LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110123.D
Acq On : 24 Oct 2018 19:00
Operator : JU/SJ
Sample : J5198-25 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-C

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-BF102318.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	2.263	25	30	35	rVB	198739	259856	15.74%	0.954%
2	5.192	524	528	534	rBV	63422	73347	4.44%	0.269%
3	5.581	590	594	607	rBV	1718328	1579506	95.70%	5.799%
4	6.245	704	707	710	rBV	27664	22569	1.37%	0.083%
5	6.581	760	764	776	rBV	1612470	1650458	100.00%	6.059%
6	6.733	786	790	793	rBV	1972120	1605471	97.27%	5.894%
7	6.969	826	830	833	rBV	1076322	864518	52.38%	3.174%
8	7.122	852	856	860	rBV	1535170	1235799	74.88%	4.537%
9	7.528	921	925	928	rBV	1042733	892206	54.06%	3.275%
10	8.251	1044	1048	1051	rBV	1261852	1006535	60.99%	3.695%
11	8.963	1166	1169	1172	rBV	57707	49379	2.99%	0.181%
12	9.063	1183	1186	1189	rVB	73042	56749	3.44%	0.208%
13	9.257	1213	1219	1221	rBV2	25220	27273	1.65%	0.100%
14	9.322	1227	1230	1234	rBV	1828487	1475953	89.43%	5.419%
15	9.398	1239	1243	1246	rBV2	46664	50764	3.08%	0.186%
16	9.592	1272	1276	1280	rBV2	44242	59097	3.58%	0.217%
17	9.663	1285	1288	1291	rBV	72797	77561	4.70%	0.285%
18	9.692	1291	1293	1294	rVV	41652	30627	1.86%	0.112%
19	9.716	1294	1297	1305	rVB	198930	191434	11.60%	0.703%
20	9.786	1305	1309	1310	rBV2	38496	42414	2.57%	0.156%
21	9.869	1320	1323	1329	rBV	162373	156389	9.48%	0.574%
22	9.922	1329	1332	1335	rVB2	50647	42274	2.56%	0.155%
23	9.980	1339	1342	1344	rVV2	30641	39144	2.37%	0.144%
24	10.010	1344	1347	1350	rVV	1091108	894906	54.22%	3.285%
25	10.045	1350	1353	1355	rVB	76630	70405	4.27%	0.258%
26	10.110	1360	1364	1368	rBV3	21832	33569	2.03%	0.123%
27	10.210	1378	1381	1385	rVB2	67508	67606	4.10%	0.248%
28	10.245	1385	1387	1392	rVB	47799	40181	2.43%	0.148%
29	10.321	1396	1400	1403	rBV2	54576	60504	3.67%	0.222%
30	10.351	1403	1405	1407	rVB	33205	25027	1.52%	0.092%
31	10.421	1412	1417	1421	rBV4	48235	88670	5.37%	0.326%
32	10.557	1437	1440	1446	rVB2	117119	131881	7.99%	0.484%
33	10.645	1453	1455	1457	rVB2	33842	25878	1.57%	0.095%
34	10.669	1457	1459	1462	rVB2	24432	23251	1.41%	0.085%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J5198-25 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-C

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.716	1462	1467	1470	rBV4	31023	49845	3.02%	0.183%
36	10.798	1477	1481	1485	rBV	821451	714117	43.27%	2.622%
37	10.916	1495	1501	1507	rVB6	58095	116677	7.07%	0.428%
38	10.992	1512	1514	1517	rBV2	26265	28112	1.70%	0.103%
39	11.110	1528	1534	1536	rBV3	53179	82914	5.02%	0.304%
40	11.139	1536	1539	1541	rVV	44537	48323	2.93%	0.177%
41	11.186	1545	1547	1551	rVB	35457	33638	2.04%	0.123%
42	11.233	1551	1555	1557	rBV3	30247	45936	2.78%	0.169%
43	11.257	1557	1559	1563	rVV2	39499	48991	2.97%	0.180%
44	11.304	1565	1567	1571	rVV2	57620	60439	3.66%	0.222%
45	11.345	1571	1574	1577	rVV3	52983	58877	3.57%	0.216%
46	11.374	1577	1579	1581	rVV2	35270	37897	2.30%	0.139%
47	11.398	1581	1583	1589	rVB	128296	106249	6.44%	0.390%
48	11.504	1597	1601	1603	rBV	963235	857906	51.98%	3.150%
49	11.527	1603	1605	1608	rVV	1019933	769854	46.64%	2.826%
50	11.580	1611	1614	1616	rVV	205851	181783	11.01%	0.667%
51	11.610	1616	1619	1622	rVB3	25065	33265	2.02%	0.122%
52	11.733	1637	1640	1644	rVV3	47892	61597	3.73%	0.226%
53	11.774	1645	1647	1649	rVV	47696	37505	2.27%	0.138%
54	11.798	1649	1651	1653	rVV	30756	24361	1.48%	0.089%
55	11.833	1654	1657	1661	rVB	135097	114990	6.97%	0.422%
56	11.915	1668	1671	1675	rVB	69585	79281	4.80%	0.291%
57	11.957	1675	1678	1680	rBV	34077	31173	1.89%	0.114%
58	12.004	1683	1686	1689	rVV	309917	300374	18.20%	1.103%
59	12.033	1689	1691	1694	rVB	350630	263731	15.98%	0.968%
60	12.080	1696	1699	1702	rVV	96721	85480	5.18%	0.314%
61	12.115	1702	1705	1707	rVV2	292633	317085	19.21%	1.164%
62	12.139	1707	1709	1714	rVB	218004	180118	10.91%	0.661%
63	12.186	1714	1717	1719	rBV2	49979	53067	3.22%	0.195%
64	12.233	1723	1725	1728	rVV2	44323	42957	2.60%	0.158%
65	12.298	1733	1736	1738	rVV	148353	131436	7.96%	0.483%
66	12.327	1738	1741	1746	rVB3	109477	128810	7.80%	0.473%
67	12.427	1756	1758	1760	rBV	41271	46958	2.85%	0.172%
68	12.445	1760	1761	1764	rVB	58445	44969	2.72%	0.165%
69	12.480	1764	1767	1769	rBV	94857	71196	4.31%	0.261%
70	12.504	1769	1771	1773	rVB2	76192	60476	3.66%	0.222%
71	12.557	1776	1780	1782	rBV	219971	240497	14.57%	0.883%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J5198-25 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-C

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 >
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.639	1792	1794	1798	rBV2	113118	143644	8.70%	0.527%
73	12.721	1804	1808	1811	rBV	1138659	938065	56.84%	3.444%
74	12.762	1812	1815	1816	rVV	53843	49817	3.02%	0.183%
75	12.780	1816	1818	1821	rVB	56145	41221	2.50%	0.151%
76	12.815	1821	1824	1826	rBV	87769	75332	4.56%	0.277%
77	12.874	1831	1834	1836	rBV	76371	65358	3.96%	0.240%
78	12.951	1844	1847	1852	rVB	1105404	1040345	63.03%	3.819%
79	13.004	1852	1856	1859	rVB2	102447	116853	7.08%	0.429%
80	13.086	1866	1870	1873	rVV	1493810	1191462	72.19%	4.374%
81	13.162	1879	1883	1890	rBV4	106646	211256	12.80%	0.776%
82	13.274	1895	1902	1905	rBV	217078	327213	19.83%	1.201%
83	13.304	1905	1907	1909	rVV	43562	35624	2.16%	0.131%
84	13.345	1911	1914	1916	rVB	142928	123838	7.50%	0.455%
85	13.380	1917	1920	1923	rVV2	152453	149559	9.06%	0.549%
86	13.474	1934	1936	1939	rBV	107755	94955	5.75%	0.349%
87	13.509	1939	1942	1944	rBV	93777	90861	5.51%	0.334%
88	13.645	1963	1965	1968	rBV3	68337	65732	3.98%	0.241%
89	13.786	1987	1989	1993	rVB	86188	84108	5.10%	0.309%
90	13.845	1997	1999	2003	rVB	84819	75122	4.55%	0.276%
91	13.927	2011	2013	2015	rVB	83652	54764	3.32%	0.201%
92	13.951	2015	2017	2018	rBV	70599	55769	3.38%	0.205%
93	13.974	2019	2021	2023	rVV2	107676	97620	5.91%	0.358%
94	14.151	2046	2051	2054	rBV2	1049608	1399699	84.81%	5.139%
95	14.174	2054	2055	2062	rVB	463011	405853	24.59%	1.490%
96	14.292	2073	2075	2078	rVB2	98518	72509	4.39%	0.266%
97	15.221	2230	2233	2240	rBV	277736	508306	30.80%	1.866%
98	15.551	2286	2289	2294	rVB	169525	203015	12.30%	0.745%
99	15.615	2296	2300	2305	rVB	246411	330147	20.00%	1.212%
100	15.680	2307	2311	2315	rBV	510382	648927	39.32%	2.382%

Sum of corrected areas: 27239059

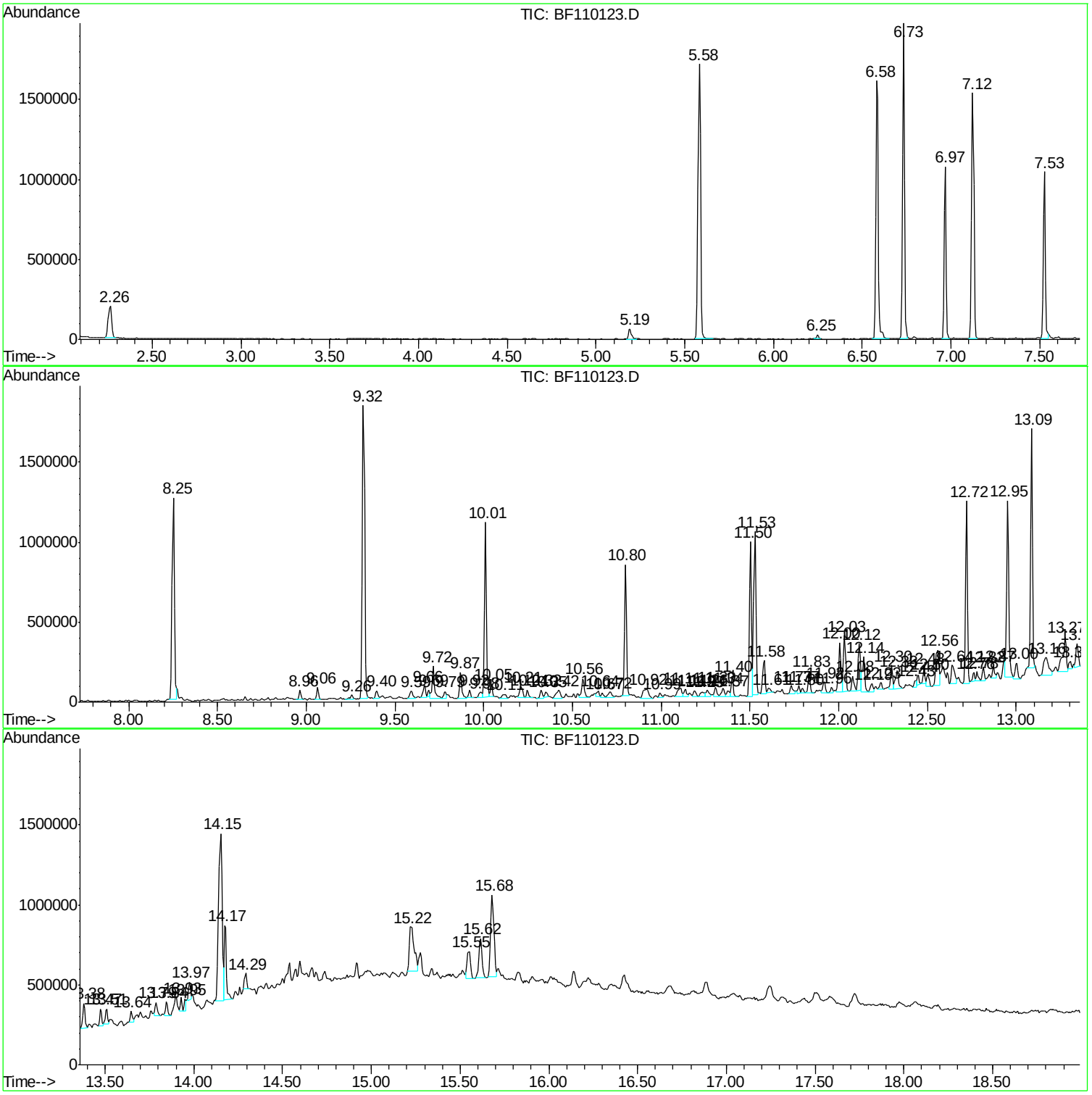
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110123.D
Acq On : 24 Oct 2018 19:00
Operator : JU/SJ
Sample : J5198-25 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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\BF102418\
Data File : BF110123.D
Acq On : 24 Oct 2018 19:00
Operator : JU/SJ
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

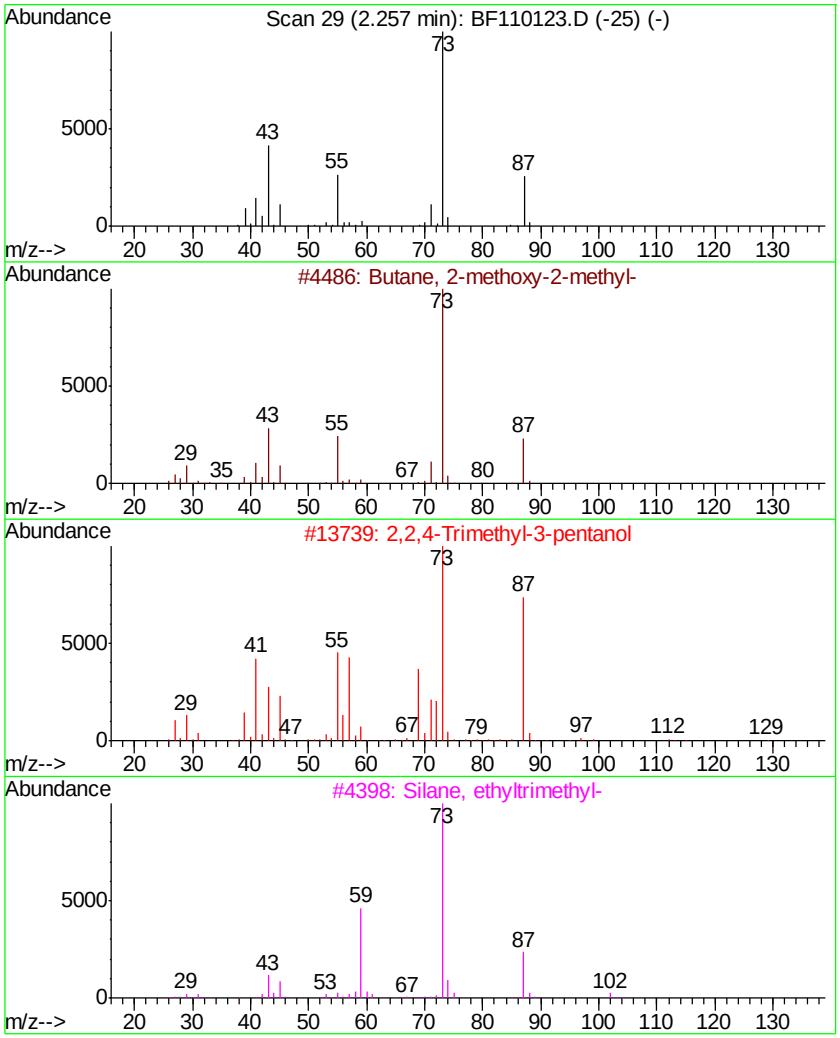
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

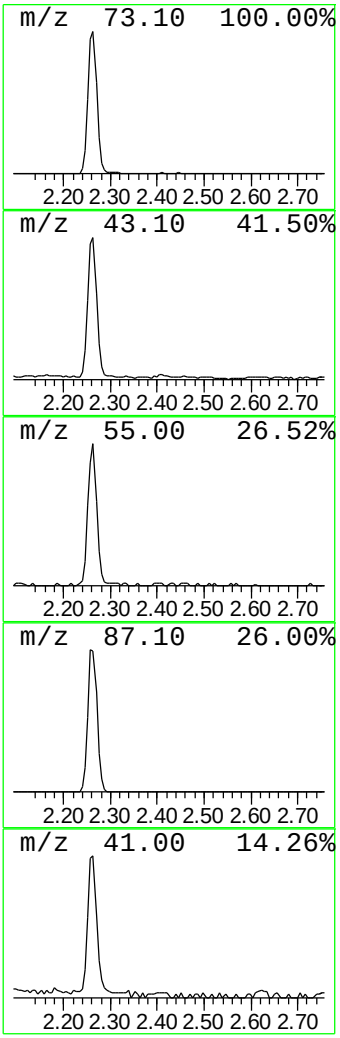
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.26	6.01 ng	259856	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	33
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110123.D
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Instrument : BNA_F
ClientSampleId : CL-01-102318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

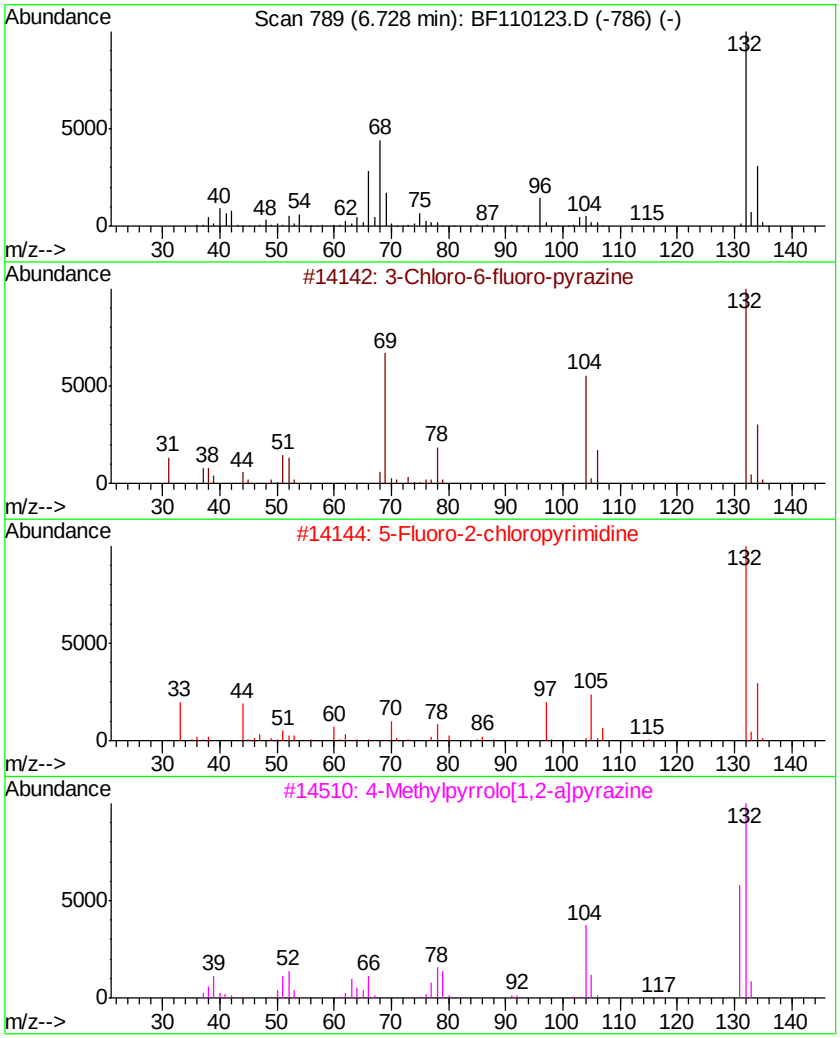
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

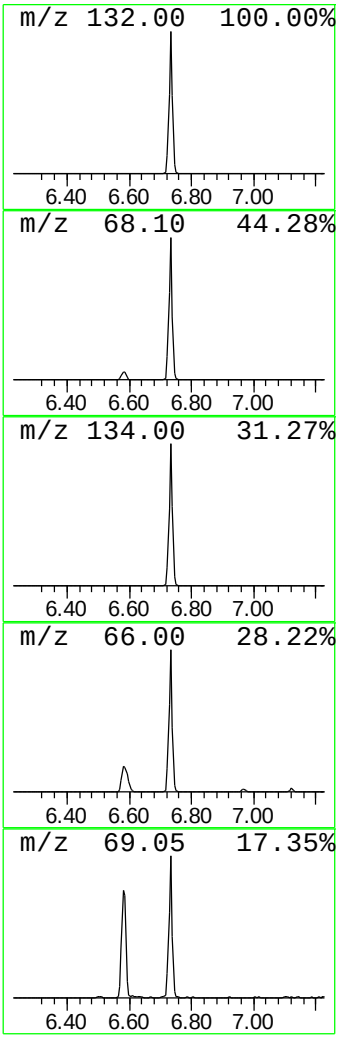
****

Peak Number 2 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	37.14 ng	1605470	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
3	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9





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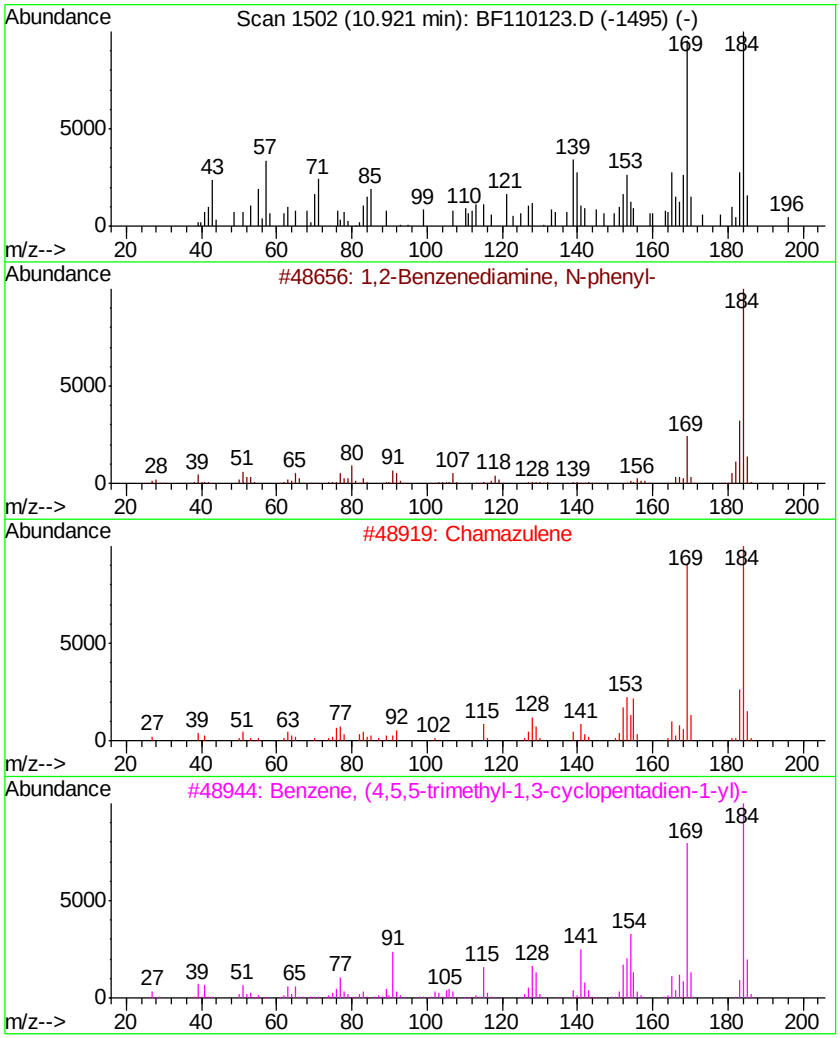
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

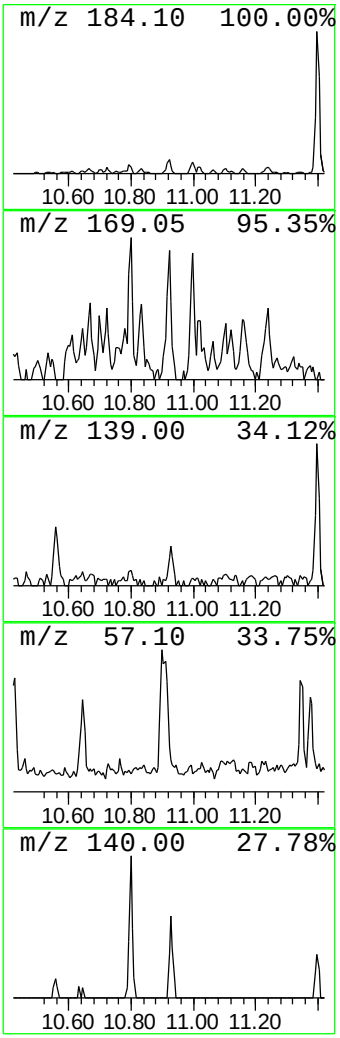
****

Peak Number 4 1,2-Benzenediamine, N-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	2.72 ng	116677	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenediamine, N-phenyl-	184	C12H12N2	000534-85-0	60
2	Chamazulene	184	C14H16	000529-05-5	50
3	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	46
4	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	46
5	Tridecane	184	C13H28	000629-50-5	30





Library Search Compound Report

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Data File : BF110123.D
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Instrument : BNA_F
ClientSampleId : CL-01-102318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

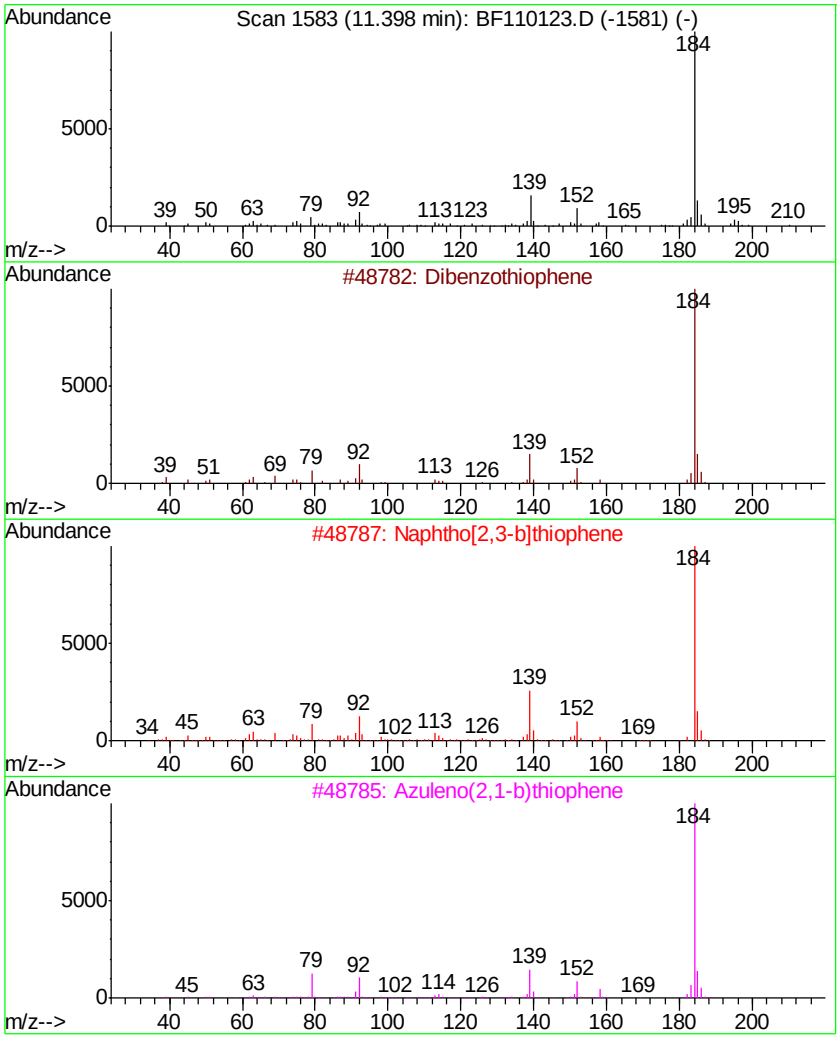
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

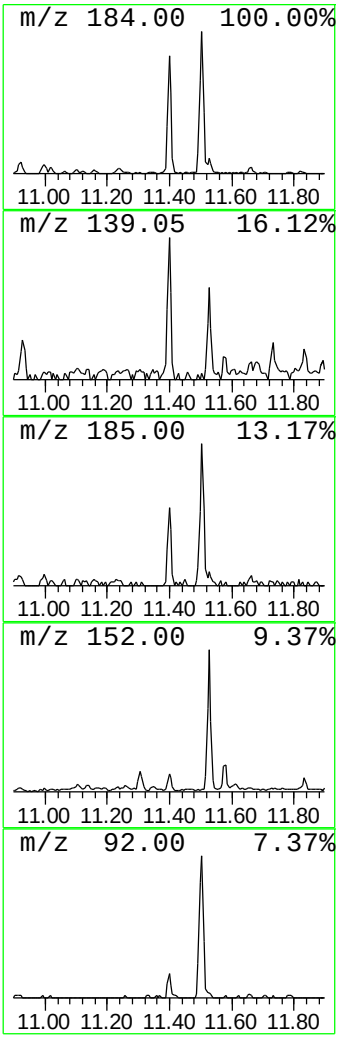
****

Peak Number 5 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	2.48 ng	106249	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	93
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110123.D
Acq On : 24 Oct 2018 19:00
Operator : JU/SJ
Sample : J5198-25 2X
Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-102318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

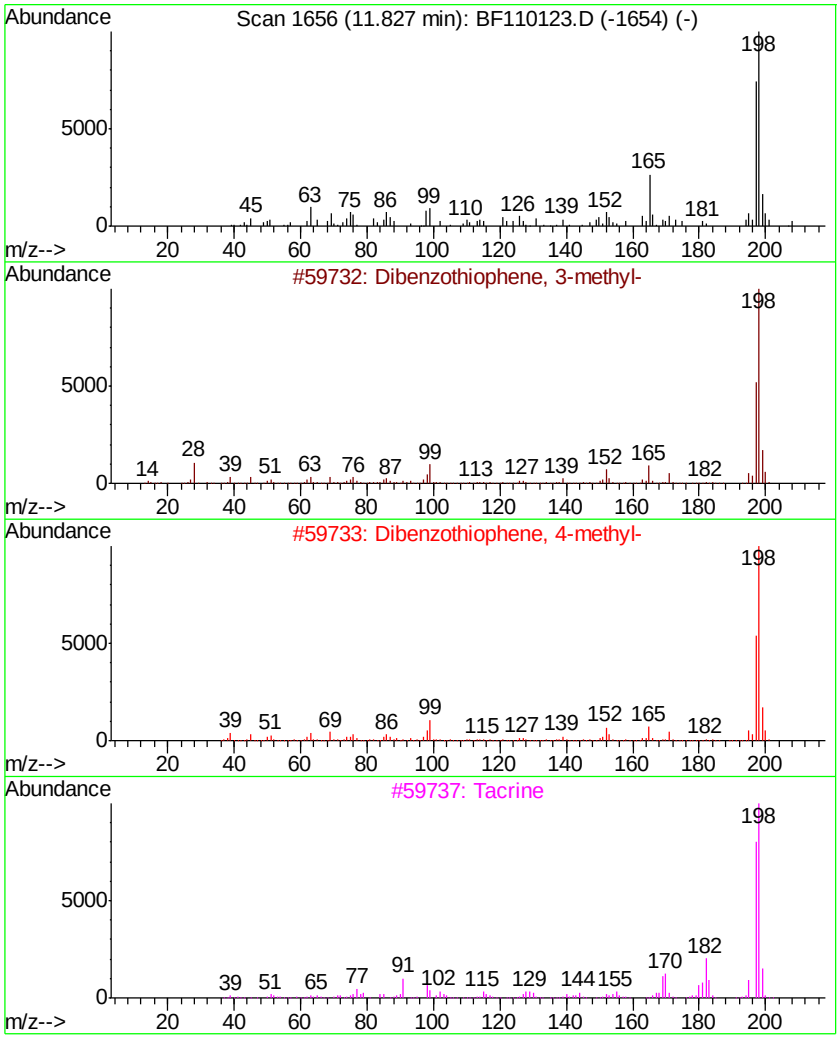
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

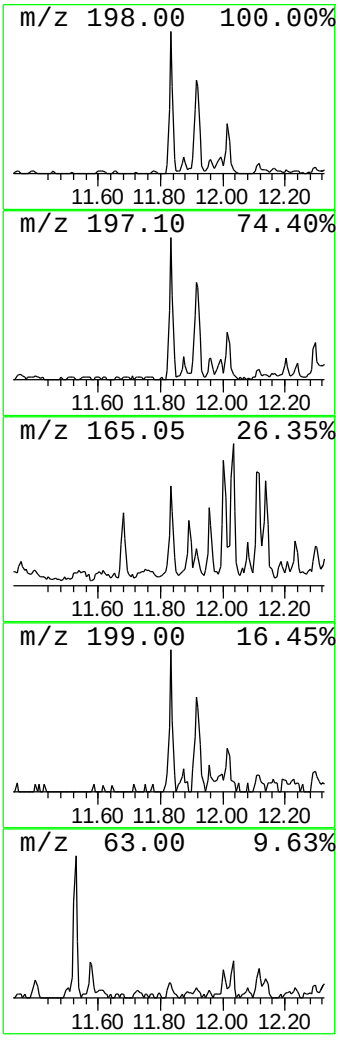
****

Peak Number 6 Dibenzothiophene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.68 ng	114990	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	74
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	74
3	Tacrine	198	C13H14N2	000321-64-2	64
4	Thioxanthene	198	C13H10S	000261-31-4	64
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





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Acq On : 24 Oct 2018 19:00
Operator : JU/SJ
Sample : J5198-25 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId : CL-01-102318-C

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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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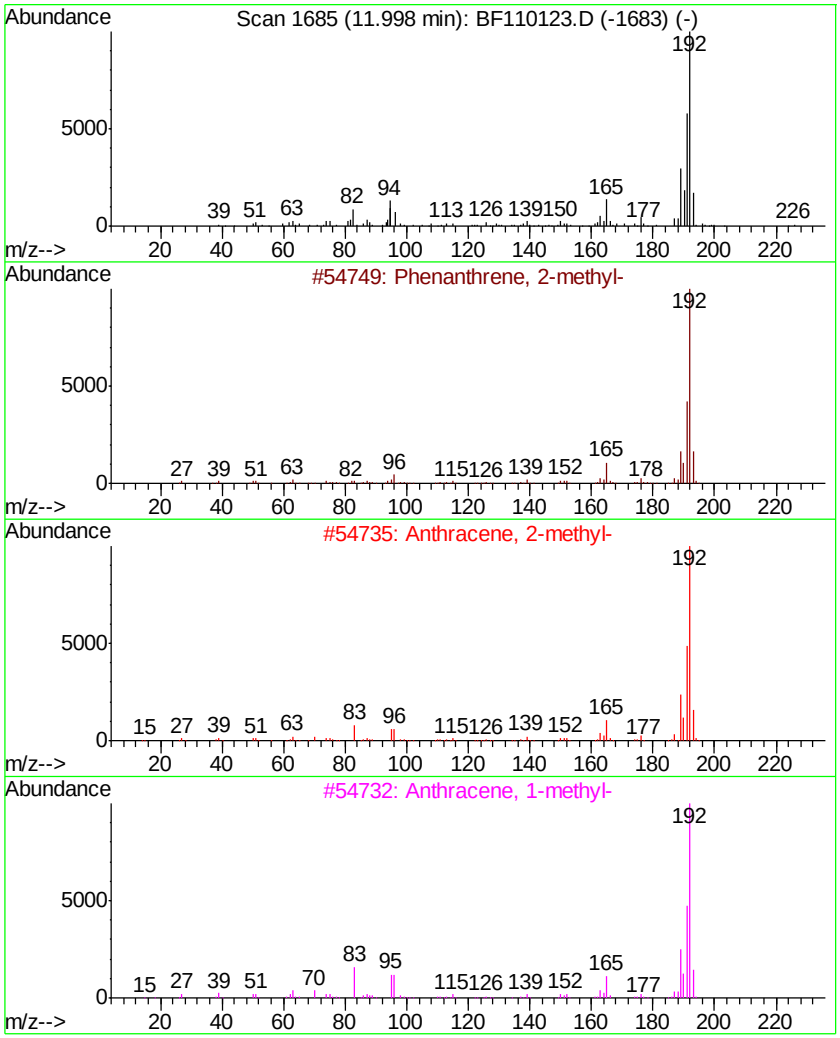
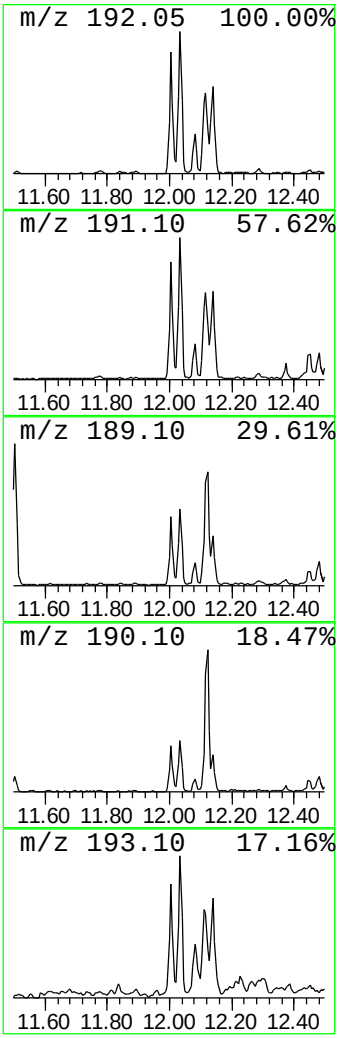
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	7.00 ng	300374	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83





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Sample : J5198-25 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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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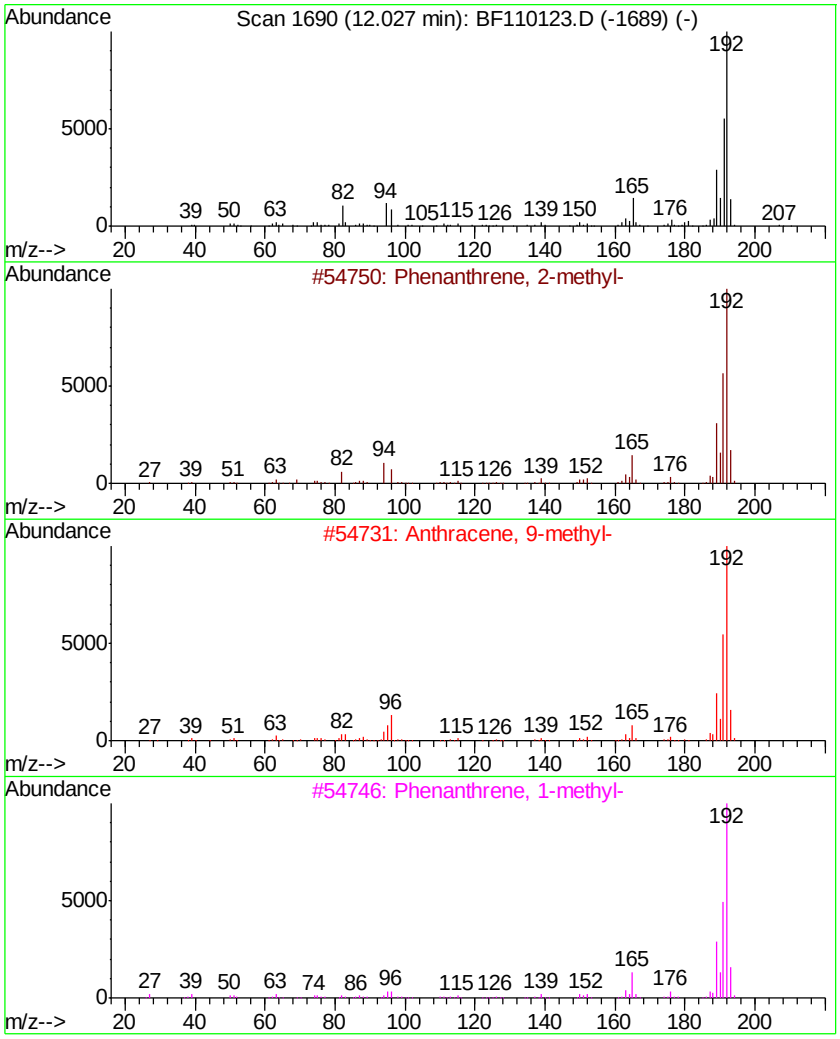
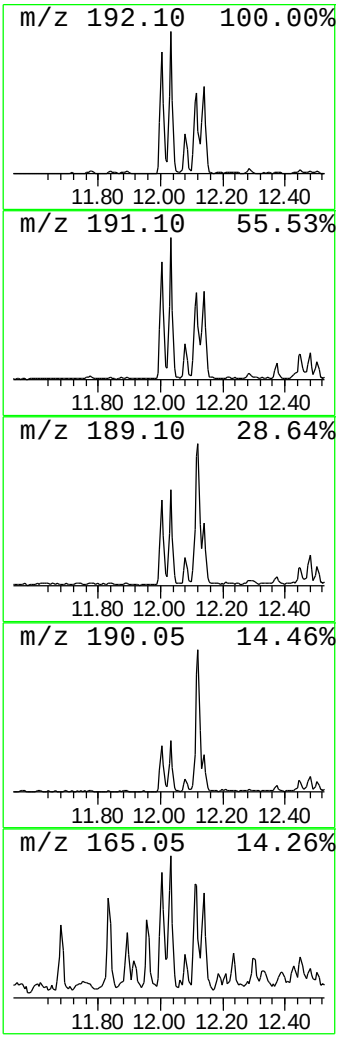
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	6.15 ng	263731	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Sample : J5198-25 2X
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Instrument : BNA_F
ClientSampleId : CL-01-102318-C

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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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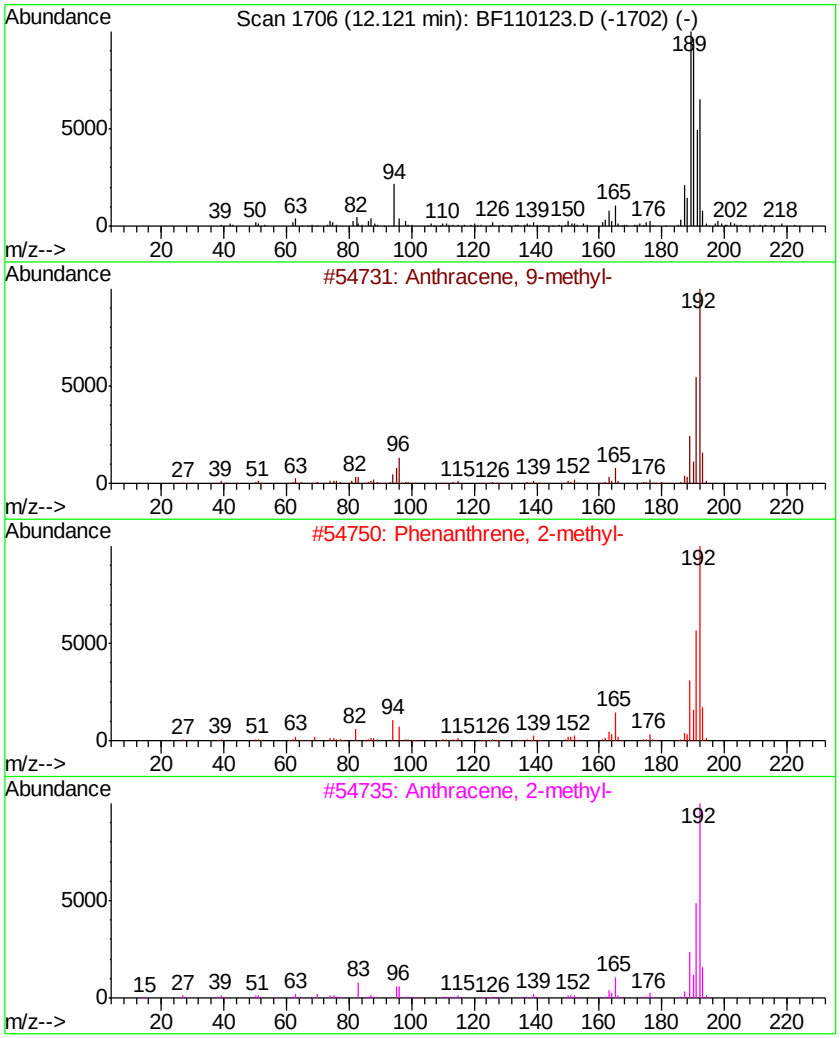
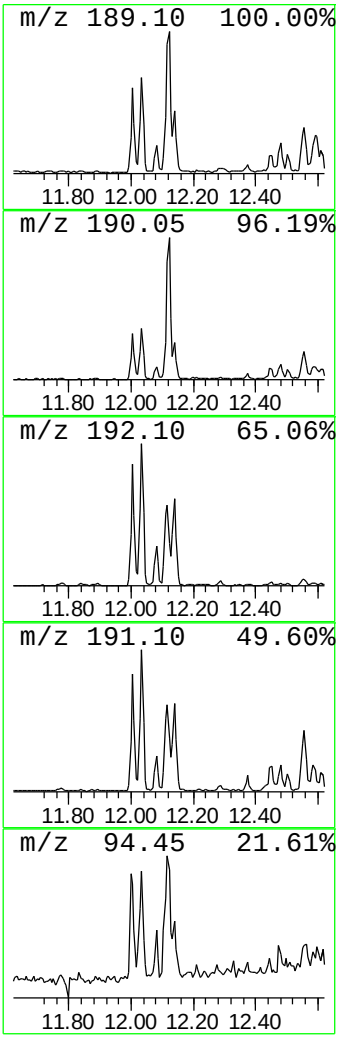
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	7.39 ng	317085	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	60
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55





Library Search Compound Report

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Operator : JU/SJ
Sample : J5198-25 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-C

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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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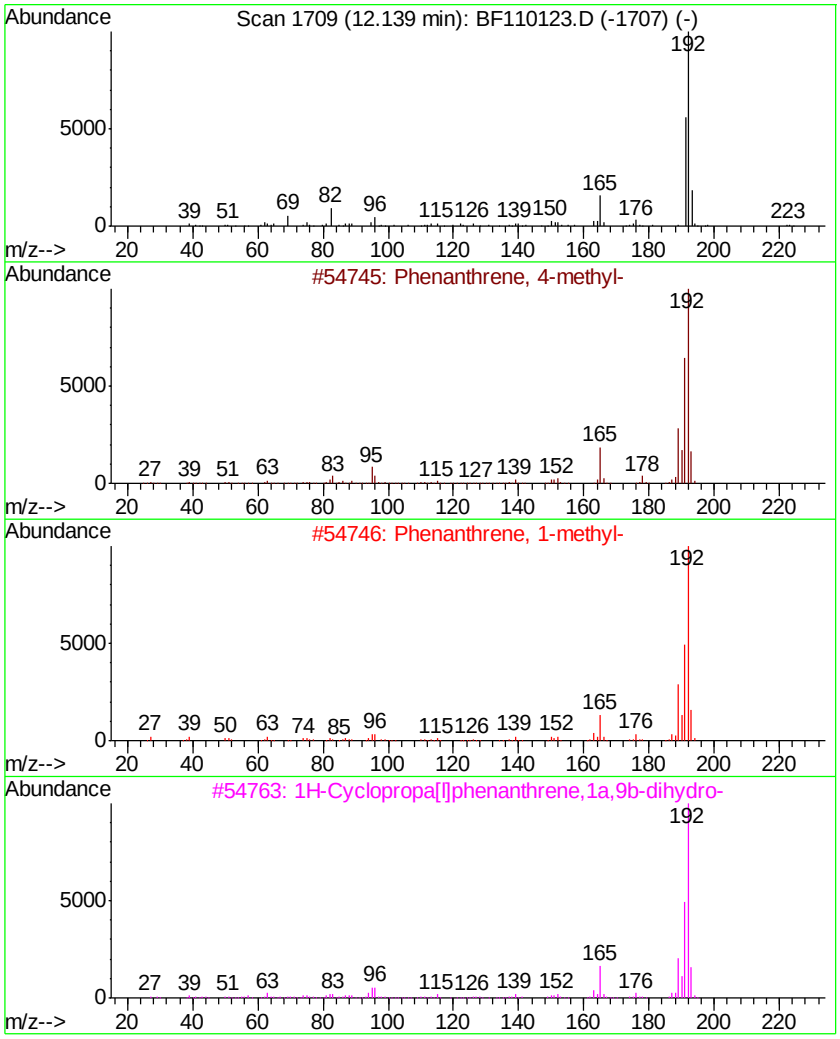
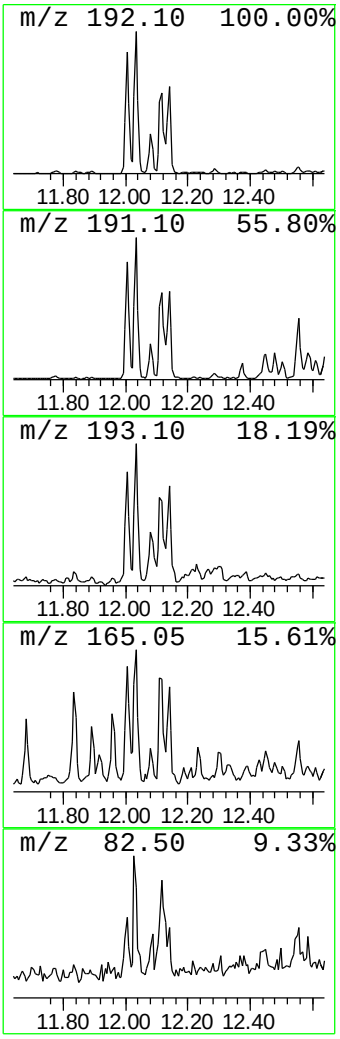
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	4.20 ng	180118	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-102318-C

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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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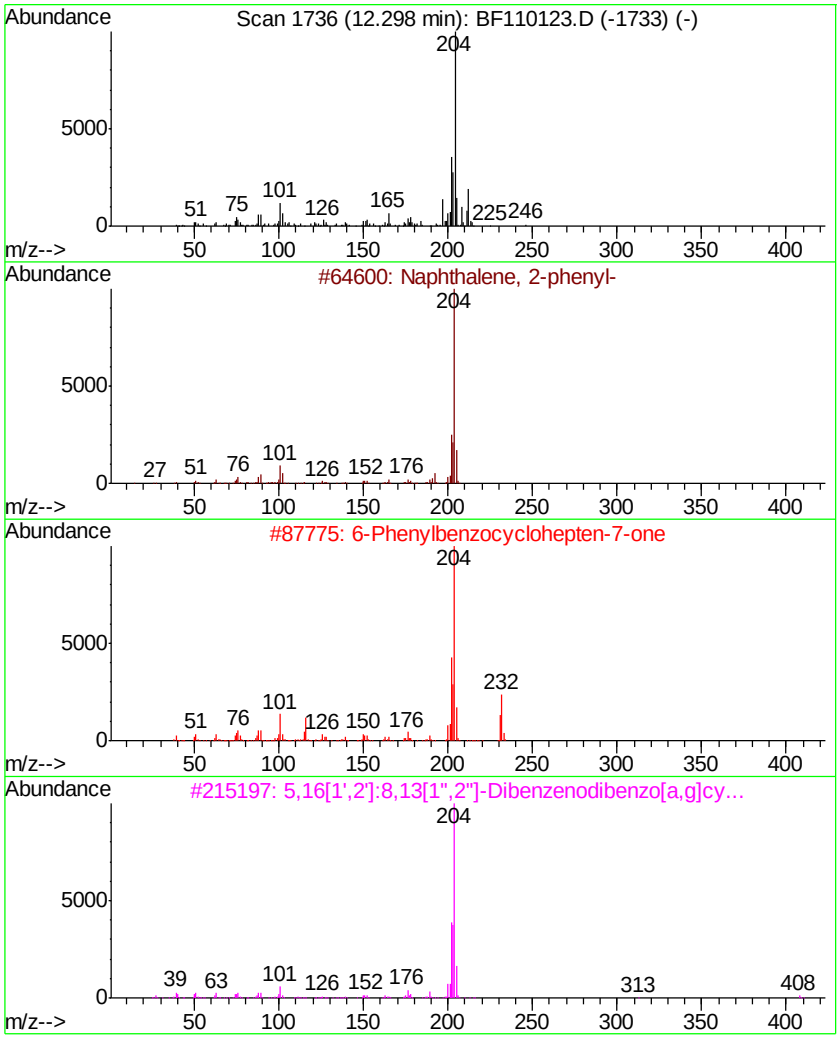
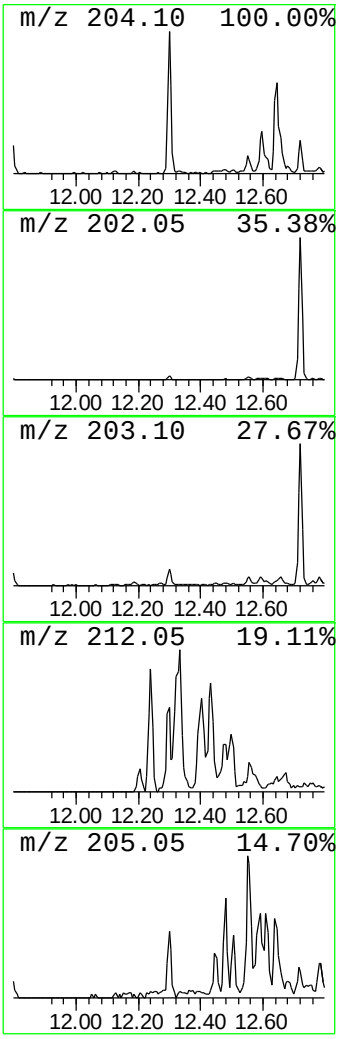
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	3.06 ng	131436	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	46
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	46





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Sample : J5198-25 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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ClientSampleId : CL-01-102318-C

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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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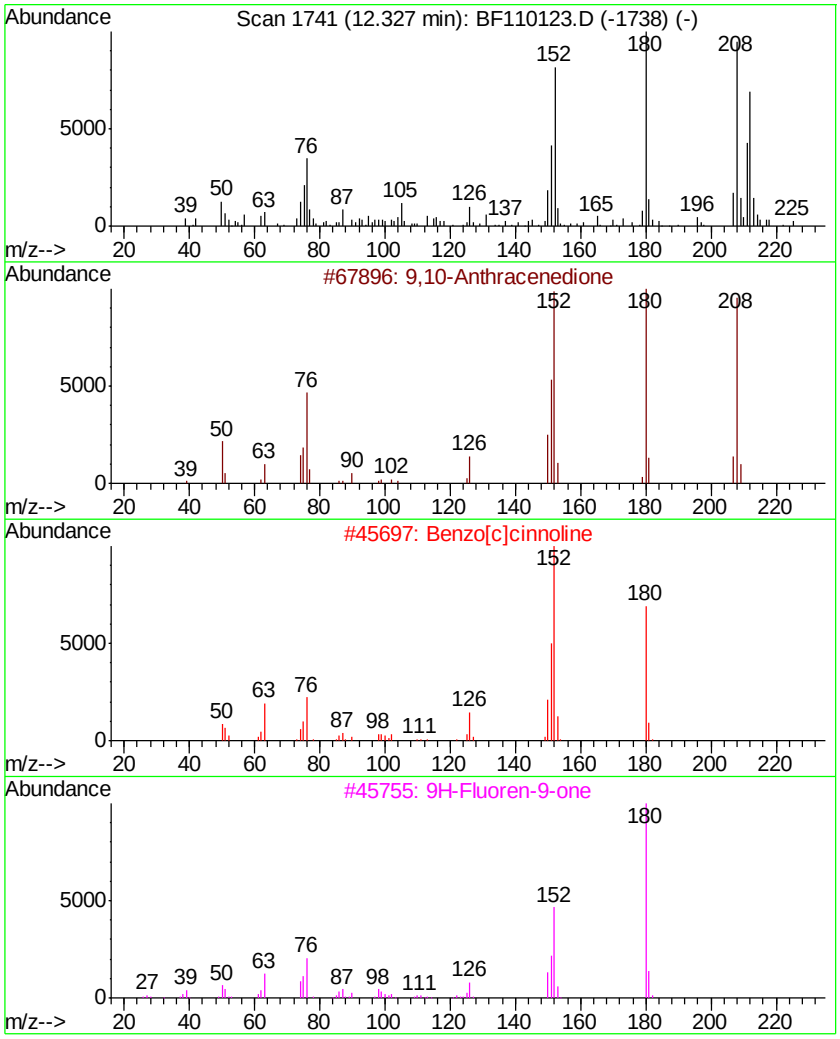
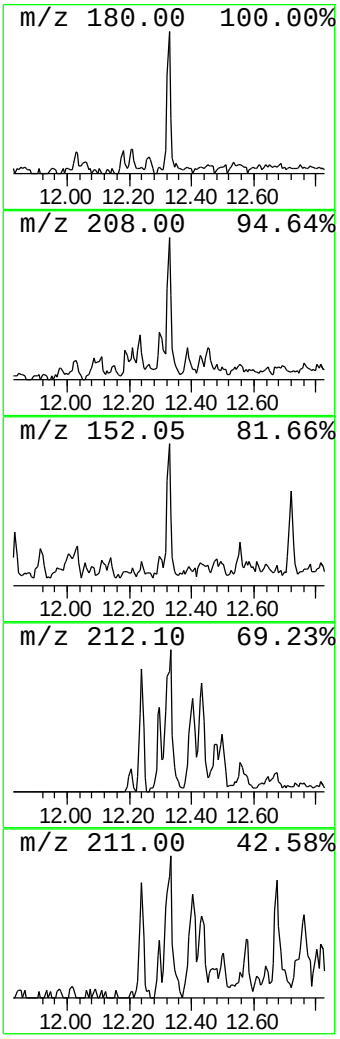
Peak Number 12 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	3.00 ng	128810	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	46
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	43





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Sample : J5198-25 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-C

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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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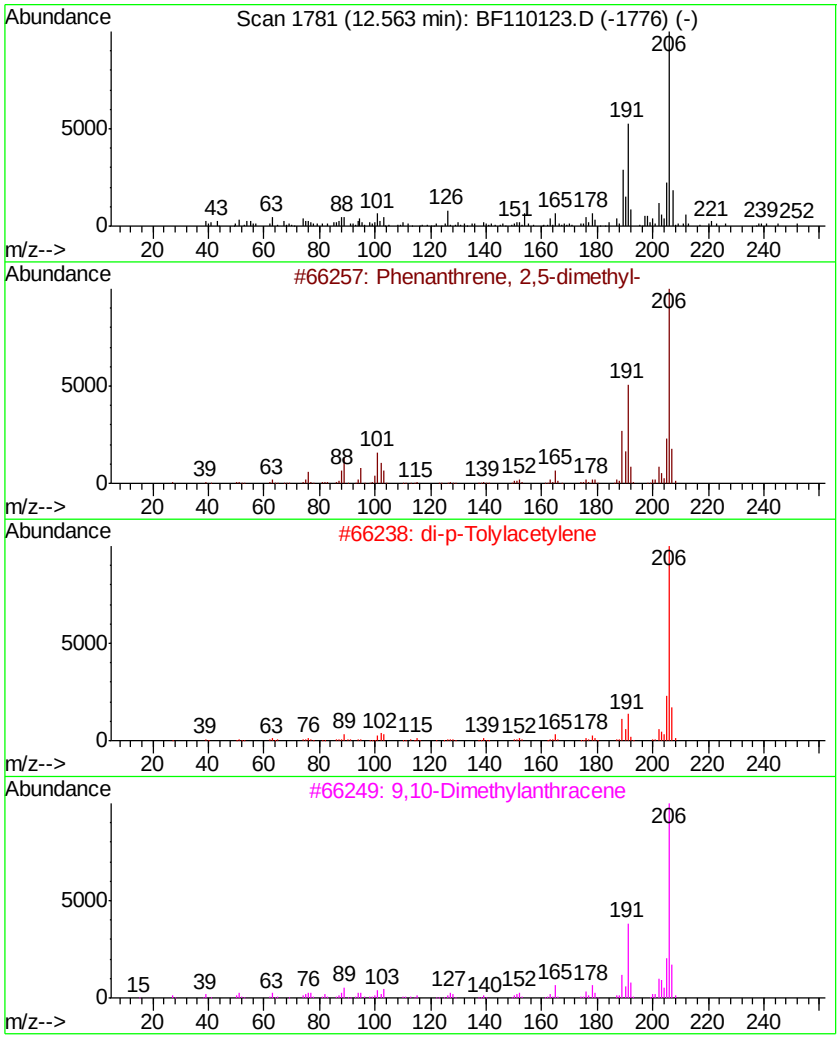
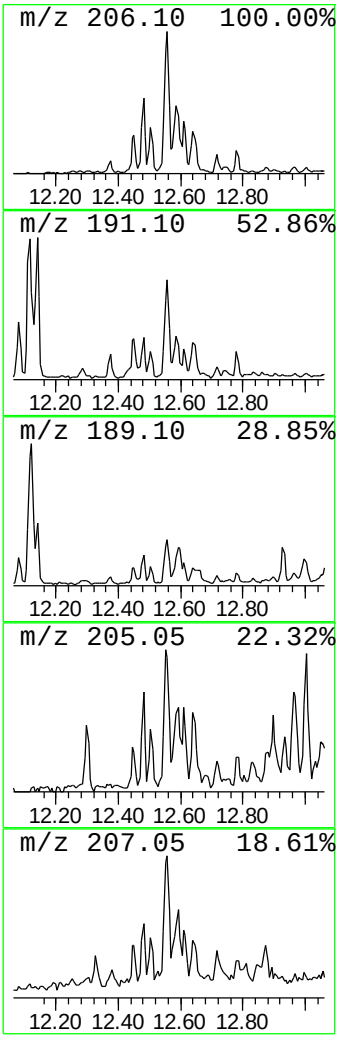
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	5.61 ng	240497	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81





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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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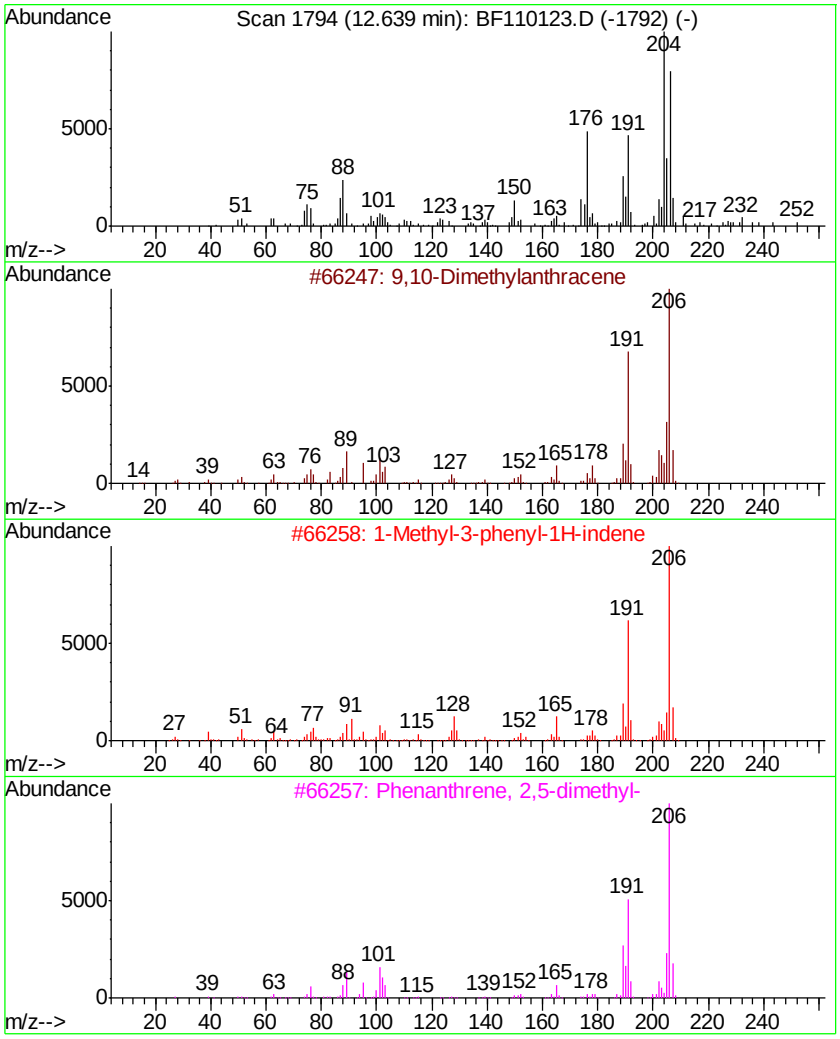
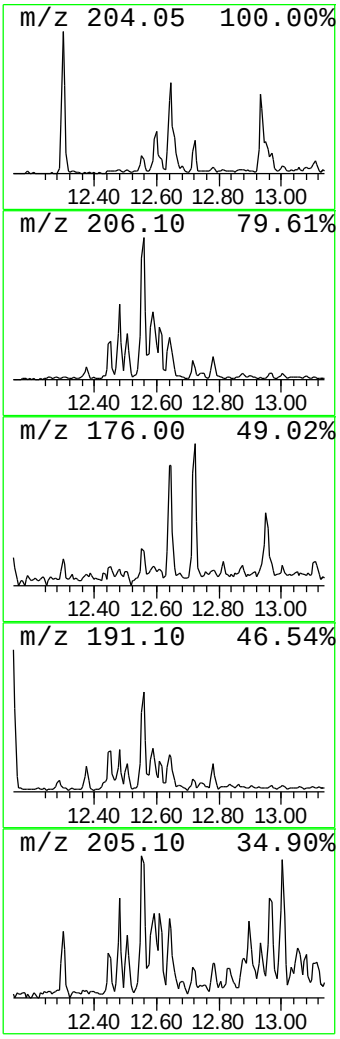
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	3.35 ng	143644	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
2	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	50
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	50
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	50
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	46





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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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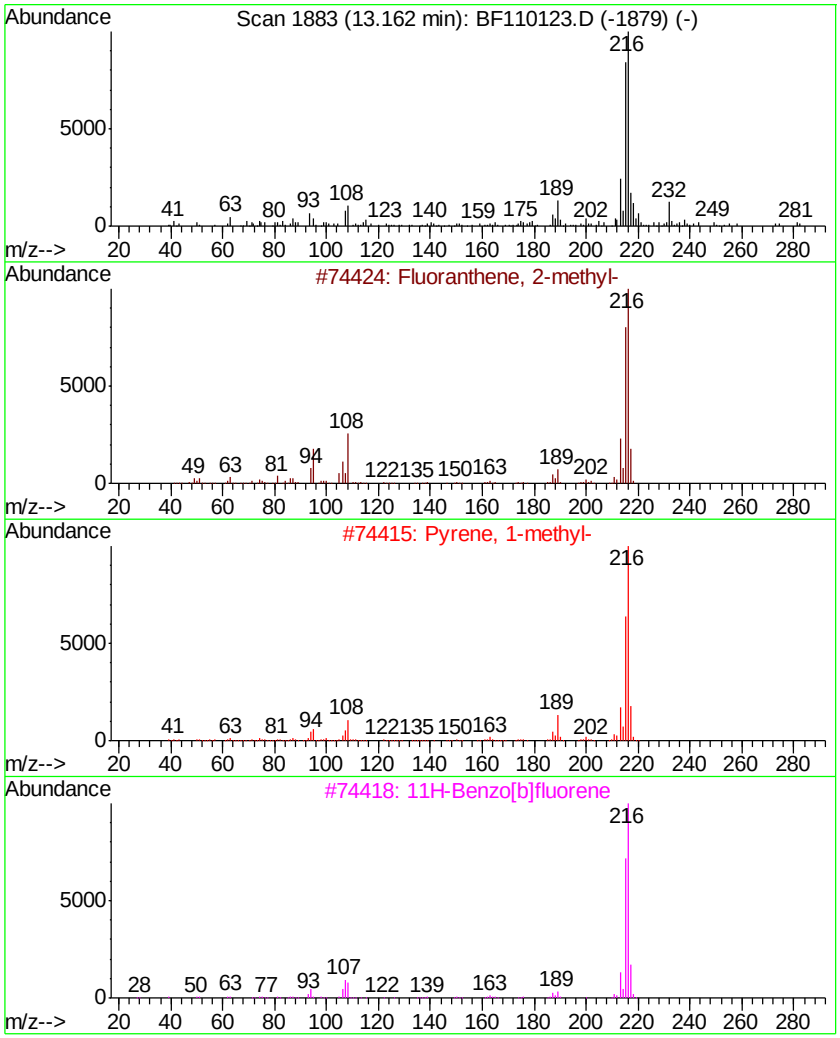
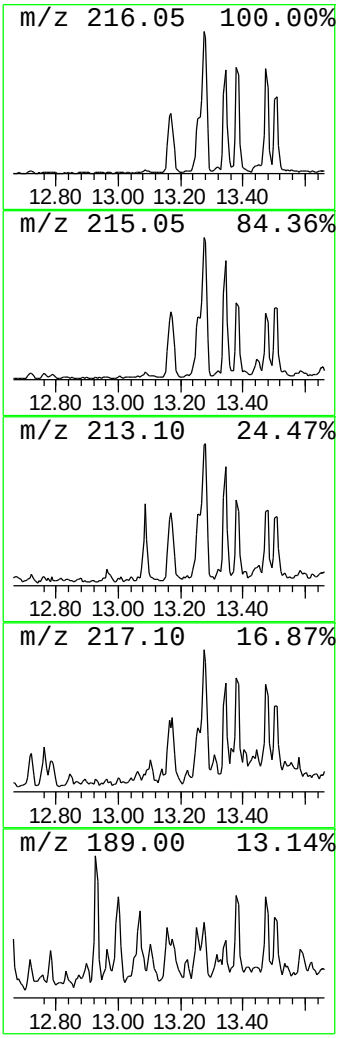
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	3.02 ng	211256	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Misc :
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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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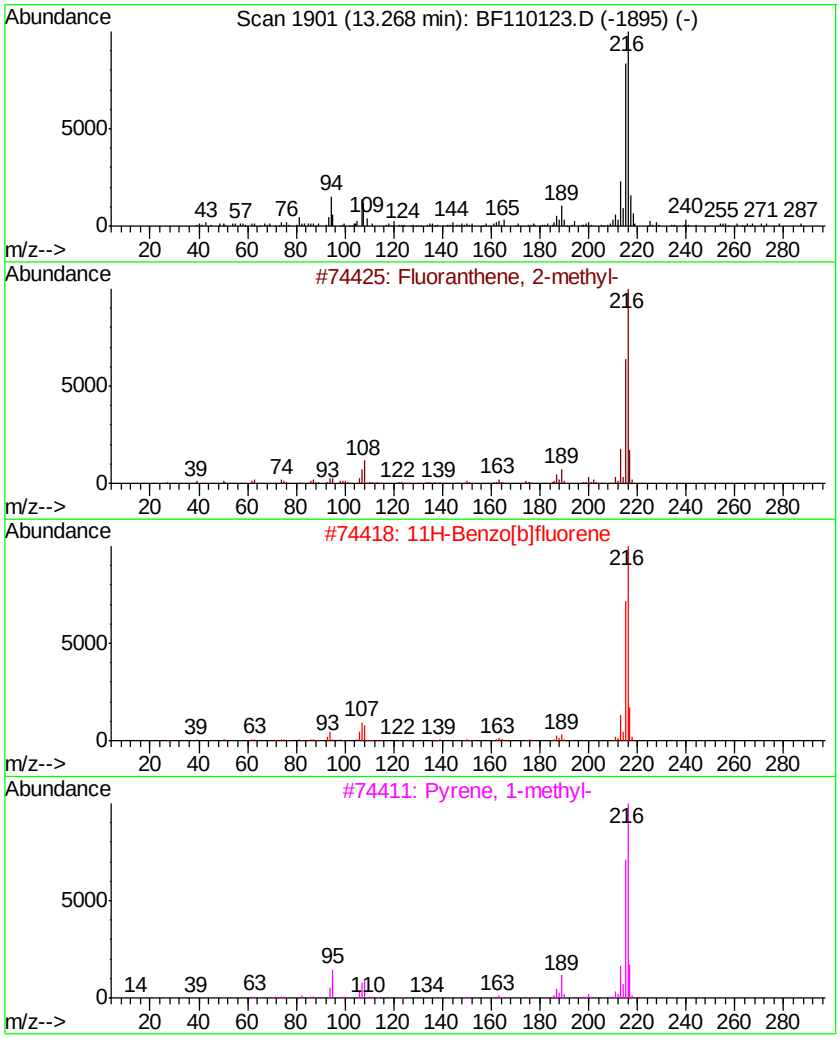
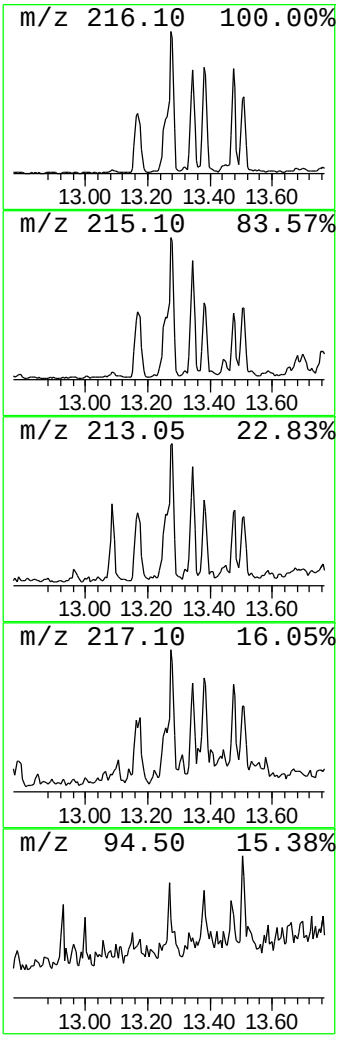
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	4.68 ng	327213	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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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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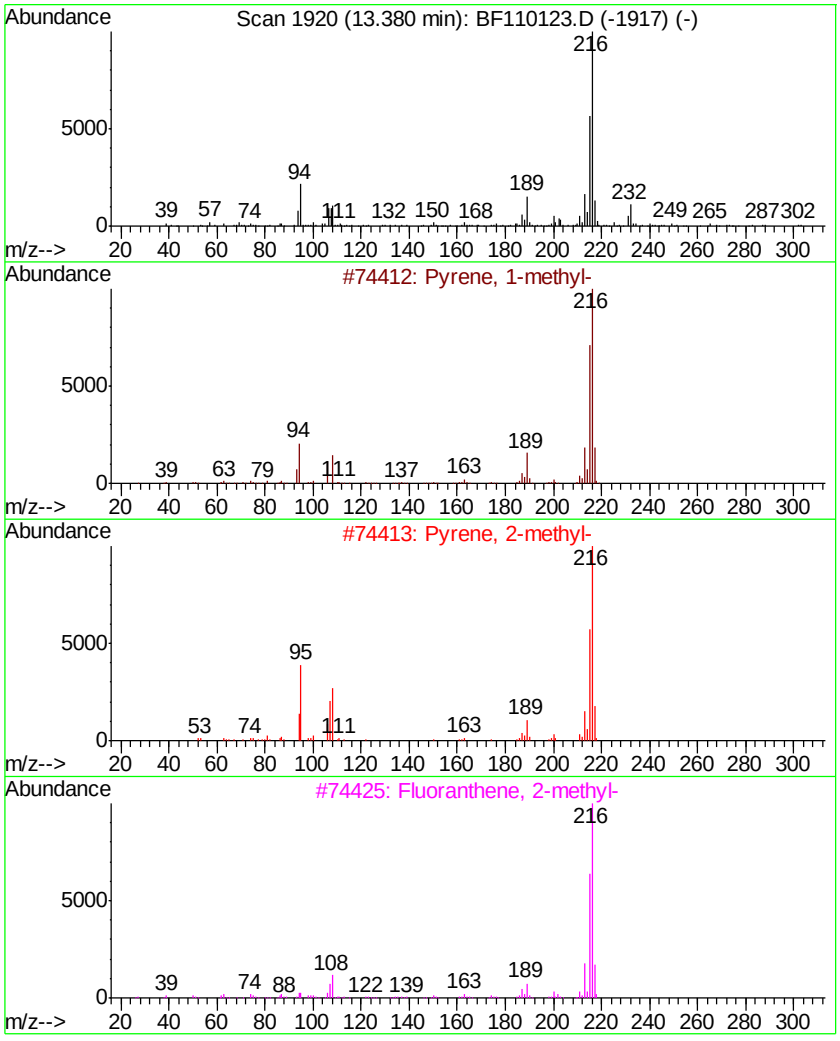
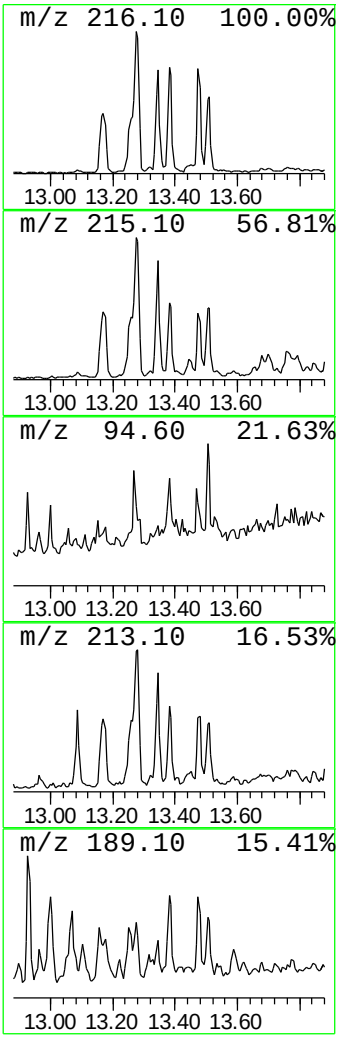
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.14 ng	149559	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72





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Sample : J5198-25 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

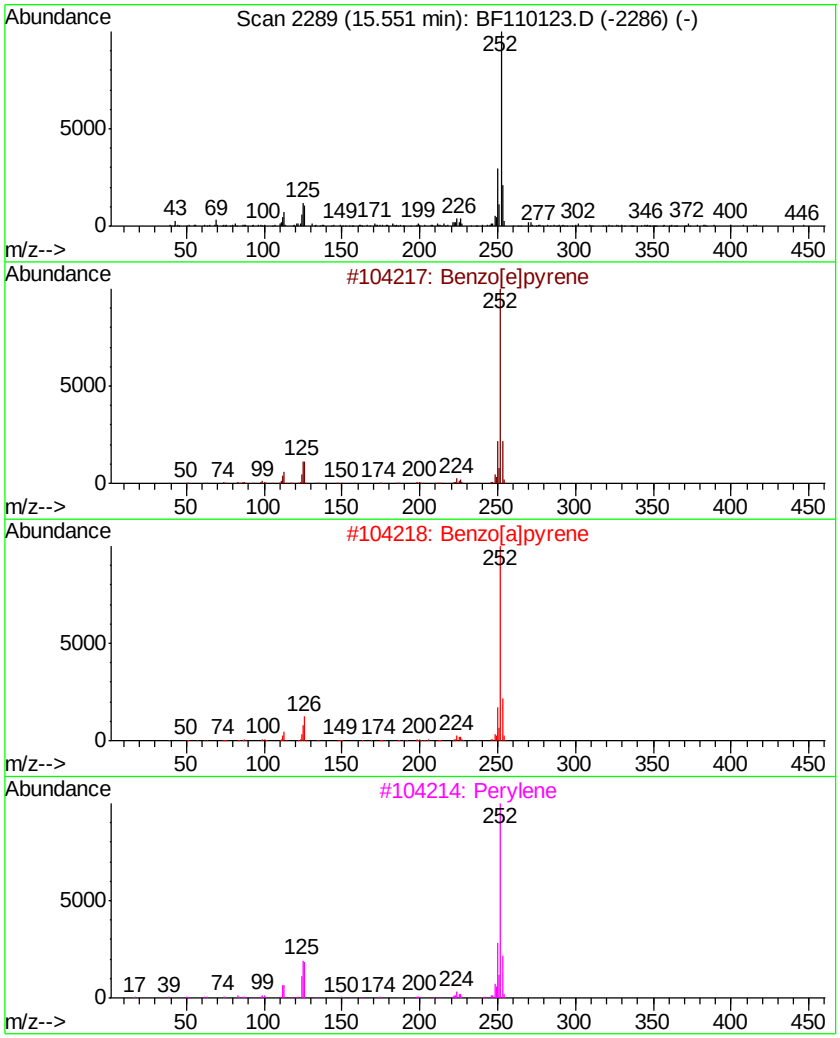
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

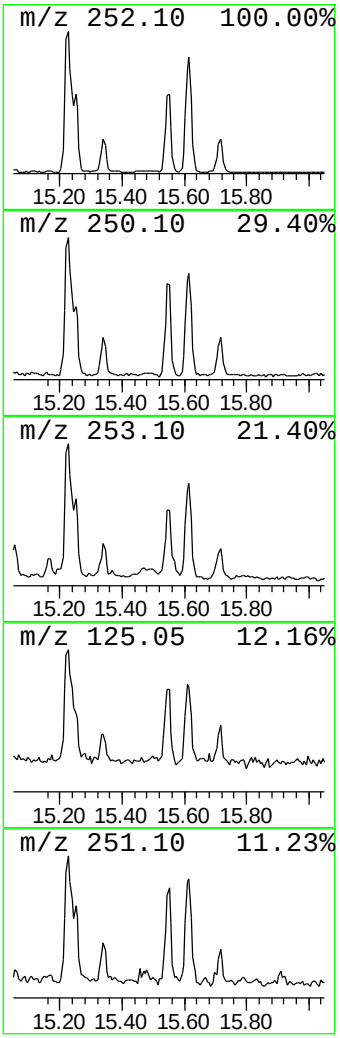
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	6.26 ng	203015	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	94
3	Perylene	252	C20H12	000198-55-0	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102418\
Data File : BF110123.D
Acq On : 24 Oct 2018 19:00
Operator : JU/SJ
Sample : J5198-25 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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
Butane, 2-methoxy...	2.26	6.0	ng	259856	1	6.97	864518	20.0
unknown6.73	6.73	37.1	ng	1605470	1	6.97	864518	20.0
1,2-Benzenediamin...	10.92	2.7	ng	116677	4	11.50	857906	20.0
Dibenzothiophene	11.40	2.5	ng	106249	4	11.50	857906	20.0
Dibenzothiophene,...	11.83	2.7	ng	114990	4	11.50	857906	20.0
Anthracene, 2-met...	12.00	7.0	ng	300374	4	11.50	857906	20.0
Phenanthrene, 2-m...	12.03	6.2	ng	263731	4	11.50	857906	20.0
Anthracene, 9-met...	12.12	7.4	ng	317085	4	11.50	857906	20.0
Phenanthrene, 4-m...	12.14	4.2	ng	180118	4	11.50	857906	20.0
Naphthalene, 2-ph...	12.30	3.1	ng	131436	4	11.50	857906	20.0
9,10-Anthracenedione	12.33	3.0	ng	128810	4	11.50	857906	20.0
Phenanthrene, 2,5...	12.56	5.6	ng	240497	4	11.50	857906	20.0
9,10-Dimethylanth...	12.64	3.4	ng	143644	4	11.50	857906	20.0
11H-Benzo[b]fluorene	13.16	3.0	ng	211256	5	14.15	1399700	20.0
Fluoranthene, 2-m...	13.27	4.7	ng	327213	5	14.15	1399700	20.0
Pyrene, 1-methyl-	13.38	2.1	ng	149559	5	14.15	1399700	20.0
Benzo[e]pyrene	15.55	6.3	ng	203015	6	15.68	648927	20.0