LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108297.D
Acq On : 20 Aug 2018 18:30
Operator : JU/SJ
Sample : J4521-22
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11979

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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.372	3	6	21	rVB	330011	469812	7.72%	0.575%
2	5.266	493	498	507	rBV	155575	193138	3.17%	0.236%
3	5.648	557	563	566	rBV	3150835	3153234	51.83%	3.860%
4	6.637	726	731	734	rBV	3239002	3376261	55.50%	4.133%
5	6.784	752	756	760	rBV	3336117	3313670	54.47%	4.056%
6	7.013	792	795	799	rBV	1247120	1083140	17.80%	1.326%
7	7.172	818	822	825	rBV	3057802	2571996	42.28%	3.148%
8	7.578	886	891	894	rBV	2369458	2141198	35.20%	2.621%
9	8.301	1010	1014	1017	rBV	1529843	1341395	22.05%	1.642%
10	9.372	1190	1196	1199	rBV	4175100	3535144	58.11%	4.327%
11	9.713	1251	1254	1257	rVV	105628	106856	1.76%	0.131%
12	9.760	1260	1262	1270	rVB	286415	240103	3.95%	0.294%
13	10.060	1310	1313	1316	rBV2	1491049	1298368	21.34%	1.589%
14	10.095	1316	1319	1322	rVB	360143	307935	5.06%	0.377%
15	10.266	1343	1348	1351	rVV2	168865	194372	3.20%	0.238%
16	10.295	1351	1353	1357	rVB	81706	80310	1.32%	0.098%
17	10.372	1363	1366	1369	rBV	78007	80879	1.33%	0.099%
18	10.466	1380	1382	1388	rVB3	80245	91735	1.51%	0.112%
19	10.613	1403	1407	1411	rBV	460070	407872	6.70%	0.499%
20	10.766	1431	1433	1438	rVB	137407	124901	2.05%	0.153%
21	10.854	1444	1448	1452	rBV	2110113	1968195	32.35%	2.409%
22	11.160	1494	1500	1502	rBV	194251	218060	3.58%	0.267%
23	11.189	1502	1505	1508	rVV2	119173	128373	2.11%	0.157%
24	11.242	1511	1514	1517	rVB3	107723	106511	1.75%	0.130%
25	11.283	1517	1521	1523	rBV3	88769	128938	2.12%	0.158%
26	11.307	1523	1525	1530	rVV3	96355	120723	1.98%	0.148%
27	11.360	1530	1534	1538	rVV3	82650	92945	1.53%	0.114%
28	11.395	1538	1540	1544	rVV2	107334	133203	2.19%	0.163%
29	11.454	1547	1550	1554	rVB	241376	210664	3.46%	0.258%
30	11.560	1564	1568	1570	rBV	1313127	1296828	21.32%	1.587%
31	11.583	1570	1572	1576	rVV	3171138	2891416	47.53%	3.539%
32	11.636	1577	1581	1584	rVV	1466812	1211891	19.92%	1.484%
33	11.666	1584	1586	1588	rVV	119955	108215	1.78%	0.132%
34	11.707	1591	1593	1599	rVV4	43211	78710	1.29%	0.096%

LSC Area Percent Report

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Sample : J4521-22
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11979

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.783	1602	1606	1611	rVV2	190439	243893	4.01%	0.299%
36	11.848	1615	1617	1620	rBV	147943	124449	2.05%	0.152%
37	11.889	1621	1624	1628	rVB2	156919	152779	2.51%	0.187%
38	11.971	1635	1638	1643	rVB	79024	85664	1.41%	0.105%
39	12.060	1650	1653	1655	rBV	589351	496651	8.16%	0.608%
40	12.089	1655	1658	1661	rVB	841766	688101	11.31%	0.842%
41	12.136	1661	1666	1669	rBV	430408	377578	6.21%	0.462%
42	12.177	1669	1673	1675	rBV	1278594	1343844	22.09%	1.645%
43	12.354	1700	1703	1706	rVV	502194	444540	7.31%	0.544%
44	12.383	1706	1708	1714	rVB2	238800	213375	3.51%	0.261%
45	12.507	1726	1729	1731	rVB	129458	116174	1.91%	0.142%
46	12.536	1731	1734	1736	rBV	153912	108774	1.79%	0.133%
47	12.560	1736	1738	1740	rVB2	134650	98921	1.63%	0.121%
48	12.613	1743	1747	1750	rBV	388789	454481	7.47%	0.556%
49	12.654	1750	1754	1759	rVB2	246198	390951	6.43%	0.479%
50	12.707	1759	1763	1767	rBV2	241397	343986	5.65%	0.421%
51	12.789	1771	1777	1780	rBV	5331025	5484316	90.15%	6.714%
52	12.818	1780	1782	1784	rVV	110316	85646	1.41%	0.105%
53	12.842	1784	1786	1788	rVB	166549	118903	1.95%	0.146%
54	12.936	1798	1802	1804	rVV2	228330	224203	3.69%	0.274%
55	13.018	1808	1816	1820	rBV2	4421909	6083585	100.00%	7.447%
56	13.054	1820	1822	1827	rVB2	294555	301371	4.95%	0.369%
57	13.142	1830	1837	1840	rBV2	2677612	2951504	48.52%	3.613%
58	13.171	1840	1842	1845	rVB	245028	217730	3.58%	0.267%
59	13.230	1847	1852	1855	rBV2	375949	667431	10.97%	0.817%
60	13.342	1867	1871	1874	rVB	1025519	1055186	17.34%	1.292%
61	13.407	1878	1882	1884	rVV	985952	842284	13.85%	1.031%
62	13.448	1884	1889	1891	rVV2	549489	671155	11.03%	0.822%
63	13.471	1891	1893	1895	rVB	167701	127683	2.10%	0.156%
64	13.501	1895	1898	1901	rVB2	103122	93564	1.54%	0.115%
65	13.536	1901	1904	1907	rBV	336029	308712	5.07%	0.378%
66	13.571	1907	1910	1912	rBV	351609	304496	5.01%	0.373%
67	13.718	1932	1935	1936	rBV2	65946	77442	1.27%	0.095%
68	13.742	1936	1939	1940	rVV	139830	154258	2.54%	0.189%
69	13.760	1940	1942	1945	rVV	159423	159713	2.63%	0.196%
70	13.818	1949	1952	1955	rBV2	180161	228443	3.76%	0.280%
71	13.848	1955	1957	1961	rVB	243692	265250	4.36%	0.325%

LSC Area Percent Report

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11979

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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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.965	1971	1977	1979	rBV2	459860	588381	9.67%	0.720%
73	13.989	1979	1981	1983	rVV	563466	463255	7.61%	0.567%
74	14.018	1983	1986	1989	rVV2	464544	612287	10.06%	0.750%
75	14.054	1989	1992	2000	rVB2	305270	496883	8.17%	0.608%
76	14.130	2003	2005	2010	rVV	143742	176800	2.91%	0.216%
77	14.212	2012	2019	2022	rVV3	3006336	4382872	72.04%	5.365%
78	14.248	2022	2025	2031	rVB	2553372	2420675	39.79%	2.963%
79	14.301	2031	2034	2035	rBV2	98191	86514	1.42%	0.106%
80	14.324	2035	2038	2041	rVV	623966	570717	9.38%	0.699%
81	14.360	2042	2044	2048	rVV3	220641	289140	4.75%	0.354%
82	14.407	2050	2052	2054	rVV	197215	154427	2.54%	0.189%
83	14.436	2054	2057	2061	rVV2	244150	346360	5.69%	0.424%
84	14.471	2061	2063	2065	rVB2	102857	84610	1.39%	0.104%
85	14.601	2083	2085	2088	rVB	482092	400294	6.58%	0.490%
86	14.636	2088	2091	2095	rVB	241674	239383	3.93%	0.293%
87	14.707	2100	2103	2105	rVV	279660	294181	4.84%	0.360%
88	14.736	2105	2108	2110	rVV	317507	341829	5.62%	0.418%
89	14.760	2110	2112	2115	rVV	370059	326728	5.37%	0.400%
90	14.807	2116	2120	2127	rVB3	203851	337605	5.55%	0.413%
91	15.318	2201	2207	2210	rBV	1521824	2727483	44.83%	3.339%
92	15.430	2222	2226	2230	rBV	368653	429062	7.05%	0.525%
93	15.524	2239	2242	2244	rBV4	102843	135362	2.23%	0.166%
94	15.648	2258	2263	2269	rVB	897117	1323538	21.76%	1.620%
95	15.718	2270	2275	2279	rVV	1461423	1968903	32.36%	2.410%
96	15.783	2281	2286	2289	rVV	573236	902579	14.84%	1.105%
97	15.818	2289	2292	2299	rVB	435278	620067	10.19%	0.759%
98	16.401	2388	2391	2395	rVB	108212	152387	2.50%	0.187%
99	17.412	2556	2563	2572	rVB2	506882	1038478	17.07%	1.271%
100	17.906	2641	2647	2661	rVB	363256	865548	14.23%	1.060%

Sum of corrected areas: 81690375

LSC Report - Integrated Chromatogram

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Data File : BF108297.D
Acq On : 20 Aug 2018 18:30
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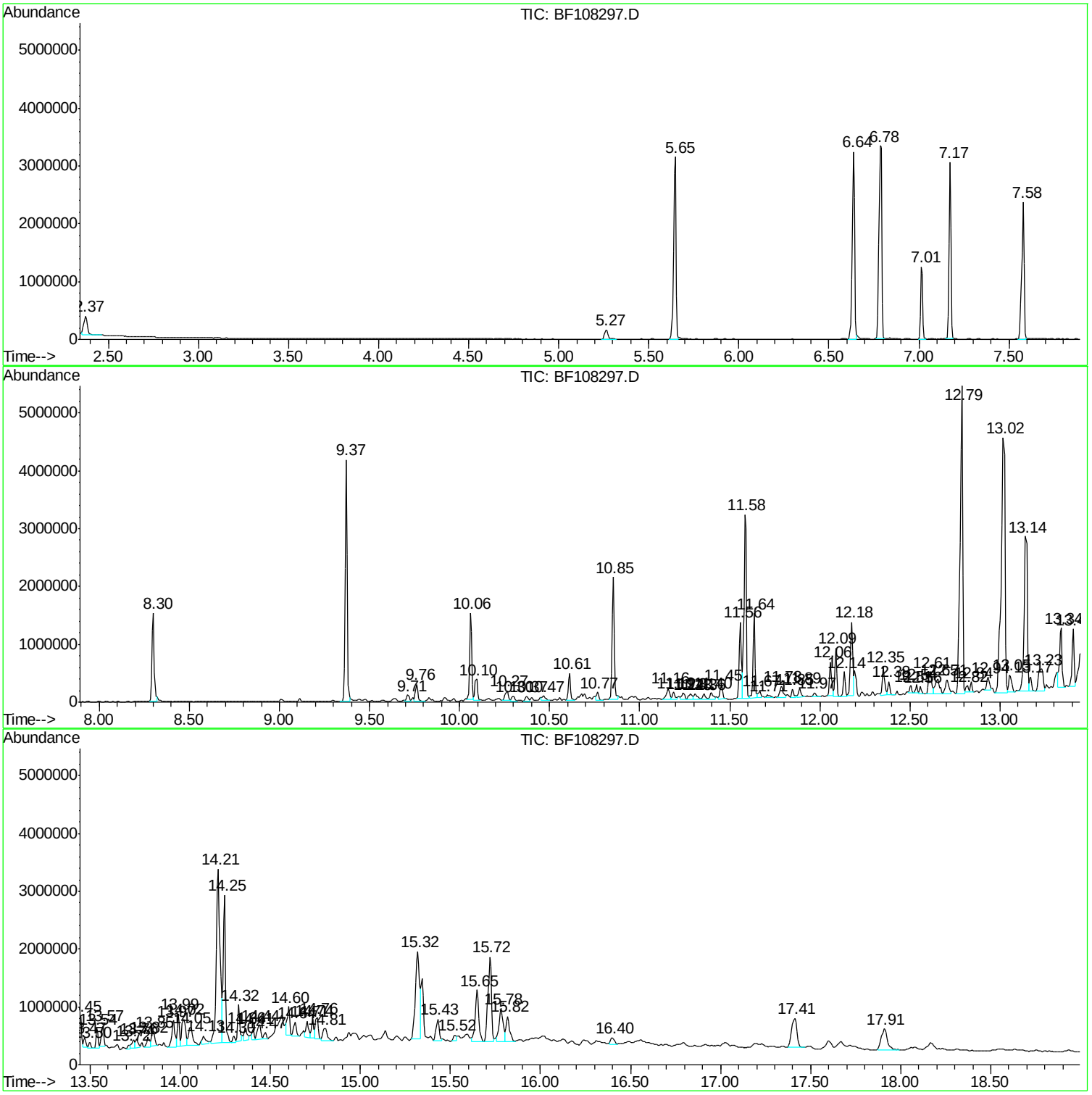
Sample : J4521-22
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11979

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
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Instrument : BNA_F
ClientSampleId : 72-11979

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
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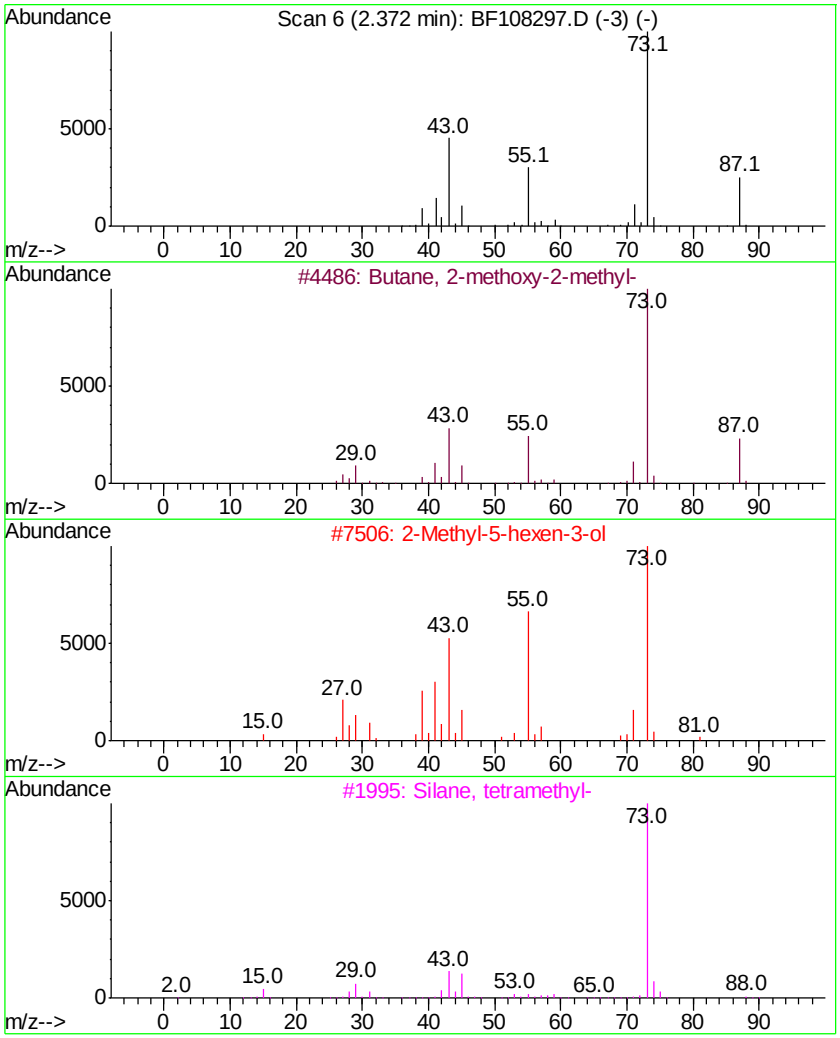
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

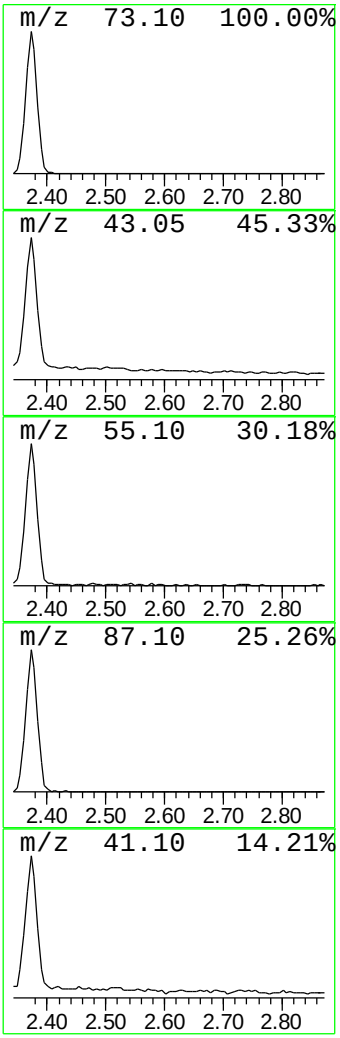
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.37	8.68 ng	469812	1,4-Dichlorobenzene-d4	7.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	25
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	16
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : 72-11979

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

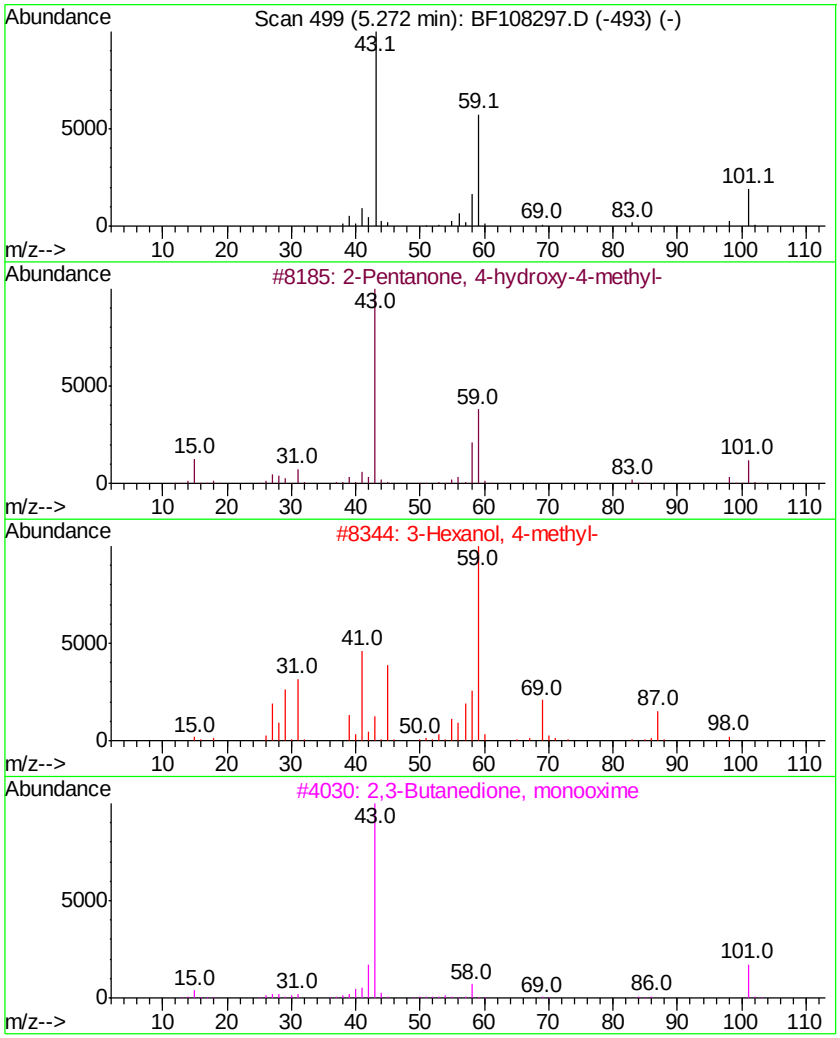
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

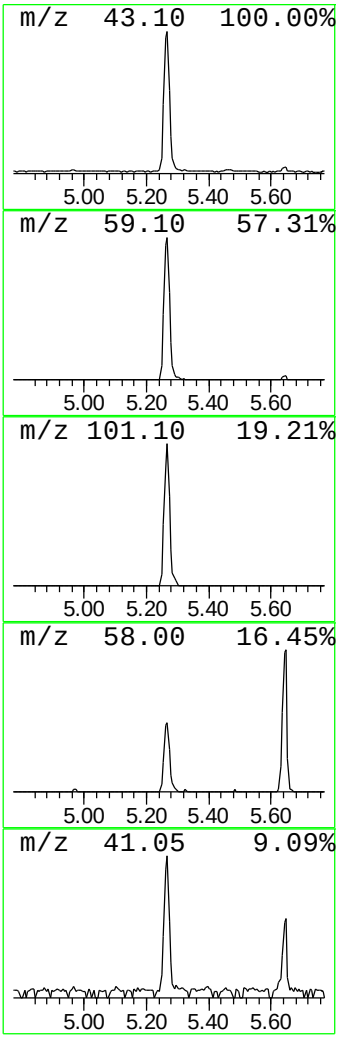
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.27	3.57 ng	193138	1,4-Dichlorobenzene-d4	7.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Propanoic acid, 2-hydroxy-2-meth...	132	C6H12O3	000080-55-7	9





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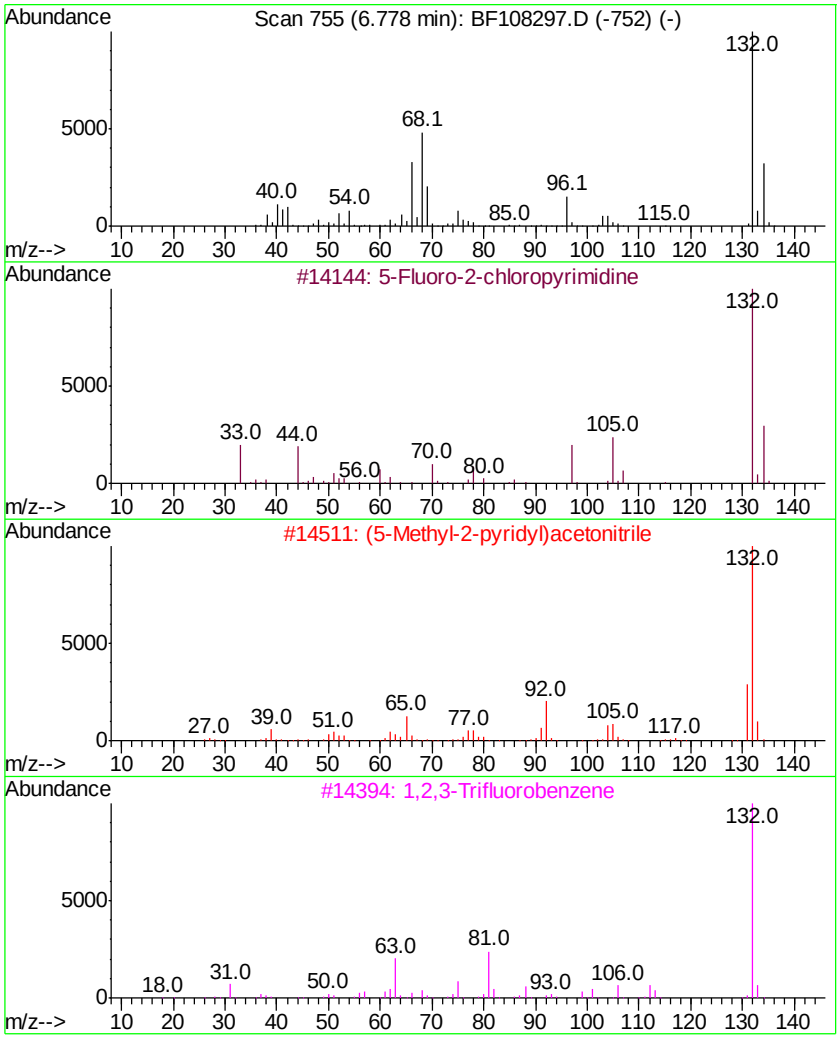
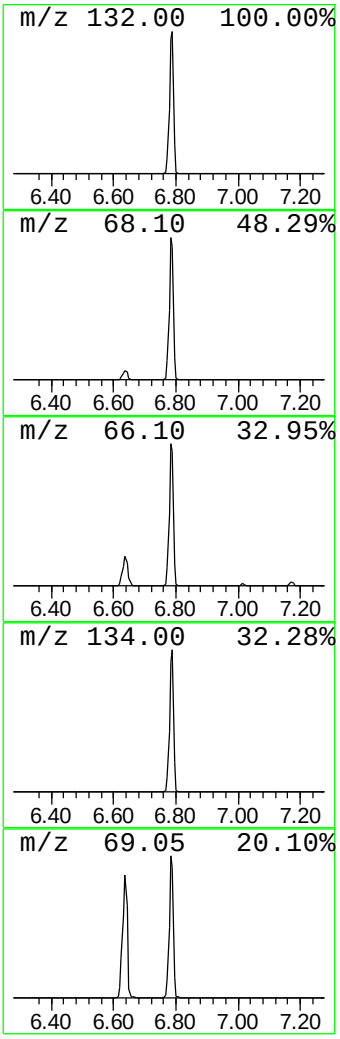
****

Peak Number 3 unknown6.78 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	61.19 ng	3313670	1,4-Dichlorobenzene-d4	7.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
2	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
3	1,2,3-Trifluorobenzene	132	C6H3F3	001489-53-8	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





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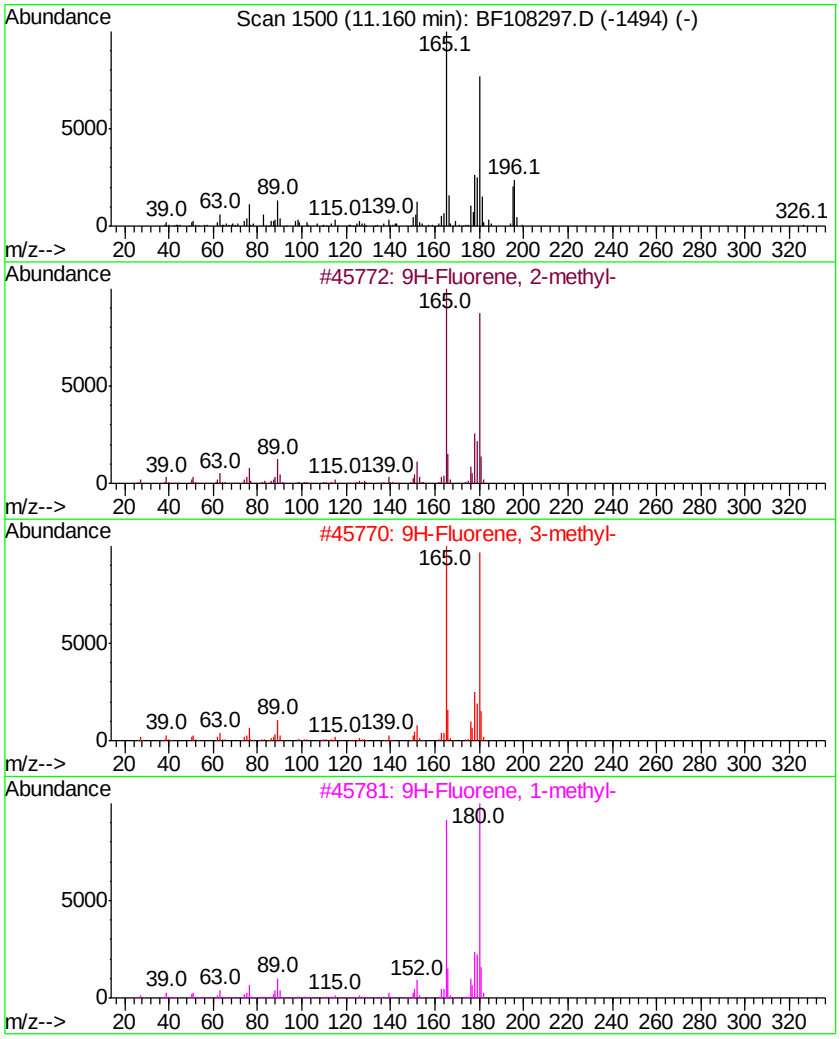
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

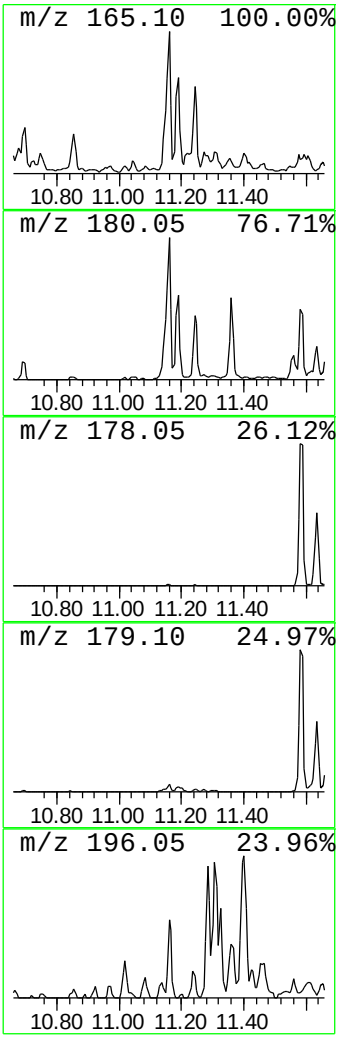
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	3.36 ng	218060	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	98
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	76





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11979

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

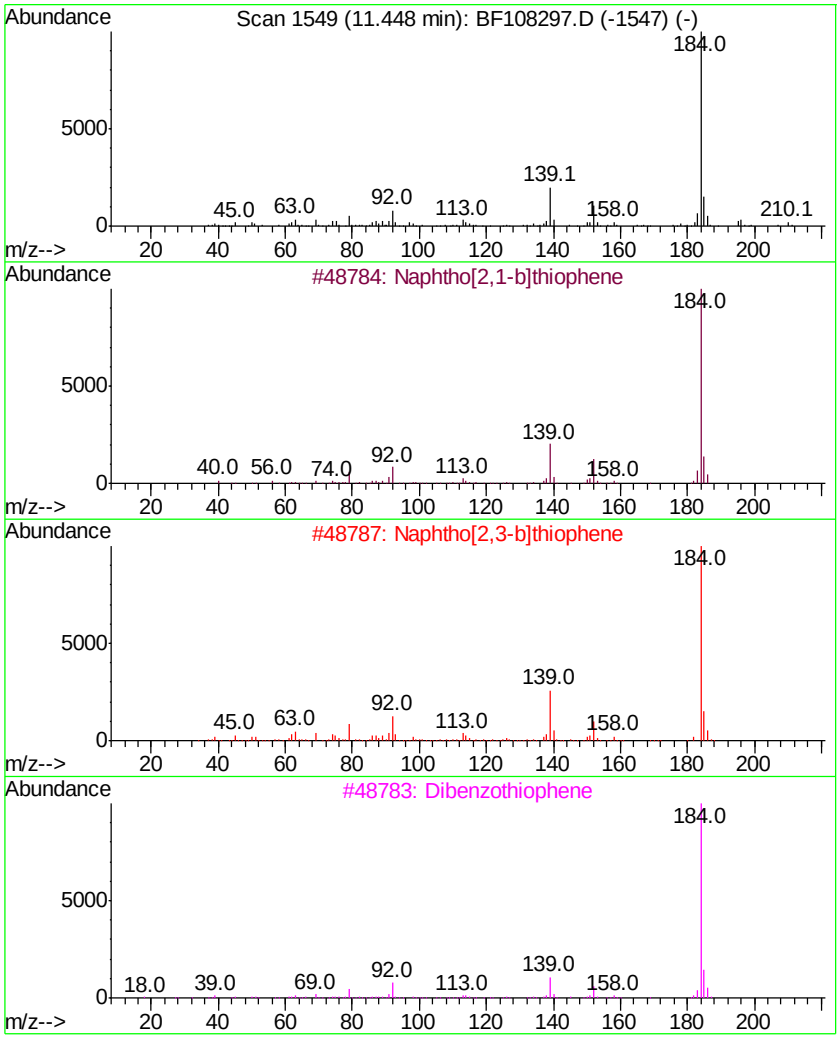
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

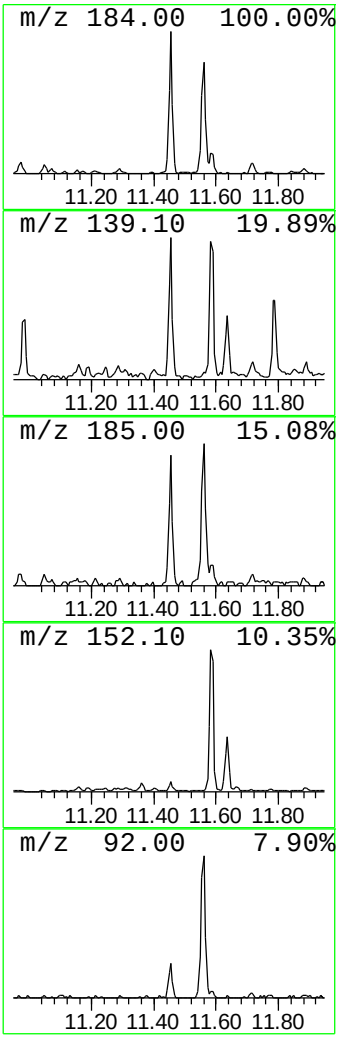
****

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	3.25 ng	210664	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Acq On : 20 Aug 2018 18:30
Operator : JU/SJ
Sample : J4521-22
Misc :
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Instrument : BNA_F
ClientSampleId : 72-11979

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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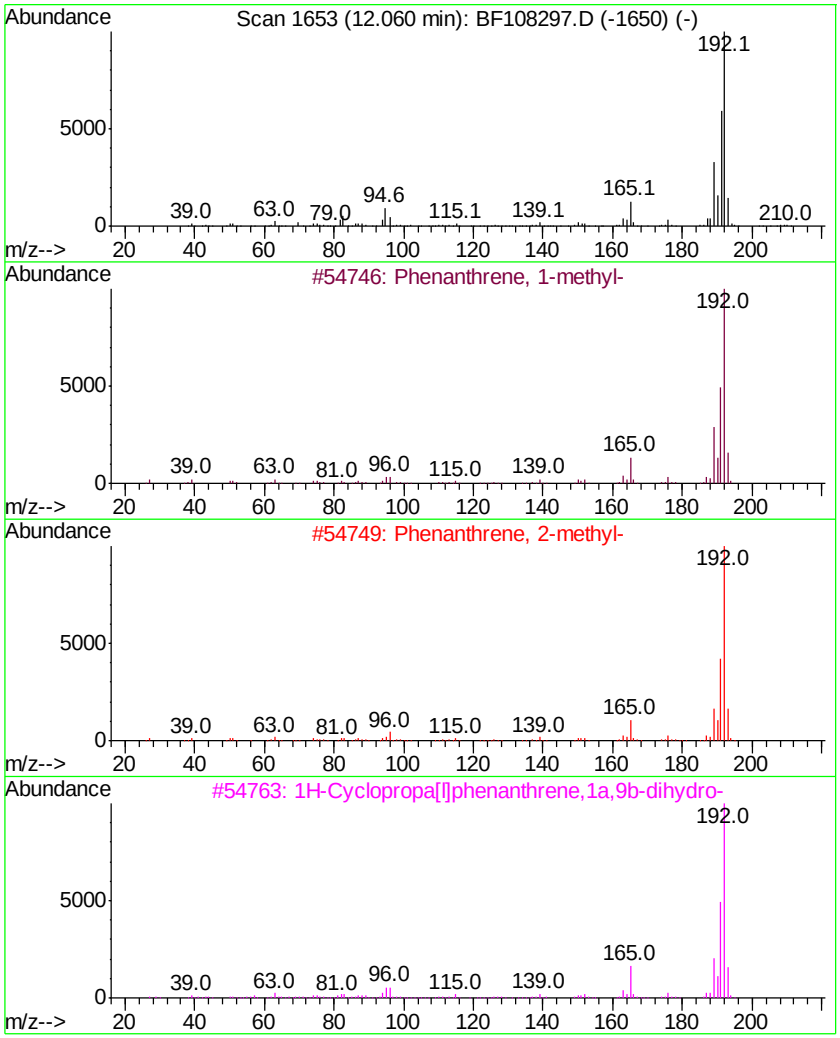
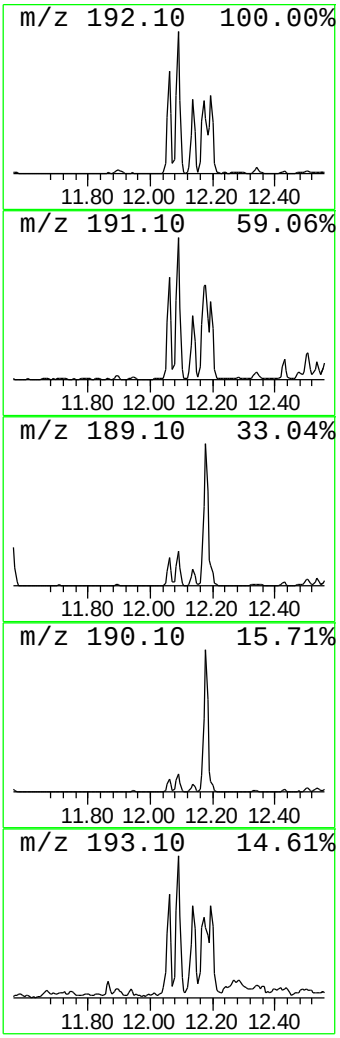
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	7.66 ng	496651	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Misc :
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Instrument : BNA_F
ClientSampleId : 72-11979

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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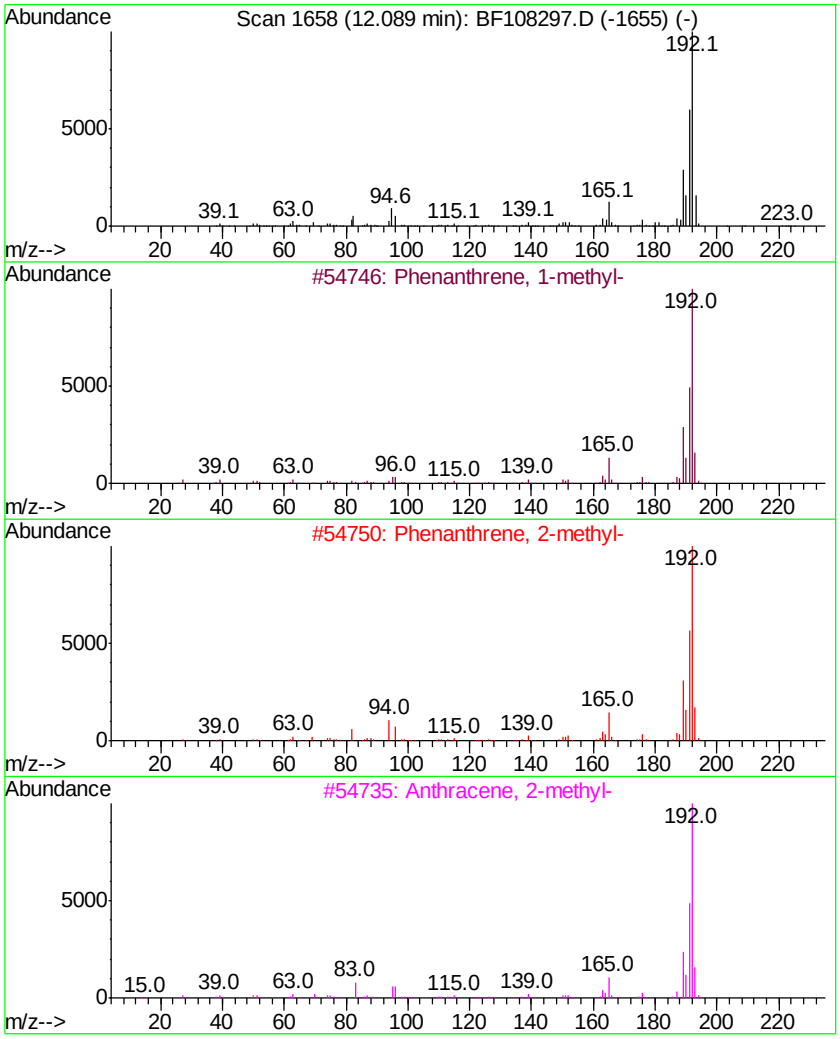
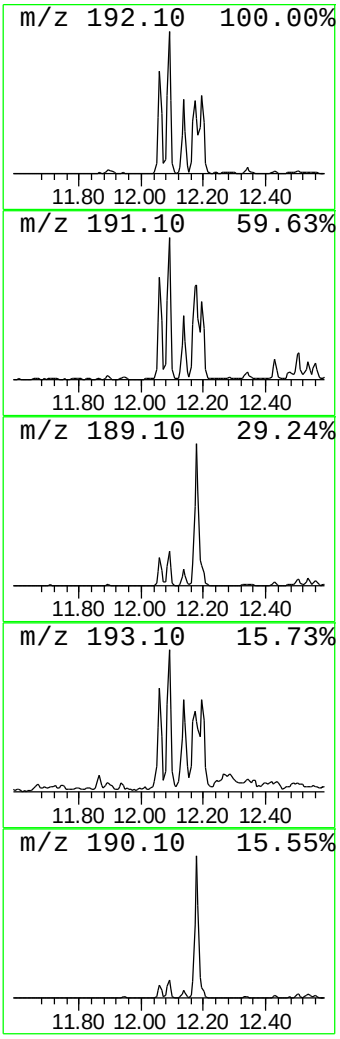
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	10.61 ng	688101	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Misc :
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Instrument : BNA_F
ClientSampleId : 72-11979

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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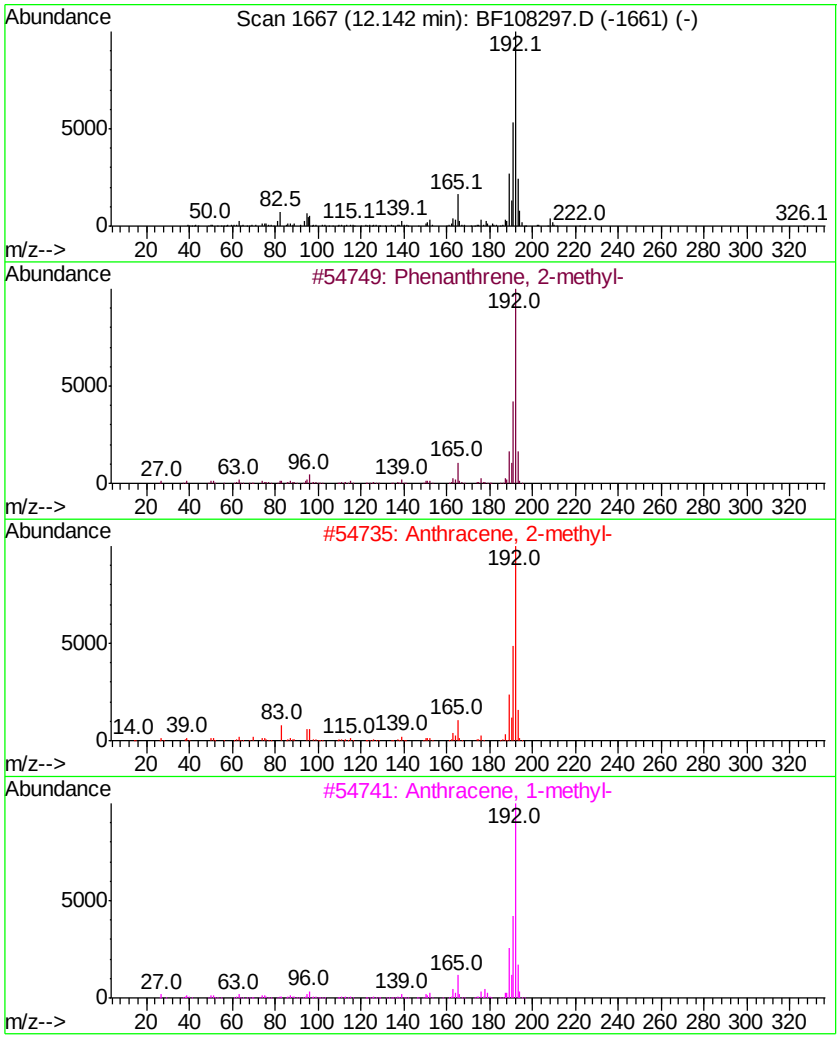
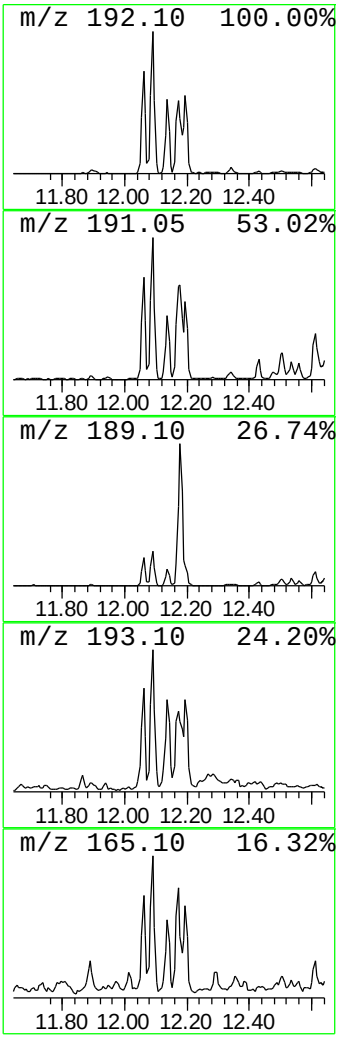
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	5.82 ng	377578	Phenanthrene-d10	11.56

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11979

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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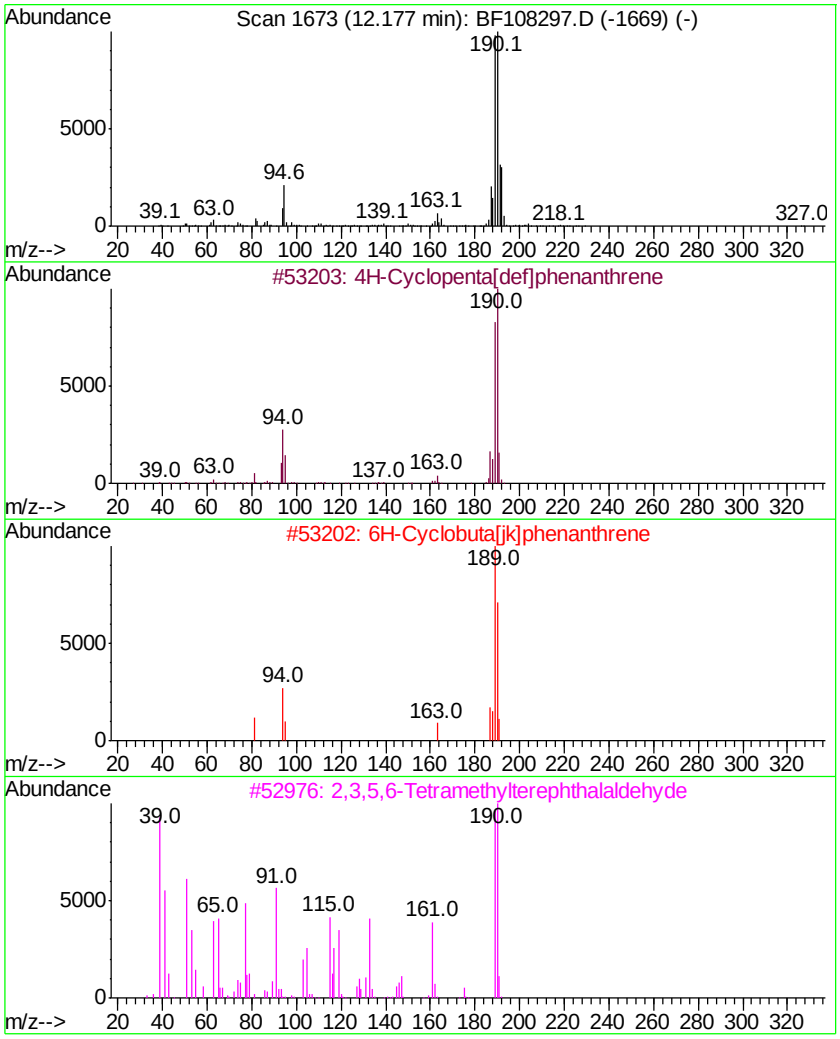
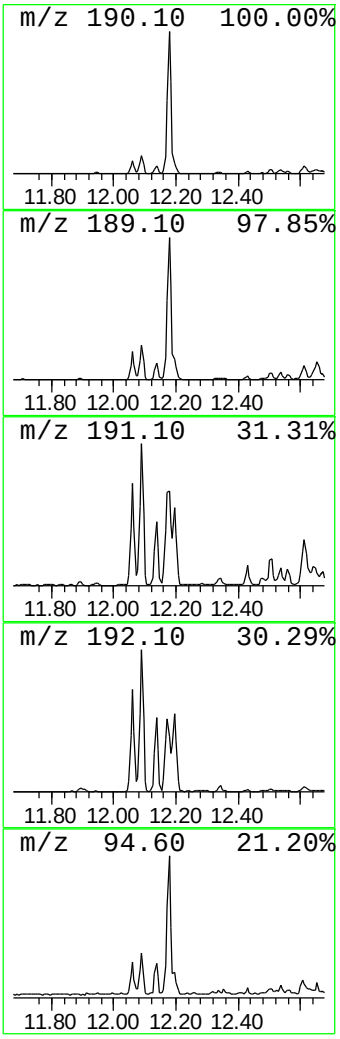
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	20.73 ng	1343840	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Misc :
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ClientSampleId : 72-11979

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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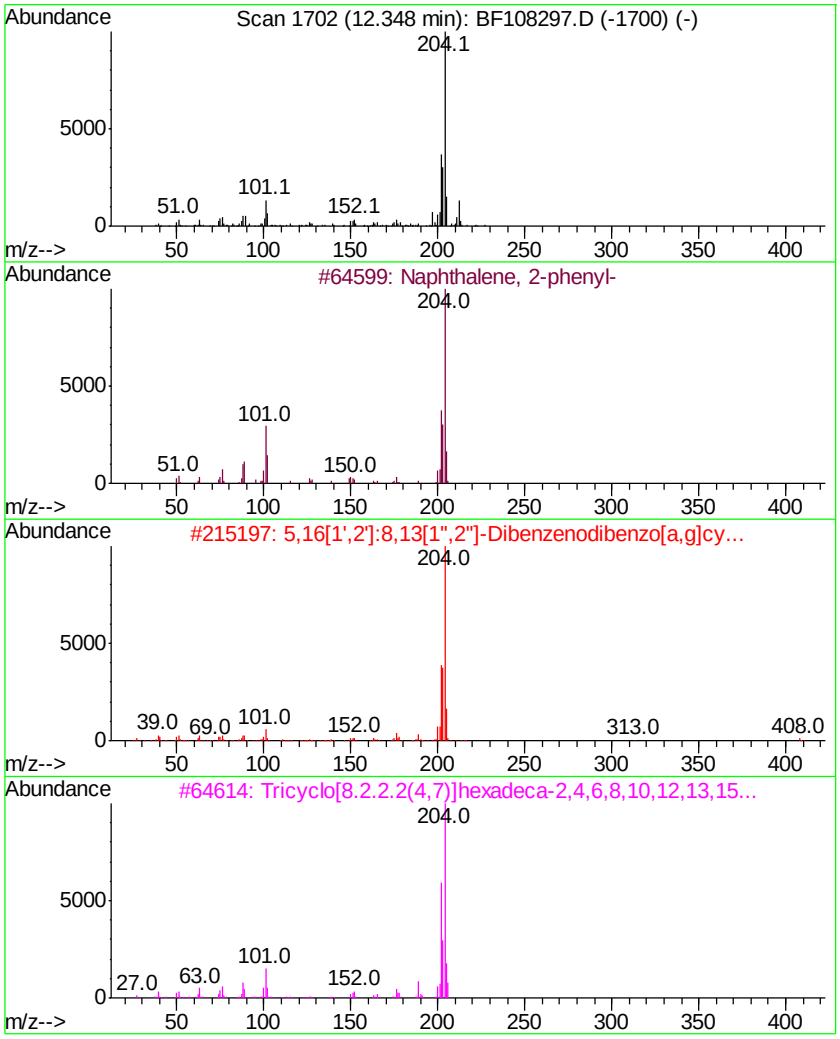
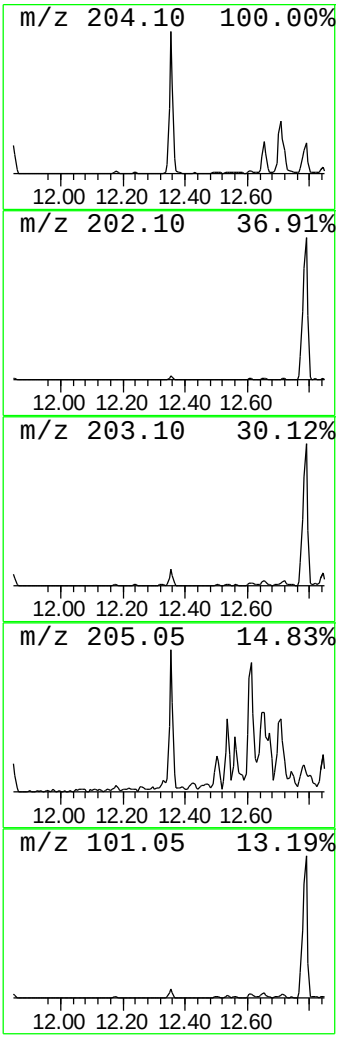
Peak Number 11 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	6.86 ng	444540	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	Levamisole	204	C11H12N2S	014769-73-4	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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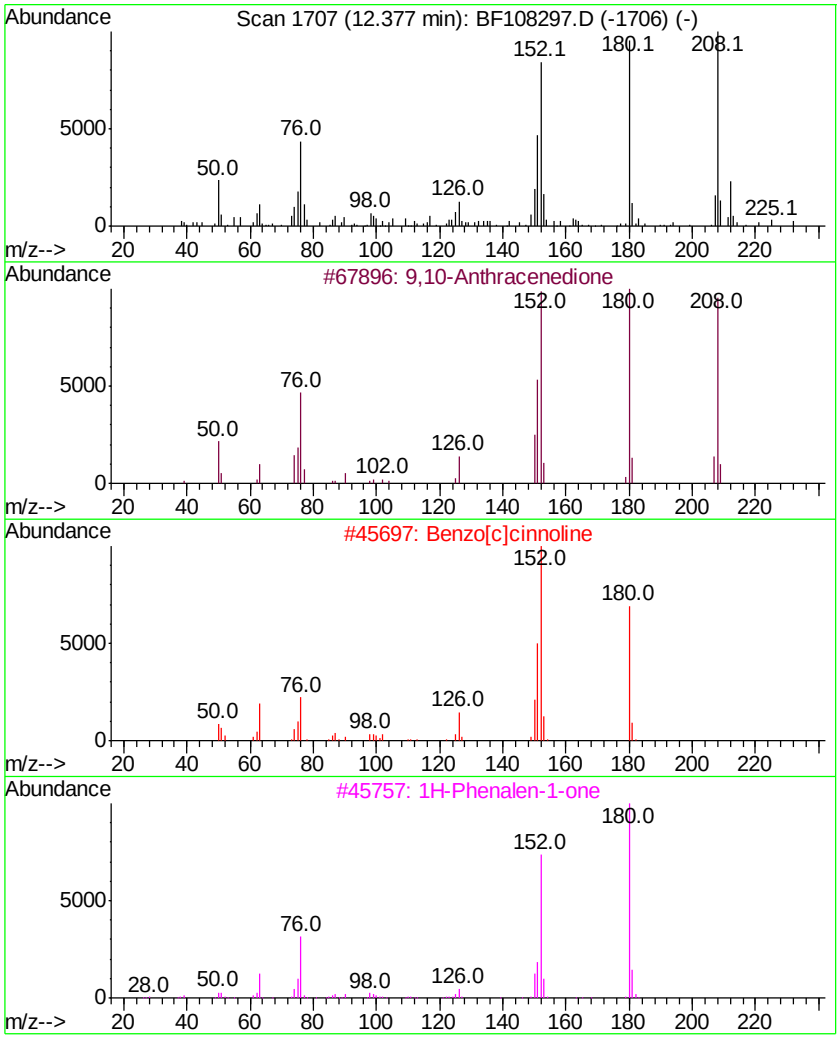
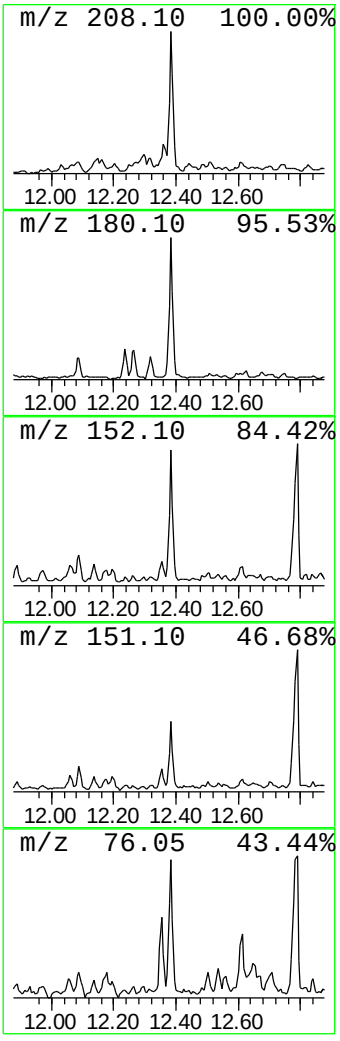
Peak Number 12 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	3.29 ng	213375	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46





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Sample : J4521-22
Misc :
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Instrument : BNA_F
ClientSampleId : 72-11979

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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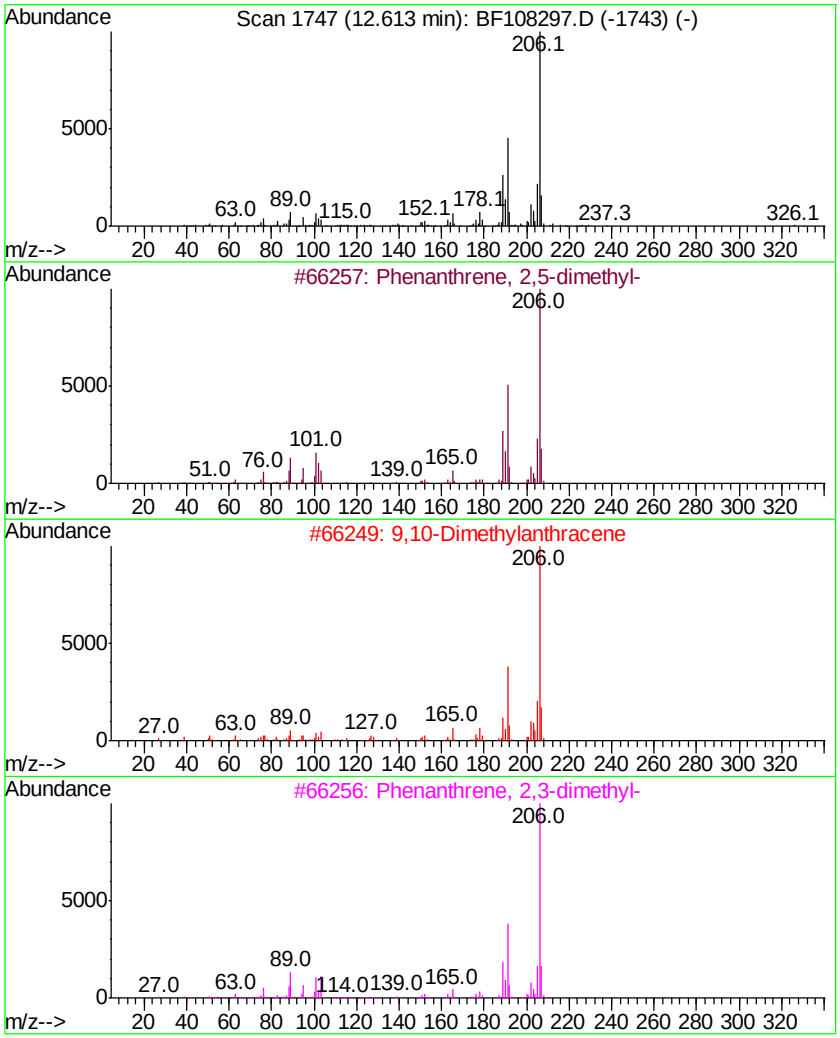
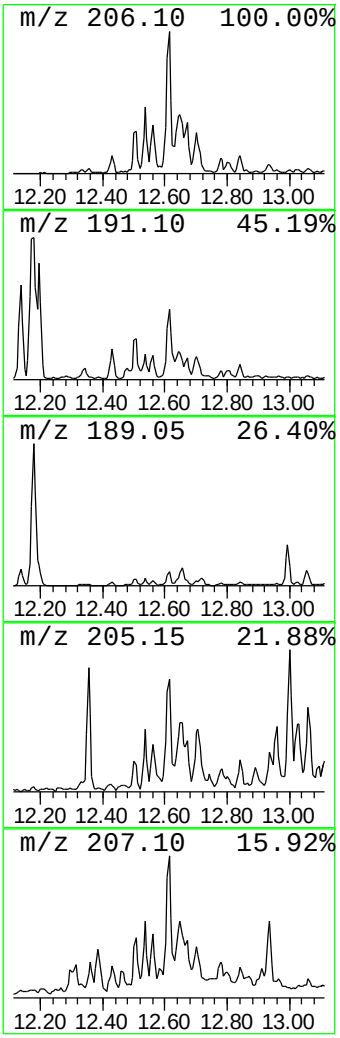
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	7.01 ng	454481	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Misc :
ALS Vial : 9 Sample Multiplier: 1

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

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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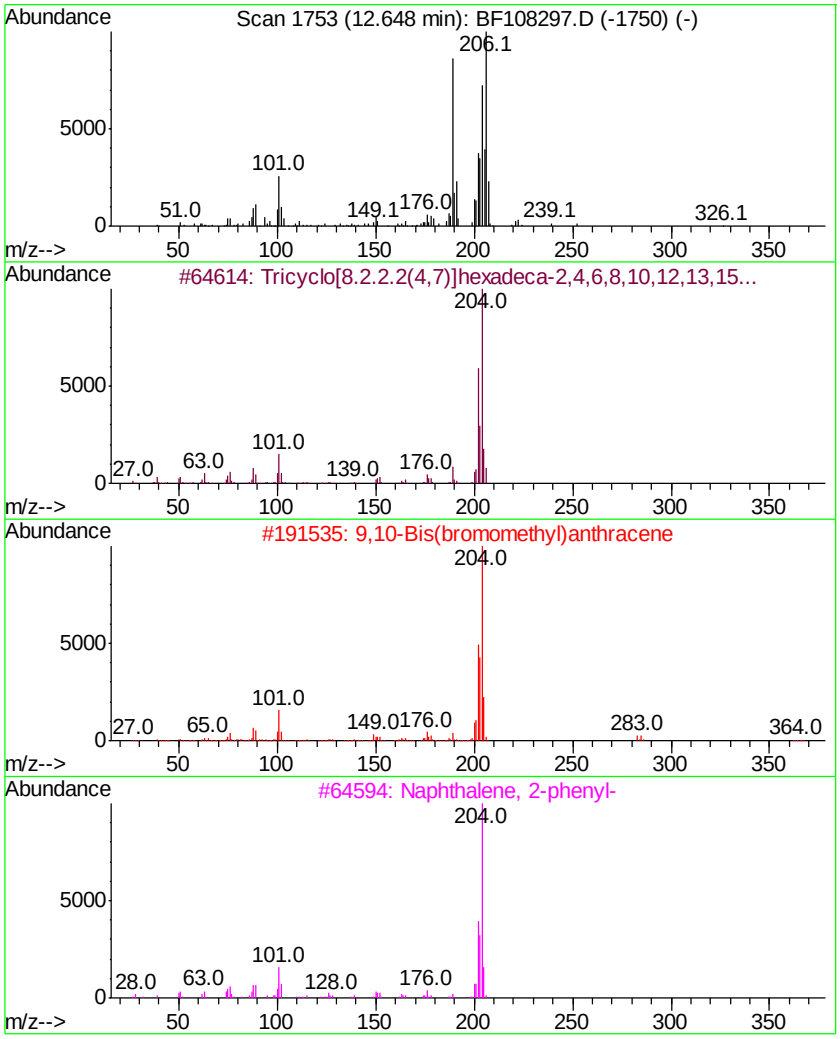
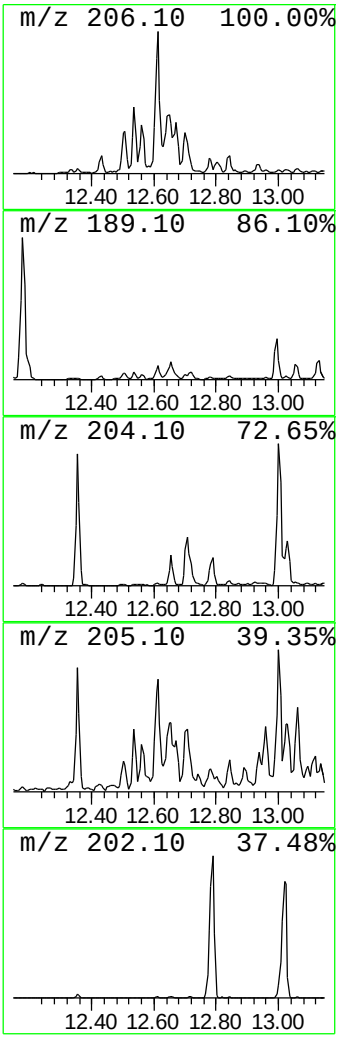
Peak Number 14 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	6.03 ng	390951	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	37





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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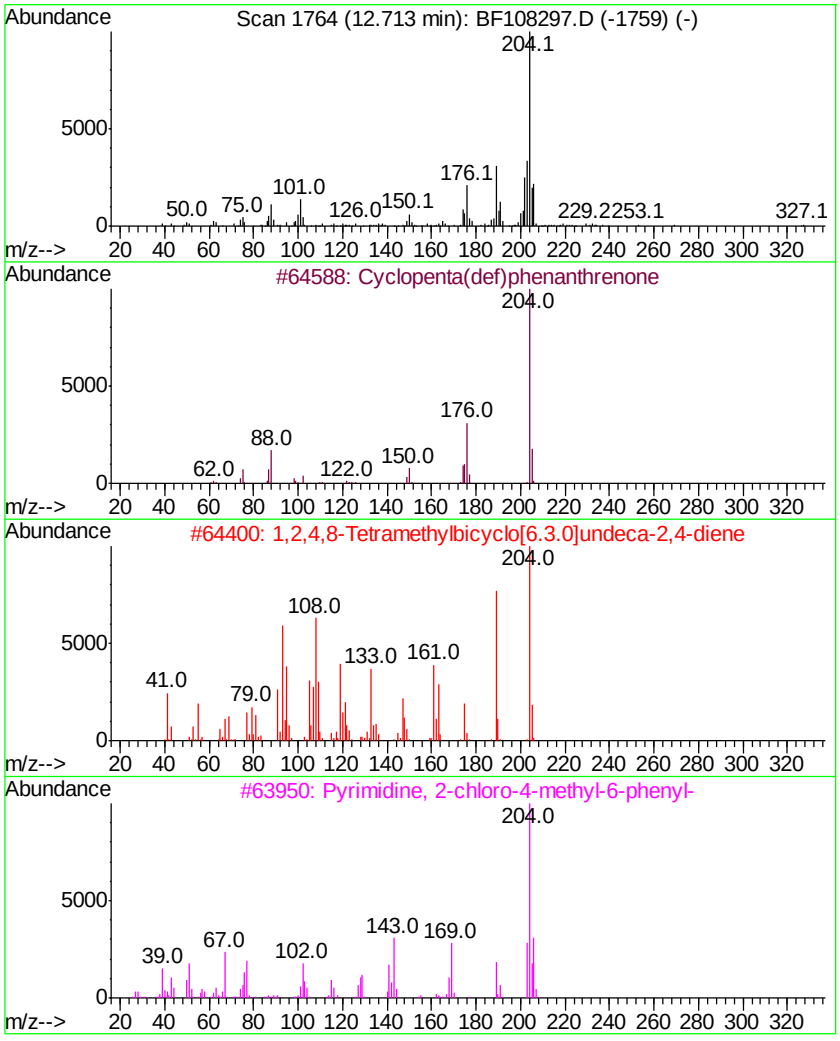
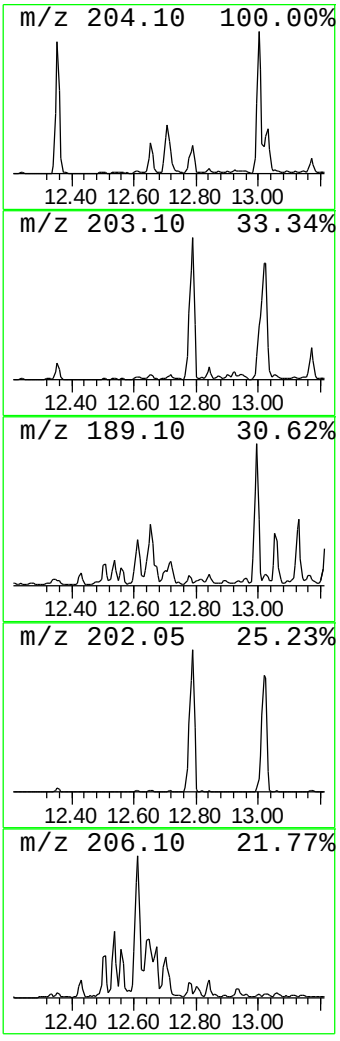
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	5.31 ng	343986	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	50
4	Mannose, 6-deoxy-2,3,4,5-tetraki...	452	C18H44O5Si4	019127-15-2	50
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	47





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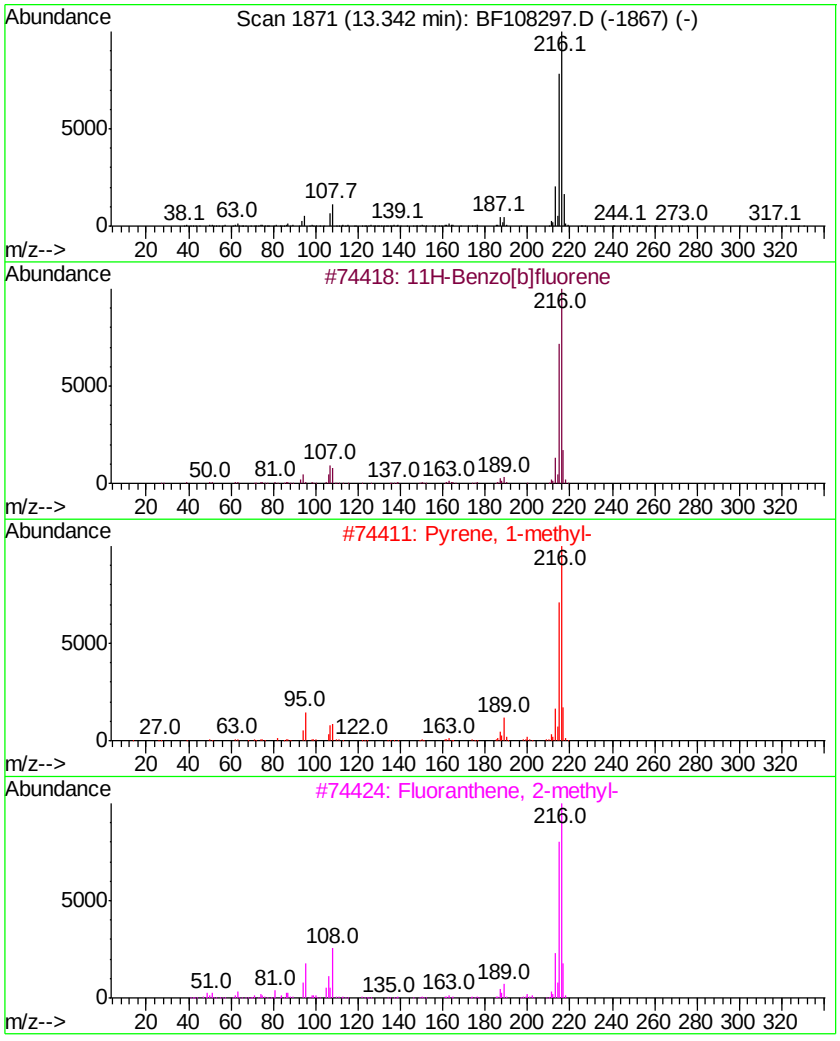
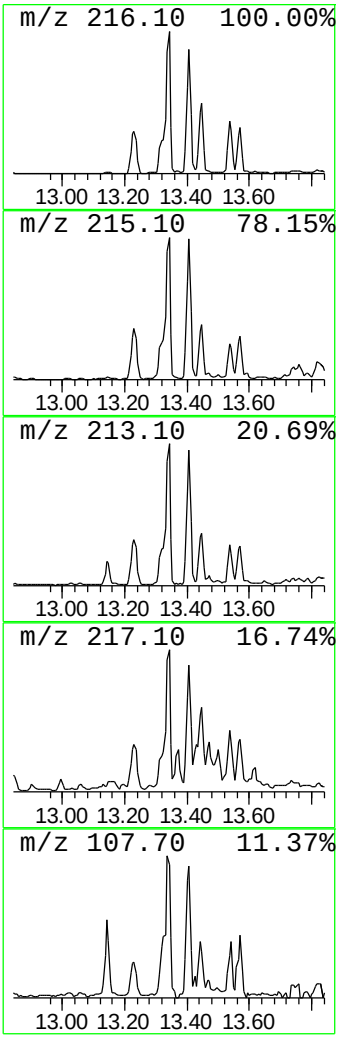
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	4.82 ng	1055190	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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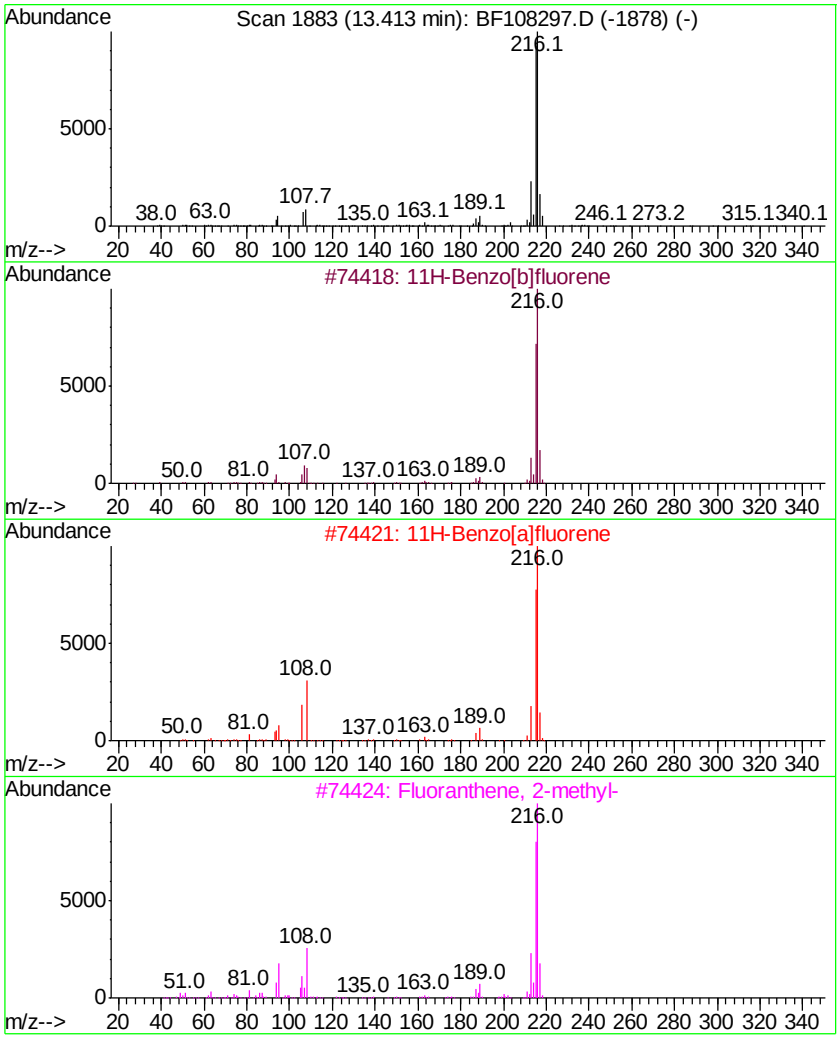
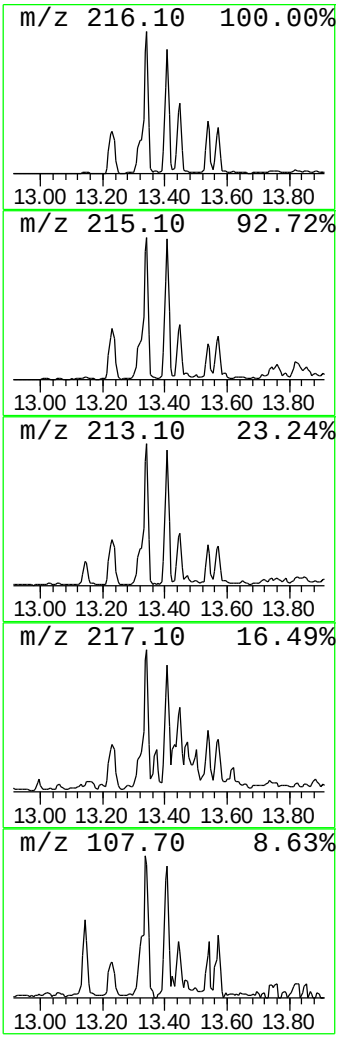
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	3.84 ng	842284	Chrysene-d12	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082018\
Data File : BF108297.D
Acq On : 20 Aug 2018 18:30
Operator : JU/SJ
Sample : J4521-22
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11979

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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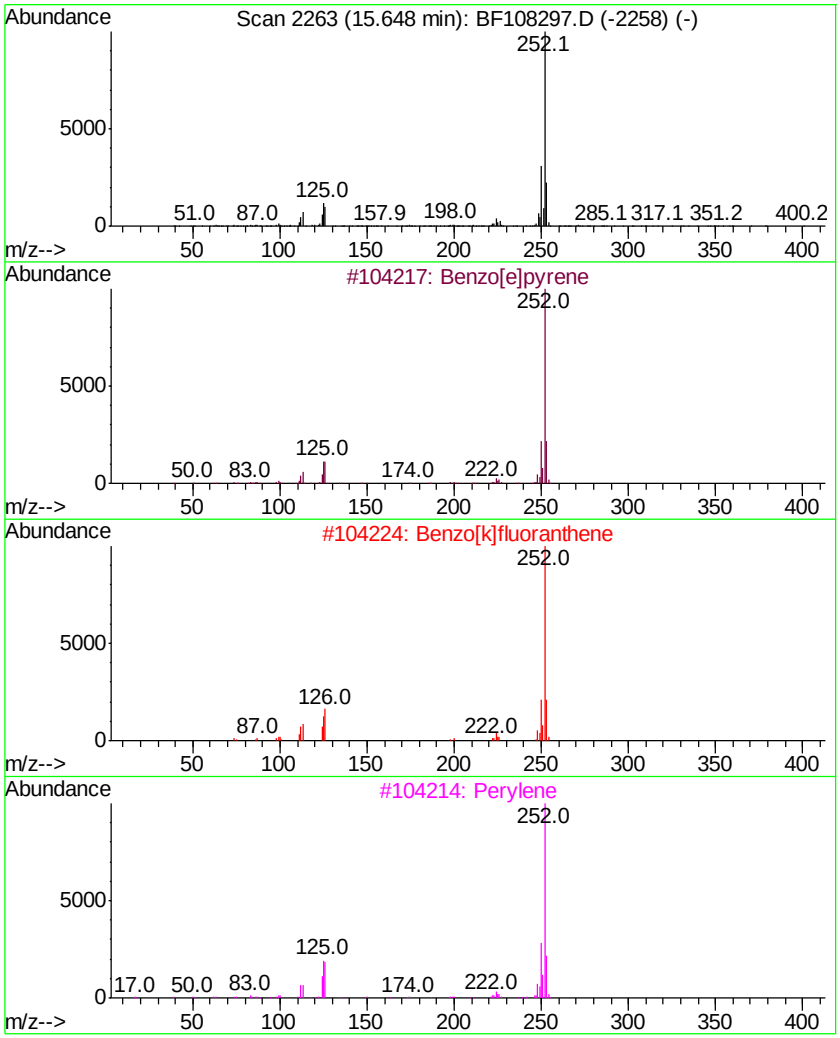
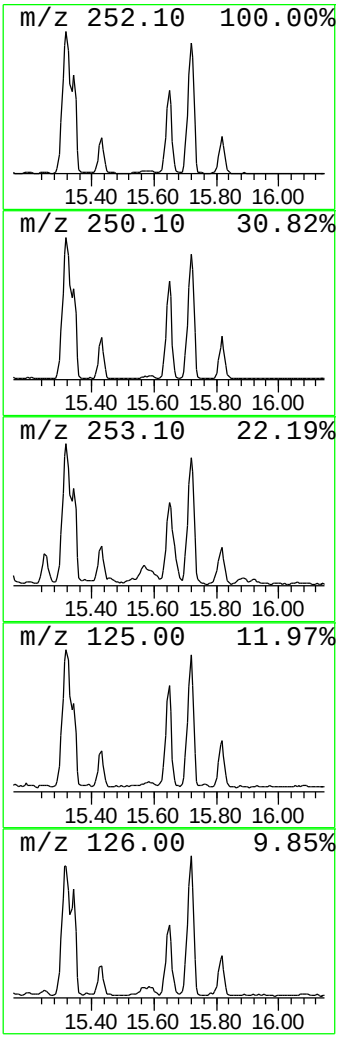
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	29.33 ng	1323540	Perylene-d12	15.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





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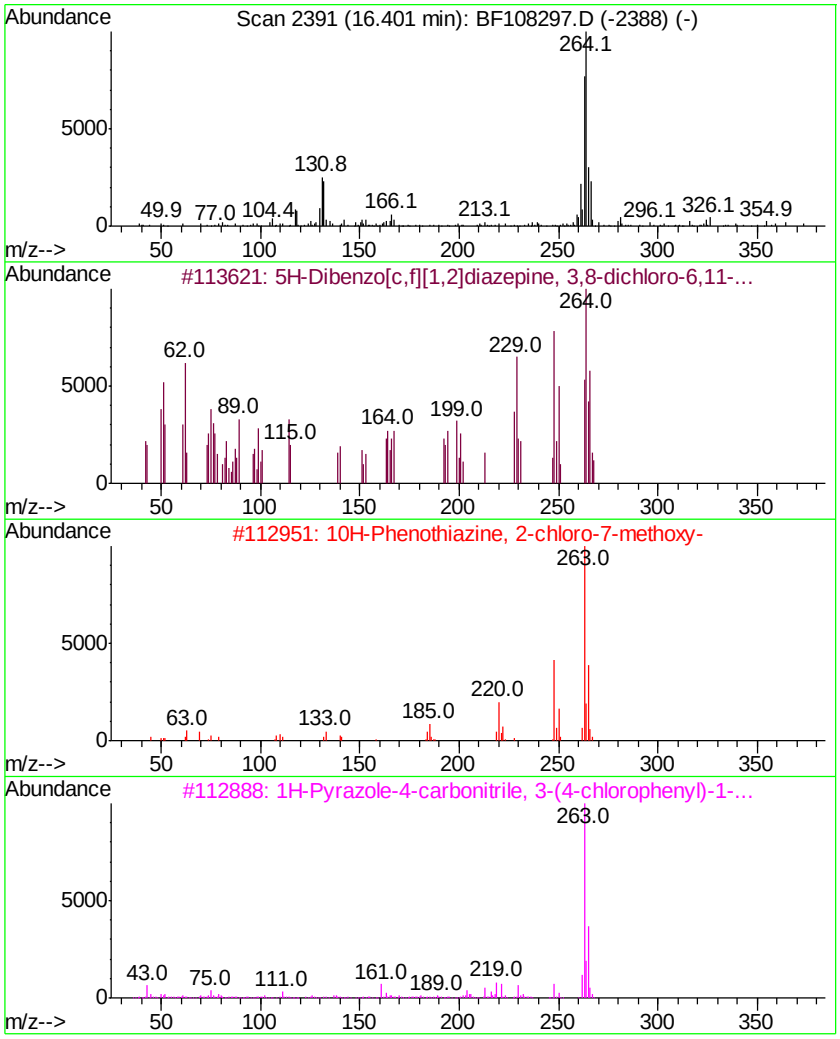
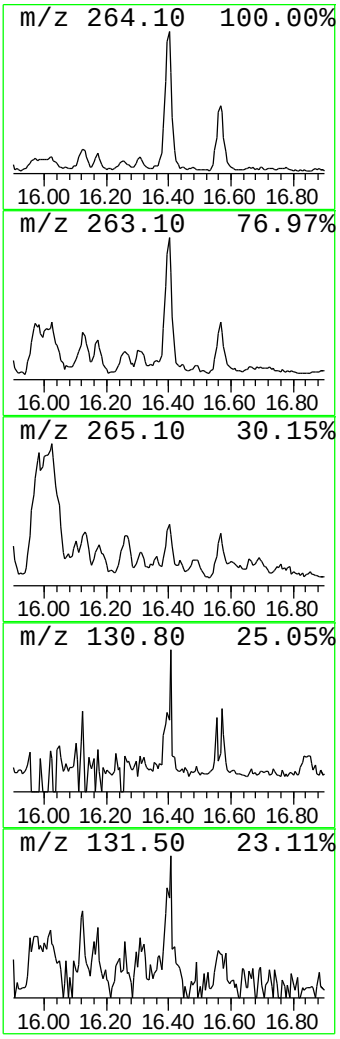
****

Peak Number 20 5H-Dibenzo[c,f][1,2]diazepi... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	3.38 ng	152387	Perylene-d12	15.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	37
2	10H-Phenothiazine, 2-chloro-7-me...	263	C13H10ClNOS	001730-44-5	27
3	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	27
4	Quinoxaline, 2-isopropyl-3-phenyl...	264	C17H16N2O	016007-79-7	22
5	2,3,4,5,6-Pentachlorobenzyl 3-et...	518	C18H15Cl5O5S	1000332-55-0	16





Tentatively Identified Compound (LSC) summary

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Instrument : BNA_F
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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.37	8.7	ng	469812	1	7.01	1083140	20.0
2-Pentanone, 4-hy...	5.27	3.6	ng	193138	1	7.01	1083140	20.0
unknown6.78	6.78	61.2	ng	3313670	1	7.01	1083140	20.0
9H-Fluorene, 2-me...	11.16	3.4	ng	218060	4	11.56	1296830	20.0
Naphtho[2,1-b]thi...	11.45	3.3	ng	210664	4	11.56	1296830	20.0
Phenanthrene, 1-m...	12.06	7.7	ng	496651	4	11.56	1296830	20.0
Phenanthrene, 2-m...	12.09	10.6	ng	688101	4	11.56	1296830	20.0
Anthracene, 2-met...	12.14	5.8	ng	377578	4	11.56	1296830	20.0
4H-Cyclopenta[def...	12.18	20.7	ng	1343840	4	11.56	1296830	20.0
5,16[1',2']:8,13[...	12.35	6.9	ng	444540	4	11.56	1296830	20.0
9,10-Anthracenedione	12.38	3.3	ng	213375	4	11.56	1296830	20.0
Phenanthrene, 2,5...	12.61	7.0	ng	454481	4	11.56	1296830	20.0
Tricyclo[8.2.2.2(...	12.65	6.0	ng	390951	4	11.56	1296830	20.0
Cyclopenta(def)ph...	12.71	5.3	ng	343986	4	11.56	1296830	20.0
11H-Benzo[b]fluorene	13.34	4.8	ng	1055190	5	14.22	4382870	20.0
11H-Benzo[a]fluorene	13.41	3.8	ng	842284	5	14.22	4382870	20.0
Benzo[e]pyrene	15.65	29.3	ng	1323540	6	15.78	902579	20.0
5H-Dibenzo[c,f][1...	16.40	3.4	ng	152387	6	15.78	902579	20.0