

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
 Data File : BF141831.D
 Acq On : 04 Mar 2025 17:16
 Operator : RC/JU
 Sample : Q1480-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

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-BF022725.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141831.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.181	8	15	22	rBV	700019	1093686	7.89%	0.594%
2	5.498	572	579	584	rBV	1760556	2332112	16.83%	1.266%
3	6.498	743	749	759	rBV	1750631	2349830	16.96%	1.276%
4	6.886	809	815	820	rBV	1189872	1481166	10.69%	0.804%
5	7.063	841	845	851	rVB	131347	166734	1.20%	0.091%
6	7.439	902	909	914	rBV	1131174	1418507	10.24%	0.770%
7	8.163	1026	1032	1041	rBV2	1450023	2699678	19.49%	1.466%
8	8.875	1148	1153	1158	rBV	502412	611094	4.41%	0.332%
9	8.975	1165	1170	1175	rVB	425163	522068	3.77%	0.283%
10	9.233	1209	1214	1220	rVB	1860008	2384009	17.21%	1.294%
11	9.498	1254	1259	1264	rBV	224137	359481	2.59%	0.195%
12	9.575	1267	1272	1275	rVV	261993	375025	2.71%	0.204%
13	9.692	1286	1292	1301	rVB2	117854	216995	1.57%	0.118%
14	9.780	1301	1307	1314	rBV	967062	1246112	8.99%	0.676%
15	9.916	1322	1330	1333	rBV	1388330	1868804	13.49%	1.015%
16	9.951	1333	1336	1340	rVB	1284147	1501878	10.84%	0.815%
17	10.122	1360	1365	1369	rBV	968422	1184297	8.55%	0.643%
18	10.233	1377	1384	1387	rBV4	172718	341625	2.47%	0.185%
19	10.469	1412	1424	1429	rVB	1930336	2693524	19.44%	1.462%
20	10.533	1429	1435	1438	rBV2	96224	168285	1.21%	0.091%
21	10.622	1446	1450	1458	rVB3	407341	597946	4.32%	0.325%
22	10.704	1458	1464	1469	rBV3	1245119	1783467	12.87%	0.968%
23	10.827	1480	1485	1491	rVB	161855	217868	1.57%	0.118%
24	11.010	1508	1516	1520	rBV2	434371	718141	5.18%	0.390%
25	11.098	1527	1531	1534	rBV	168194	207666	1.50%	0.113%
26	11.139	1534	1538	1540	rVV	153956	210671	1.52%	0.114%
27	11.163	1540	1542	1547	rVV	206103	310603	2.24%	0.169%
28	11.210	1547	1550	1554	rVV2	149888	207748	1.50%	0.113%
29	11.251	1554	1557	1562	rVV2	199192	362545	2.62%	0.197%
30	11.298	1562	1565	1571	rVB	437520	579935	4.19%	0.315%
31	11.433	1578	1588	1592	rBV2	5598760	8870828	64.03%	4.816%
32	11.480	1592	1596	1600	rBV	2639529	3243285	23.41%	1.761%
33	11.627	1615	1621	1624	rBV	343036	502518	3.63%	0.273%
34	11.698	1629	1633	1637	rVV3	210030	272440	1.97%	0.148%
35	11.904	1662	1668	1670	rVV	709152	990451	7.15%	0.538%
36	11.933	1670	1673	1677	rVV	1278781	1628041	11.75%	0.884%

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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-BF022725.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.980	1677	1681	1684	rVV	682395	870958	6.29%	0.473%
38	12.021	1684	1688	1695	rVB	2639307	3962683	28.60%	2.151%
39	12.104	1695	1702	1705	rBV2	150238	269480	1.95%	0.146%
40	12.198	1714	1718	1725	rVB	441449	689006	4.97%	0.374%
41	12.380	1746	1749	1751	rBV	163173	177626	1.28%	0.096%
42	12.457	1757	1762	1765	rBV	566551	838233	6.05%	0.455%
43	12.498	1765	1769	1774	rVV	560469	1049425	7.57%	0.570%
44	12.551	1774	1778	1784	rVB3	264601	491392	3.55%	0.267%
45	12.627	1784	1791	1796	rBV	9578332	13853891	100.00%	7.521%
46	12.674	1796	1799	1802	rVV2	249821	442057	3.19%	0.240%
47	12.715	1802	1806	1810	rVV	1249340	1663711	12.01%	0.903%
48	12.768	1811	1815	1822	rVB3	417632	928931	6.71%	0.504%
49	12.857	1822	1830	1834	rBV2	7907604	13563161	97.90%	7.363%
50	12.898	1834	1837	1842	rVB2	465695	624955	4.51%	0.339%
51	12.986	1844	1852	1859	rVB3	1674400	3505231	25.30%	1.903%
52	13.063	1859	1865	1873	rBV3	1046140	2185708	15.78%	1.187%
53	13.174	1873	1884	1888	rBV	2823264	5056766	36.50%	2.745%
54	13.245	1888	1896	1899	rBV	2765376	3916872	28.27%	2.126%
55	13.280	1899	1902	1908	rVB2	1340699	1870048	13.50%	1.015%
56	13.339	1908	1912	1914	rBV2	217700	310100	2.24%	0.168%
57	13.368	1914	1917	1920	rVV	508569	704072	5.08%	0.382%
58	13.404	1920	1923	1928	rVB2	574239	800903	5.78%	0.435%
59	13.574	1944	1952	1959	rBV6	610510	1775502	12.82%	0.964%
60	13.657	1962	1966	1969	rBV2	566670	974011	7.03%	0.529%
61	13.792	1984	1989	1992	rBV	1013619	1614331	11.65%	0.876%
62	13.821	1992	1994	1996	rVV	490494	506753	3.66%	0.275%
63	13.962	2014	2018	2024	rBV2	256841	377704	2.73%	0.205%
64	14.039	2024	2031	2035	rBV2	7035406	13096948	94.54%	7.110%
65	14.074	2035	2037	2043	rVB	5452552	6951455	50.18%	3.774%
66	14.186	2052	2056	2060	rVV2	763194	962268	6.95%	0.522%
67	14.227	2060	2063	2066	rVV2	397396	459744	3.32%	0.250%
68	14.262	2066	2069	2073	rVB2	604944	773502	5.58%	0.420%
69	14.368	2083	2087	2088	rBV3	308586	386853	2.79%	0.210%
70	14.427	2093	2097	2100	rVV	1637233	2661770	19.21%	1.445%
71	14.462	2100	2103	2107	rVV2	847155	1254480	9.06%	0.681%
72	14.521	2109	2113	2116	rVV2	1120629	1951890	14.09%	1.060%
73	14.557	2116	2119	2120	rVV2	1003784	1310768	9.46%	0.712%
74	14.574	2120	2122	2126	rVV3	1324755	1601839	11.56%	0.870%
75	14.627	2127	2131	2136	rVB3	376402	608410	4.39%	0.330%
76	14.745	2147	2151	2152	rBV3	294475	382317	2.76%	0.208%

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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

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Peak separation: 5

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.815	2160	2163	2166	rBV2	241801	332044	2.40%	0.180%
78	14.927	2178	2182	2189	rVB	365377	637089	4.60%	0.346%
79	15.098	2204	2211	2220	rBV	4891200	13084737	94.45%	7.103%
80	15.198	2224	2228	2234	rVB	1315437	1899946	13.71%	1.031%
81	15.304	2239	2246	2250	rBV3	332827	874526	6.31%	0.475%
82	15.398	2256	2262	2268	rVB	2751676	4779531	34.50%	2.595%
83	15.468	2268	2274	2279	rVB	4282673	6920347	49.95%	3.757%
84	15.521	2279	2283	2286	rBV	947446	1586033	11.45%	0.861%
85	15.556	2286	2289	2296	rVB2	1407145	2185301	15.77%	1.186%
86	16.086	2376	2379	2390	rVB2	423764	754884	5.45%	0.410%
87	16.239	2401	2405	2409	rBV	183568	299931	2.16%	0.163%
88	17.015	2529	2537	2544	rVB2	1750288	3938675	28.43%	2.138%
89	17.186	2561	2566	2572	rBV	344131	700890	5.06%	0.380%
90	17.250	2572	2577	2582	rBV2	284900	571225	4.12%	0.310%
91	17.468	2605	2614	2630	rVB	1229524	3168272	22.87%	1.720%
92	17.698	2647	2653	2669	rVB2	461791	1324921	9.56%	0.719%

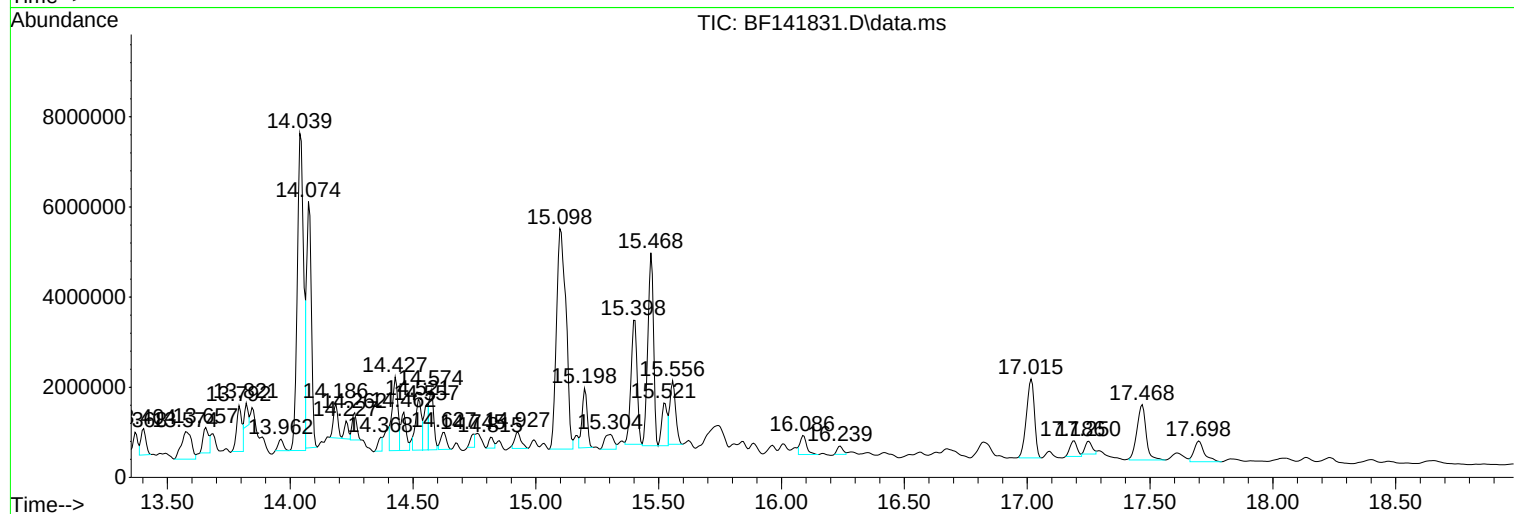
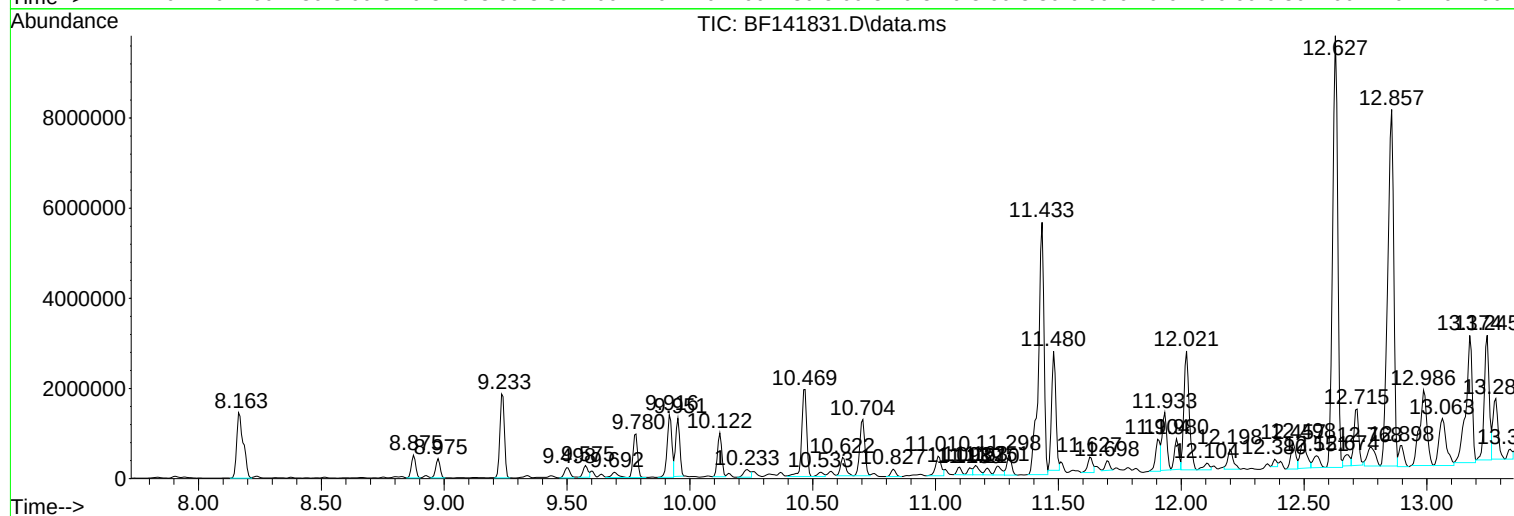
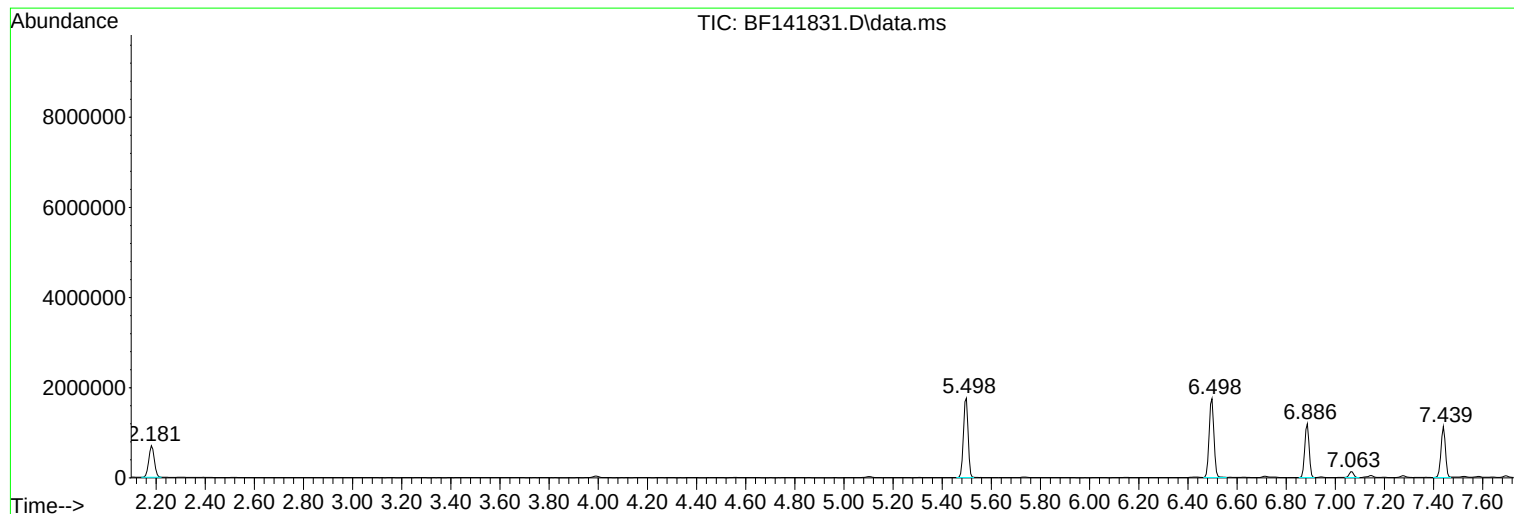
Sum of corrected areas: 184203169

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.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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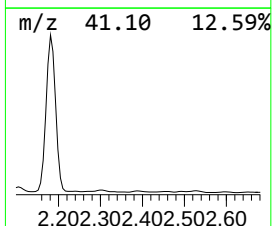
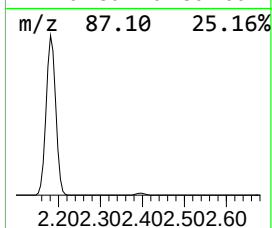
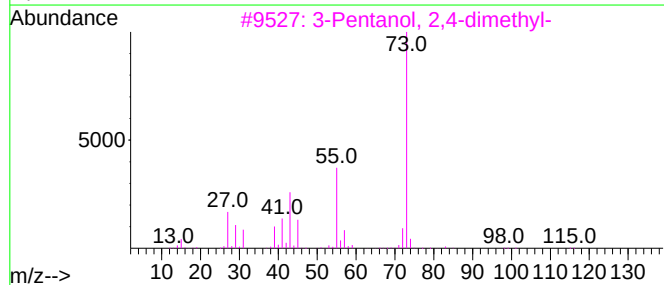
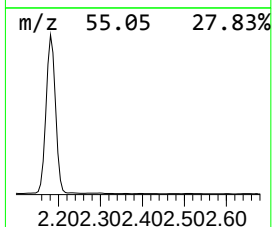
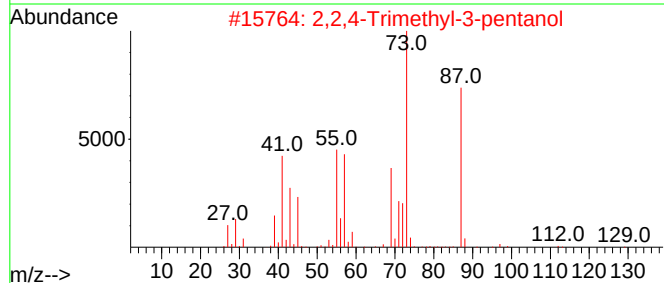
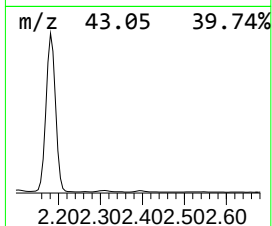
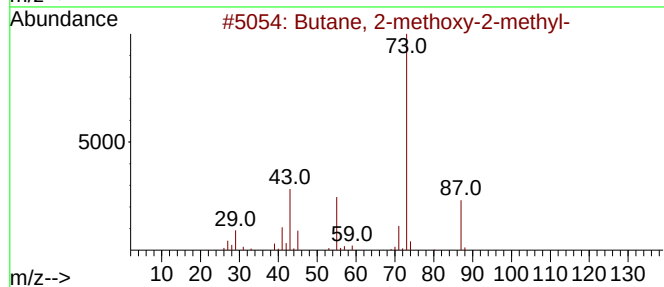
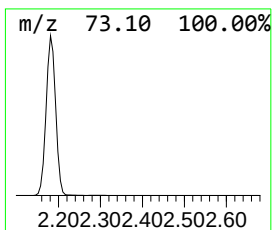
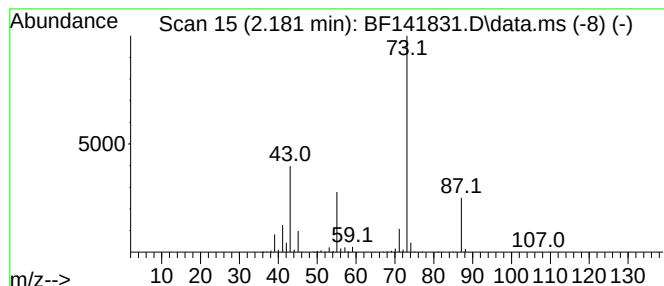
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.181	14.77 ng	1093690	1,4-Dichlorobenzene-d4	6.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3			3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	27
5			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25



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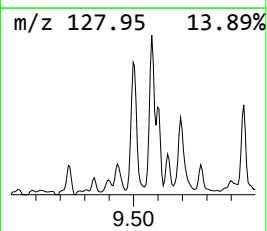
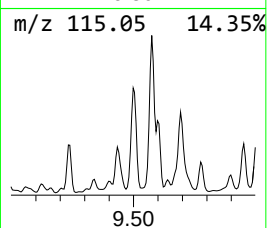
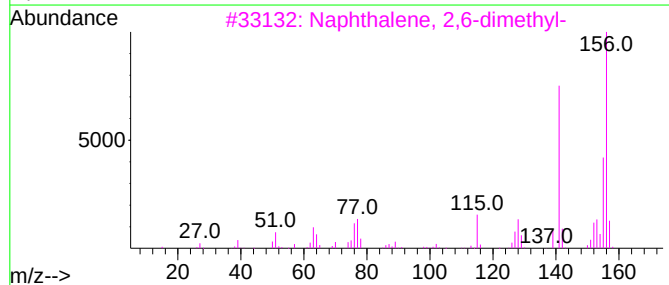
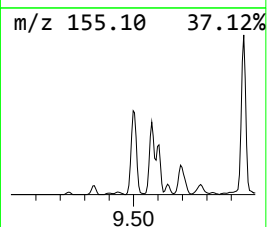
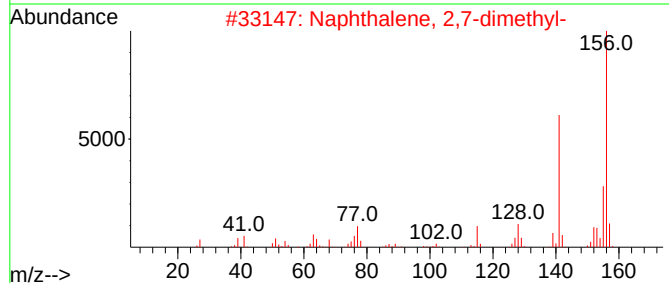
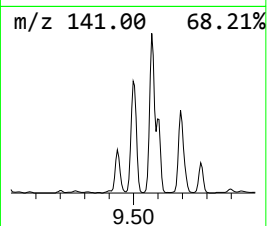
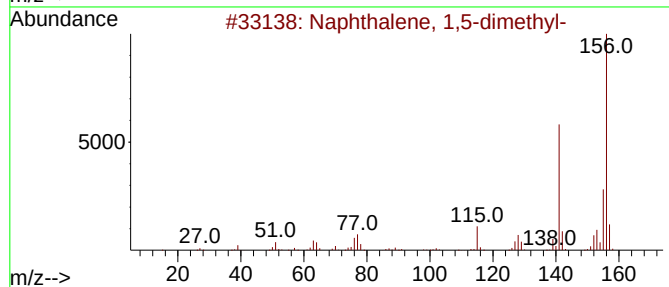
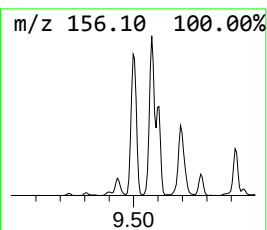
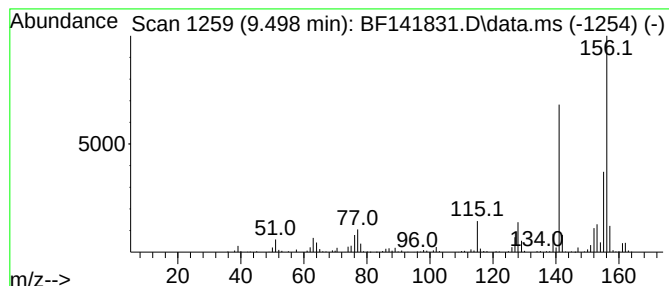
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Naphthalene, 1,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.498	3.85 ng	359481	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



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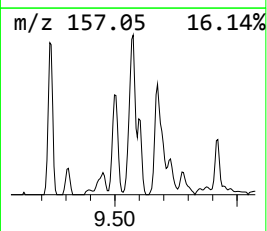
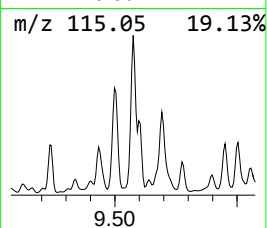
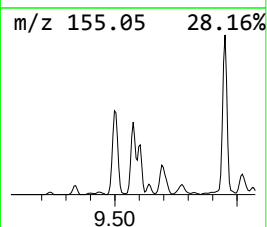
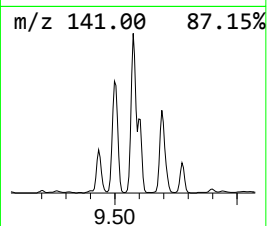
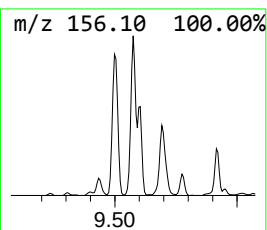
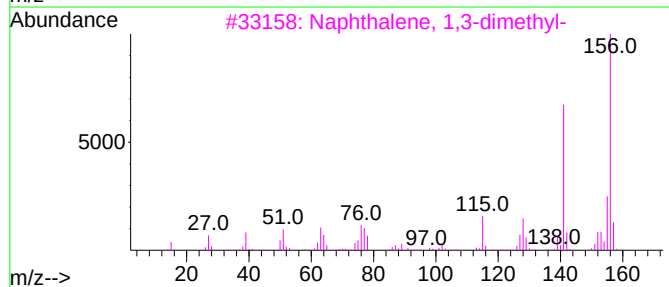
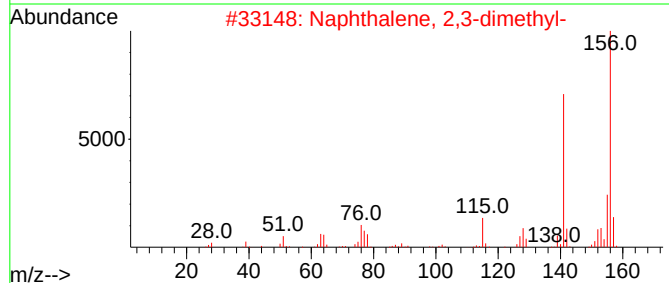
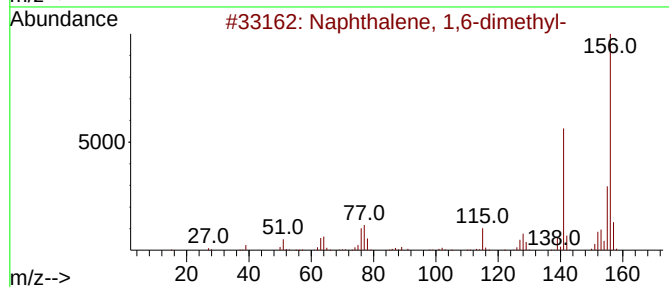
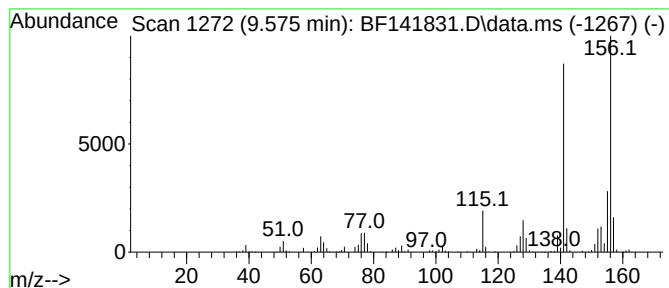
Instrument :
BNA_F
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.575	4.01 ng	375025	Acenaphthene-d10	9.916	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
Acq On : 04 Mar 2025 17:16
Operator : RC/JU
Sample : Q1480-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

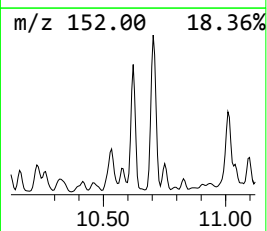
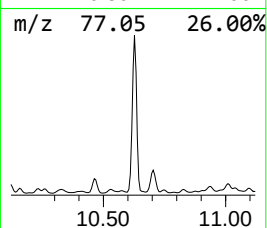
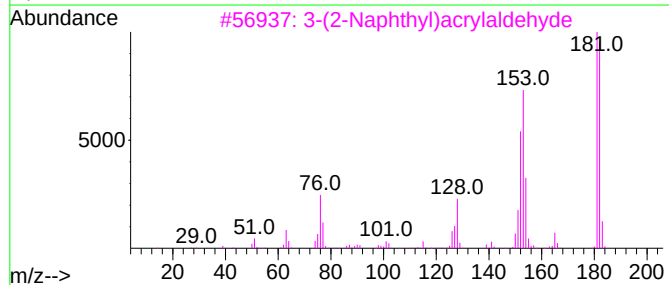
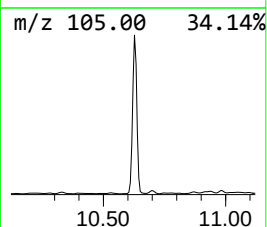
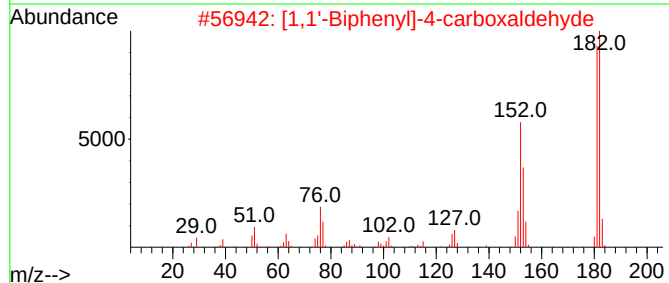
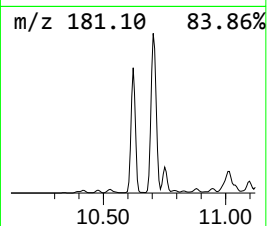
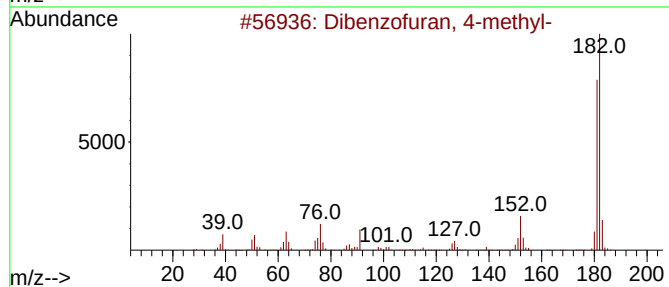
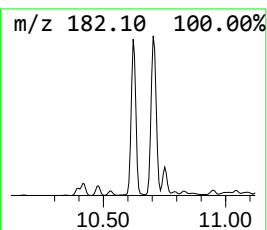
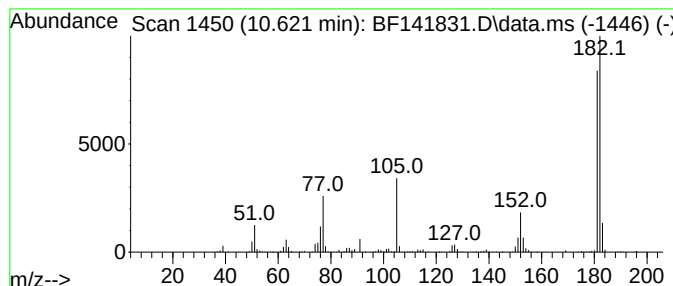
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.621	6.40 ng	597946	Acenaphthene-d10	9.916	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	95
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
3	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	64
4	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	58
5	Norharmene, N-methyl-	182	C12H10N2	1010374-78-6	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
Acq On : 04 Mar 2025 17:16
Operator : RC/JU
Sample : Q1480-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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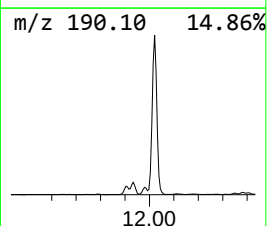
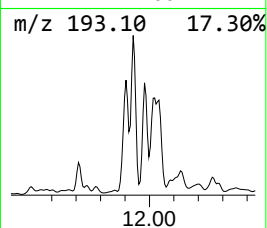
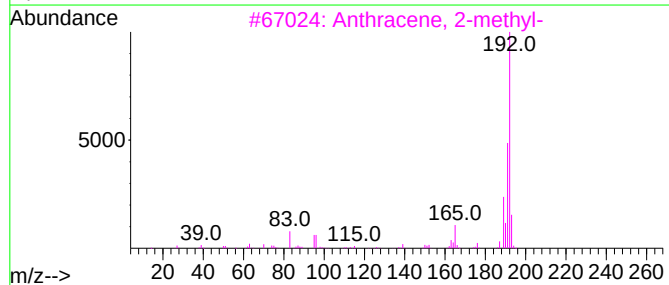
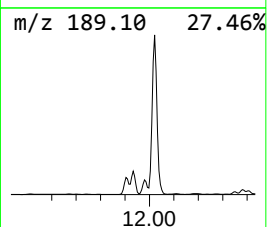
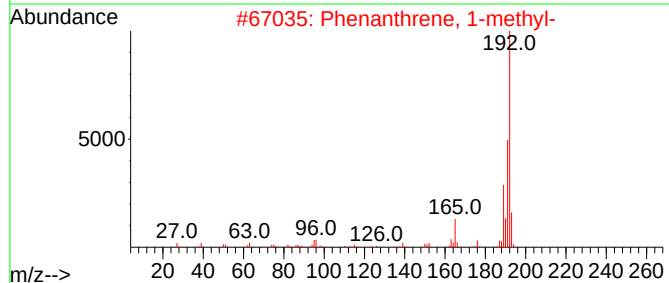
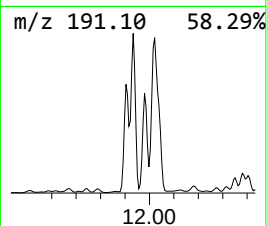
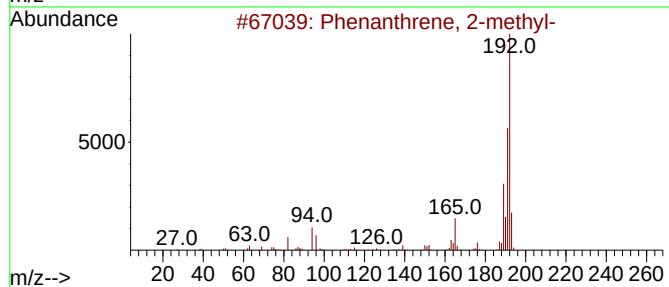
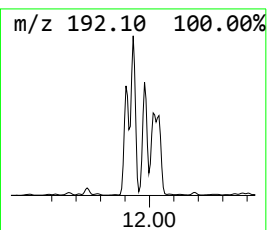
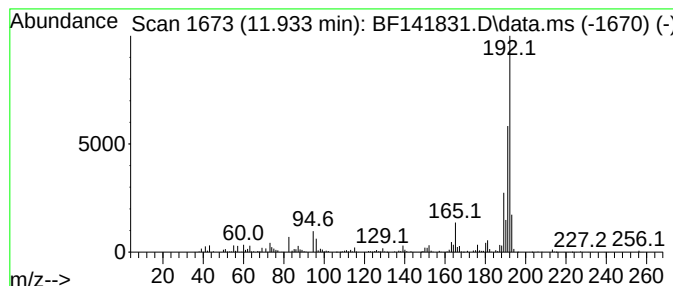
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	3.67 ng	1628040	Phenanthrene-d10	11.404

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			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
Acq On : 04 Mar 2025 17:16
Operator : RC/JU
Sample : Q1480-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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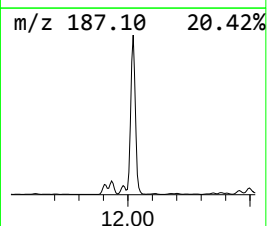
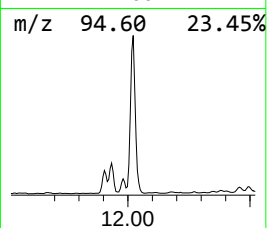
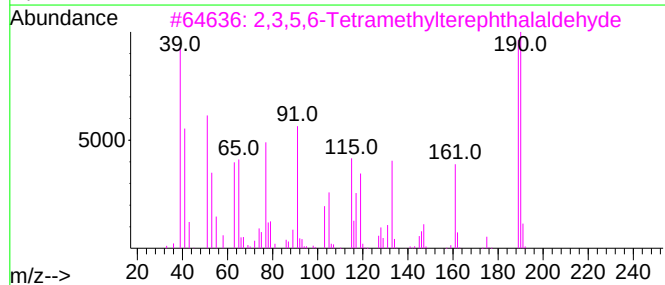
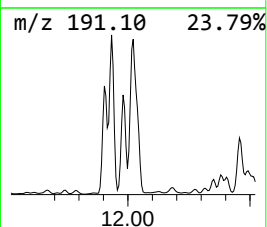
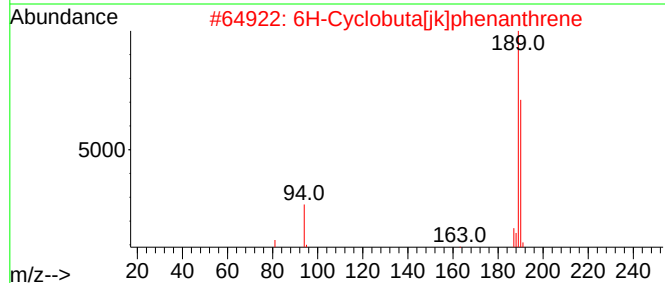
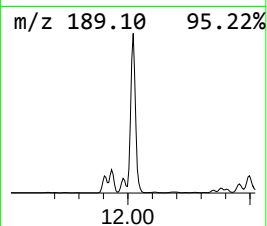
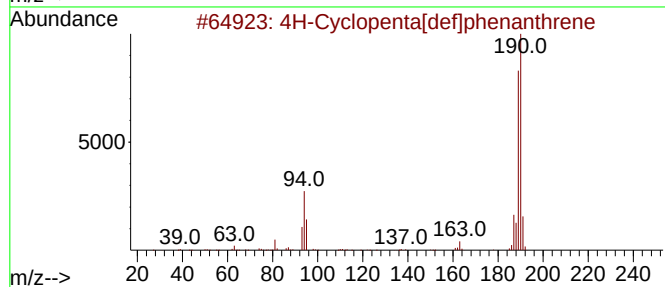
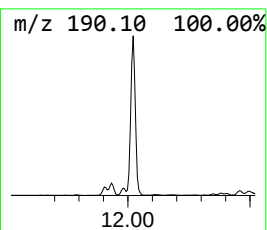
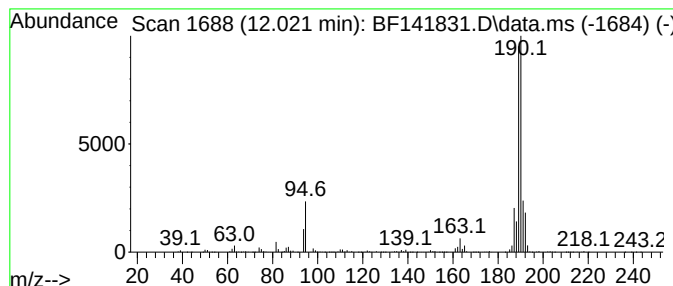
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.021	8.93 ng	3962680	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3			2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4			Methyl diselenide	190	C2H6Se2	007101-31-7	45
5			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
Acq On : 04 Mar 2025 17:16
Operator : RC/JU
Sample : Q1480-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

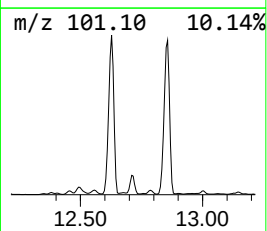
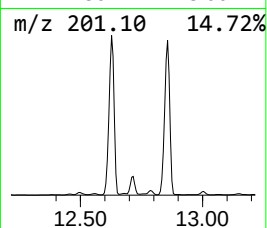
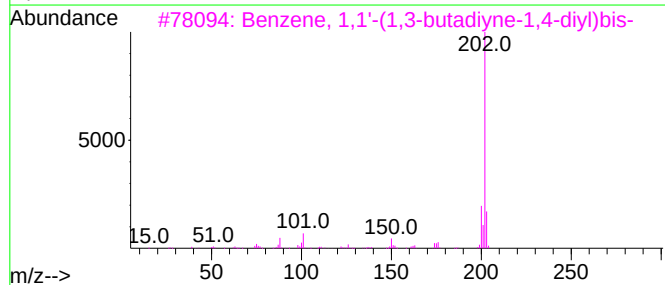
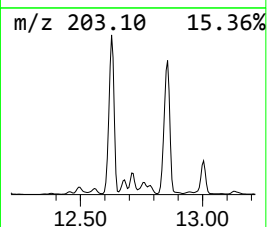
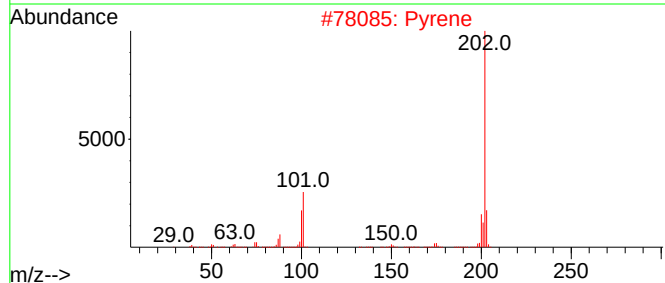
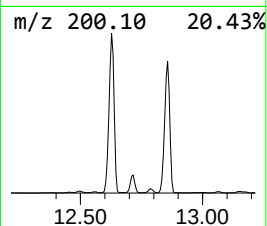
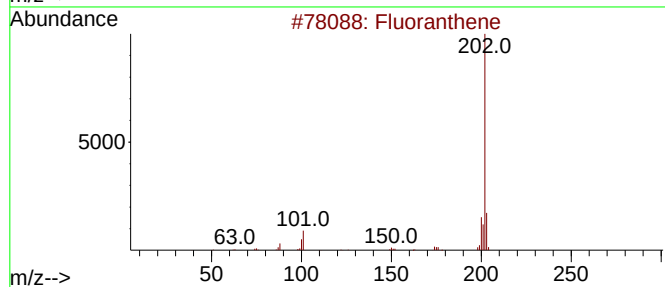
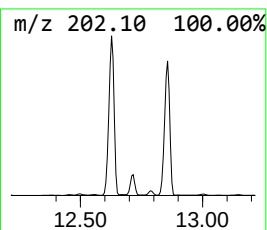
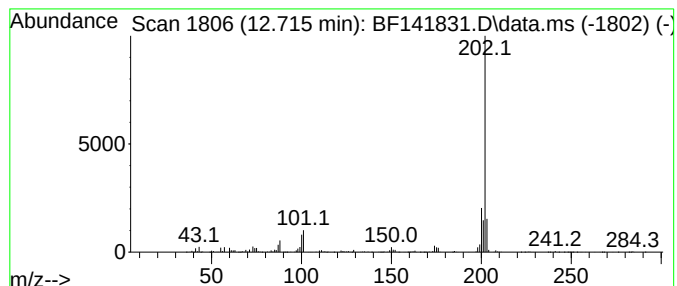
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.716	3.75 ng	1663710	Phenanthrene-d10	11.404	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	87
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	74
4	Pyrimidine, 4-methoxy-6-(2-hydro...	202	C11H10N2O2	097630-79-0	50
5	l-Leucine, N-methyl-N-(2-methoxy...	373	C20H39NO5	1000328-54-4	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
Acq On : 04 Mar 2025 17:16
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Sample : Q1480-01 2X
Misc :
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Instrument :
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ClientSampleId :
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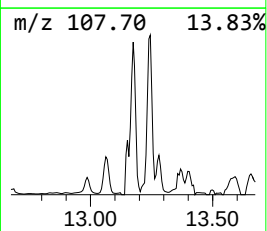
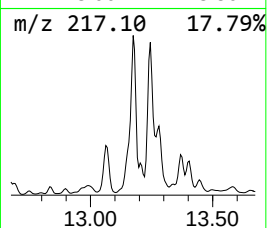
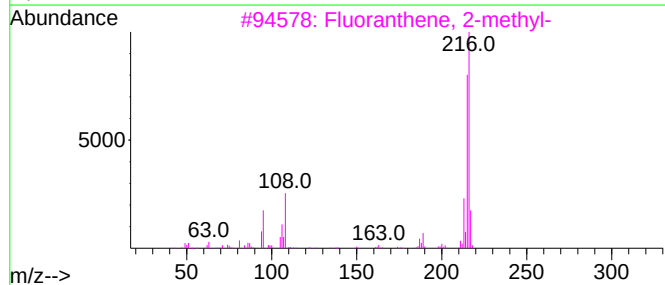
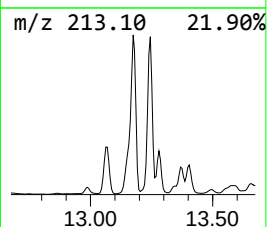
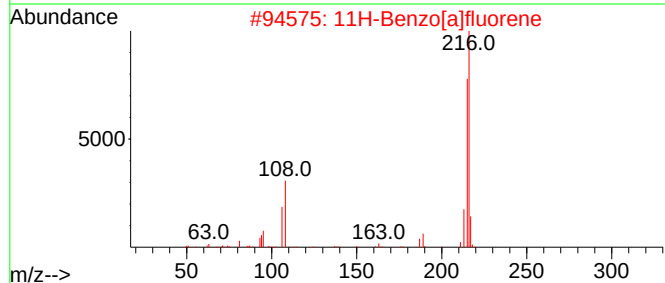
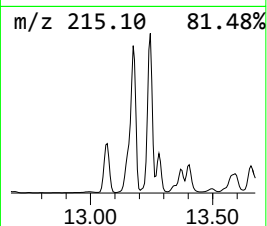
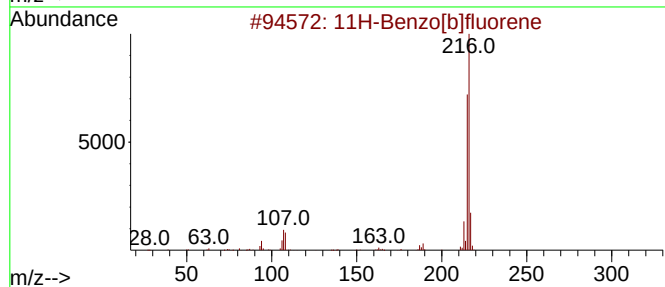
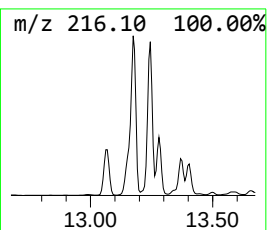
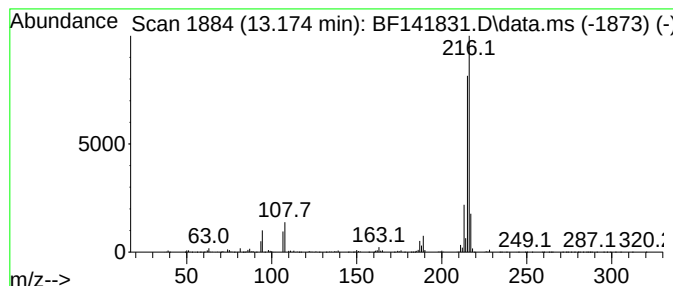
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.174	7.72 ng	5056770	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
Acq On : 04 Mar 2025 17:16
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Sample : Q1480-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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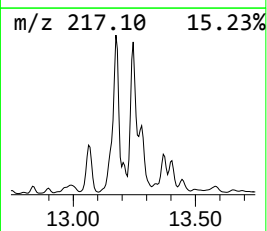
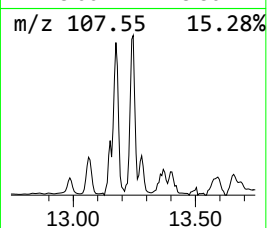
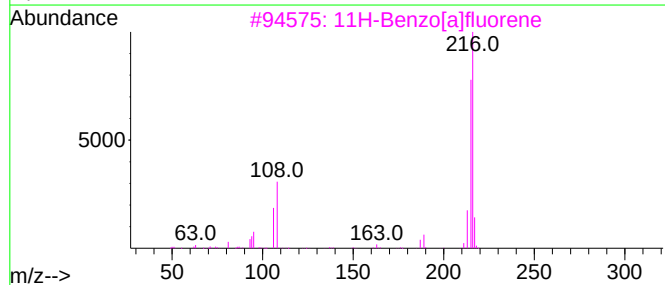
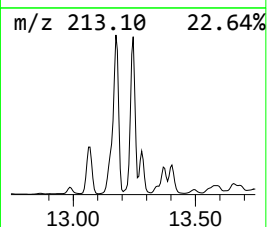
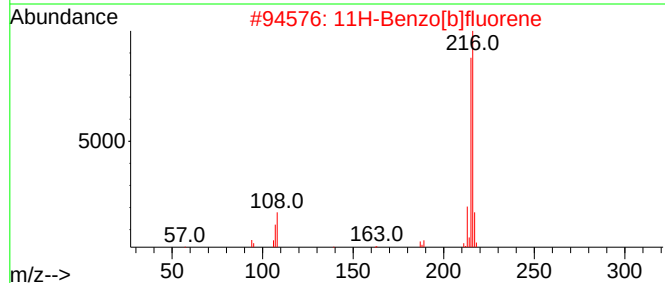
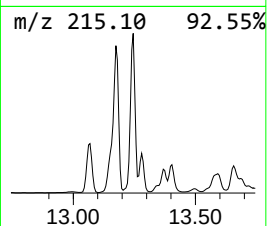
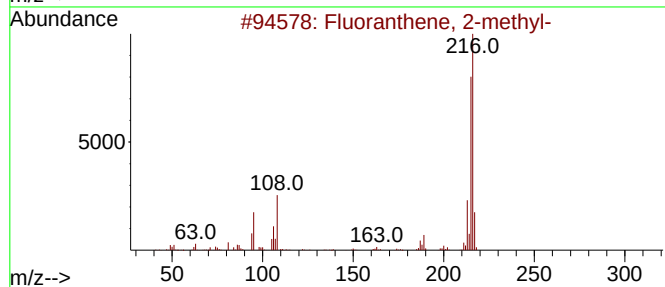
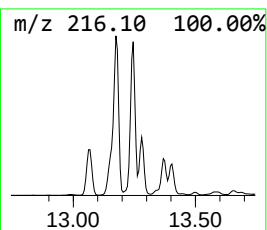
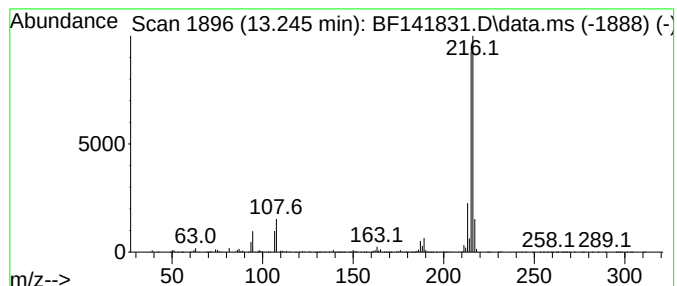
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.245	5.98 ng	3916870	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4			Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
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ALS Vial : 9 Sample Multiplier: 1

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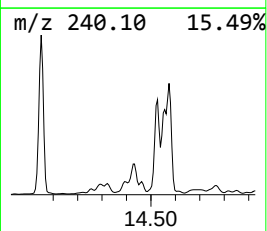
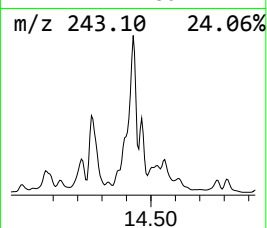
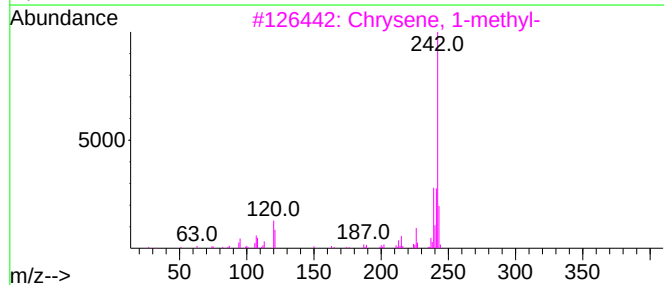
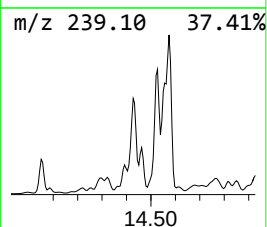
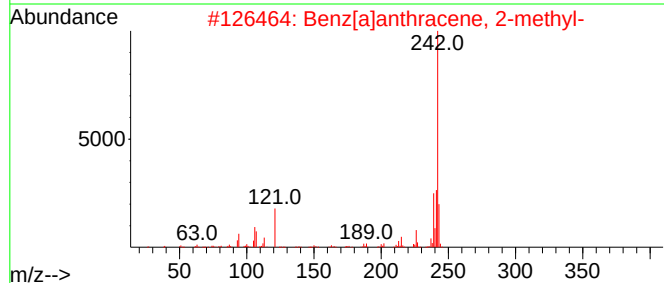
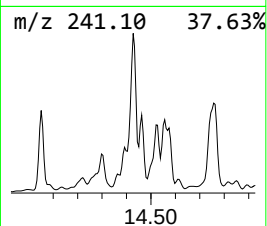
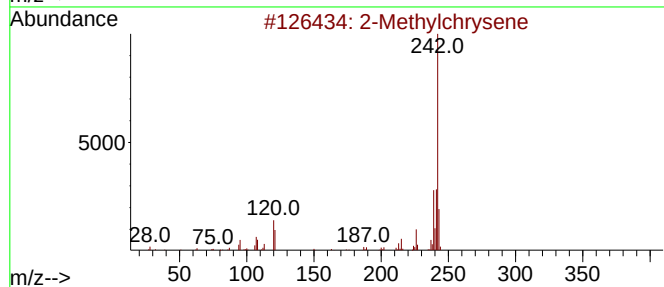
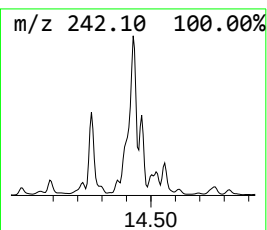
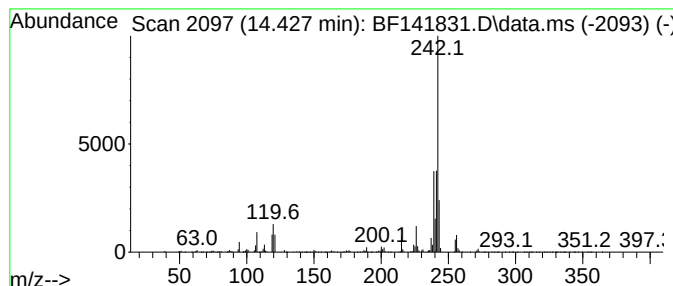
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 2-Methylchrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.427	4.06 ng	2661770	Chrysene-d12	14.051

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Methylchrysene	242	C19H14	003351-32-4	89
2			Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	89
3			Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
4			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
5			Chrysene, 5-methyl-	242	C19H14	003697-24-3	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
Acq On : 04 Mar 2025 17:16
Operator : RC/JU
Sample : Q1480-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

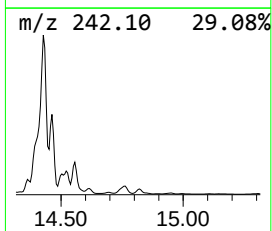
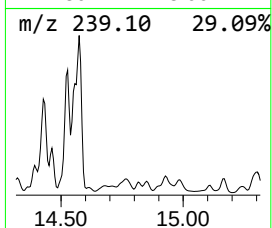
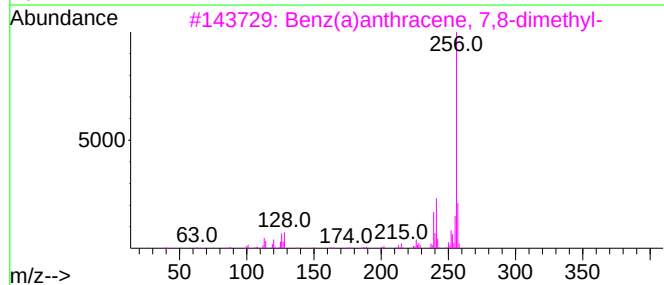
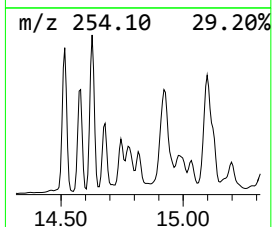
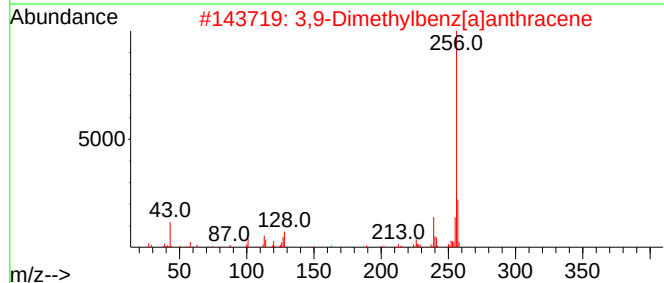
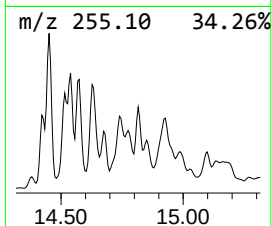
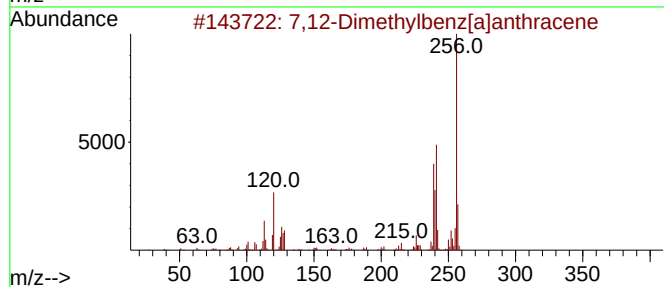
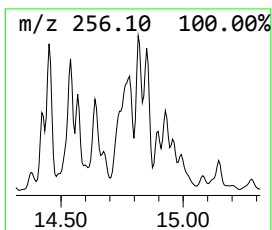
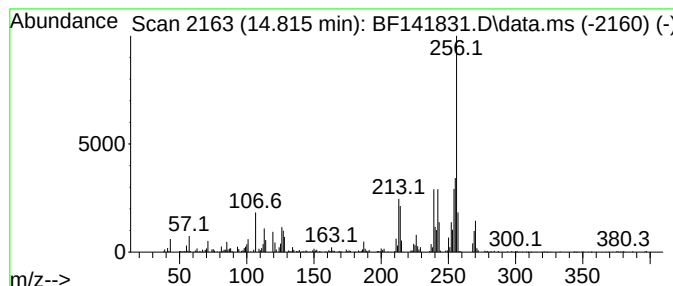
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 7,12-Dimethylbenz[a]anthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.815	4.19 ng	332044	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dimethylbenz[a]anthracene	256	C20H16	000057-97-6	60
2	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	55
3	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	50
4	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	49
5	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
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Sample : Q1480-01 2X
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Instrument :
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ClientSampleId :
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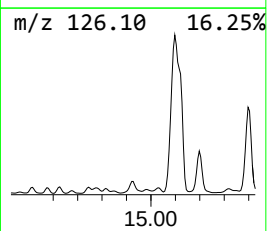
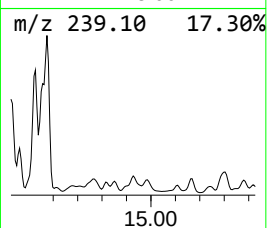
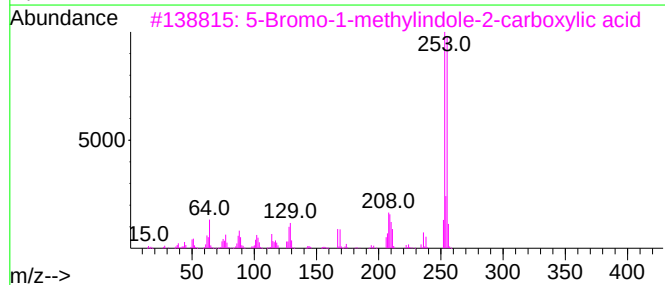
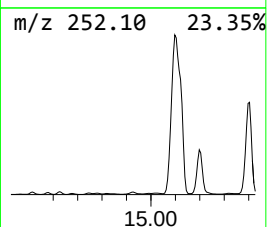
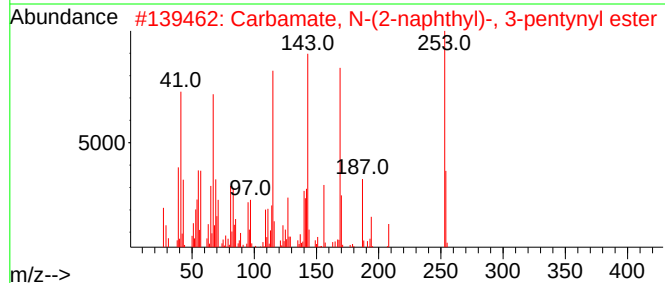
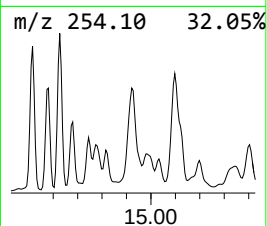
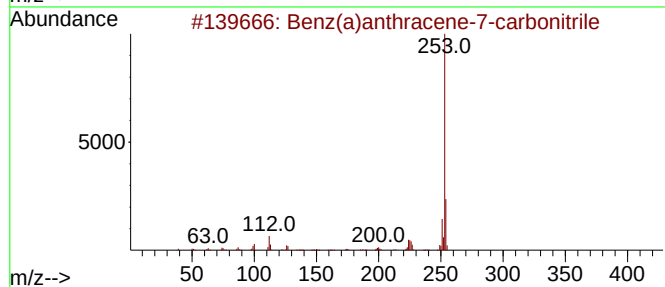
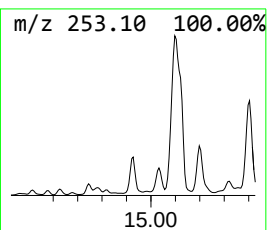
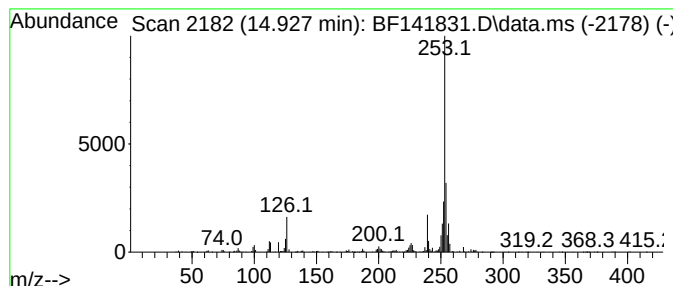
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benz(a)anthracene-7-carboni... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.927	8.03 ng	637089	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	53
2			Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	46
3			5-Bromo-1-methylindole-2-carboxy...	253	C10H8BrNO2	090766-47-5	42
4			9(10H)-anthracenone, 1,4-dimethoxy-	254	C16H14O3	1010396-70-2	40
5			5,12-ethanonaphthacene-6-carboni...	281	C21H15N	1000397-19-0	40



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
Acq On : 04 Mar 2025 17:16
Operator : RC/JU
Sample : Q1480-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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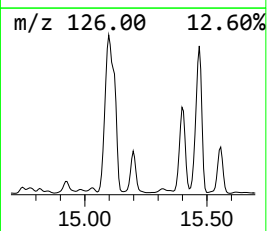
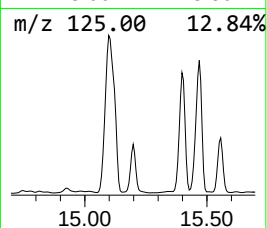
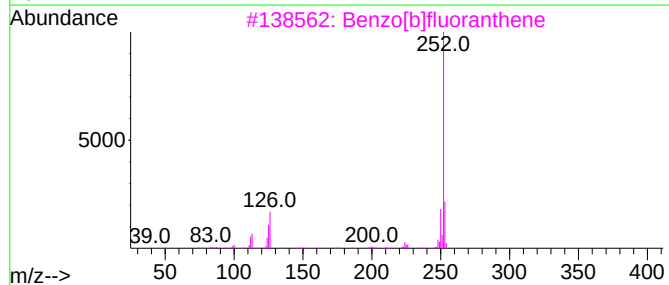
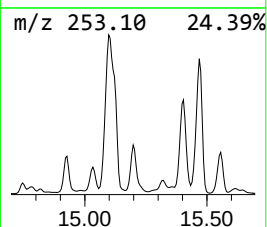
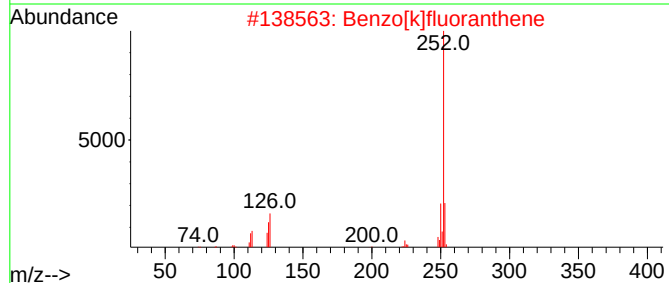
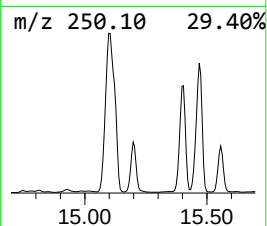
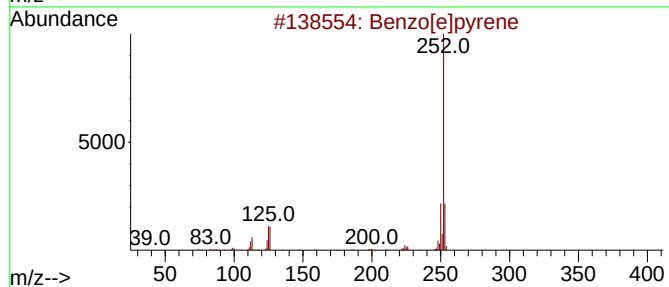
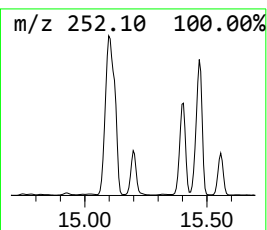
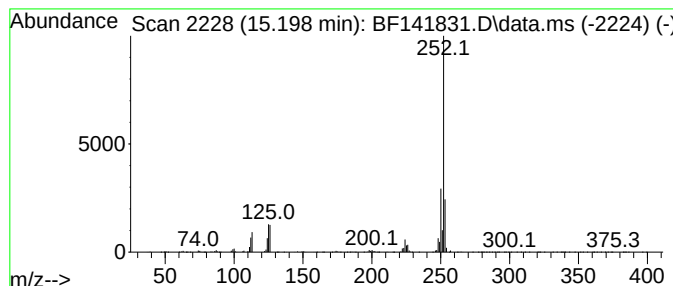
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.198	23.96 ng	1899950	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3			Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
4			Benzo[a]pyrene	252	C20H12	000050-32-8	91
5			Perylene	252	C20H12	000198-55-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
Acq On : 04 Mar 2025 17:16
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Sample : Q1480-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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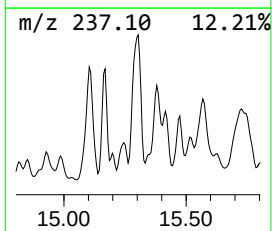
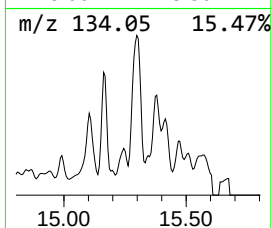
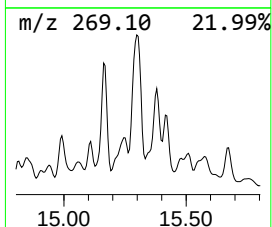
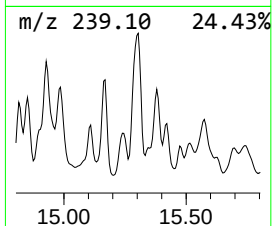
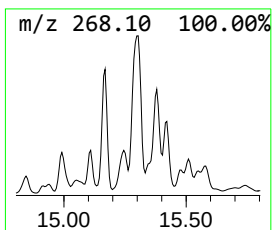
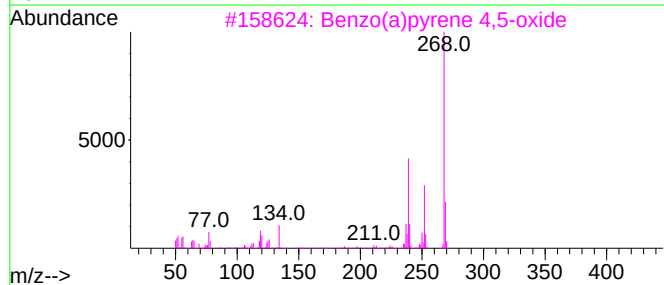
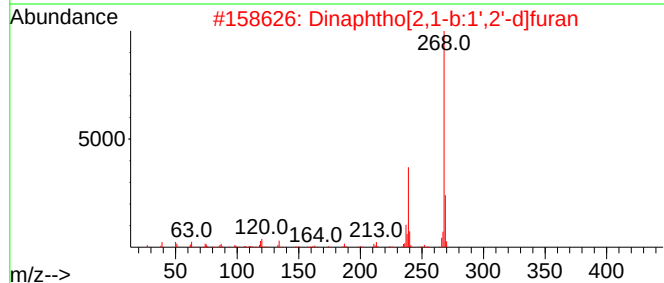
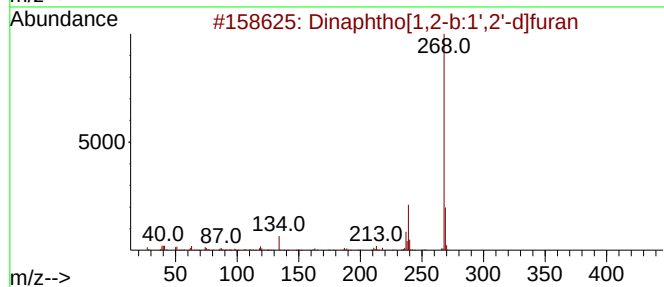
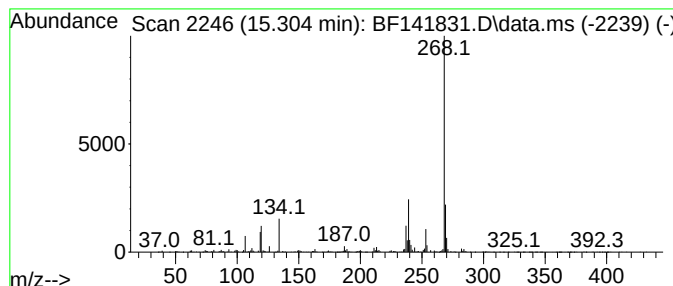
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.304	11.03 ng	874526	Perylene-d12	15.527

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	93
2		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	81
3		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4		(2E)-1,3-Bis(3-hydroxyphenyl)-2-...	268	C17H16O3	1000504-86-0	60
5		9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
Acq On : 04 Mar 2025 17:16
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Sample : Q1480-01 2X
Misc :
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Instrument :
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ClientSampleId :
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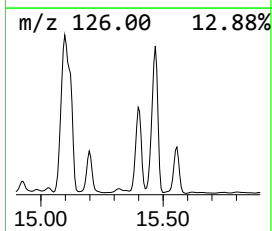
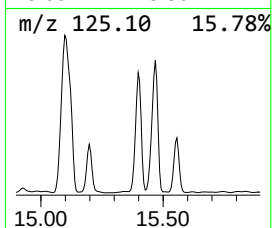
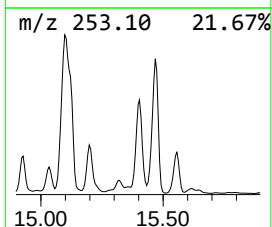
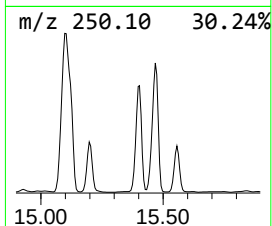
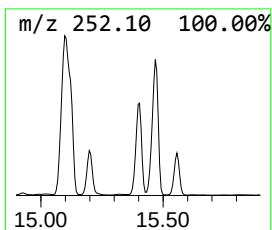
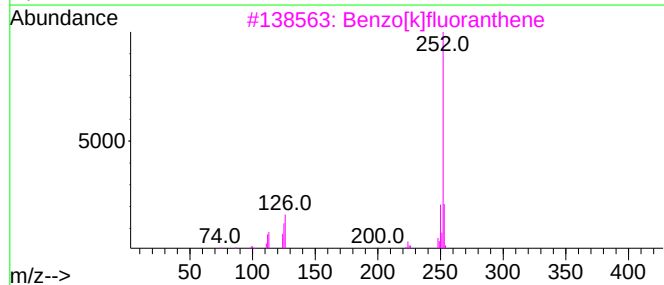
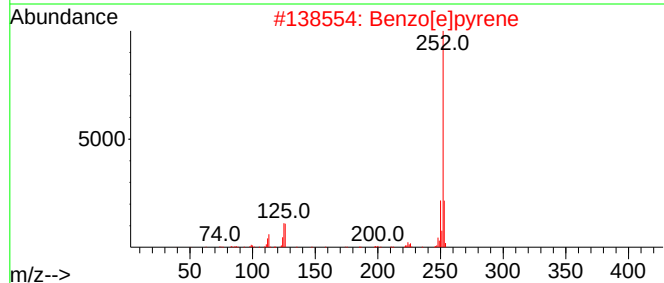
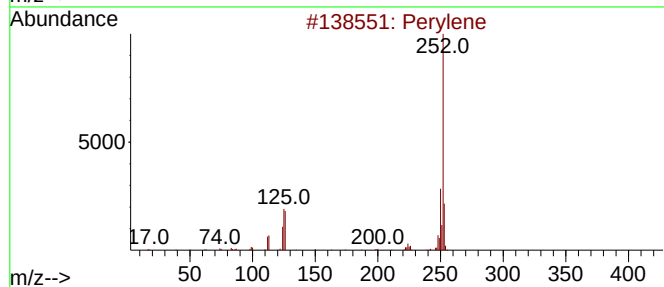
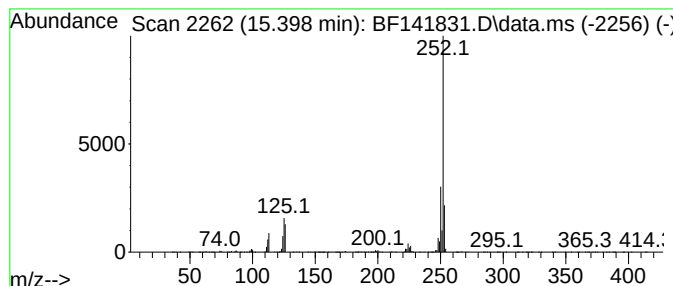
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.398	60.27 ng	4779530	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Perylene	252	C20H12	000198-55-0	99
2			Benzo[e]pyrene	252	C20H12	000192-97-2	98
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4			Benzo[a]pyrene	252	C20H12	000050-32-8	93
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
Acq On : 04 Mar 2025 17:16
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Sample : Q1480-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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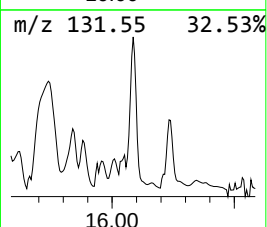
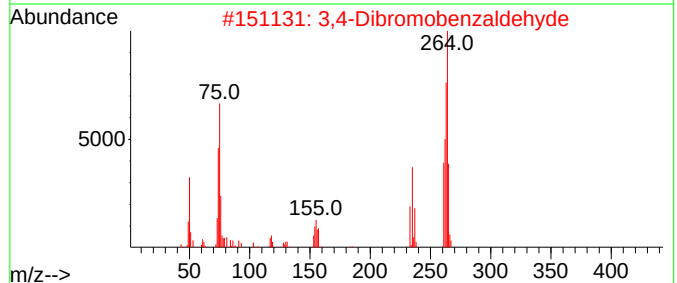
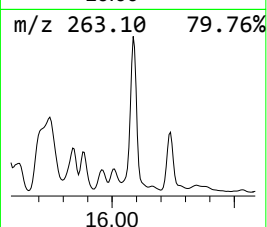
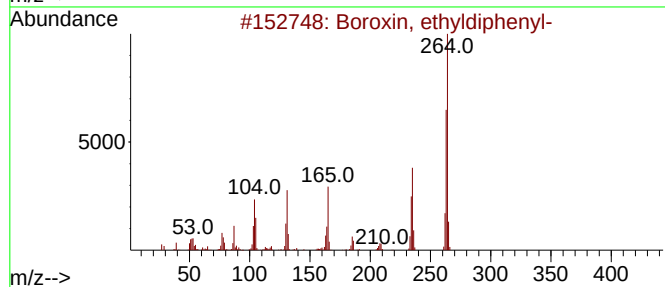
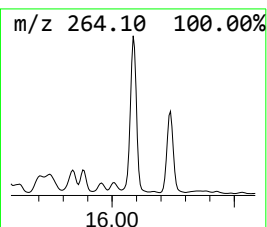
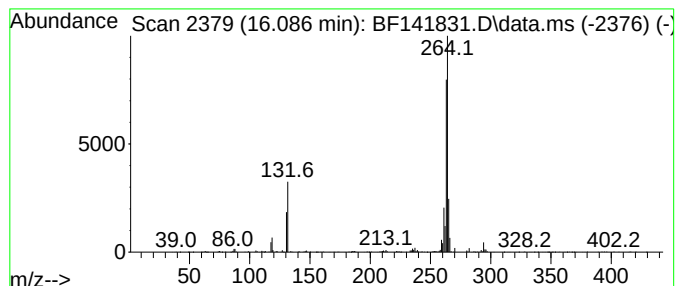
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Boroxin, ethyldiphenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.086	9.52 ng	754884	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	64
2			3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	64
3			1-(4-Methoxyphenyl)-5-methyl-4-p...	264	C17H16N2O	1000436-38-1	53
4			2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	53
5			1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10C1N3S	068364-67-0	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
Acq On : 04 Mar 2025 17:16
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Sample : Q1480-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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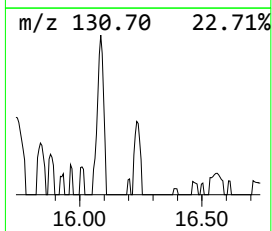
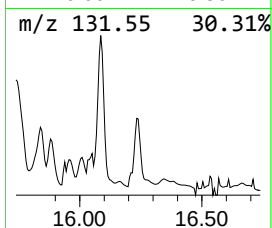
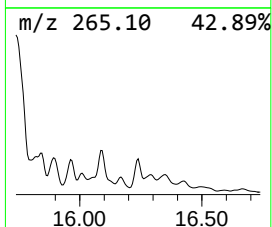
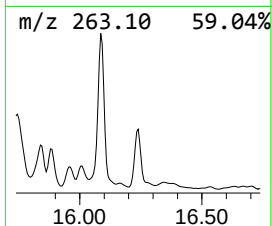
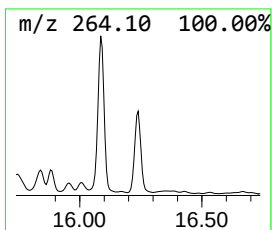
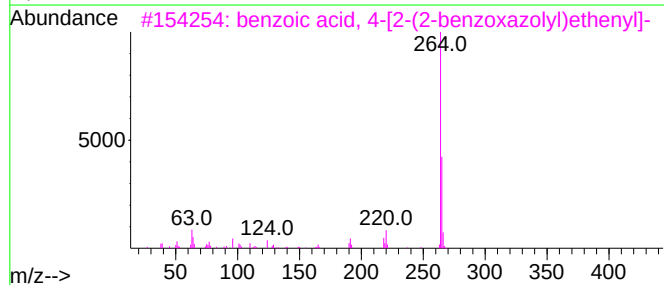
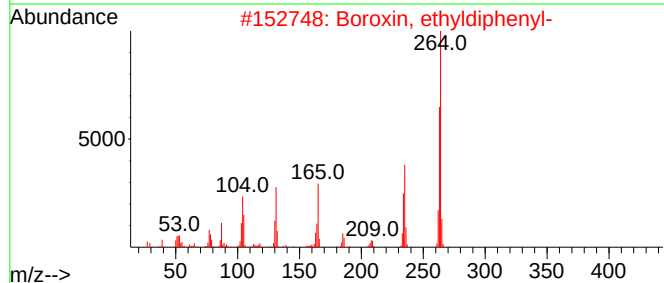
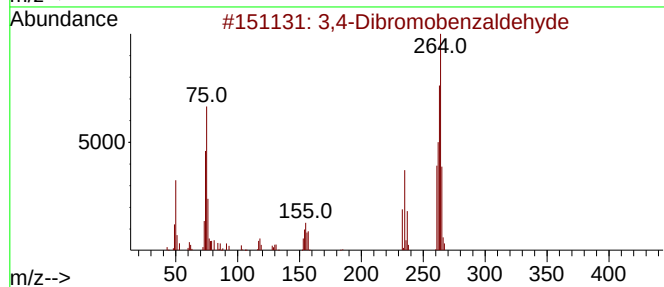
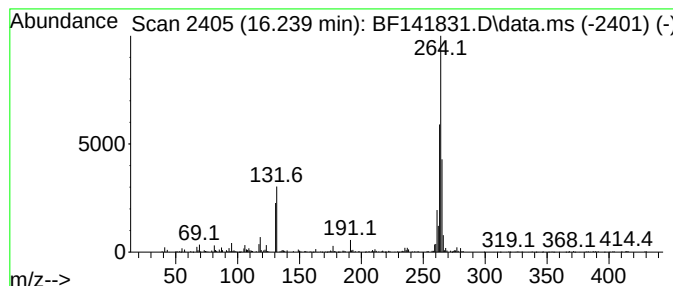
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 3,4-Dibromobenzaldehyde Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.239	3.78 ng	299931	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	58
2			Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	49
3			benzoic acid, 4-[2-(2-benzoxazol...	265	C16H11NO3	1000401-63-2	38
4			2-Oxo-6-phenyl-4-(4-hydroxypheny...	264	C16H12N2O2	161200-20-0	35
5			11-Methyl-10-phenyl-1,7,8,12-tet...	264	C15H12N4O	1000387-98-4	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
Acq On : 04 Mar 2025 17:16
Operator : RC/JU
Sample : Q1480-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

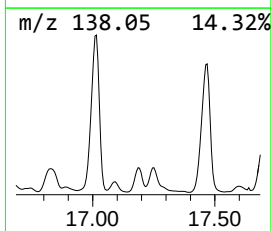
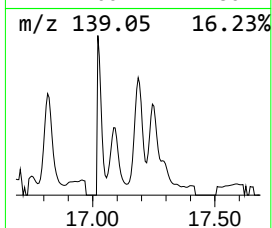
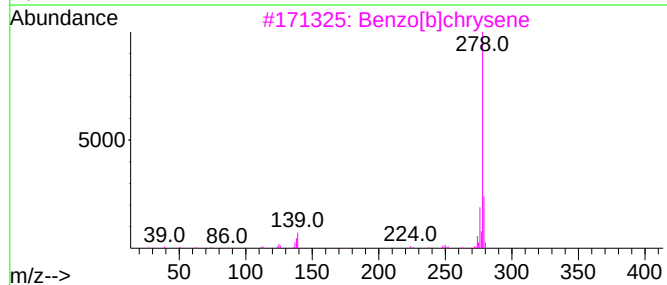
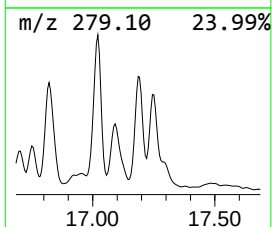
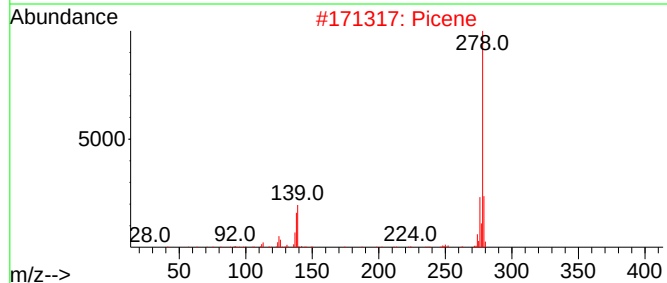
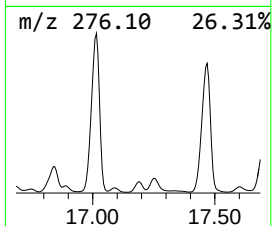
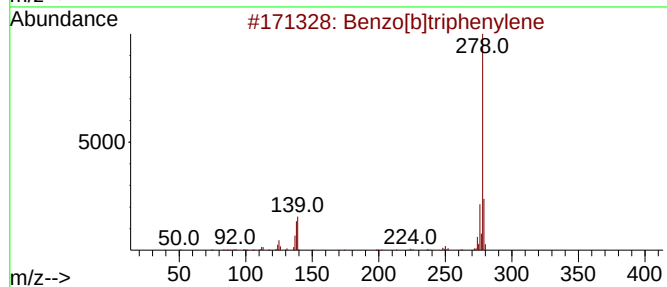
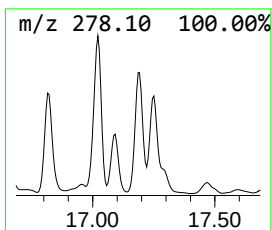
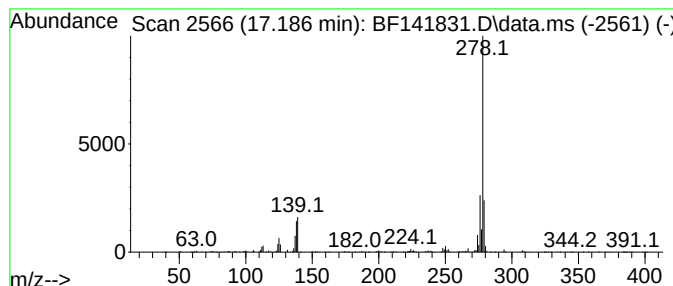
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[b]triphenylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.186	8.84 ng	700890	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	99
2			Picene	278	C22H14	000213-46-7	98
3			Benzo[b]chrysene	278	C22H14	000214-17-5	98
4			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
5			Pentaphene	278	C22H14	000222-93-5	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
Acq On : 04 Mar 2025 17:16
Operator : RC/JU
Sample : Q1480-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

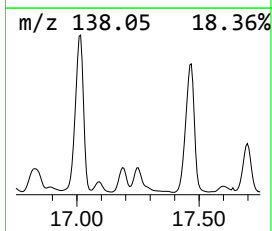
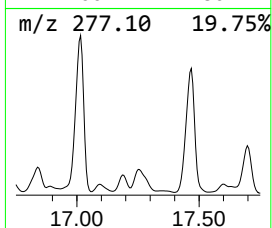
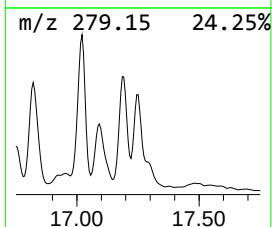
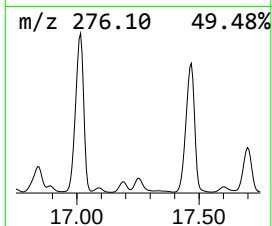
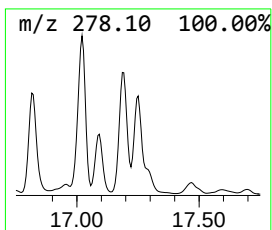
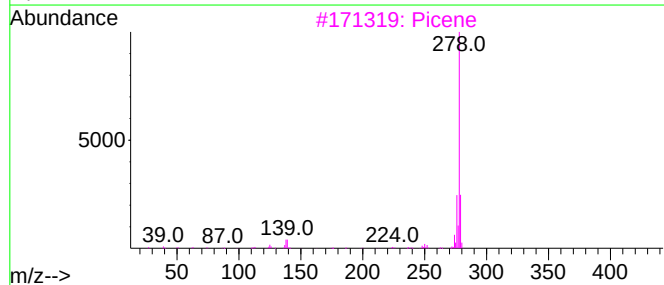
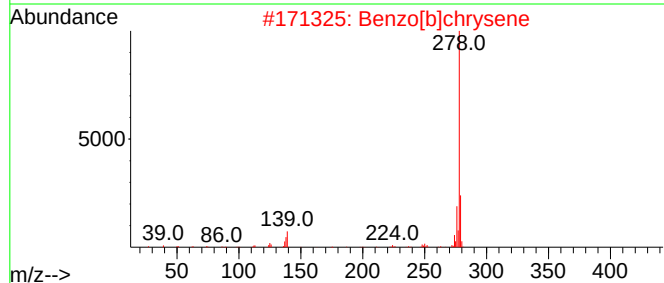
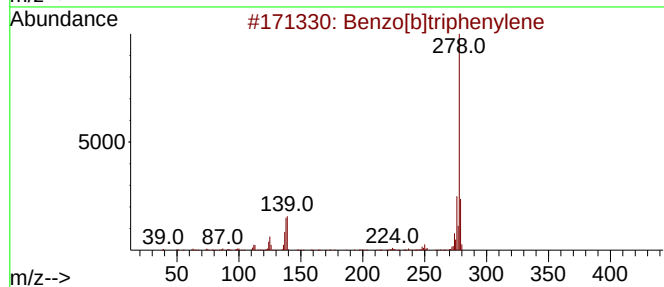
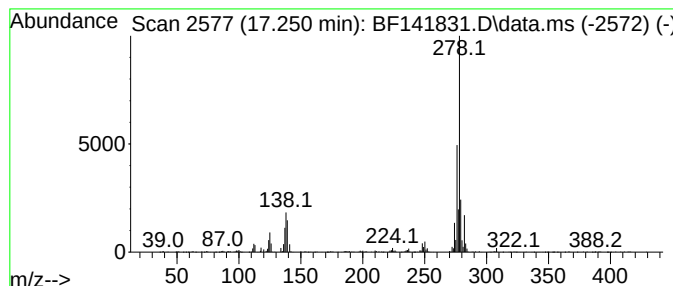
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]chrysene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.250	7.20 ng	571225	Perylene-d12	15.527	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2	Benzo[b]chrysene	278	C22H14	000214-17-5	78
3	Picene	278	C22H14	000213-46-7	78
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	60
5	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141831.D
Acq On : 04 Mar 2025 17:16
Operator : RC/JU
Sample : Q1480-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-1

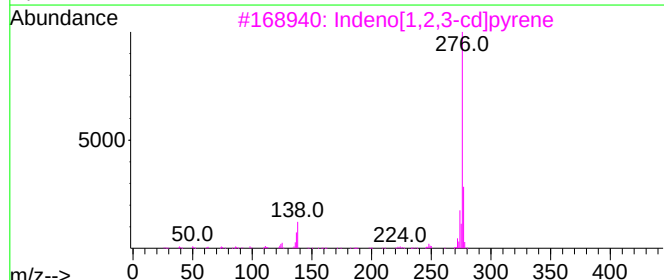
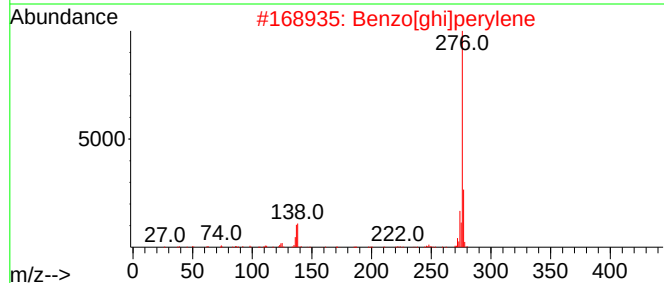
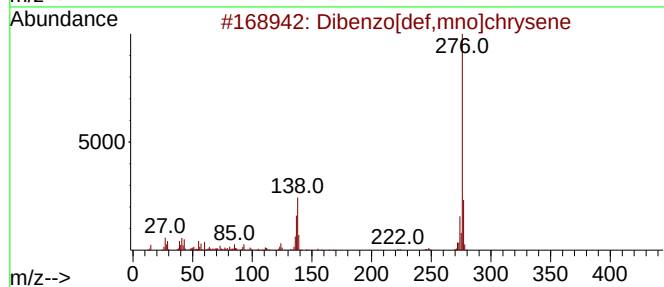
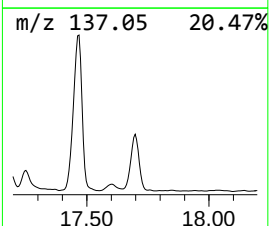
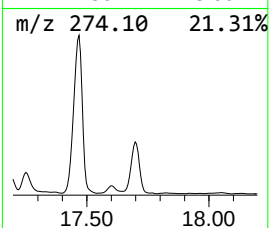
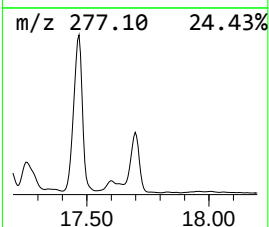
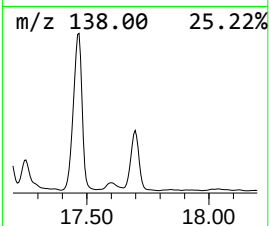
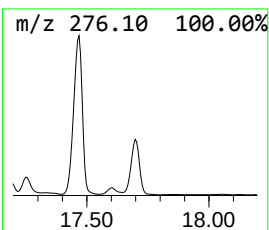
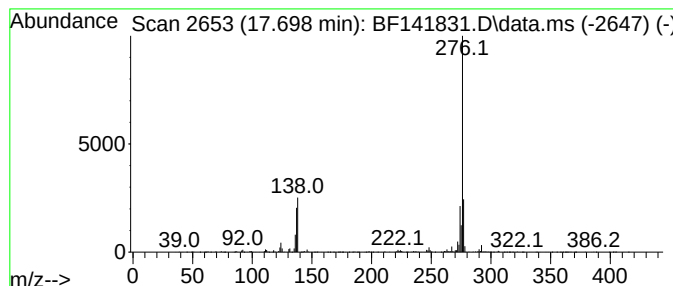
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.698	16.71 ng	1324920	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2			Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3			Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	86
4			Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	64
5			6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
 Data File : BF141831.D
 Acq On : 04 Mar 2025 17:16
 Operator : RC/JU
 Sample : Q1480-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.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
Butane, 2-metho...	2.181	14.8	ng	1093690	1	6.886	1481170	20.0
Naphthalene, 1,...	9.498	3.9	ng	359481	3	9.916	1868800	20.0
Naphthalene, 1,...	9.575	4.0	ng	375025	3	9.916	1868800	20.0
Dibenzofuran, 4...	10.621	6.4	ng	597946	3	9.916	1868800	20.0
Phenanthrene, 2...	11.933	3.7	ng	1628040	4	11.404	8870830	20.0
4H-Cyclopenta[d...	12.021	8.9	ng	3962680	4	11.404	8870830	20.0
Benzene, 1,1'-(...	12.716	3.8	ng	1663710	4	11.404	8870830	20.0
11H-Benzo[b]flu...	13.174	7.7	ng	5056770	5	14.051	13096900	20.0
Fluoranthene, 2...	13.245	6.0	ng	3916870	5	14.051	13096900	20.0
2-Methylchrysene	14.427	4.1	ng	2661770	5	14.051	13096900	20.0
7,12-Dimethylbe...	14.815	4.2	ng	332044	6	15.527	1586030	20.0
Benz(a)anthrace...	14.927	8.0	ng	637089	6	15.527	1586030	20.0
Benzo[e]pyrene	15.198	24.0	ng	1899950	6	15.527	1586030	20.0
Dinaphtho[1,2-b...	15.304	11.0	ng	874526	6	15.527	1586030	20.0
Perylene	15.398	60.3	ng	4779530	6	15.527	1586030	20.0
Boroxin, ethyld...	16.086	9.5	ng	754884	6	15.527	1586030	20.0
3,4-Dibromobenz...	16.239	3.8	ng	299931	6	15.527	1586030	20.0
Benzo[b]triphen...	17.186	8.8	ng	700890	6	15.527	1586030	20.0
Benzo[b]chrysene	17.250	7.2	ng	571225	6	15.527	1586030	20.0
Dibenzo[def,mno...	17.698	16.7	ng	1324920	6	15.527	1586030	20.0