LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118542.D
Acq On : 13 Jan 2020 20:37
Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

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-BF010820.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	5.016	494	498	508	rBV	178432	212075	10.09%	0.583%
2	5.434	566	569	588	rBV	1219236	1235088	58.77%	3.398%
3	6.463	741	744	762	rBV	1085978	1372904	65.32%	3.777%
4	6.592	762	766	773	rVB	1608505	1461493	69.54%	4.020%
5	6.816	800	804	811	rVB	508171	426037	20.27%	1.172%
6	6.969	827	830	841	rVB	944813	766694	36.48%	2.109%
7	7.381	896	900	913	rBV	973685	841039	40.02%	2.314%
8	8.098	1019	1022	1024	rBV	721496	597414	28.43%	1.643%
9	8.122	1024	1026	1033	rVB	401909	324180	15.42%	0.892%
10	8.816	1141	1144	1150	rBV	140769	111621	5.31%	0.307%
11	8.916	1155	1161	1165	rVB	52877	51247	2.44%	0.141%
12	9.175	1201	1205	1209	rBV	1340668	1132022	53.86%	3.114%
13	9.516	1260	1263	1266	rBV	54118	60556	2.88%	0.167%
14	9.575	1270	1273	1281	rVV	150714	125494	5.97%	0.345%
15	9.857	1318	1321	1324	rVV	785448	707138	33.65%	1.945%
16	9.892	1324	1327	1331	rVB	358971	275656	13.12%	0.758%
17	10.069	1351	1357	1360	rVV	175305	165251	7.86%	0.455%
18	10.410	1411	1415	1420	rBV	362679	304412	14.48%	0.837%
19	10.657	1453	1457	1461	rBV	1281091	1206758	57.42%	3.320%
20	10.957	1502	1508	1512	rBV5	72621	133232	6.34%	0.367%
21	11.086	1525	1530	1532	rVV4	40667	61767	2.94%	0.170%
22	11.251	1555	1558	1562	rVB	119030	100962	4.80%	0.278%
23	11.351	1572	1575	1577	rBV	784732	712867	33.92%	1.961%
24	11.380	1577	1580	1583	rVV	2085114	1659783	78.97%	4.566%
25	11.427	1583	1588	1591	rVV	492483	465363	22.14%	1.280%
26	11.586	1611	1615	1621	rBV2	208280	227999	10.85%	0.627%
27	11.857	1657	1661	1663	rBV	255653	223364	10.63%	0.614%
28	11.886	1663	1666	1671	rVV	393249	432209	20.56%	1.189%
29	11.933	1671	1674	1677	rVV	146521	132444	6.30%	0.364%
30	11.969	1677	1680	1682	rVV	392571	396193	18.85%	1.090%
31	11.992	1682	1684	1690	rVB	192641	158520	7.54%	0.436%
32	12.151	1708	1711	1715	rVV	179050	167561	7.97%	0.461%
33	12.192	1715	1718	1721	rVV2	47416	54389	2.59%	0.150%
34	12.298	1732	1736	1739	rBV2	73809	81560	3.88%	0.224%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118542.D
Acq On : 13 Jan 2020 20:37
Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

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-BF010820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.333	1739	1742	1744	rVV	55088	50335	2.39%	0.138%
36	12.410	1751	1755	1757	rBV	179248	184295	8.77%	0.507%
37	12.445	1757	1761	1763	rVV3	98138	134127	6.38%	0.369%
38	12.504	1767	1771	1774	rBV3	78577	102543	4.88%	0.282%
39	12.574	1779	1783	1786	rBV	2273671	1929767	91.82%	5.309%
40	12.727	1805	1809	1811	rVB3	70366	73009	3.47%	0.201%
41	12.804	1815	1822	1828	rBV	1784860	2101694	100.00%	5.782%
42	12.851	1828	1830	1834	rVB2	111873	116276	5.53%	0.320%
43	12.939	1838	1845	1848	rBV	1652449	1421045	67.61%	3.909%
44	12.969	1848	1850	1854	rVB	80444	76978	3.66%	0.212%
45	13.021	1854	1859	1863	rBV3	132738	219552	10.45%	0.604%
46	13.104	1870	1873	1874	rBV2	103337	91815	4.37%	0.253%
47	13.133	1875	1878	1881	rVB	338939	311432	14.82%	0.857%
48	13.198	1886	1889	1892	rVV	312594	268895	12.79%	0.740%
49	13.239	1892	1896	1898	rVV2	212086	261374	12.44%	0.719%
50	13.292	1902	1905	1908	rVB	55524	51840	2.47%	0.143%
51	13.327	1908	1911	1914	rBV	136218	131445	6.25%	0.362%
52	13.363	1914	1917	1920	rBV	145005	137800	6.56%	0.379%
53	13.410	1923	1925	1930	rVB	152738	133635	6.36%	0.368%
54	13.557	1948	1950	1953	rVV	67763	62914	2.99%	0.173%
55	13.616	1957	1960	1963	rBV4	64004	87954	4.18%	0.242%
56	13.645	1963	1965	1969	rVB	96993	99834	4.75%	0.275%
57	13.757	1979	1984	1986	rBV	171434	201632	9.59%	0.555%
58	13.780	1986	1988	1989	rVV	171209	135304	6.44%	0.372%
59	13.798	1989	1991	1994	rVV2	143671	182172	8.67%	0.501%
60	13.833	1994	1997	2000	rVB2	126606	145905	6.94%	0.401%
61	13.921	2008	2012	2015	rBV2	54061	108841	5.18%	0.299%
62	13.998	2018	2025	2029	rVV2	1292091	2017379	95.99%	5.550%
63	14.033	2029	2031	2039	rVB	943067	853420	40.61%	2.348%
64	14.116	2042	2045	2048	rVV	174798	164810	7.84%	0.453%
65	14.163	2048	2053	2055	rVV3	61085	90517	4.31%	0.249%
66	14.198	2055	2059	2062	rVV2	93883	142216	6.77%	0.391%
67	14.239	2064	2066	2068	rVB	92192	71504	3.40%	0.197%
68	14.327	2078	2081	2083	rVB3	51557	51416	2.45%	0.141%
69	14.357	2083	2086	2089	rBV3	125548	159185	7.57%	0.438%
70	14.392	2089	2092	2095	rVV	252849	254420	12.11%	0.700%
71	14.427	2095	2098	2102	rVV	123952	144785	6.89%	0.398%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118542.D
Acq On : 13 Jan 2020 20:37
Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

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-BF010820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.468	2102	2105	2107	rVV3	61387	86050	4.09%	0.237%
73	14.492	2107	2109	2111	rVV	89875	82807	3.94%	0.228%
74	14.521	2111	2114	2115	rVV	117940	110222	5.24%	0.303%
75	14.539	2115	2117	2120	rVV	146876	131628	6.26%	0.362%
76	14.586	2120	2125	2128	rVV2	65127	94405	4.49%	0.260%
77	14.721	2144	2148	2150	rBV3	93946	121545	5.78%	0.334%
78	14.839	2164	2168	2171	rVB	489946	524104	24.94%	1.442%
79	14.898	2175	2178	2181	rBV	107082	137345	6.53%	0.378%
80	15.057	2200	2205	2215	rVB	752493	1437620	68.40%	3.955%
81	15.163	2220	2223	2227	rBV	121863	134455	6.40%	0.370%
82	15.268	2235	2241	2243	rBV4	56565	127332	6.06%	0.350%
83	15.357	2252	2256	2264	rVB	490390	623364	29.66%	1.715%
84	15.421	2264	2267	2272	rVB2	489583	641034	30.50%	1.763%
85	15.486	2272	2278	2281	rBV	468749	633713	30.15%	1.743%
86	15.515	2281	2283	2291	rVB2	171383	247589	11.78%	0.681%
87	15.910	2346	2350	2357	rBV7	52244	102851	4.89%	0.283%
88	15.968	2357	2360	2364	rVB4	34266	53624	2.55%	0.148%
89	16.051	2371	2374	2379	rVB3	54249	90179	4.29%	0.248%
90	16.327	2416	2421	2423	rBV4	56053	103036	4.90%	0.283%
91	16.462	2436	2444	2445	rBV6	61461	129146	6.14%	0.355%
92	16.592	2462	2466	2471	rBV6	47153	121586	5.79%	0.334%
93	16.762	2490	2495	2497	rBV6	41759	60249	2.87%	0.166%
94	16.815	2500	2504	2509	rBV3	32928	83616	3.98%	0.230%
95	16.974	2525	2531	2541	rVB	238165	525053	24.98%	1.444%
96	17.045	2541	2543	2548	rBV3	28489	51964	2.47%	0.143%
97	17.145	2555	2560	2566	rVV	58790	122137	5.81%	0.336%
98	17.209	2566	2571	2574	rVB	56324	115957	5.52%	0.319%
99	17.421	2601	2607	2614	rVB	166772	381856	18.17%	1.050%
100	17.680	2645	2651	2655	rBV2	55554	119603	5.69%	0.329%

Sum of corrected areas: 36351427

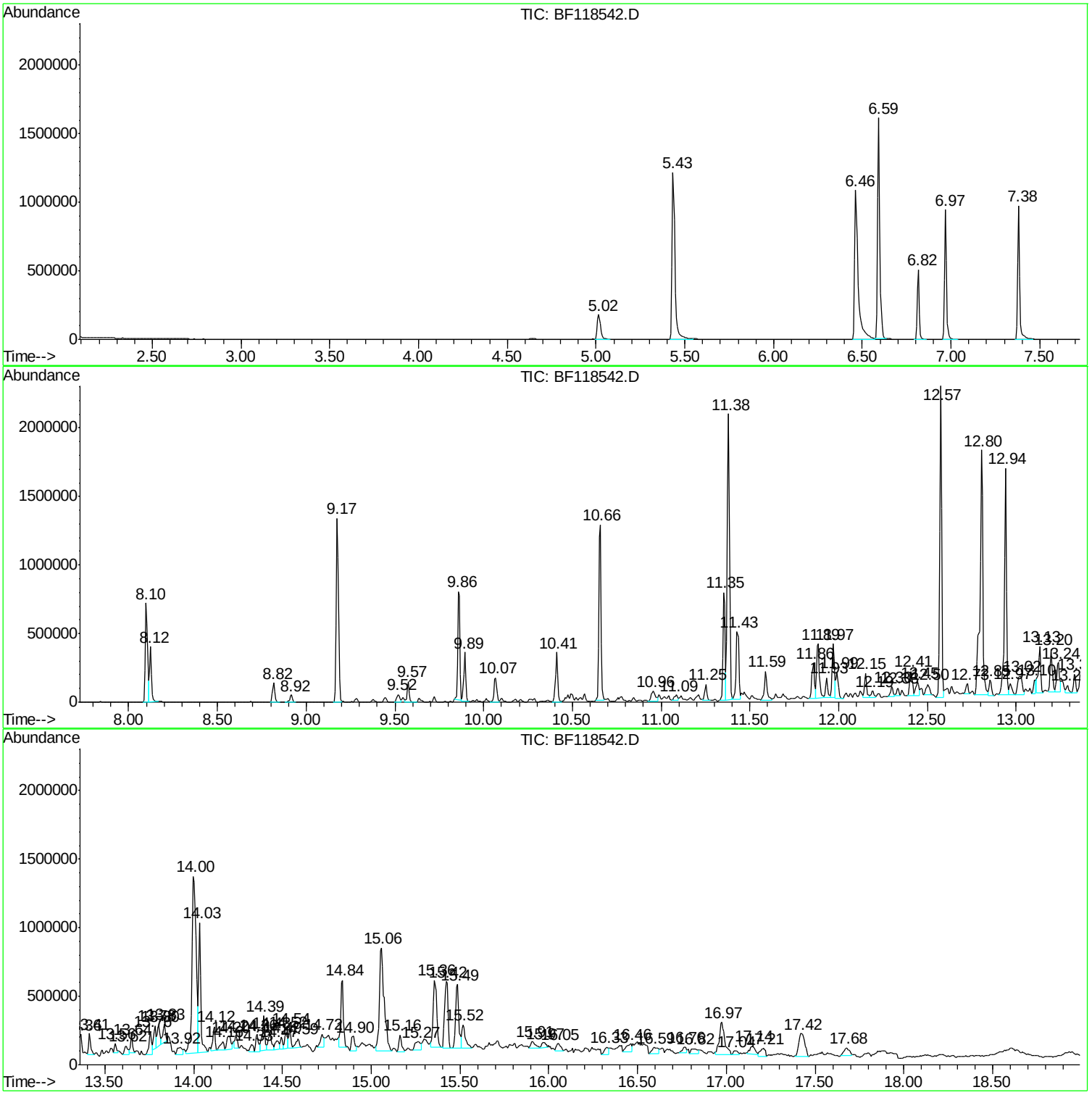
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118542.D
Acq On : 13 Jan 2020 20:37
Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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\BF011320\
Data File : BF118542.D
Acq On : 13 Jan 2020 20:37
Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

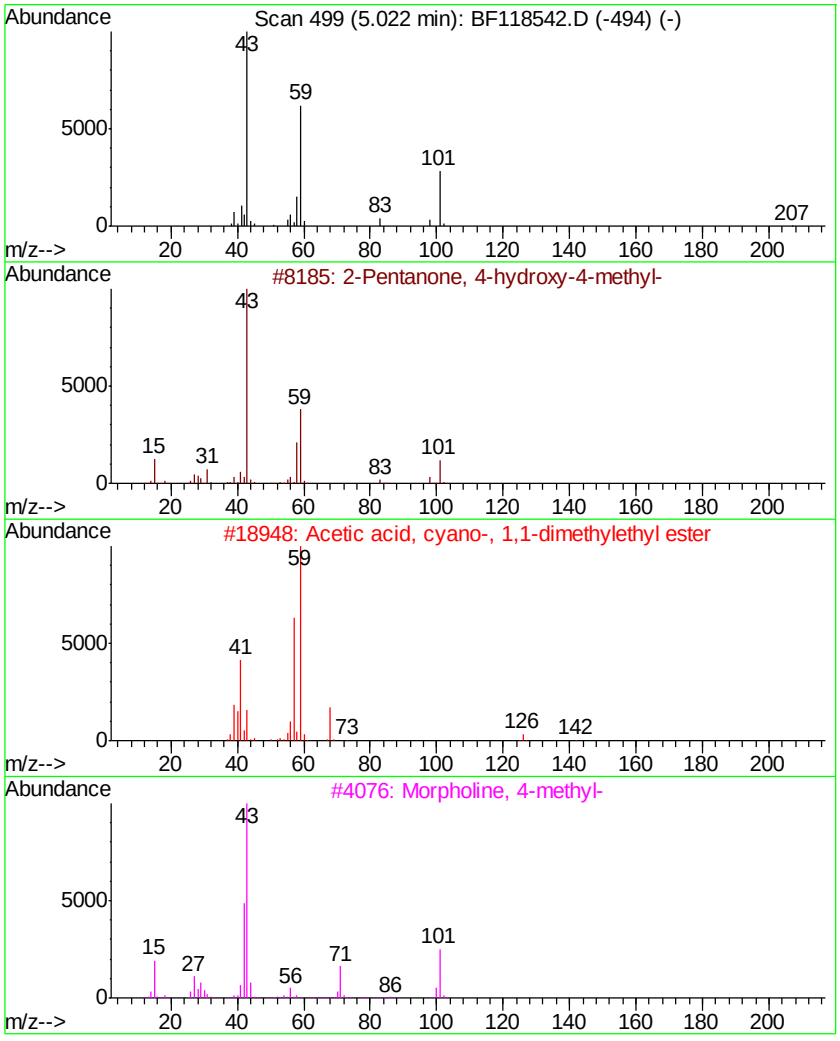
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

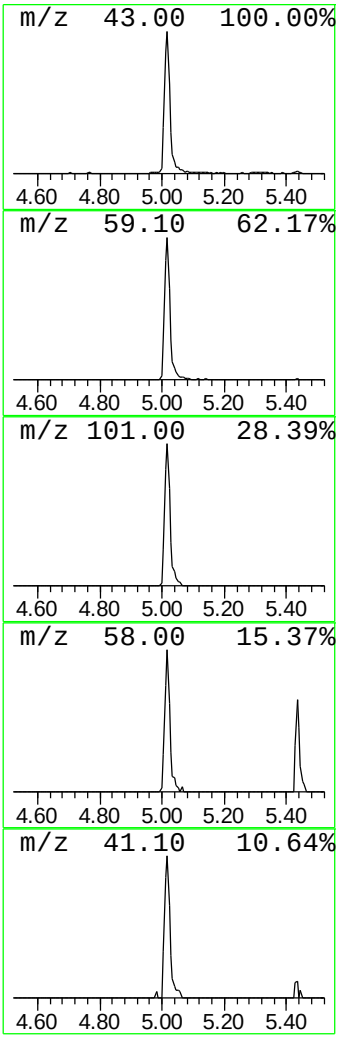
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	9.96 ng	212075	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118542.D
Acq On : 13 Jan 2020 20:37
Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

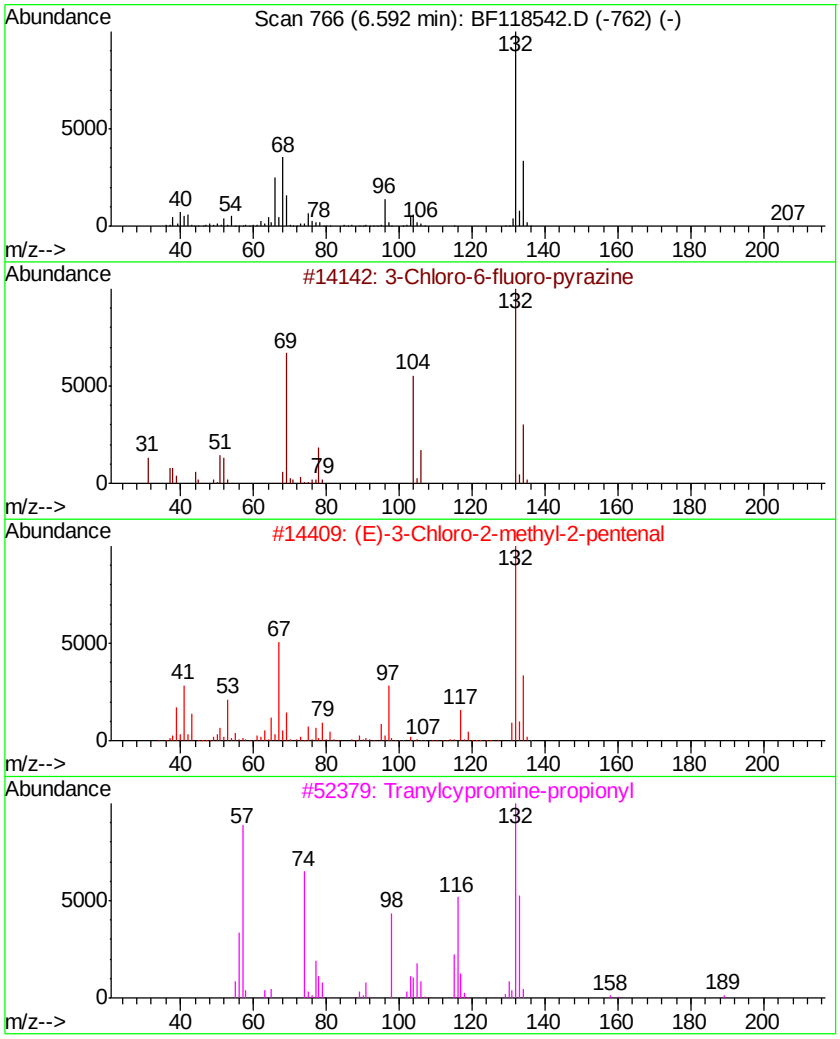
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

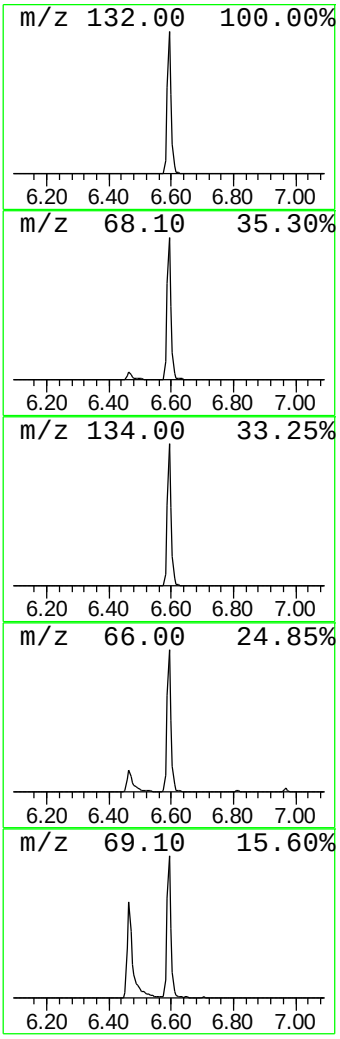
****

Peak Number 2 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	68.61 ng	1461490	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118542.D
Acq On : 13 Jan 2020 20:37
Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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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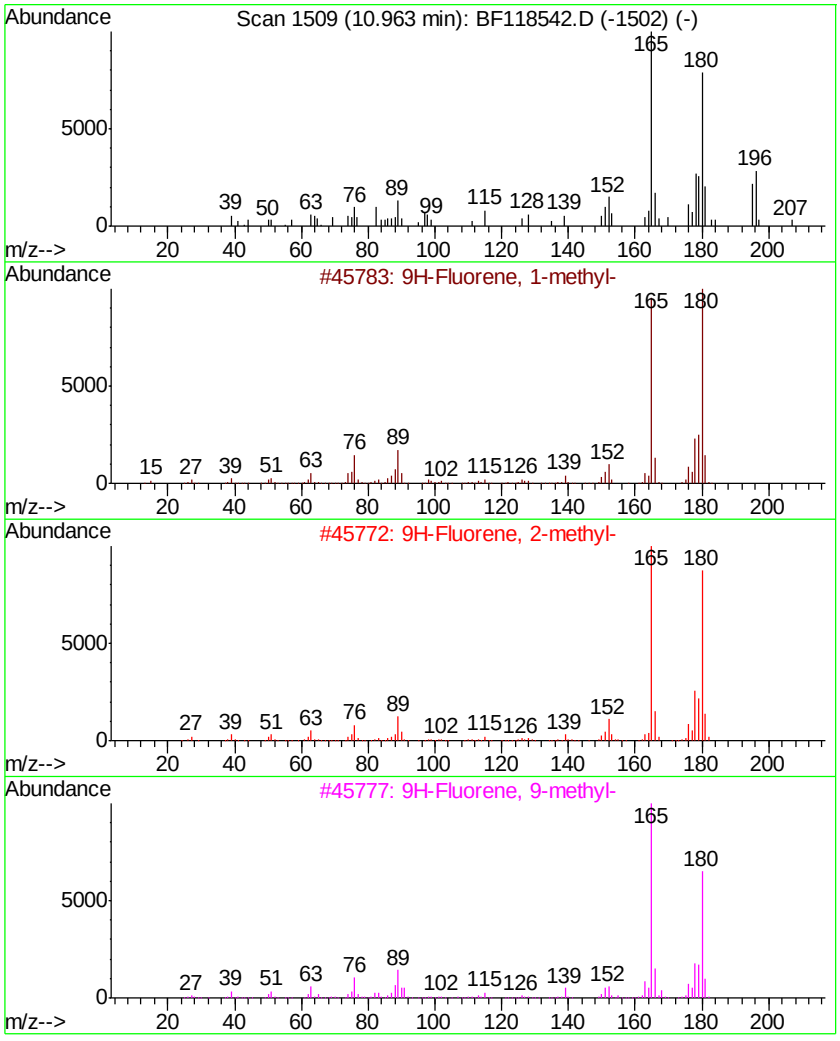
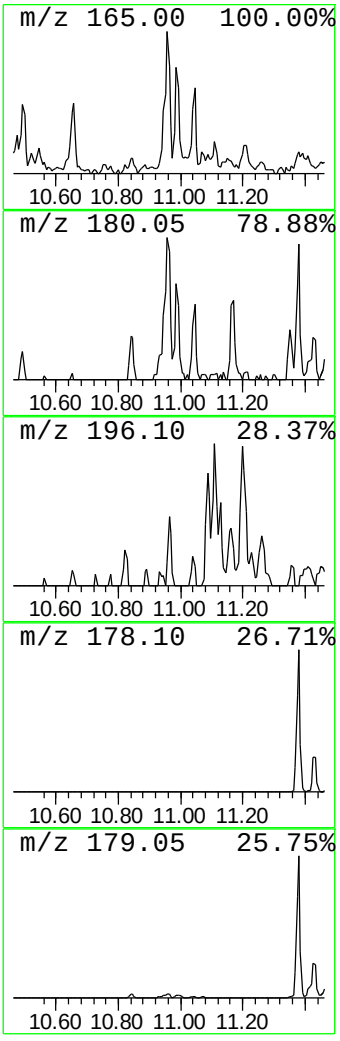
Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	3.74 ng	133232	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118542.D
Acq On : 13 Jan 2020 20:37
Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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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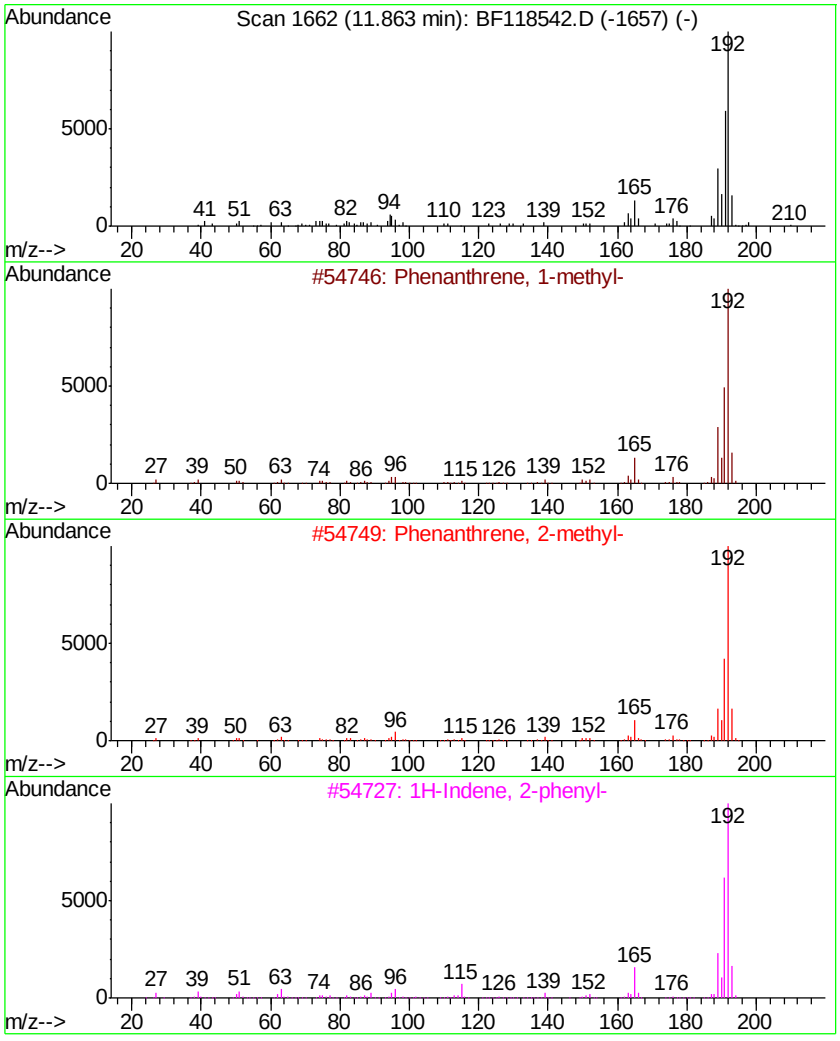
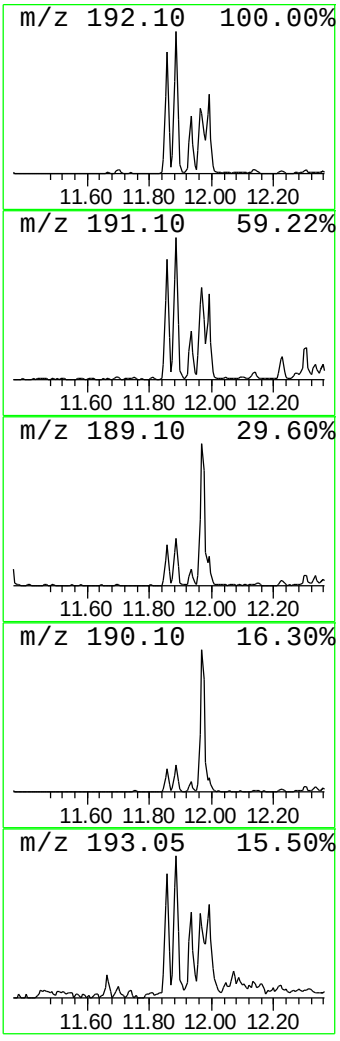
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.27 ng	223364	Phenanthrene-d10	11.35

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118542.D
Acq On : 13 Jan 2020 20:37
Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

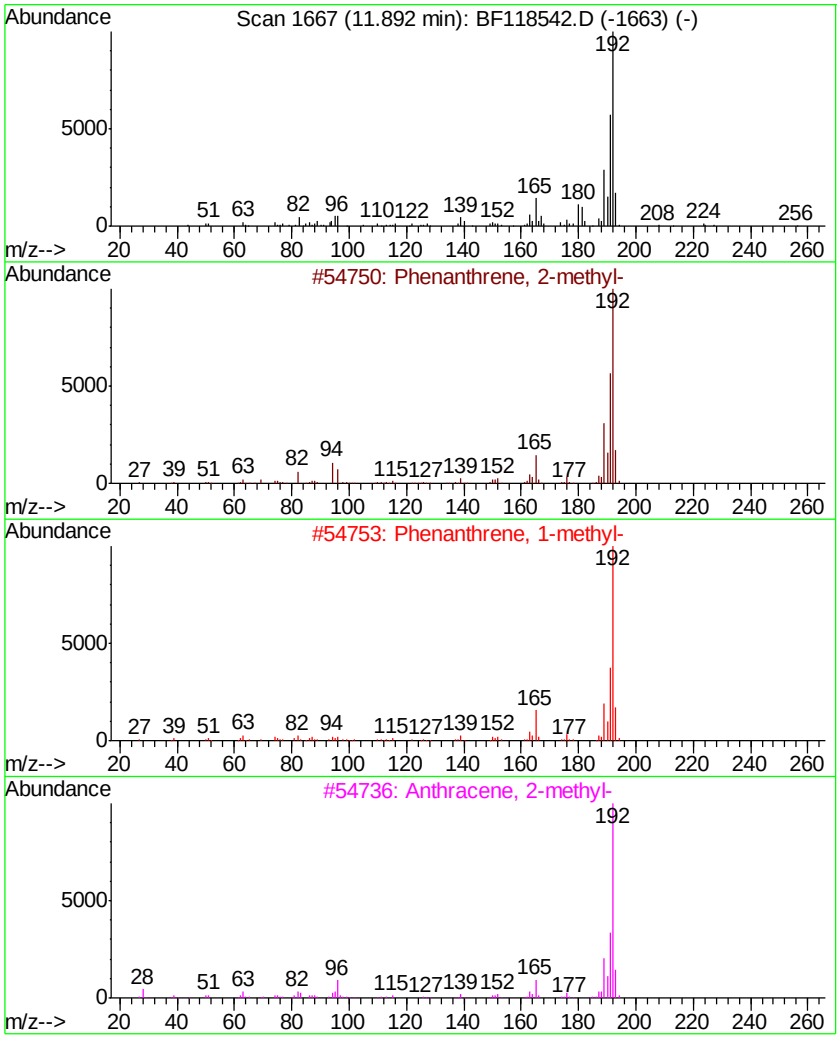
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

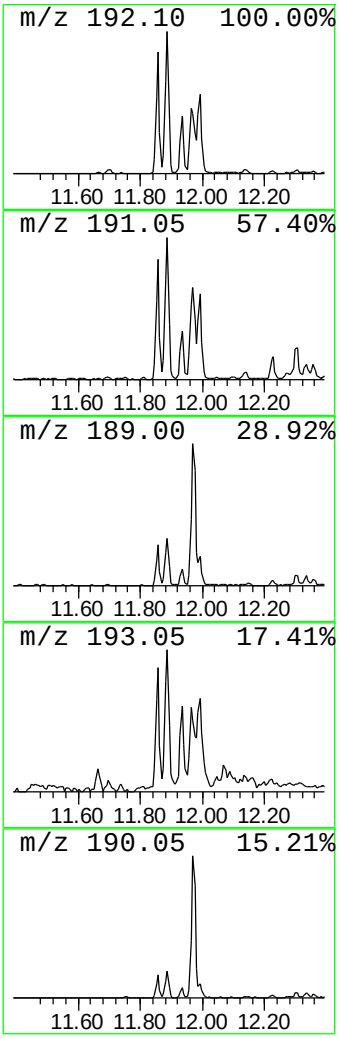
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	12.13 ng	432209	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	92
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Acq On : 13 Jan 2020 20:37
Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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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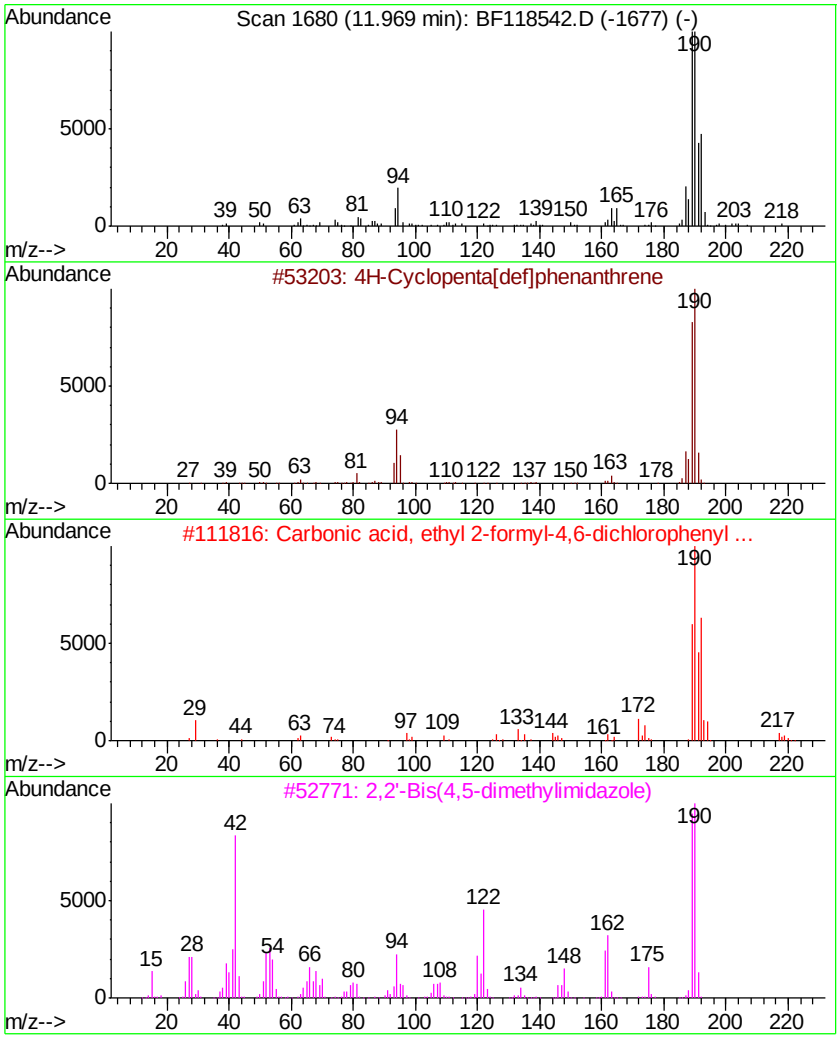
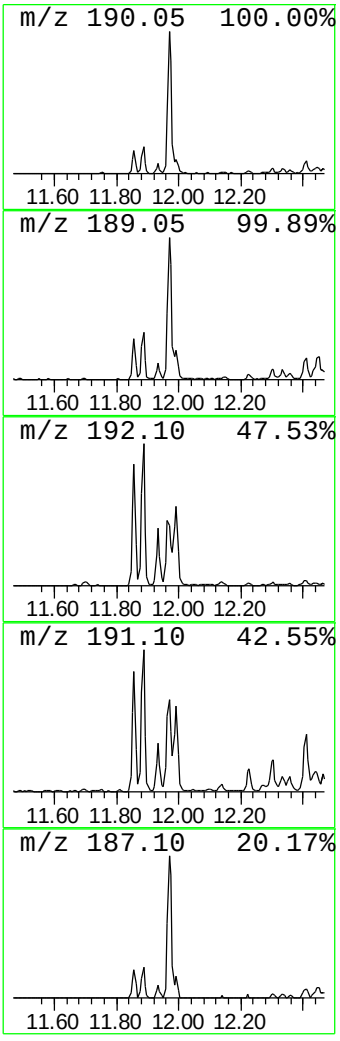
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	11.12 ng	396193	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	16
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	12





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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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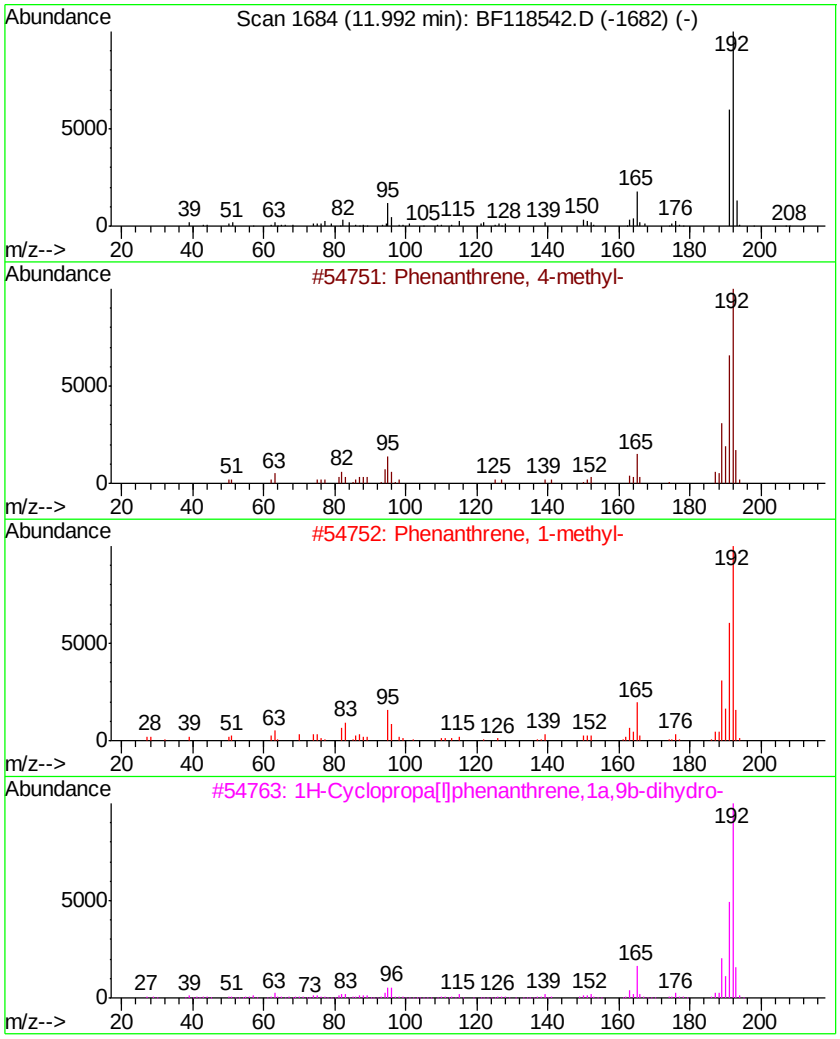
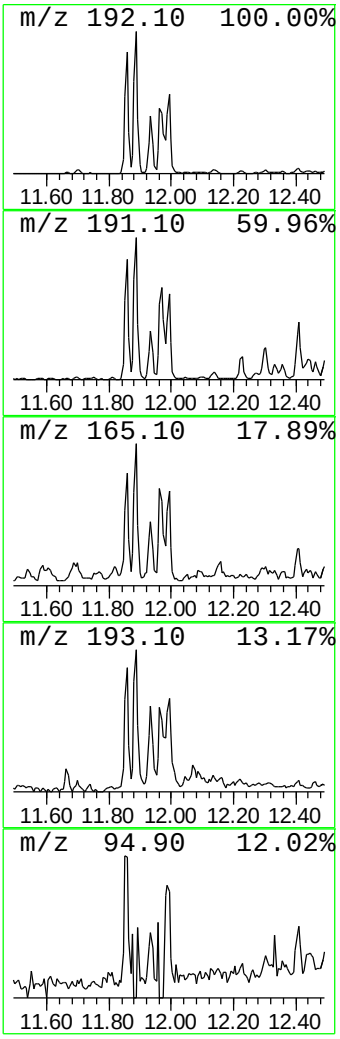
Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	4.45 ng	158520	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80





Library Search Compound Report

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Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId : CIY1-BC-SB-04-0-5

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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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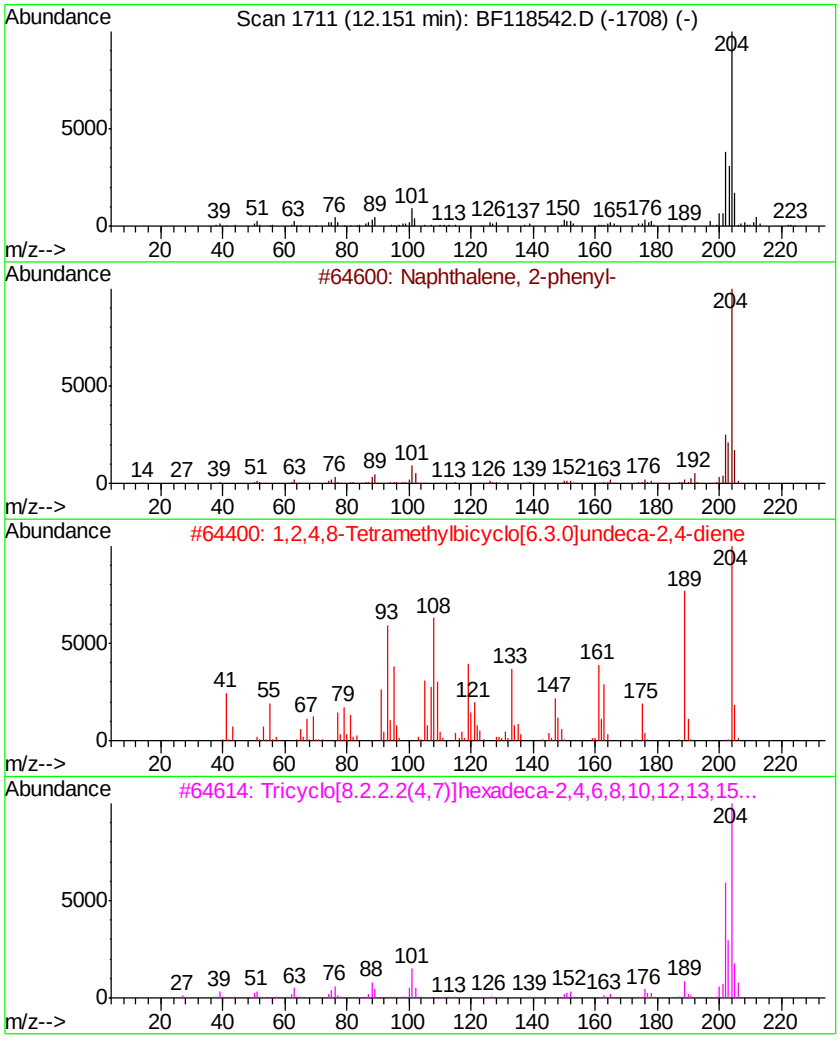
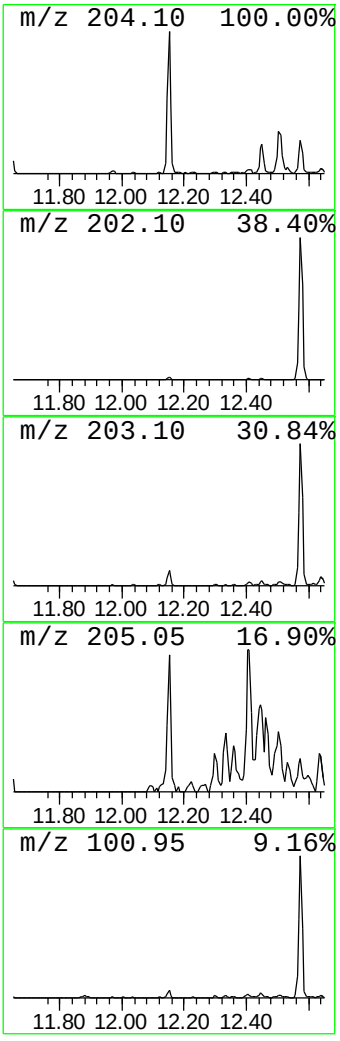
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	4.70 ng	167561	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





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Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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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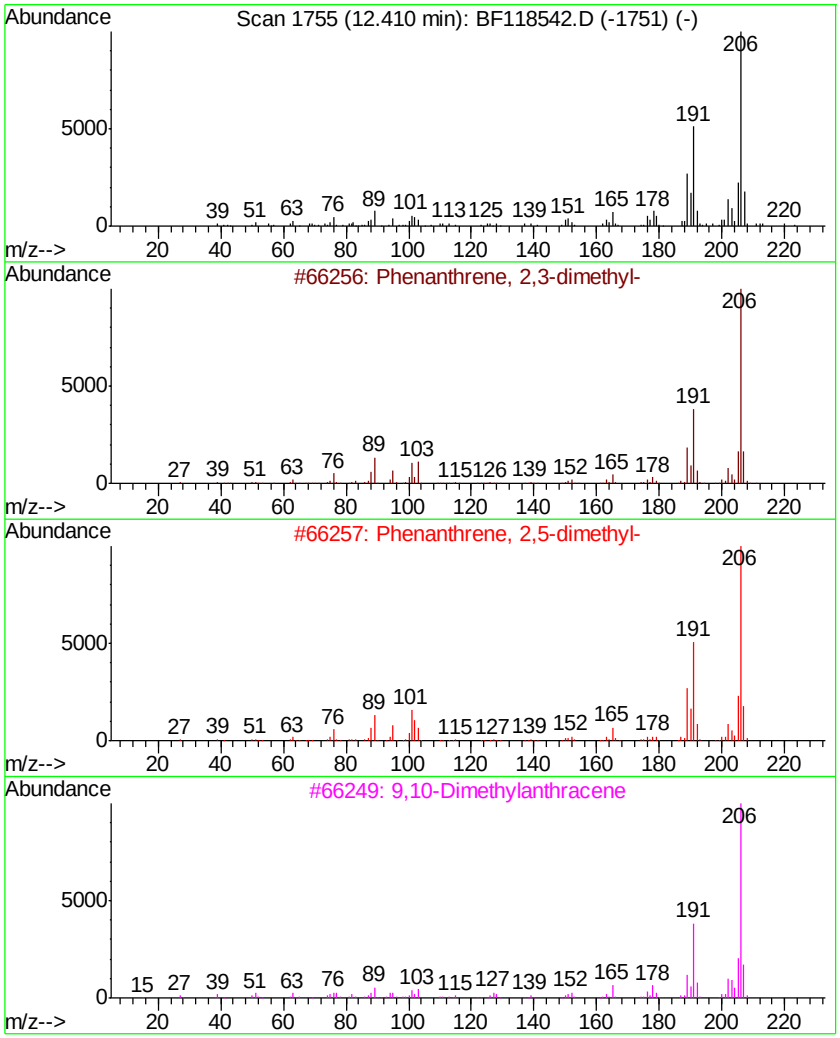
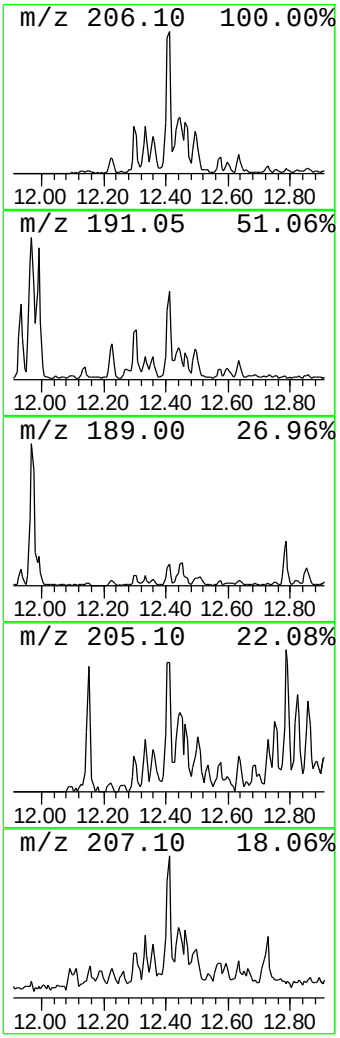
Peak Number 10 Phenanthrene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	5.17 ng	184295	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	81





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Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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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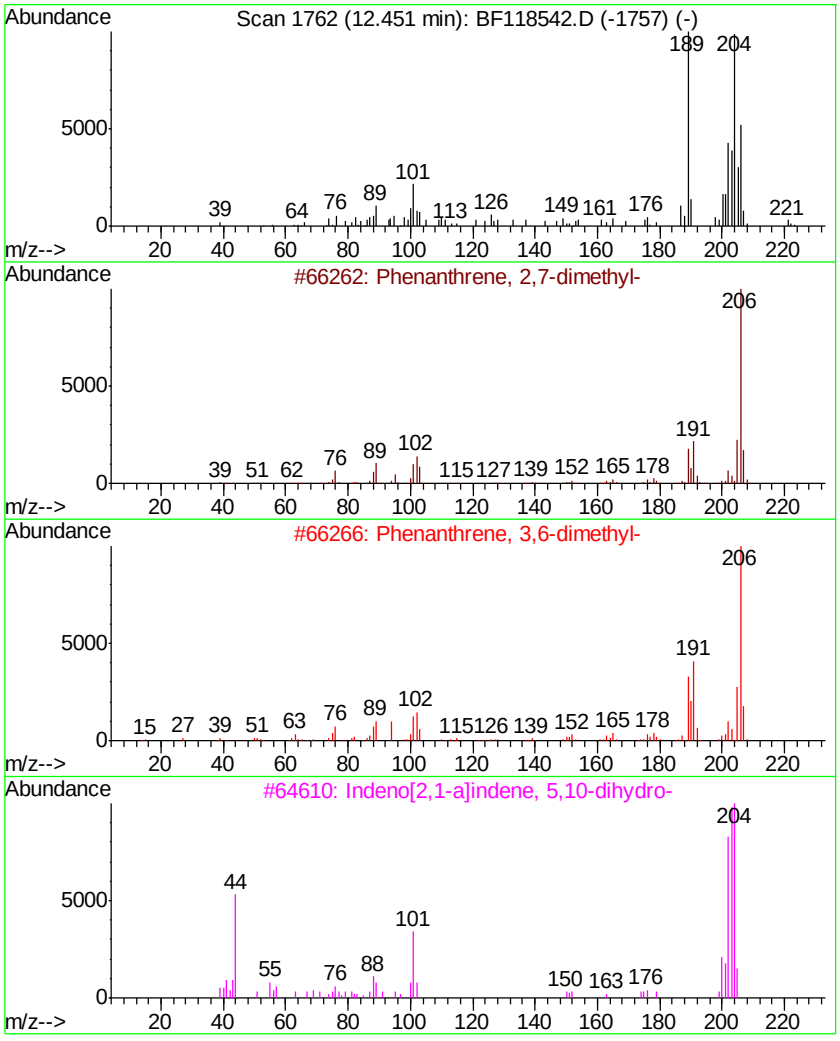
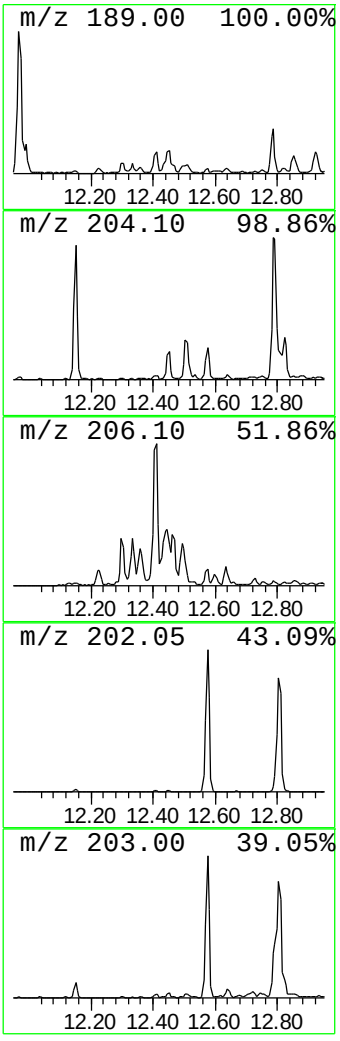
Peak Number 11 Phenanthrene, 2,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	3.76 ng	134127	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	70
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	50
3	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	45
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	44
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	42





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Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

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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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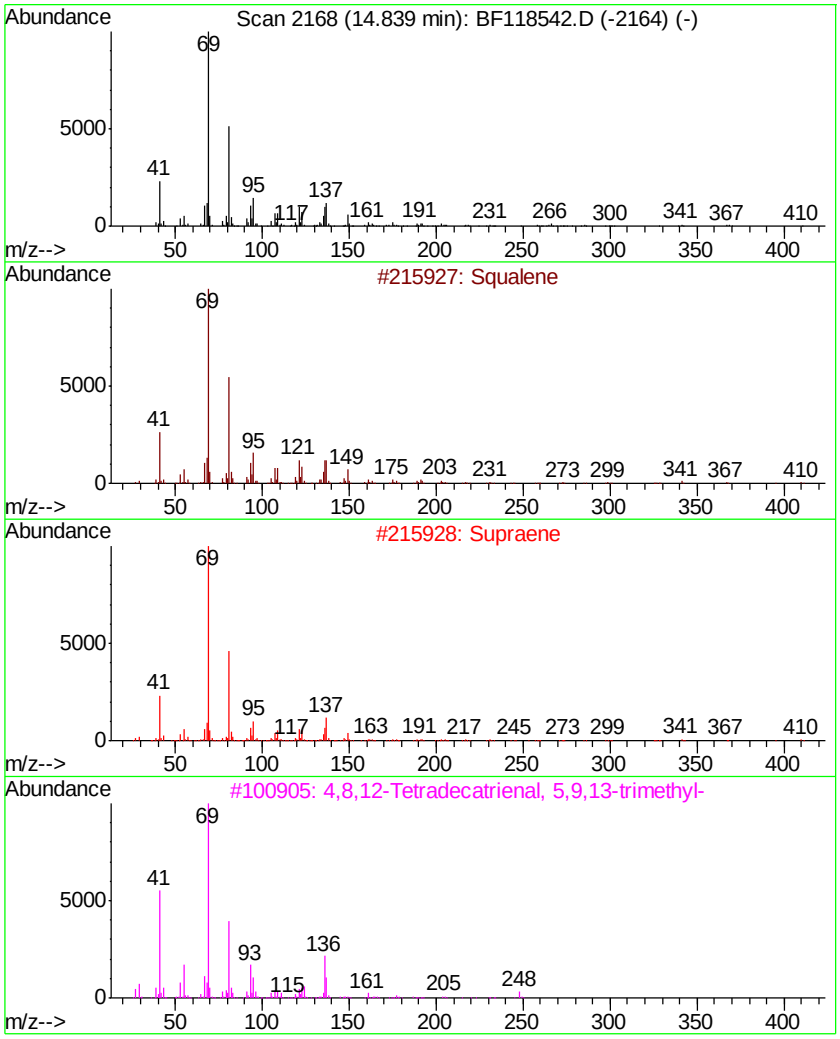
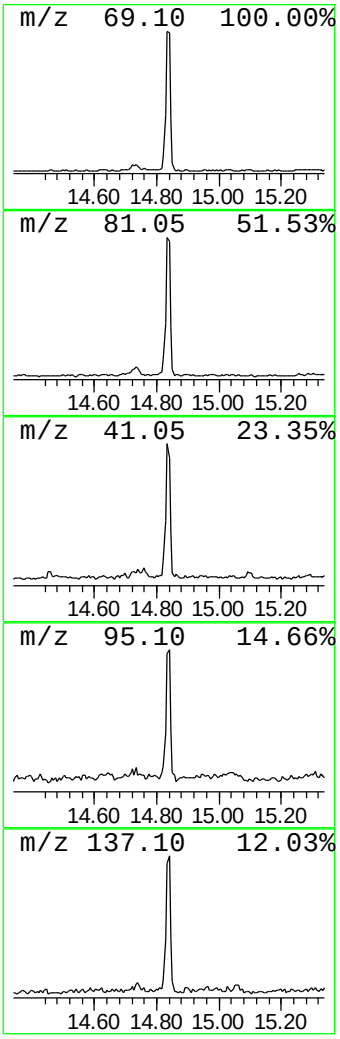
Peak Number 12 Squalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	16.54 ng	524104	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	99
2	Supraene	410	C30H50	007683-64-9	97
3	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	64
4	5,9,13-Pentadecatrien-2-one, 6,1...	262	C18H30O	001117-52-8	59
5	4-Methyl-1,5-Heptadiene	110	C8H14	000998-94-7	50





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Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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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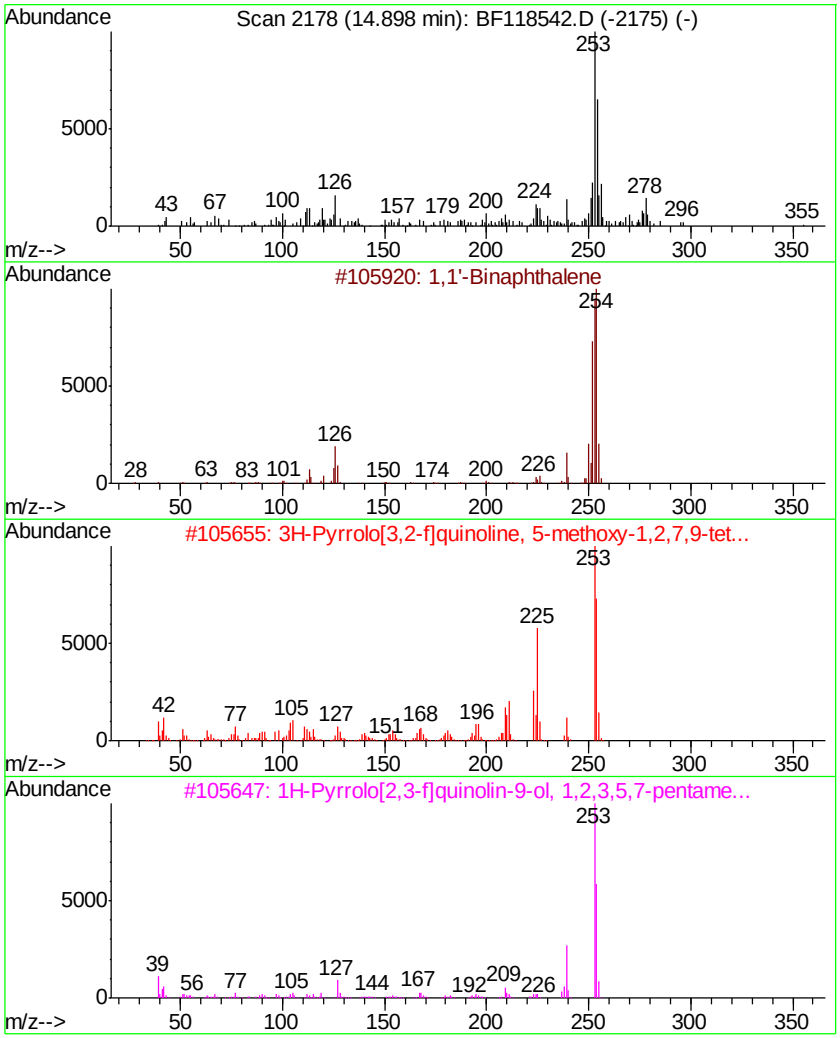
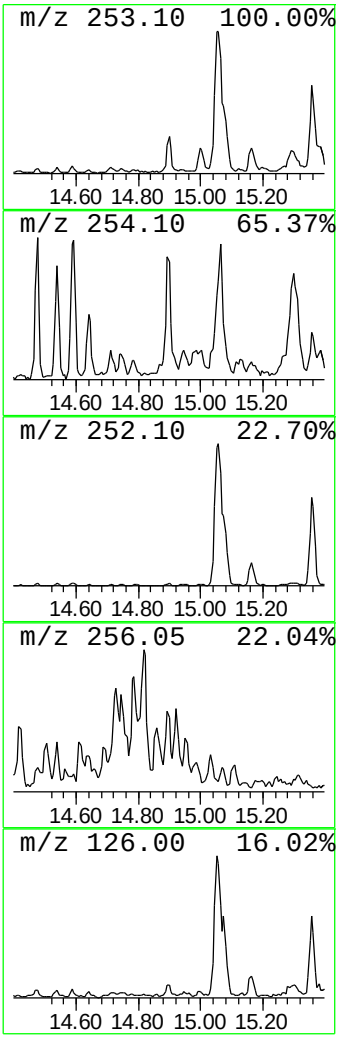
Peak Number 13 1,1'-Binaphthalene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	4.33 ng	137345	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	86
2	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	60
3	1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	60
4	Azacyclotridecan-2-one, 1-(3-ami...	254	C15H30N2O	064414-61-5	56
5	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	53





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ALS Vial : 12 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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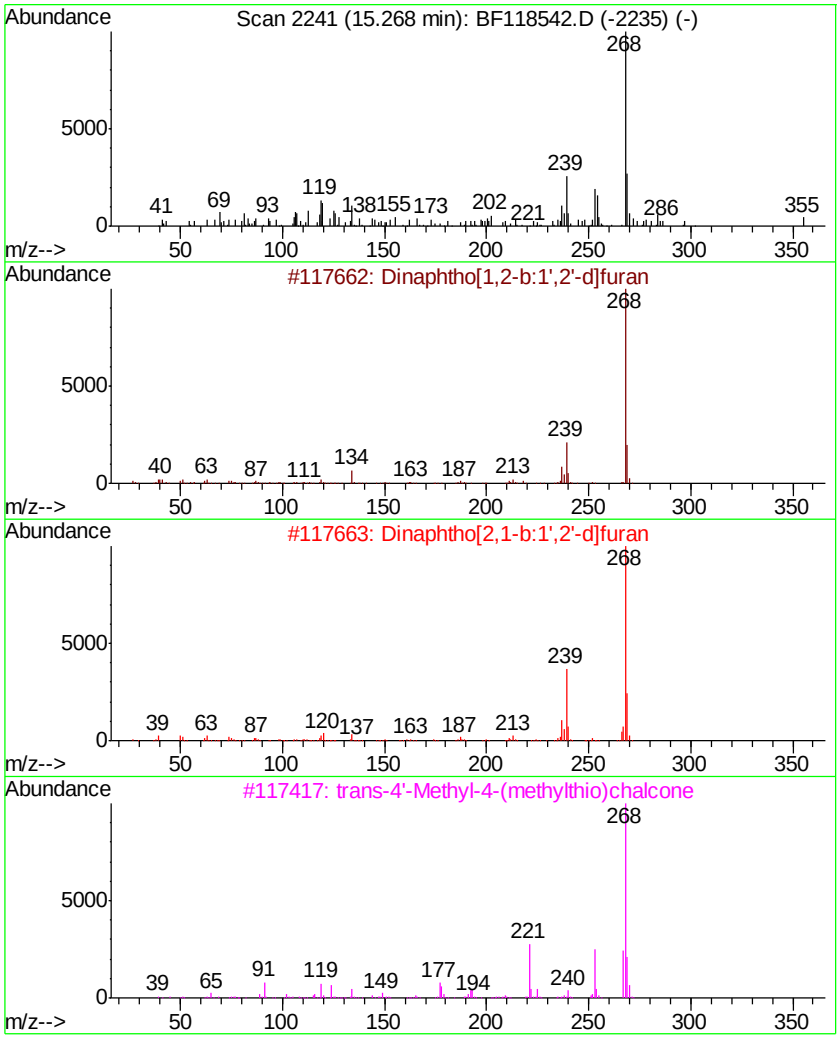
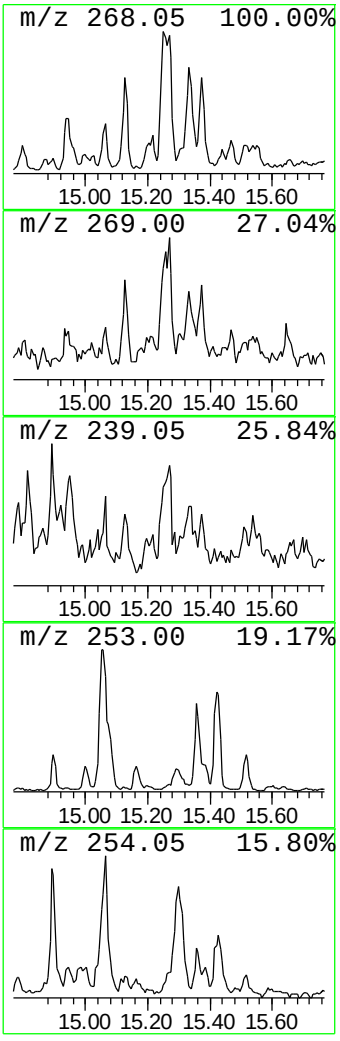
Peak Number 15 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	4.02 ng	127332	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	64
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	62
3	trans-4'-Methyl-4-(methylthio)ch...	268	C17H16OS	126443-27-4	52
4	Phthalazine-1,4(2H,3H)-dione, 2-...	268	C15H12N2O3	298228-25-8	50
5	Acetic acid, perylen-3-yl ester	310	C22H14O2	1000311-67-7	50





Library Search Compound Report

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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

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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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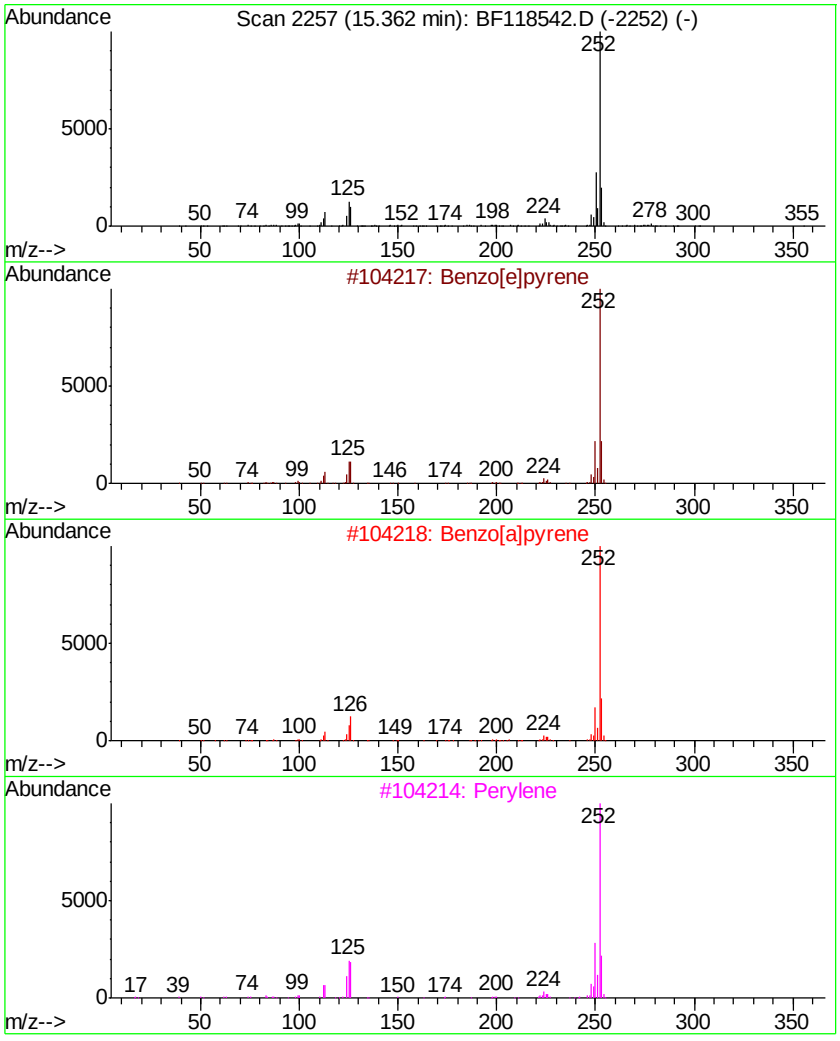
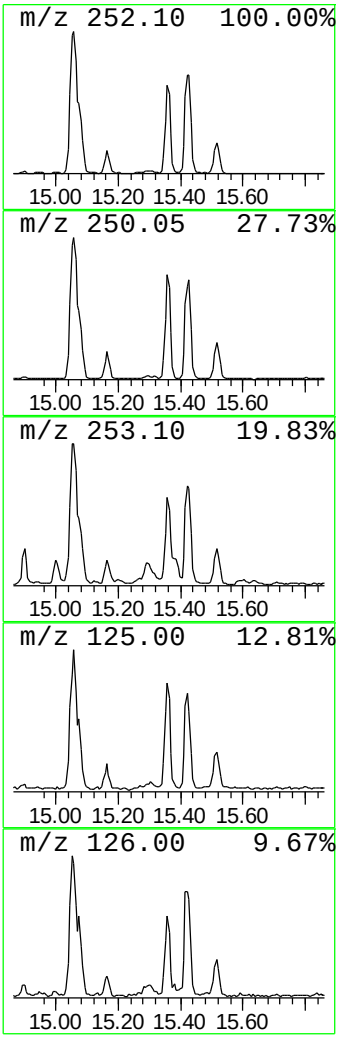
Peak Number 16 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	19.67 ng	623364	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

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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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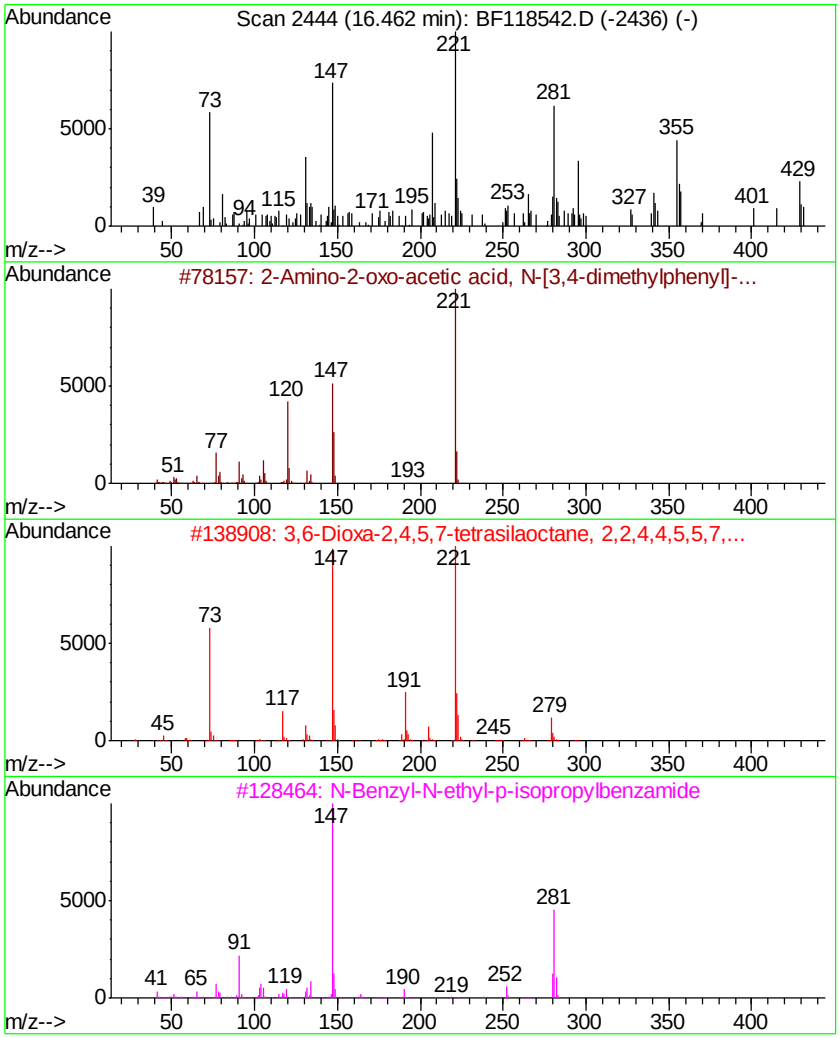
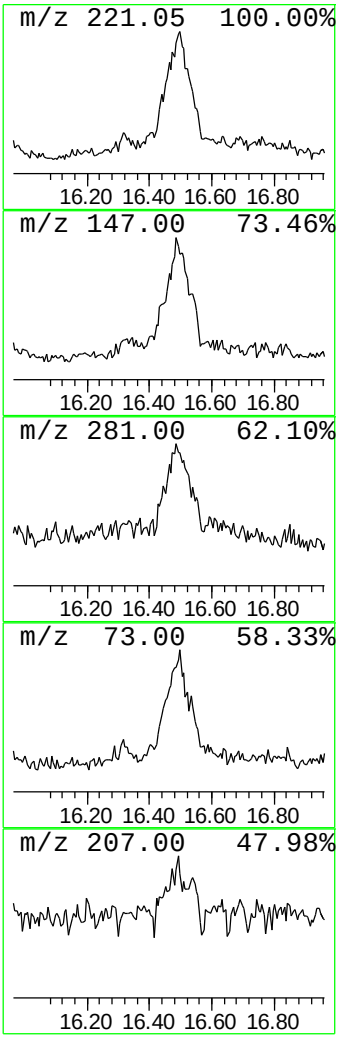
Peak Number 17 unknown16.46 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	4.08 ng	129146	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Amino-2-oxo-acetic acid, N-[3,...	221	C12H15NO3	024451-17-0	38
2	3,6-Dioxa-2,4,5,7-tetrasilaoctan...	294	C10H30O2Si4	004342-25-0	32
3	N-Benzyl-N-ethyl-p-isopropylbenz...	281	C19H23NO	015089-22-2	30
4	Pentasiloxane, dodecamethyl-	384	C12H36O4Si5	000141-63-9	22
5	(E)-2-Hydroxy-4'-cyano-stilbene	221	C15H11NO	1000147-85-5	18





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Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

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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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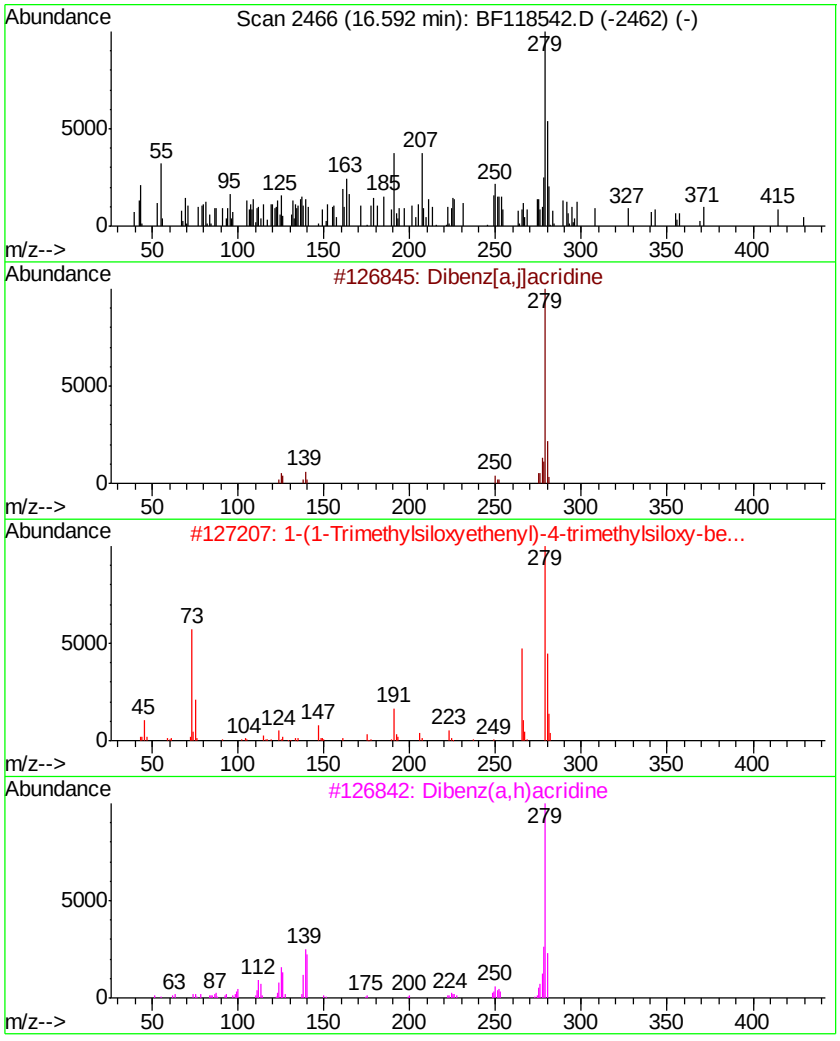
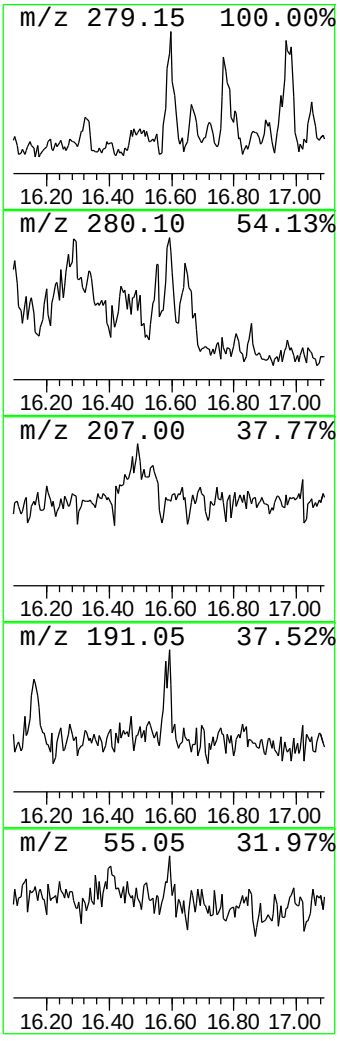
Peak Number 18 Dibenz[a,j]acridine Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	3.84 ng	121586	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,j]acridine	279	C21H13N	000224-42-0	53
2	1-(1-Trimethylsiloxyethenyl)-4-t...	280	C14H24O2Si2	060068-18-0	53
3	Dibenz(a,h)acridine	279	C21H13N	000226-36-8	46
4	3-(4-Amino-6-quinolylazo)-2,6-py...	279	C14H13N7	100708-89-2	43
5	Dibenz(a,c)acridine	279	C21H13N	000215-62-3	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118542.D
Acq On : 13 Jan 2020 20:37
Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

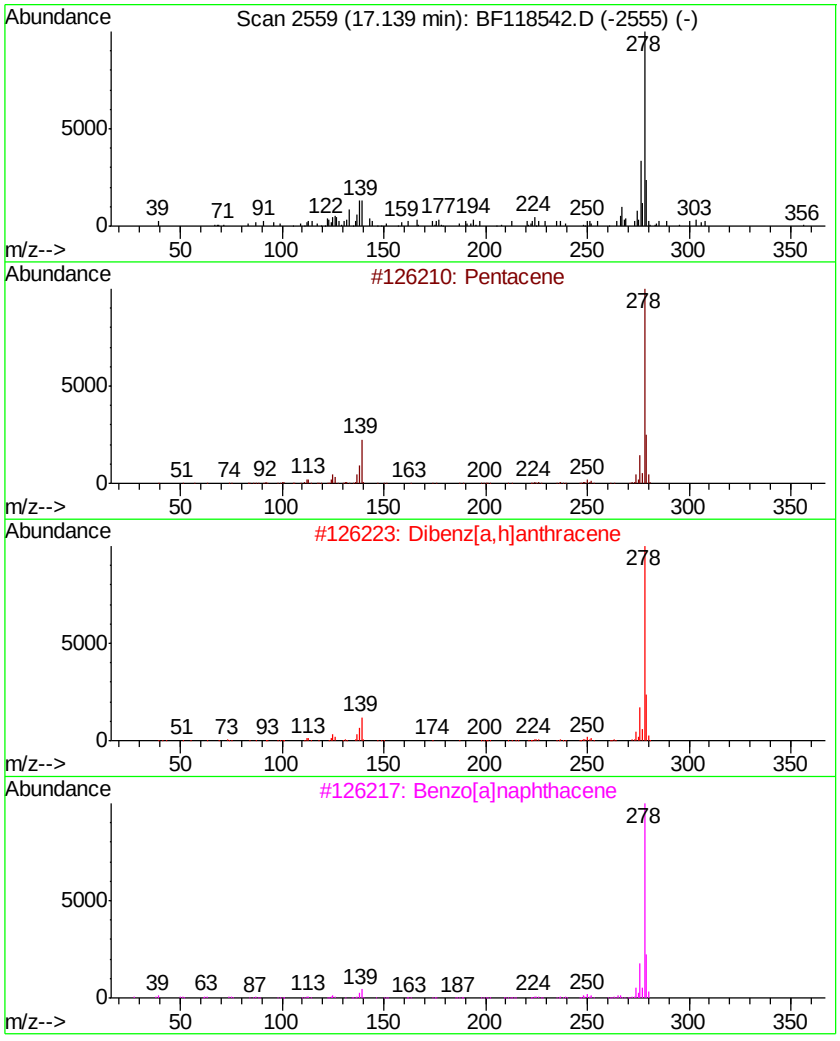
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

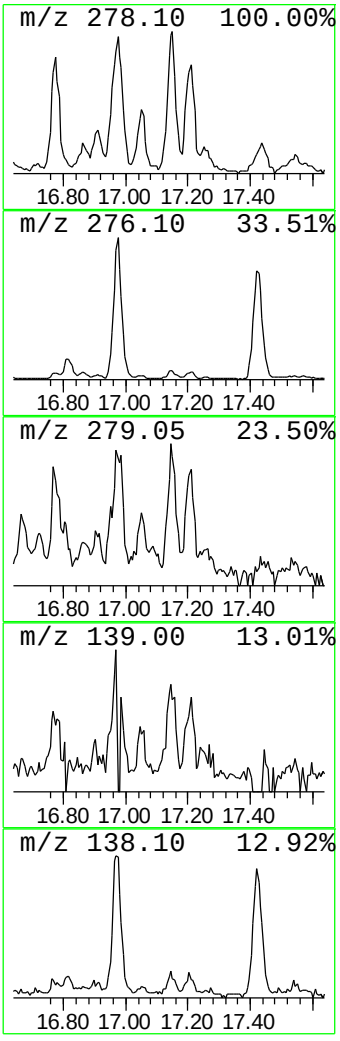
****

Peak Number 19 Pentacene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.14	3.85 ng	122137	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacene	278	C22H14	000135-48-8	76
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	76
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	74
4	Picene	278	C22H14	000213-46-7	70
5	Pentaphene	278	C22H14	000222-93-5	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118542.D
Acq On : 13 Jan 2020 20:37
Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.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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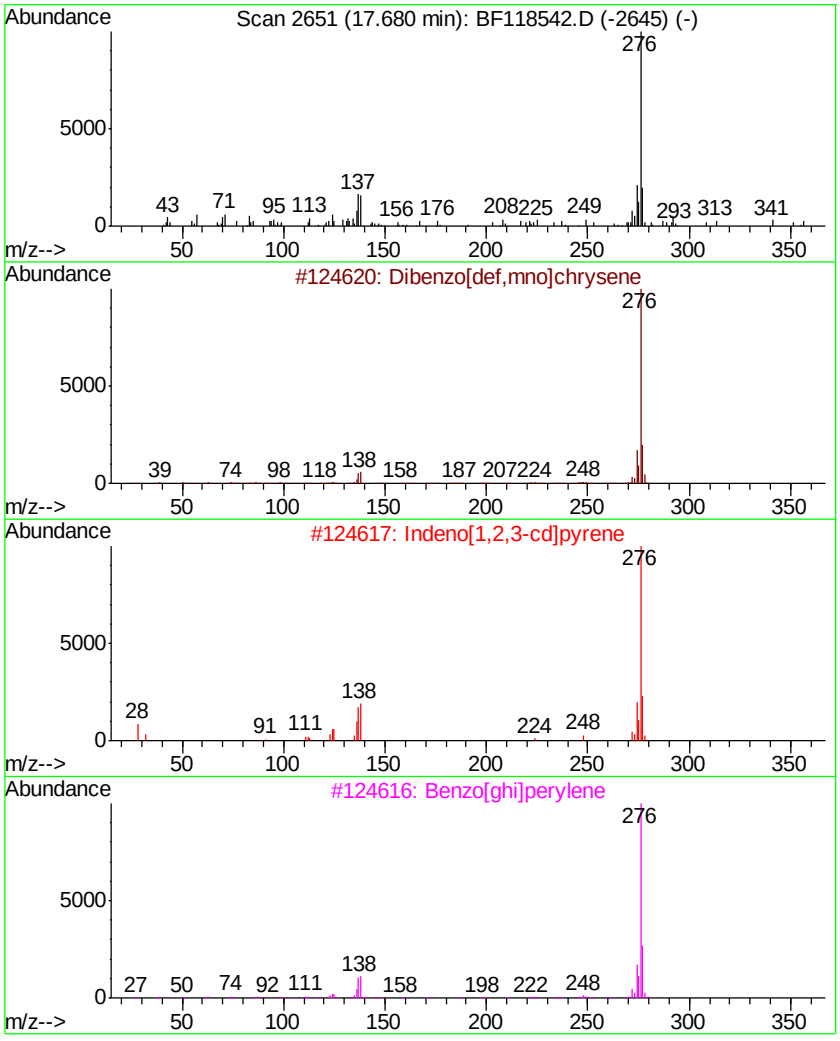
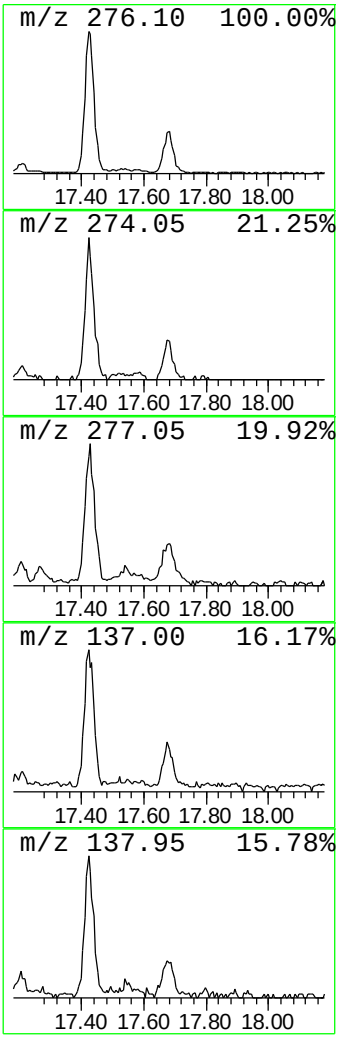
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.68	3.77 ng	119603	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	81
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	81
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	74
4	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	50
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011320\
Data File : BF118542.D
Acq On : 13 Jan 2020 20:37
Operator : JU
Sample : L1106-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CIY1-BC-SB-04-0-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.02	10.0	ng	212075	1	6.82	426037	20.0
unknown6.59	6.59	68.6	ng	1461490	1	6.82	426037	20.0
9H-Fluorene, 1-me...	10.96	3.7	ng	133232	4	11.35	712867	20.0
Phenanthrene, 1-m...	11.86	6.3	ng	223364	4	11.35	712867	20.0
Phenanthrene, 2-m...	11.89	12.1	ng	432209	4	11.35	712867	20.0
4H-Cyclopenta[def...	11.97	11.1	ng	396193	4	11.35	712867	20.0
Phenanthrene, 4-m...	11.99	4.5	ng	158520	4	11.35	712867	20.0
Naphthalene, 2-ph...	12.15	4.7	ng	167561	4	11.35	712867	20.0
Phenanthrene, 2,3...	12.41	5.2	ng	184295	4	11.35	712867	20.0
Phenanthrene, 2,7...	12.45	3.8	ng	134127	4	11.35	712867	20.0
Squalene	14.84	16.5	ng	524104	6	15.49	633713	20.0
1,1'-Binaphthalene	14.90	4.3	ng	137345	6	15.49	633713	20.0
Dinaphtho[1,2-b:1...	15.27	4.0	ng	127332	6	15.49	633713	20.0
Benzo[e]pyrene	15.36	19.7	ng	623364	6	15.49	633713	20.0
unknown16.46	16.46	4.1	ng	129146	6	15.49	633713	20.0
Dibenz[a,j]acridine	16.59	3.8	ng	121586	6	15.49	633713	20.0
Pentacene	17.14	3.9	ng	122137	6	15.49	633713	20.0
Dibenzo[def,mno]c...	17.68	3.8	ng	119603	6	15.49	633713	20.0