

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133824.D
 Acq On : 17 Jun 2023 00:48
 Operator : CG\JU
 Sample : 03164-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-001

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-BF060923.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133824.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.169	7	14	21	rVB	364477	506422	29.52%	2.514%
2	2.281	29	33	43	rVB2	26343	40329	2.35%	0.200%
3	3.981	318	322	328	rVB	17114	24620	1.43%	0.122%
4	4.540	412	417	426	rBV2	16797	32681	1.90%	0.162%
5	5.045	497	503	507	rVB	75697	71355	4.16%	0.354%
6	5.104	509	513	519	rBV	78440	100145	5.84%	0.497%
7	5.469	572	575	576	rBV	26957	22029	1.28%	0.109%
8	5.504	576	581	584	rVB	1745926	1692417	98.64%	8.401%
9	5.722	614	618	622	rBV2	41402	46055	2.68%	0.229%
10	6.028	667	670	675	rVB	135557	125163	7.29%	0.621%
11	6.122	679	686	689	rBV5	11789	20526	1.20%	0.102%
12	6.392	729	732	735	rBV3	16222	19679	1.15%	0.098%
13	6.498	746	750	753	rBV	1781614	1715792	100.00%	8.517%
14	6.698	780	784	789	rBV3	48804	64526	3.76%	0.320%
15	6.863	809	812	816	rBV	545056	456717	26.62%	2.267%
16	7.128	853	857	861	rBV3	21315	31756	1.85%	0.158%
17	7.428	904	908	911	rBV	1092657	1023534	59.65%	5.081%
18	7.451	911	912	918	rVB3	21885	19183	1.12%	0.095%
19	7.522	918	924	927	rBV	93768	111643	6.51%	0.554%
20	7.716	954	957	962	rVB	84800	84750	4.94%	0.421%
21	7.828	973	976	978	rBV2	26048	20922	1.22%	0.104%
22	7.886	983	986	991	rVV4	17589	26003	1.52%	0.129%
23	7.939	991	995	1005	rVB9	16074	39064	2.28%	0.194%
24	8.145	1027	1030	1032	rBV	567140	498170	29.03%	2.473%
25	8.163	1032	1033	1037	rVB	72763	44926	2.62%	0.223%
26	8.198	1037	1039	1047	rVB2	28275	38549	2.25%	0.191%
27	8.357	1063	1066	1073	rVB	92164	75350	4.39%	0.374%
28	8.416	1073	1076	1084	rBV	108018	101698	5.93%	0.505%
29	8.563	1098	1101	1105	rBV	39868	40526	2.36%	0.201%
30	8.604	1105	1108	1112	rVB2	21942	22836	1.33%	0.113%
31	8.728	1127	1129	1134	rVB2	31391	27560	1.61%	0.137%
32	8.857	1148	1151	1154	rVB2	77957	76927	4.48%	0.382%
33	8.916	1157	1161	1165	rBV2	40641	38107	2.22%	0.189%
34	8.957	1165	1168	1171	rBV	57329	47932	2.79%	0.238%
35	9.028	1176	1180	1182	rBV	23038	22862	1.33%	0.113%
36	9.139	1195	1199	1201	rBV	40045	39639	2.31%	0.197%

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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	9.216	1209	1212	1216	rBV	1895583	1613283	94.03%	8.008%
38	9.298	1223	1226	1228	rBV	36298	28884	1.68%	0.143%
39	9.375	1236	1239	1243	rVB3	19367	25141	1.47%	0.125%
40	9.416	1243	1246	1251	rVB3	13359	19334	1.13%	0.096%

41	9.486	1255	1258	1261	rVB	23028	25676	1.50%	0.127%
42	9.557	1267	1270	1272	rBV	46353	52283	3.05%	0.260%
43	9.580	1272	1274	1276	rVV	32489	26553	1.55%	0.132%
44	9.622	1276	1281	1283	rVV3	37638	44955	2.62%	0.223%
45	9.675	1288	1290	1295	rVB	29297	28461	1.66%	0.141%

46	9.757	1301	1304	1308	rVB	80534	73432	4.28%	0.365%
47	9.827	1314	1316	1319	rVB	37525	25135	1.46%	0.125%
48	9.898	1325	1328	1331	rVV	604910	470928	27.45%	2.338%
49	9.933	1331	1334	1338	rVB2	39753	40453	2.36%	0.201%
50	10.010	1343	1347	1350	rVB4	21305	27811	1.62%	0.138%

51	10.057	1350	1355	1356	rBV4	19516	27758	1.62%	0.138%
52	10.104	1359	1363	1366	rVB	51278	51966	3.03%	0.258%
53	10.139	1367	1369	1374	rVB3	28909	26908	1.57%	0.134%
54	10.216	1378	1382	1385	rBV2	32487	35984	2.10%	0.179%
55	10.310	1394	1398	1399	rBV3	31669	36080	2.10%	0.179%

56	10.327	1399	1401	1404	rVB2	50247	42793	2.49%	0.212%
57	10.445	1418	1421	1423	rBV2	34138	32433	1.89%	0.161%
58	10.616	1446	1450	1453	rBV2	124171	109285	6.37%	0.542%
59	10.692	1459	1463	1466	rBV	1256229	1051353	61.28%	5.219%
60	10.816	1479	1484	1491	rBV3	75038	114499	6.67%	0.568%

61	10.892	1494	1497	1499	rBV2	22824	23386	1.36%	0.116%
62	10.922	1500	1502	1506	rVB4	17163	19210	1.12%	0.095%
63	10.998	1510	1515	1518	rBV6	27210	40342	2.35%	0.200%
64	11.151	1539	1541	1545	rVB5	26544	21616	1.26%	0.107%
65	11.198	1546	1549	1552	rVV2	46373	45661	2.66%	0.227%

66	11.257	1556	1559	1562	rVV2	52616	63607	3.71%	0.316%
67	11.286	1562	1564	1570	rVB	65740	63309	3.69%	0.314%
68	11.392	1579	1582	1584	rBV	617502	509995	29.72%	2.532%
69	11.416	1584	1586	1590	rVV	554643	427306	24.90%	2.121%
70	11.469	1592	1595	1598	rVB	118265	93155	5.43%	0.462%

71	11.498	1598	1600	1604	rBV2	35549	43759	2.55%	0.217%
72	11.627	1619	1622	1624	rBV	57142	55738	3.25%	0.277%
73	11.686	1630	1632	1635	rVB2	50337	39491	2.30%	0.196%
74	11.727	1636	1639	1641	rVB	57098	45086	2.63%	0.224%
75	11.851	1658	1660	1662	rBV2	32602	27894	1.63%	0.138%

76	11.898	1665	1668	1670	rVV	152271	142238	8.29%	0.706%
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77	11.921	1670	1672	1677	rVV2	308124	310692	18.11%	1.542%
78	11.974	1679	1681	1683	rVV	65749	59921	3.49%	0.297%
79	12.010	1684	1687	1689	rVV2	224279	240618	14.02%	1.194%
80	12.033	1689	1691	1696	rVB	119003	101821	5.93%	0.505%
81	12.133	1705	1708	1710	rBV2	36243	35616	2.08%	0.177%
82	12.192	1716	1718	1721	rBV	85215	84752	4.94%	0.421%
83	12.221	1721	1723	1726	rVB2	79181	73770	4.30%	0.366%
84	12.345	1742	1744	1747	rBV	45855	32671	1.90%	0.162%
85	12.374	1747	1749	1752	rBV	52299	50315	2.93%	0.250%
86	12.451	1759	1762	1765	rBV	196270	214803	12.52%	1.066%
87	12.486	1766	1768	1771	rVV2	128361	125815	7.33%	0.625%
88	12.539	1774	1777	1781	rBV3	81263	107542	6.27%	0.534%
89	12.616	1787	1790	1793	rBV	903127	721782	42.07%	3.583%
90	12.710	1804	1806	1809	rBV2	60278	67502	3.93%	0.335%
91	12.845	1824	1829	1835	rBV	866167	968180	56.43%	4.806%
92	12.992	1850	1854	1861	rVB	1562936	1476606	86.06%	7.330%
93	13.174	1883	1885	1889	rVB	176448	167273	9.75%	0.830%
94	13.280	1901	1903	1906	rVB2	123538	109208	6.36%	0.542%
95	13.898	2006	2008	2017	rVB2	169956	192205	11.20%	0.954%
96	14.051	2030	2034	2037	rBV2	512575	732936	42.72%	3.638%
97	14.080	2037	2039	2042	rVB	354146	268962	15.68%	1.335%
98	15.121	2212	2216	2220	rBV	285798	455658	26.56%	2.262%
99	15.504	2277	2281	2288	rVB	207875	285822	16.66%	1.419%
100	15.568	2289	2292	2295	rBV	169105	197117	11.49%	0.978%

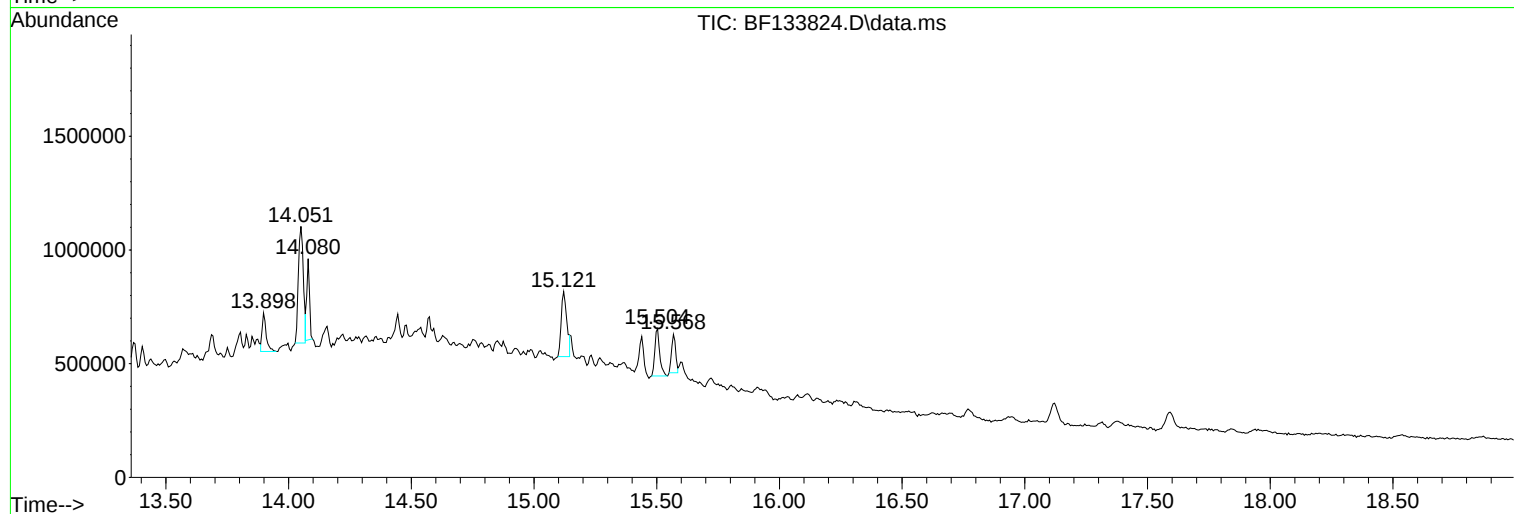
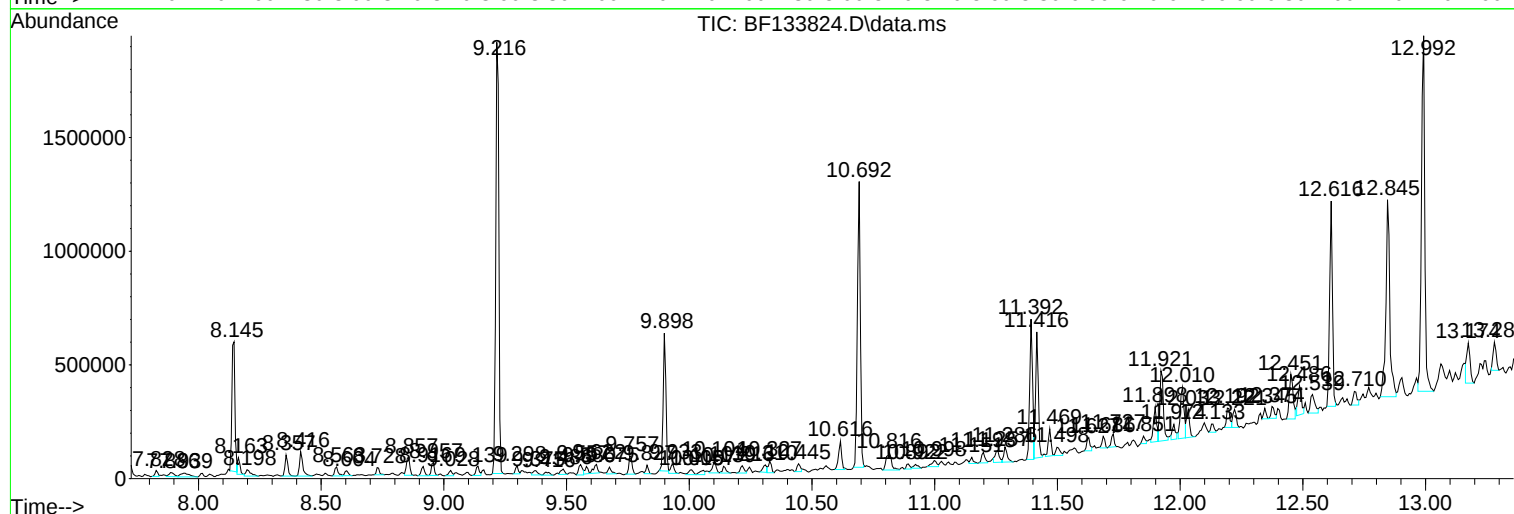
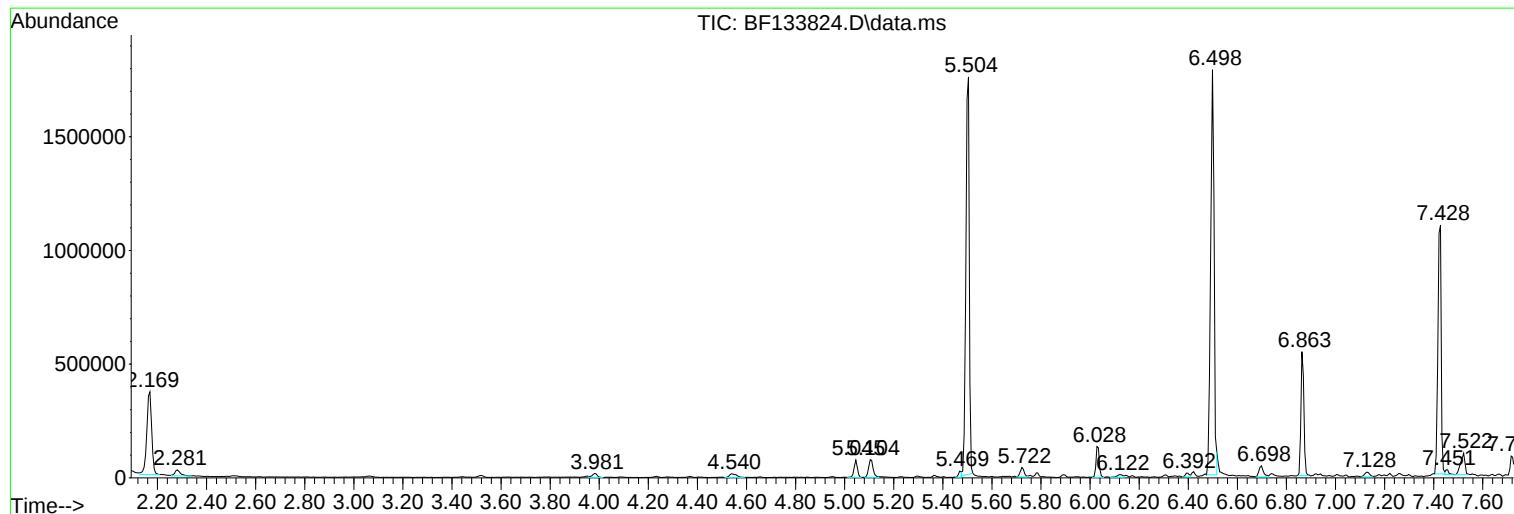
Sum of corrected areas: 20145161

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ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.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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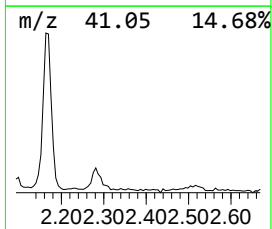
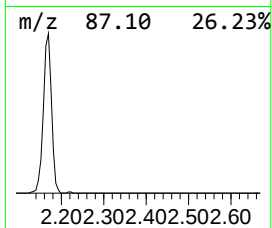
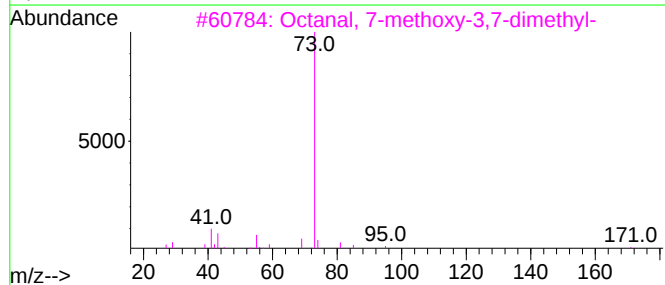
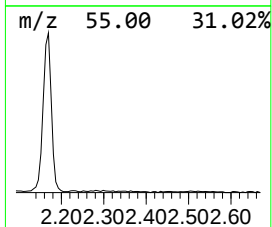
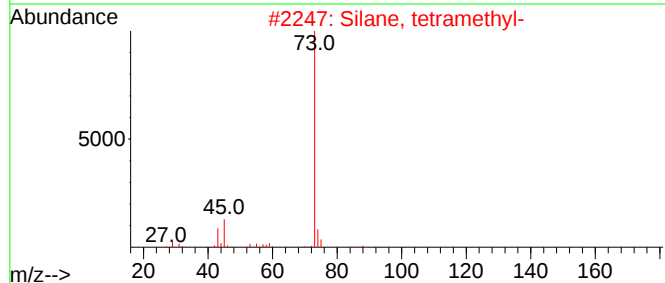
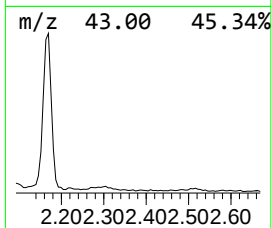
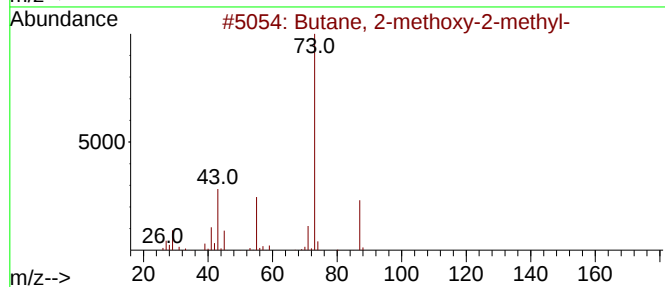
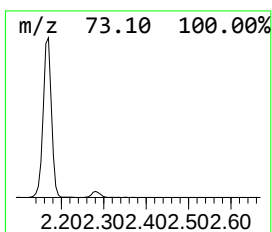
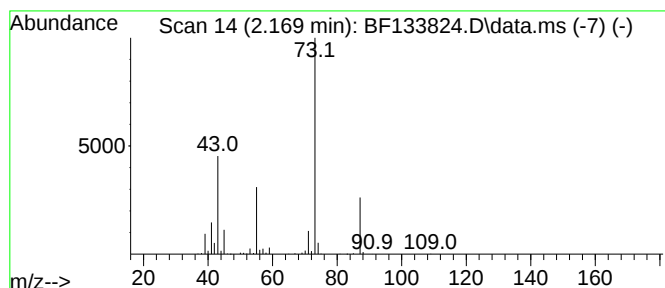
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.169	22.18 ng	506422	1,4-Dichlorobenzene-d4	6.863

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
3			Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	17
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9



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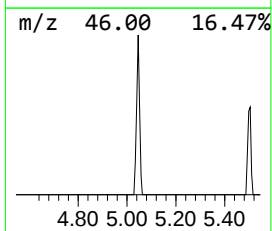
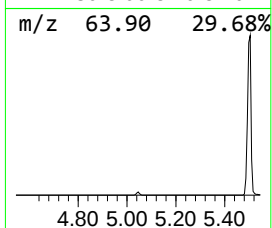
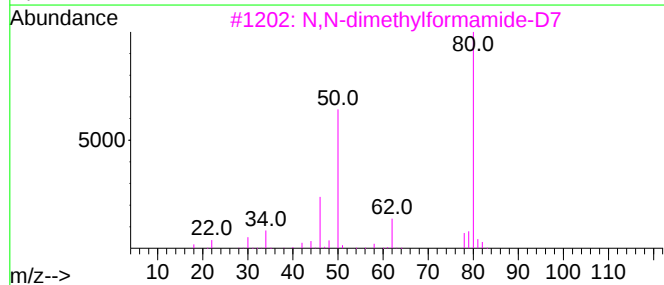
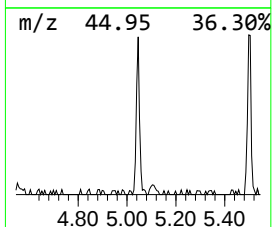
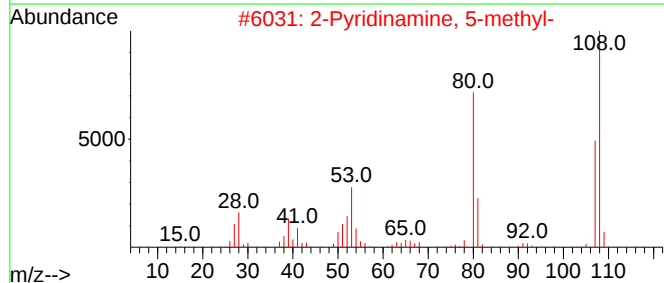
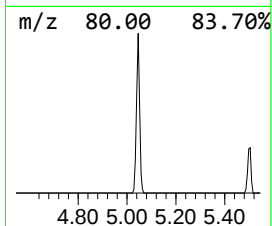
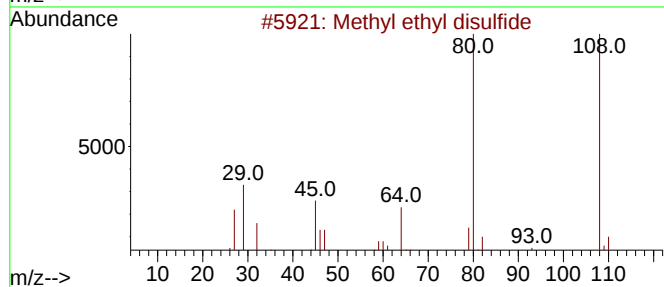
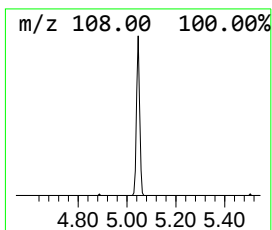
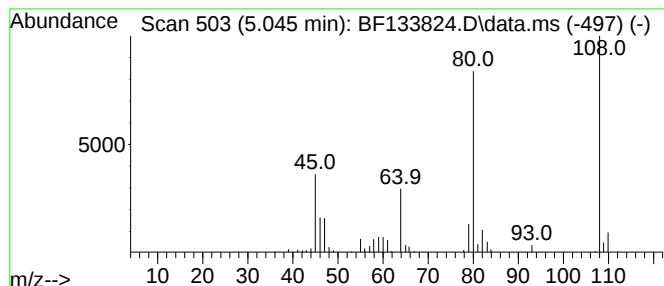
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Methyl ethyl disulfide Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.045	3.12 ng	71355	1,4-Dichlorobenzene-d4	6.863

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methyl ethyl disulfide	108	C3H8S2	020333-39-5	91
2			2-Pyridinamine, 5-methyl-	108	C6H8N2	001603-41-4	72
3			N,N-dimethylformamide-D7	80	C3D7N0	004472-41-7	50
4			1,2-Benzenediamine	108	C6H8N2	000095-54-5	50
5			Nicotinyl alcohol	109	C6H7NO	000100-55-0	43



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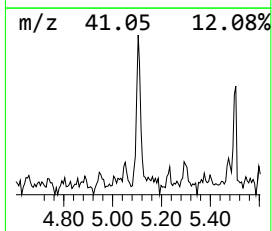
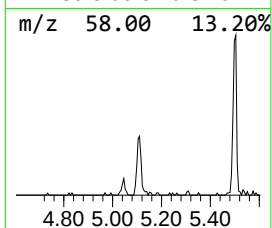
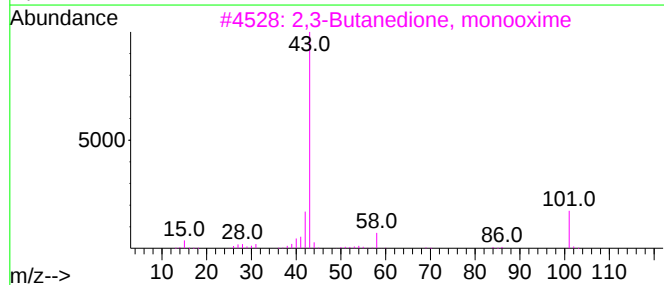
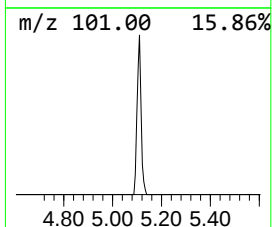
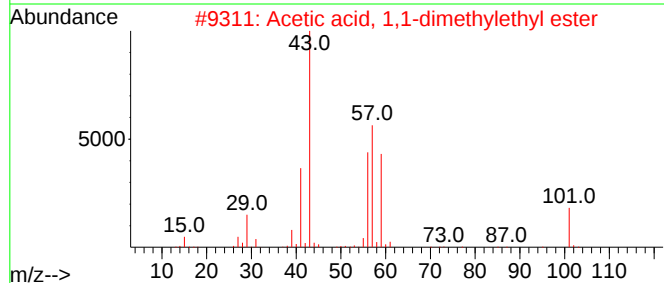
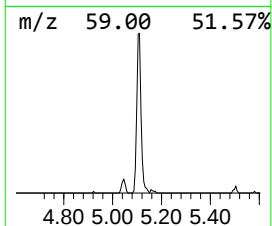
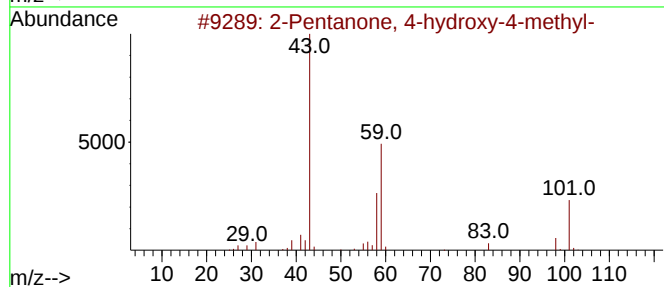
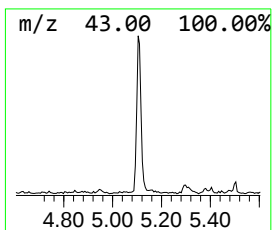
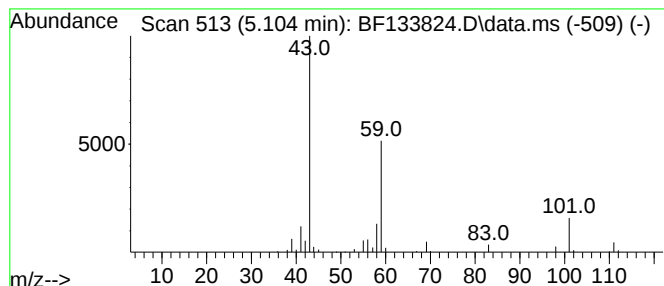
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.104	4.39 ng	100145	1,4-Dichlorobenzene-d4	6.863

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45		
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36		
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16		
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		
5	1-Heptyn-6-one	110	C7H10O	000928-39-2	10		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133824.D
Acq On : 17 Jun 2023 00:48
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

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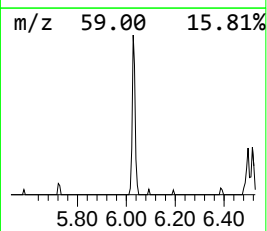
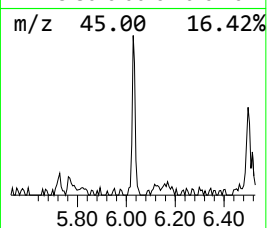
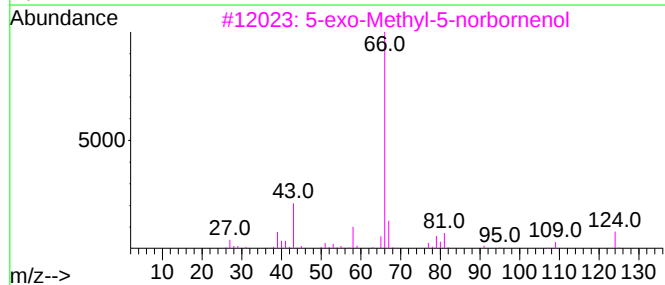
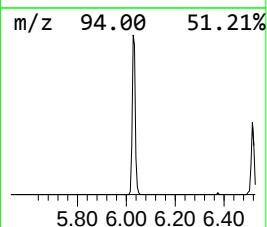
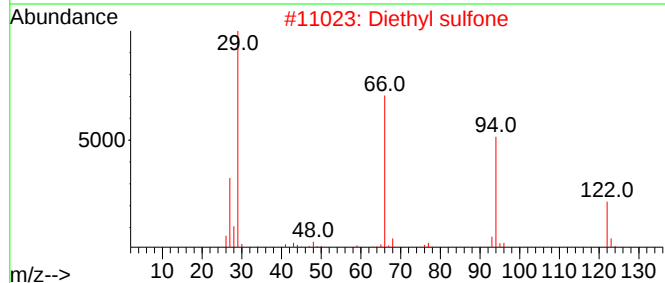
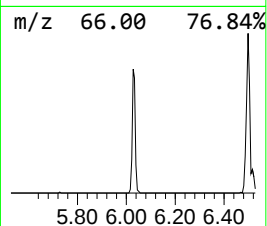
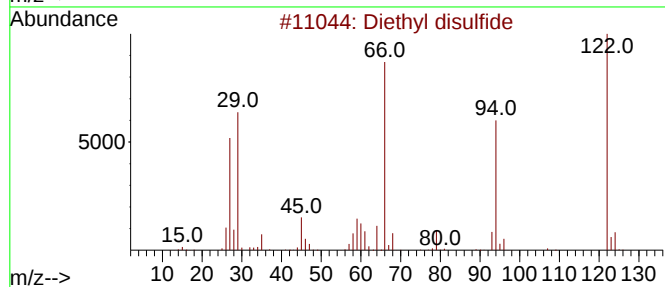
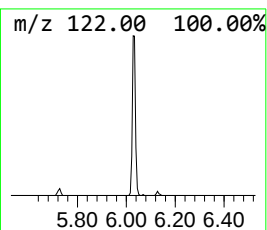
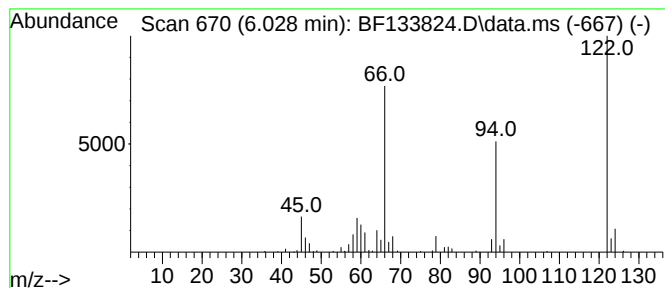
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Diethyl disulfide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.028	5.48 ng	125163	1,4-Dichlorobenzene-d4	6.863

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Diethyl disulfide	122	C4H10S2	000110-81-6	95
2			Diethyl sulfone	122	C4H10O2S	000597-35-3	50
3			5-exo-Methyl-5-norbornenol	124	C8H12O	003212-13-3	40
4			6-exo-Methyl-5-endo-norbornenol	124	C8H12O	041414-52-2	40
5			5-Norbornane-2-carboxaldehyde	122	C8H10O	005453-80-5	39



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133824.D
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Sample : 03164-01
Misc :
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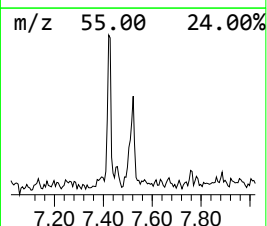
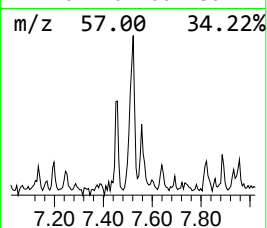
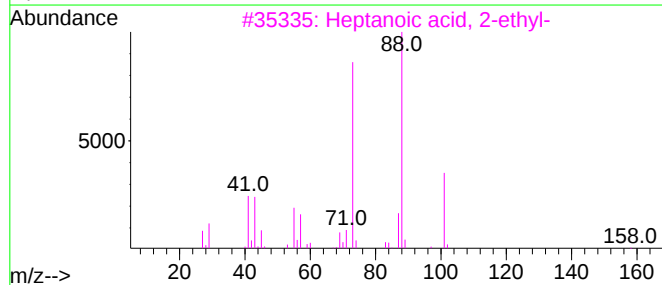
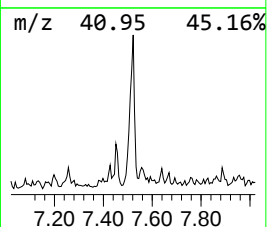
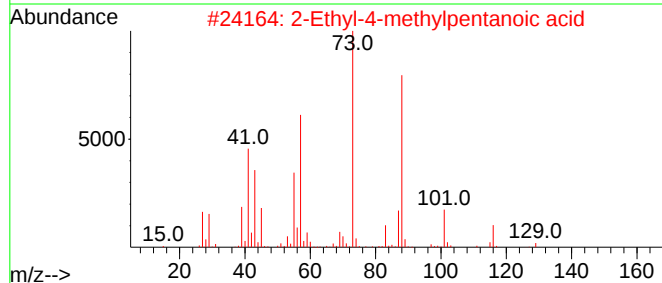
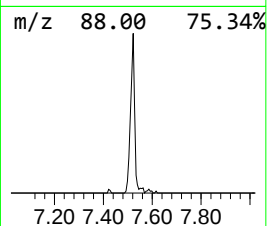
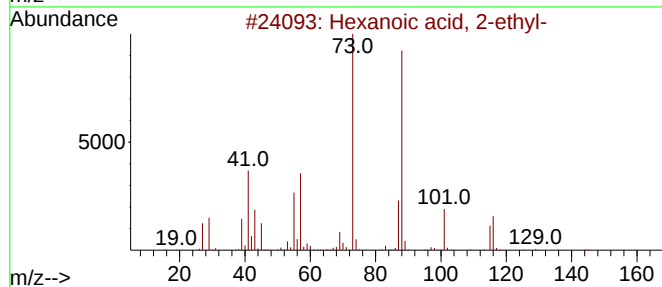
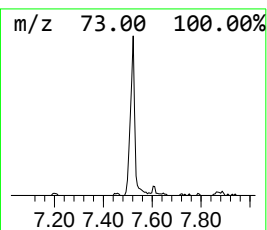
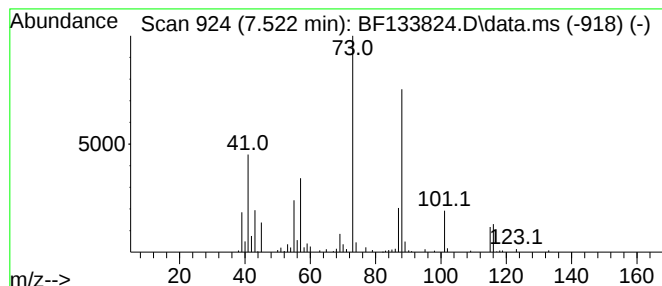
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexanoic acid, 2-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.522	4.48 ng	111643	Naphthalene-d8	8.145

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	90
2			2-Ethyl-4-methylpentanoic acid	144	C8H16O2	000108-81-6	56
3			Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	53
4			Diisopropanolamine	133	C6H15NO2	000110-97-4	43
5			Acetic acid, diethyl-	116	C6H12O2	000088-09-5	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133824.D
Acq On : 17 Jun 2023 00:48
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Misc :
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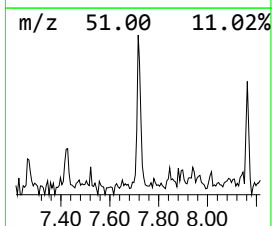
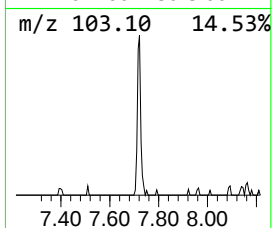
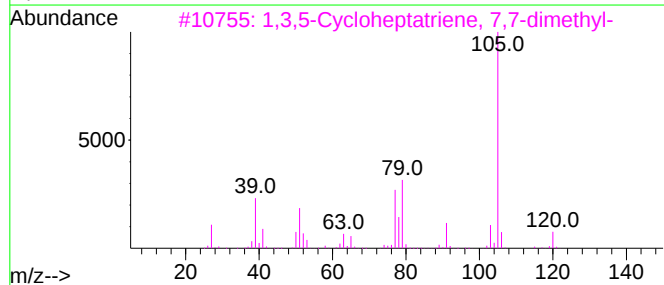
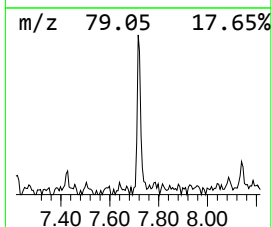
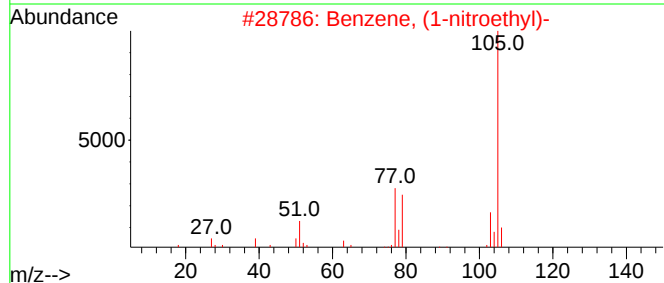
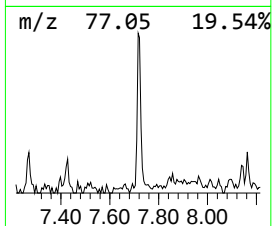
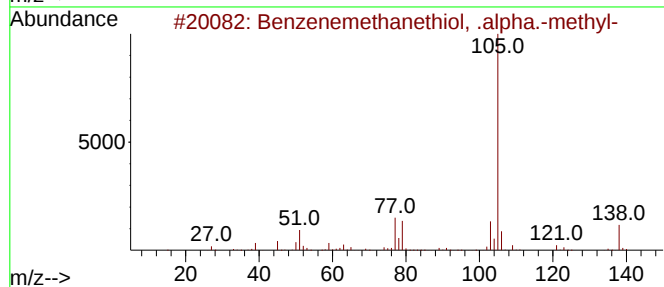
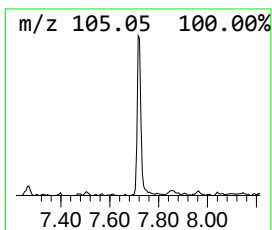
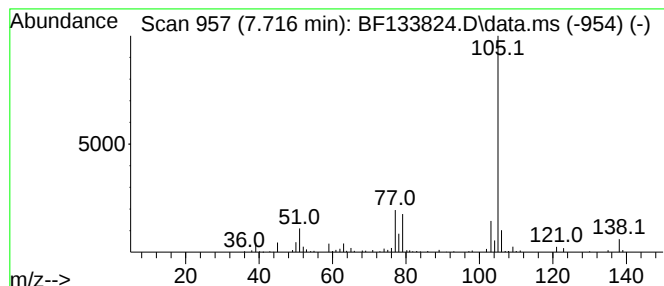
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzenemethanethiol, .alpha... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.716	3.40 ng	84750	Naphthalene-d8	8.145

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzenemethanethiol, .alpha.-met...	138	C8H10S	006263-65-6	90
2		Benzene, (1-nitroethyl)-	151	C8H9NO2	007214-61-1	80
3		1,3,5-Cycloheptatriene, 7,7-dime...	120	C9H12	007557-11-1	72
4		Benzenemethanethiol, 4-methyl-	138	C8H10S	004498-99-1	72
5		Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133824.D
Acq On : 17 Jun 2023 00:48
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Misc :
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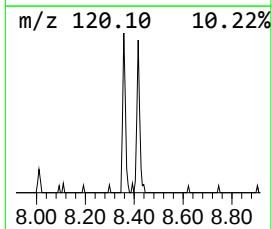
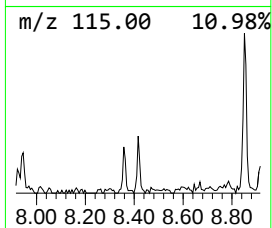
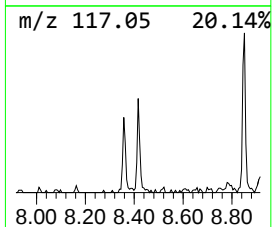
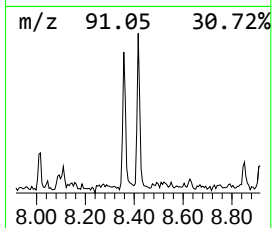
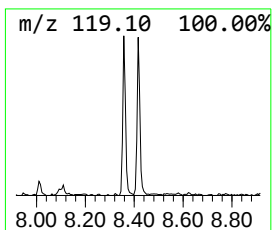
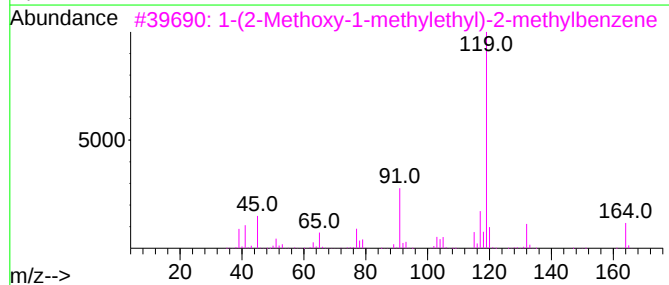
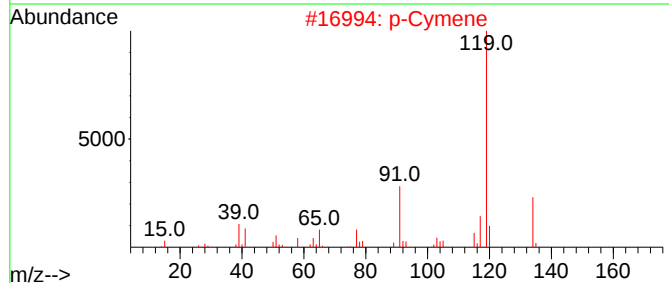
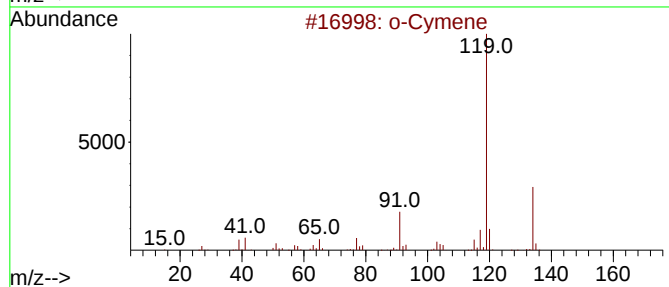
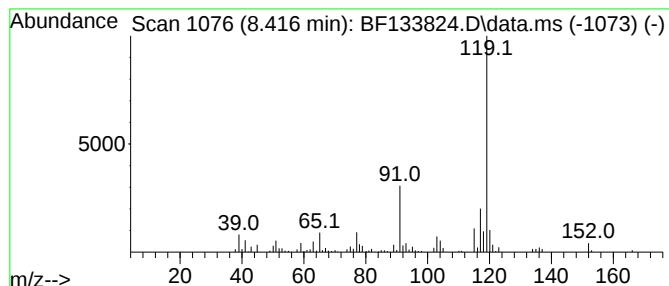
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 o-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.416	4.08 ng	101698	Naphthalene-d8	8.145

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	81
2			p-Cymene	134	C10H14	000099-87-6	80
3			1-(2-Methoxy-1-methylethyl)-2-me...	164	C11H16O	1000210-02-1	78
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	68
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133824.D
Acq On : 17 Jun 2023 00:48
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Misc :
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ClientSampleId :
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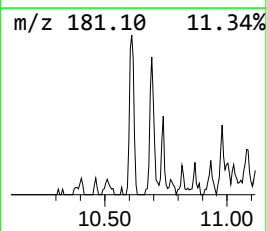
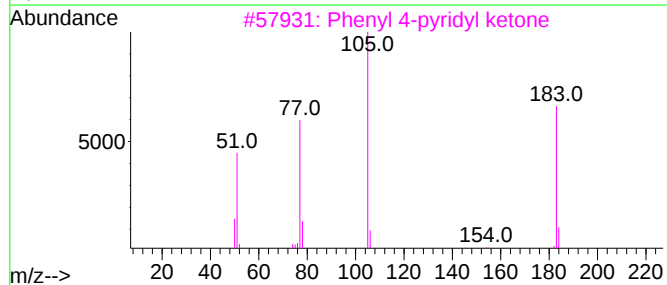
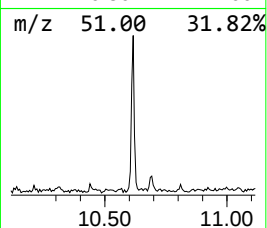
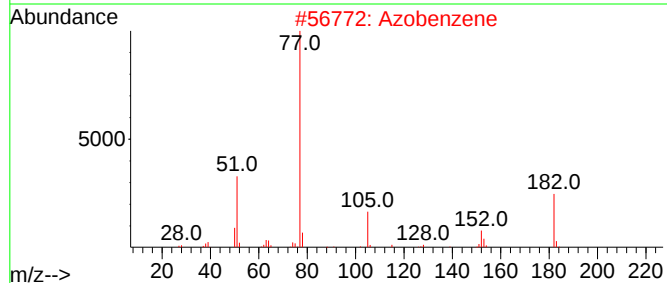
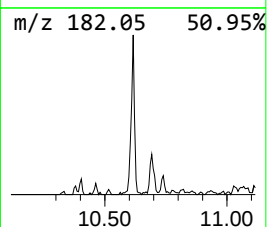
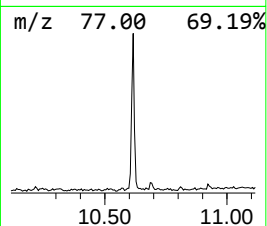
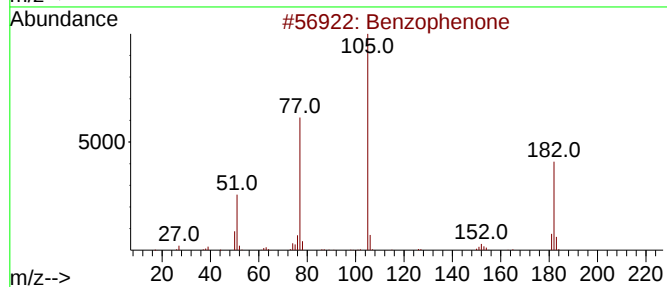
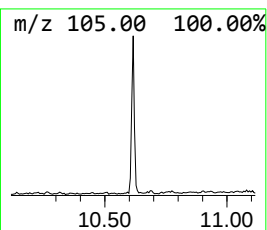
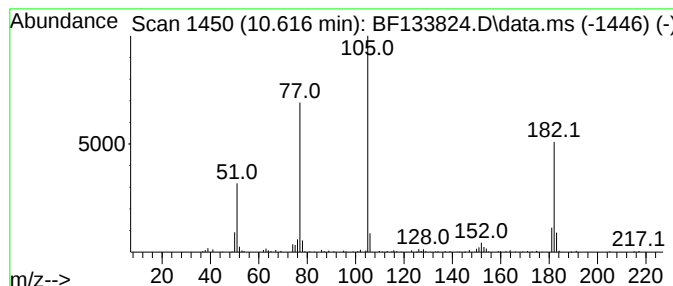
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzophenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	4.64 ng	109285	Acenaphthene-d10	9.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	59
3			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	50
4			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	49
5			Benzoylformic acid	150	C8H6O3	000611-73-4	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
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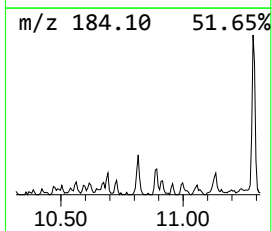
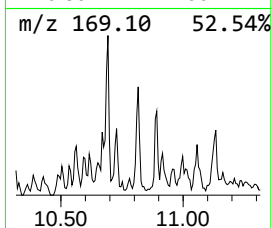
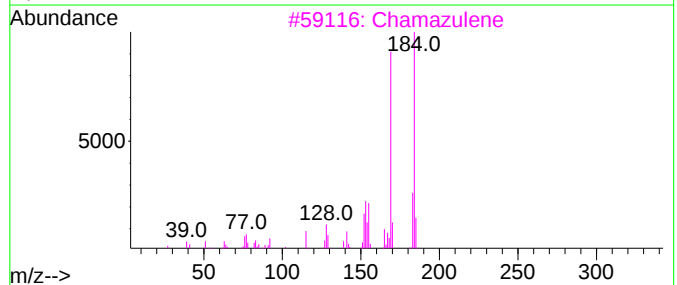
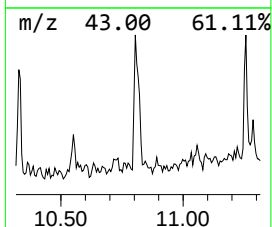
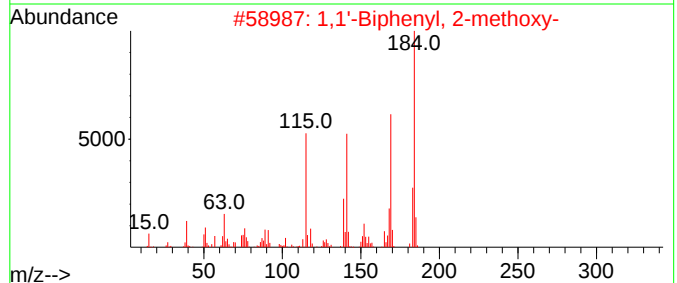
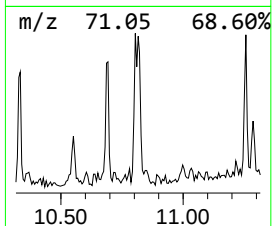
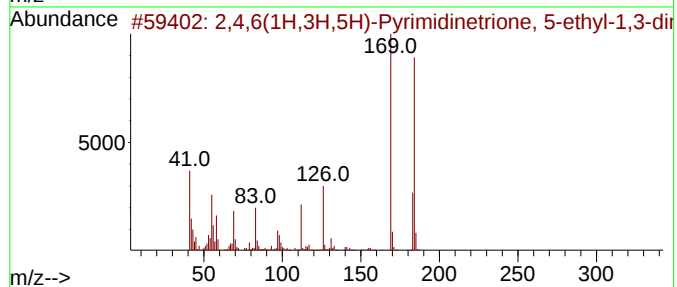
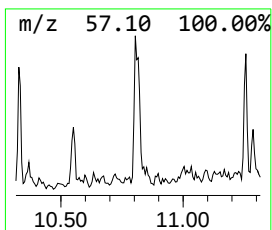
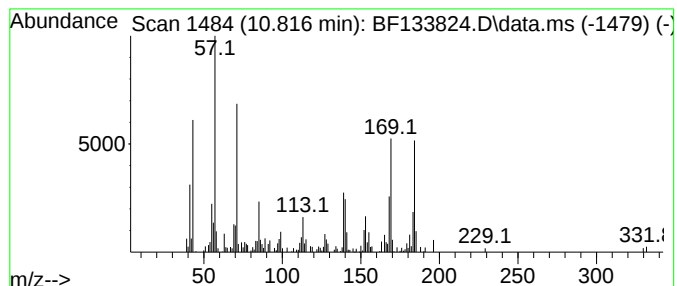
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown10.816 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.816	4.49 ng	114499	Phenanthrene-d10	11.392	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6(1H,3H,5H)-Pyrimidinetrione...	184	C8H12N2O3	007391-61-9	41
2	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	38
3	Chamazulene	184	C14H16	000529-05-5	38
4	1,6-Dimethyl- 3-ethylnaphthalene	184	C14H16	1000383-71-8	38
5	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133824.D
Acq On : 17 Jun 2023 00:48
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Sample : 03164-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

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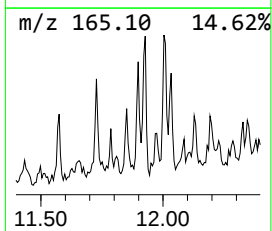
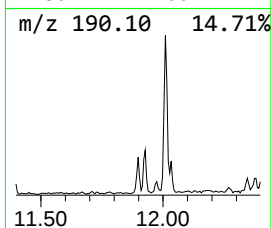
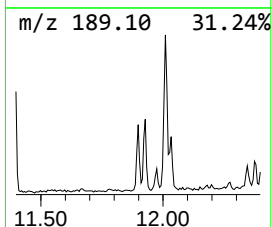
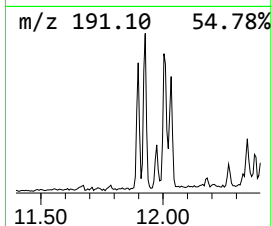
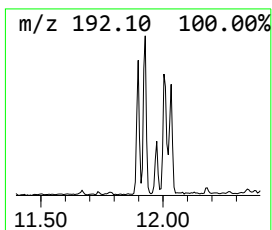
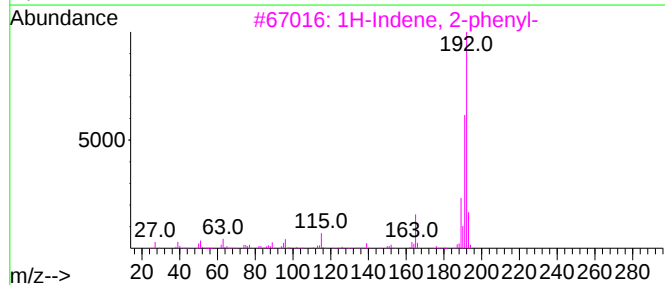
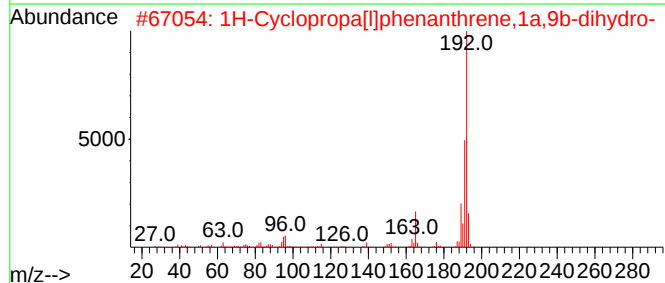
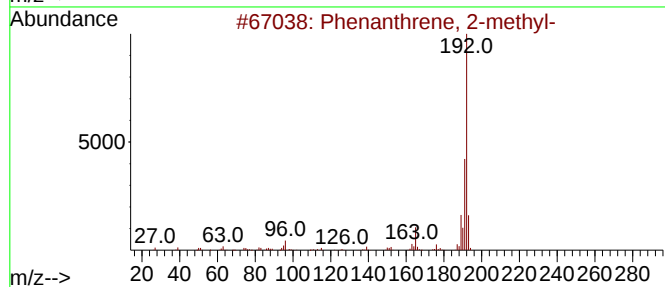
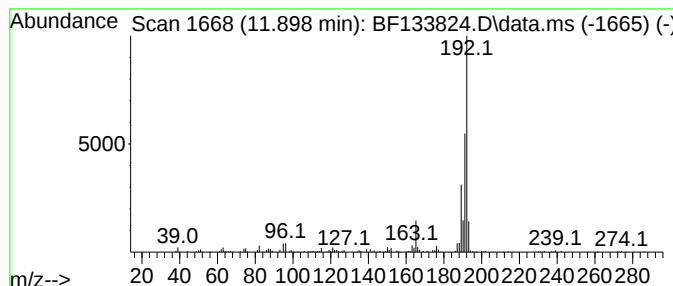
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.898	5.58 ng	142238	Phenanthrene-d10	11.392

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133824.D
Acq On : 17 Jun 2023 00:48
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-001

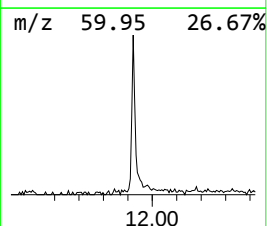
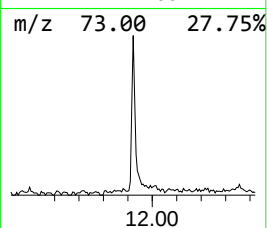
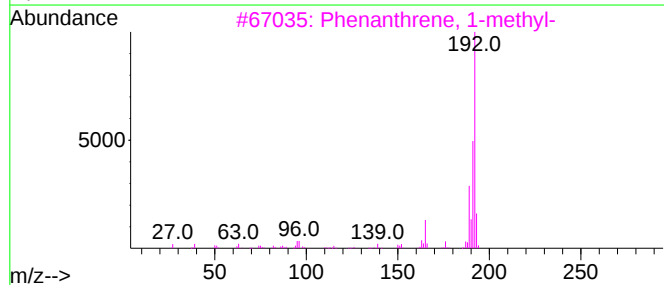
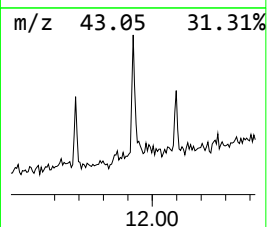
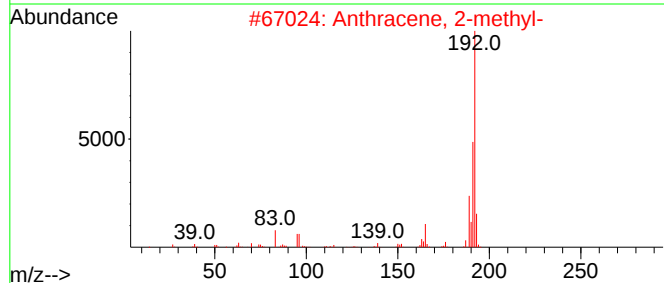
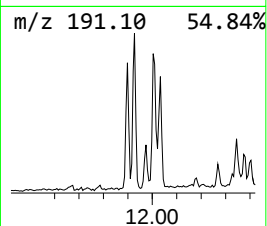
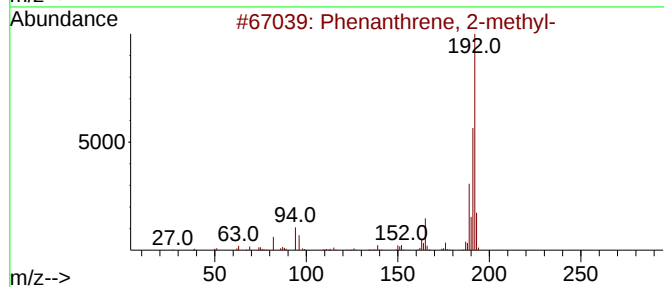
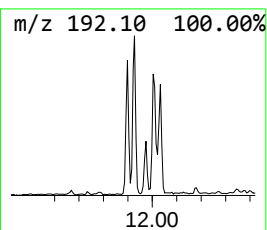
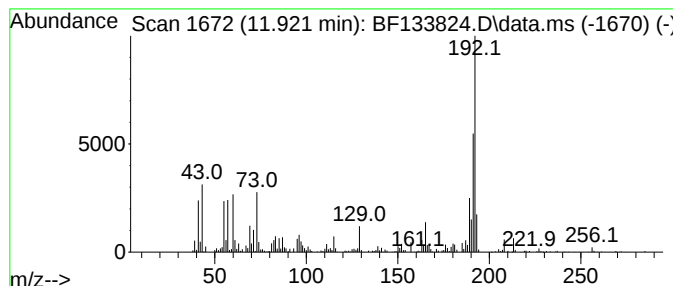
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	12.18 ng	310692	Phenanthrene-d10	11.392

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133824.D
Acq On : 17 Jun 2023 00:48
Operator : CG\JU
Sample : 03164-01
Misc :
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Instrument :
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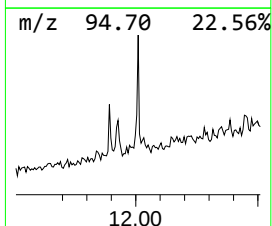
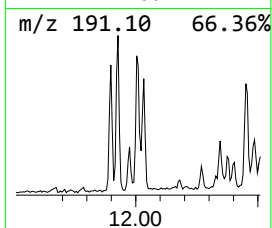
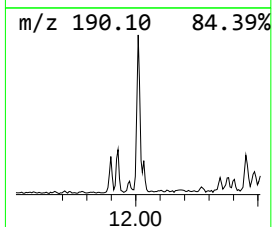
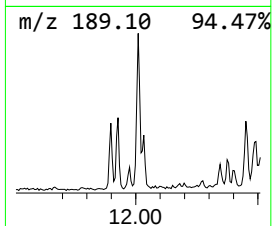
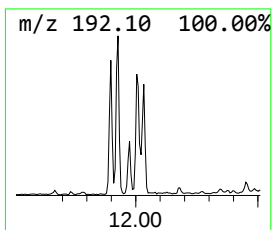
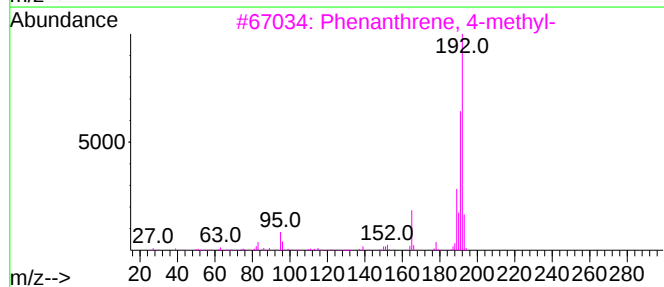
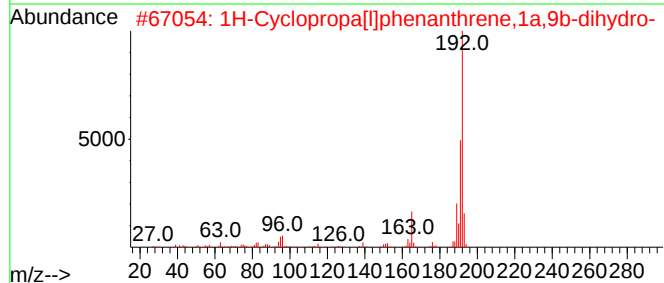
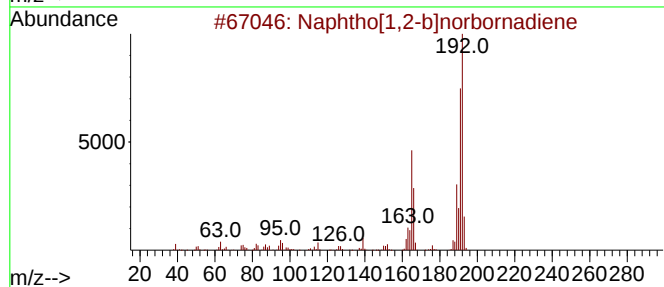
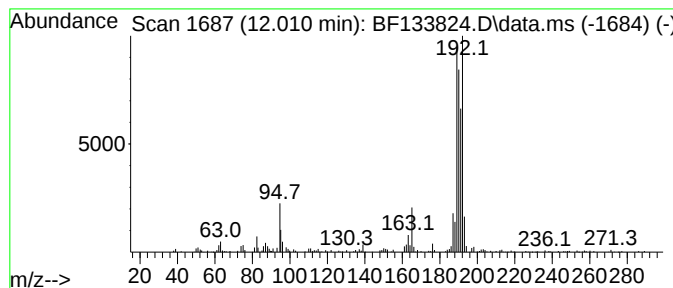
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphtho[1,2-b]norbornadiene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	9.44 ng	240618	Phenanthrene-d10	11.392

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	50
2			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	46
3			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133824.D
Acq On : 17 Jun 2023 00:48
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

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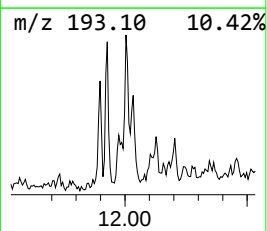
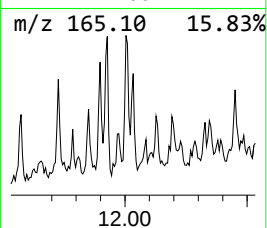
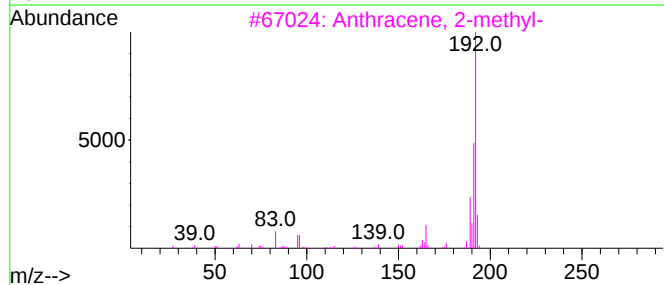
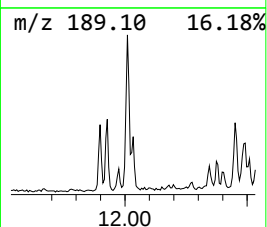
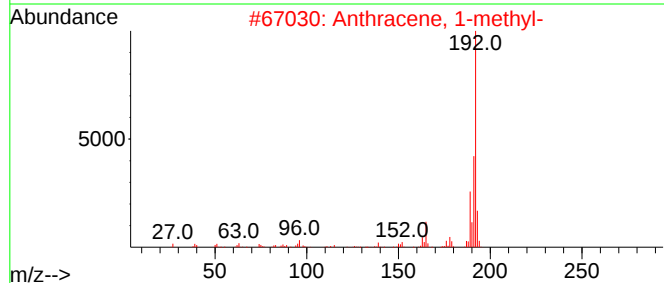
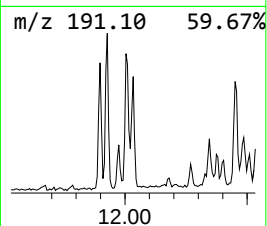
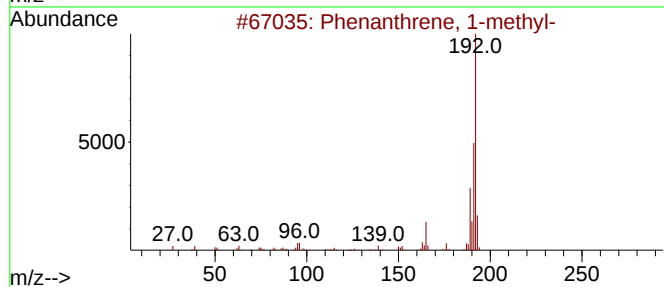
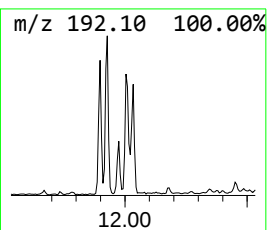
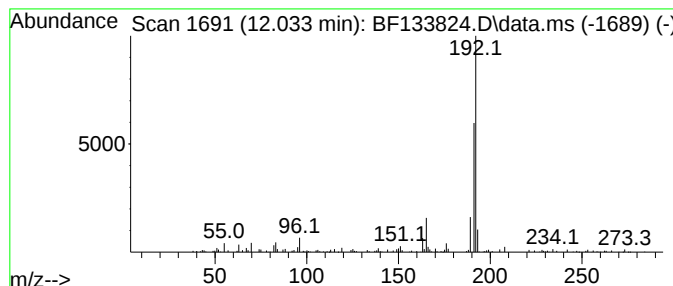
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	3.99 ng	101821	Phenanthrene-d10	11.392

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133824.D
Acq On : 17 Jun 2023 00:48
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

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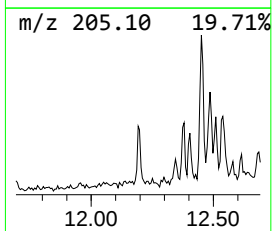
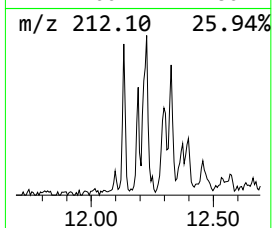
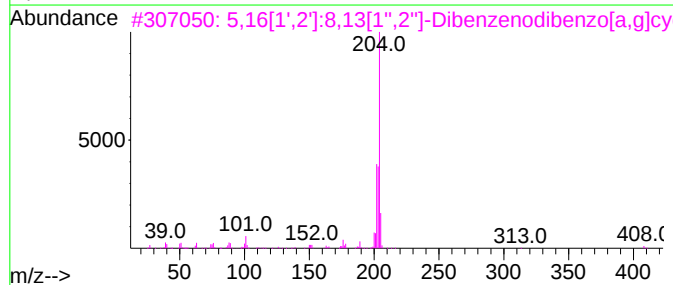
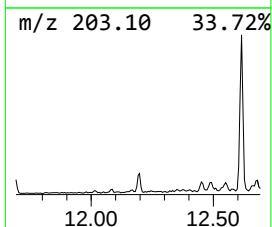
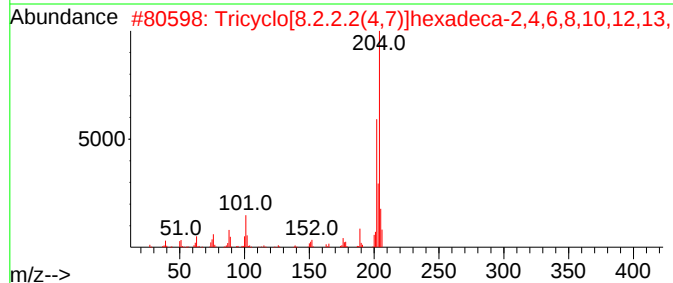
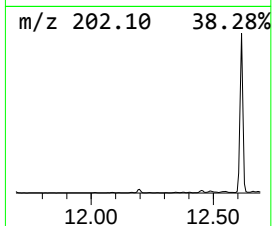
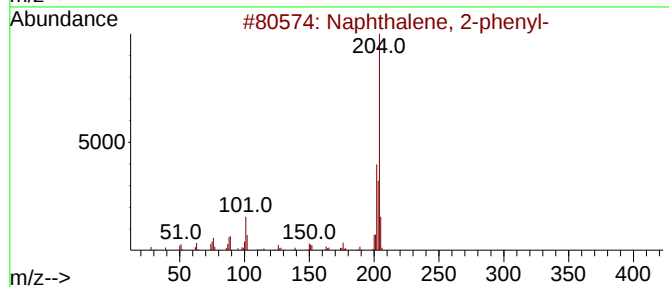
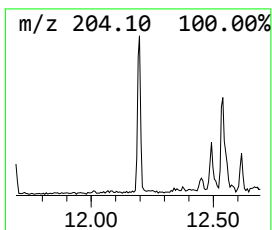
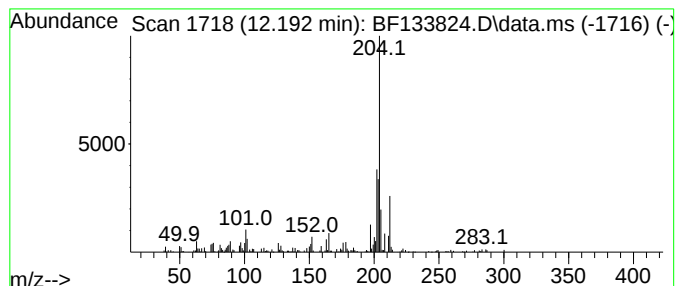
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.192	3.32 ng	84752	Phenanthrene-d10	11.392

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
2			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
3			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
4			5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	43
5			Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133824.D
Acq On : 17 Jun 2023 00:48
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

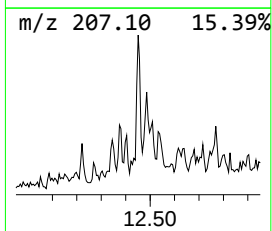
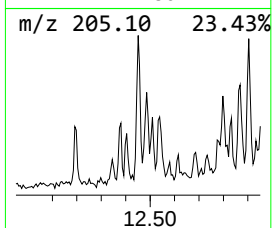
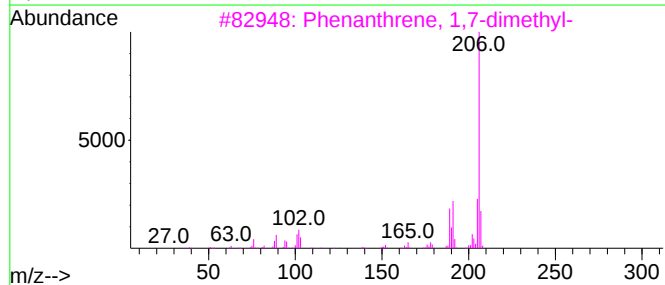
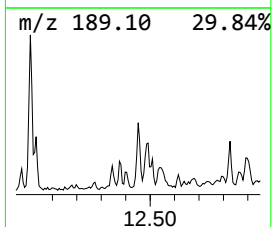
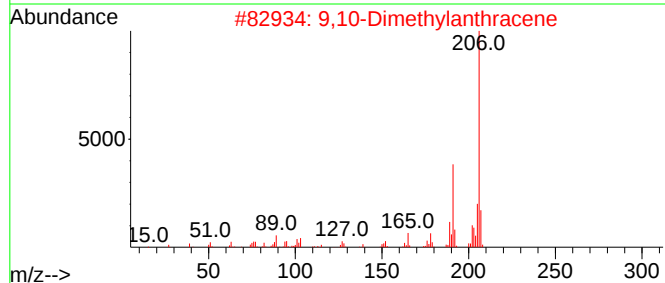
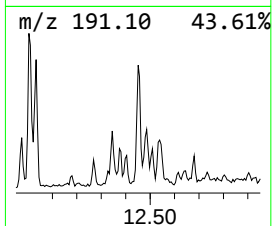
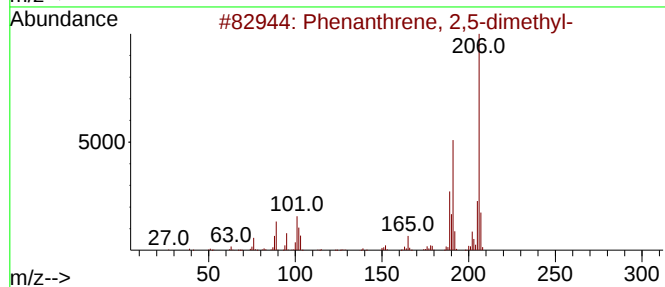
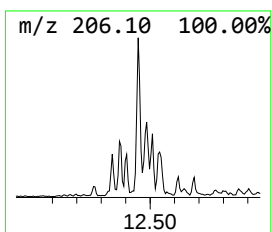
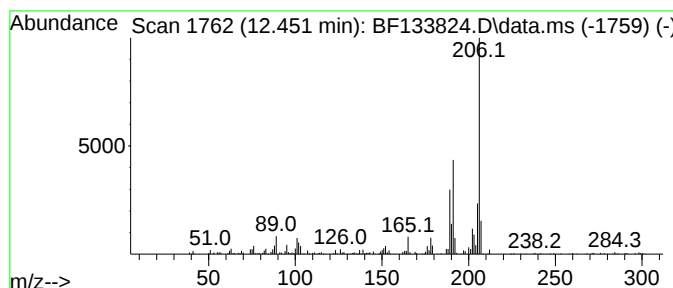
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.451	8.42 ng	214803	Phenanthrene-d10	11.392	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
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Misc :
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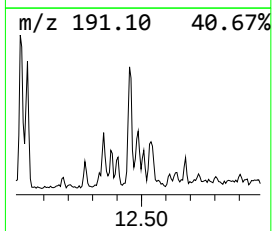
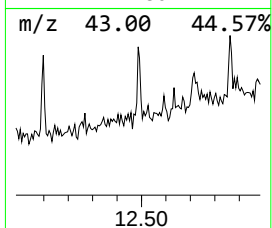
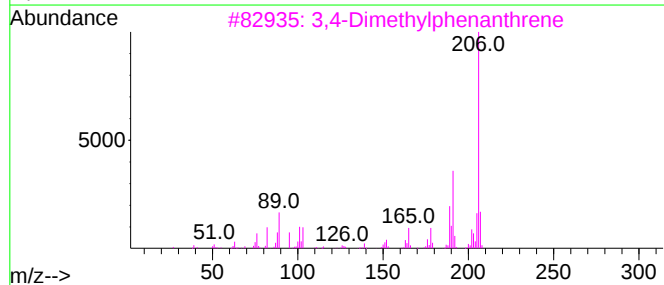
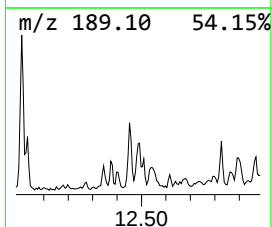
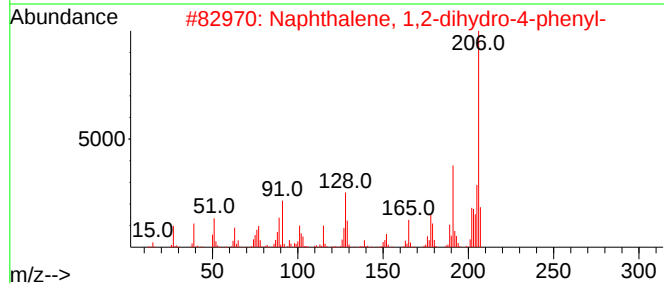
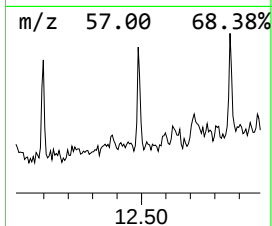
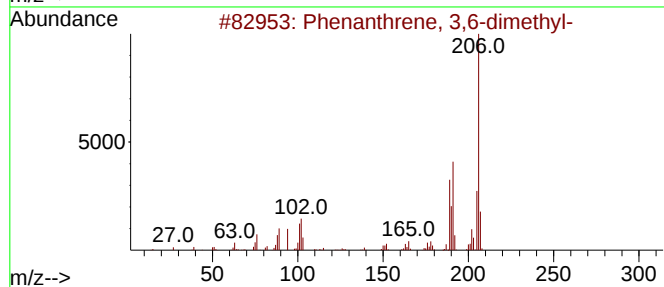
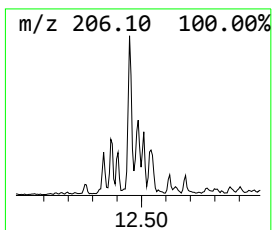
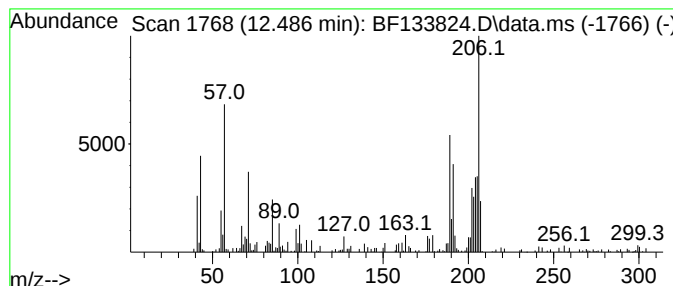
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.486	4.93 ng	125815	Phenanthrene-d10	11.392	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	60
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	53
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	53
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133824.D
Acq On : 17 Jun 2023 00:48
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

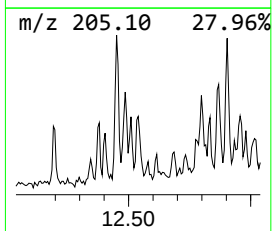
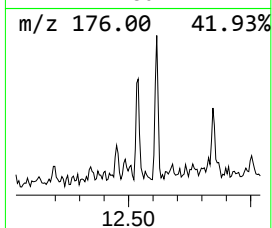
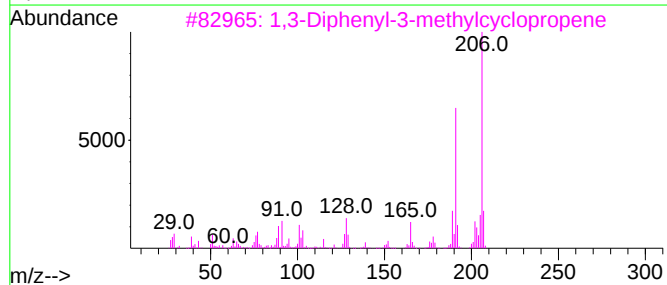
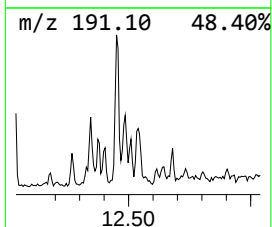
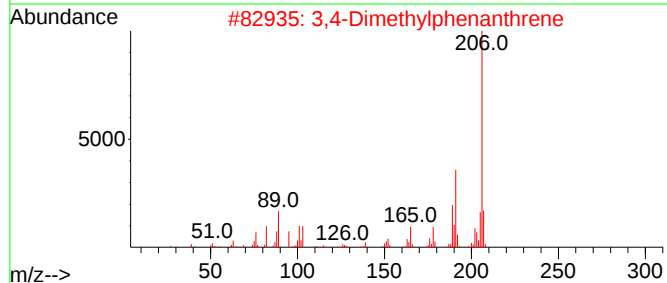
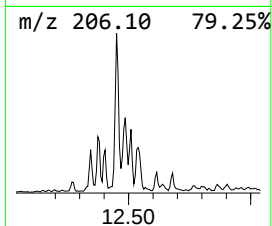
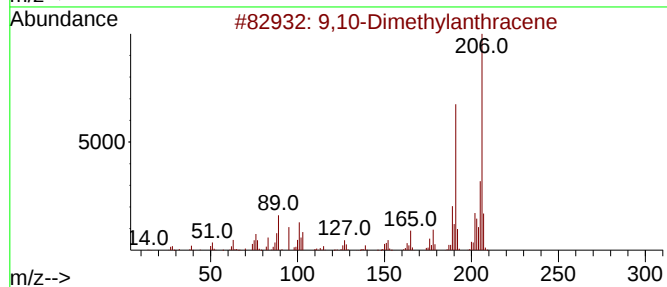
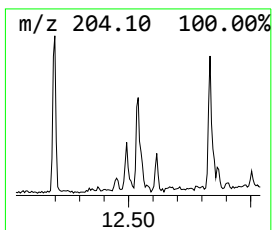
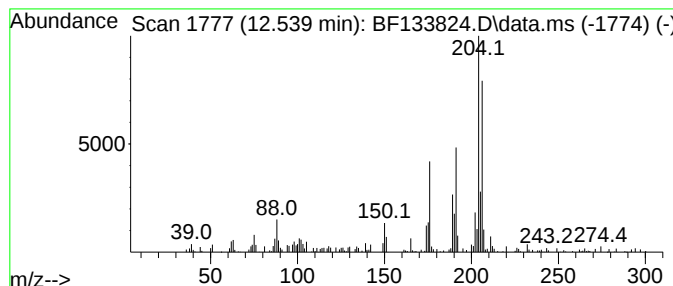
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 9,10-Dimethylantracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.539	4.22 ng	107542	Phenanthrene-d10	11.392	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylantracene	206	C16H14	000781-43-1	64
2	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	55
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	50
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133824.D
Acq On : 17 Jun 2023 00:48
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-001

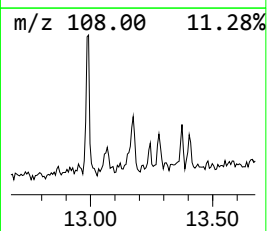
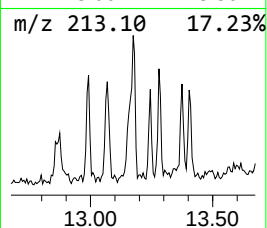
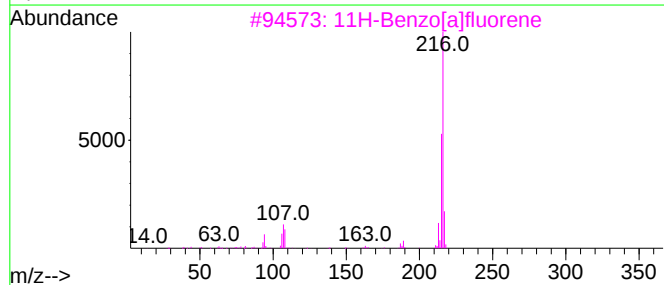
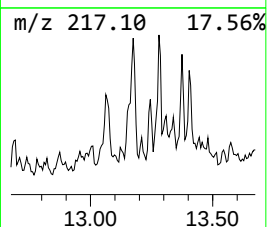
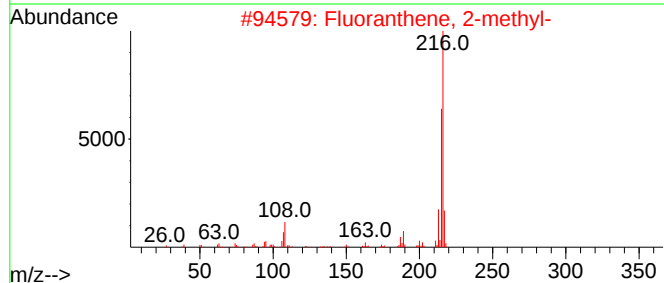
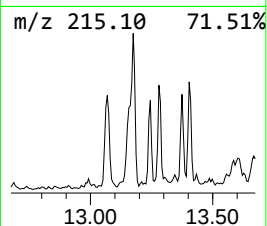
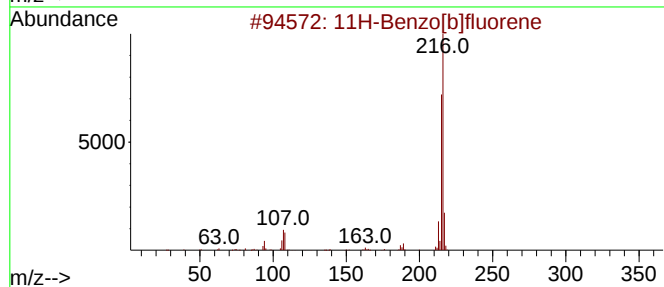
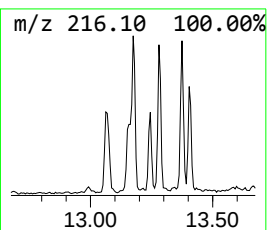
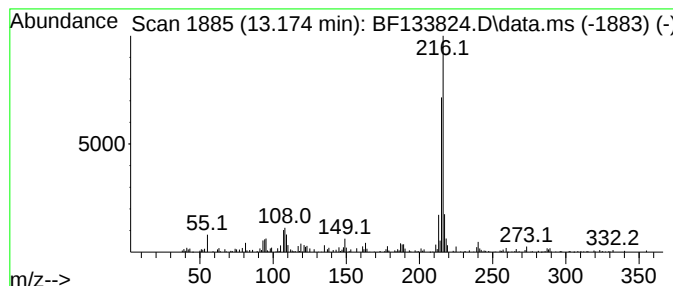
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.174	4.56 ng	167273	Chrysene-d12	14.057

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4			Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5			Pyrene, 1-methyl-	216	C17H12	002381-21-7	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
Data File : BF133824.D
Acq On : 17 Jun 2023 00:48
Operator : CG\JU
Sample : 03164-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-001

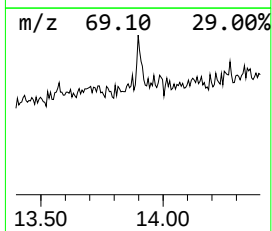
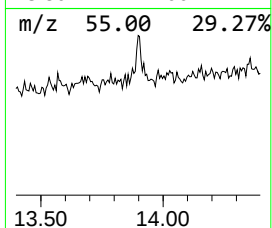
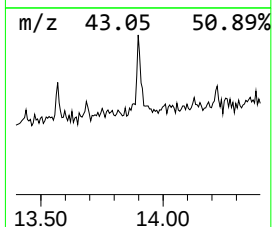
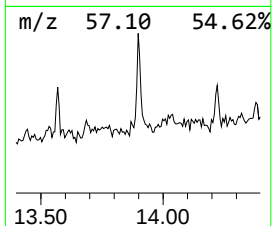
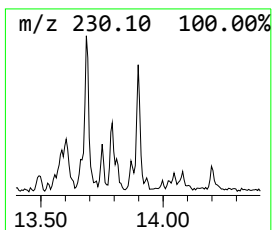
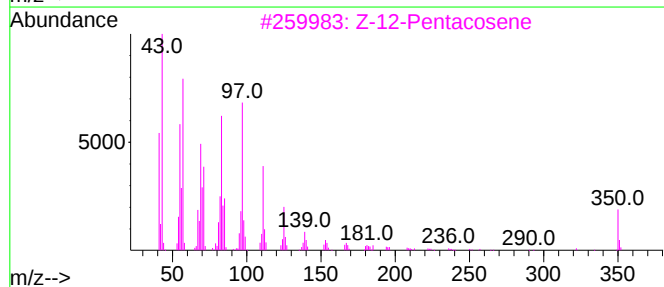
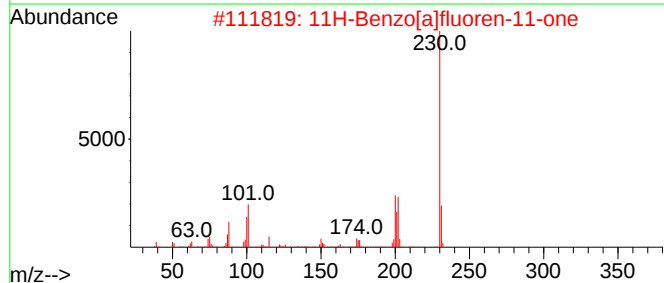
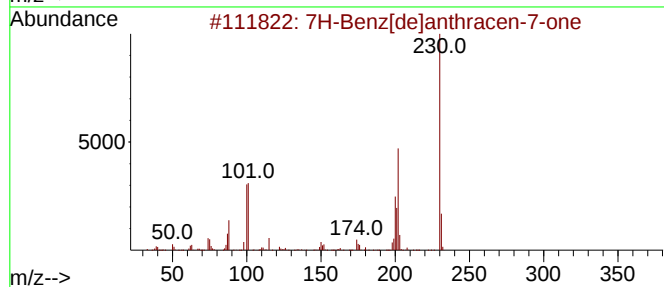
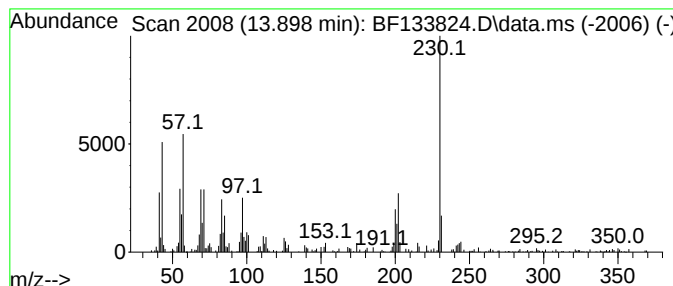
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 7H-Benz[de]anthracen-7-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.898	5.24 ng	192205	Chrysene-d12	14.057

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	94
2		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	83
3		Z-12-Pentacosene	350	C25H50	1000131-09-4	44
4		9-Xanthene, 3-chloro-	230	C13H7ClO2	027063-50-9	38
5		5-Amino-7-imino-4,8-diazatricycl...	230	C12H14N4O	1000388-35-6	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061623\
 Data File : BF133824.D
 Acq On : 17 Jun 2023 00:48
 Operator : CG\JU
 Sample : 03164-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.169	22.2	ng	506422	1	6.863	456717	20.0
Methyl ethyl di...	5.045	3.1	ng	71355	1	6.863	456717	20.0
2-Pentanone, 4-...	5.104	4.4	ng	100145	1	6.863	456717	20.0
Diethyl disulfide	6.028	5.5	ng	125163	1	6.863	456717	20.0
Hexanoic acid, ...	7.522	4.5	ng	111643	2	8.145	498170	20.0
Benzenemethanet...	7.716	3.4	ng	84750	2	8.145	498170	20.0
o-Cymene	8.416	4.1	ng	101698	2	8.145	498170	20.0
Benzophenone	10.616	4.6	ng	109285	3	9.898	470928	20.0
unknown10.816	10.816	4.5	ng	114499	4	11.392	509995	20.0
Phenanthrene, 2...	11.898	5.6	ng	142238	4	11.392	509995	20.0
Anthracene, 2-m...	11.922	12.2	ng	310692	4	11.392	509995	20.0
Naphtho[1,2-b]n...	12.010	9.4	ng	240618	4	11.392	509995	20.0
Phenanthrene, 1...	12.033	4.0	ng	101821	4	11.392	509995	20.0
Naphthalene, 2-...	12.192	3.3	ng	84752	4	11.392	509995	20.0
Phenanthrene, 2...	12.451	8.4	ng	214803	4	11.392	509995	20.0
Phenanthrene, 3...	12.486	4.9	ng	125815	4	11.392	509995	20.0
9,10-Dimethylan...	12.539	4.2	ng	107542	4	11.392	509995	20.0
11H-Benzo[b]flu...	13.174	4.6	ng	167273	5	14.057	732936	20.0
7H-Benz[de]anth...	13.898	5.2	ng	192205	5	14.057	732936	20.0