LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF082217\
Data File : BF097974.D
Acq On : 23 Aug 2017 00:52
Operator : SJ/JU
Sample : I4910-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5-6

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:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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	3.122	173	176	189	rBV	69321	139387	3.78%	0.323%
2	4.951	483	487	497	rVB	291204	421557	11.42%	0.975%
3	5.363	551	557	560	rBV	3247822	3474043	94.15%	8.038%
4	6.393	726	732	735	rBV	3153948	3689789	100.00%	8.537%
5	6.522	749	754	757	rBV	3351463	3444620	93.36%	7.970%
6	6.751	789	793	796	rBV	963596	850398	23.05%	1.968%
7	6.904	815	819	823	rBV	2796441	2724897	73.85%	6.305%
8	7.316	882	889	892	rBV	2357781	2309358	62.59%	5.343%
9	7.404	899	904	909	rVB	46498	54028	1.46%	0.125%
10	7.775	960	967	971	rBV5	23149	37695	1.02%	0.087%
11	8.034	1006	1011	1013	rBV	1233405	1195351	32.40%	2.766%
12	8.051	1013	1014	1018	rVB	782798	477441	12.94%	1.105%
13	8.739	1128	1131	1135	rVB	318129	275707	7.47%	0.638%
14	8.839	1143	1148	1152	rVB	289705	238143	6.45%	0.551%
15	9.110	1188	1194	1197	rBV	3753145	3523590	95.50%	8.153%
16	9.204	1203	1210	1213	rBV2	87071	98378	2.67%	0.228%
17	9.298	1224	1226	1233	rVB	42348	48066	1.30%	0.111%
18	9.369	1234	1238	1242	rBV2	94240	125583	3.40%	0.291%
19	9.439	1246	1250	1253	rBV	142249	148494	4.02%	0.344%
20	9.469	1253	1255	1257	rVV	102031	78781	2.14%	0.182%
21	9.504	1257	1261	1265	rVV	617483	566043	15.34%	1.310%
22	9.557	1265	1270	1275	rVB2	66526	80636	2.19%	0.187%
23	9.645	1281	1285	1289	rBV	173509	175710	4.76%	0.407%
24	9.722	1296	1298	1302	rVB	62722	45950	1.25%	0.106%
25	9.781	1302	1308	1311	rBV	1085388	1070342	29.01%	2.476%
26	9.816	1311	1314	1318	rVV	218351	196703	5.33%	0.455%
27	9.881	1322	1325	1330	rVB4	36806	62380	1.69%	0.144%
28	9.986	1339	1343	1346	rVB	231754	186283	5.05%	0.431%
29	10.098	1357	1362	1365	rBV3	37967	46757	1.27%	0.108%
30	10.192	1374	1378	1379	rBV3	48803	53428	1.45%	0.124%
31	10.222	1380	1383	1388	rVB2	96234	94393	2.56%	0.218%
32	10.328	1398	1401	1407	rVB	271708	227185	6.16%	0.526%
33	10.439	1417	1420	1422	rVV	51932	45660	1.24%	0.106%
34	10.486	1425	1428	1432	rVB2	43093	40912	1.11%	0.095%

LSC Area Percent Report

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Data File : BF097974.D
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Operator : SJ/JU
Sample : I4910-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5-6

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:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.569	1437	1442	1446	rBV	1727958	1684984	45.67%	3.899%
36	10.692	1460	1463	1471	rVB	186291	209005	5.66%	0.484%
37	10.875	1489	1494	1497	rBV2	50808	73559	1.99%	0.170%
38	11.139	1537	1539	1541	rBV	106476	85572	2.32%	0.198%
39	11.163	1541	1543	1551	rVB2	100145	113984	3.09%	0.264%
40	11.263	1556	1560	1562	rBV	978280	869729	23.57%	2.012%
41	11.286	1562	1564	1567	rVV	849720	664729	18.02%	1.538%
42	11.339	1567	1573	1576	rVB	310620	263348	7.14%	0.609%
43	11.375	1576	1579	1582	rBV	36544	40071	1.09%	0.093%
44	11.492	1596	1599	1602	rBV	94184	81943	2.22%	0.190%
45	11.563	1608	1611	1614	rBV	84492	70008	1.90%	0.162%
46	11.592	1614	1616	1619	rVB	51054	39975	1.08%	0.092%
47	11.675	1628	1630	1635	rVB	32766	37763	1.02%	0.087%
48	11.763	1642	1645	1648	rBV	125014	112618	3.05%	0.261%
49	11.792	1648	1650	1654	rVB	172539	140365	3.80%	0.325%
50	11.839	1654	1658	1660	rBV	76089	69311	1.88%	0.160%
51	11.875	1660	1664	1667	rBV	252102	272647	7.39%	0.631%
52	11.898	1667	1668	1674	rVB	104534	61235	1.66%	0.142%
53	11.969	1678	1680	1683	rBV2	44911	40572	1.10%	0.094%
54	12.057	1693	1695	1697	rBV	63691	54956	1.49%	0.127%
55	12.080	1697	1699	1703	rVB2	35575	43249	1.17%	0.100%
56	12.239	1723	1726	1728	rBV	49354	40665	1.10%	0.094%
57	12.316	1735	1739	1741	rBV	131010	138230	3.75%	0.320%
58	12.351	1741	1745	1750	rVB3	98043	163168	4.42%	0.378%
59	12.398	1750	1753	1757	rBV3	70866	92693	2.51%	0.214%
60	12.475	1762	1766	1769	rBV	864533	745275	20.20%	1.724%
61	12.522	1769	1774	1779	rBV5	38238	60867	1.65%	0.141%
62	12.569	1779	1782	1784	rVB	46797	42651	1.16%	0.099%
63	12.622	1789	1791	1795	rBV3	42102	43267	1.17%	0.100%
64	12.704	1799	1805	1807	rBV	925092	954290	25.86%	2.208%
65	12.722	1807	1808	1811	rVV2	51694	45050	1.22%	0.104%
66	12.757	1811	1814	1818	rVB3	80473	107428	2.91%	0.249%
67	12.822	1821	1825	1826	rBV2	52239	50117	1.36%	0.116%
68	12.851	1826	1830	1833	rVV	2534532	2417438	65.52%	5.593%
69	12.916	1837	1841	1845	rBV3	98327	144994	3.93%	0.335%
70	13.027	1853	1860	1863	rVB	187972	301724	8.18%	0.698%
71	13.069	1863	1867	1869	rBV4	31616	50798	1.38%	0.118%

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Sample : I4910-02
Misc :
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Instrument : BNA_F
ClientSampleId : SP-5-6

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.098	1869	1872	1874	rVB	129135	121162	3.28%	0.280%
73	13.133	1874	1878	1881	rBV2	170741	162615	4.41%	0.376%
74	13.222	1891	1893	1896	rVB	111474	101002	2.74%	0.234%
75	13.257	1896	1899	1902	rBV2	124265	105074	2.85%	0.243%
76	13.416	1921	1926	1927	rBV4	40852	64738	1.75%	0.150%
77	13.645	1960	1965	1968	rBV2	117242	172996	4.69%	0.400%
78	13.674	1968	1970	1972	rVV	88343	74841	2.03%	0.173%
79	13.698	1972	1974	1978	rVV2	73280	91507	2.48%	0.212%
80	13.751	1979	1983	1988	rVB2	250681	259616	7.04%	0.601%
81	13.898	2003	2008	2010	rBV2	1008953	1321470	35.81%	3.058%
82	13.921	2010	2012	2015	rVB	420365	334178	9.06%	0.773%
83	13.980	2020	2022	2024	rBV	47739	49839	1.35%	0.115%
84	14.004	2024	2026	2030	rVB	93255	72750	1.97%	0.168%
85	14.151	2049	2051	2054	rVB2	47833	39734	1.08%	0.092%
86	14.286	2071	2074	2076	rVV	147839	148612	4.03%	0.344%
87	14.316	2077	2079	2082	rVB	83220	73903	2.00%	0.171%
88	14.380	2087	2090	2092	rVB3	78748	75308	2.04%	0.174%
89	14.404	2092	2094	2096	rBV2	70446	61726	1.67%	0.143%
90	14.916	2177	2181	2188	rBV	484502	863948	23.41%	1.999%
91	15.204	2226	2230	2235	rVB	289974	353918	9.59%	0.819%
92	15.263	2236	2240	2246	rVV	450378	525813	14.25%	1.217%
93	15.321	2246	2250	2253	rVV	565262	702402	19.04%	1.625%
94	15.351	2253	2255	2261	rVB3	161280	222539	6.03%	0.515%
95	16.698	2480	2484	2491	rVB2	155253	294304	7.98%	0.681%
96	17.115	2551	2555	2563	rVB	126896	250143	6.78%	0.579%

Sum of corrected areas: 43220104

LSC Report - Integrated Chromatogram

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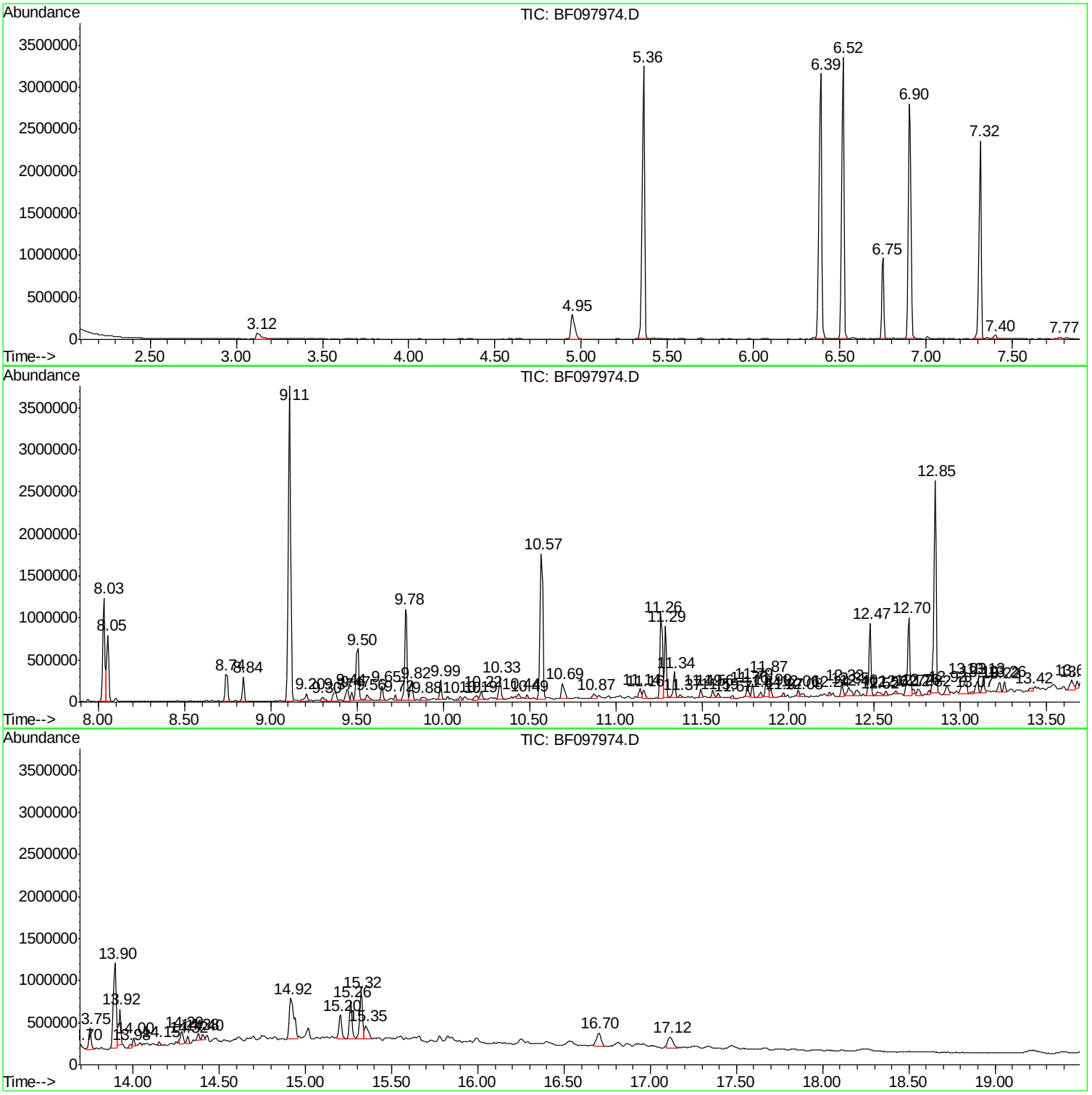
Data File : BF097974.D
Acq On : 23 Aug 2017 00:52
Operator : SJ/JU
Sample : I4910-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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 : U:\HPCHEM1\BNA F\DATA\BF082217\
Data File : BF097974.D
Acq On : 23 Aug 2017 00:52
Operator : SJ/JU
Sample : I4910-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

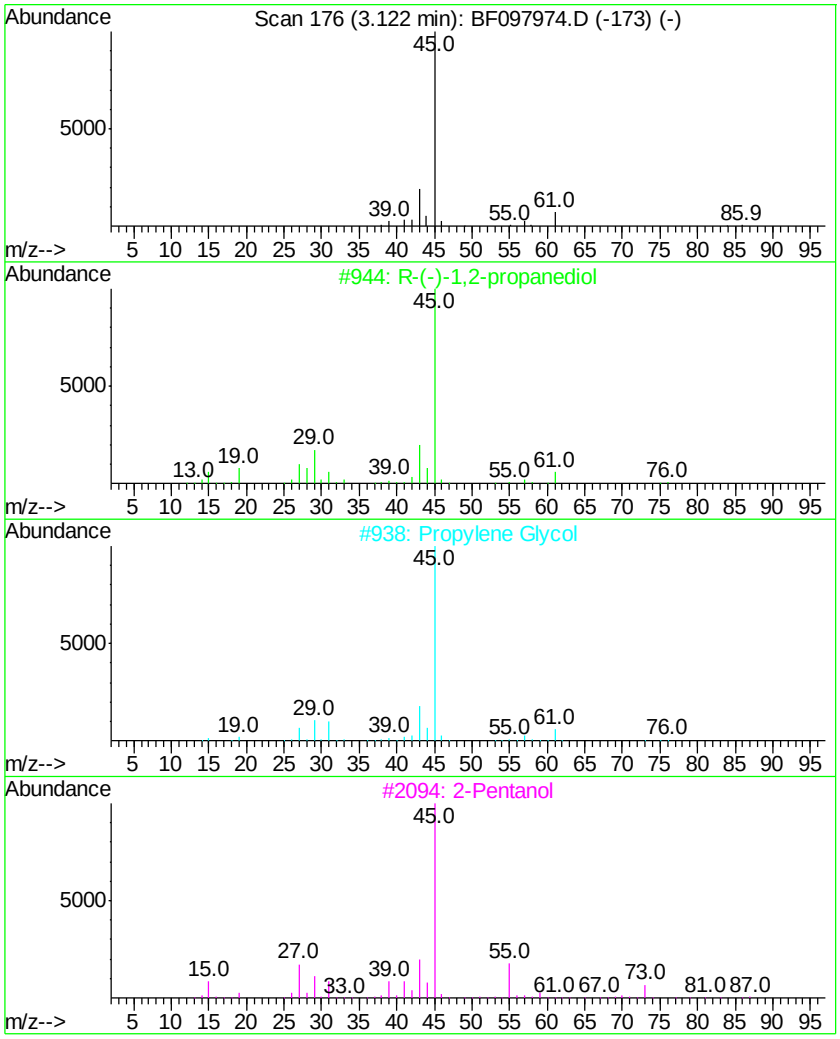
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

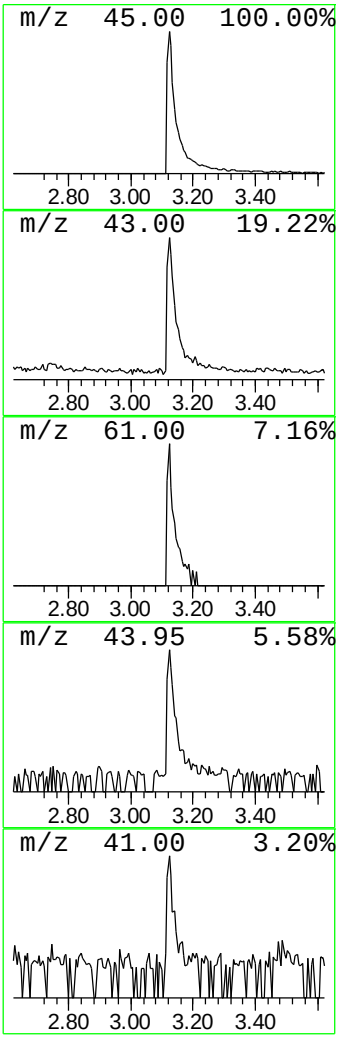
****

Peak Number 1 unknown3.12 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.12	3.28 ng	139387	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	43
2	Propylene Glycol	76	C3H8O2	000057-55-6	9
3	2-Pentanol	88	C5H12O	006032-29-7	9
4	Formamide	45	CH3NO	000075-12-7	7
5	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	4





Data Path : U:\HPCHEM1\BNA F\DATA\BF082217\
Data File : BF097974.D
Acq On : 23 Aug 2017 00:52
Operator : SJ/JU
Sample : I4910-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

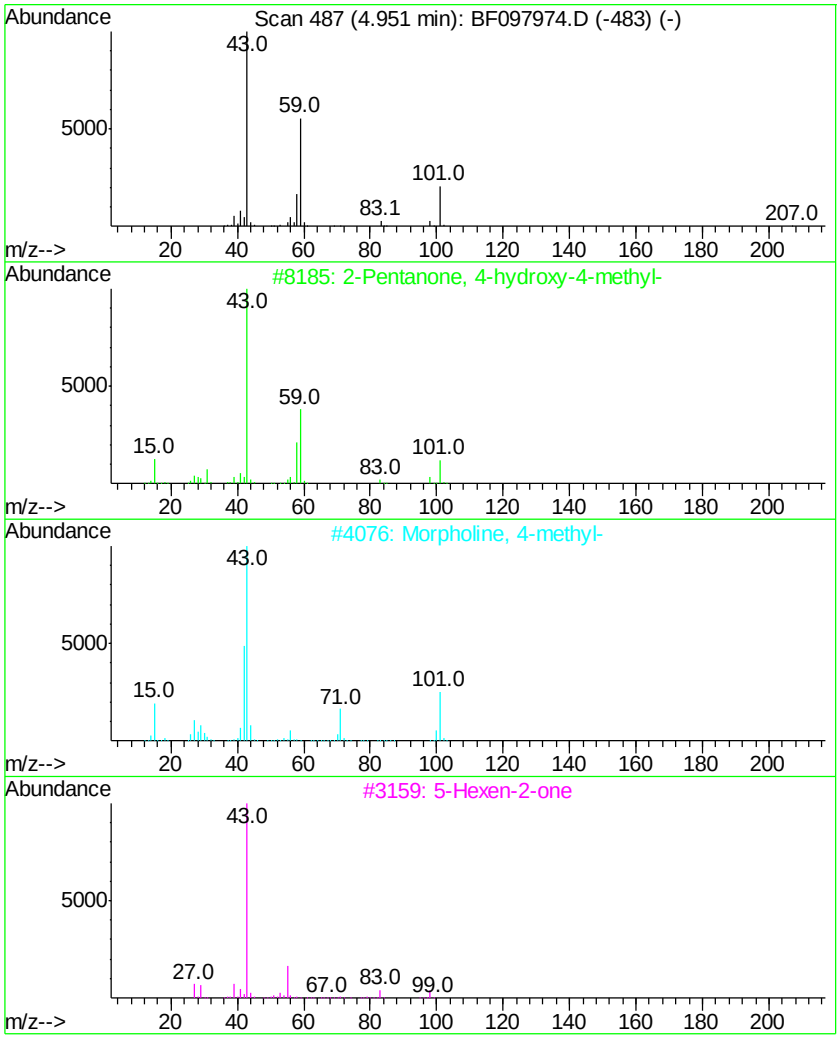
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

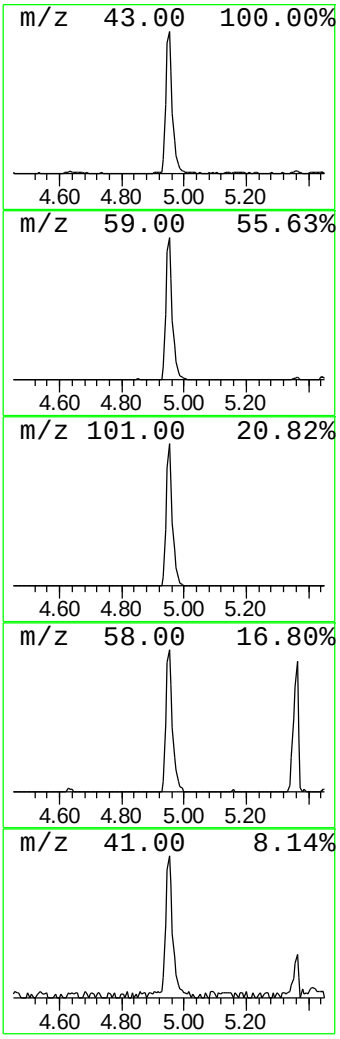
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	9.91 ng	421557	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Butane	58	C4H10	000106-97-8	9
5	Allyl acetate	100	C5H8O2	000591-87-7	9





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Instrument : BNA_F
ClientSampleId : SP-5-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

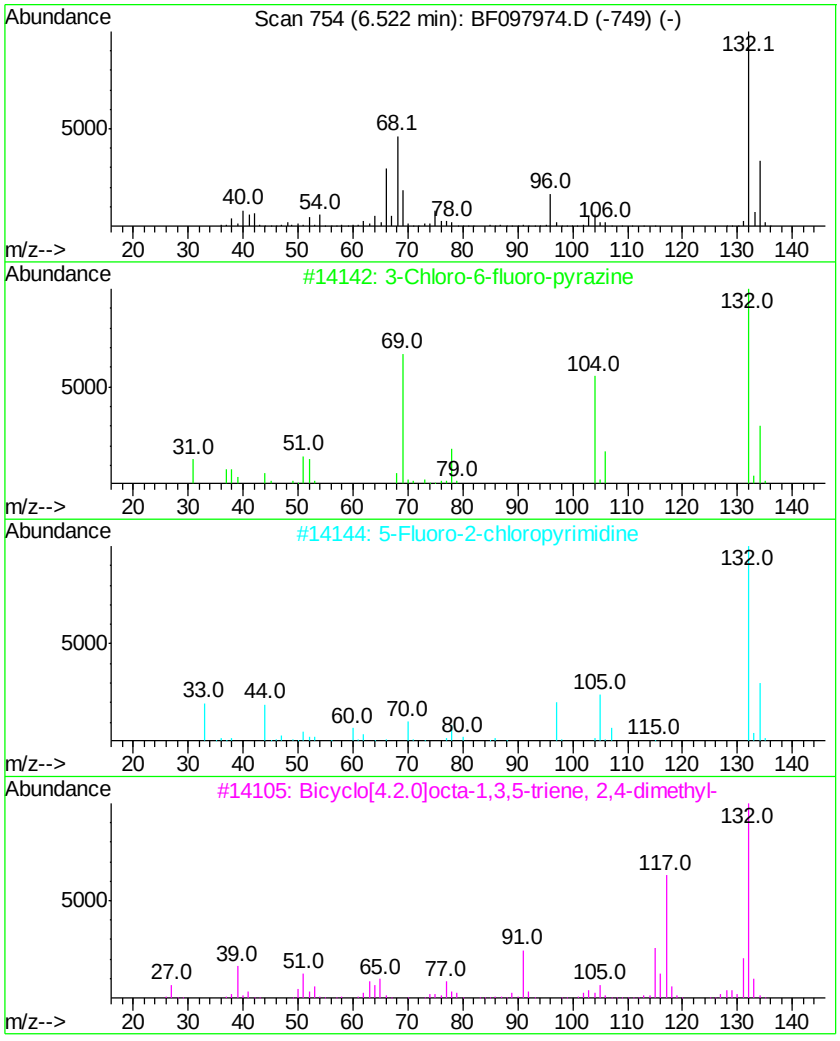
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

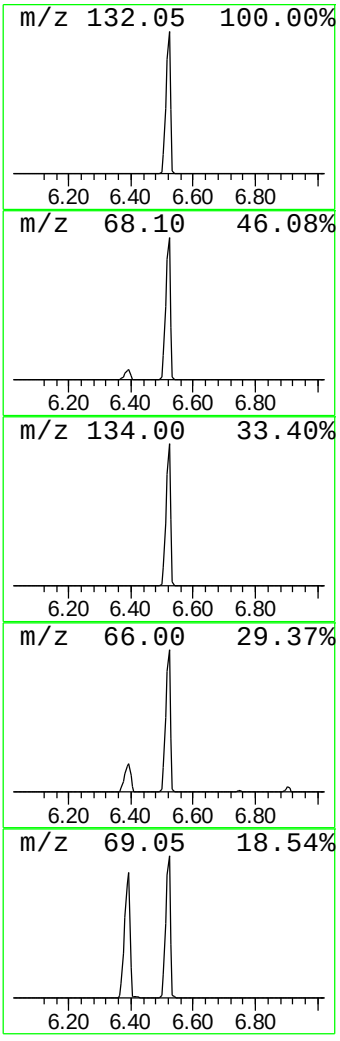
****

Peak Number 3 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	81.01 ng	3444620	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9





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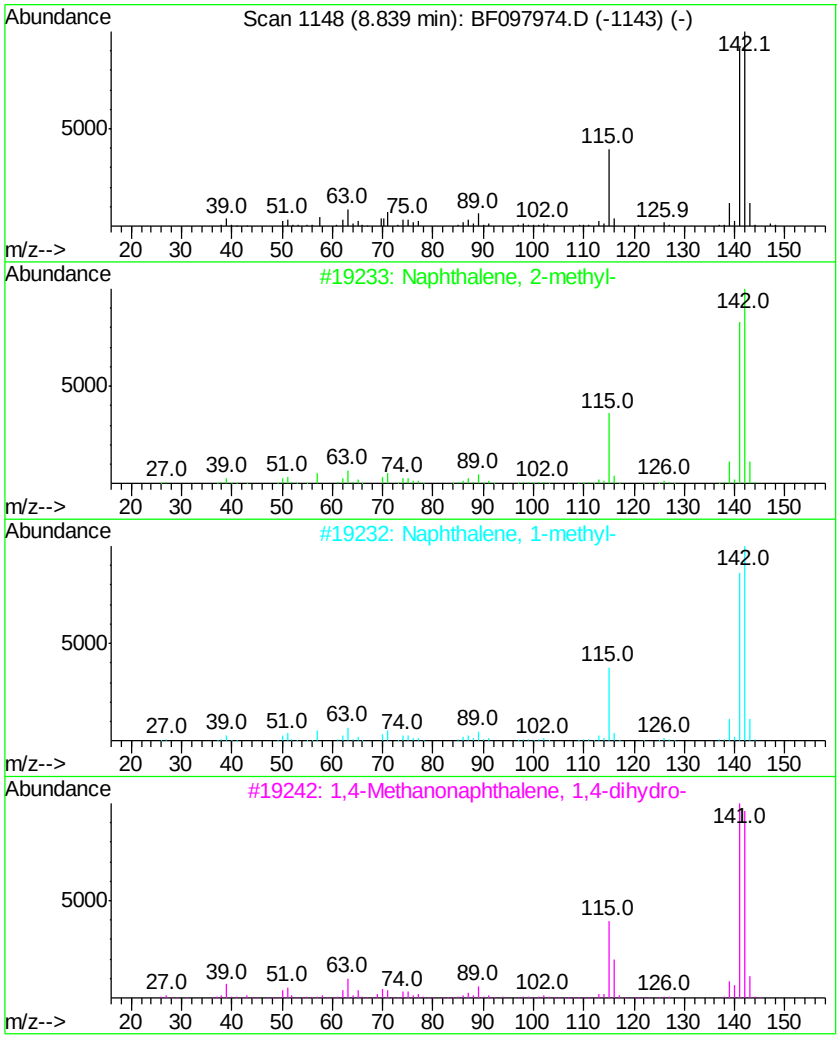
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

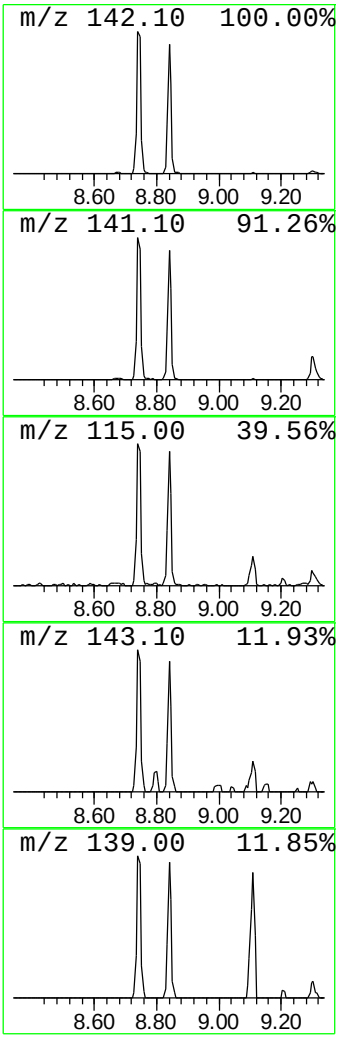
****

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	3.98 ng	238143	Naphthalene-d8	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





Library Search Compound Report

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Acq On : 23 Aug 2017 00:52
Operator : SJ/JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

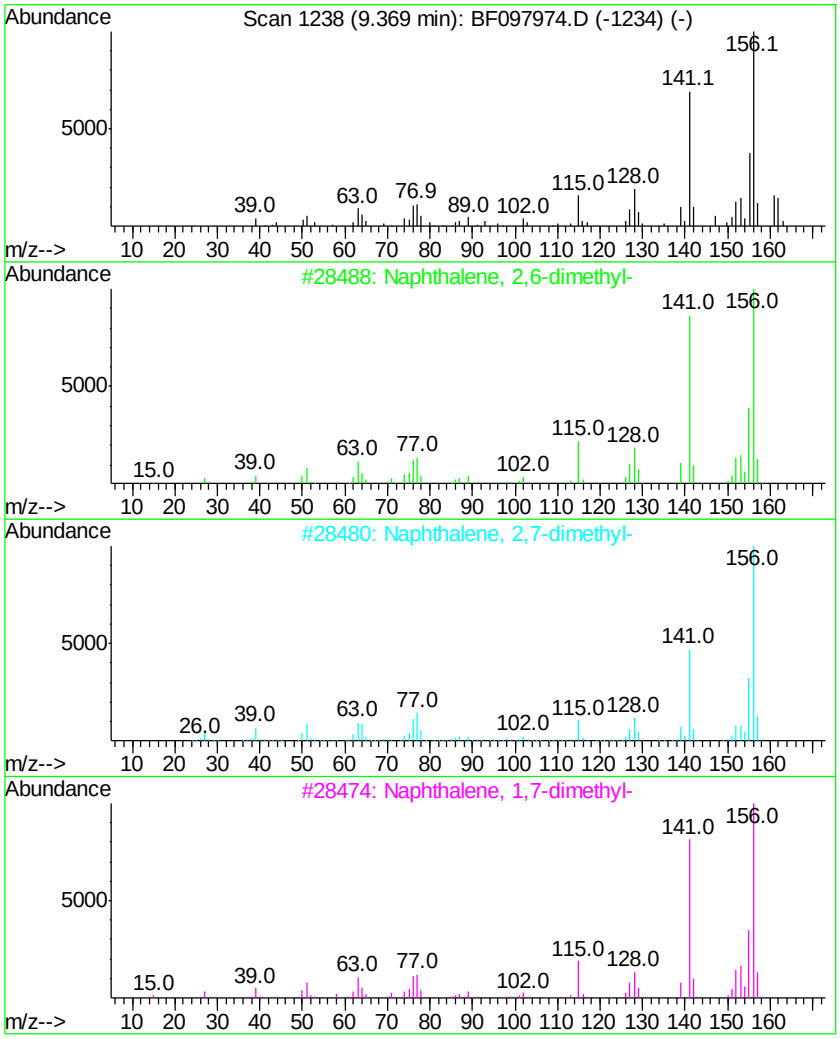
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

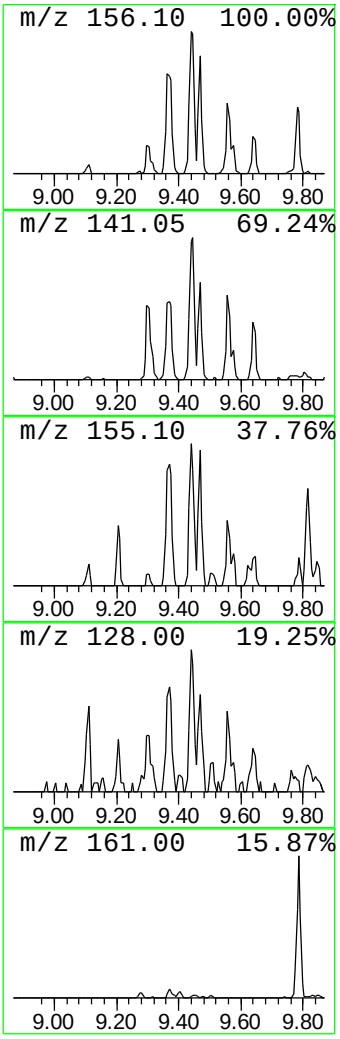
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	2.35 ng	125583	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





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Data File : BF097974.D
Acq On : 23 Aug 2017 00:52
Operator : SJ/JU
Sample : I4910-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5-6

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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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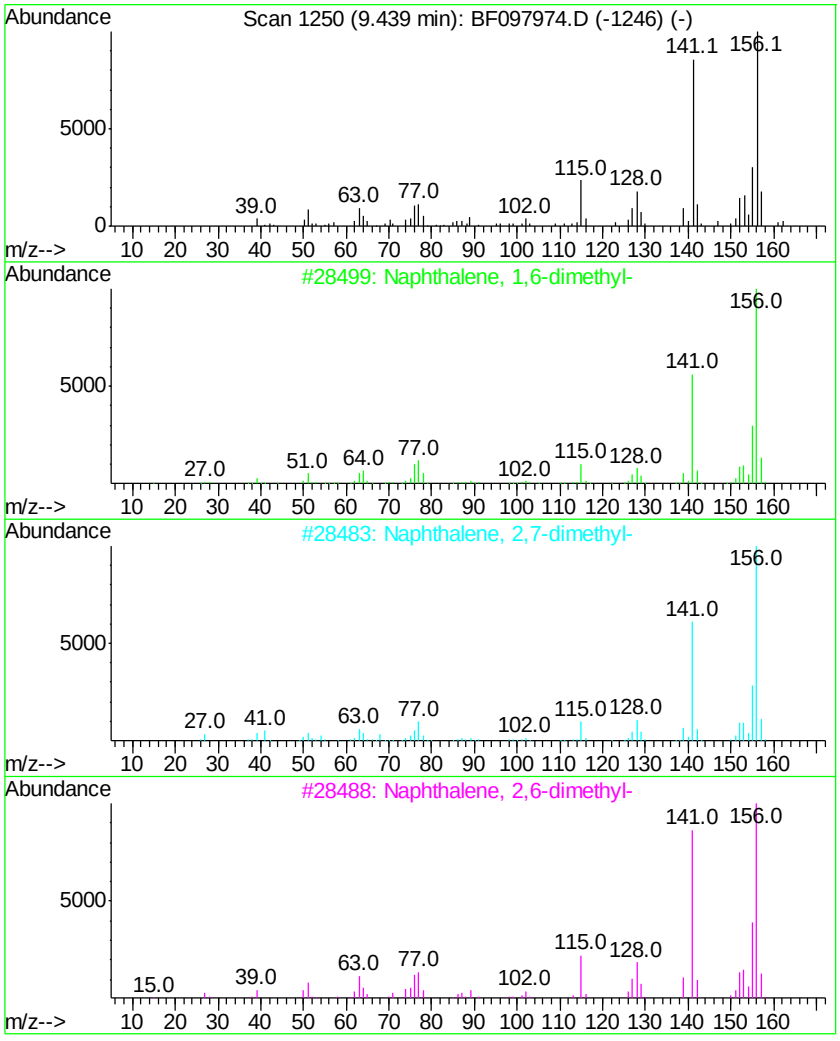
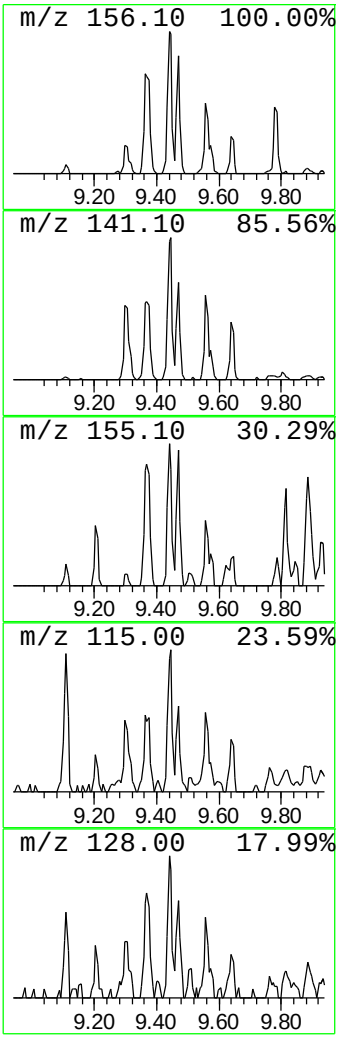
Peak Number 7 Naphthalene, 1,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	2.77 ng	148494	Acenaphthene-d10	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





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Sample : I4910-02
Misc :
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ClientSampleId : SP-5-6

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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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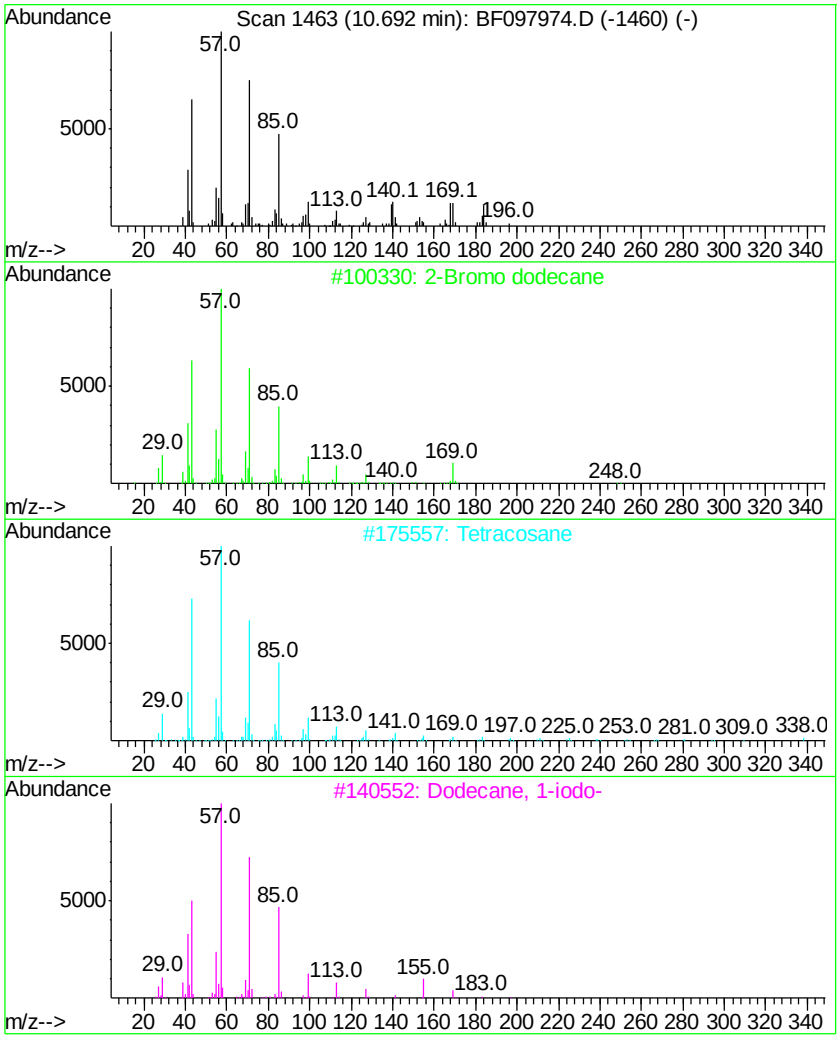
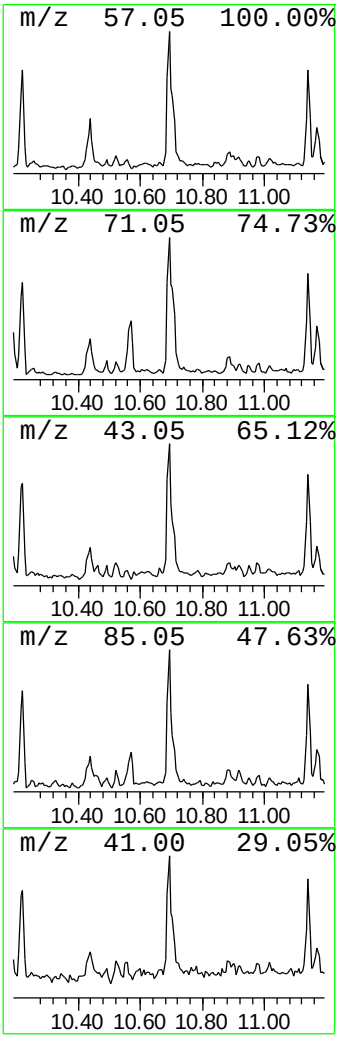
Peak Number 8 2-Bromo dodecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	4.81 ng	209005	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	72
2	Tetracosane	338	C24H50	000646-31-1	68
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	68
4	Heptadecane	240	C17H36	000629-78-7	68
5	Heneicosane	296	C21H44	000629-94-7	68





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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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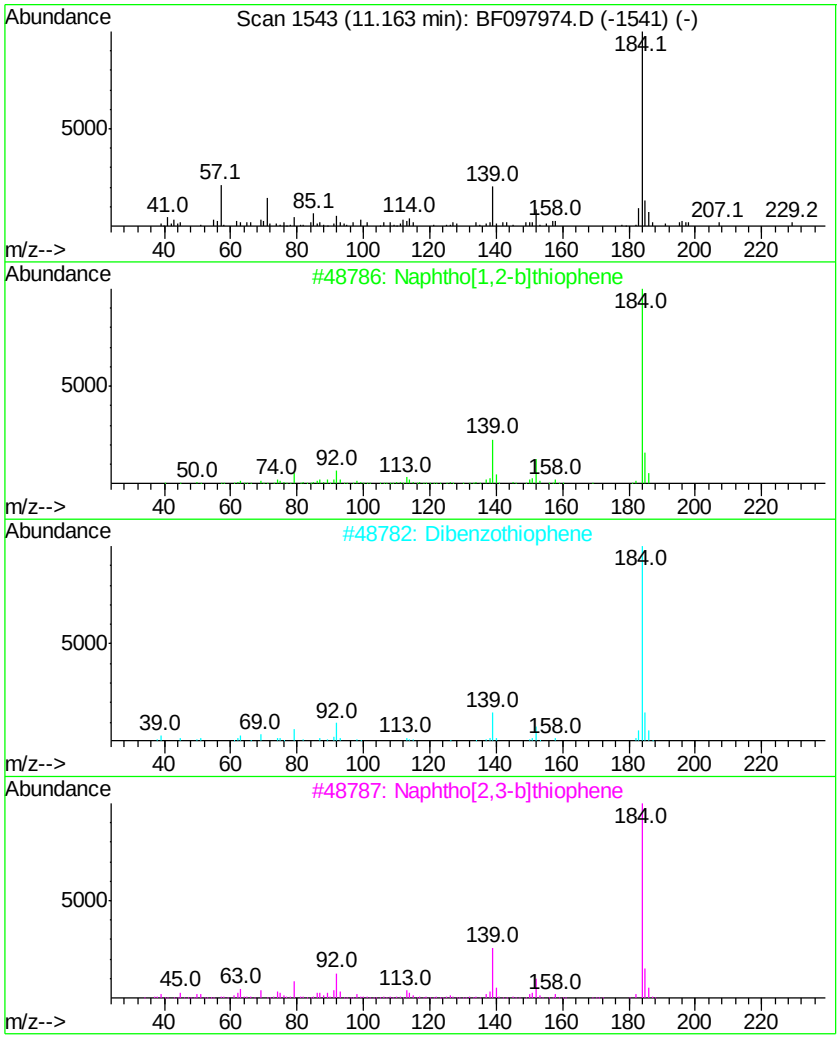
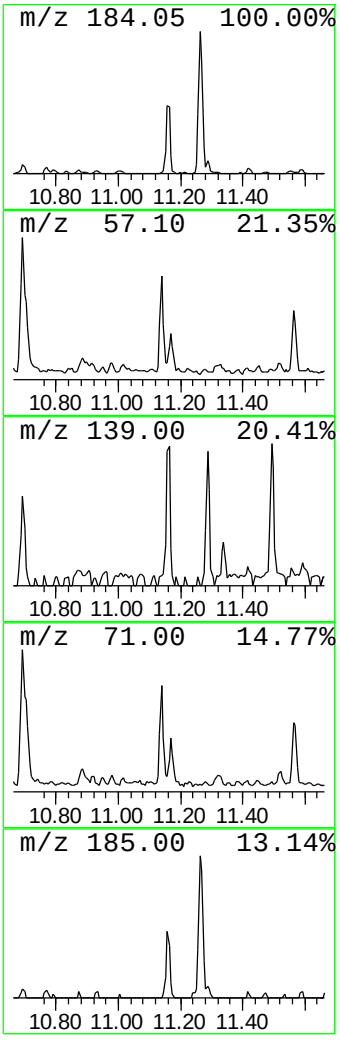
Peak Number 9 Naphtho[1,2-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.16	2.62 ng	113984	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	83
2	Dibenzothiophene	184	C12H8S	000132-65-0	83
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	83
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80
5	6-Methoxy-5-quinolinecarbonitrile	184	C11H8N2O	087299-97-6	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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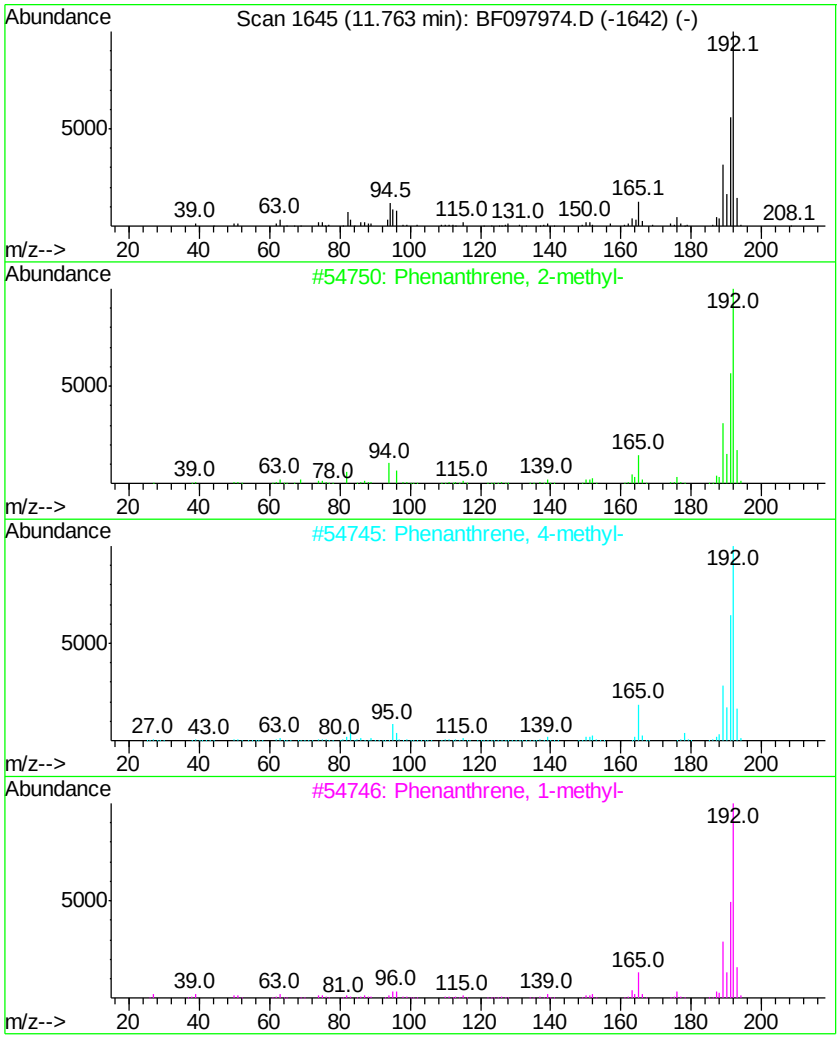
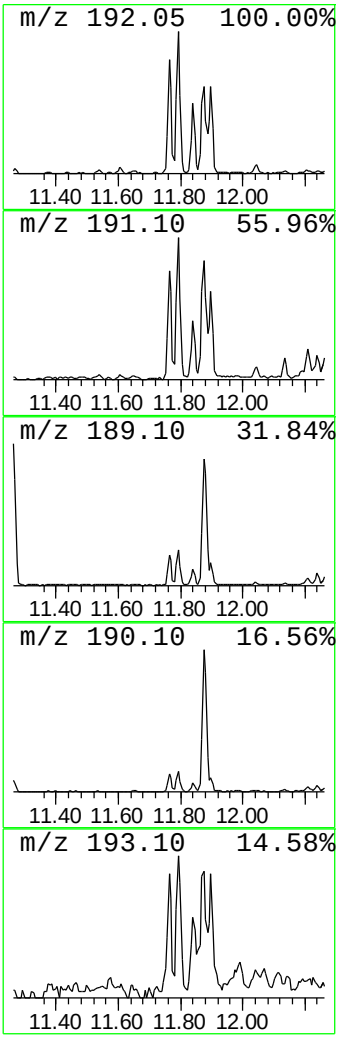
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	2.59 ng	112618	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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ClientSampleId : SP-5-6

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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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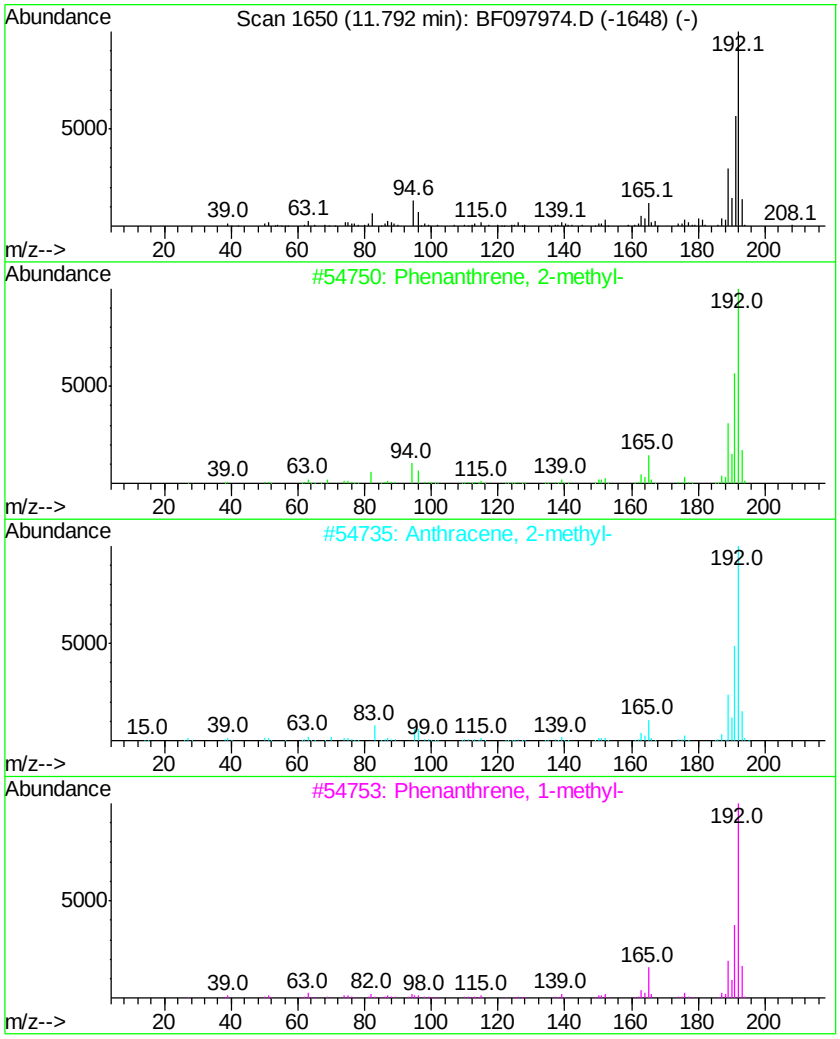
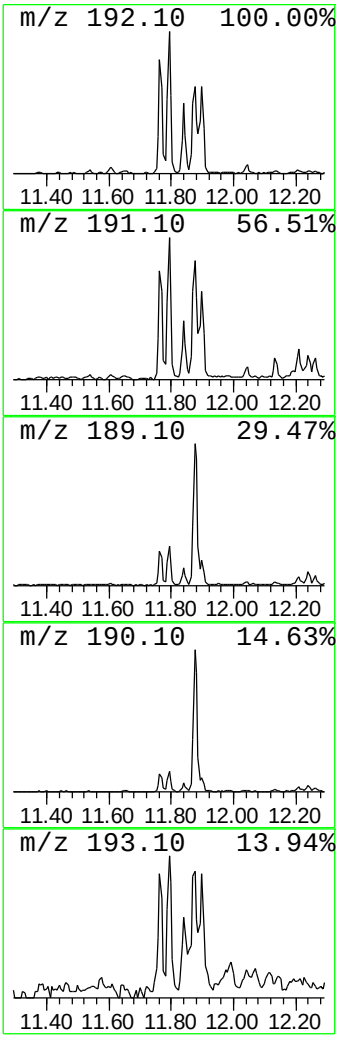
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	3.23 ng	140365	Phenanthrene-d10	11.26

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	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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

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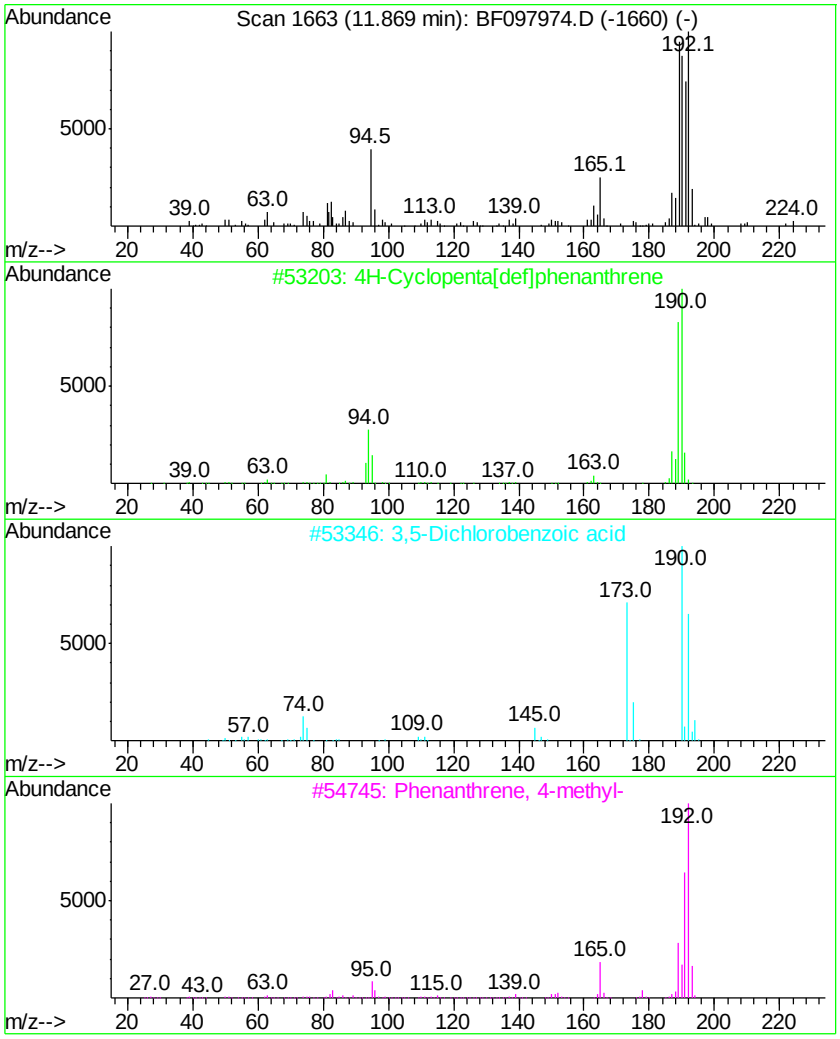
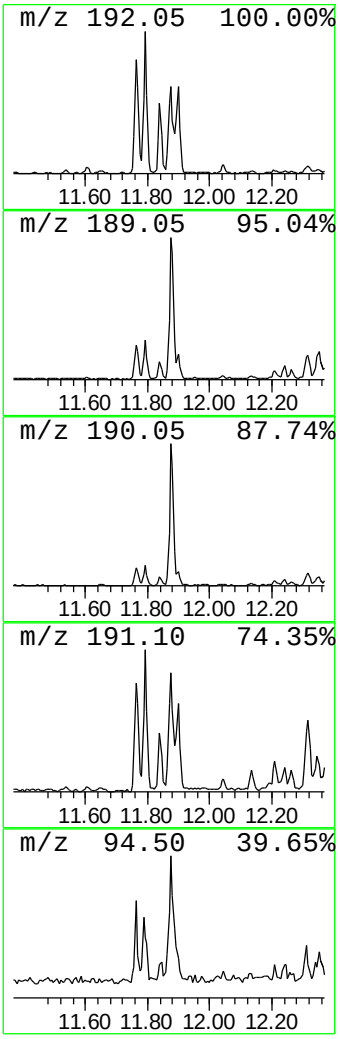
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	6.27 ng	272647	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	20
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	20
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	18





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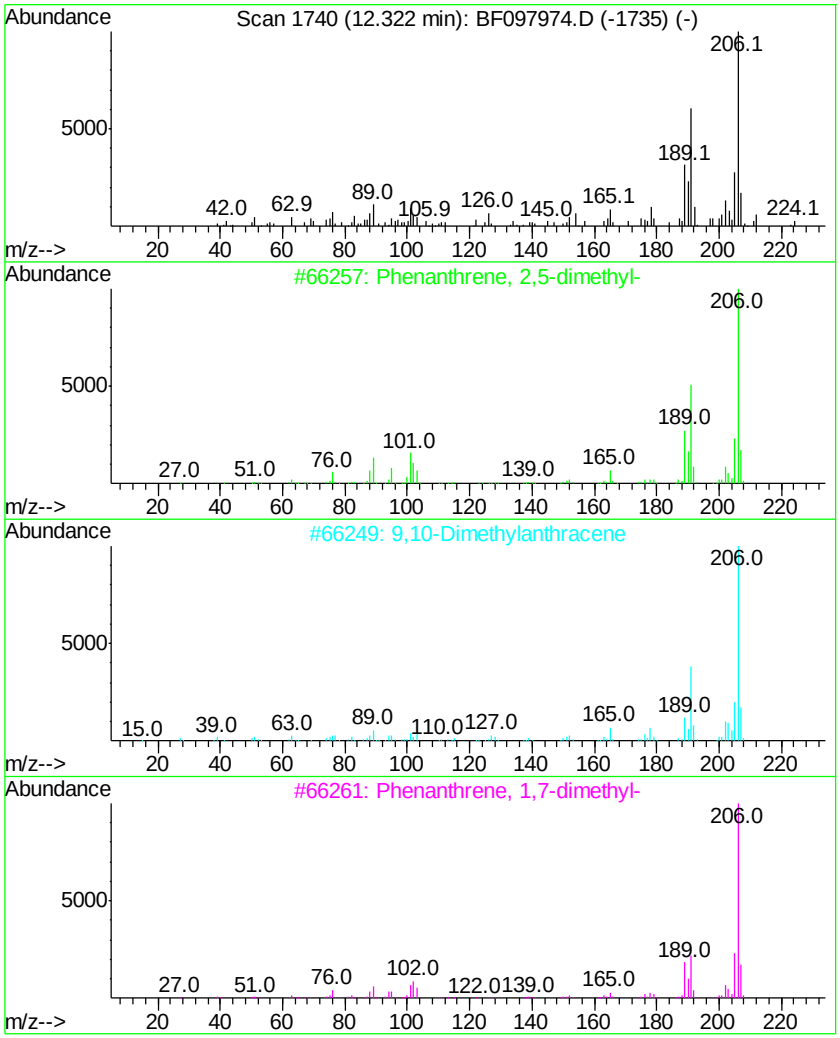
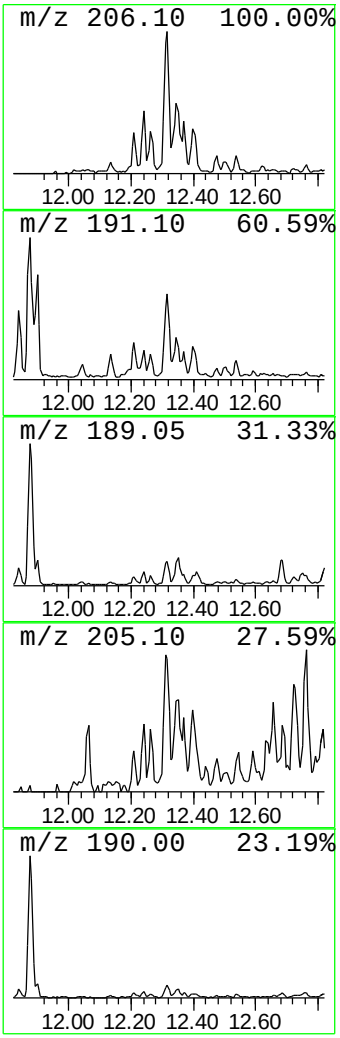
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	3.18 ng	138230	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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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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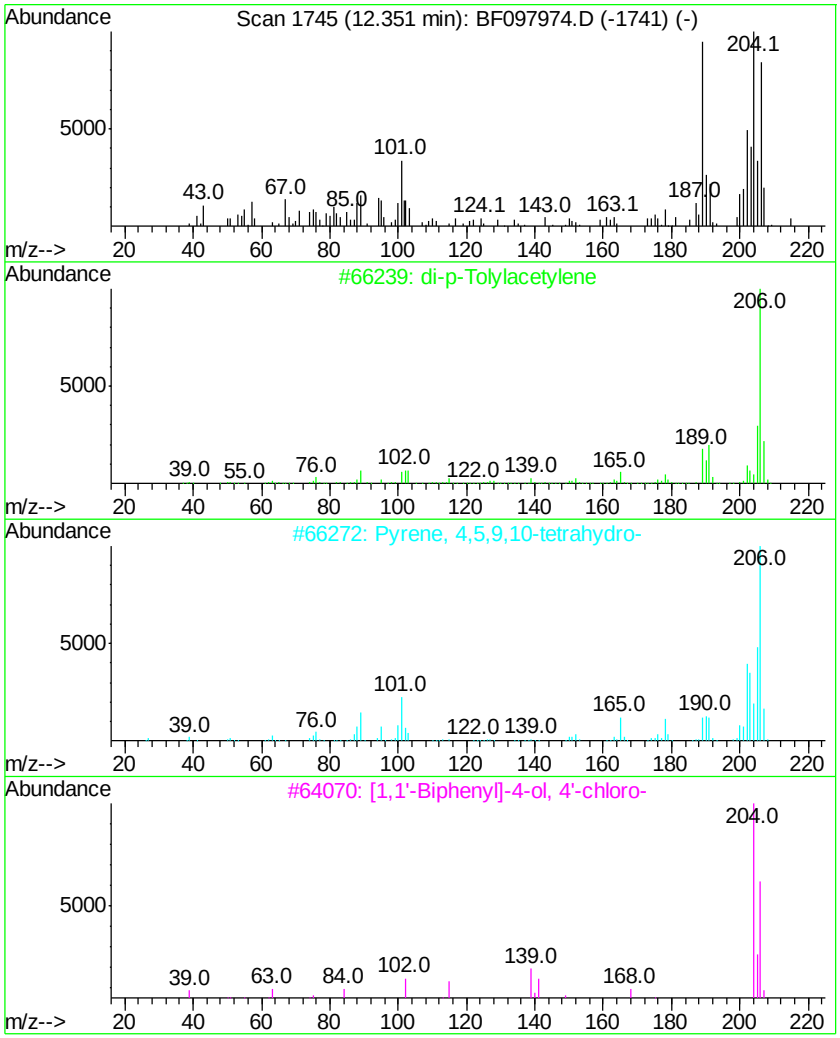
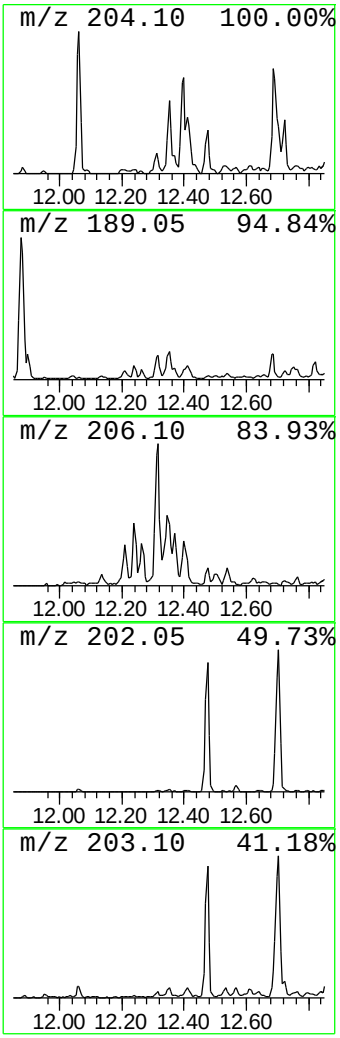
Peak Number 14 unknown12.35 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	3.75 ng	163168	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	35
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	35
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	27





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TIC Integration Parameters: LSCINT.P

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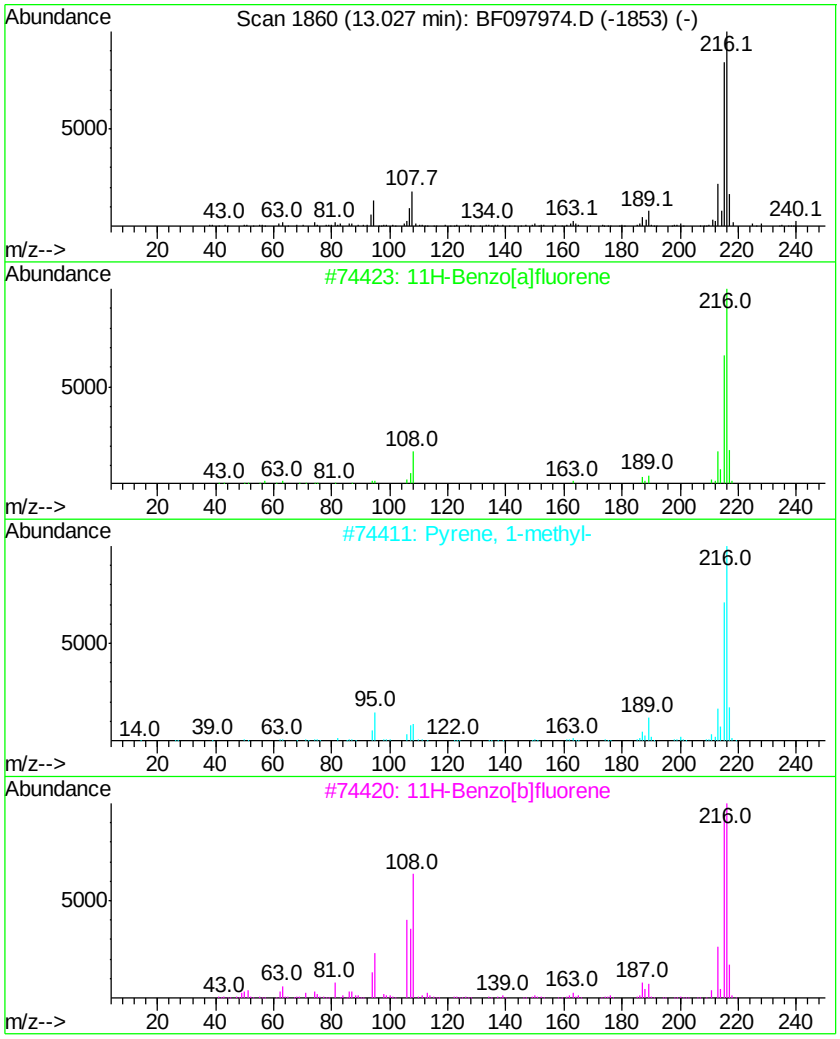
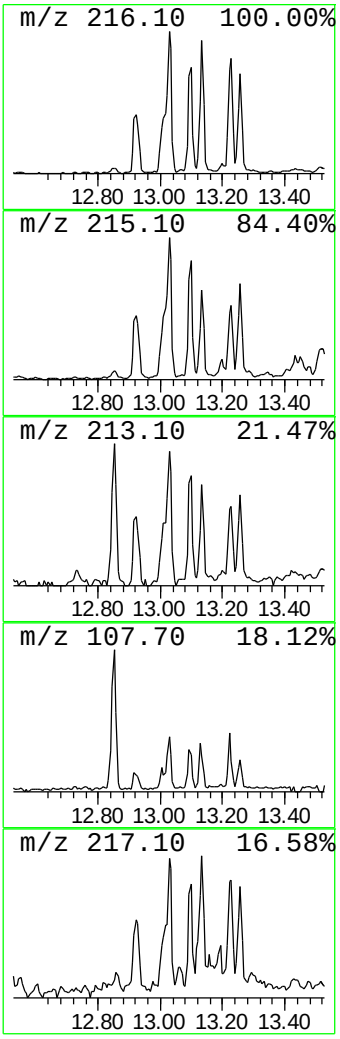
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	4.57 ng	301724	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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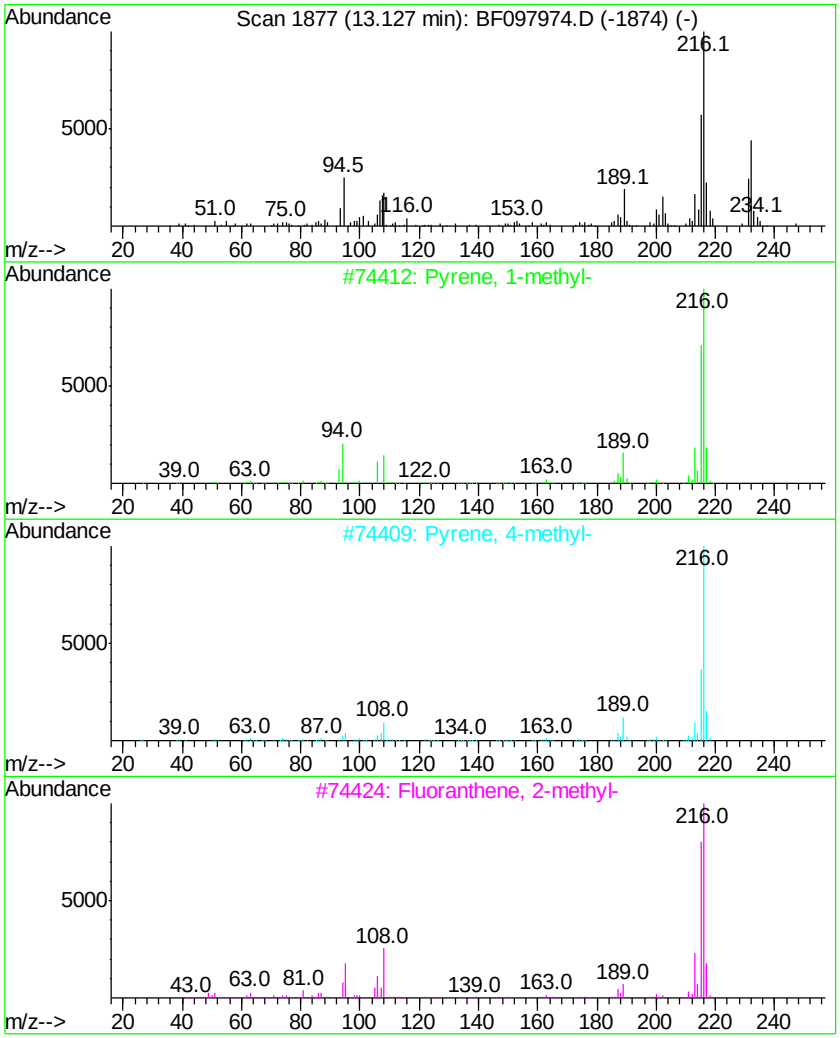
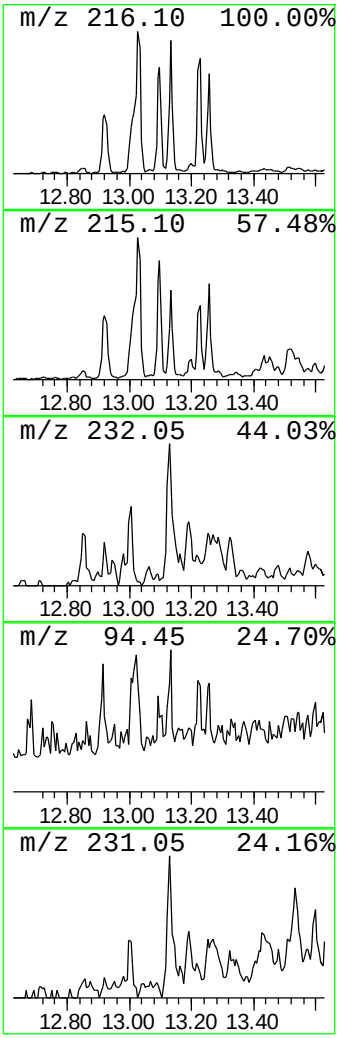
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	2.46 ng	162615	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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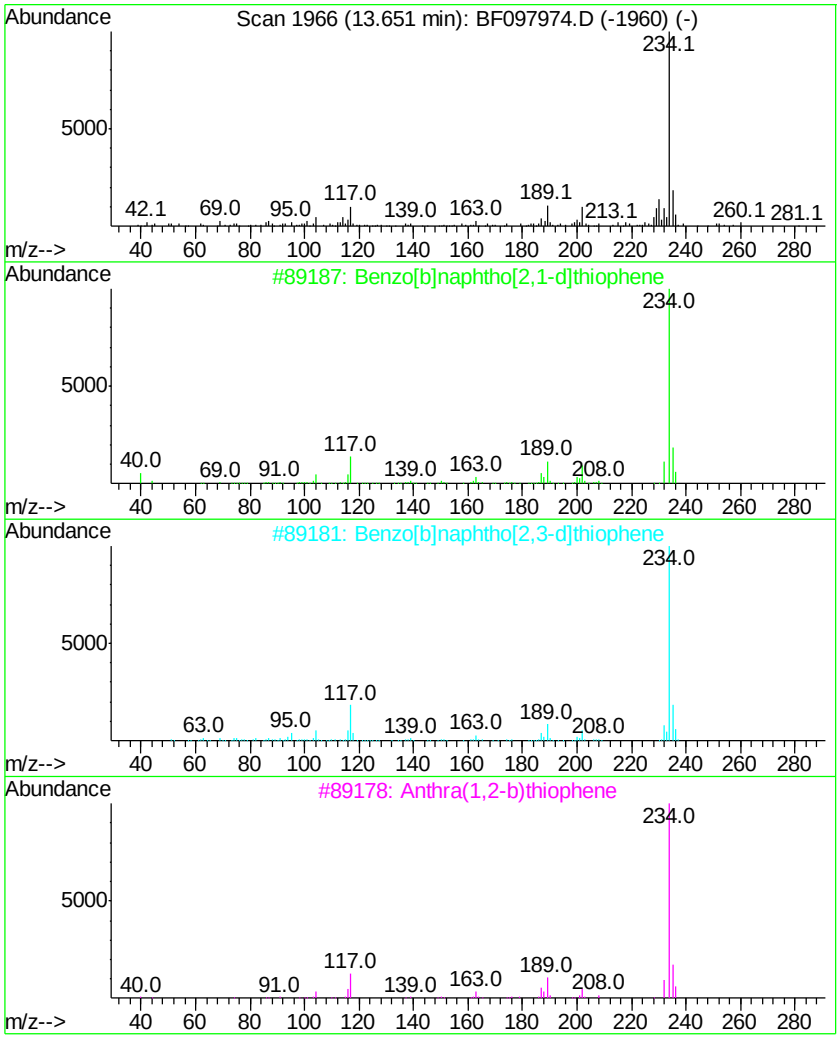
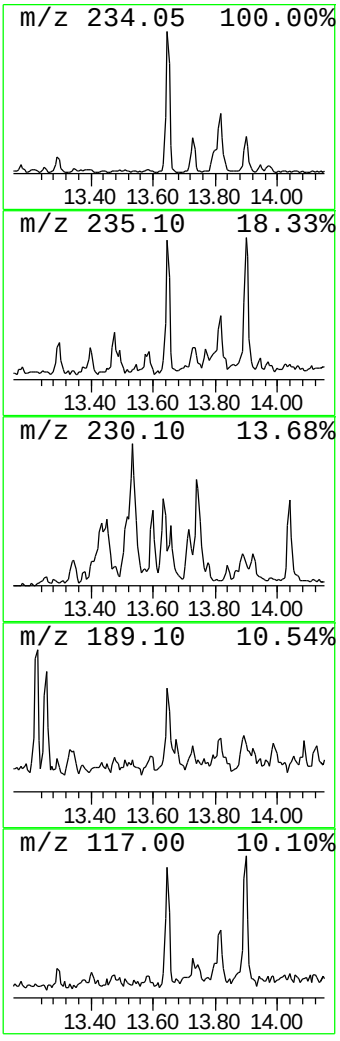
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	2.62 ng	172996	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	98
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	87
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	74





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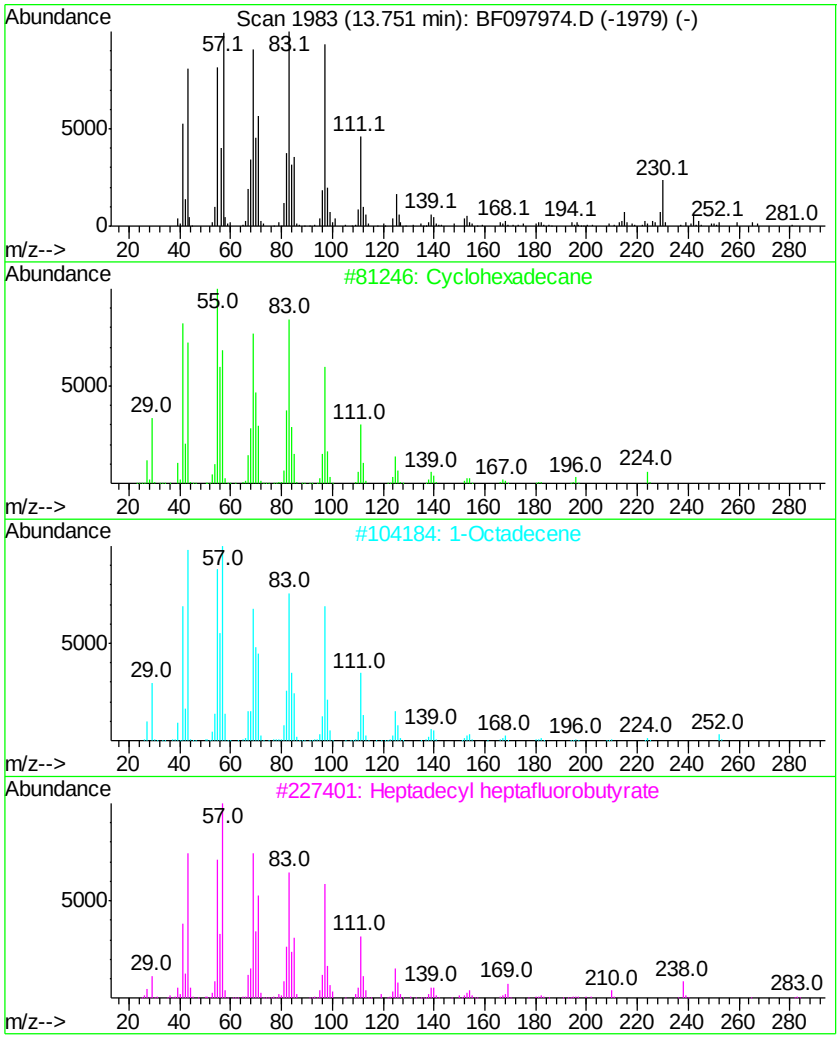
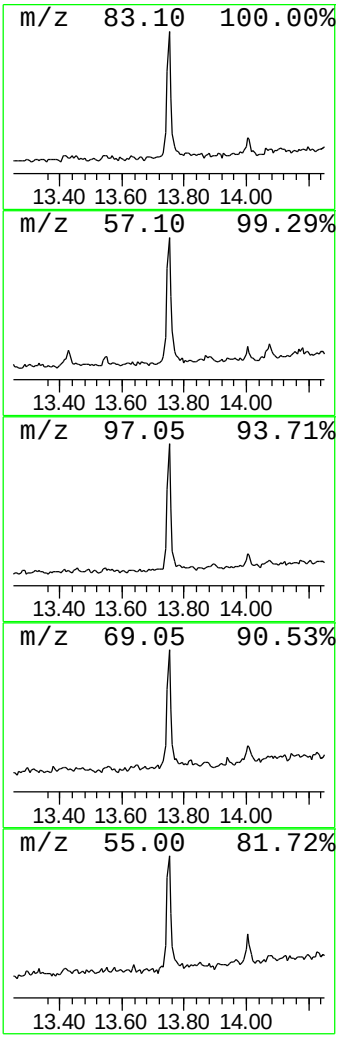
Peak Number 18 Cyclohexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	3.93 ng	259616	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	94
2	1-Octadecene	252	C18H36	000112-88-9	94
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
4	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
5	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	91





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Acq On : 23 Aug 2017 00:52
Operator : SJ/JU
Sample : I4910-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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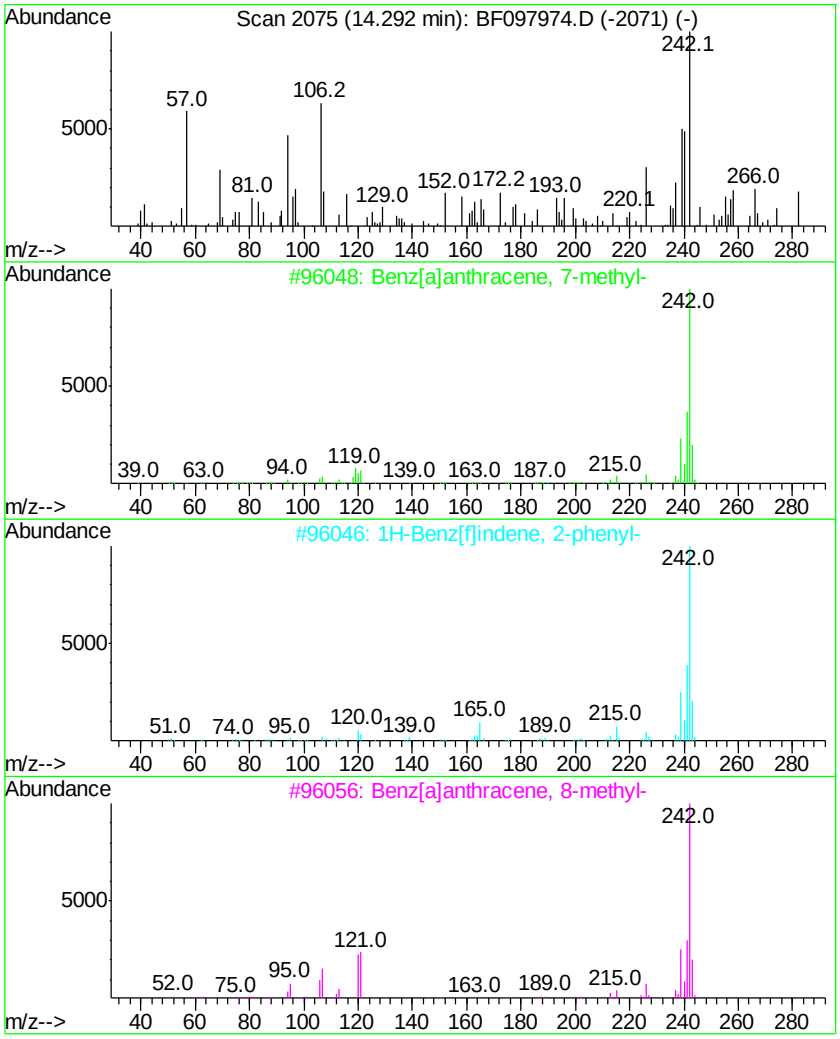
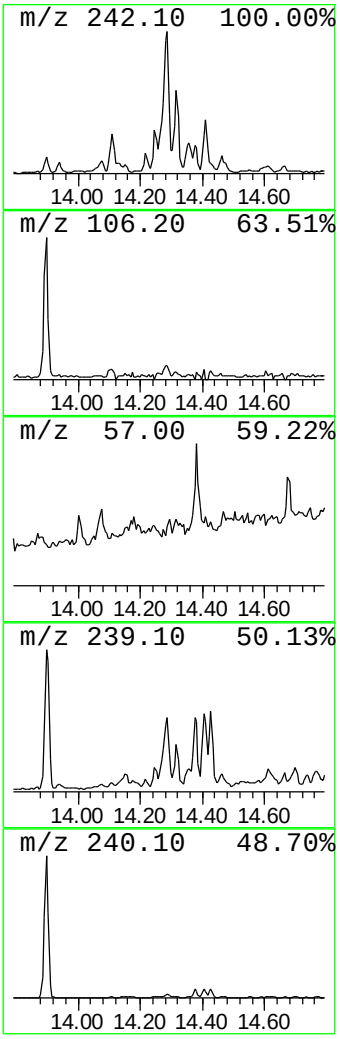
Peak Number 19 Benz[a]anthracene, 7-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	2.25 ng	148612	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	86
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	81
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	81
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	81
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	81





Data Path : U:\HPCHEM1\BNA F\DATA\BF082217\
Data File : BF097974.D
Acq On : 23 Aug 2017 00:52
Operator : SJ/JU
Sample : I4910-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

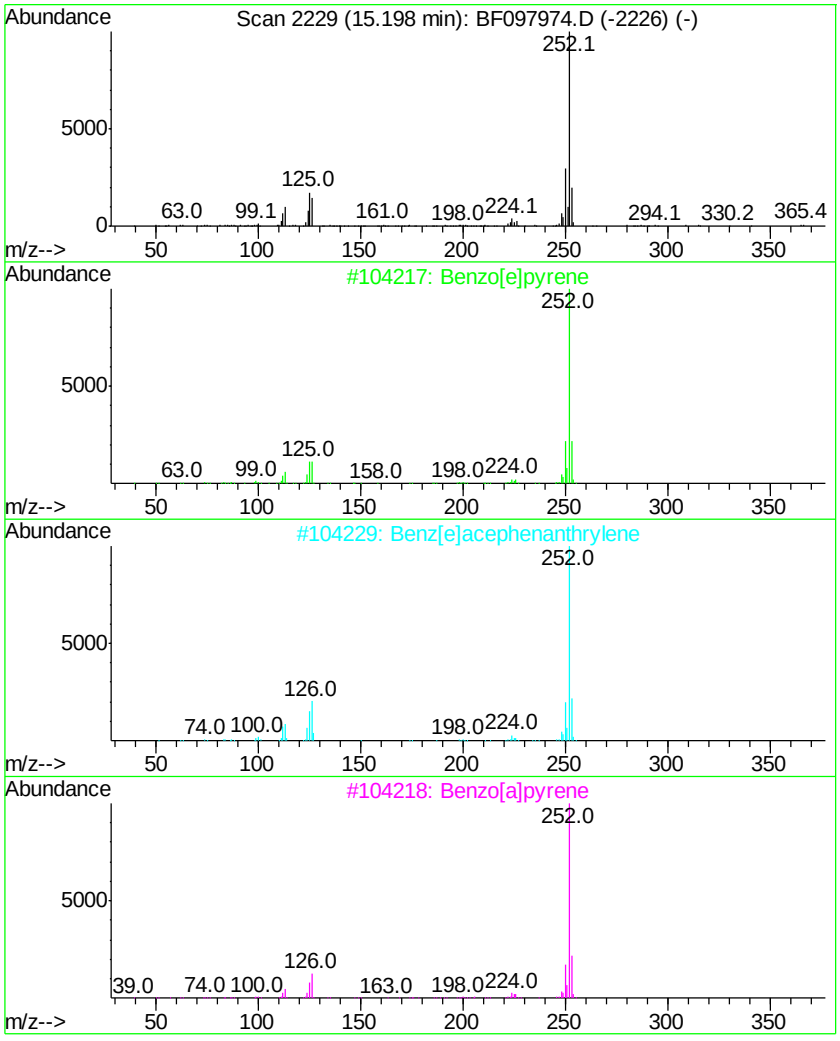
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

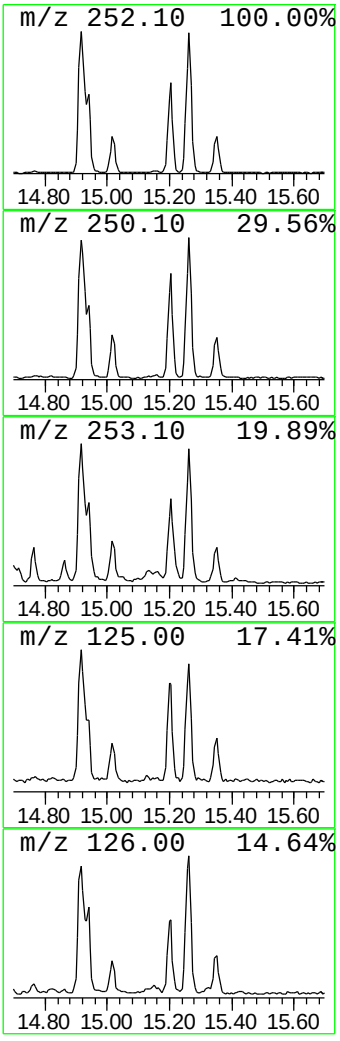
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	10.08 ng	353918	Perylene-d12	15.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_F\DATA\BF082217\
Data File : BF097974.D
Acq On : 23 Aug 2017 00:52
Operator : SJ/JU
Sample : I4910-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-5-6

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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
unknown3.12	3.12	3.3	ng	139387	1	6.75	850398	20.0
2-Pentanone, 4-hy...	4.95	9.9	ng	421557	1	6.75	850398	20.0
unknown6.52	6.52	81.0	ng	3444620	1	6.75	850398	20.0
Naphthalene, 1-me...	8.84	4.0	ng	238143	2	8.03	1195350	20.0
Naphthalene, 2,6-...	9.37	2.4	ng	125583	3	9.78	1070340	20.0
Naphthalene, 1,6-...	9.44	2.8	ng	148494	3	9.78	1070340	20.0
2-Bromo dodecane	10.69	4.8	ng	209005	4	11.26	869729	20.0
Naphtho[1,2-b]thi...	11.16	2.6	ng	113984	4	11.26	869729	20.0
Phenanthrene, 2-m...	11.76	2.6	ng	112618	4	11.26	869729	20.0
Phenanthrene, 1-m...	11.79	3.2	ng	140365	4	11.26	869729	20.0
4H-Cyclopenta[def...	11.87	6.3	ng	272647	4	11.26	869729	20.0
Phenanthrene, 2,5...	12.32	3.2	ng	138230	4	11.26	869729	20.0
unknown12.35	12.35	3.8	ng	163168	4	11.26	869729	20.0
11H-Benzo[a]fluorene	13.03	4.6	ng	301724	5	13.90	1321470	20.0
Pyrene, 1-methyl-	13.13	2.5	ng	162615	5	13.90	1321470	20.0
Benzo[b]naphtho[2...	13.65	2.6	ng	172996	5	13.90	1321470	20.0
Cyclohexadecane	13.75	3.9	ng	259616	5	13.90	1321470	20.0
Benz[a]anthracene...	14.29	2.3	ng	148612	5	13.90	1321470	20.0
Benzo[e]pyrene	15.20	10.1	ng	353918	6	15.32	702402	20.0