

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
 Data File : BF132231.D
 Acq On : 31 Jan 2023 02:12
 Operator : CG\JU
 Sample : 01270-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-1-012323

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132231.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.319	417	422	431	rVB	1122092	1183041	12.34%	1.228%
2	5.701	482	487	490	rBV	2727910	2439431	25.45%	2.532%
3	6.690	651	655	658	rBV	2495730	2366711	24.69%	2.457%
4	6.907	689	692	696	rBV	224995	180331	1.88%	0.187%
5	7.084	718	722	725	rVB	1181821	899301	9.38%	0.933%
6	7.642	813	817	819	rVV	1971970	1612087	16.82%	1.673%
7	7.666	819	821	824	rVV	269808	200523	2.09%	0.208%
8	8.336	932	935	937	rBV	336757	285146	2.98%	0.296%
9	8.366	937	940	943	rVV	1148782	1060962	11.07%	1.101%
10	8.413	946	948	951	rVB	177124	139233	1.45%	0.145%
11	8.654	985	989	993	rVB3	133365	169868	1.77%	0.176%
12	8.872	1023	1026	1028	rBV	178175	134825	1.41%	0.140%
13	8.948	1035	1039	1043	rBV	371294	329173	3.43%	0.342%
14	9.189	1077	1080	1082	rBV2	160263	146888	1.53%	0.152%
15	9.442	1120	1123	1126	rBV	3355220	2662304	27.78%	2.763%
16	9.513	1132	1135	1139	rBV	480452	366308	3.82%	0.380%
17	9.707	1165	1168	1174	rVB2	112456	170204	1.78%	0.177%
18	9.789	1174	1182	1184	rBV2	217538	316188	3.30%	0.328%
19	9.836	1188	1190	1195	rVV2	135902	142179	1.48%	0.148%
20	9.901	1198	1201	1203	rBV2	127052	139677	1.46%	0.145%
21	10.048	1220	1226	1230	rBV	438886	362793	3.79%	0.377%
22	10.136	1238	1241	1243	rVB	1141580	1005405	10.49%	1.044%
23	10.166	1243	1246	1249	rVB	698016	519351	5.42%	0.539%
24	10.289	1262	1267	1269	rBV3	105520	158466	1.65%	0.164%
25	10.336	1272	1275	1278	rVB2	341861	323057	3.37%	0.335%
26	10.372	1278	1281	1285	rBV2	218635	210879	2.20%	0.219%
27	10.448	1291	1294	1297	rBV	160354	171505	1.79%	0.178%
28	10.548	1305	1311	1315	rBV2	461654	493488	5.15%	0.512%
29	10.683	1327	1334	1337	rBV2	546309	576737	6.02%	0.599%
30	10.772	1347	1349	1351	rVB	265635	197447	2.06%	0.205%
31	10.842	1359	1361	1365	rVB	400978	356314	3.72%	0.370%
32	10.925	1372	1375	1379	rBV	1949264	1619655	16.90%	1.681%
33	11.025	1389	1392	1402	rVB3	427152	651864	6.80%	0.677%
34	11.236	1422	1428	1430	rBV4	257902	369282	3.85%	0.383%
35	11.266	1430	1433	1435	rVV3	166623	177169	1.85%	0.184%
36	11.319	1439	1442	1445	rVB2	138899	151484	1.58%	0.157%

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Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.360	1445	1449	1451	rBV3	223697	306660	3.20%	0.318%
38	11.383	1451	1453	1458	rVV3	216064	269629	2.81%	0.280%
39	11.436	1458	1462	1465	rVV	331484	320671	3.35%	0.333%
40	11.477	1465	1469	1472	rVV	567068	547529	5.71%	0.568%

41	11.530	1476	1478	1482	rVB	462324	367388	3.83%	0.381%
42	11.636	1492	1496	1498	rBV	1311514	1376870	14.37%	1.429%
43	11.666	1498	1501	1504	rVV	5989586	5374665	56.08%	5.579%
44	11.713	1504	1509	1512	rVV	2115818	1754001	18.30%	1.821%
45	11.860	1531	1534	1536	rBV	275620	247263	2.58%	0.257%

46	11.907	1539	1542	1544	rVV2	372593	306306	3.20%	0.318%
47	11.930	1544	1546	1549	rVV	247876	211259	2.20%	0.219%
48	11.966	1549	1552	1557	rVV2	227293	247142	2.58%	0.257%
49	12.142	1578	1582	1584	rBV2	1404769	1355524	14.14%	1.407%
50	12.166	1584	1586	1590	rVB	1424475	1217995	12.71%	1.264%

51	12.213	1591	1594	1597	rBV	639610	593233	6.19%	0.616%
52	12.254	1597	1601	1603	rBV2	1534406	1693688	17.67%	1.758%
53	12.277	1603	1605	1608	rVB	734604	611766	6.38%	0.635%
54	12.319	1609	1612	1614	rBV2	377044	302537	3.16%	0.314%
55	12.436	1628	1632	1634	rBV	924647	773440	8.07%	0.803%

56	12.460	1634	1636	1639	rVB2	497005	394152	4.11%	0.409%
57	12.513	1642	1645	1648	rVB	131428	129322	1.35%	0.134%
58	12.583	1652	1657	1660	rBV2	394105	437335	4.56%	0.454%
59	12.613	1660	1662	1664	rVB	200305	153006	1.60%	0.159%
60	12.642	1664	1667	1669	rVB	239382	211637	2.21%	0.220%

61	12.689	1672	1675	1678	rBV	599952	779166	8.13%	0.809%
62	12.783	1688	1691	1696	rBV	606136	715093	7.46%	0.742%
63	12.871	1700	1706	1709	rVV	7946129	9251862	96.54%	9.603%
64	12.901	1709	1711	1713	rVV	199090	164592	1.72%	0.171%
65	12.924	1713	1715	1718	rVB2	259506	257743	2.69%	0.268%

66	13.013	1728	1730	1733	rVB	328203	289841	3.02%	0.301%
67	13.107	1738	1746	1749	rBV2	6862006	9583923	100.00%	9.948%
68	13.136	1749	1751	1756	rVB2	473118	509273	5.31%	0.529%
69	13.224	1760	1766	1769	rBV2	2908093	3227781	33.68%	3.350%
70	13.248	1769	1770	1774	rVB	441681	326253	3.40%	0.339%

71	13.313	1775	1781	1784	rBV3	667327	1174427	12.25%	1.219%
72	13.395	1792	1795	1797	rBV2	461699	594965	6.21%	0.618%
73	13.419	1797	1799	1802	rVV	1037078	949806	9.91%	0.986%
74	13.442	1802	1803	1806	rVB2	158296	127052	1.33%	0.132%
75	13.489	1808	1811	1813	rVB	585371	496143	5.18%	0.515%

76	13.524	1813	1817	1820	rBV2	848202	1031252	10.76%	1.070%
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77	13.554	1820	1822	1824	rVB	248708	179289	1.87%	0.186%
78	13.583	1824	1827	1830	rVB2	163406	161190	1.68%	0.167%
79	13.619	1831	1833	1836	rBV	446921	409351	4.27%	0.425%
80	13.654	1836	1839	1841	rBV	509776	459075	4.79%	0.477%
81	13.789	1860	1862	1865	rBV3	188548	209429	2.19%	0.217%
82	13.930	1883	1886	1890	rVB	642215	620783	6.48%	0.644%
83	14.048	1902	1906	1908	rBV2	557272	685758	7.16%	0.712%
84	14.077	1908	1911	1913	rVV	667462	639037	6.67%	0.663%
85	14.101	1913	1915	1919	rVV2	628087	892729	9.31%	0.927%
86	14.142	1919	1922	1930	rVB2	688141	845363	8.82%	0.877%
87	14.295	1944	1948	1951	rBV2	3722736	4354599	45.44%	4.520%
88	14.330	1951	1954	1961	rVB	3358816	3180305	33.18%	3.301%
89	14.407	1965	1967	1970	rBV	584287	570404	5.95%	0.592%
90	14.518	1983	1986	1990	rBV2	331542	486237	5.07%	0.505%
91	14.689	2013	2015	2018	rVB	576410	495070	5.17%	0.514%
92	14.724	2019	2021	2024	rVB	263980	233220	2.43%	0.242%
93	14.824	2036	2038	2040	rBV	248593	212979	2.22%	0.221%
94	15.424	2135	2140	2143	rBV	1854617	3280987	34.23%	3.406%
95	15.536	2157	2159	2163	rVB	375576	386305	4.03%	0.401%
96	15.760	2194	2197	2204	rVB	1123188	1615517	16.86%	1.677%
97	15.836	2205	2210	2216	rVV	1789798	2510075	26.19%	2.605%
98	15.901	2218	2221	2224	rVV	582413	834084	8.70%	0.866%
99	15.936	2224	2227	2234	rVB	533829	761309	7.94%	0.790%
100	17.571	2500	2505	2514	rVB2	653554	1346711	14.05%	1.398%

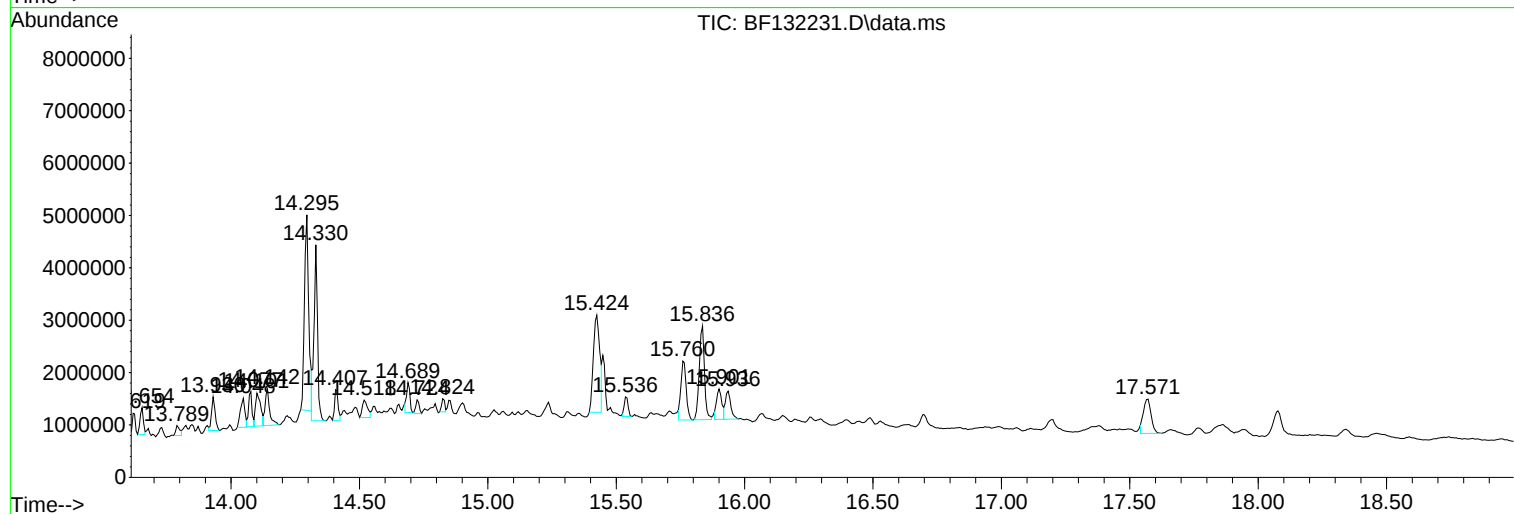
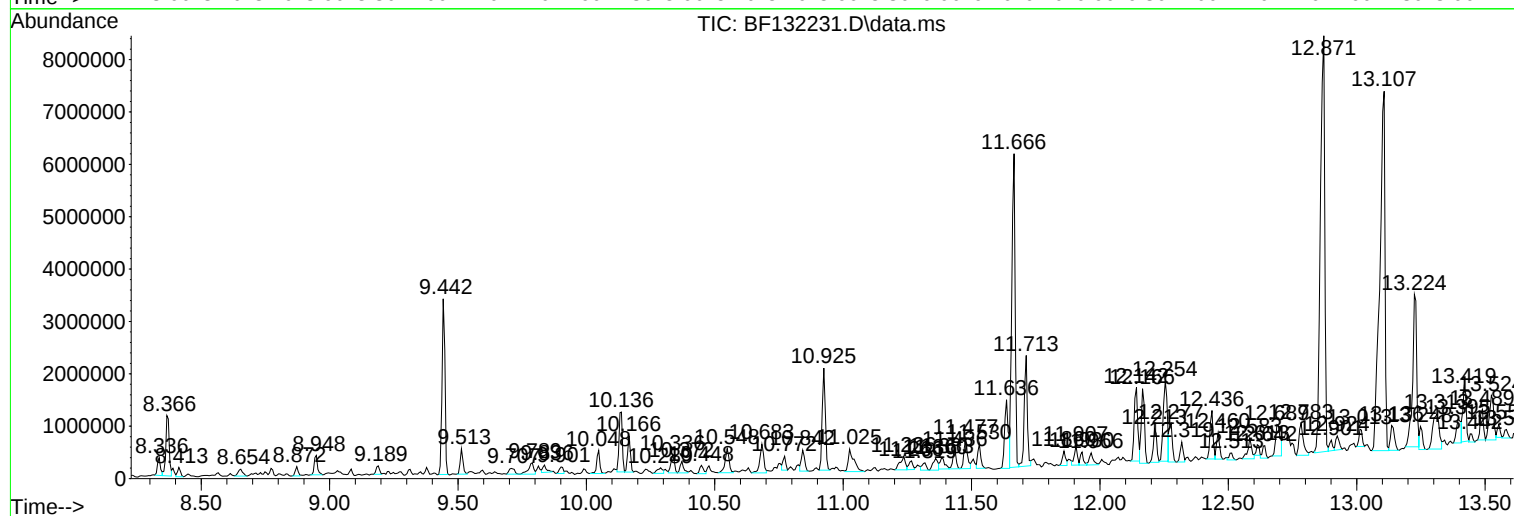
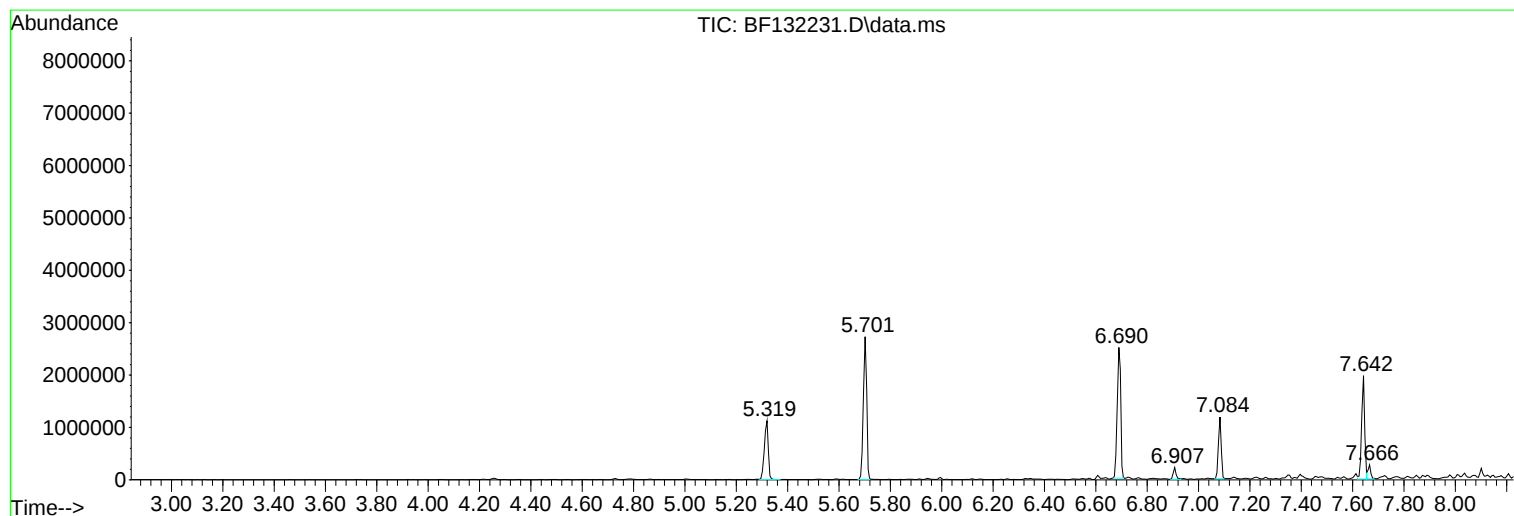
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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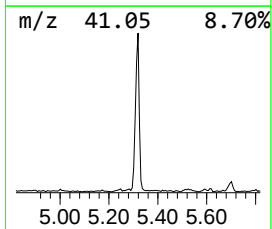
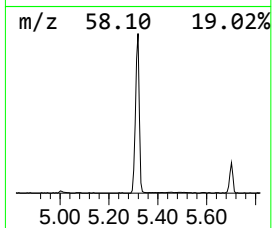
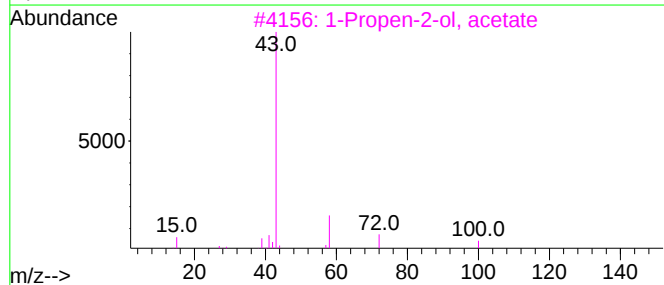
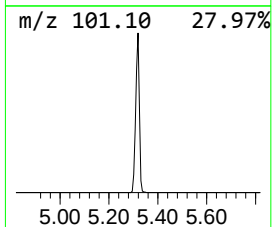
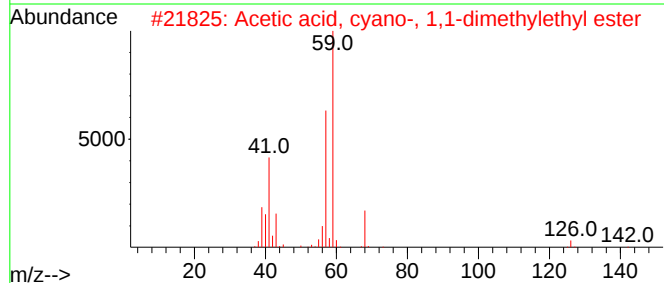
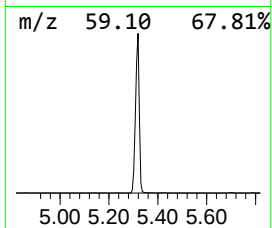
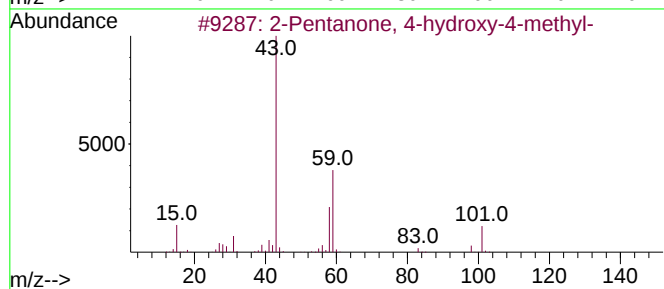
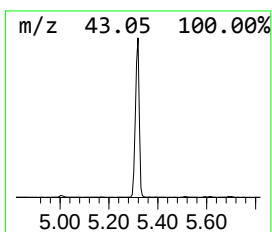
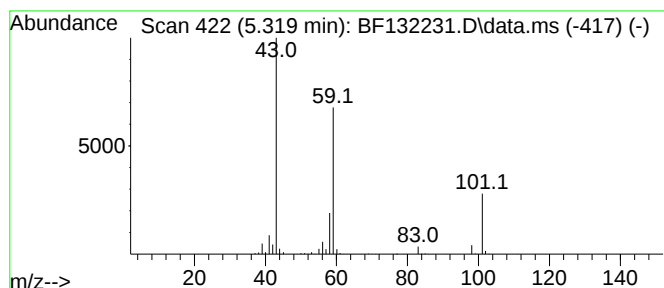
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.319	26.31 ng	1183040	1,4-Dichlorobenzene-d4	7.084

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
4	(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9		
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9		



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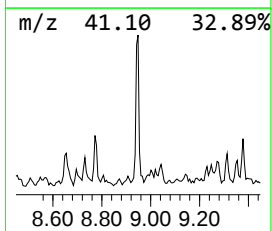
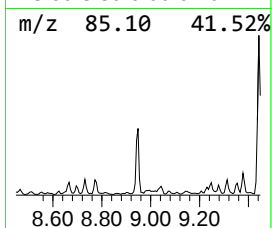
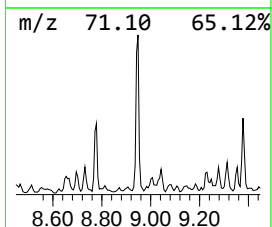
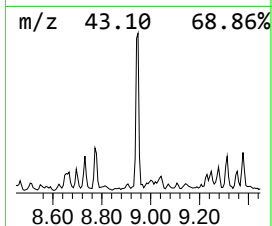
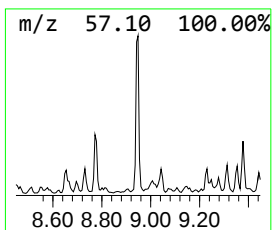
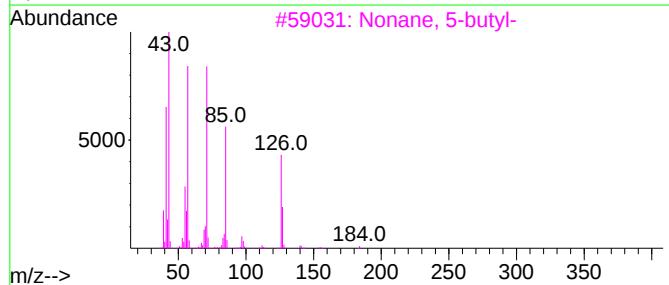
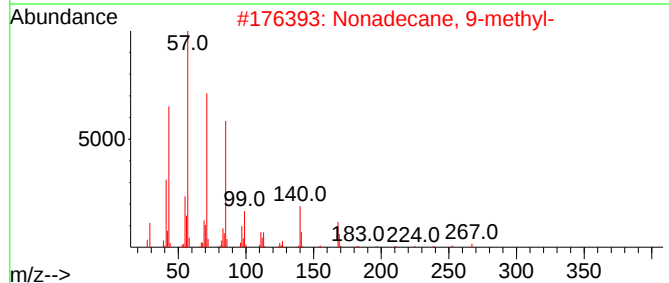
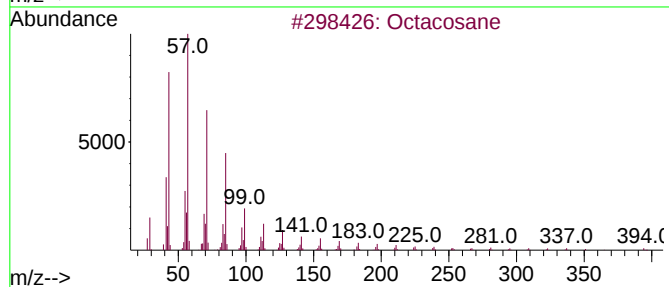
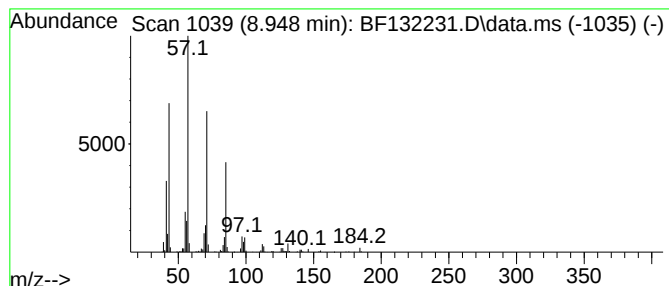
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Octacosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.948	6.21 ng	329173	Naphthalene-d8	8.366

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octacosane	394	C28H58	000630-02-4	78
2		Nonadecane, 9-methyl-	282	C20H42	013287-24-6	78
3		Nonane, 5-butyl-	184	C13H28	017312-63-9	72
4		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	64
5		Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	64



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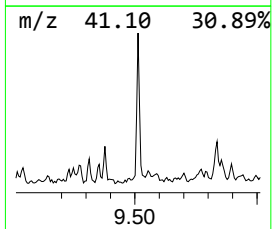
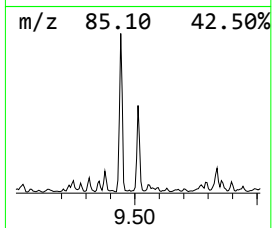
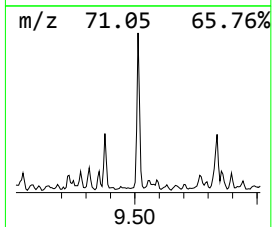
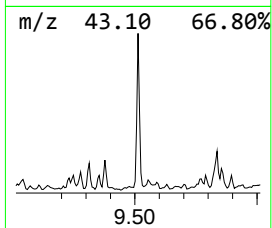
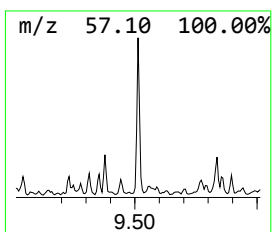
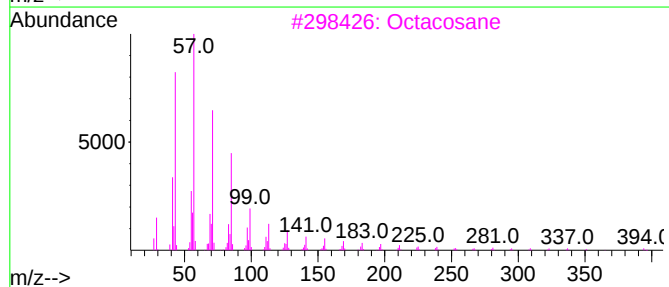
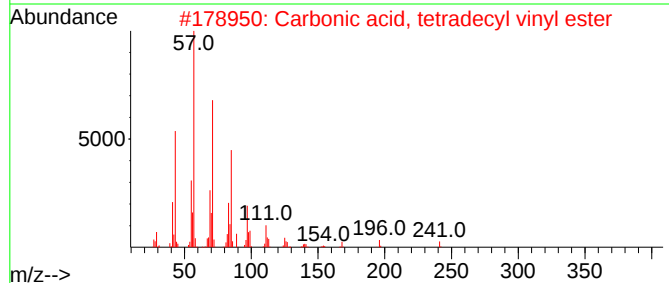
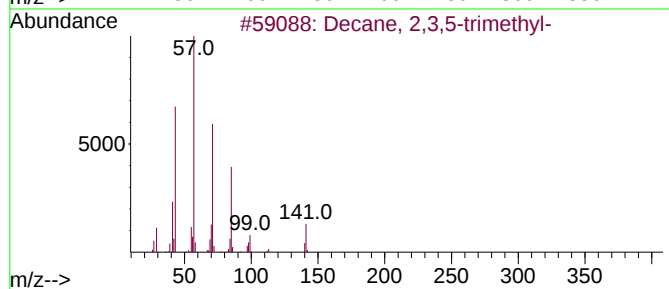
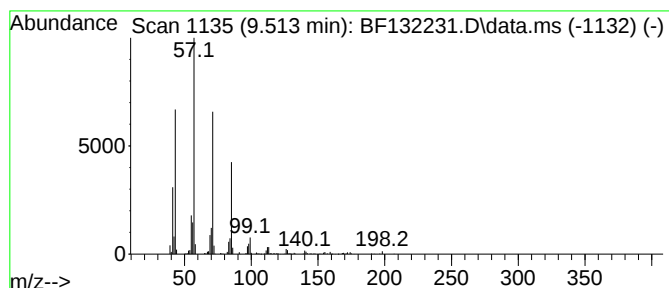
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ClientSampleId :
JC-1-012323

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Decane, 2,3,5-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.513	7.29 ng	366308	Acenaphthene-d10	10.136	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
2	Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	90
3	Octacosane	394	C28H58	000630-02-4	78
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	72
5	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132231.D
Acq On : 31 Jan 2023 02:12
Operator : CG\JU
Sample : 01270-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-1-012323

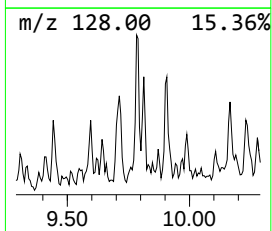
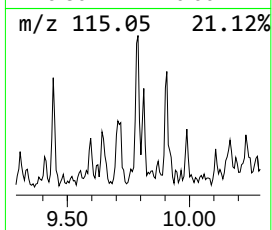
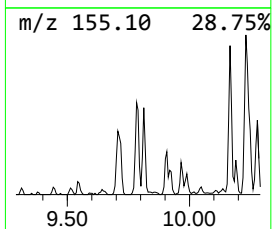
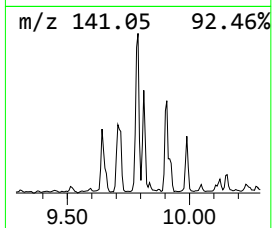
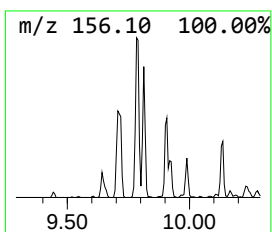
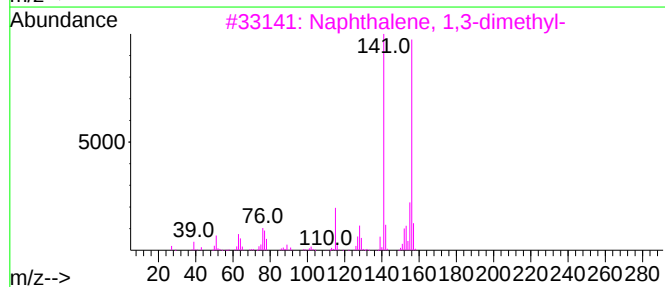
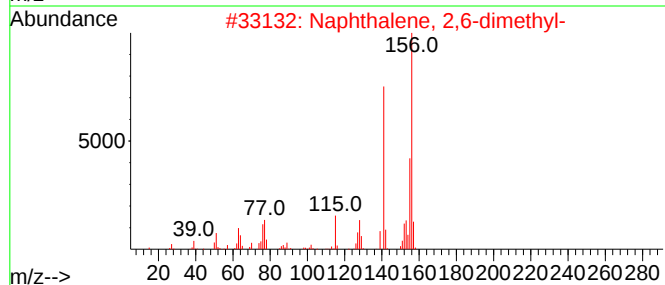
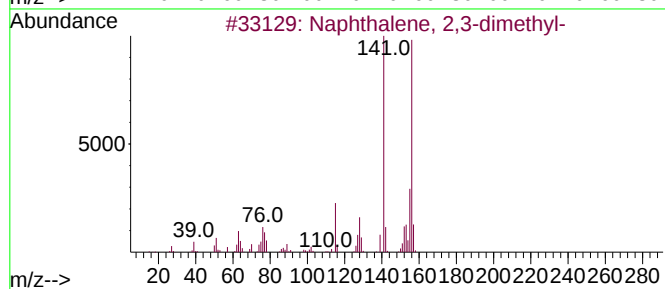
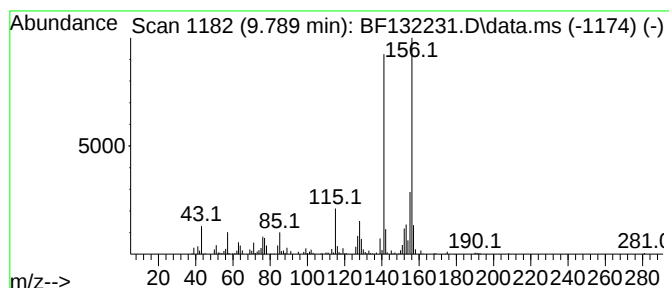
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.789	6.29 ng	316188	Acenaphthene-d10	10.136

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132231.D
Acq On : 31 Jan 2023 02:12
Operator : CG\JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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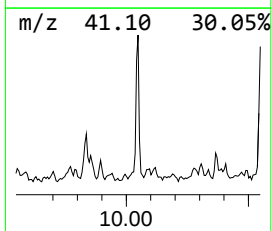
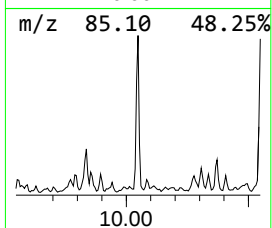
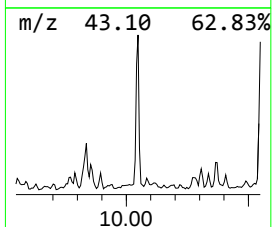
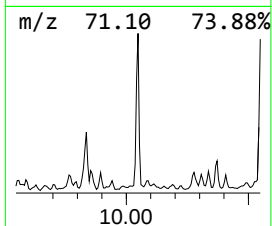
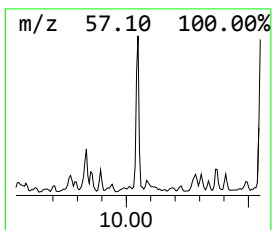
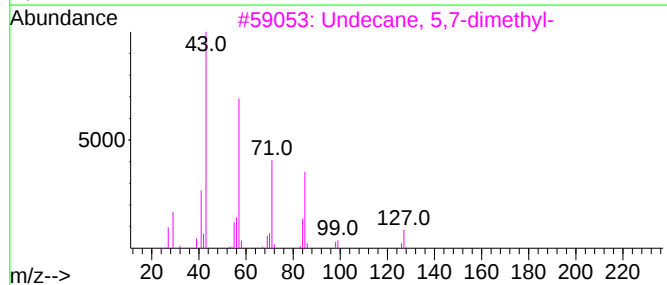
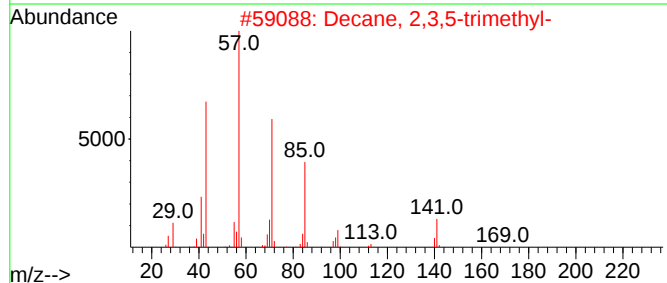
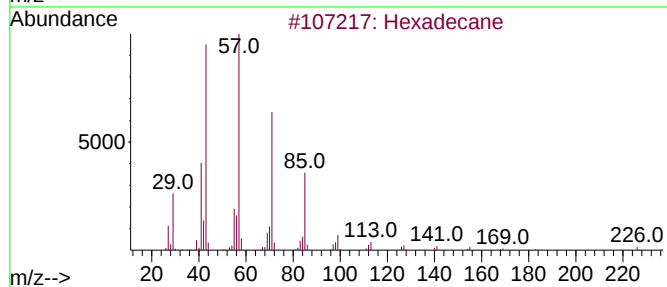
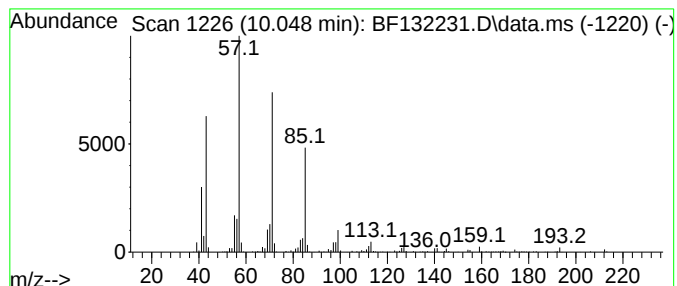
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.048	7.22 ng	362793	Acenaphthene-d10	10.136

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	83
2			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
3			Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	80
4			1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	72
5			Heneicosane	296	C21H44	000629-94-7	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132231.D
Acq On : 31 Jan 2023 02:12
Operator : CG\JU
Sample : 01270-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JC-1-012323

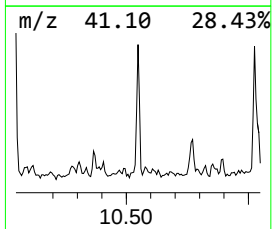
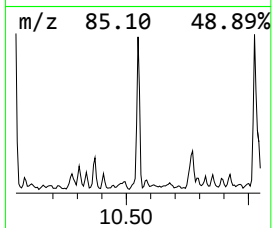
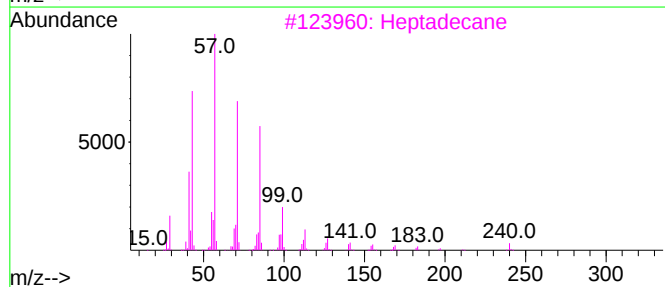
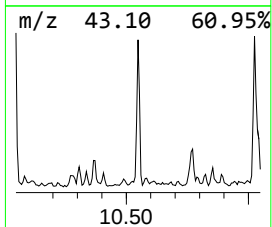
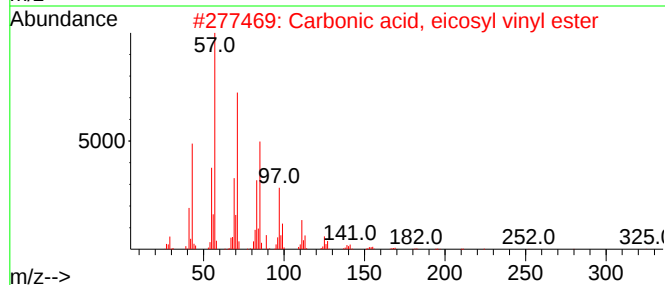
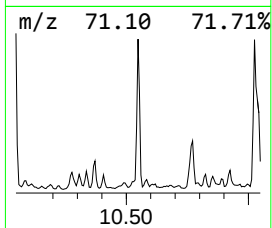
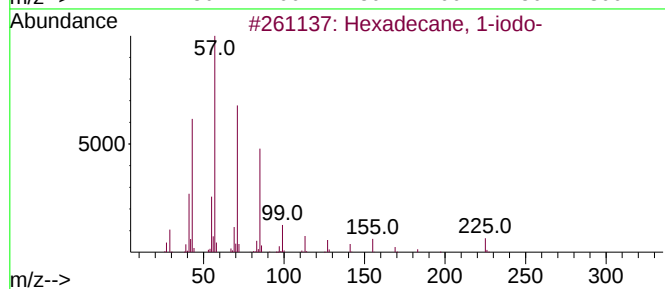
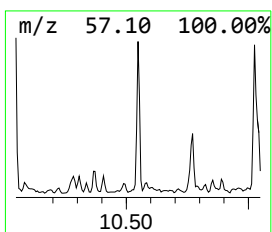
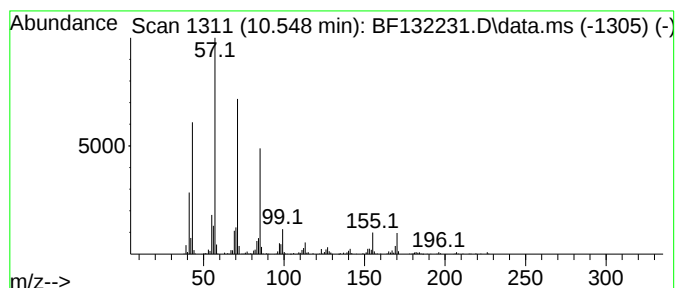
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Hexadecane, 1-iodo- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.548	9.82 ng	493488	Acenaphthene-d10	10.136

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	80
2		Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	74
3		Heptadecane	240	C17H36	000629-78-7	74
4		Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	72
5		Dodecane	170	C12H26	000112-40-3	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
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Sample : 01270-01
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ALS Vial : 21 Sample Multiplier: 1

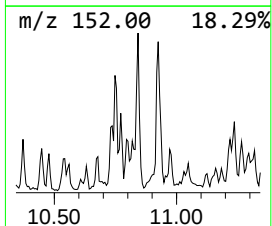
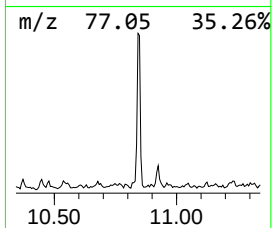
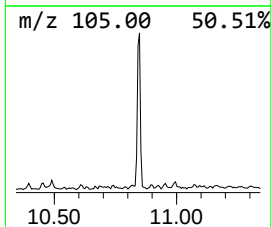
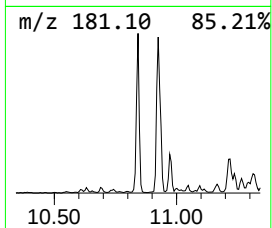
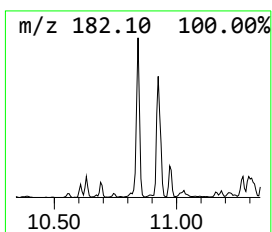
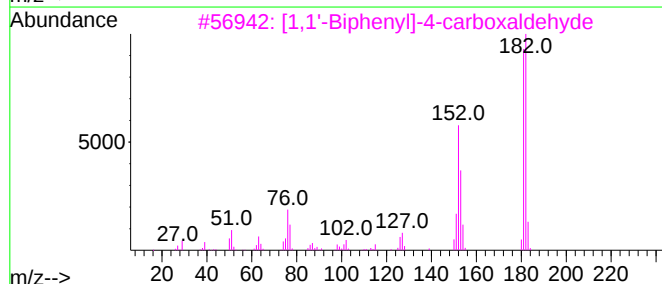
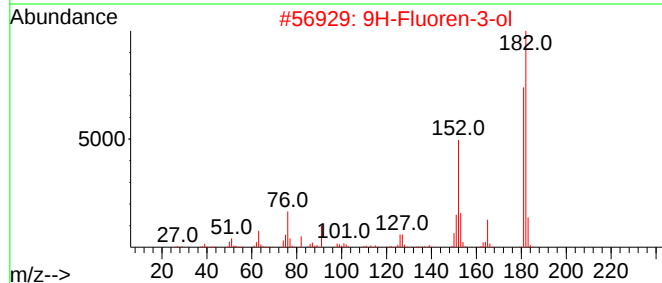
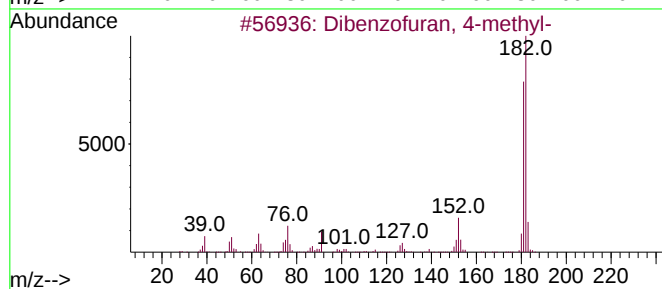
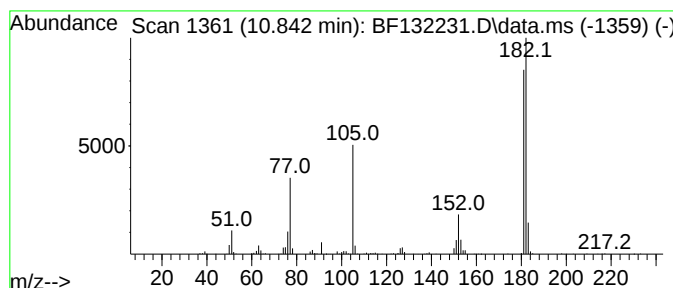
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.842	7.09 ng	356314	Acenaphthene-d10	10.136	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	83
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	72
5	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132231.D
Acq On : 31 Jan 2023 02:12
Operator : CG\JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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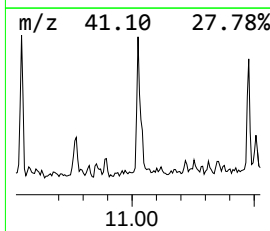
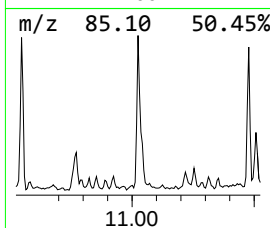
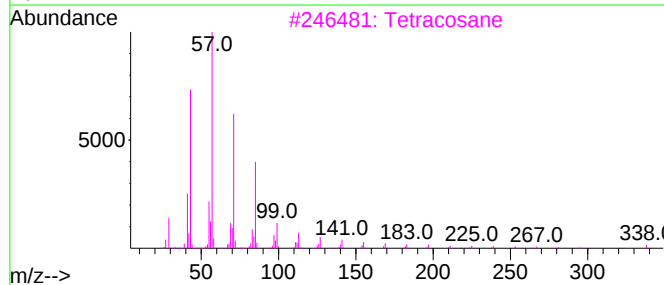
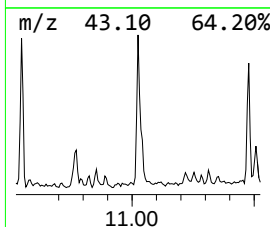
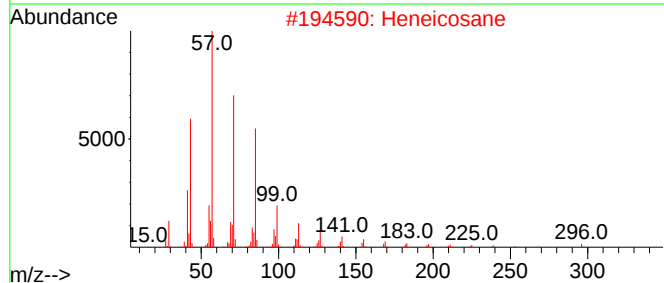
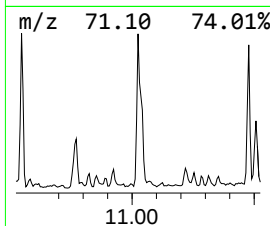
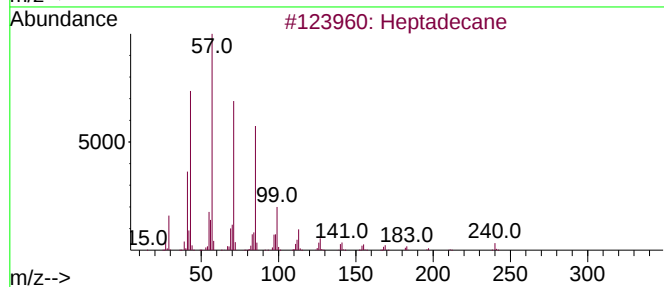
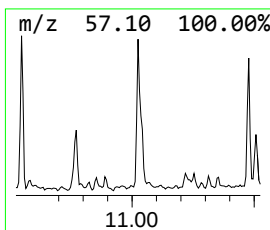
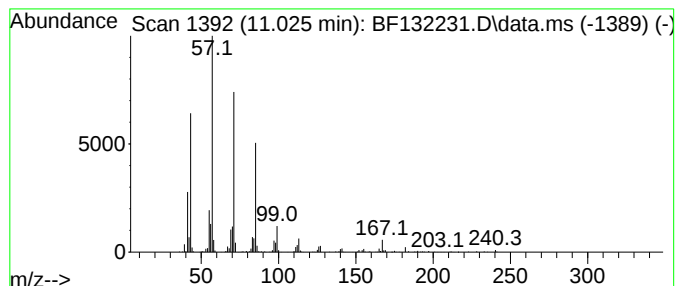
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Heptadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.025	9.47 ng	651864	Phenanthrene-d10	11.636

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane	240	C17H36	000629-78-7	97
2			Heneicosane	296	C21H44	000629-94-7	90
3			Tetracosane	338	C24H50	000646-31-1	90
4			Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
5			9-methylheptadecane	254	C18H38	026741-18-4	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
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Acq On : 31 Jan 2023 02:12
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ClientSampleId :
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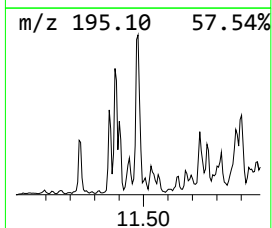
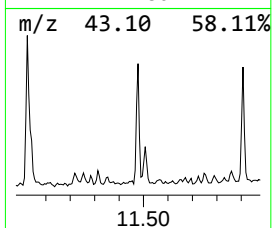
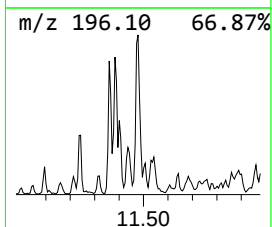
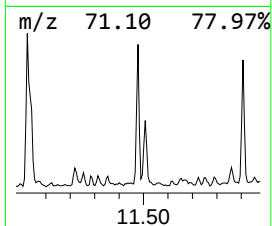
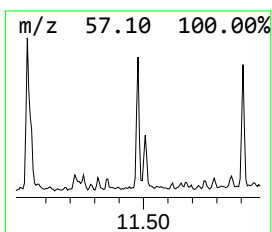
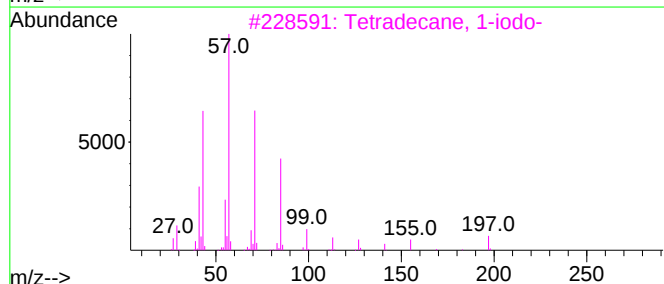
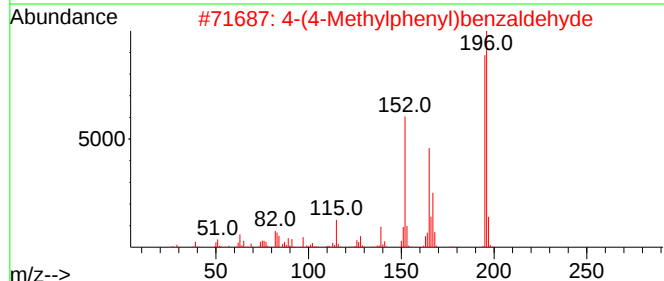
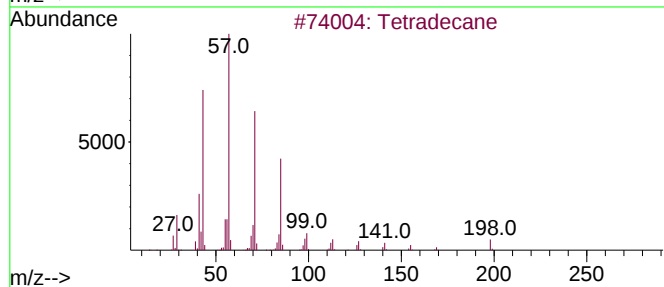
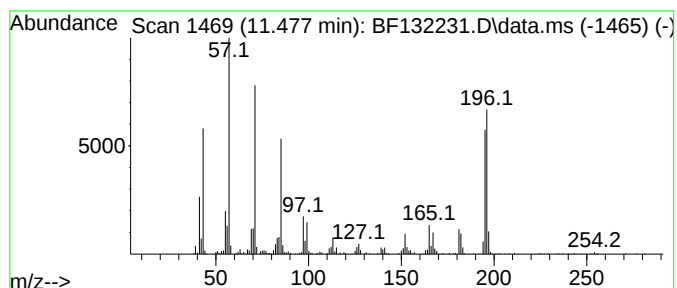
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Tetradecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.477	7.95 ng	547529	Phenanthrene-d10	11.636

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	89
2			4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	55
3			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	45
4			2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	42
5			3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132231.D
Acq On : 31 Jan 2023 02:12
Operator : CG\JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId :
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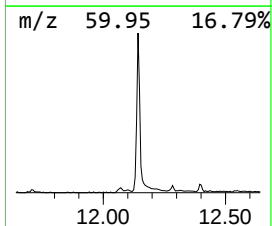
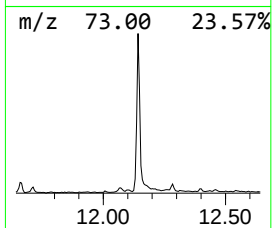
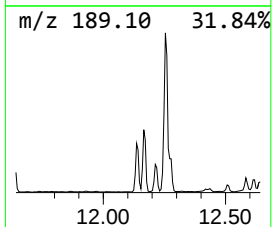
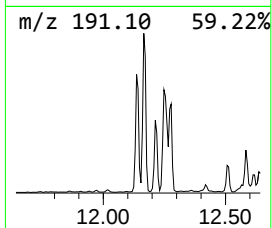
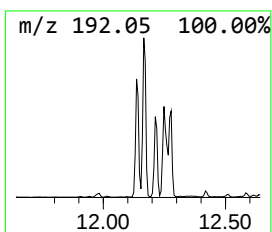
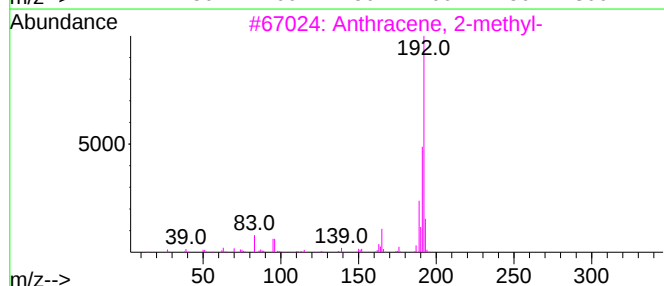
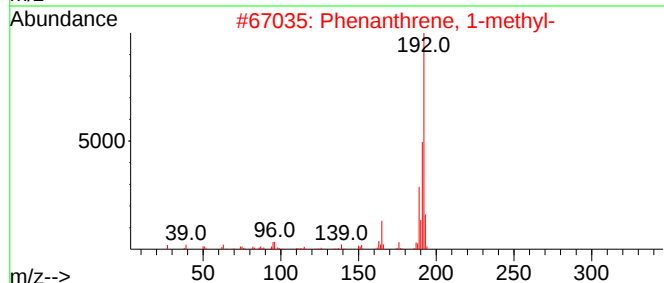
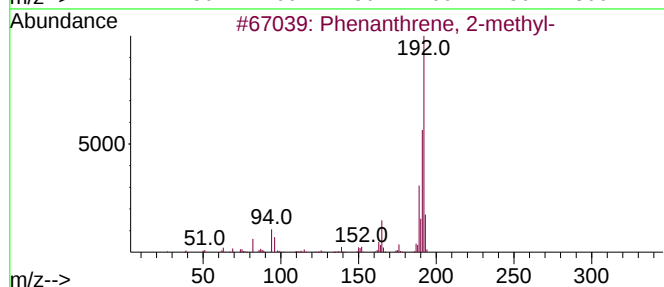
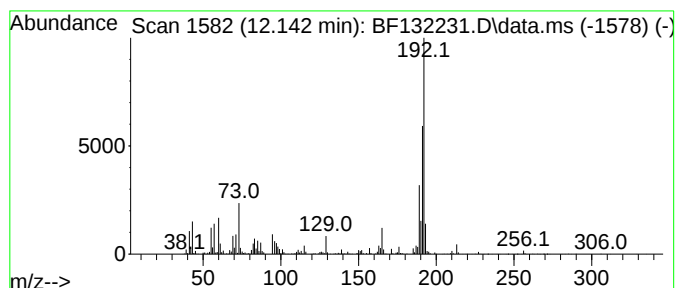
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.142	19.69 ng	1355520	Phenanthrene-d10	11.636

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132231.D
Acq On : 31 Jan 2023 02:12
Operator : CG\JU
Sample : 01270-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-1-012323

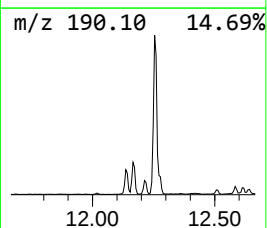
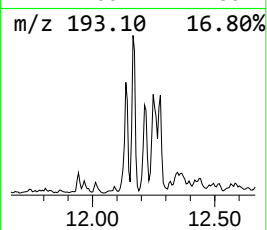
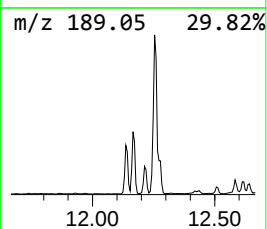
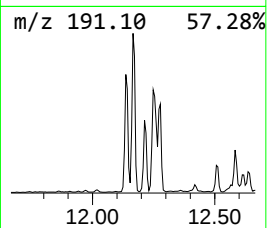
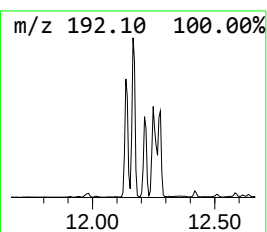
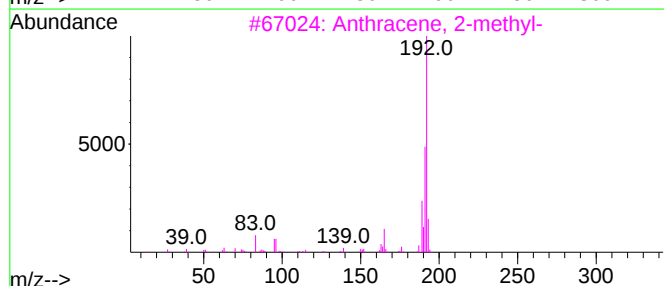
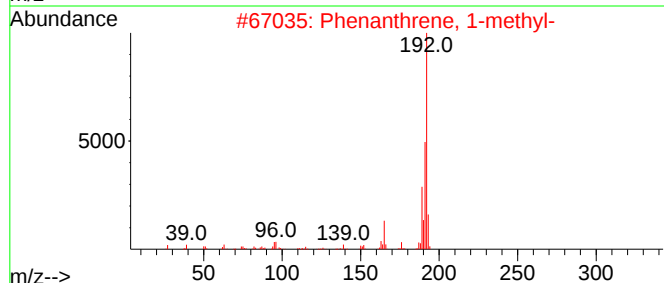
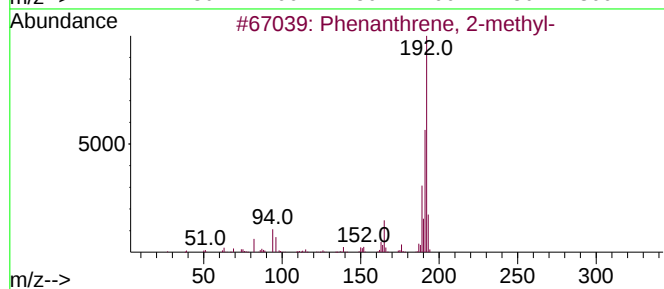
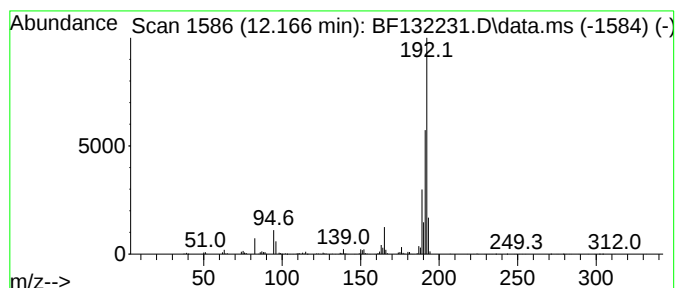
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.166	17.69 ng	1218000	Phenanthrene-d10	11.636

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132231.D
Acq On : 31 Jan 2023 02:12
Operator : CG\JU
Sample : 01270-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
JC-1-012323

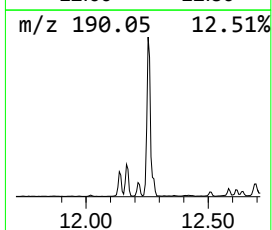
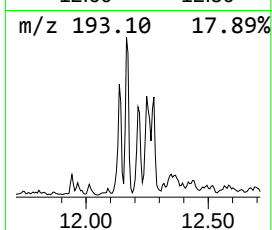
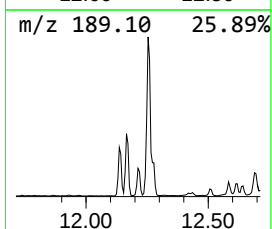
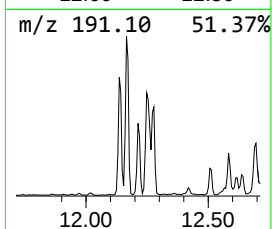
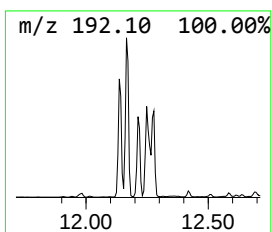
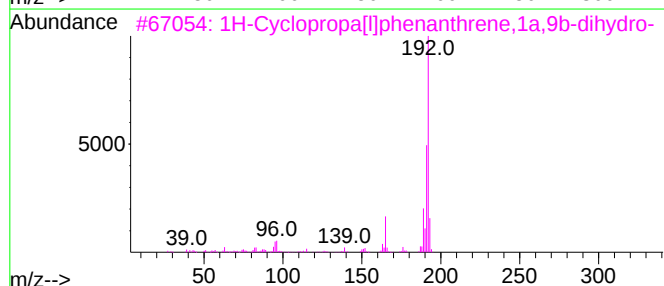
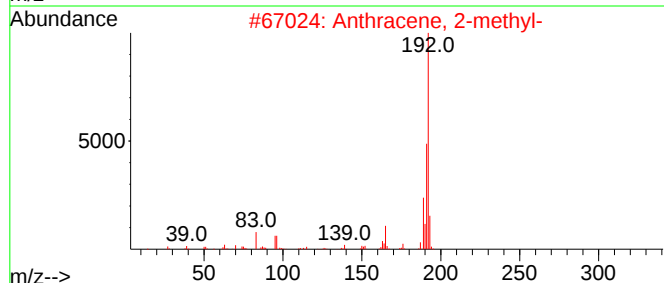
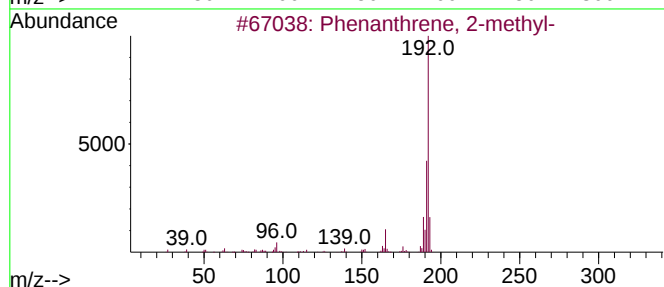
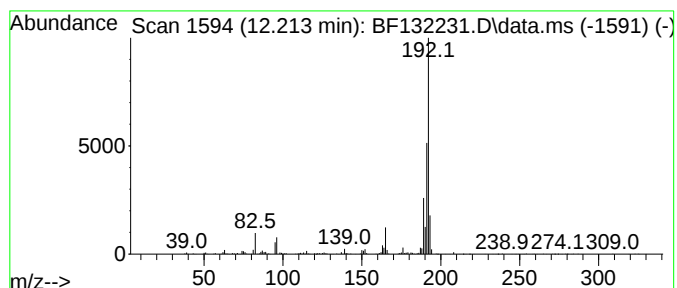
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.213	8.62 ng	593233	Phenanthrene-d10	11.636

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132231.D
Acq On : 31 Jan 2023 02:12
Operator : CG\JU
Sample : 01270-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

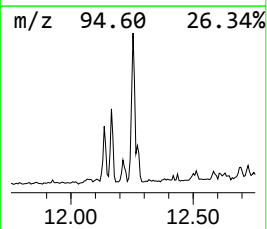
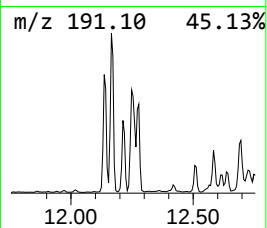
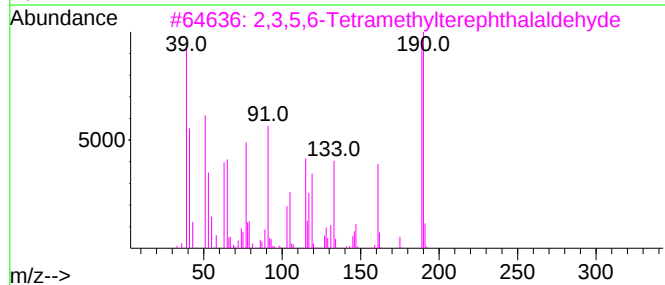
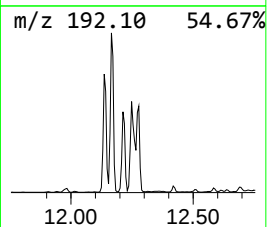
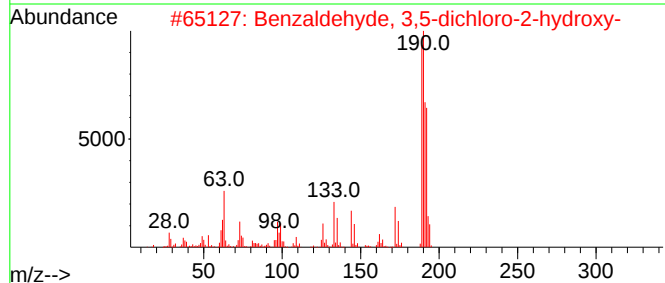
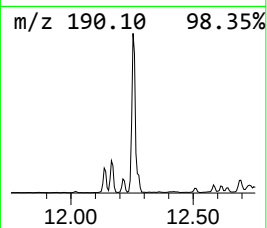
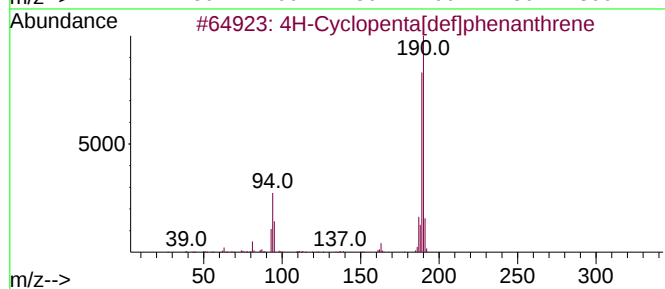
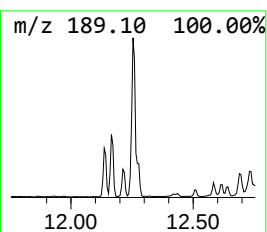
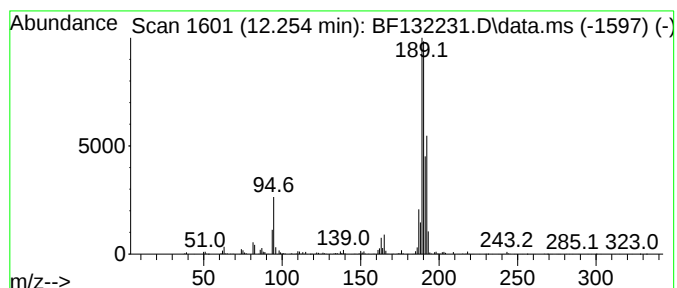
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ClientSampleId :
JC-1-012323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.254	24.60 ng	1693690	Phenanthrene-d10	11.636	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132231.D
Acq On : 31 Jan 2023 02:12
Operator : CG\JU
Sample : 01270-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

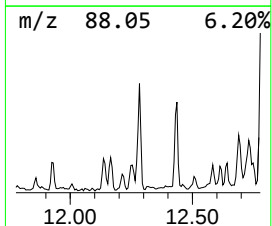
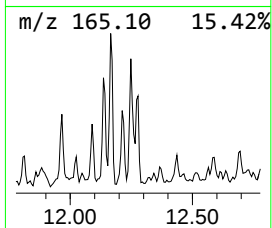
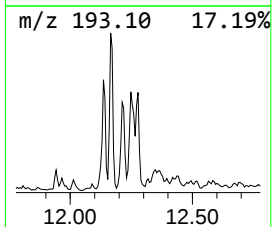
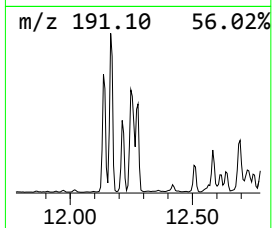
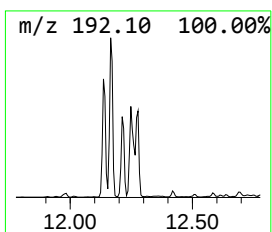
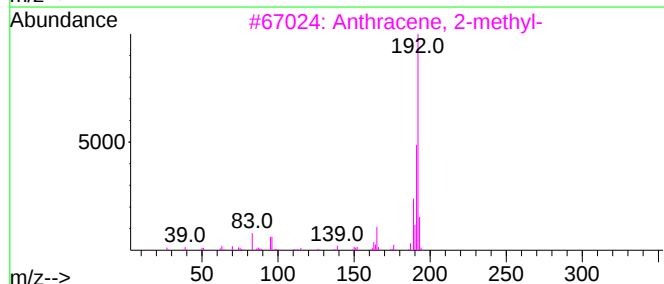
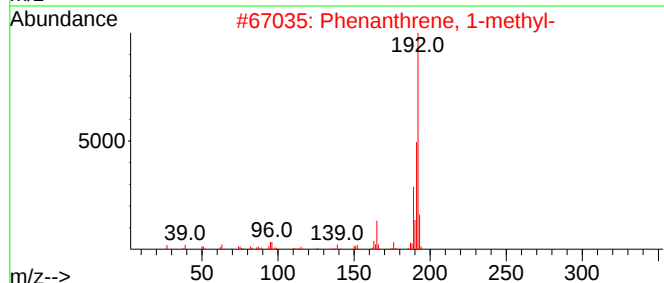
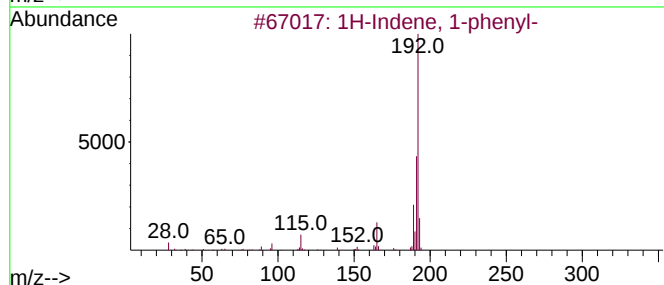
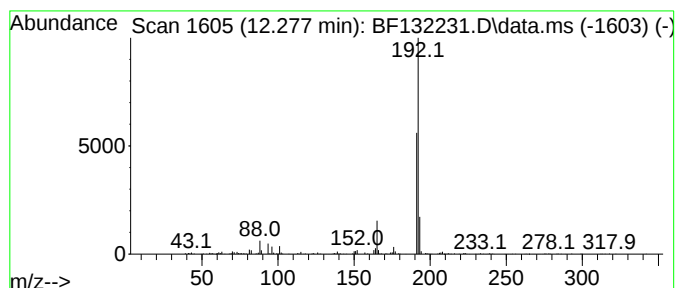
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 1H-Indene, 1-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.277	8.89 ng	611766	Phenanthrene-d10	11.636	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
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Acq On : 31 Jan 2023 02:12
Operator : CG\JU
Sample : 01270-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

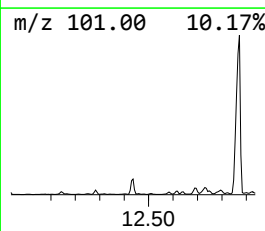
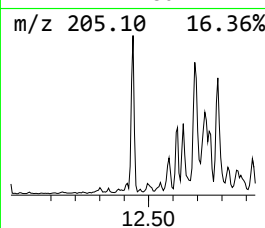
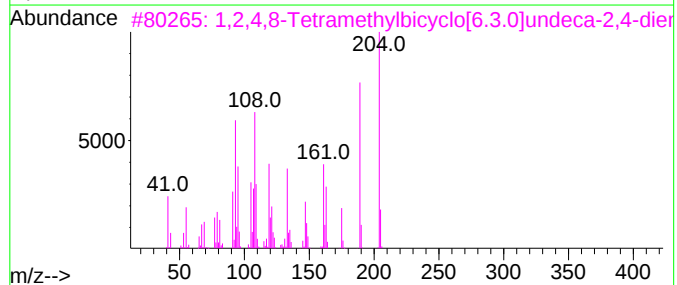
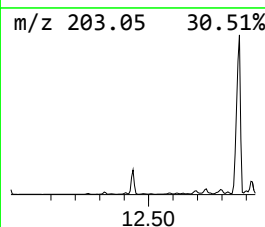
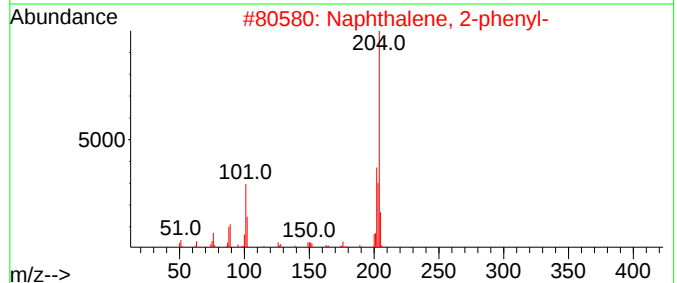
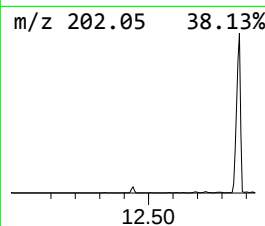
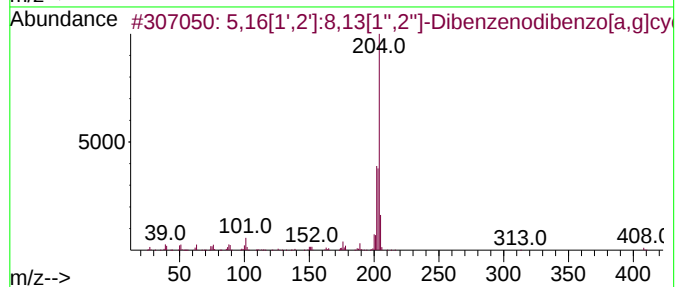
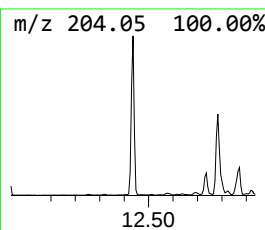
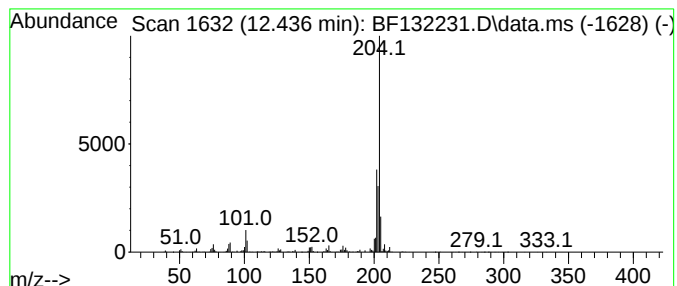
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.436	11.23 ng	773440	Phenanthrene-d10	11.636	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
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Acq On : 31 Jan 2023 02:12
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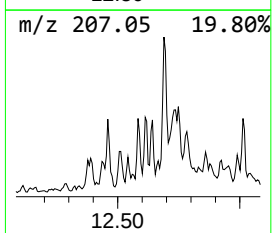
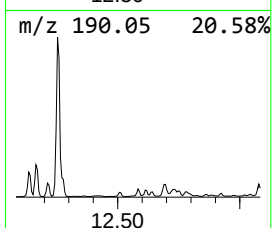
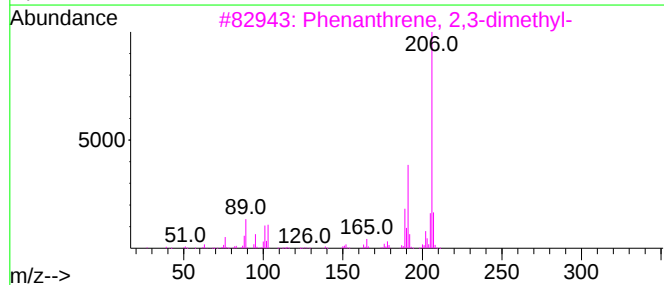
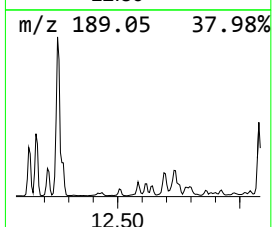
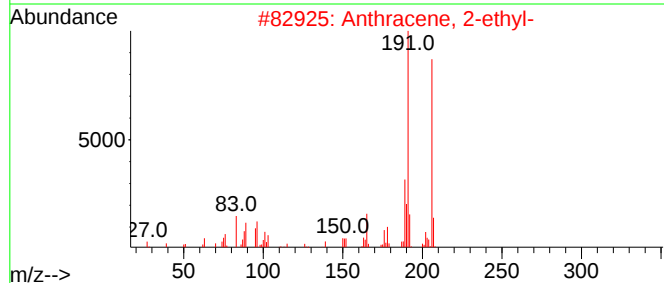
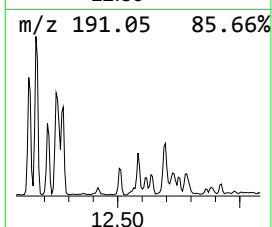
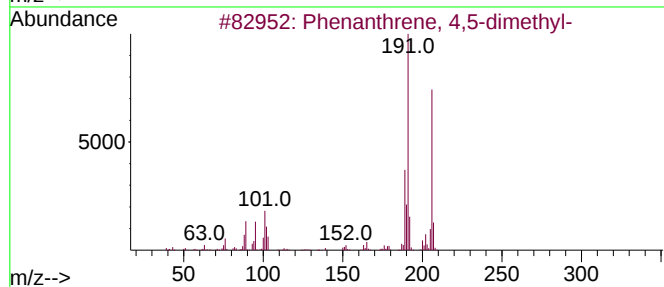
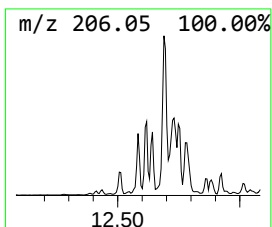
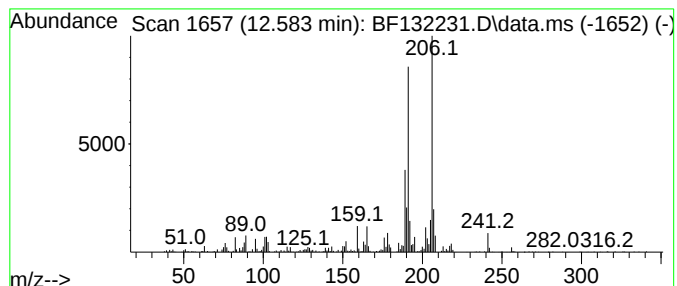
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.583	6.35 ng	437335	Phenanthrene-d10	11.636	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	81
5	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132231.D
Acq On : 31 Jan 2023 02:12
Operator : CG\JU
Sample : 01270-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-1-012323

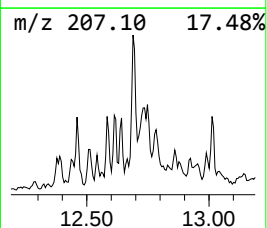
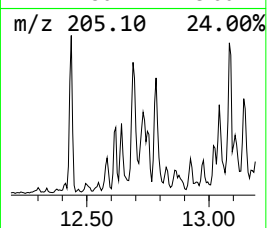
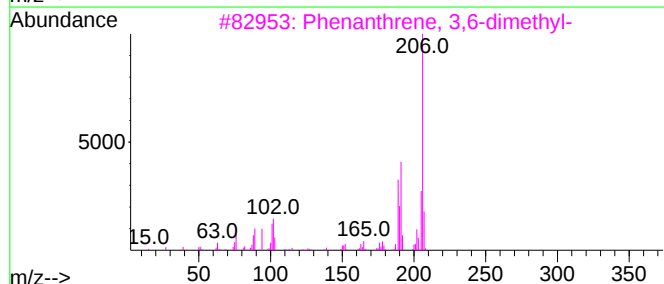
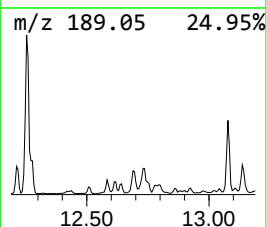
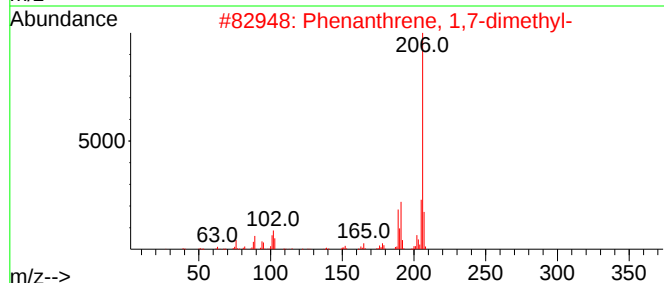
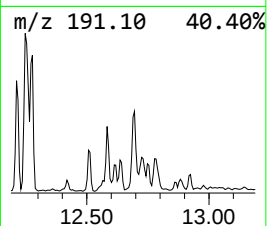
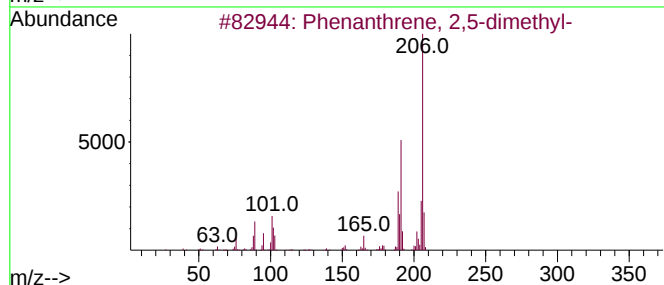
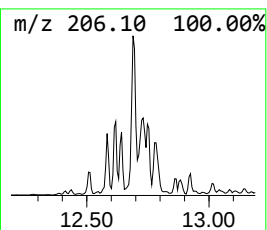
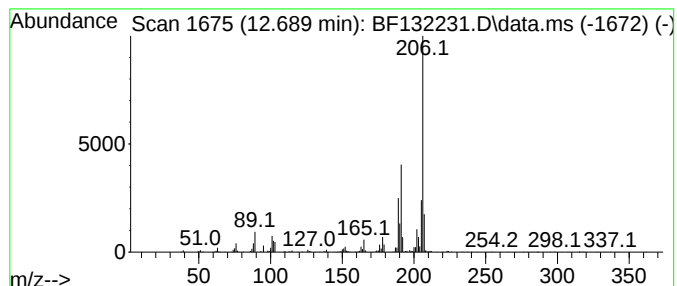
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.689	11.32 ng	779166	Phenanthrene-d10	11.636

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4			3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91
5			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132231.D
Acq On : 31 Jan 2023 02:12
Operator : CG\JU
Sample : 01270-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

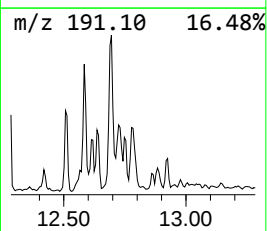
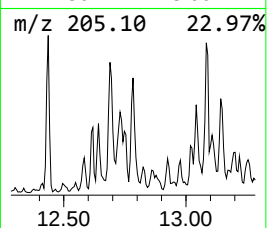
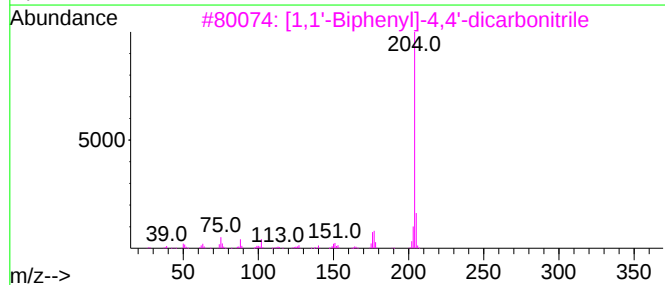
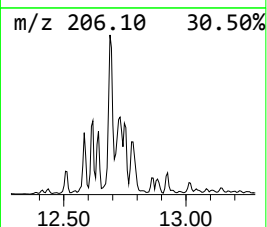
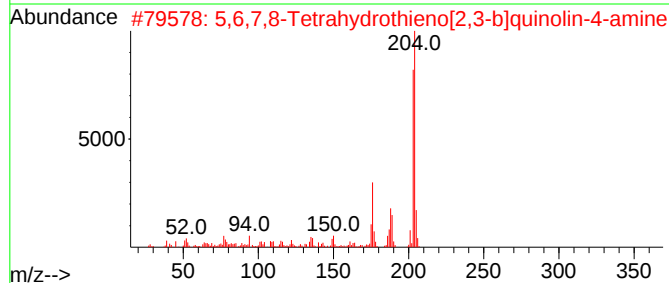
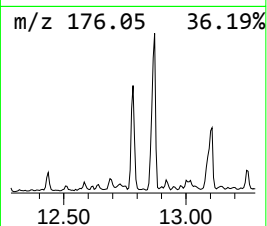
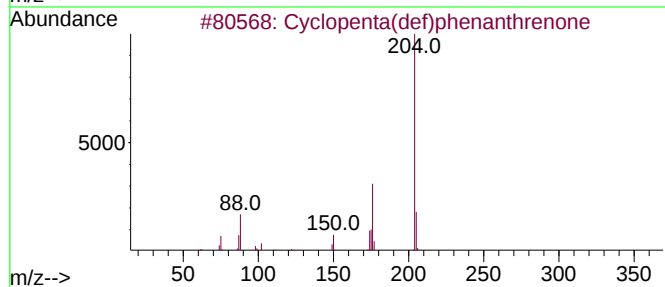
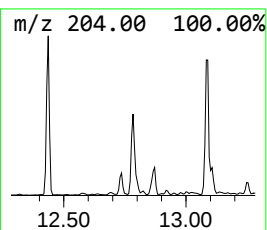
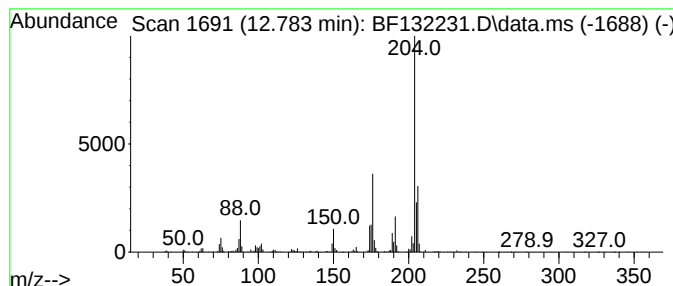
Instrument :
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ClientSampleId :
JC-1-012323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.783	10.39 ng	715093	Phenanthrene-d10		11.636	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone		204	C15H8O	005737-13-3	96
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...		204	C11H12N2S	122914-50-5	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile		204	C14H8N2	001591-30-6	58
4	3,4-Biphenyldicarbonitrile		204	C14H8N2	004128-63-6	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile		204	C14H8N2	004341-02-0	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132231.D
Acq On : 31 Jan 2023 02:12
Operator : CG\JU
Sample : 01270-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

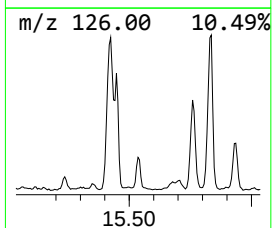
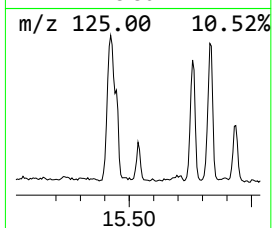
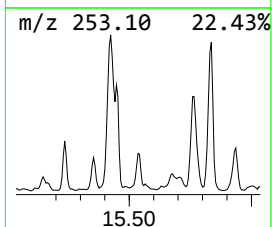
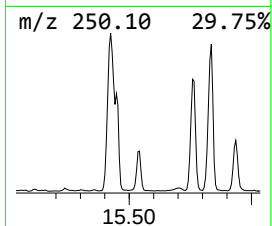
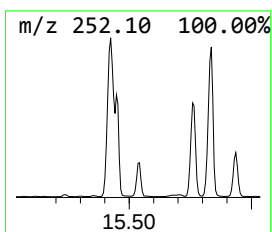
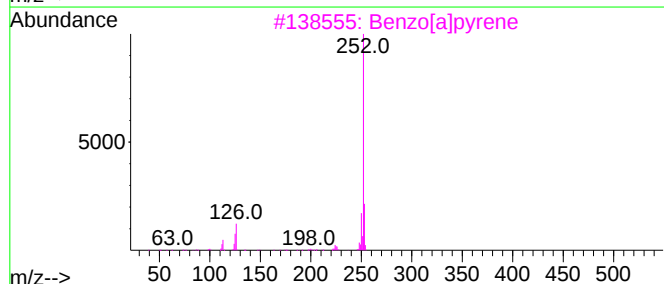
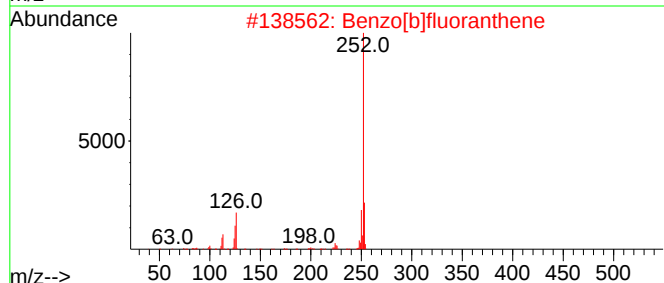
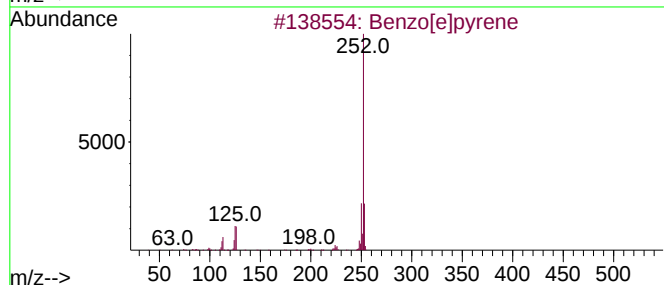
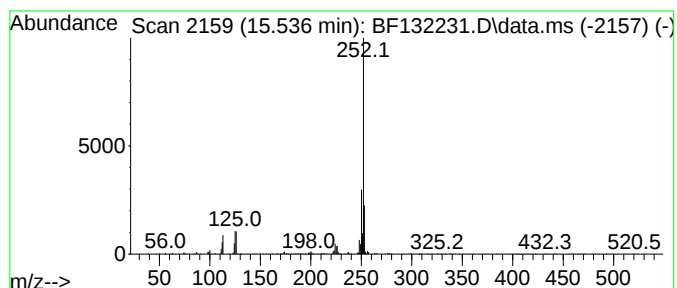
Instrument :
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ClientSampleId :
JC-1-012323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.536	9.26 ng	386305	Perylene-d12	15.901	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132231.D
Acq On : 31 Jan 2023 02:12
Operator : CG\JU
Sample : 01270-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-1-012323

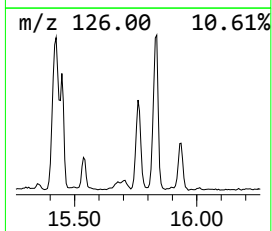
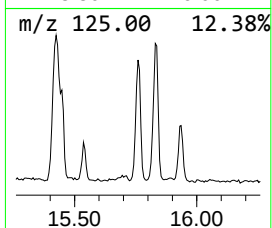
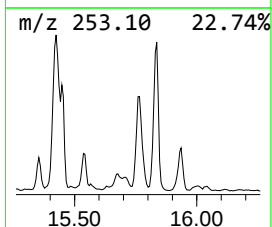
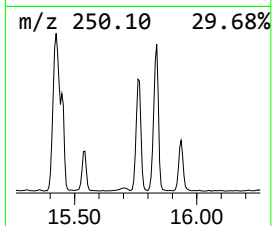
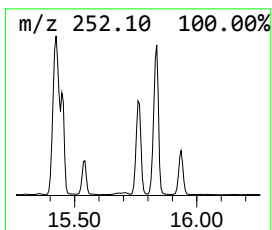
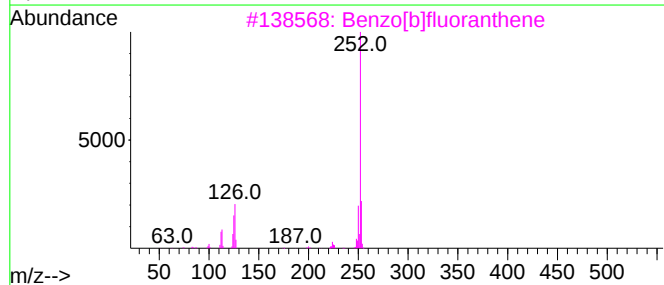
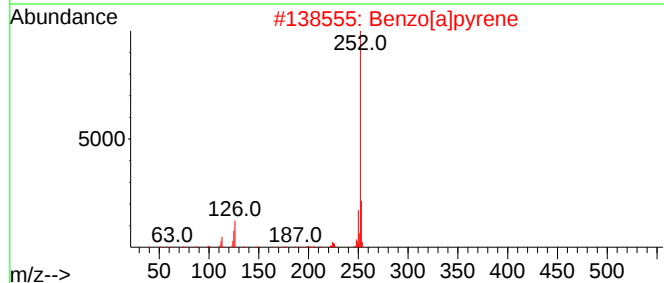
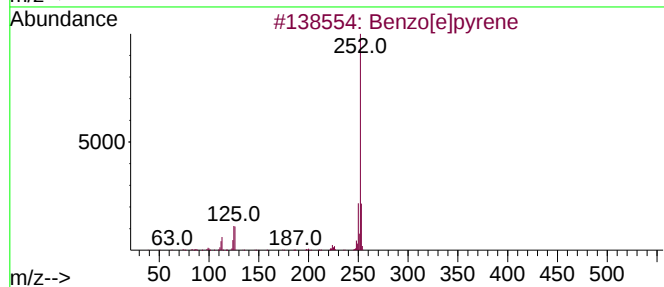
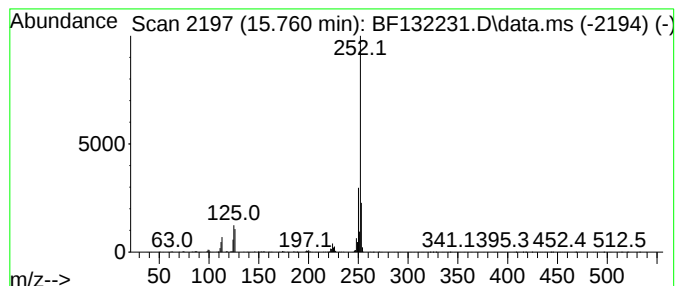
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.759	38.74 ng	1615520	Perylene-d12	15.901

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Benzo[a]pyrene	252	C20H12	000050-32-8	97
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
Data File : BF132231.D
Acq On : 31 Jan 2023 02:12
Operator : CG\JU
Sample : 01270-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-1-012323

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	5.319	26.3	ng	1183040	1	7.084	899301	20.0
Octacosane	8.948	6.2	ng	329173	2	8.366	1060960	20.0
Decane, 2,3,5-t...	9.513	7.3	ng	366308	3	10.136	1005410	20.0
Naphthalene, 2,...	9.789	6.3	ng	316188	3	10.136	1005410	20.0
Hexadecane	10.048	7.2	ng	362793	3	10.136	1005410	20.0
Hexadecane, 1-i...	10.548	9.8	ng	493488	3	10.136	1005410	20.0
Dibenzofuran, 4...	10.842	7.1	ng	356314	3	10.136	1005410	20.0
Heptadecane	11.025	9.5	ng	651864	4	11.636	1376870	20.0
Tetradecane	11.477	8.0	ng	547529	4	11.636	1376870	20.0
Phenanthrene, 2...	12.142	19.7	ng	1355520	4	11.636	1376870	20.0
Phenanthrene, 1...	12.166	17.7	ng	1218000	4	11.636	1376870	20.0
Anthracene, 2-m...	12.213	8.6	ng	593233	4	11.636	1376870	20.0
4H-Cyclopenta[d...	12.254	24.6	ng	1693690	4	11.636	1376870	20.0
1H-Indene, 1-ph...	12.277	8.9	ng	611766	4	11.636	1376870	20.0
5,16[1',2']:8,1...	12.436	11.2	ng	773440	4	11.636	1376870	20.0
Phenanthrene, 4...	12.583	6.3	ng	437335	4	11.636	1376870	20.0
Phenanthrene, 2...	12.689	11.3	ng	779166	4	11.636	1376870	20.0
Cyclopenta(def)...	12.783	10.4	ng	715093	4	11.636	1376870	20.0
Benzo[e]pyrene	15.536	9.3	ng	386305	6	15.901	834084	20.0
Benzo[j]fluoran...	15.759	38.7	ng	1615520	6	15.901	834084	20.0