LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111518\
Data File : BF110797.D
Acq On : 15 Nov 2018 19:17
Operator : JU/SJ
Sample : J5767-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111418-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-BF110818.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	5.551	586	589	605	rBV	585770	663208	60.04%	2.293%
2	6.563	757	761	776	rBV	616090	728259	65.93%	2.518%
3	6.704	782	785	791	rBV	838535	734176	66.46%	2.539%
4	6.939	821	825	831	rBV	426279	382134	34.59%	1.321%
5	7.092	848	851	859	rVB	642405	584842	52.94%	2.022%
6	7.504	917	921	932	rBV	403827	468245	42.39%	1.619%
7	8.222	1039	1043	1045	rBV	598103	517708	46.87%	1.790%
8	8.245	1045	1047	1053	rVV	462097	427105	38.66%	1.477%
9	8.933	1161	1164	1171	rBV	898456	802412	72.64%	2.774%
10	9.033	1176	1181	1192	rVV	815679	739489	66.94%	2.557%
11	9.292	1222	1225	1231	rVV	1003922	790603	71.57%	2.734%
12	9.398	1240	1243	1248	rVB	99445	78648	7.12%	0.272%
13	9.492	1257	1259	1266	rVB	124019	140504	12.72%	0.486%
14	9.563	1266	1271	1275	rBV	417268	575018	52.05%	1.988%
15	9.633	1279	1283	1286	rBV	627130	661420	59.87%	2.287%
16	9.663	1286	1288	1291	rVV	447549	331813	30.04%	1.147%
17	9.757	1299	1304	1305	rBV	283356	267251	24.19%	0.924%
18	9.839	1315	1318	1323	rVB2	288054	257153	23.28%	0.889%
19	9.957	1335	1338	1340	rBV	142736	125431	11.35%	0.434%
20	9.980	1340	1342	1345	rVV	613591	502568	45.49%	1.738%
21	10.016	1345	1348	1350	rVV	182697	155385	14.07%	0.537%
22	10.086	1355	1360	1363	rBV2	113983	159268	14.42%	0.551%
23	10.180	1372	1376	1380	rVB3	193095	216710	19.62%	0.749%
24	10.222	1380	1383	1386	rVB	239977	199533	18.06%	0.690%
25	10.292	1391	1395	1398	rBV	216230	222138	20.11%	0.768%
26	10.322	1398	1400	1406	rVB	145288	134128	12.14%	0.464%
27	10.386	1406	1411	1413	rBV2	154529	229746	20.80%	0.794%
28	10.404	1413	1414	1417	rVB	137502	72528	6.57%	0.251%
29	10.474	1424	1426	1429	rVB	102959	79472	7.19%	0.275%
30	10.533	1432	1436	1441	rVB2	414431	460064	41.65%	1.591%
31	10.598	1441	1447	1448	rBV3	79308	125805	11.39%	0.435%
32	10.774	1471	1477	1480	rBV3	476390	500032	45.27%	1.729%
33	10.892	1490	1497	1503	rVB3	68357	115164	10.43%	0.398%
34	11.080	1523	1529	1531	rVV	258964	343905	31.13%	1.189%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111518\
Data File : BF110797.D
Acq On : 15 Nov 2018 19:17
Operator : JU/SJ
Sample : J5767-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111418-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-BF110818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.110	1531	1534	1537	rVV	225976	221176	20.02%	0.765%
36	11.163	1540	1543	1546	rVV	165180	154662	14.00%	0.535%
37	11.210	1546	1551	1553	rVV2	76868	143746	13.01%	0.497%
38	11.227	1553	1554	1558	rVV3	69268	72029	6.52%	0.249%
39	11.280	1559	1563	1567	rVV5	70861	111147	10.06%	0.384%
40	11.316	1567	1569	1575	rVV4	55704	108361	9.81%	0.375%
41	11.374	1575	1579	1588	rVB	173653	190318	17.23%	0.658%
42	11.474	1593	1596	1598	rBV	484437	436210	39.49%	1.508%
43	11.504	1598	1601	1604	rVV	1183034	1033493	93.56%	3.573%
44	11.551	1607	1609	1612	rBV	180956	191328	17.32%	0.662%
45	11.580	1612	1614	1617	rVV	98553	112894	10.22%	0.390%
46	11.627	1620	1622	1628	rVB2	55993	91256	8.26%	0.316%
47	11.716	1632	1637	1644	rBV6	69866	151510	13.72%	0.524%
48	11.810	1647	1653	1656	rBV2	165835	180092	16.30%	0.623%
49	11.892	1663	1667	1671	rVB	117571	139574	12.63%	0.483%
50	11.980	1678	1682	1684	rBV	514796	493387	44.66%	1.706%
51	12.010	1684	1687	1690	rVB	578569	495534	44.86%	1.713%
52	12.057	1691	1695	1697	rBV	191079	167363	15.15%	0.579%
53	12.092	1697	1701	1703	rBV2	490236	553184	50.08%	1.913%
54	12.116	1703	1705	1709	rVB	432092	344310	31.17%	1.190%
55	12.210	1718	1721	1724	rVB	76888	67562	6.12%	0.234%
56	12.268	1728	1731	1734	rBV	166460	164787	14.92%	0.570%
57	12.304	1736	1737	1742	rVB2	98123	98112	8.88%	0.339%
58	12.421	1755	1757	1760	rVB	91506	65837	5.96%	0.228%
59	12.451	1760	1762	1765	rBV	131000	110820	10.03%	0.383%
60	12.480	1765	1767	1769	rVB2	105680	83590	7.57%	0.289%
61	12.527	1771	1775	1778	rBV	439473	445416	40.32%	1.540%
62	12.568	1778	1782	1784	rBV2	175430	220140	19.93%	0.761%
63	12.616	1787	1790	1791	rBV	120077	129170	11.69%	0.447%
64	12.698	1800	1804	1807	rBV	641365	640808	58.01%	2.216%
65	12.733	1807	1810	1812	rVV	113771	120972	10.95%	0.418%
66	12.757	1812	1814	1818	rVV	134596	131538	11.91%	0.455%
67	12.845	1825	1829	1831	rVV2	97320	104349	9.45%	0.361%
68	12.927	1836	1843	1848	rBV	969529	1104671	100.00%	3.820%
69	12.974	1848	1851	1855	rBV	144616	133306	12.07%	0.461%
70	13.027	1855	1860	1862	rBV3	66518	100034	9.06%	0.346%
71	13.057	1862	1865	1868	rVV	781026	663324	60.05%	2.294%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111518\
Data File : BF110797.D
Acq On : 15 Nov 2018 19:17
Operator : JU/SJ
Sample : J5767-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111418-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-BF110818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.080	1868	1869	1875	rVB2	104735	86018	7.79%	0.297%
73	13.145	1875	1880	1885	rBV4	165078	306097	27.71%	1.058%
74	13.198	1885	1889	1891	rBV4	75921	83918	7.60%	0.290%
75	13.257	1891	1899	1903	rVB	265519	465719	42.16%	1.610%
76	13.321	1907	1910	1913	rVB	205438	162573	14.72%	0.562%
77	13.363	1913	1917	1920	rBV	260757	257911	23.35%	0.892%
78	13.451	1930	1932	1935	rBV	232673	218571	19.79%	0.756%
79	13.486	1935	1938	1941	rVB	241485	203676	18.44%	0.704%
80	13.657	1964	1967	1969	rBV	84010	95973	8.69%	0.332%
81	13.739	1977	1981	1983	rBV3	89691	126633	11.46%	0.438%
82	13.768	1984	1986	1990	rVV2	142751	146859	13.29%	0.508%
83	13.862	1999	2002	2003	rBV	80029	74937	6.78%	0.259%
84	13.880	2003	2005	2007	rVV2	132156	118010	10.68%	0.408%
85	13.904	2007	2009	2012	rVB	107209	77681	7.03%	0.269%
86	13.933	2012	2014	2020	rBV3	109138	163457	14.80%	0.565%
87	14.127	2042	2047	2050	rBV2	644951	978399	88.57%	3.383%
88	14.157	2050	2052	2058	rVB	514436	439669	39.80%	1.520%
89	14.239	2064	2066	2072	rVV5	66208	112735	10.21%	0.390%
90	14.292	2072	2075	2079	rVB4	76355	107879	9.77%	0.373%
91	14.451	2099	2102	2104	rBV3	53577	64189	5.81%	0.222%
92	14.515	2108	2113	2116	rVV	269874	279772	25.33%	0.967%
93	14.551	2116	2119	2123	rVV2	146714	136494	12.36%	0.472%
94	14.645	2133	2135	2137	rBV	134669	119087	10.78%	0.412%
95	15.221	2227	2233	2238	rBV2	220561	516920	46.79%	1.787%
96	15.321	2247	2250	2255	rVB2	68364	83147	7.53%	0.287%
97	15.527	2282	2285	2289	rBV	160302	179121	16.21%	0.619%
98	15.598	2293	2297	2300	rVV	211657	278763	25.23%	0.964%
99	15.662	2304	2308	2311	rBV	243253	289484	26.21%	1.001%
100	17.233	2571	2575	2582	rVB3	85738	179895	16.28%	0.622%

Sum of corrected areas: 28921462

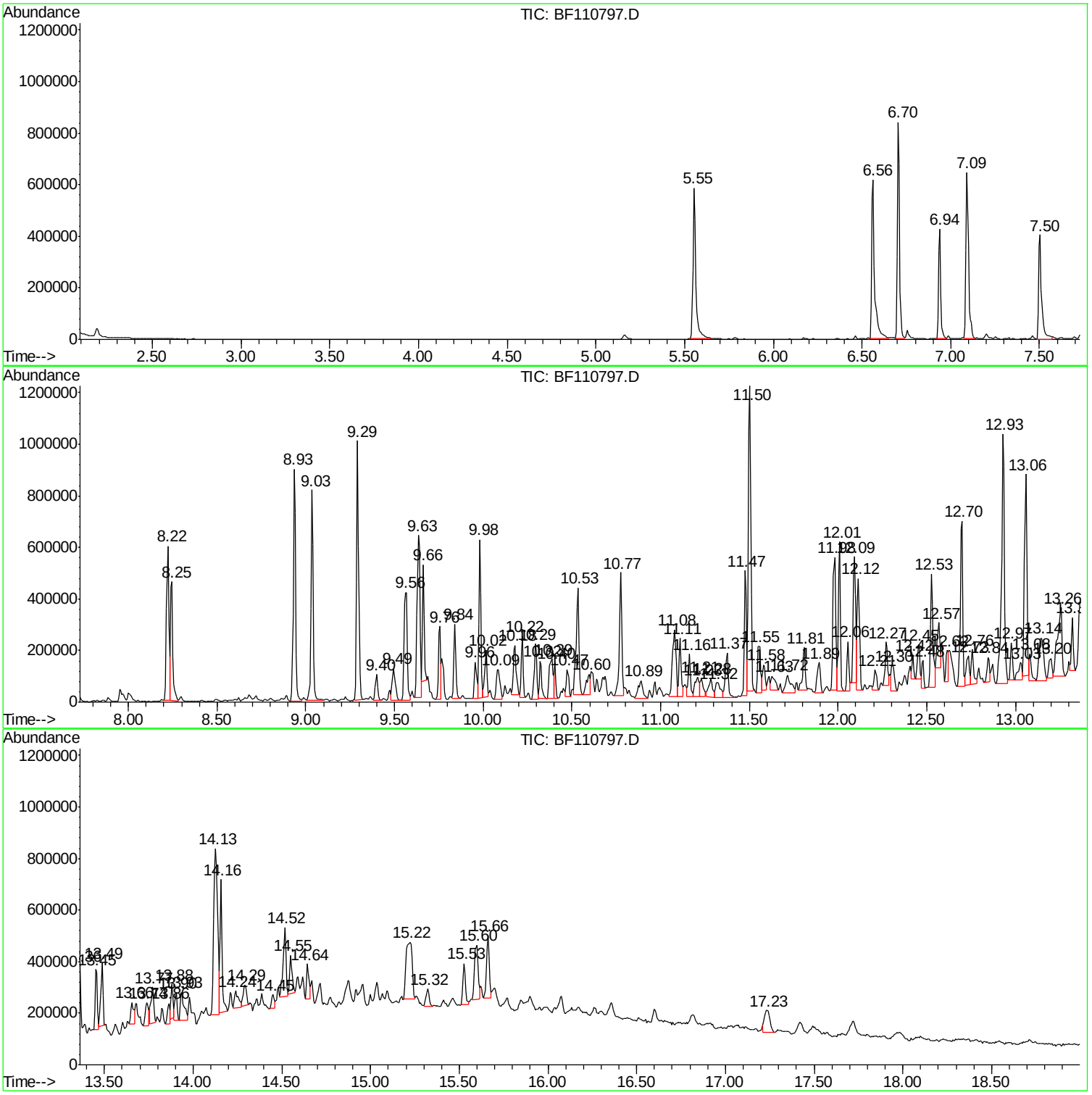
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111518\
Data File : BF110797.D
Acq On : 15 Nov 2018 19:17
Operator : JU/SJ
Sample : J5767-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-111418-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111518\
Data File : BF110797.D
Acq On : 15 Nov 2018 19:17
Operator : JU/SJ
Sample : J5767-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111418-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

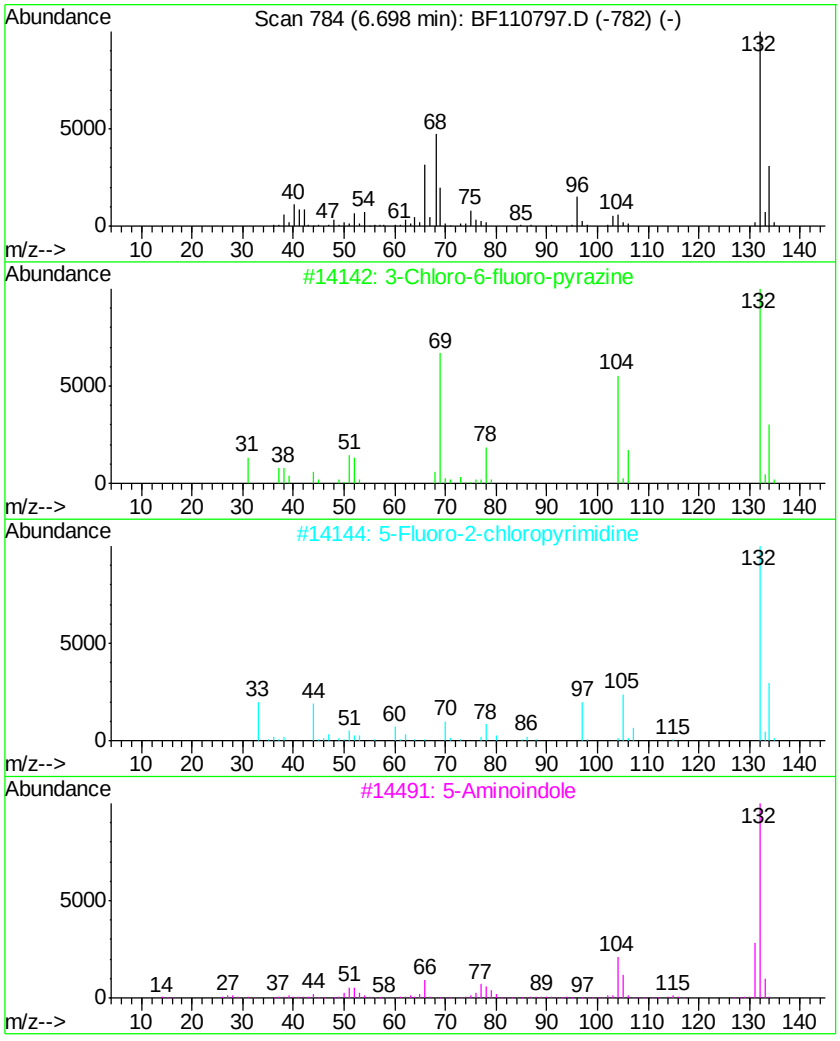
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

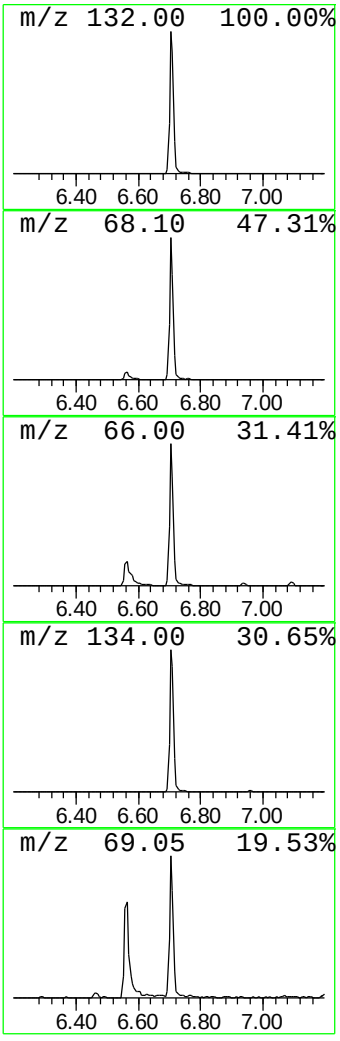
****

Peak Number 1 unknown6.70 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	38.43 ng	734176	1,4-Dichlorobenzene-d4	6.94

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	12
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111518\
Data File : BF110797.D
Acq On : 15 Nov 2018 19:17
Operator : JU/SJ
Sample : J5767-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111418-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

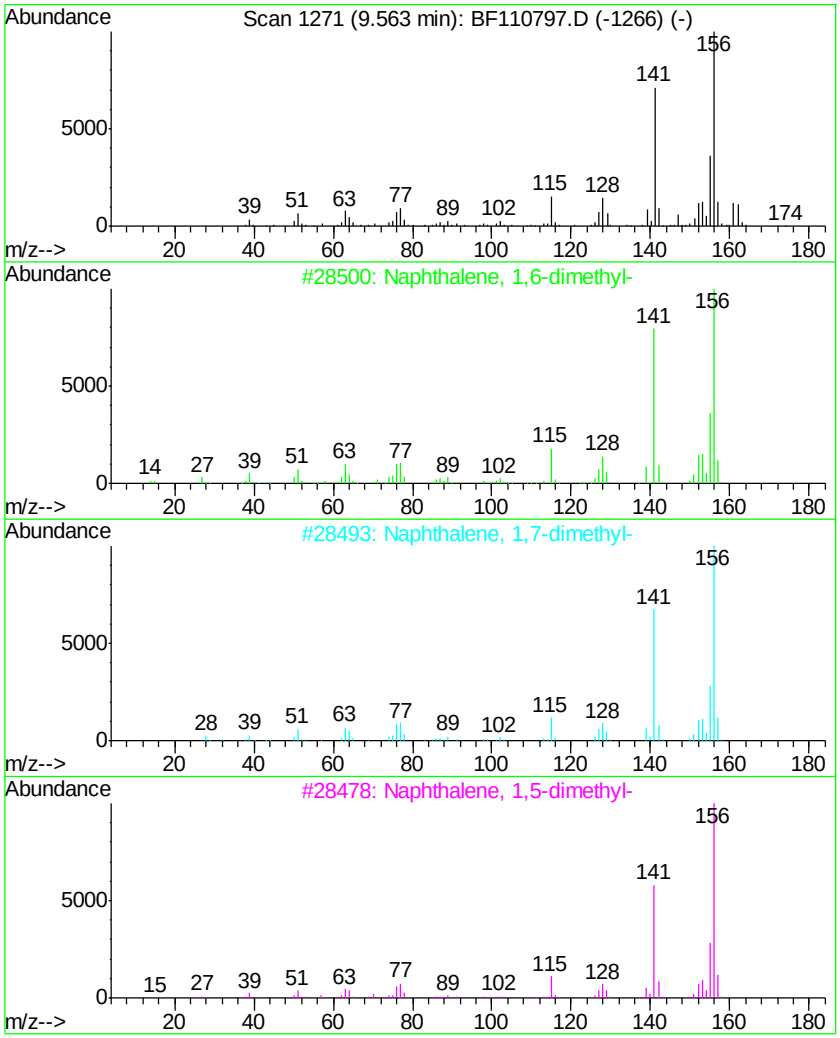
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

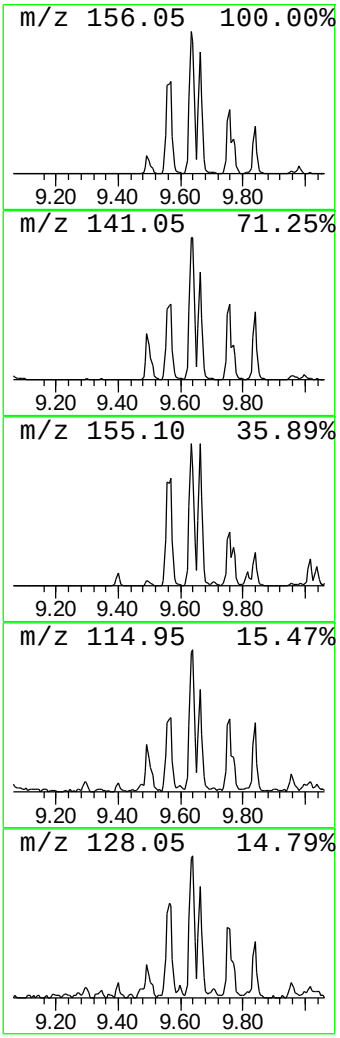
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	22.88 ng	575018	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111518\
Data File : BF110797.D
Acq On : 15 Nov 2018 19:17
Operator : JU/SJ
Sample : J5767-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111418-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

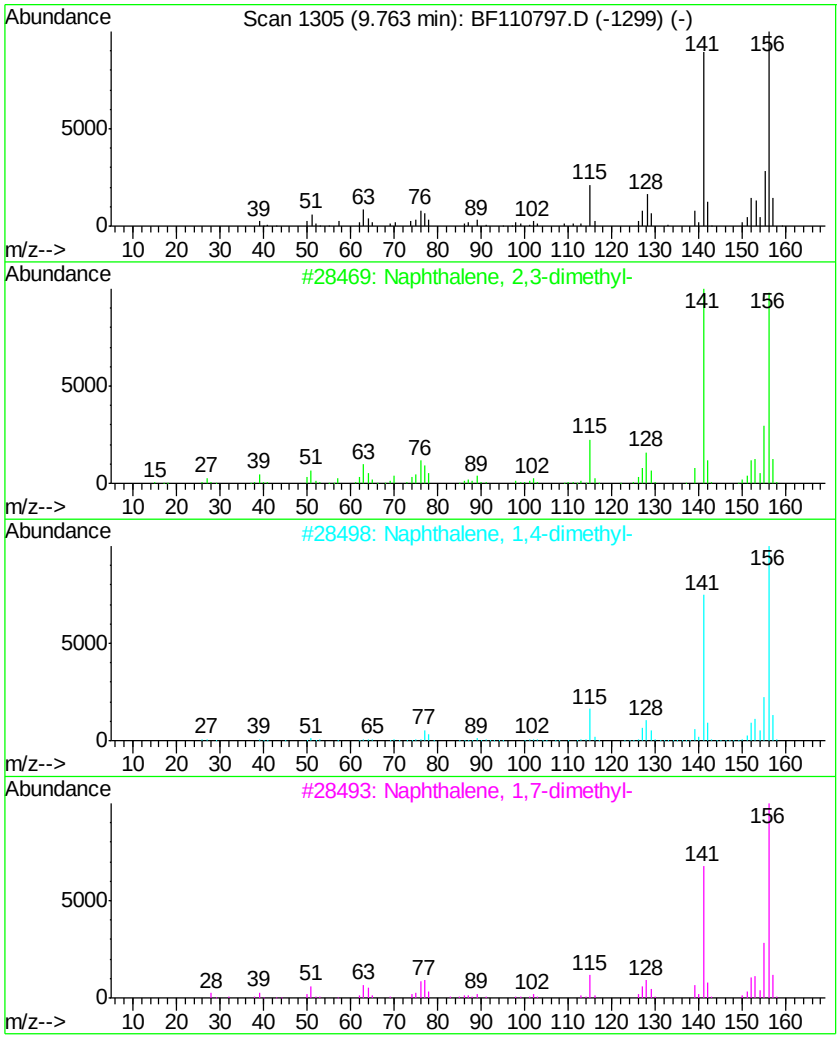
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

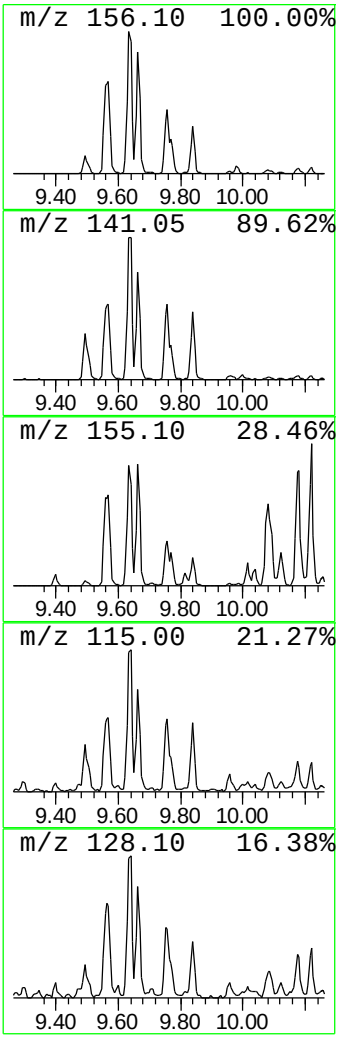
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	10.64 ng	267251	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111518\
Data File : BF110797.D
Acq On : 15 Nov 2018 19:17
Operator : JU/SJ
Sample : J5767-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111418-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

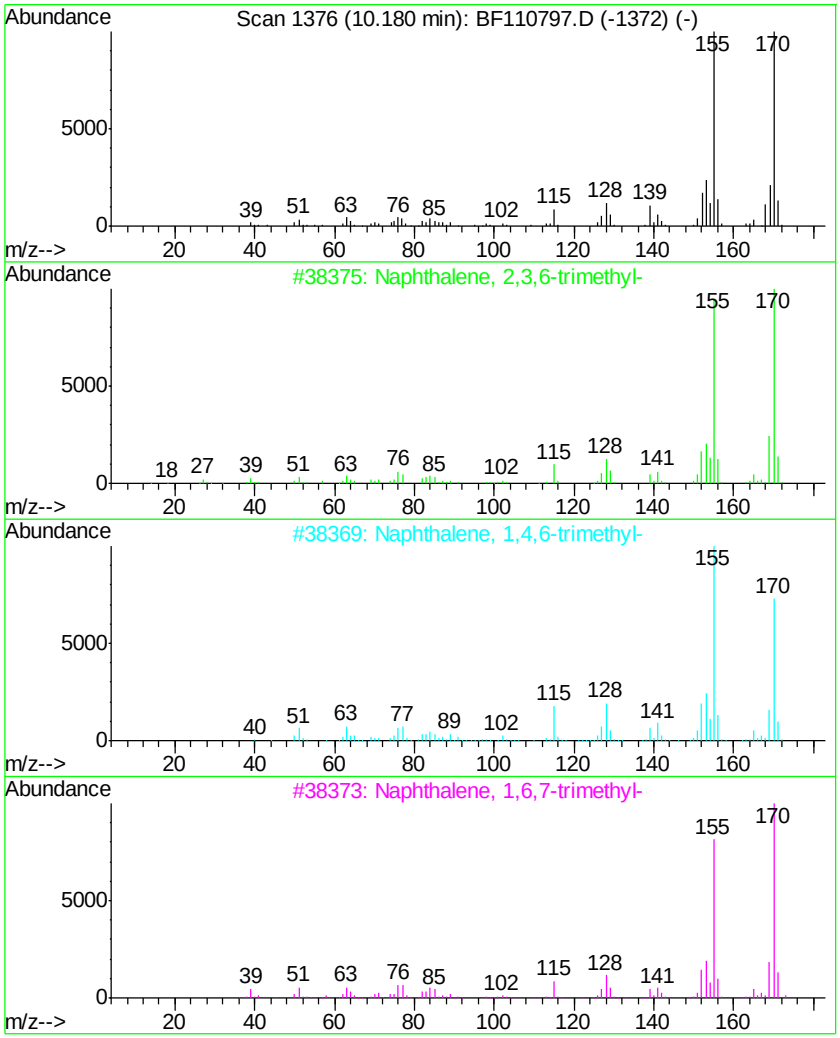
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

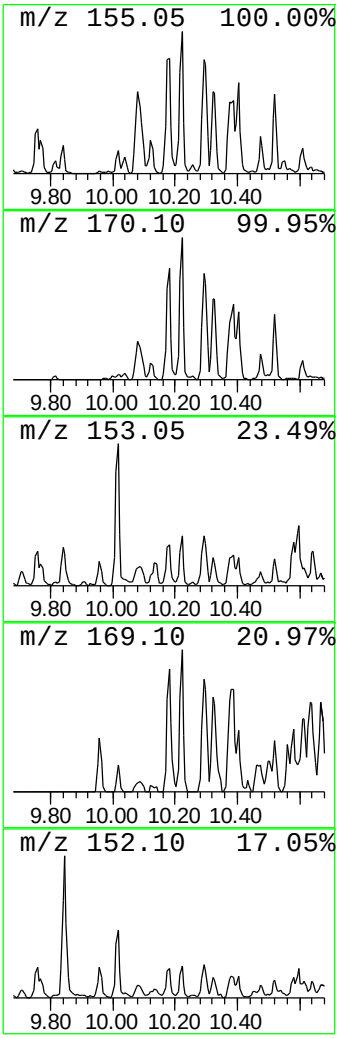
****

Peak Number 6 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.18	8.62 ng	216710	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111518\
Data File : BF110797.D
Acq On : 15 Nov 2018 19:17
Operator : JU/SJ
Sample : J5767-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111418-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

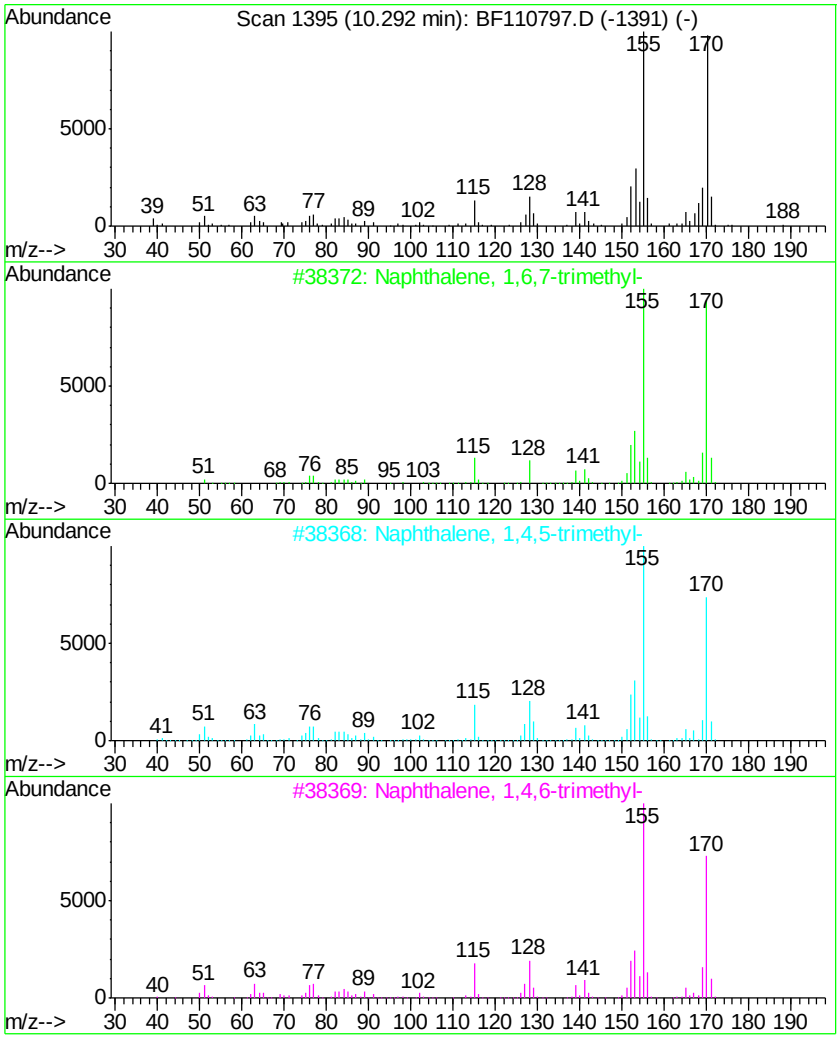
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

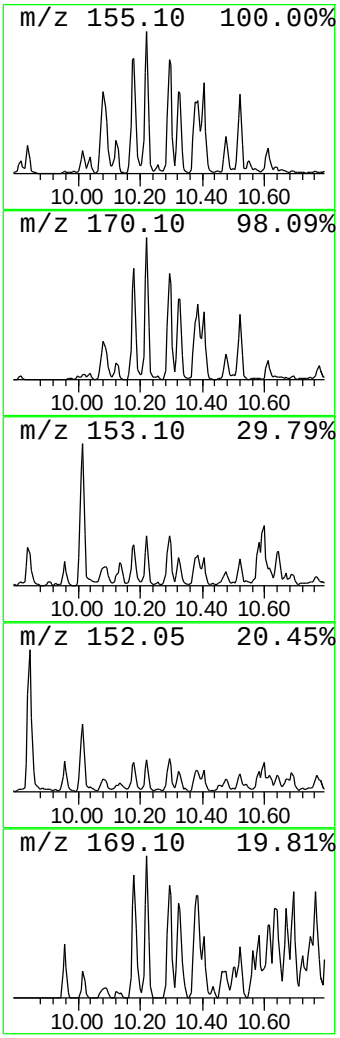
****

Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.29	8.84 ng	222138	Acenaphthene-d10	9.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91





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Acq On : 15 Nov 2018 19:17
Operator : JU/SJ
Sample : J5767-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111418-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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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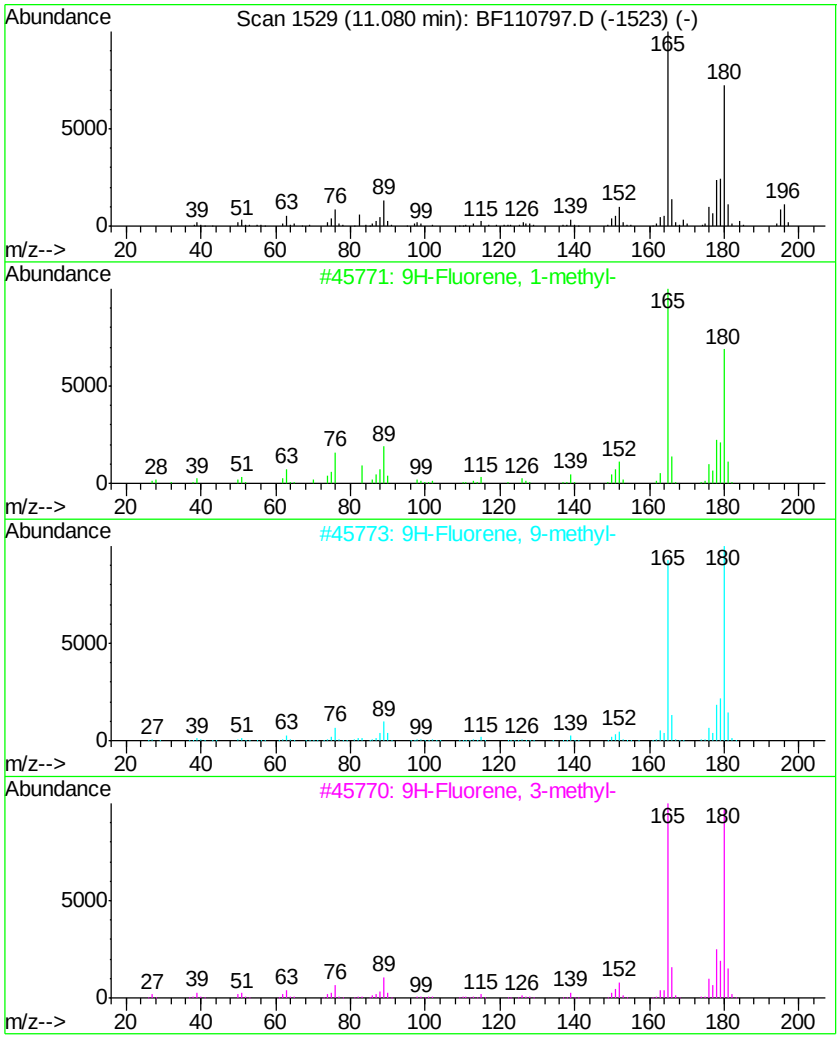
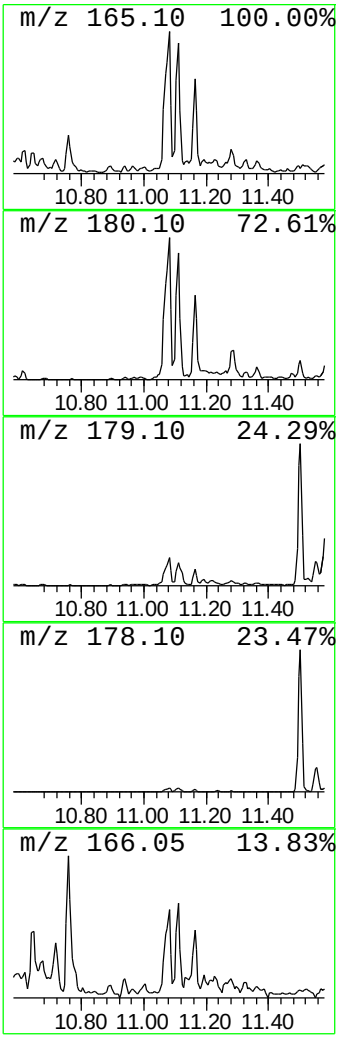
Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	15.77 ng	343905	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	80





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Sample : J5767-11 2X
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Instrument : BNA_F
ClientSampleId : CL-01-111418-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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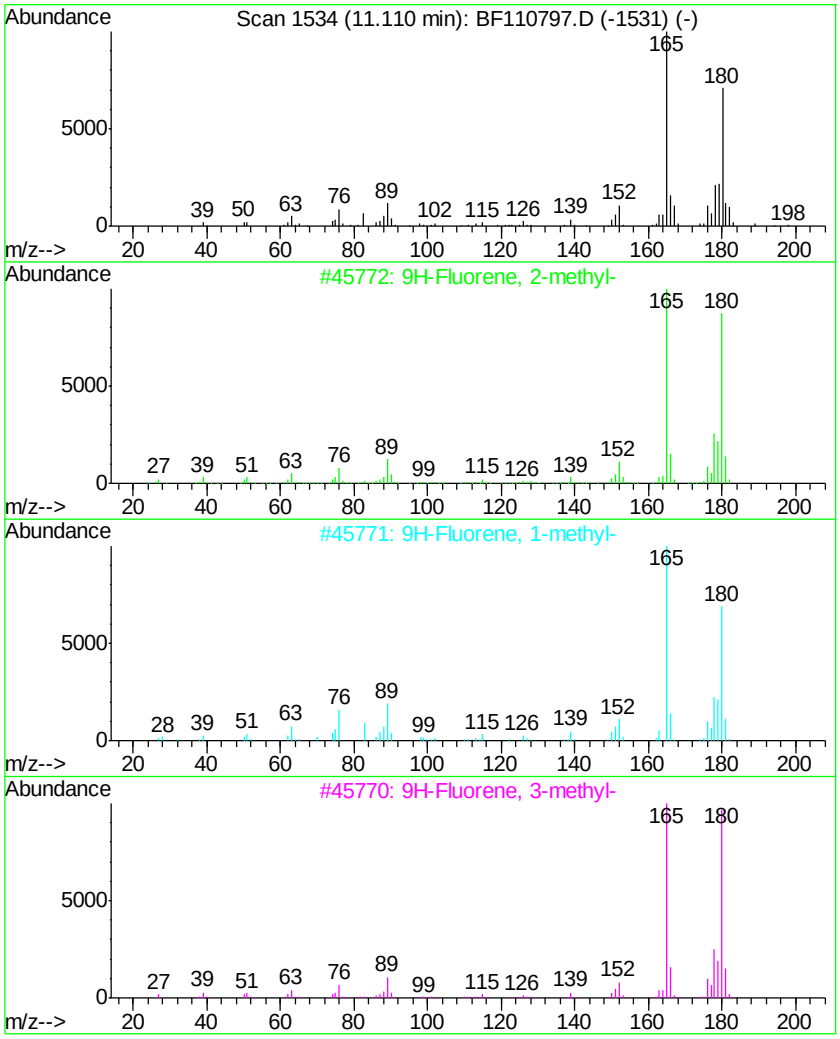
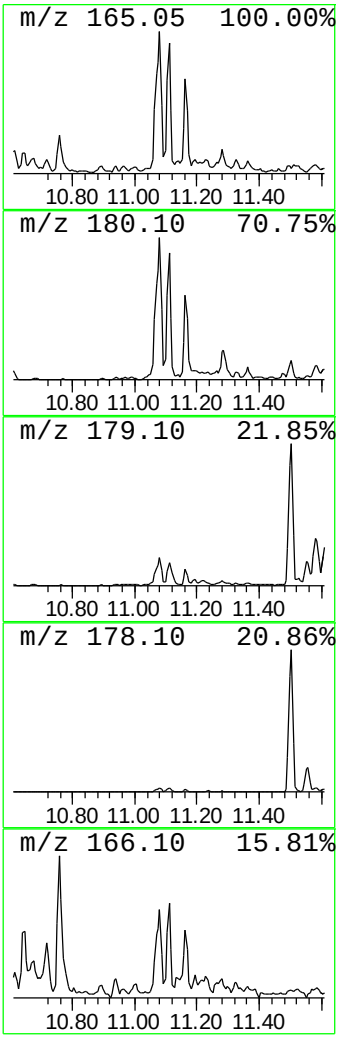
Peak Number 10 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	10.14 ng	221176	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	72





Library Search Compound Report

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Sample : J5767-11 2X
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ClientSampleId : CL-01-111418-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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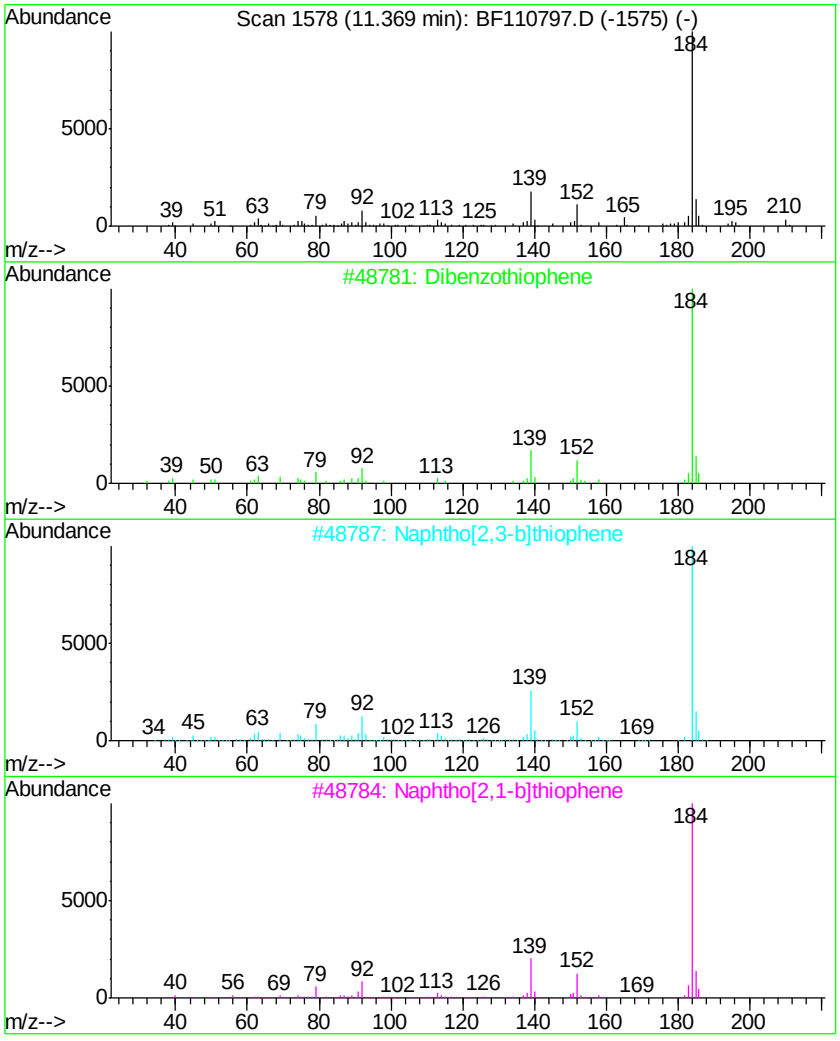
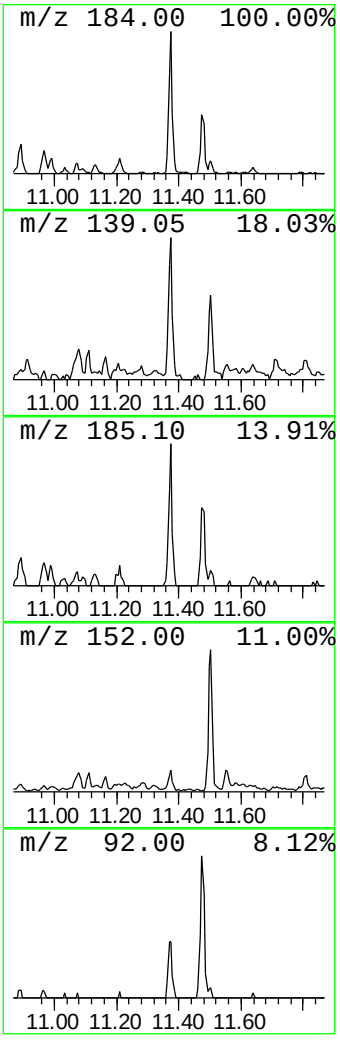
Peak Number 11 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	8.73 ng	190318	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87





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Operator : JU/SJ
Sample : J5767-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111418-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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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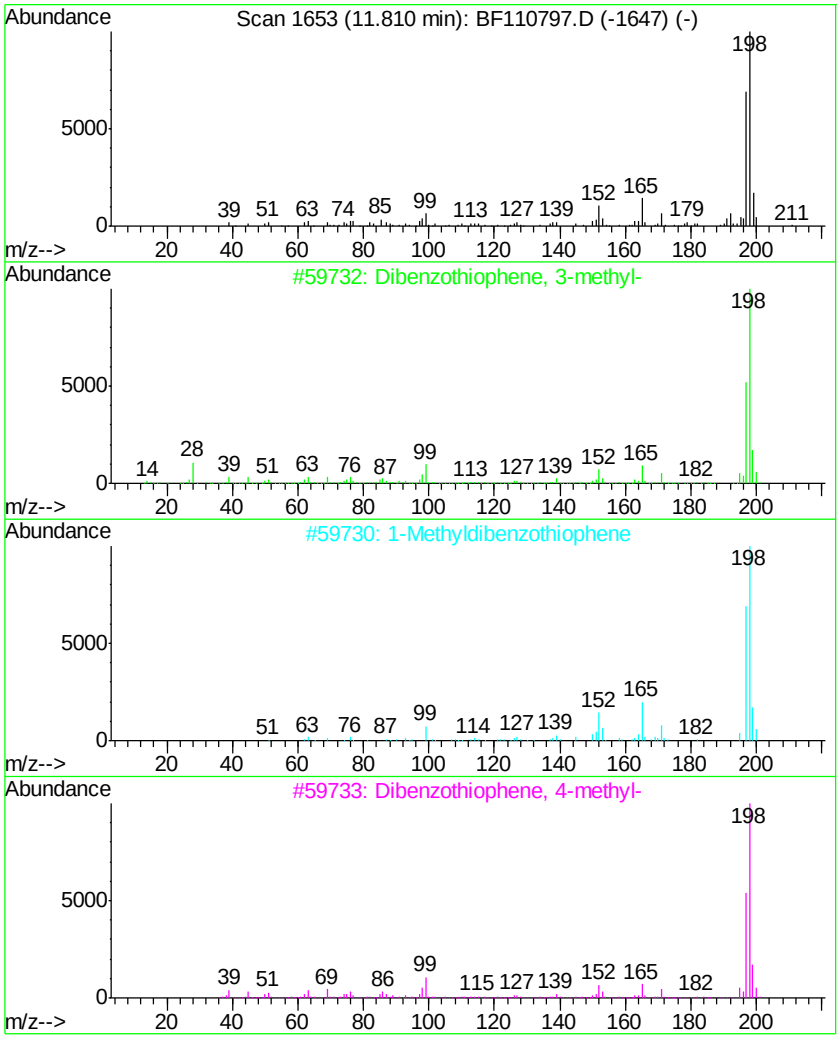
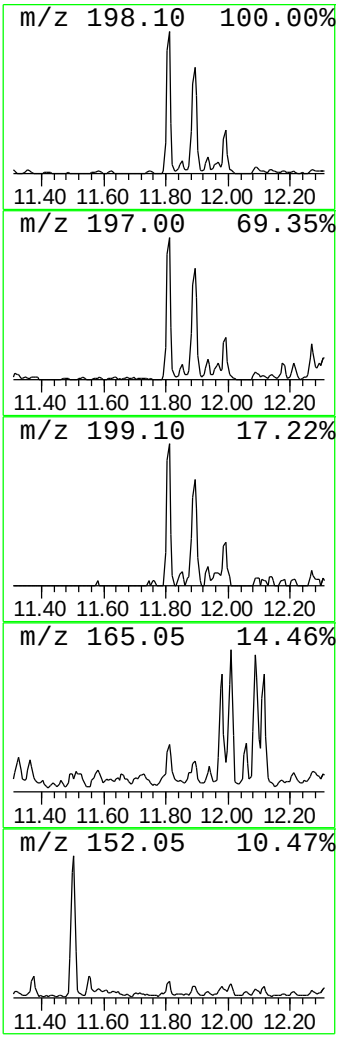
Peak Number 12 Dibenzothiophene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	8.26 ng	180092	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
4	4,6,8-Trimethyl-1-azulenecarbald...	198	C14H14O	000832-62-2	80
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





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Misc :
ALS Vial : 15 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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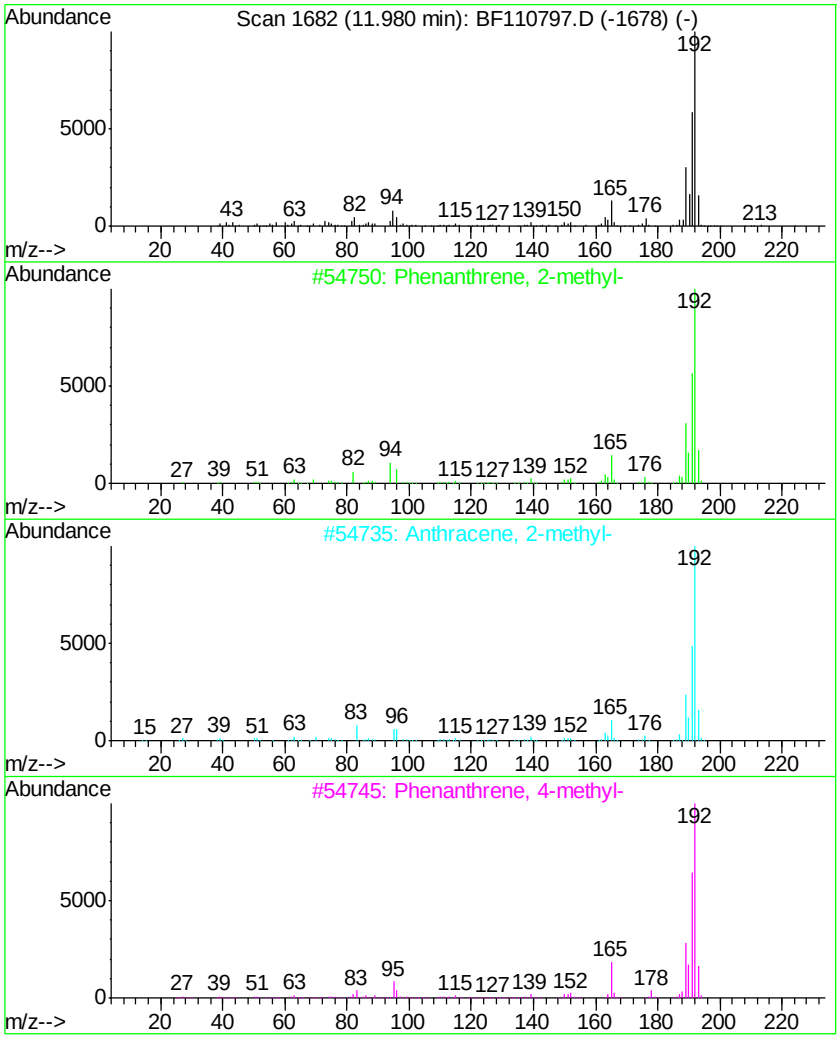
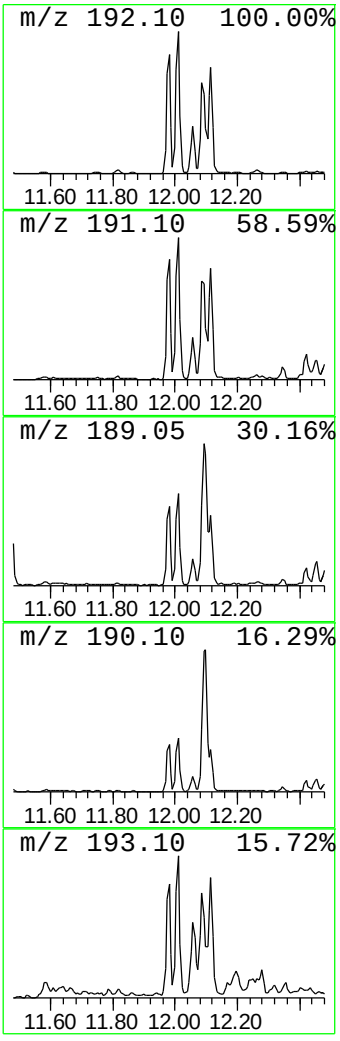
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	22.62 ng	493387	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Operator : JU/SJ
Sample : J5767-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111418-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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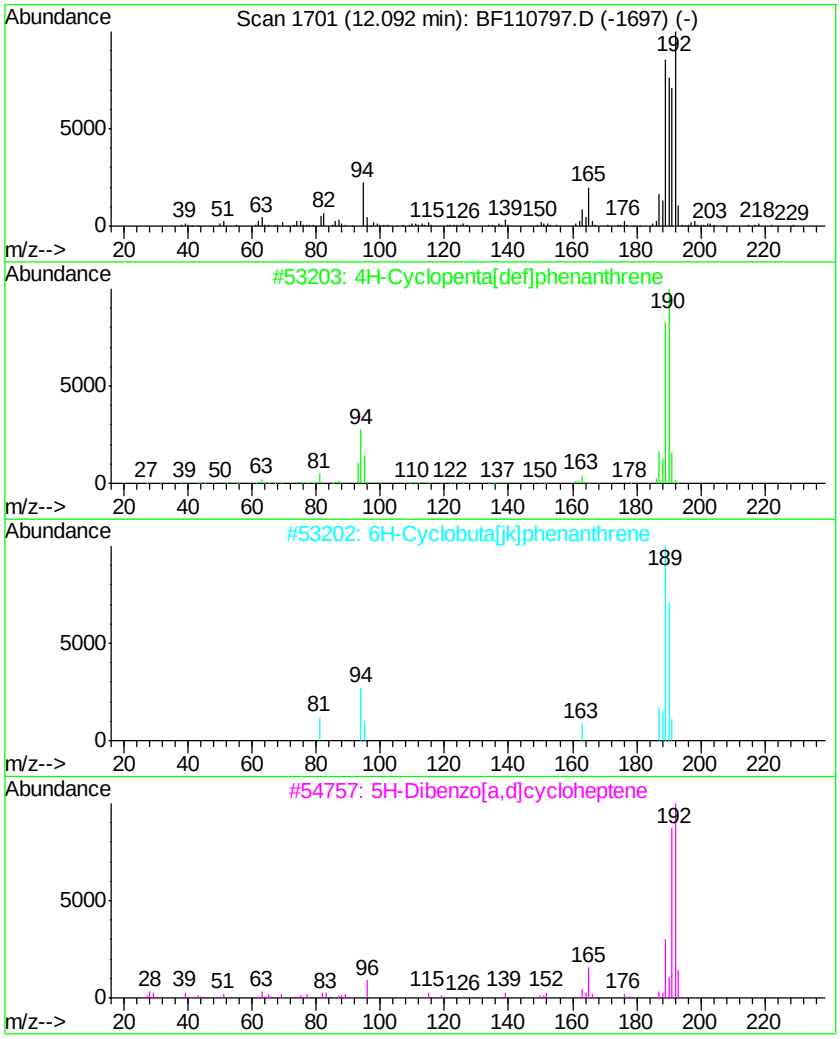
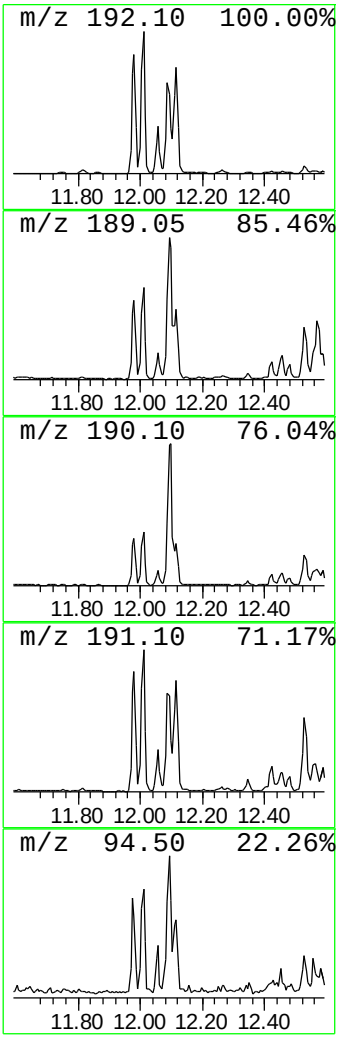
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	25.36 ng	553184	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	41
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





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Operator : JU/SJ
Sample : J5767-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111418-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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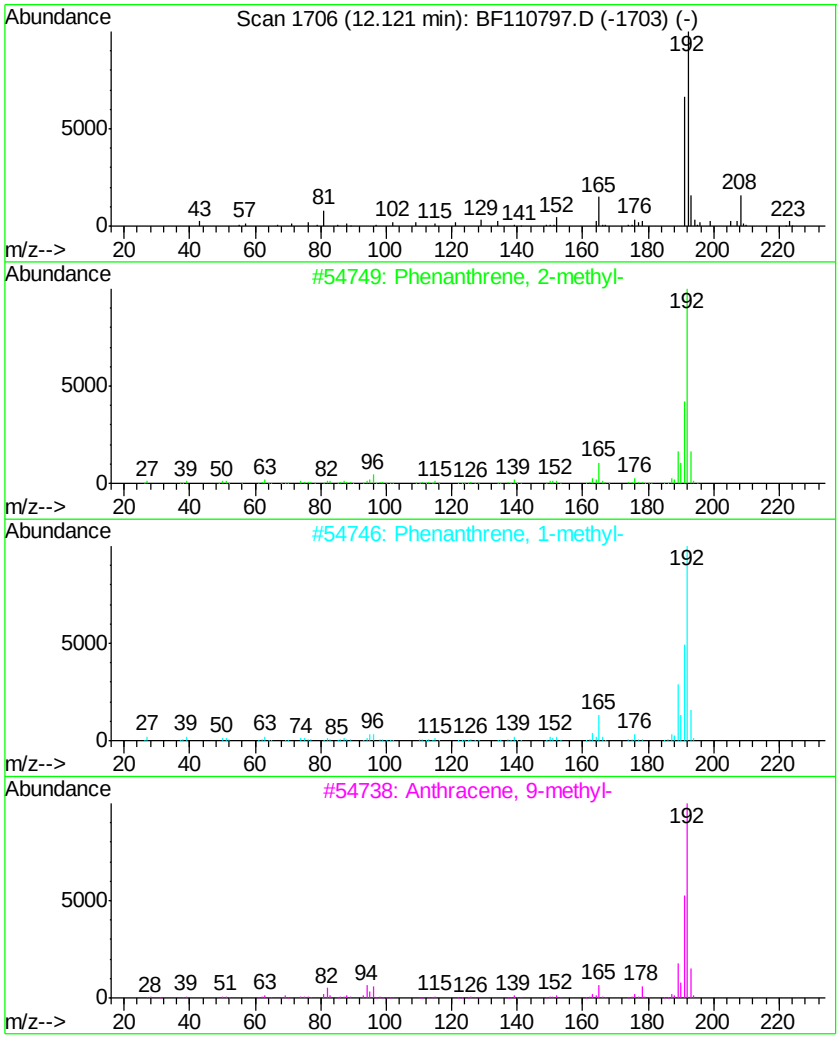
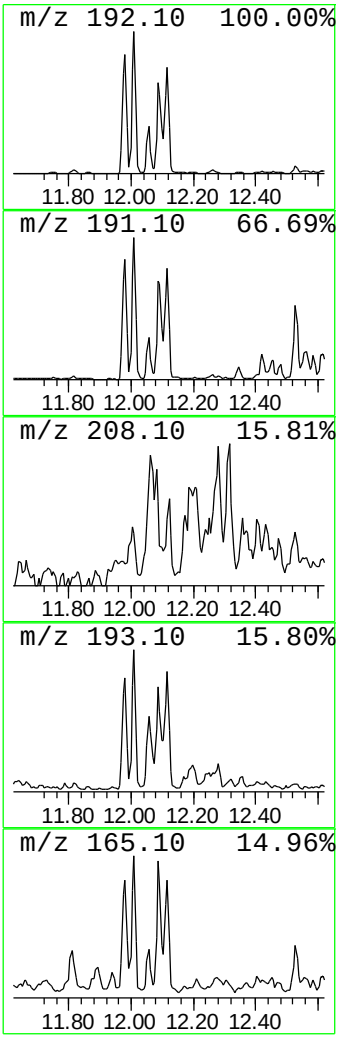
Peak Number 16 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	15.79 ng	344310	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





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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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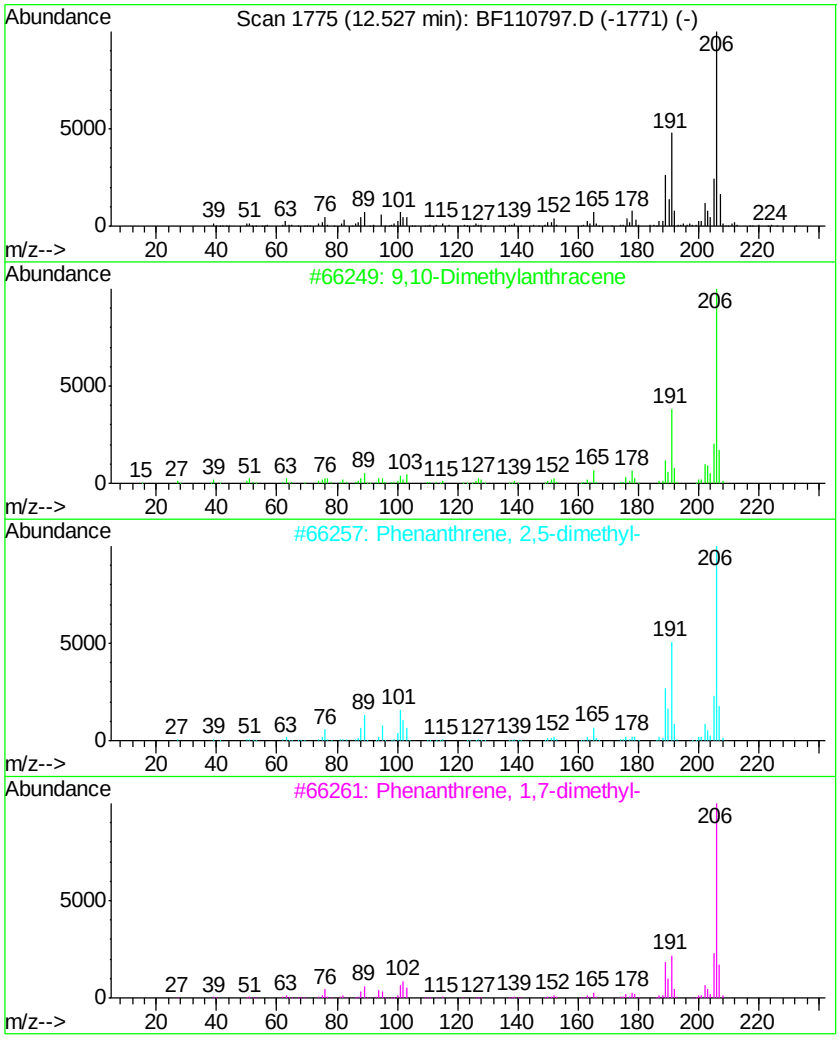
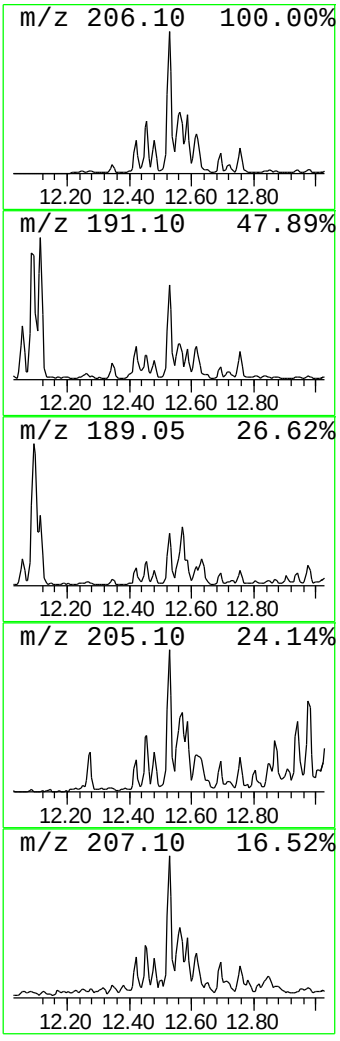
Peak Number 17 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	20.42 ng	445416	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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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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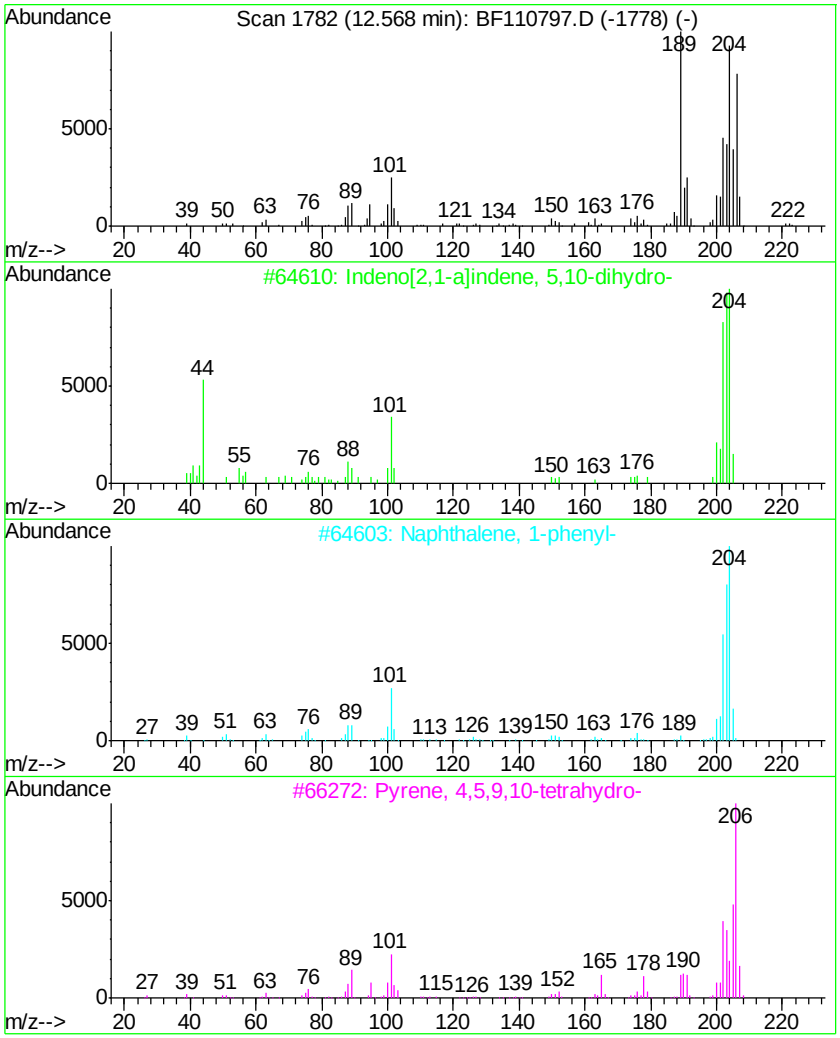
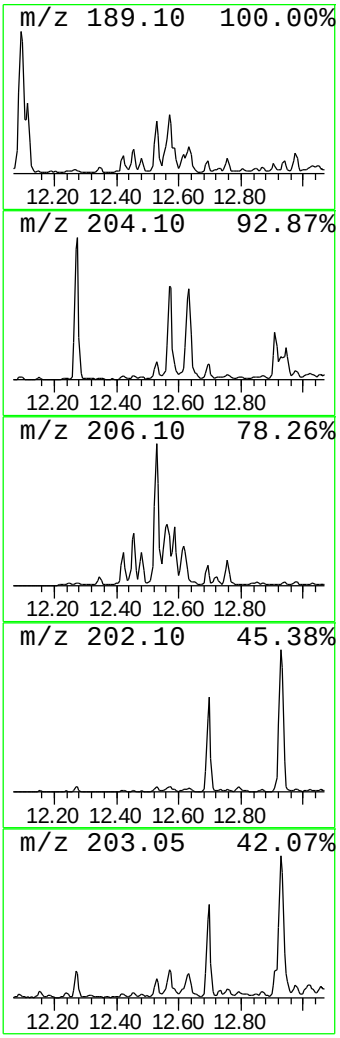
Peak Number 18 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	10.09 ng	220140	Phenanthrene-d10	11.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	45
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	44
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35





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Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-111418-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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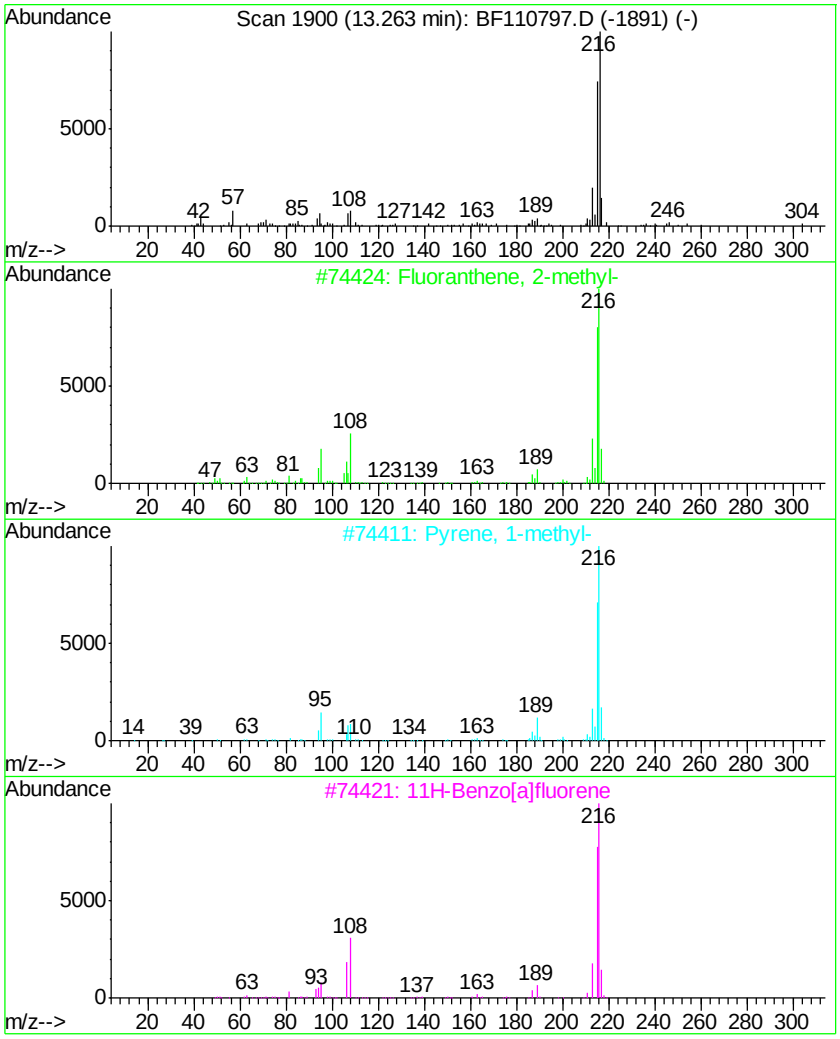
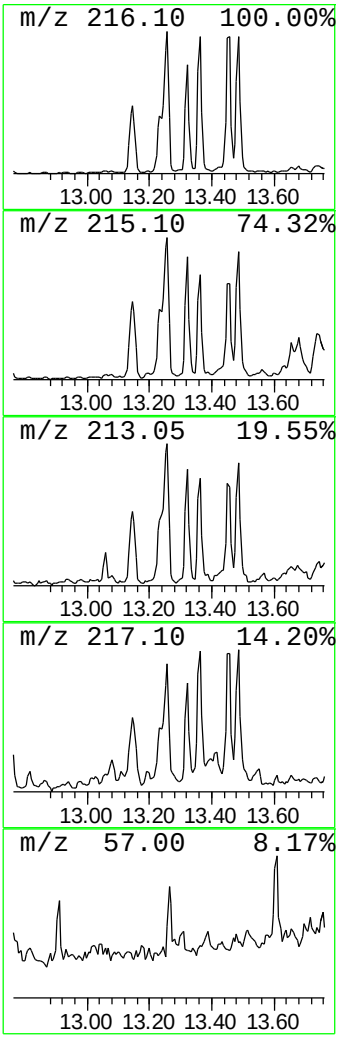
Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	9.52 ng	465719	Chrysene-d12	14.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





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Sample : J5767-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111418-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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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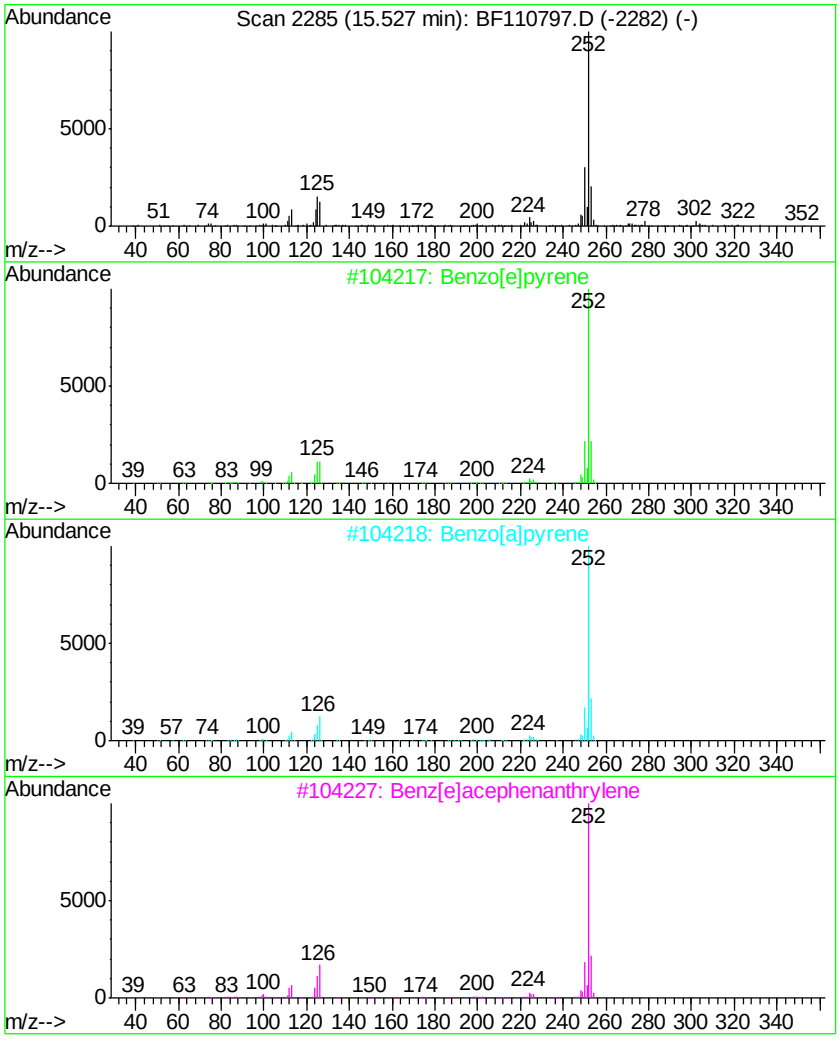
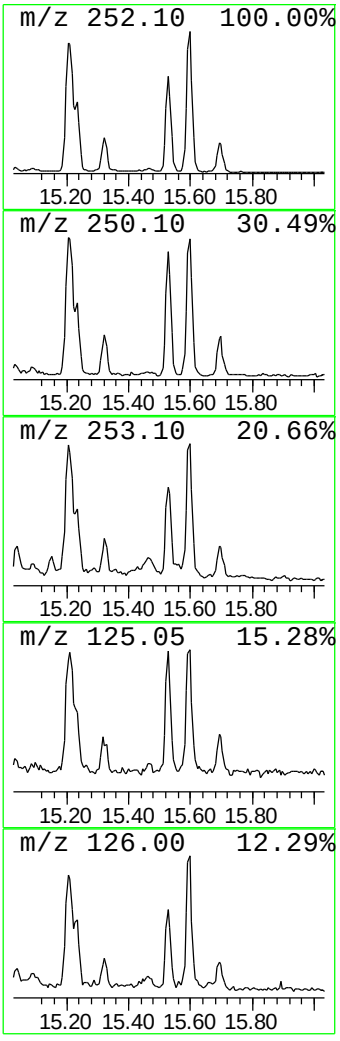
Peak Number 20 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	12.38 ng	179121	Perylene-d12	15.66

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	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Perylene	252	C20H12	000198-55-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111518\
Data File : BF110797.D
Acq On : 15 Nov 2018 19:17
Operator : JU/SJ
Sample : J5767-11 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-111418-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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
unknown6.70	6.70	38.4	ng	734176	1	6.94	382134	20.0
Naphthalene, 1,6-...	9.56	22.9	ng	575018	3	9.98	502568	20.0
Naphthalene, 2,3-...	9.76	10.6	ng	267251	3	9.98	502568	20.0
Naphthalene, 2,3,...	10.18	8.6	ng	216710	3	9.98	502568	20.0
Naphthalene, 1,6,...	10.29	8.8	ng	222138	3	9.98	502568	20.0
9H-Fluorene, 1-me...	11.08	15.8	ng	343905	4	11.47	436210	20.0
9H-Fluorene, 2-me...	11.11	10.1	ng	221176	4	11.47	436210	20.0
Dibenzothiophene	11.37	8.7	ng	190318	4	11.47	436210	20.0
Dibenzothiophene,...	11.81	8.3	ng	180092	4	11.47	436210	20.0
Phenanthrene, 2-m...	11.98	22.6	ng	493387	4	11.47	436210	20.0
4H-Cyclopenta[def...	12.09	25.4	ng	553184	4	11.47	436210	20.0
Phenanthrene, 1-m...	12.12	15.8	ng	344310	4	11.47	436210	20.0
9,10-Dimethylanth...	12.53	20.4	ng	445416	4	11.47	436210	20.0
unknown-01	12.57	10.1	ng	220140	4	11.47	436210	20.0
Fluoranthene, 2-m...	13.26	9.5	ng	465719	5	14.13	978399	20.0
Benzo[e]pyrene	15.53	12.4	ng	179121	6	15.66	289484	20.0