LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118839.D
Acq On : 6 Feb 2020 16:14
Operator : CG/JU
Sample : L1408-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-B

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-BF020320.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	2.163	8	13	19	rVB	67545	91891	1.76%	0.121%
2	5.022	496	499	508	rVB	149823	185322	3.55%	0.244%
3	5.434	564	569	572	rBV	3947390	3692322	70.70%	4.870%
4	6.445	736	741	755	rBV	3745812	3788406	72.54%	4.997%
5	6.810	800	803	807	rBV	1318228	1178413	22.56%	1.554%
6	6.969	826	830	834	rBV	3843996	3396507	65.03%	4.480%
7	7.375	894	899	902	rBV	2526961	2530631	48.46%	3.338%
8	8.092	1017	1021	1024	rBV	1781199	1525713	29.21%	2.012%
9	9.169	1200	1204	1217	rBV	5526151	5114143	97.92%	6.745%
10	9.563	1267	1271	1279	rVB	421544	415898	7.96%	0.549%
11	9.704	1292	1295	1299	rBV	134601	122075	2.34%	0.161%
12	9.845	1314	1319	1323	rBV	1965943	1883388	36.06%	2.484%
13	9.880	1323	1325	1329	rVB2	73814	70621	1.35%	0.093%
14	10.051	1350	1354	1358	rBV	82072	73481	1.41%	0.097%
15	10.392	1409	1412	1418	rVB2	146091	150383	2.88%	0.198%
16	10.551	1436	1439	1448	rVB	105966	112871	2.16%	0.149%
17	10.633	1449	1453	1460	rBV	3594323	3516570	67.33%	4.638%
18	10.757	1471	1474	1481	rVB3	84110	105369	2.02%	0.139%
19	10.939	1501	1505	1508	rBV3	97113	133628	2.56%	0.176%
20	11.069	1523	1527	1529	rBV2	127473	131284	2.51%	0.173%
21	11.092	1529	1531	1536	rVV	125630	146845	2.81%	0.194%
22	11.139	1536	1539	1543	rVV3	68810	91611	1.75%	0.121%
23	11.180	1543	1546	1549	rVV	116319	137005	2.62%	0.181%
24	11.227	1552	1554	1559	rVB2	109822	122355	2.34%	0.161%
25	11.327	1567	1571	1574	rBV	2052435	2182038	41.78%	2.878%
26	11.357	1574	1576	1579	rVV	1514479	1248604	23.91%	1.647%
27	11.404	1579	1584	1587	rVV	722742	630693	12.08%	0.832%
28	11.439	1587	1590	1594	rVV2	98008	98028	1.88%	0.129%
29	11.627	1619	1622	1625	rVV	110280	92394	1.77%	0.122%
30	11.663	1625	1628	1633	rVB3	81003	96921	1.86%	0.128%
31	11.833	1651	1657	1659	rBV	403252	395412	7.57%	0.522%
32	11.863	1659	1662	1666	rVV	747827	761995	14.59%	1.005%
33	11.904	1666	1669	1672	rVV	330296	327891	6.28%	0.432%
34	11.945	1672	1676	1678	rVV	674146	761909	14.59%	1.005%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
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Acq On : 6 Feb 2020 16:14
Operator : CG/JU
Sample : L1408-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-B

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-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.963	1678	1679	1684	rVB	313229	241409	4.62%	0.318%
36	12.127	1701	1707	1709	rBV	345803	328559	6.29%	0.433%
37	12.151	1709	1711	1714	rVB2	105070	87850	1.68%	0.116%
38	12.274	1727	1732	1735	rBV2	127393	143492	2.75%	0.189%
39	12.310	1735	1738	1739	rVV	92873	87571	1.68%	0.115%
40	12.333	1739	1742	1744	rVB	93980	89693	1.72%	0.118%
41	12.380	1744	1750	1753	rBV	321714	384393	7.36%	0.507%
42	12.421	1753	1757	1759	rVV3	230248	320905	6.14%	0.423%
43	12.463	1762	1764	1770	rVV2	178978	259574	4.97%	0.342%
44	12.545	1774	1778	1781	rVV	3521708	3116871	59.68%	4.111%
45	12.586	1781	1785	1787	rVV2	135861	163505	3.13%	0.216%
46	12.604	1787	1788	1791	rVV2	105740	103393	1.98%	0.136%
47	12.639	1791	1794	1797	rVV	339275	390546	7.48%	0.515%
48	12.692	1801	1803	1810	rVV3	156937	273696	5.24%	0.361%
49	12.774	1810	1817	1820	rVV2	2750525	3351417	64.17%	4.420%
50	12.821	1822	1825	1830	rVB3	193276	257405	4.93%	0.339%
51	12.915	1837	1841	1844	rVB	5666689	5222612	100.00%	6.888%
52	12.992	1848	1854	1857	rBV3	302134	507938	9.73%	0.670%
53	13.074	1865	1868	1870	rBV2	232478	275482	5.27%	0.363%
54	13.098	1870	1872	1875	rVB	727409	626110	11.99%	0.826%
55	13.162	1875	1883	1886	rBV	558151	648552	12.42%	0.855%
56	13.204	1886	1890	1893	rBV2	434491	437713	8.38%	0.577%
57	13.262	1897	1900	1903	rBV3	94249	135045	2.59%	0.178%
58	13.292	1903	1905	1908	rVB	197885	175289	3.36%	0.231%
59	13.327	1908	1911	1917	rBV2	222681	246454	4.72%	0.325%
60	13.398	1920	1923	1928	rVB6	128087	168377	3.22%	0.222%
61	13.480	1933	1937	1938	rBV3	84441	103675	1.99%	0.137%
62	13.498	1938	1940	1942	rVV2	95598	103326	1.98%	0.136%
63	13.521	1942	1944	1947	rVB	100585	86460	1.66%	0.114%
64	13.580	1951	1954	1956	rBV2	89889	107032	2.05%	0.141%
65	13.604	1956	1958	1963	rVB	187533	225277	4.31%	0.297%
66	13.715	1972	1977	1980	rBV3	276100	375221	7.18%	0.495%
67	13.745	1980	1982	1984	rVV	323726	281711	5.39%	0.372%
68	13.768	1984	1986	1990	rVV2	238931	331800	6.35%	0.438%
69	13.815	1990	1994	2000	rVV3	691156	942805	18.05%	1.243%
70	13.886	2004	2006	2012	rVB3	85799	115303	2.21%	0.152%
71	13.962	2012	2019	2022	rBV2	2707540	3943669	75.51%	5.201%

LSC Area Percent Report

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Acq On : 6 Feb 2020 16:14
Operator : CG/JU
Sample : L1408-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-B

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-BF020320.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.992	2022	2024	2030	rVB	1588235	1475673	28.26%	1.946%
73	14.074	2035	2038	2040	rVV	193255	212552	4.07%	0.280%
74	14.109	2041	2044	2046	rVV	271497	282605	5.41%	0.373%
75	14.133	2046	2048	2050	rVV3	160030	197349	3.78%	0.260%
76	14.186	2054	2057	2061	rVV3	146308	224870	4.31%	0.297%
77	14.315	2077	2079	2081	rBV	107677	103265	1.98%	0.136%
78	14.351	2081	2085	2088	rVV	411757	492133	9.42%	0.649%
79	14.386	2088	2091	2094	rVV	231933	227850	4.36%	0.301%
80	14.445	2097	2101	2104	rVV2	317741	472744	9.05%	0.624%
81	14.474	2104	2106	2108	rVV	238468	240282	4.60%	0.317%
82	14.498	2108	2110	2114	rVB2	251867	234477	4.49%	0.309%
83	14.662	2134	2138	2140	rBV2	95499	153947	2.95%	0.203%
84	14.739	2148	2151	2154	rBV2	179595	187557	3.59%	0.247%
85	14.821	2161	2165	2166	rBV3	111860	136017	2.60%	0.179%
86	14.904	2176	2179	2182	rVB2	69733	78516	1.50%	0.104%
87	14.998	2190	2195	2203	rBV	1305897	2665529	51.04%	3.516%
88	15.074	2205	2208	2210	rVV	186310	215358	4.12%	0.284%
89	15.104	2210	2213	2219	rVB	342099	394561	7.55%	0.520%
90	15.204	2224	2230	2233	rBV2	99167	216599	4.15%	0.286%
91	15.292	2240	2245	2251	rVB	811858	1046051	20.03%	1.380%
92	15.351	2251	2255	2261	rBV	1263282	1573515	30.13%	2.075%
93	15.415	2261	2266	2269	rVV	1509132	1927368	36.90%	2.542%
94	15.445	2269	2271	2278	rVB2	451072	557891	10.68%	0.736%
95	15.874	2341	2344	2349	rVB4	92678	137272	2.63%	0.181%
96	16.845	2503	2509	2517	rVB2	550968	1087649	20.83%	1.435%
97	17.015	2534	2538	2542	rBV	117713	158593	3.04%	0.209%
98	17.068	2544	2547	2554	rVB3	84852	151014	2.89%	0.199%
99	17.274	2576	2582	2593	rVB	380503	798103	15.28%	1.053%
100	17.503	2617	2621	2627	rVB	106157	198013	3.79%	0.261%

Sum of corrected areas: 75820100

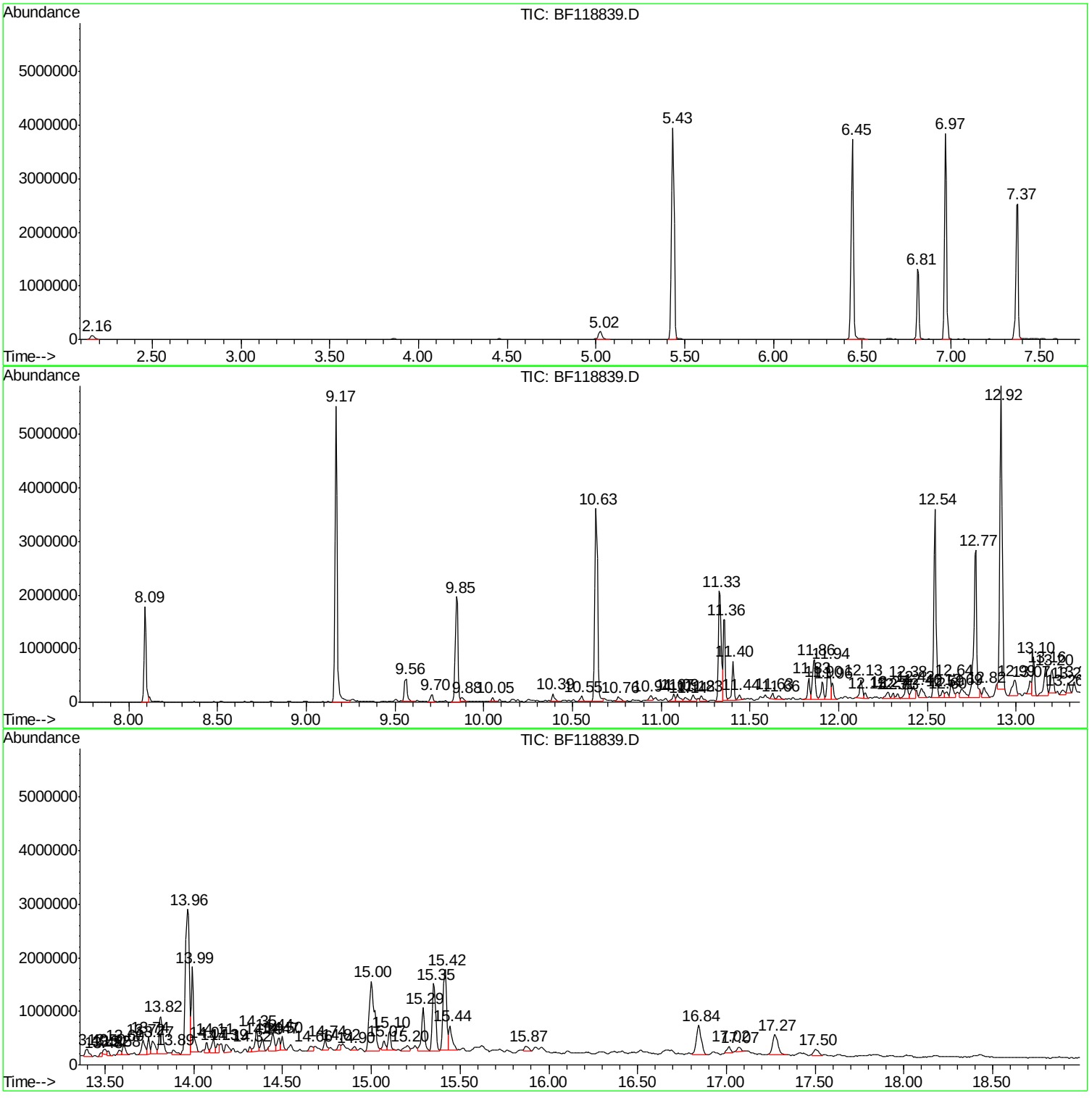
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118839.D
Acq On : 6 Feb 2020 16:14
Operator : CG/JU
Sample : L1408-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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\BF020620\
Data File : BF118839.D
Acq On : 6 Feb 2020 16:14
Operator : CG/JU
Sample : L1408-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

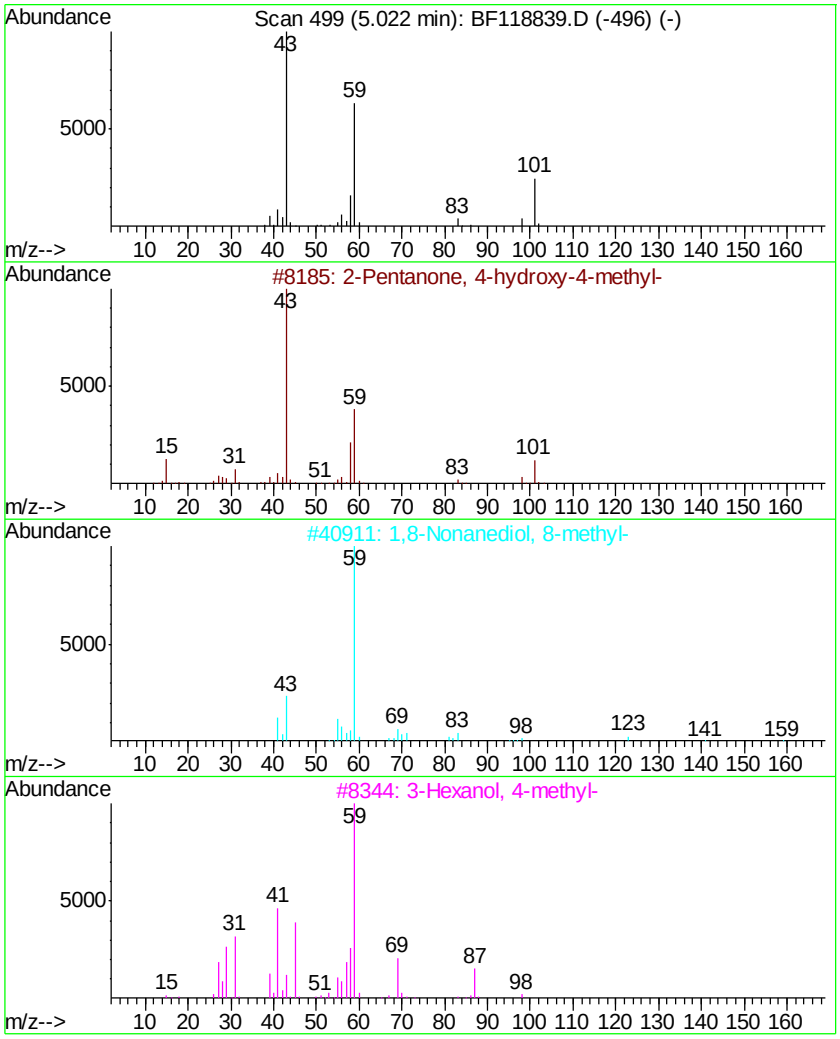
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

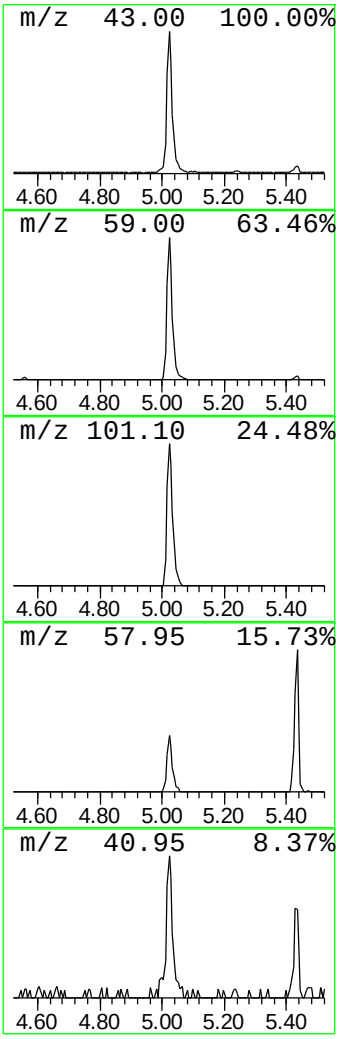
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	3.15 ng	185322	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	56
2	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	25
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	25
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
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Operator : CG/JU
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

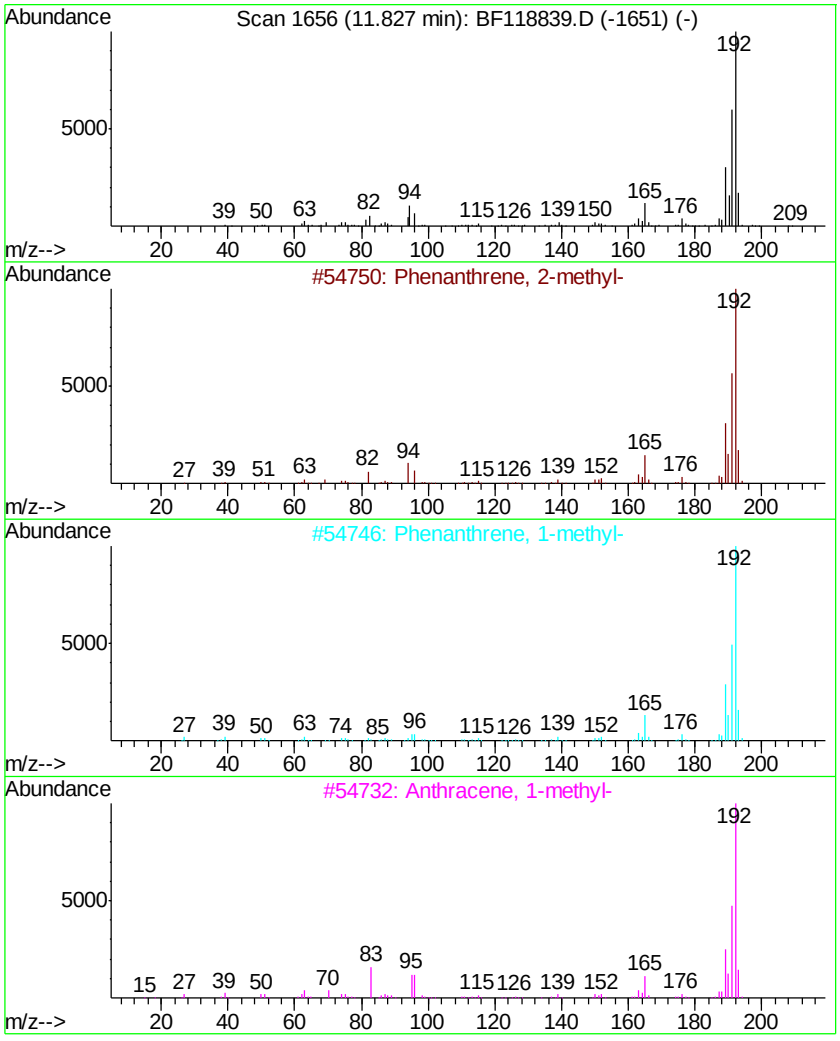
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

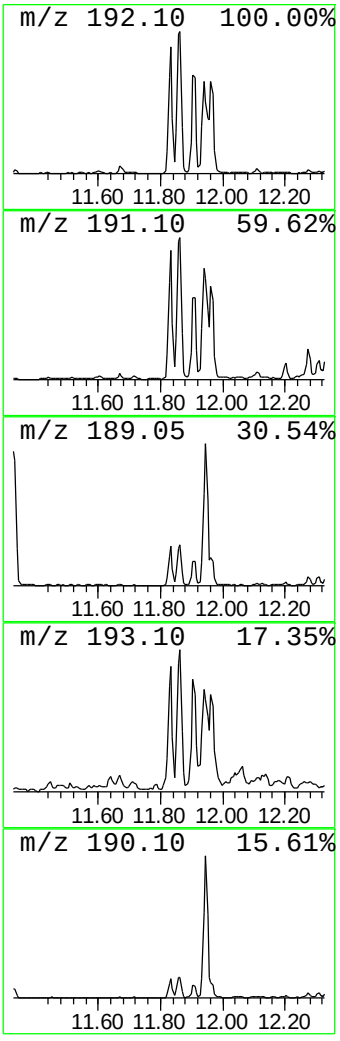
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.62 ng	395412	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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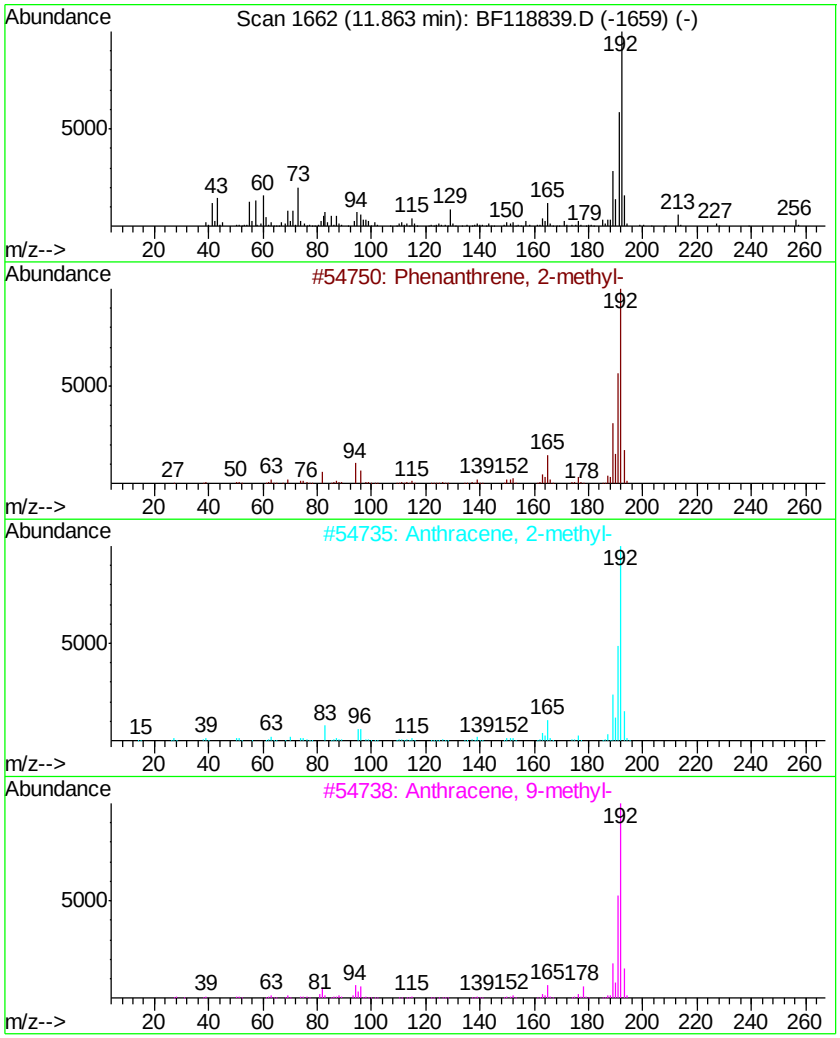
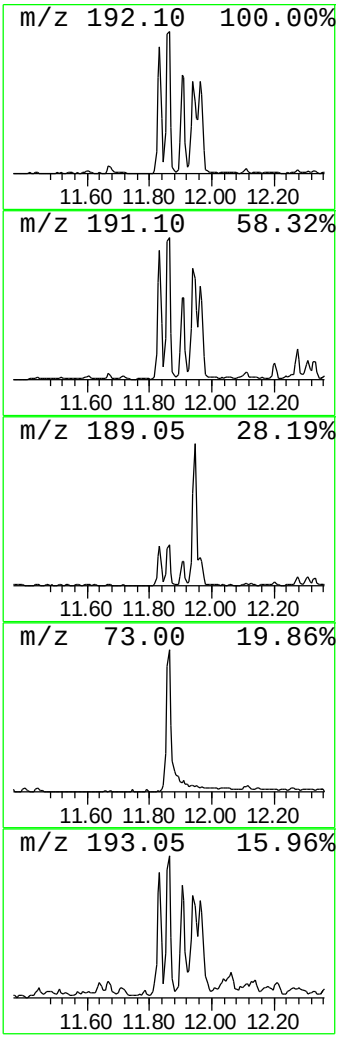
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.98 ng	761995	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	92





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118839.D
Acq On : 6 Feb 2020 16:14
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Sample : L1408-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

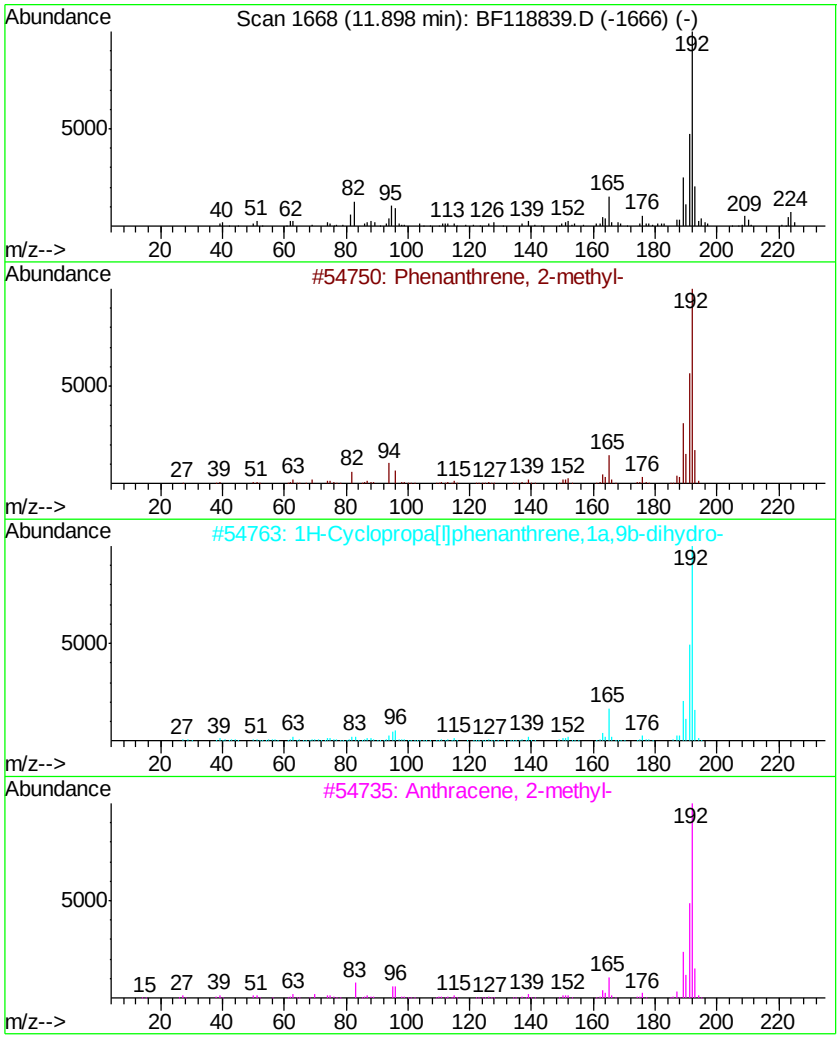
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

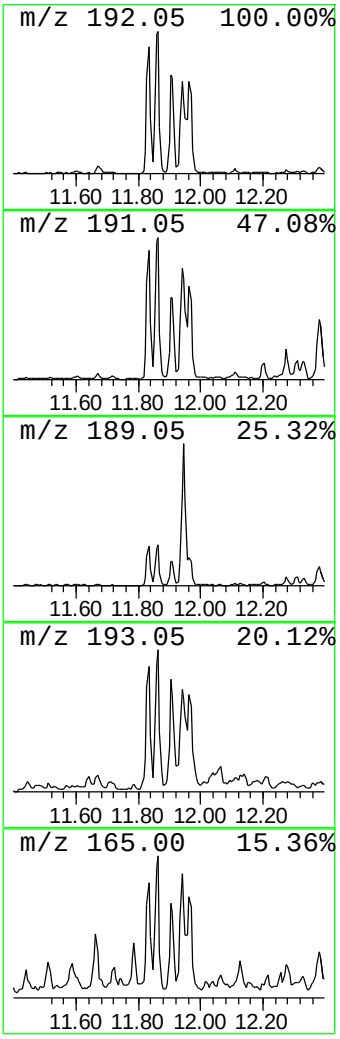
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.01 ng	327891	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118839.D
Acq On : 6 Feb 2020 16:14
Operator : CG/JU
Sample : L1408-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

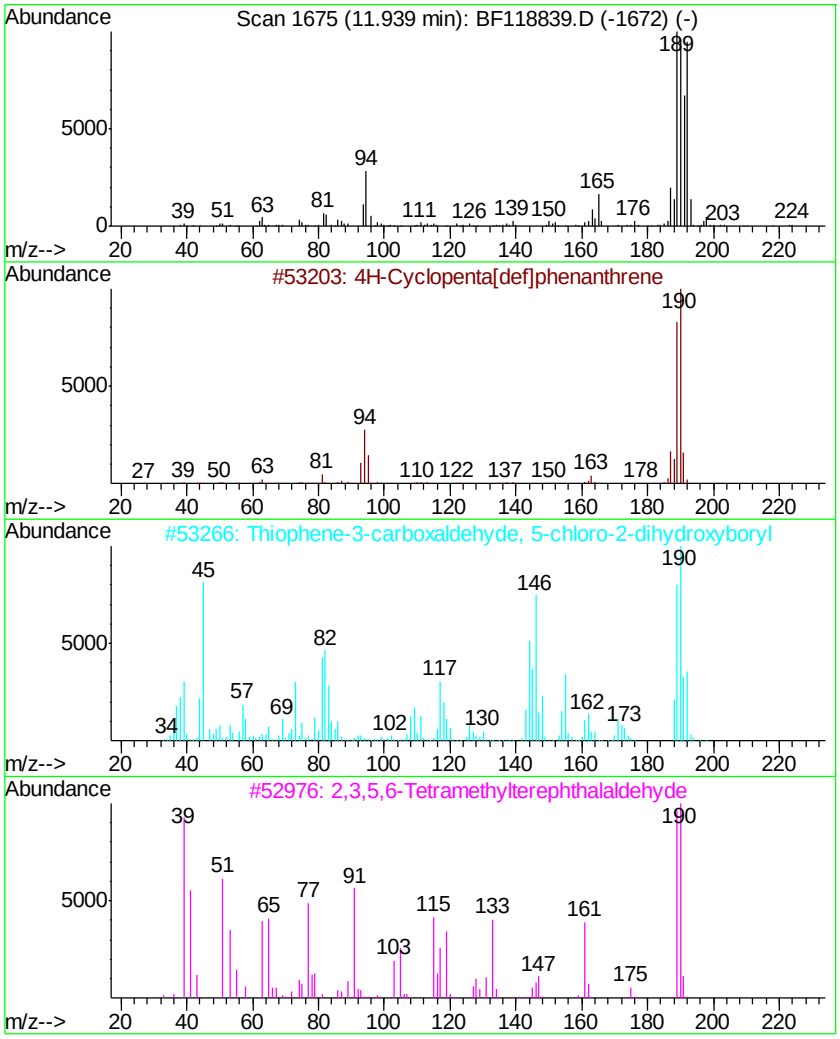
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

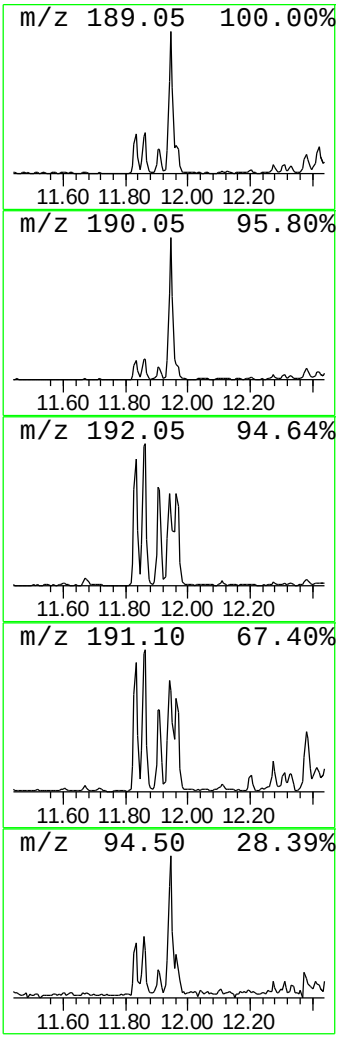
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	6.98 ng	761909	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	42
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40





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Sample : L1408-10
Misc :
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Instrument :
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ClientSampleId :
SHORE-RD-PATH-BH-02-B

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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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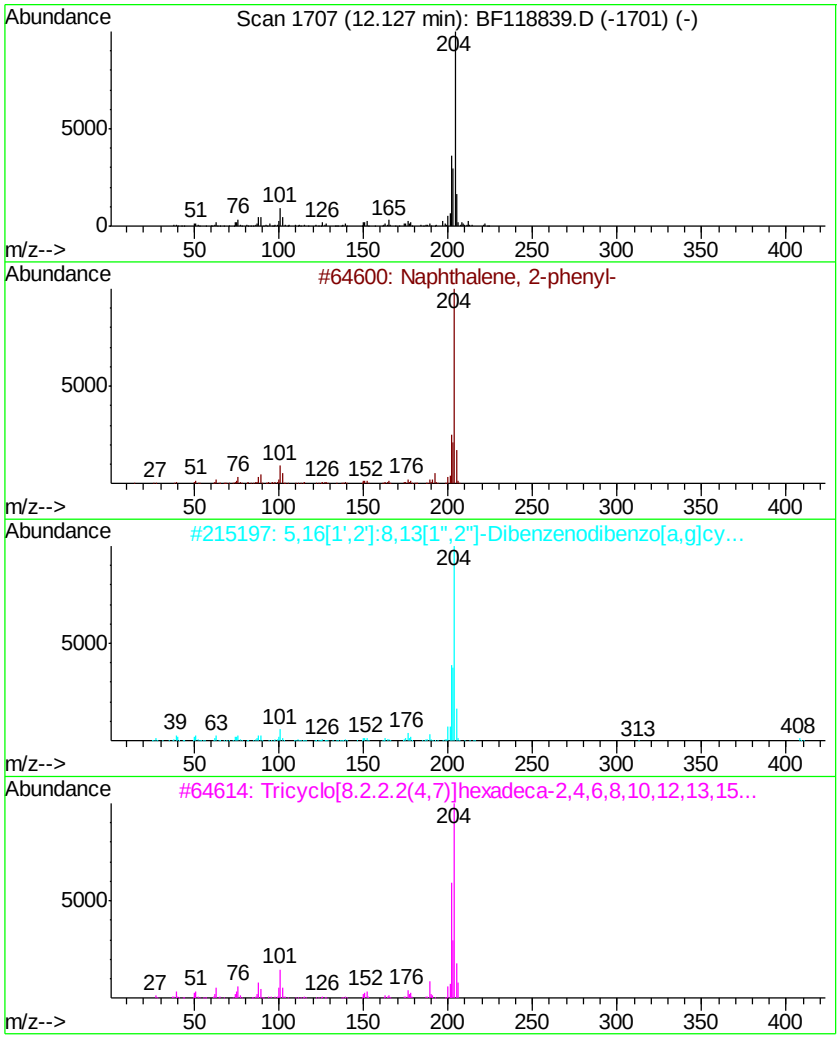
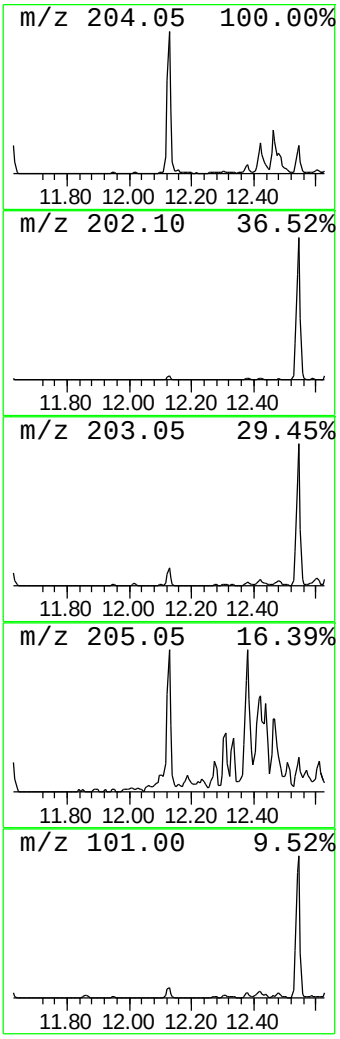
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.01 ng	328559	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
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	81
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





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Sample : L1408-10
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ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId : SHORE-RD-PATH-BH-02-B

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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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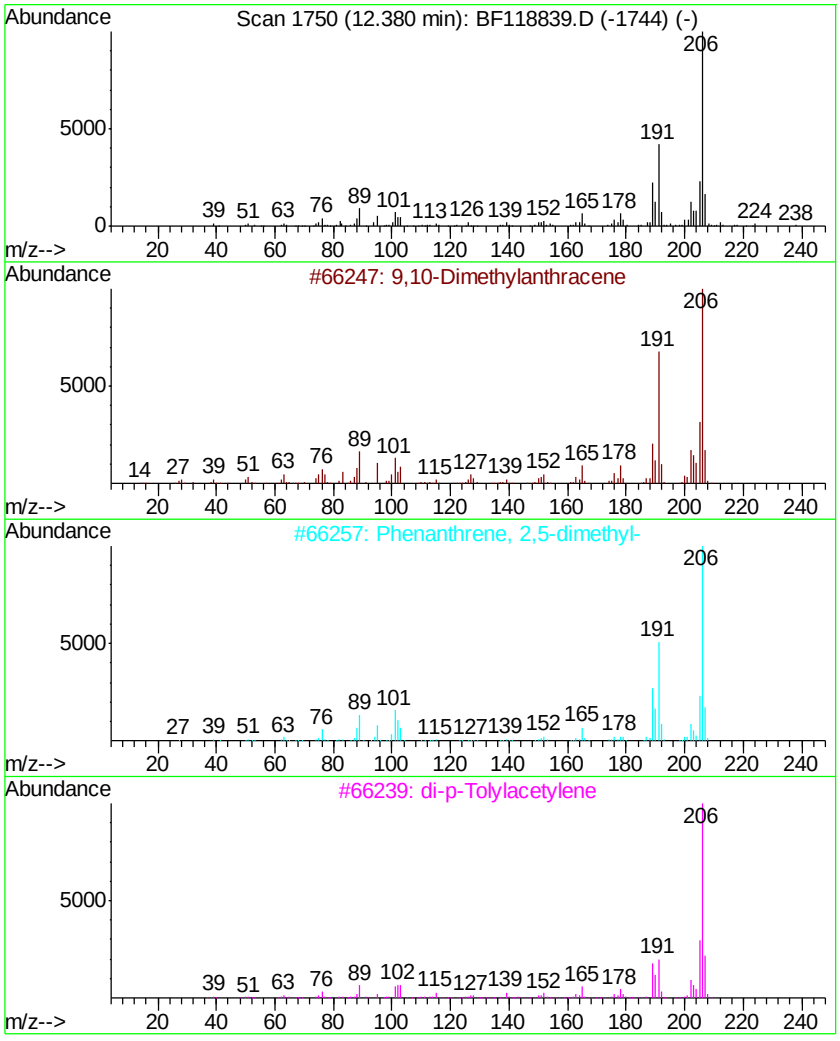
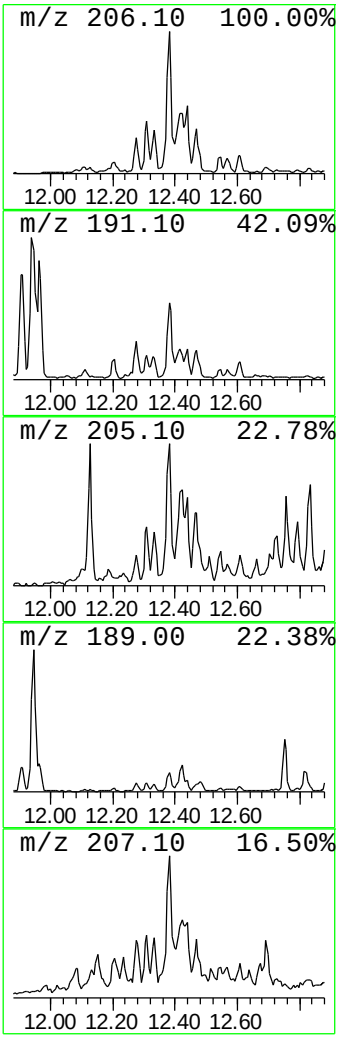
Peak Number 8 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	3.52 ng	384393	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93





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ClientSampleId : SHORE-RD-PATH-BH-02-B

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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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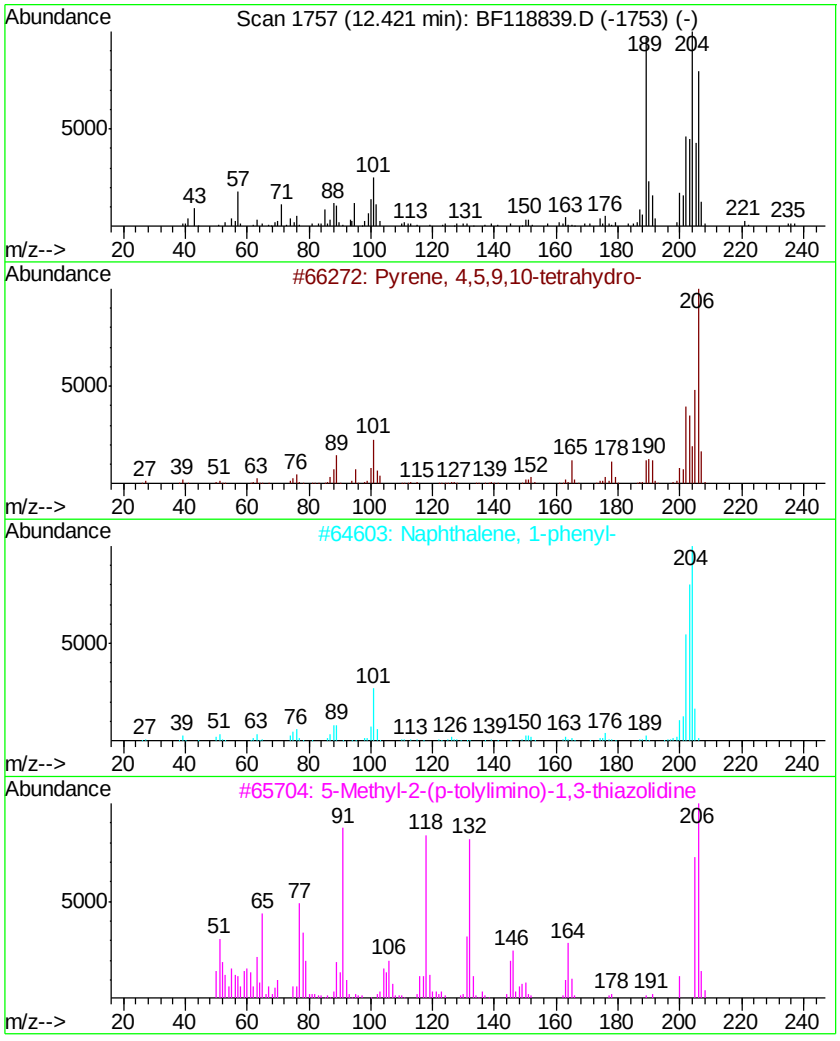
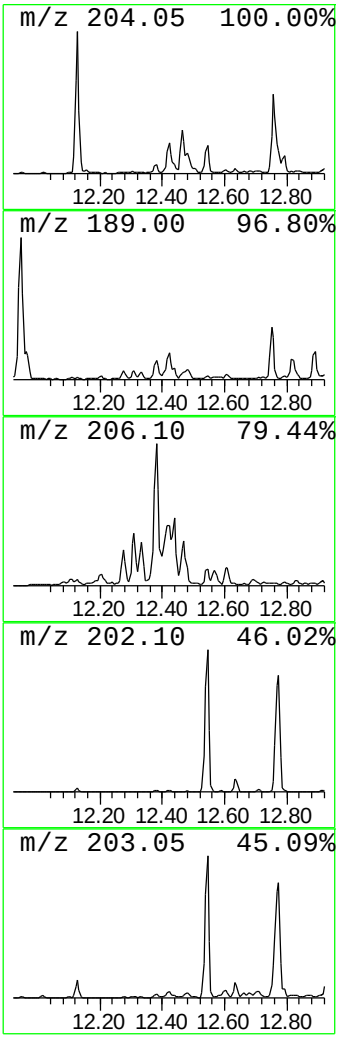
Peak Number 9 unknown12.42 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.94 ng	320905	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	49
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35
3	5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	35
4	Benzaldehyde, 4-(phenylethynyl)-	206	C15H10O	057341-98-7	35
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35





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Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-B

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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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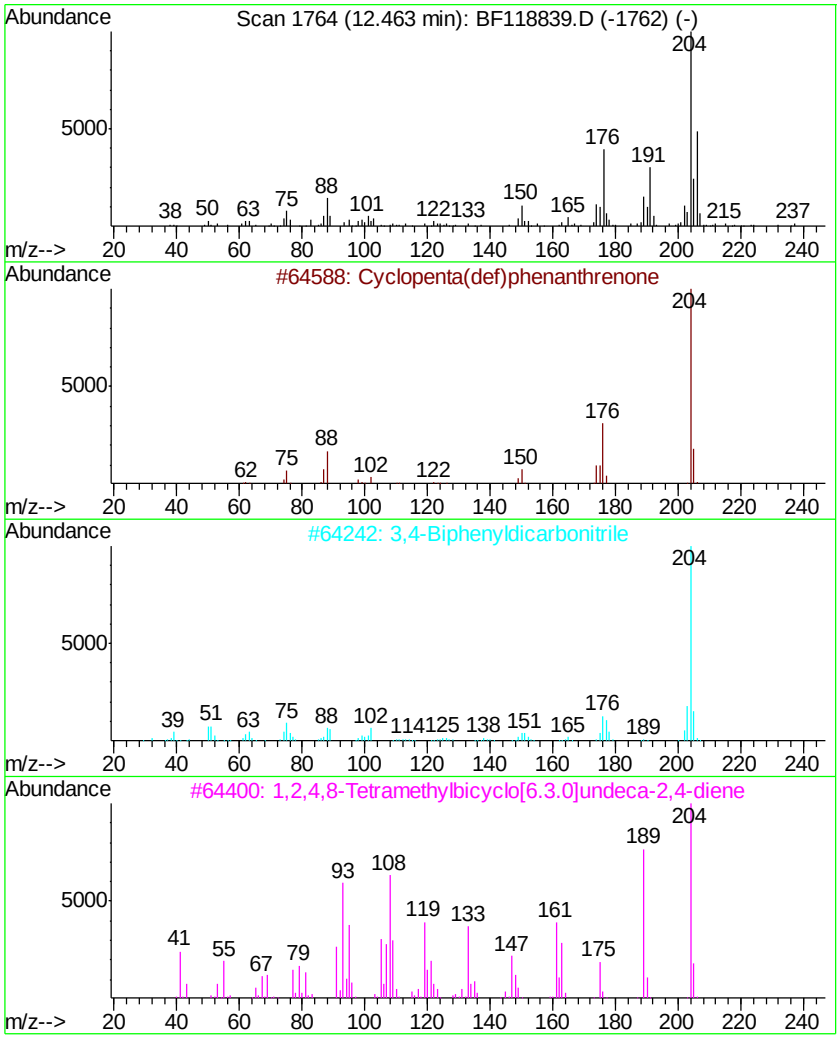
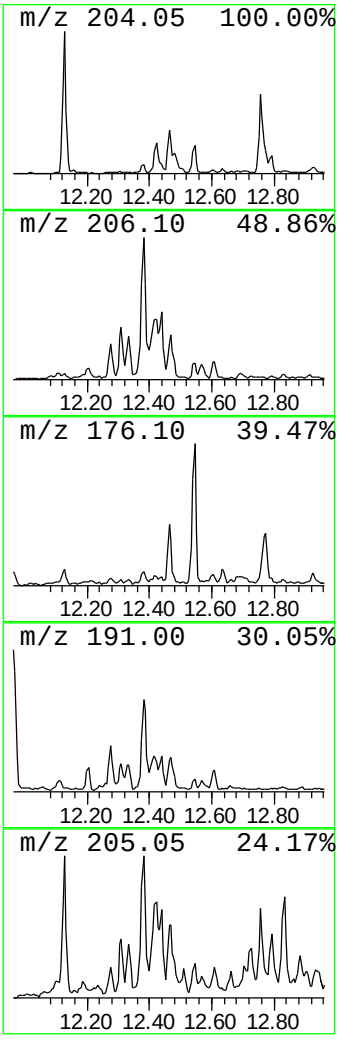
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	2.38 ng	259574	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38





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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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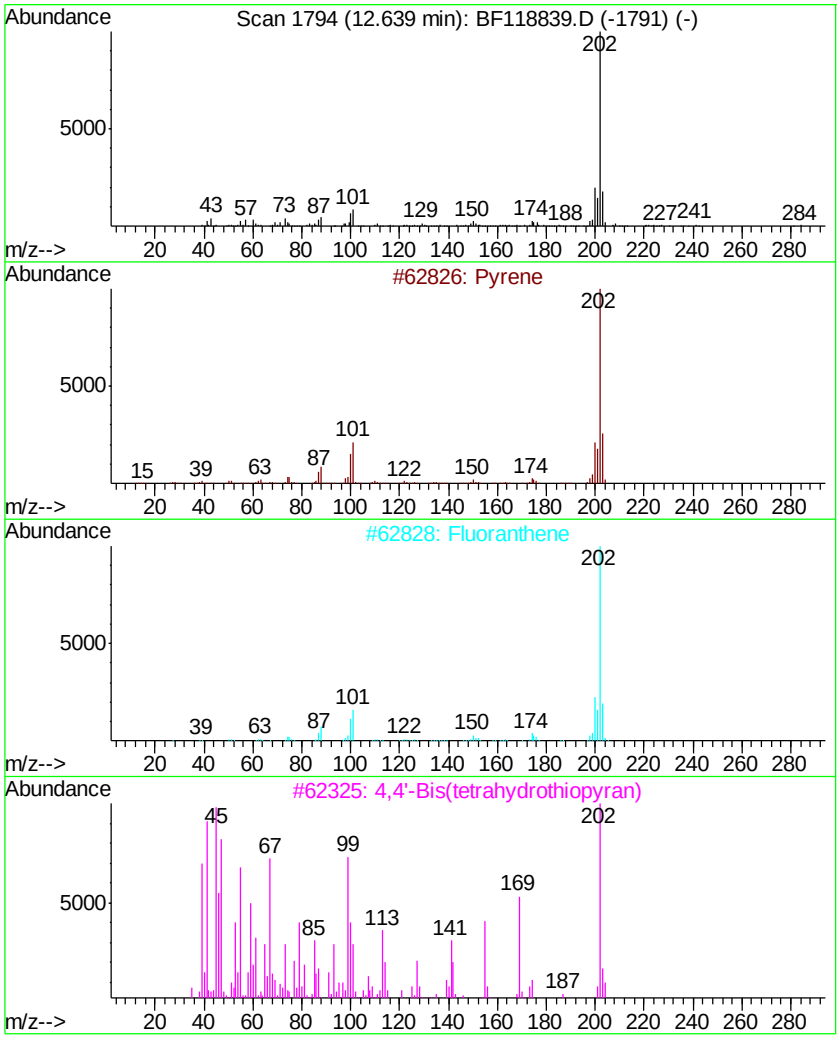
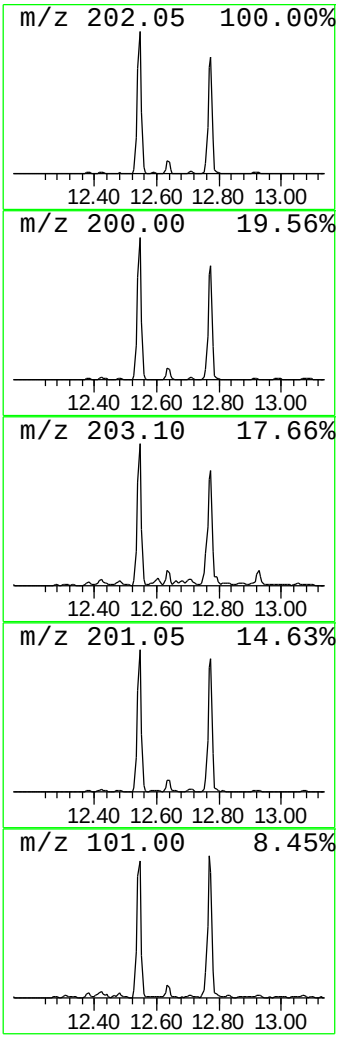
Peak Number 11 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	3.58 ng	390546	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene	202	C16H10	000129-00-0	95
2	Fluoranthene	202	C16H10	000206-44-0	94
3	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	91
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	76
5	l-Leucine, N-methyl-N-(2-methoxy...	443	C25H49NO5	1000328-54-8	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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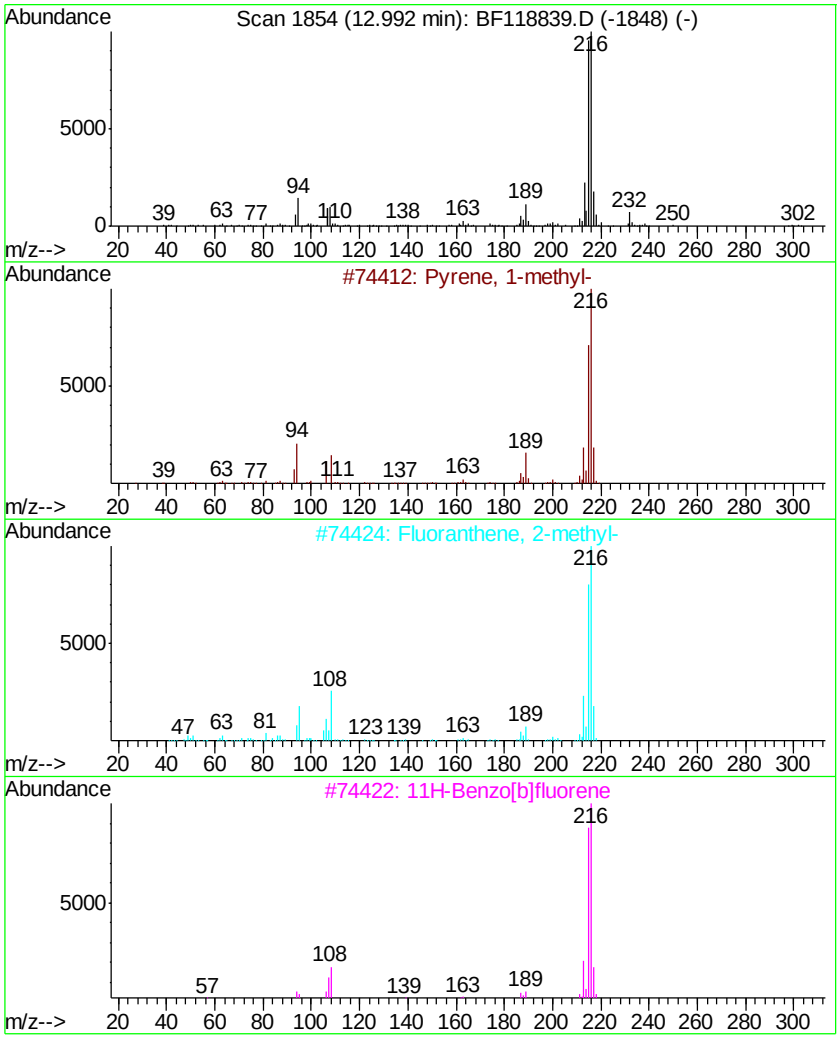
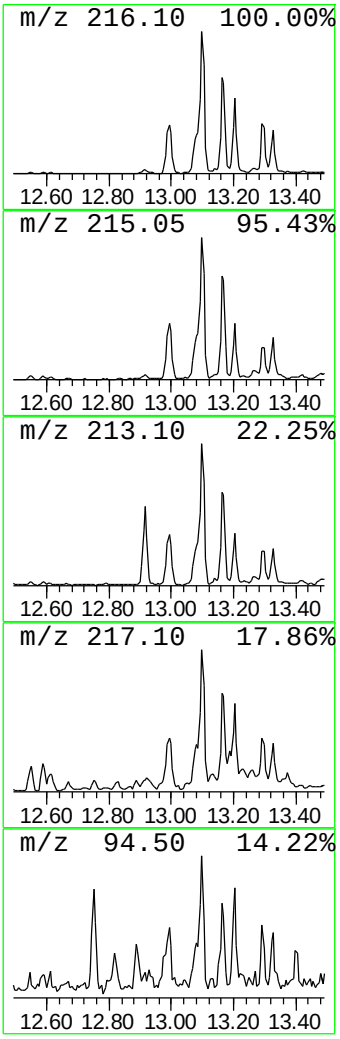
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	2.58 ng	507938	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Misc :
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Instrument :
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ClientSampleId :
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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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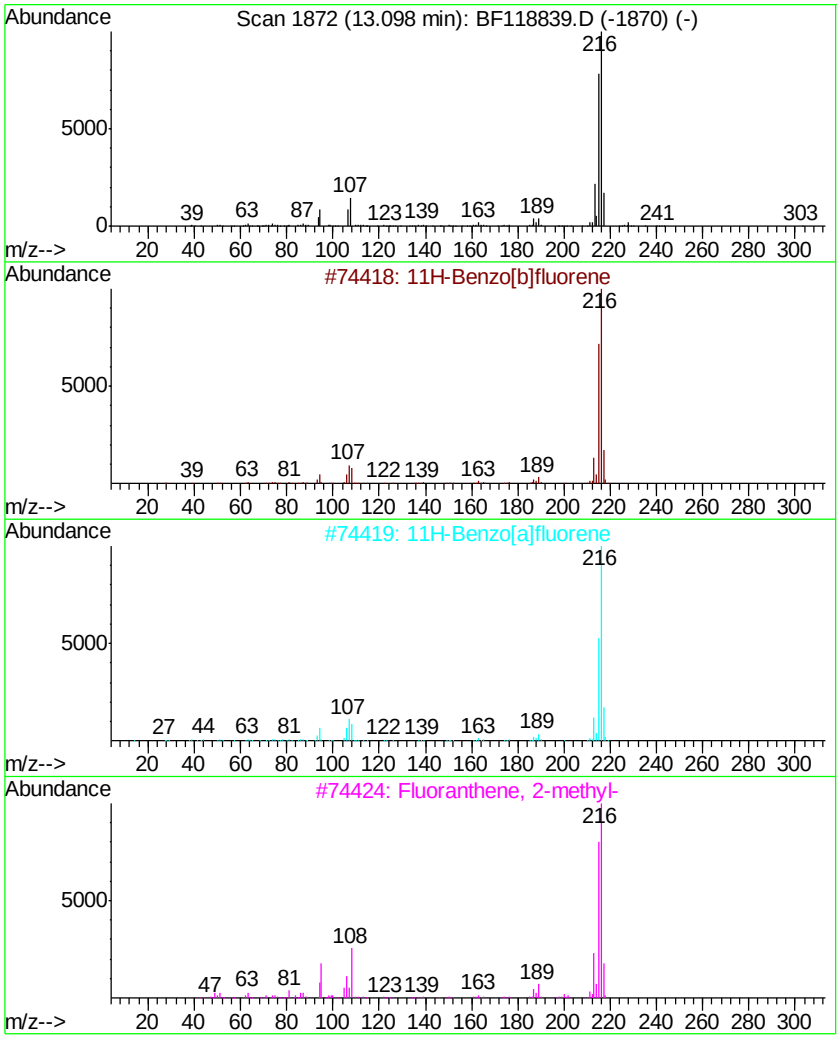
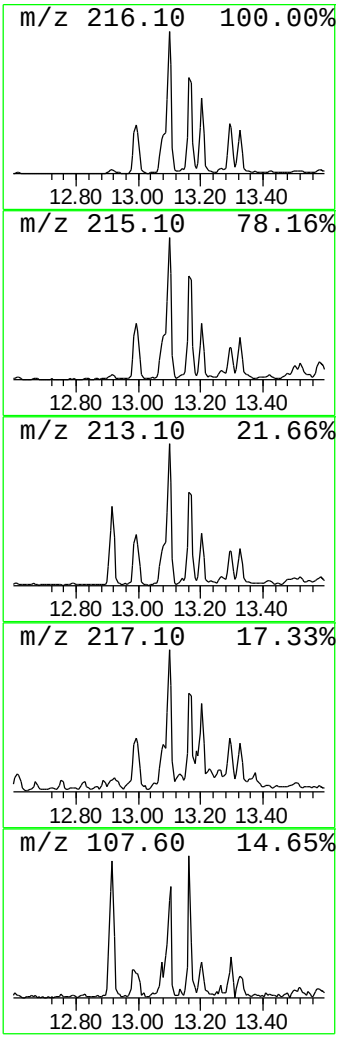
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	3.18 ng	626110	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	56
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	49





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Misc :
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Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-B

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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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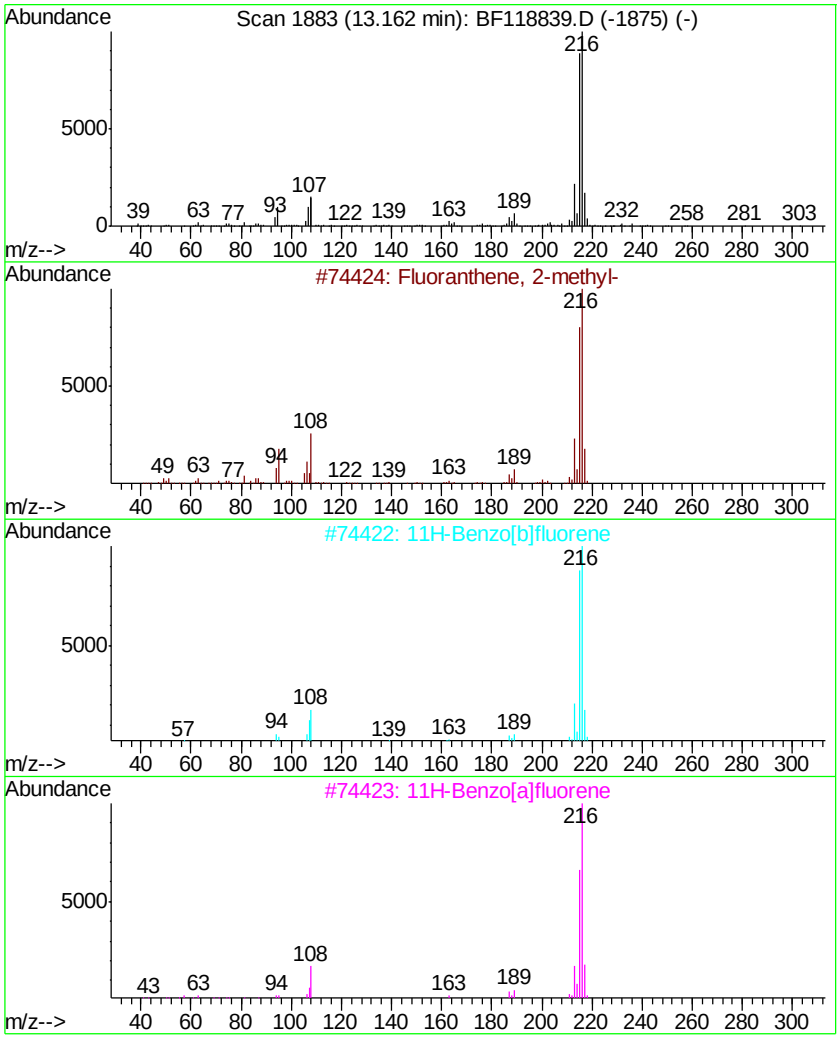
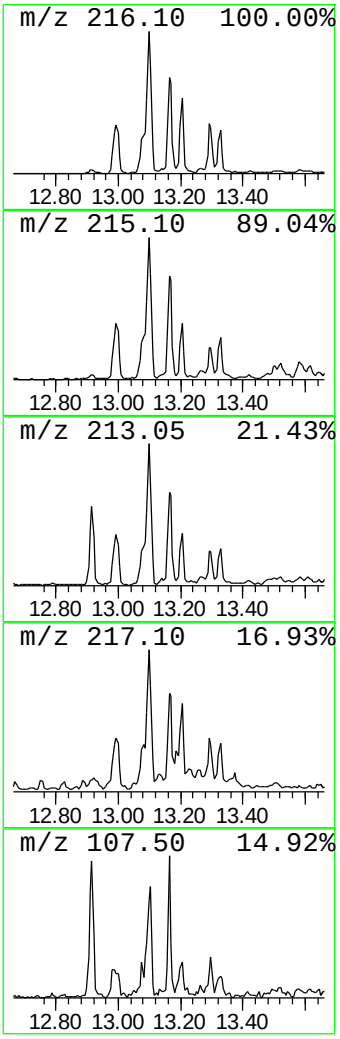
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	3.29 ng	648552	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	58
5	Pyridin-3-ol, 2-(4-nitrophenyl)-	216	C11H8N2O3	030820-89-4	58





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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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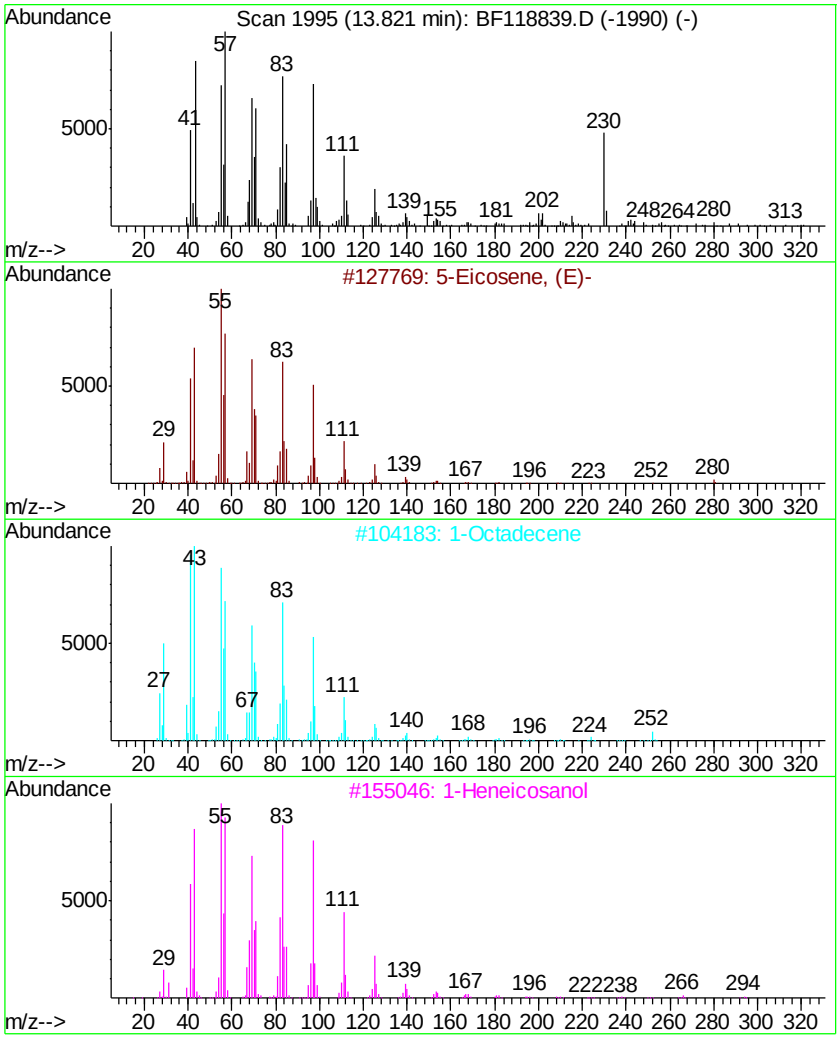
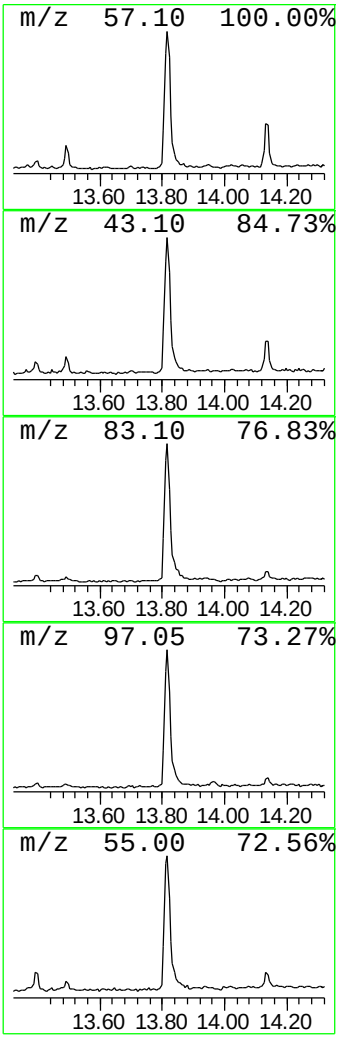
Peak Number 15 5-Eicosene, (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	4.78 ng	942805	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	96
2	1-Octadecene	252	C18H36	000112-88-9	89
3	1-Heneicosanol	312	C21H44O	015594-90-8	89
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	83
5	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	83





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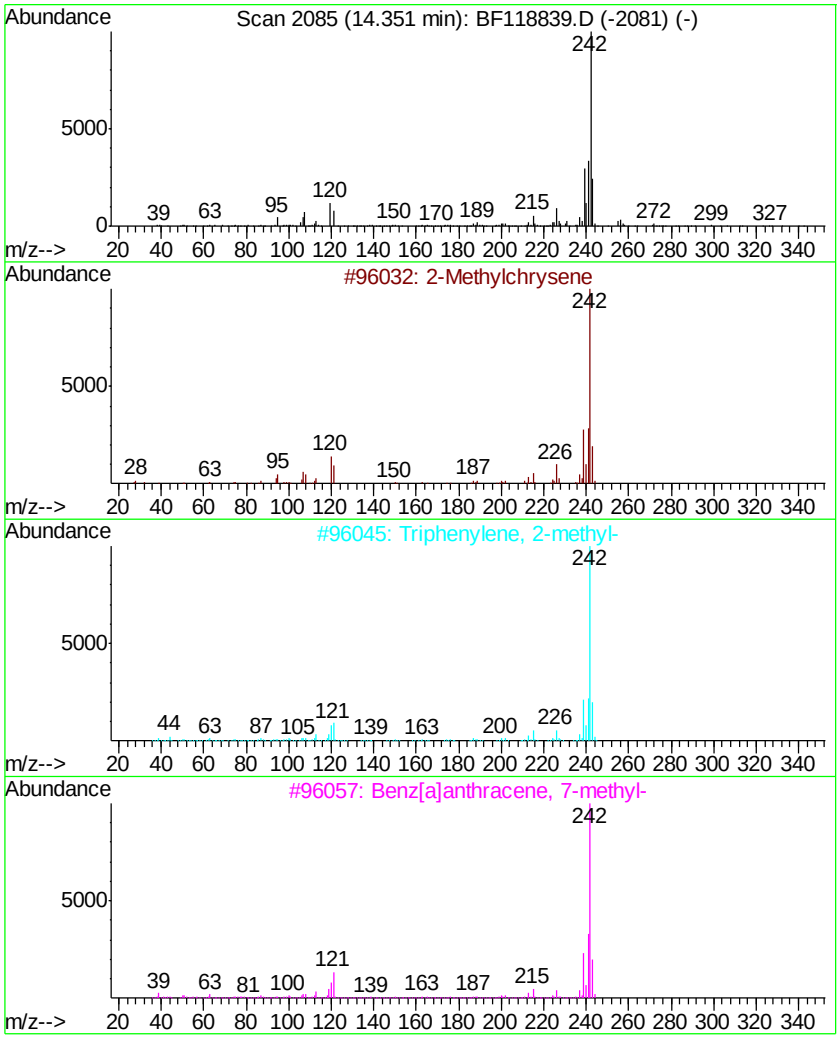
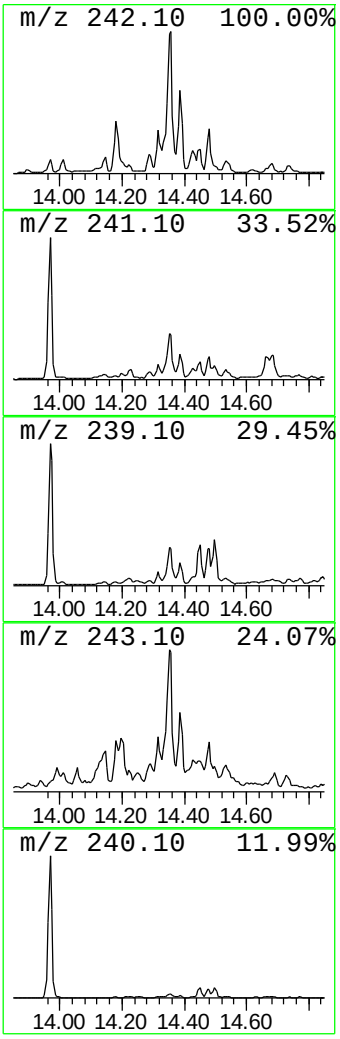
Peak Number 16 2-Methylchrysene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	2.50 ng	492133	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylchrysene	242	C19H14	003351-32-4	94
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90





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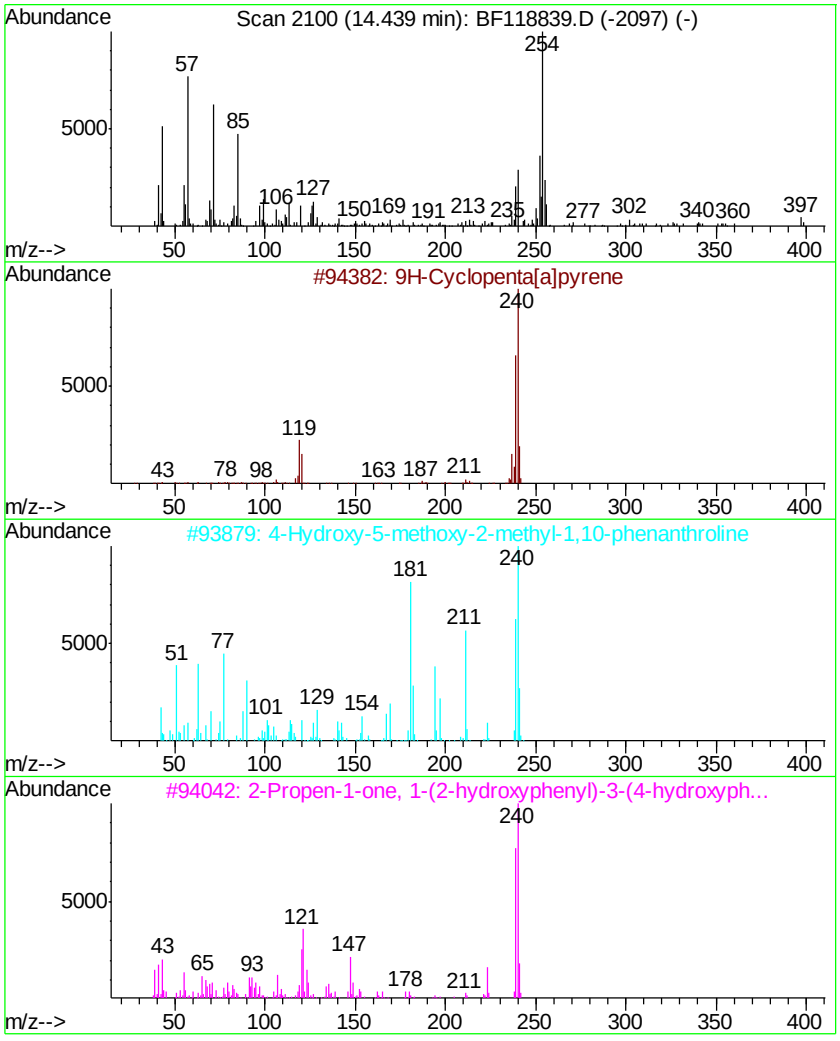
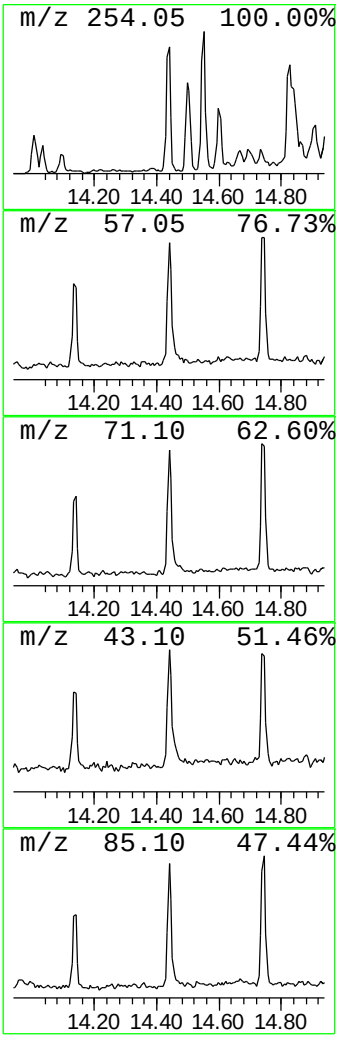
Peak Number 17 9H-Cyclopenta[a]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	2.40 ng	472744	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	64
2	4-Hydroxy-5-methoxy-2-methyl-1,1...	240	C14H12N2O2	093533-14-3	43
3	2-Propen-1-one, 1-(2-hydroxyphen...	240	C15H12O3	013323-66-5	38
4	9,10-Anthracenedione, 1,4-dihydr...	240	C14H8O4	000081-64-1	27
5	3,4-Dihydro-6-phenyl-2H-1-benzop...	240	C15H12O3	156017-47-9	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118839.D
Acq On : 6 Feb 2020 16:14
Operator : CG/JU
Sample : L1408-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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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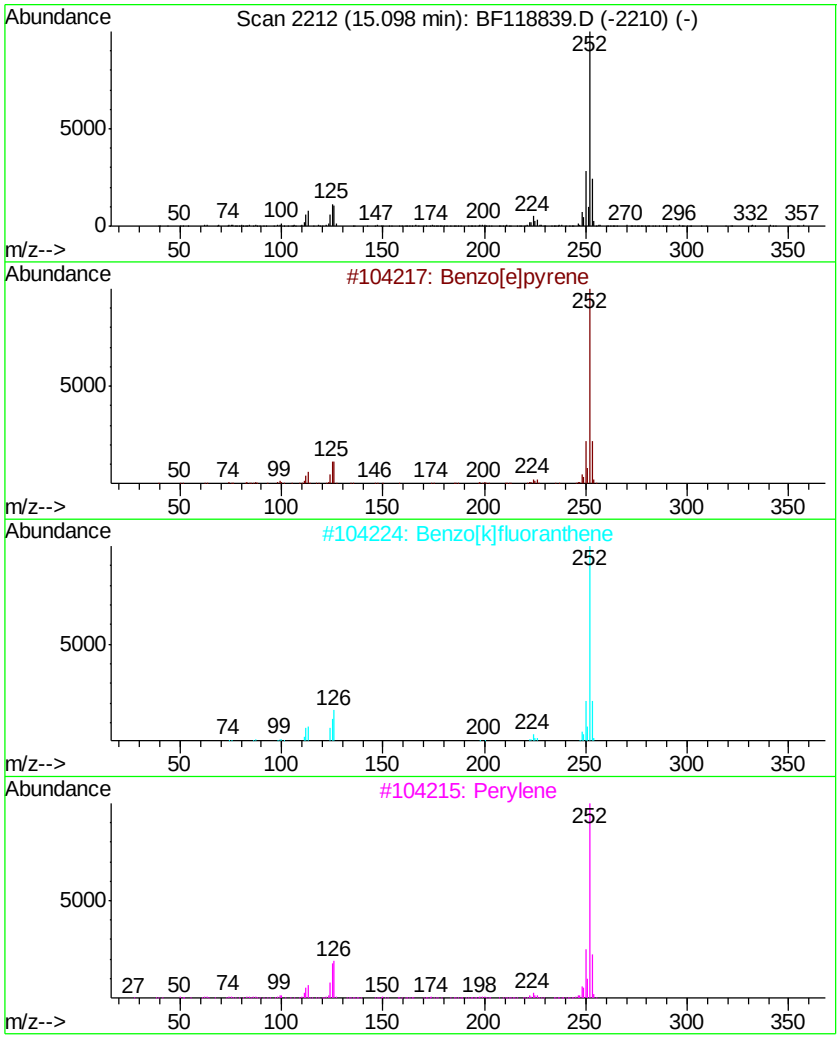
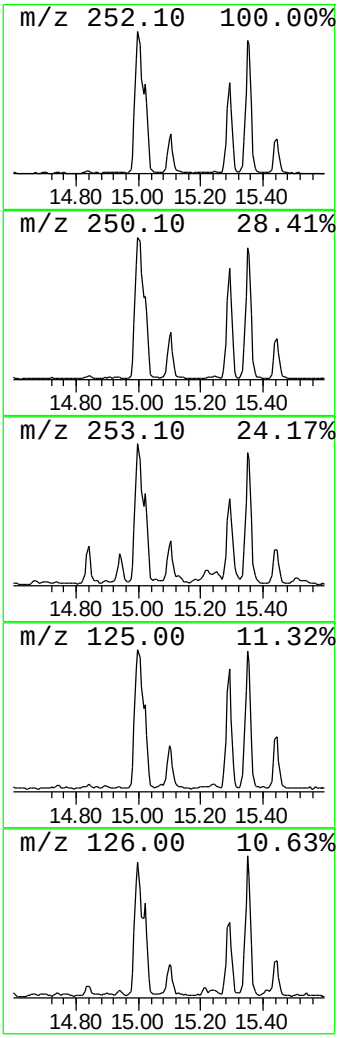
Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	4.09 ng	394561	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118839.D
Acq On : 6 Feb 2020 16:14
Operator : CG/JU
Sample : L1408-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SHORE-RD-PATH-BH-02-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

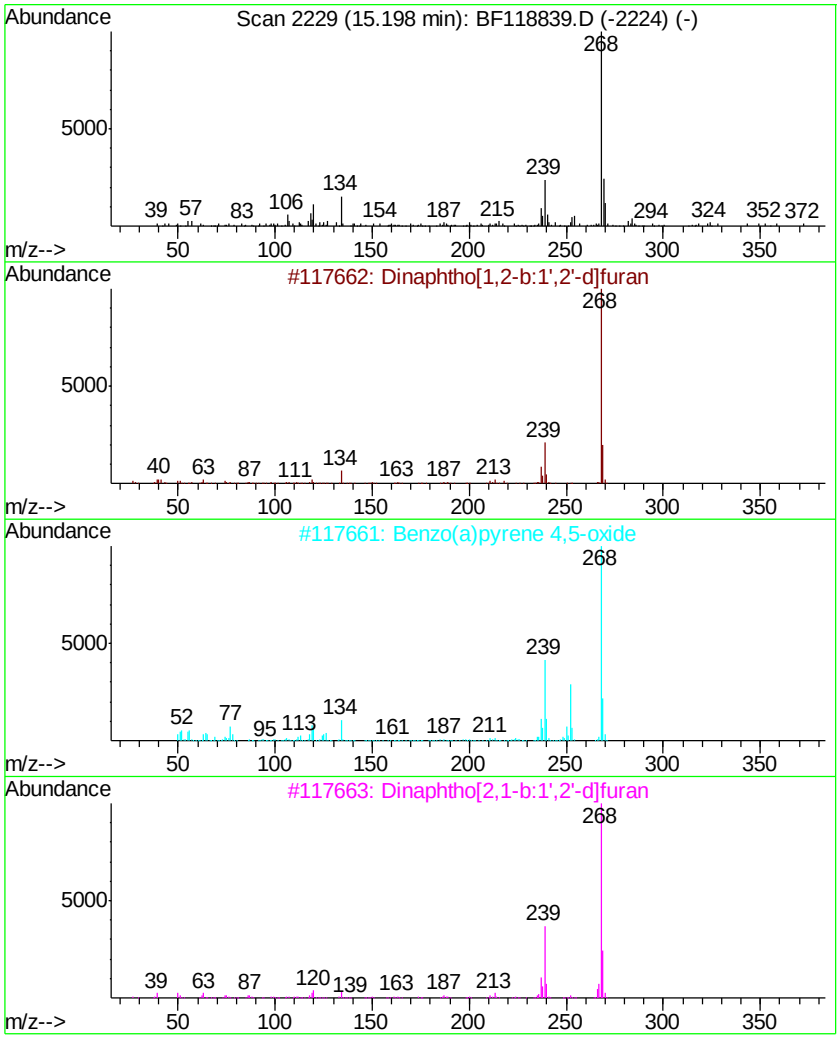
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

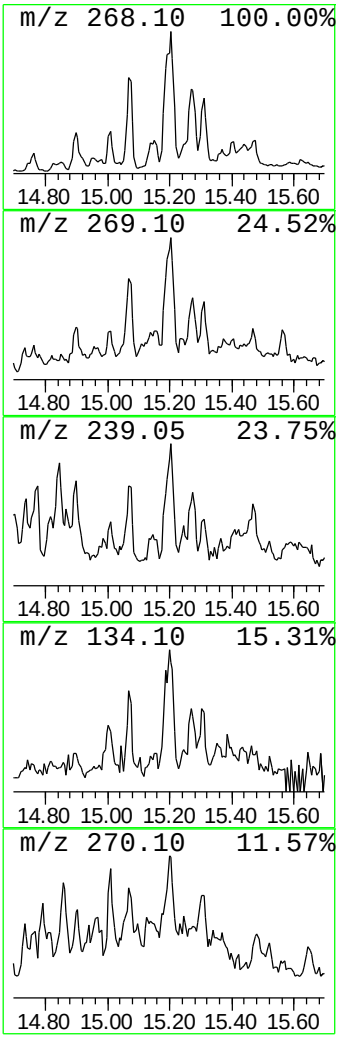
****

Peak Number 19 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	2.25 ng	216599	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	91
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	87
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	74
4	trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	64
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020620\
Data File : BF118839.D
Acq On : 6 Feb 2020 16:14
Operator : CG/JU
Sample : L1408-10
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SHORE-RD-PATH-BH-02-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF020320.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	3.1	ng	185322	1	6.82	1178410	20.0
Phenanthrene, 2-m...	11.83	3.6	ng	395412	4	11.33	2182040	20.0
Anthracene, 2-met...	11.86	7.0	ng	761995	4	11.33	2182040	20.0
1H-Cyclopropa[l]p...	11.90	3.0	ng	327891	4	11.33	2182040	20.0
4H-Cyclopenta[def...	11.94	7.0	ng	761909	4	11.33	2182040	20.0
Naphthalene, 2-ph...	12.13	3.0	ng	328559	4	11.33	2182040	20.0
9,10-Dimethylanth...	12.38	3.5	ng	384393	4	11.33	2182040	20.0
unknown12.42	12.42	2.9	ng	320905	4	11.33	2182040	20.0
Cyclopenta(def)ph...	12.46	2.4	ng	259574	4	11.33	2182040	20.0
4,4'-Bis(tetrahyd...	12.64	3.6	ng	390546	4	11.33	2182040	20.0
Pyrene, 1-methyl-	12.99	2.6	ng	507938	5	13.97	3943670	20.0
11H-Benzo[b]fluorene	13.10	3.2	ng	626110	5	13.97	3943670	20.0
Fluoranthene, 2-m...	13.16	3.3	ng	648552	5	13.97	3943670	20.0
5-Eicosene, (E)-	13.82	4.8	ng	942805	5	13.97	3943670	20.0
2-Methylchrysene	14.35	2.5	ng	492133	5	13.97	3943670	20.0
9H-Cyclopenta[a]p...	14.44	2.4	ng	472744	5	13.97	3943670	20.0
Benzo[e]pyrene	15.10	4.1	ng	394561	6	15.42	1927370	20.0
Dinaphtho[1,2-b:1...	15.20	2.3	ng	216599	6	15.42	1927370	20.0