LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
Data File : BF103885.D
Acq On : 23 Mar 2018 17:27
Operator : JU/SJ
Sample : J1998-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-109(2-3)

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-BF031518.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	5.592	588	596	604	rBV	1774587	1636605	33.69%	2.324%
2	6.592	761	766	769	rBV	1708022	1567147	32.26%	2.226%
3	6.745	788	792	795	rBV	1929075	1658439	34.14%	2.355%
4	6.975	827	831	836	rBV	1059797	844958	17.39%	1.200%
5	7.133	854	858	860	rBV	1448337	1293538	26.62%	1.837%
6	7.533	922	926	929	rBV	1151841	937280	19.29%	1.331%
7	8.257	1045	1049	1051	rBV	1274951	1059242	21.80%	1.504%
8	8.280	1051	1053	1056	rVV	742068	568898	11.71%	0.808%
9	8.969	1167	1170	1176	rBV	537776	450558	9.27%	0.640%
10	9.069	1182	1187	1191	rBV	470899	402198	8.28%	0.571%
11	9.327	1228	1231	1235	rBV	2038195	1648325	33.93%	2.341%
12	9.433	1246	1249	1252	rBV	136186	117302	2.41%	0.167%
13	9.527	1263	1265	1270	rVB	100830	113708	2.34%	0.161%
14	9.598	1272	1277	1281	rBV	199748	277468	5.71%	0.394%
15	9.674	1286	1290	1292	rBV	290055	315309	6.49%	0.448%
16	9.698	1292	1294	1296	rVV	190991	143580	2.96%	0.204%
17	9.786	1305	1309	1311	rBV	147579	147694	3.04%	0.210%
18	9.880	1321	1325	1330	rBV	535255	511803	10.53%	0.727%
19	9.927	1330	1333	1338	rVB	126754	103748	2.14%	0.147%
20	10.015	1346	1348	1351	rVV	1070481	937402	19.29%	1.331%
21	10.051	1351	1354	1357	rVB	679918	542485	11.17%	0.770%
22	10.221	1379	1383	1386	rVB2	481250	447558	9.21%	0.636%
23	10.257	1386	1389	1392	rVB2	144329	128871	2.65%	0.183%
24	10.327	1398	1401	1404	rBV2	132025	151540	3.12%	0.215%
25	10.427	1411	1418	1422	rBV3	180861	265899	5.47%	0.378%
26	10.568	1438	1442	1448	rVB	1073452	944996	19.45%	1.342%
27	10.651	1451	1456	1458	rVV3	161974	208785	4.30%	0.297%
28	10.721	1463	1468	1471	rVB2	173175	197991	4.08%	0.281%
29	10.810	1478	1483	1486	rBV	978570	973063	20.03%	1.382%
30	10.904	1496	1499	1509	rVB3	199543	340828	7.02%	0.484%
31	11.010	1513	1517	1521	rBV4	81034	135474	2.79%	0.192%
32	11.115	1530	1535	1537	rBV2	241321	267436	5.50%	0.380%
33	11.145	1537	1540	1542	rVV	131193	121584	2.50%	0.173%
34	11.198	1546	1549	1552	rVB	137142	117123	2.41%	0.166%

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Acq On : 23 Mar 2018 17:27
Operator : JU/SJ
Sample : J1998-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-109(2-3)

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-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.239	1552	1556	1558	rBV3	81438	117817	2.42%	0.167%
36	11.268	1558	1561	1565	rVV3	101717	135733	2.79%	0.193%
37	11.357	1573	1576	1578	rVV	266836	232326	4.78%	0.330%
38	11.386	1578	1581	1582	rVV	116309	105096	2.16%	0.149%
39	11.410	1582	1585	1589	rVB	495315	416319	8.57%	0.591%
40	11.515	1599	1603	1604	rBV	824702	803274	16.53%	1.141%
41	11.545	1604	1608	1611	rVV	3999437	4073070	83.83%	5.785%
42	11.592	1612	1616	1619	rVV	1832251	1540925	31.72%	2.188%
43	11.621	1619	1621	1623	rVV	144112	137819	2.84%	0.196%
44	11.668	1626	1629	1634	rVV3	93550	132954	2.74%	0.189%
45	11.739	1638	1641	1646	rVV	341907	367600	7.57%	0.522%
46	11.786	1646	1649	1650	rVV	230184	211512	4.35%	0.300%
47	11.804	1650	1652	1655	rVV2	201550	221490	4.56%	0.315%
48	11.845	1656	1659	1662	rVV	256387	250598	5.16%	0.356%
49	11.886	1663	1666	1669	rVV	1528814	1152236	23.72%	1.636%
50	11.927	1670	1673	1678	rVB	142138	162660	3.35%	0.231%
51	12.015	1685	1688	1690	rBV	659210	573187	11.80%	0.814%
52	12.045	1690	1693	1696	rVB	883877	739597	15.22%	1.050%
53	12.092	1697	1701	1704	rBV	418059	383095	7.89%	0.544%
54	12.133	1704	1708	1710	rBV2	1188216	1329608	27.37%	1.888%
55	12.192	1715	1718	1720	rBV	274825	214349	4.41%	0.304%
56	12.309	1735	1738	1740	rVV	516850	444857	9.16%	0.632%
57	12.339	1740	1743	1749	rVB2	180412	225346	4.64%	0.320%
58	12.492	1766	1769	1771	rVV	150741	131961	2.72%	0.187%
59	12.515	1771	1773	1775	rVB2	169403	135466	2.79%	0.192%
60	12.580	1778	1784	1785	rBV2	2060752	2232033	45.94%	3.170%
61	12.598	1785	1787	1794	rVB3	2930975	3334824	68.64%	4.736%
62	12.656	1794	1797	1799	rBV2	182801	238833	4.92%	0.339%
63	12.680	1799	1801	1806	rVB2	588929	582565	11.99%	0.827%
64	12.745	1806	1812	1814	rBV	3641074	4277745	88.05%	6.075%
65	12.774	1814	1817	1819	rBV2	137476	127175	2.62%	0.181%
66	12.798	1819	1821	1823	rVB	133396	103442	2.13%	0.147%
67	12.827	1823	1826	1830	rBV	440140	443485	9.13%	0.630%
68	12.886	1833	1836	1839	rBV	259573	277446	5.71%	0.394%
69	12.974	1844	1851	1855	rBV2	3570781	4858442	100.00%	6.900%
70	13.009	1855	1857	1861	rVB3	243635	265367	5.46%	0.377%
71	13.098	1865	1872	1875	rBV2	1464523	1617108	33.28%	2.297%

LSC Area Percent Report

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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-109(2-3)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.121	1875	1876	1880	rVB	227686	178660	3.68%	0.254%
73	13.180	1882	1886	1890	rBV3	330466	565658	11.64%	0.803%
74	13.268	1897	1901	1902	rBV3	286534	299065	6.16%	0.425%
75	13.292	1902	1905	1907	rVV	849939	820527	16.89%	1.165%
76	13.315	1907	1909	1911	rVB	181845	126533	2.60%	0.180%
77	13.362	1914	1917	1919	rVB	794294	700863	14.43%	0.995%
78	13.398	1919	1923	1926	rBV2	507150	550008	11.32%	0.781%
79	13.492	1936	1939	1941	rBV	301550	244169	5.03%	0.347%
80	13.521	1941	1944	1950	rVV	369473	394500	8.12%	0.560%
81	13.656	1965	1967	1971	rBV	265643	230835	4.75%	0.328%
82	13.774	1984	1987	1989	rBV2	160308	180848	3.72%	0.257%
83	13.915	2008	2011	2013	rBV	393400	310960	6.40%	0.442%
84	13.945	2013	2016	2018	rVB	336706	248809	5.12%	0.353%
85	13.986	2018	2023	2026	rBV4	384397	664605	13.68%	0.944%
86	14.168	2049	2054	2057	rBV3	2052449	2948295	60.68%	4.187%
87	14.203	2057	2060	2066	rVB	1710794	1785252	36.75%	2.535%
88	14.280	2071	2073	2075	rBV	339743	282718	5.82%	0.402%
89	14.309	2075	2078	2084	rVB3	322380	391788	8.06%	0.556%
90	14.562	2119	2121	2124	rVB	335507	285687	5.88%	0.406%
91	14.621	2129	2131	2133	rBV	291010	229245	4.72%	0.326%
92	14.715	2145	2147	2151	rVB	306742	263499	5.42%	0.374%
93	14.945	2184	2186	2189	rVB	268634	237842	4.90%	0.338%
94	15.268	2236	2241	2244	rBV	976800	1777657	36.59%	2.525%
95	15.380	2257	2260	2264	rBV	248530	279800	5.76%	0.397%
96	15.592	2292	2296	2302	rVB	671671	944085	19.43%	1.341%
97	15.662	2303	2308	2313	rBV	1066760	1450267	29.85%	2.060%
98	15.721	2314	2318	2322	rBV2	510639	747052	15.38%	1.061%
99	16.186	2394	2397	2402	rVB3	246801	391633	8.06%	0.556%
100	17.321	2585	2590	2596	rBV2	373796	706091	14.53%	1.003%

Sum of corrected areas: 70413146

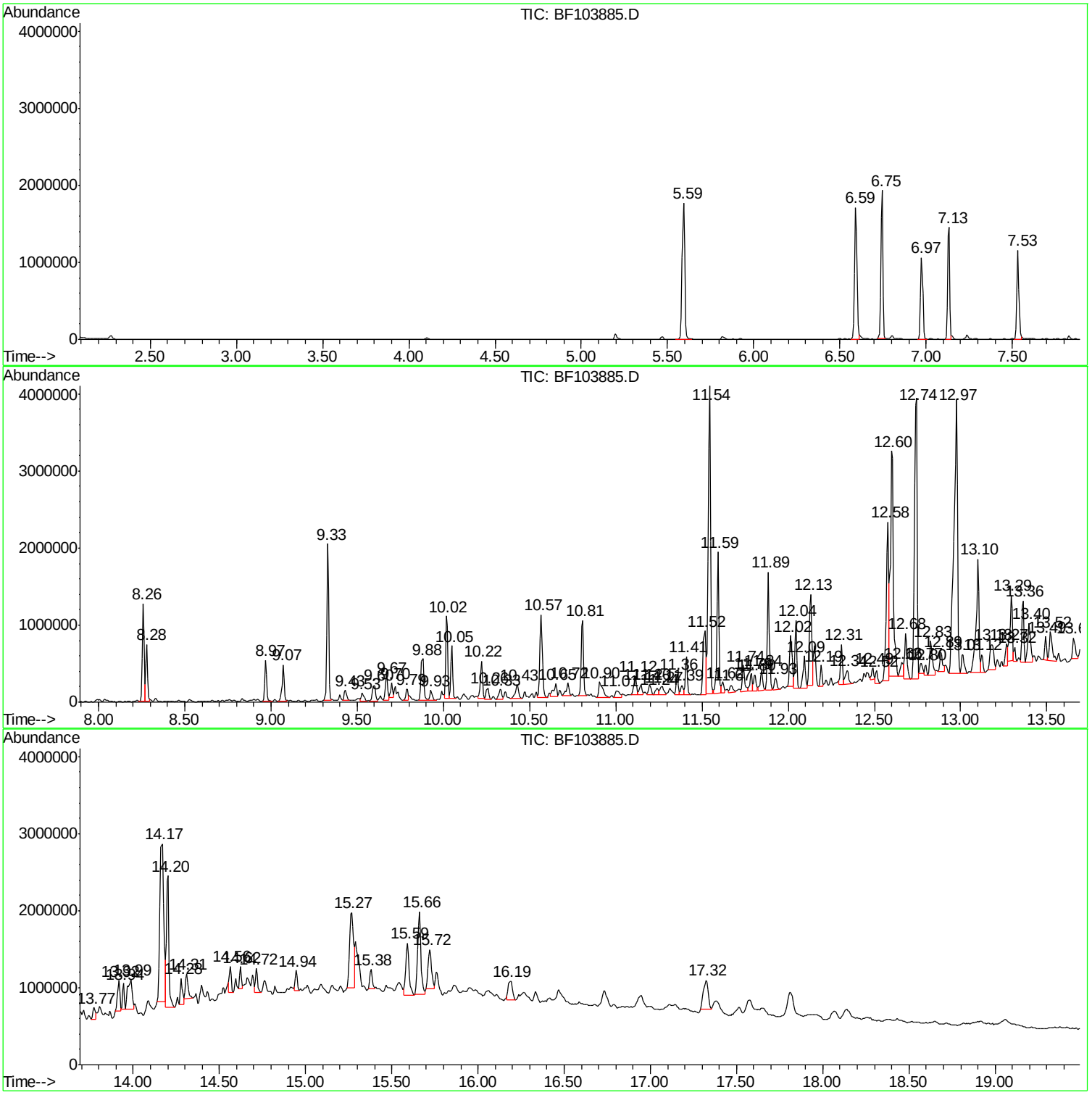
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
Data File : BF103885.D
Acq On : 23 Mar 2018 17:27
Operator : JU/SJ
Sample : J1998-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-109(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
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Acq On : 23 Mar 2018 17:27
Operator : JU/SJ
Sample : J1998-02 2X
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Instrument : BNA_F
ClientSampleId : SB-109(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

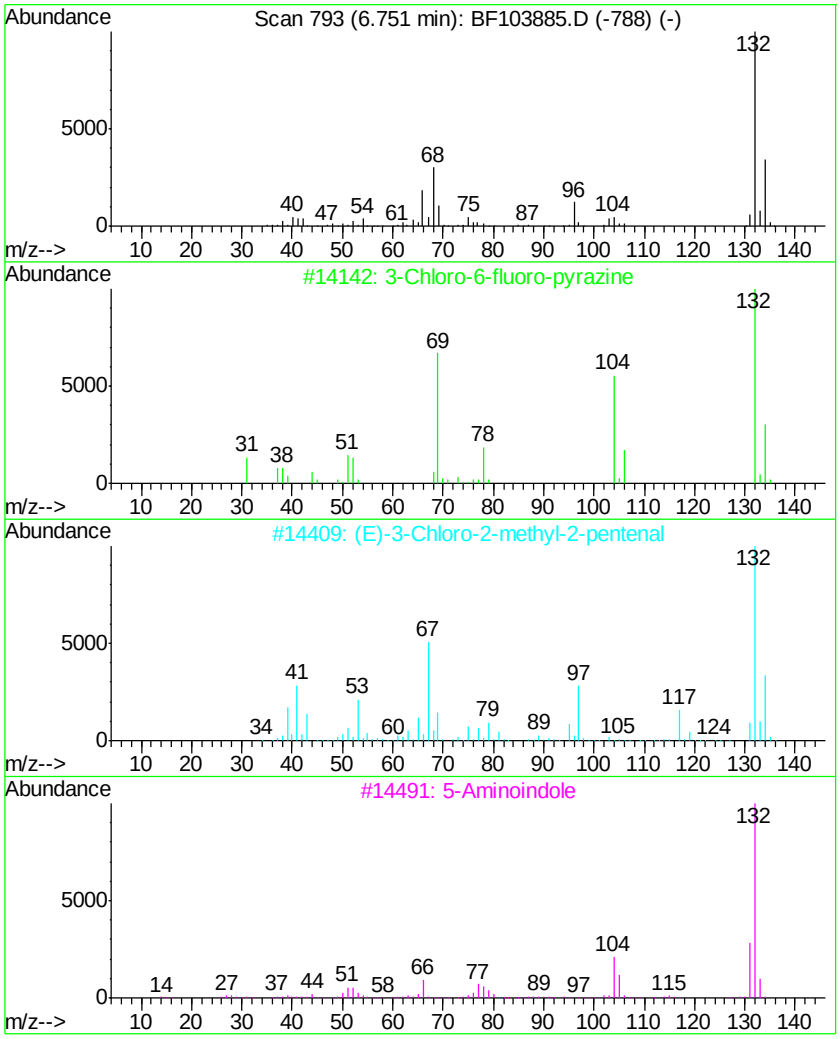
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

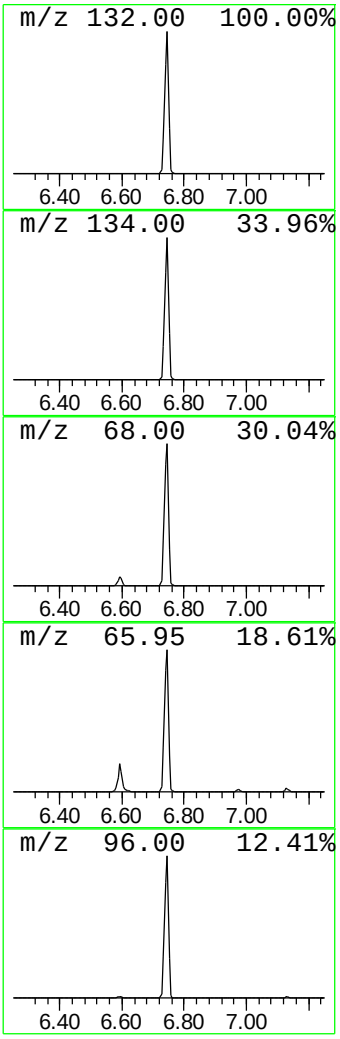
****

Peak Number 1 unknown6.75 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	39.25 ng	1658440	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	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

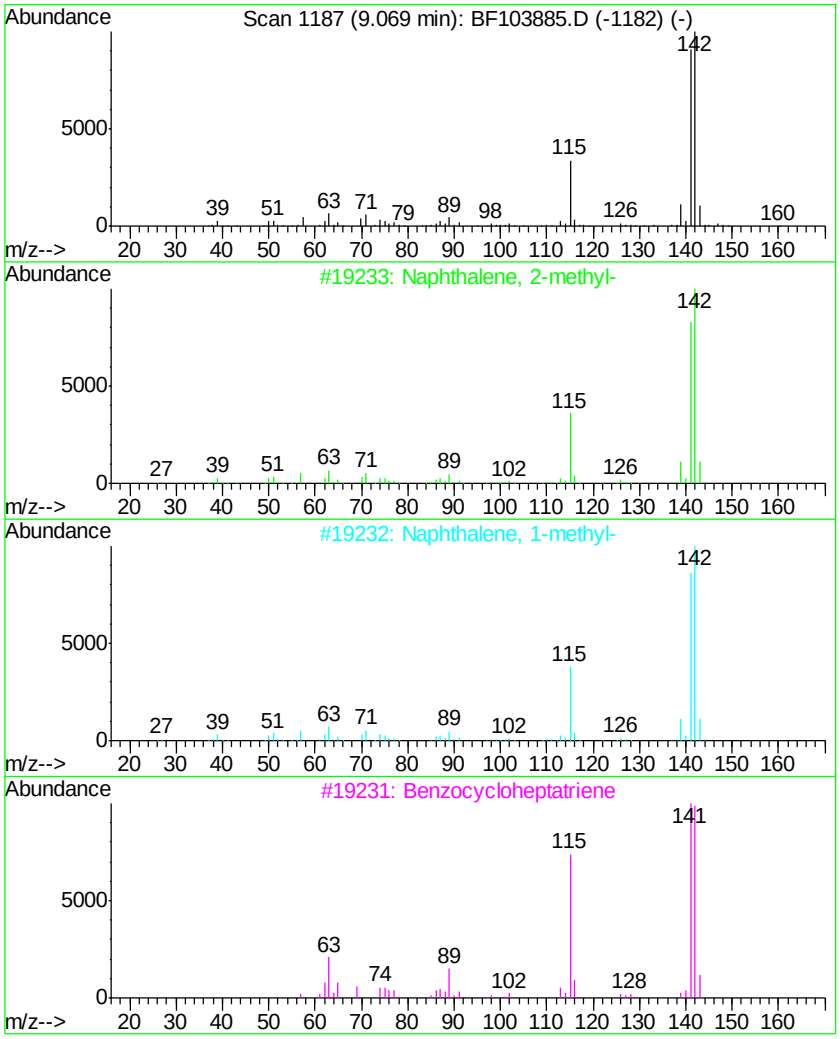
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

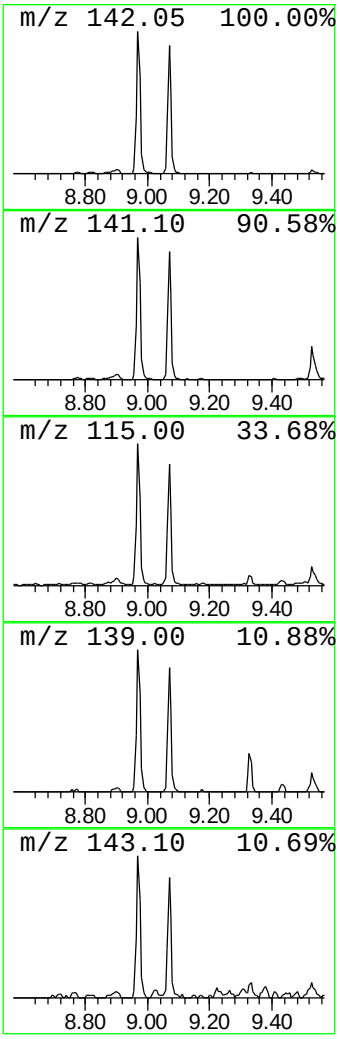
****

Peak Number 3 Naphthalene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	7.59 ng	402198	Naphthalene-d8	8.26

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	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59





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TIC Library : C:\DATABASE\NIST11.L
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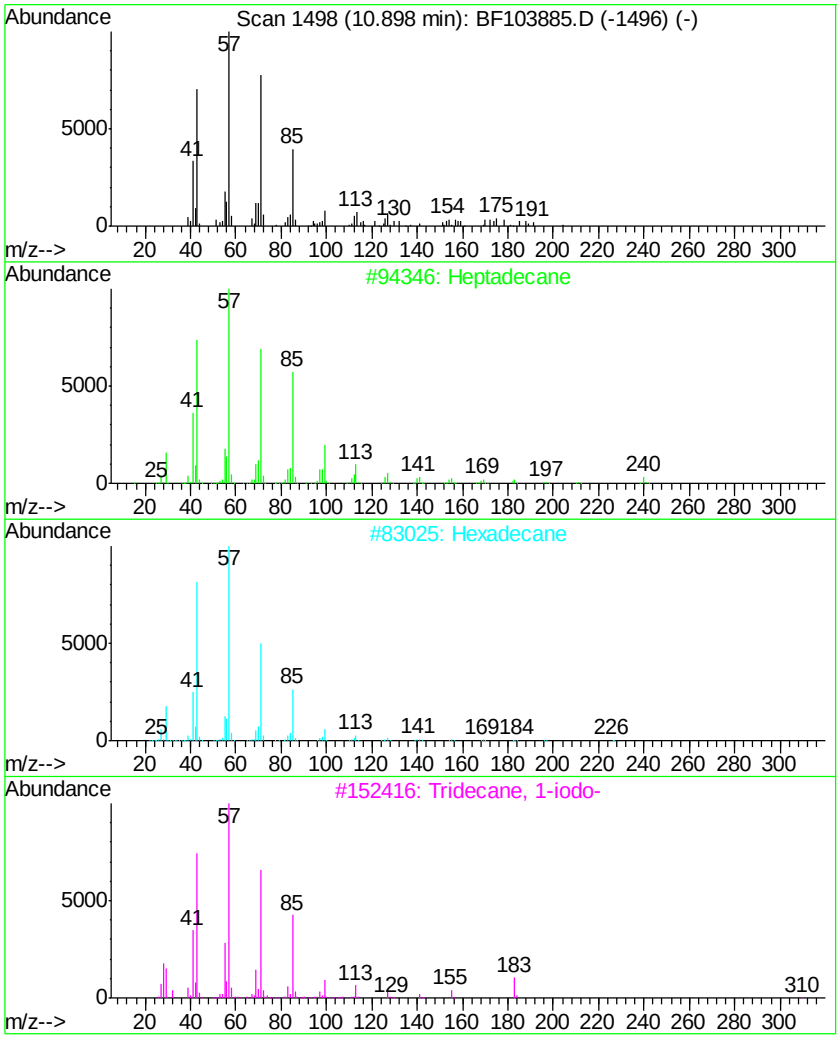
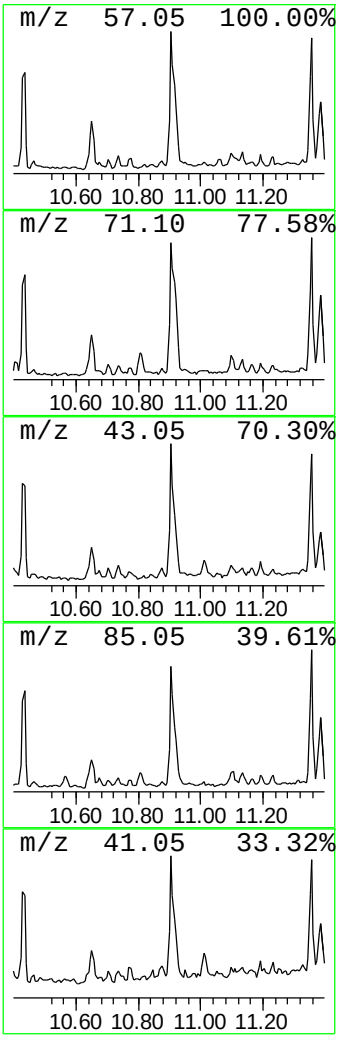
Peak Number 4 Heptadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	8.49 ng	340828	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	87
4	Tetradecane	198	C14H30	000629-59-4	86
5	Pentadecane	212	C15H32	000629-62-9	86





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Sample : J1998-02 2X
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ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-109(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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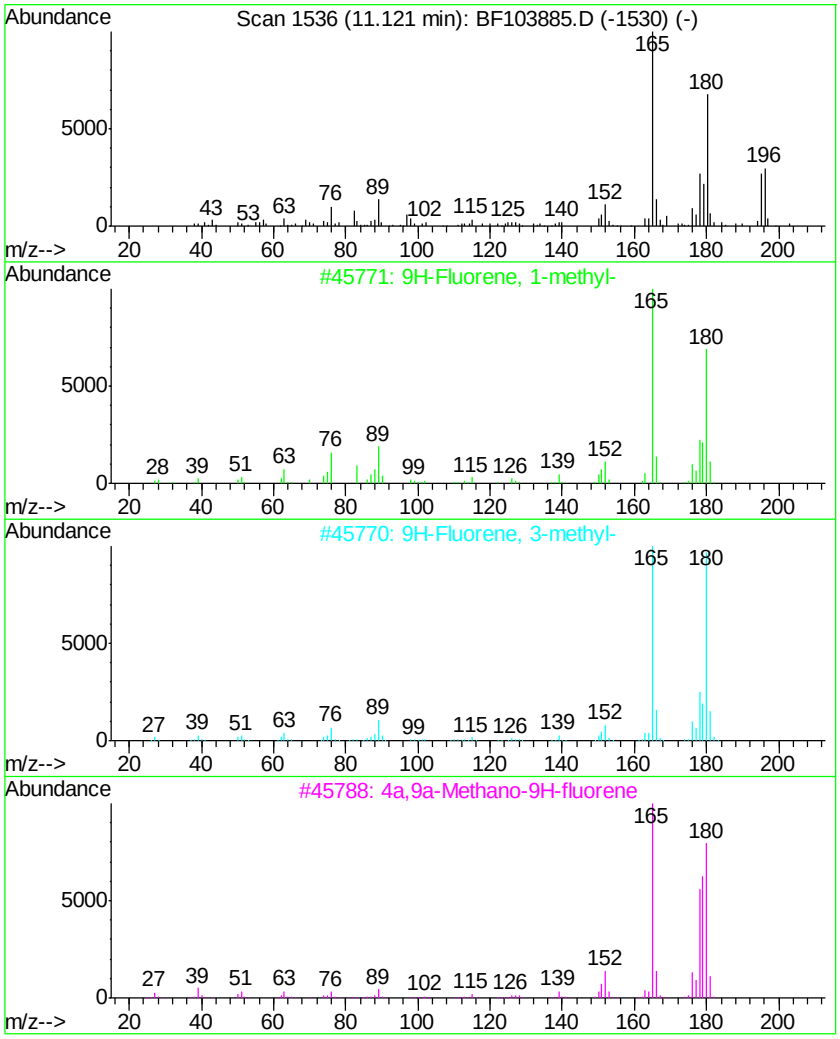
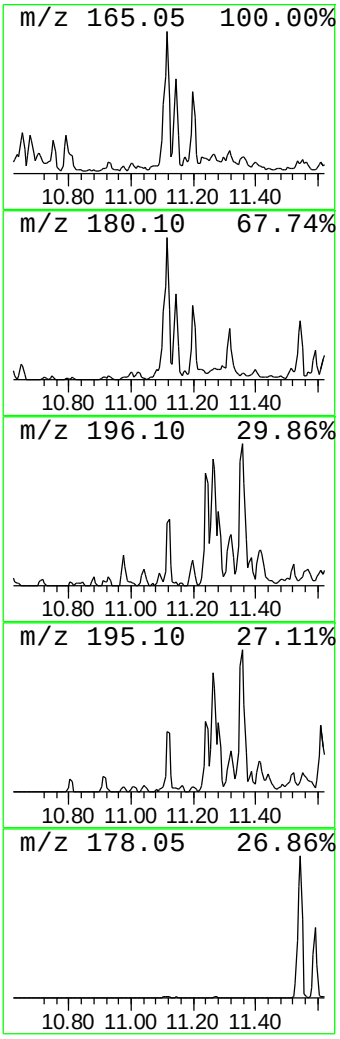
Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	6.66 ng	267436	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	92
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	92
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





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Acq On : 23 Mar 2018 17:27
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Sample : J1998-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-109(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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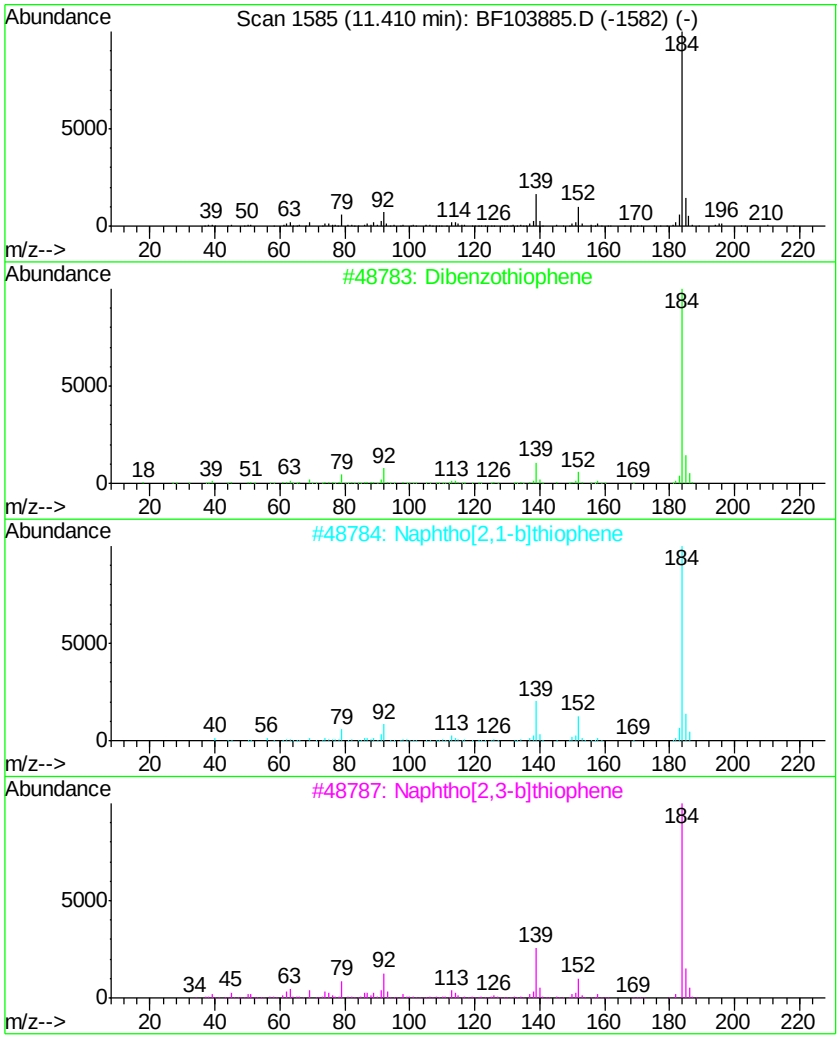
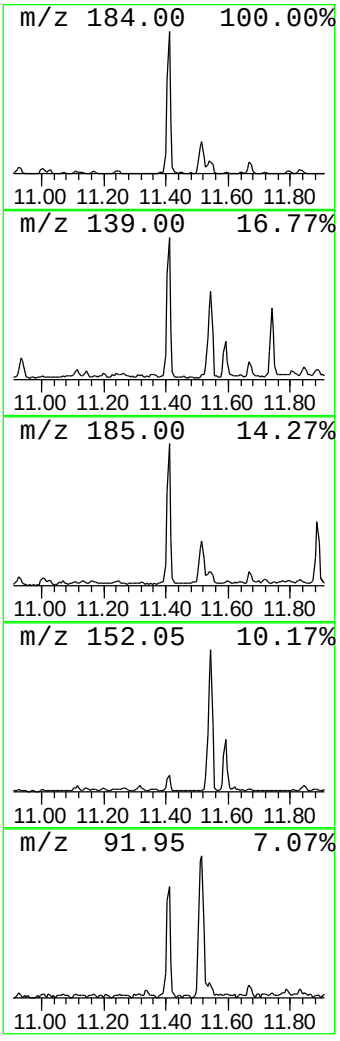
Peak Number 6 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	10.37 ng	416319	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Data File : BF103885.D
Acq On : 23 Mar 2018 17:27
Operator : JU/SJ
Sample : J1998-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-109(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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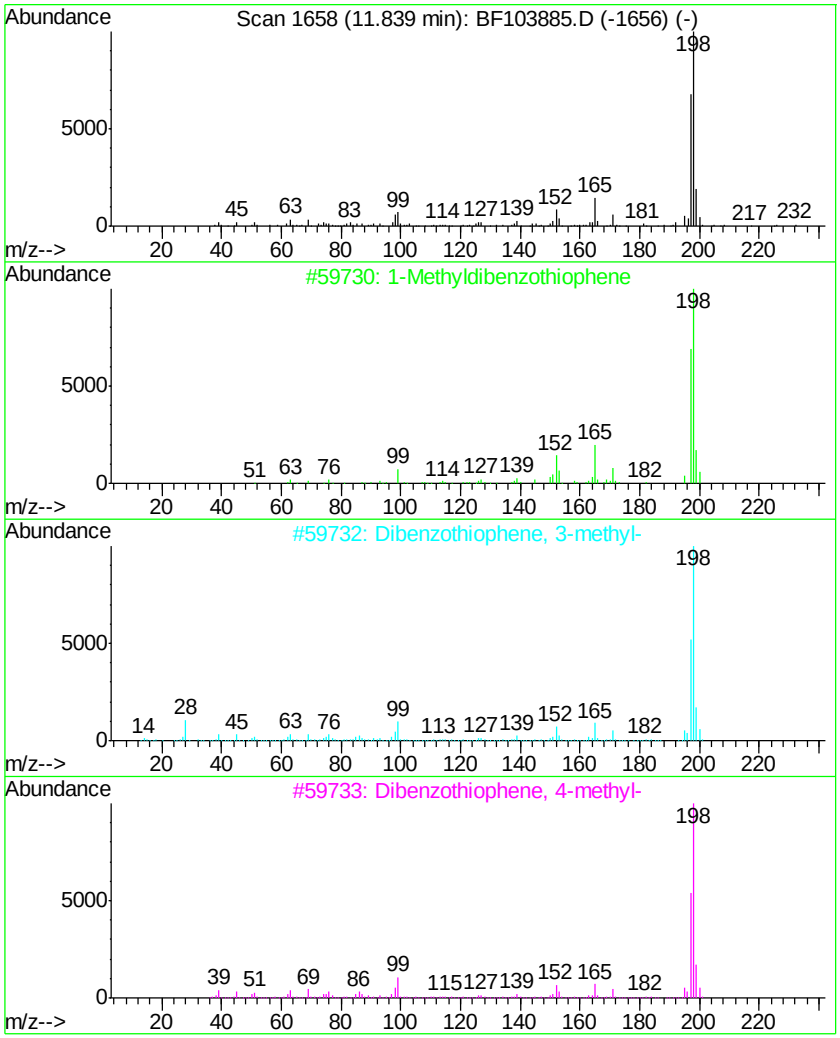
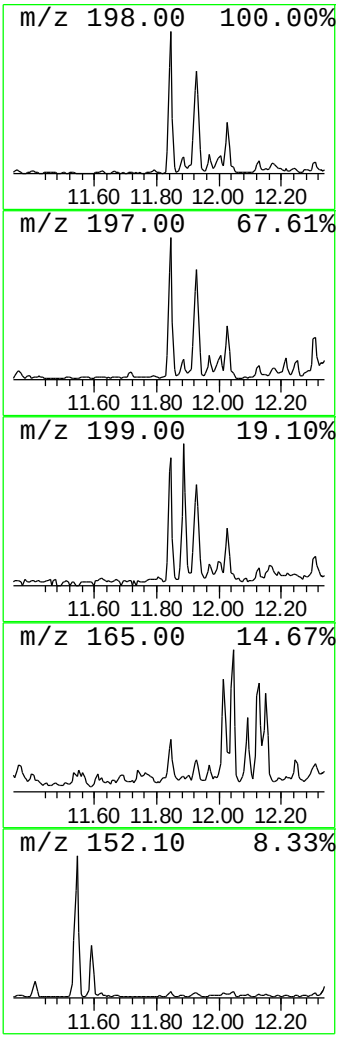
Peak Number 7 1-Methyldibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	6.24 ng	250598	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	80
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72





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Instrument : BNA_F
ClientSampleId : SB-109(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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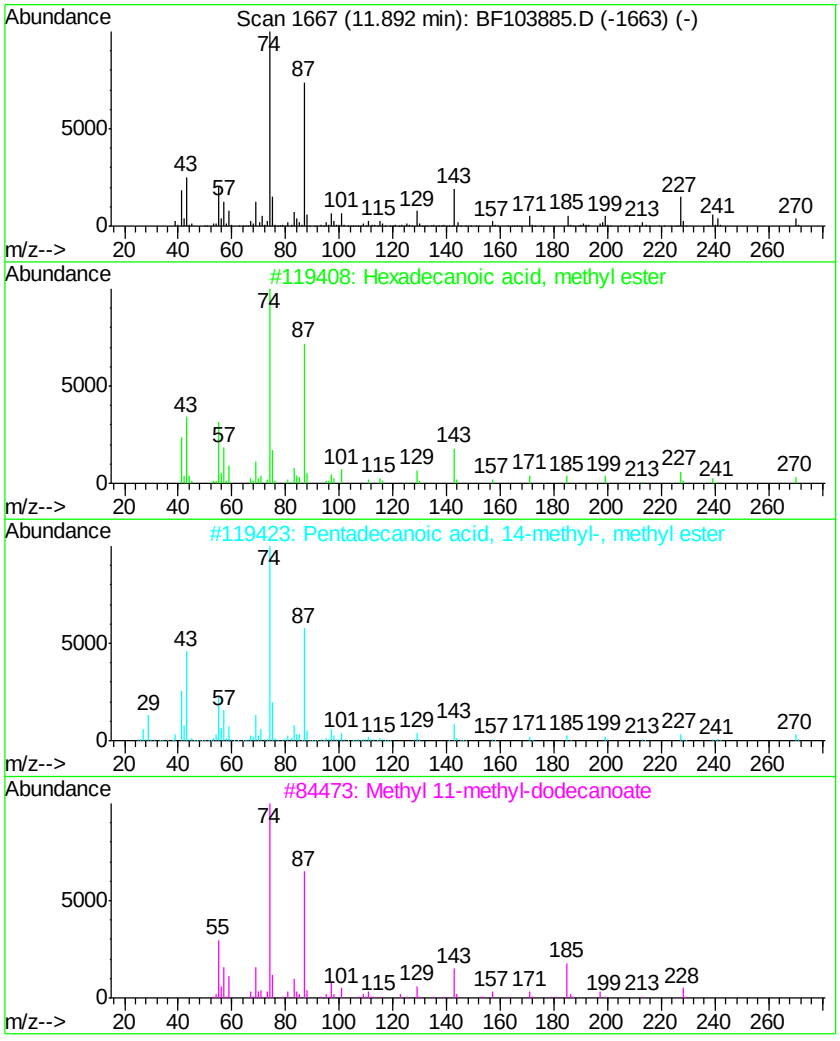
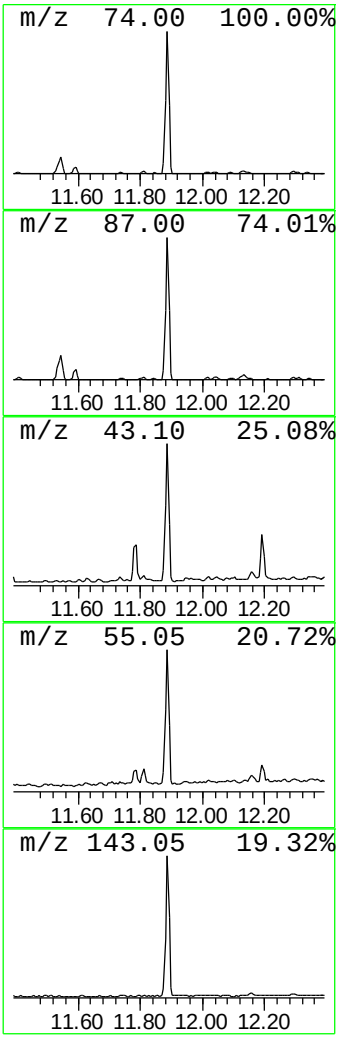
Peak Number 8 Hexadecanoic acid, methyl e... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	28.69 ng	1152240	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	92
3	Methyl 11-methyl-dodecanoate	228	C14H28O2	1000336-45-1	91
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	83





Library Search Compound Report

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Operator : JU/SJ
Sample : J1998-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-109(2-3)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

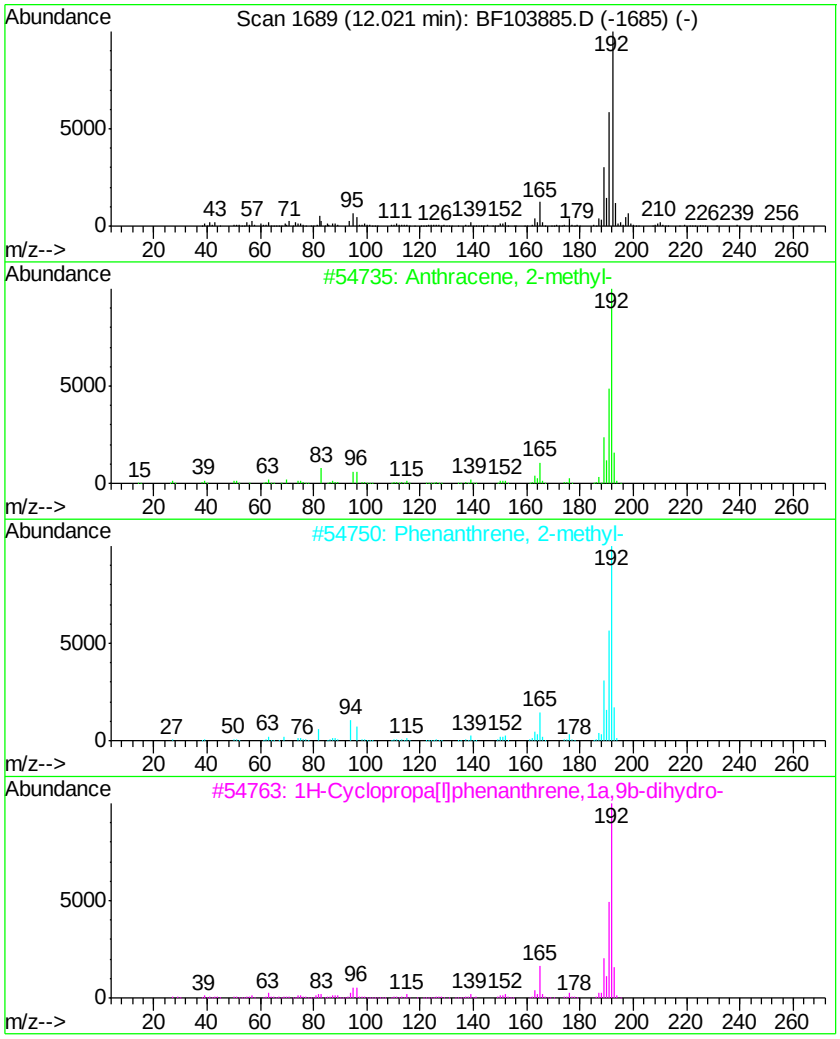
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

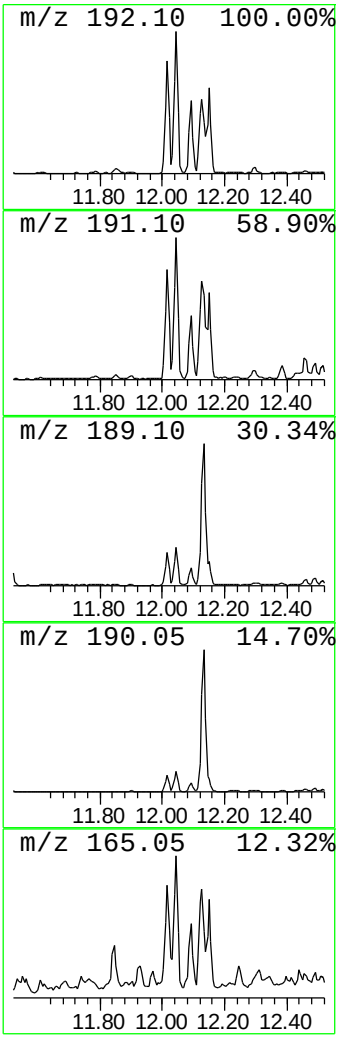
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	14.27 ng	573187	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Library Search Compound Report

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Acq On : 23 Mar 2018 17:27
Operator : JU/SJ
Sample : J1998-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-109(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	18.41 ng	739597	Phenanthrene-d10	11.52

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
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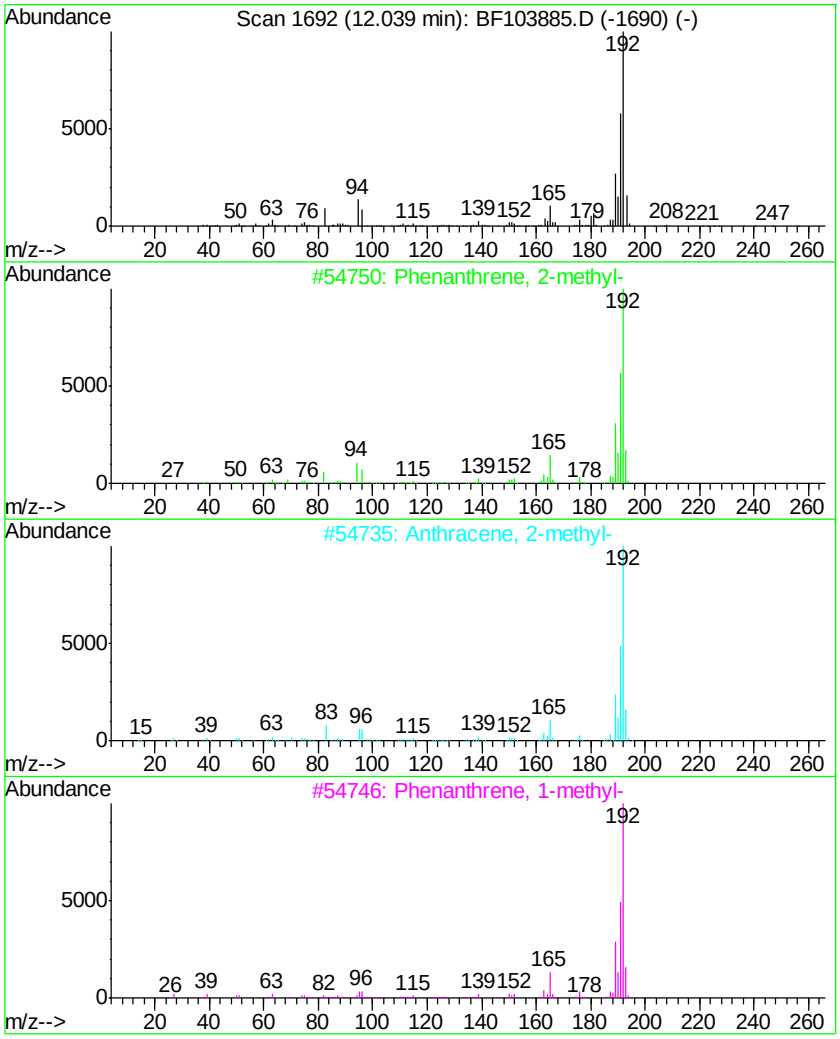

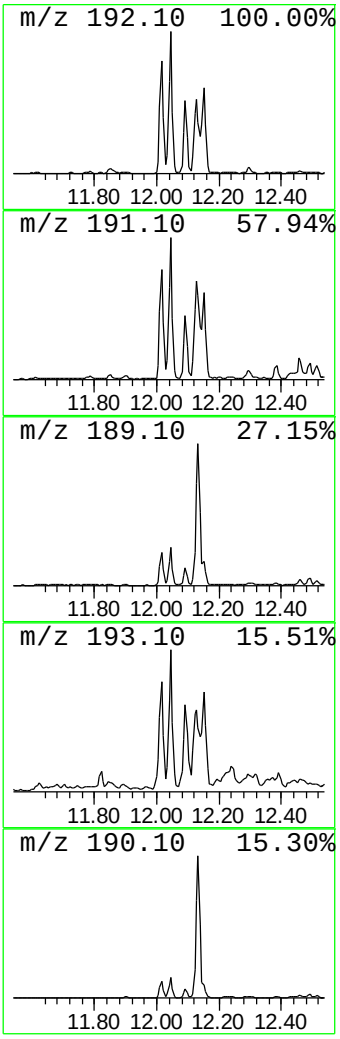

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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : SB-109(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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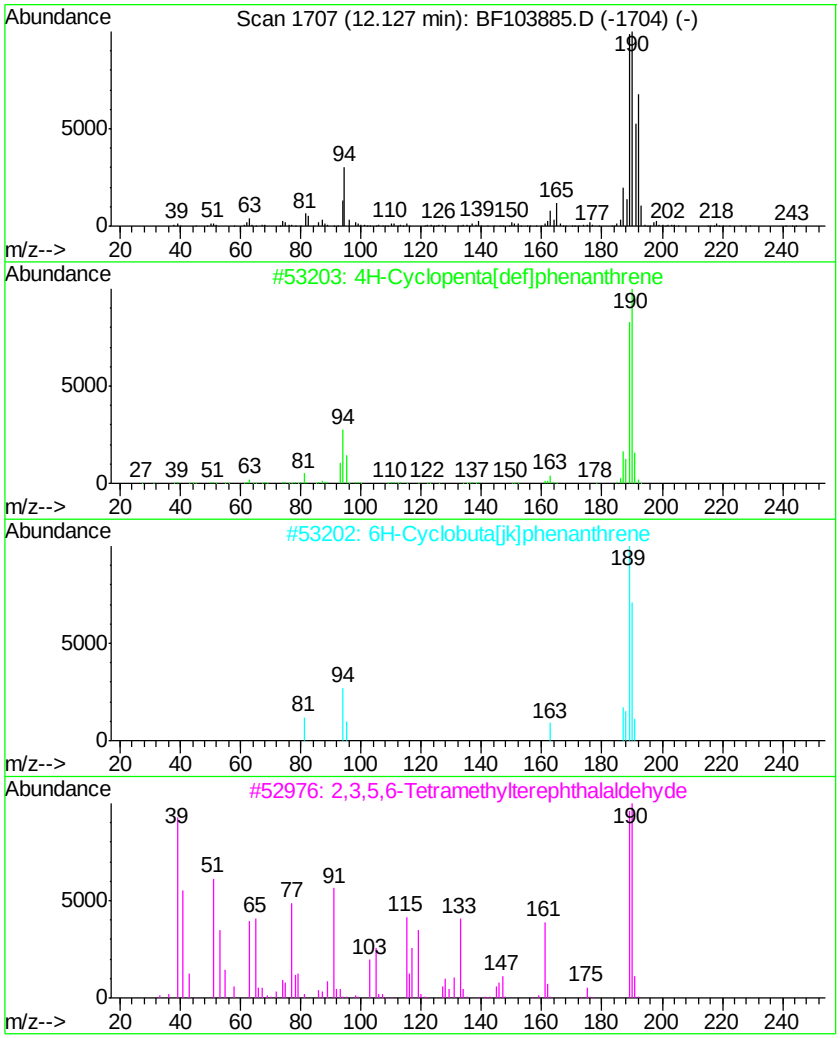
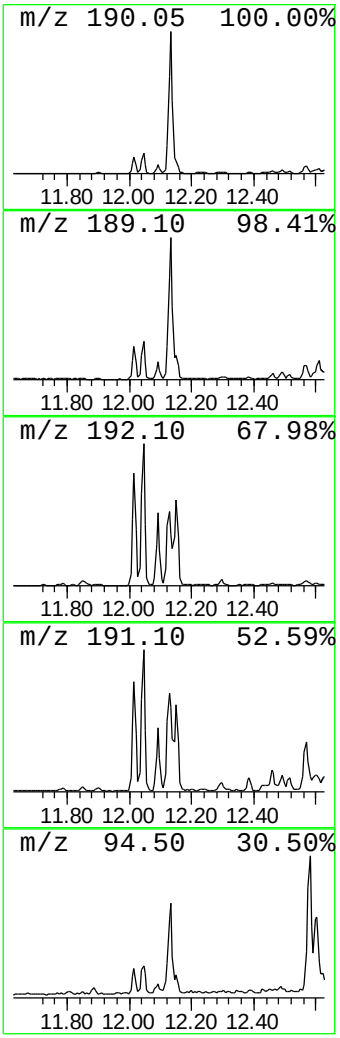
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	33.10 ng	1329610	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Methyl diselenide	190	C2H6Se2	007101-31-7	43





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-109(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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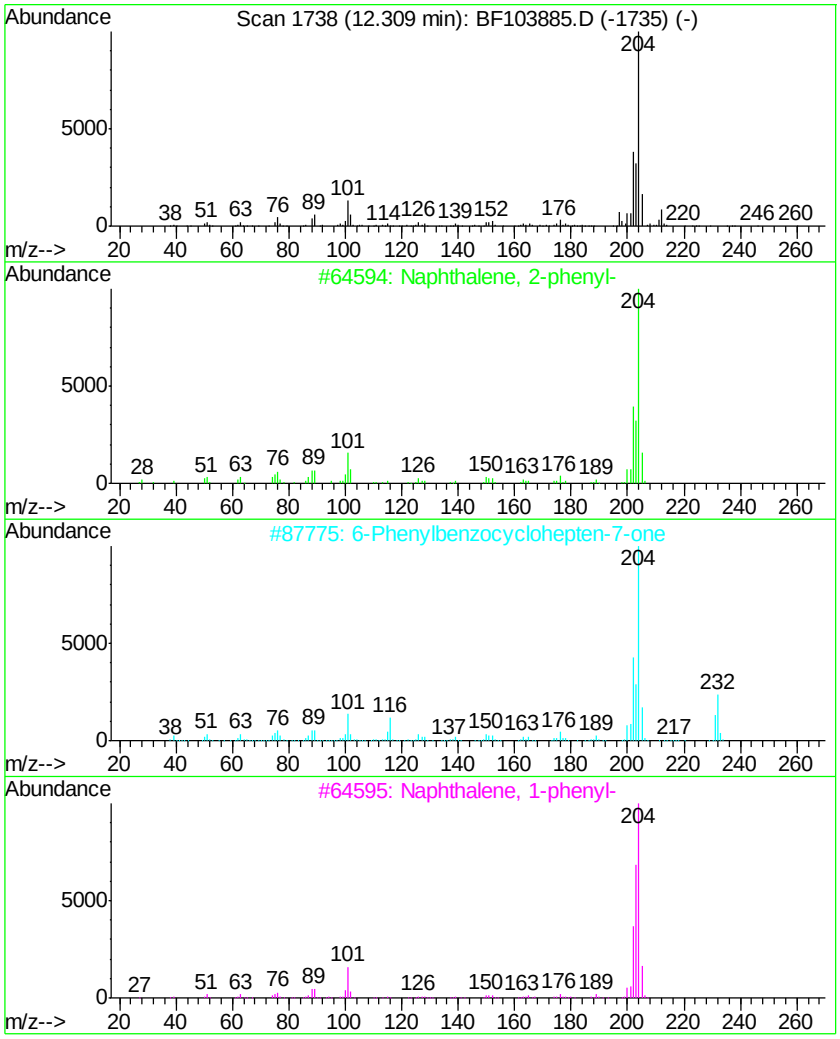
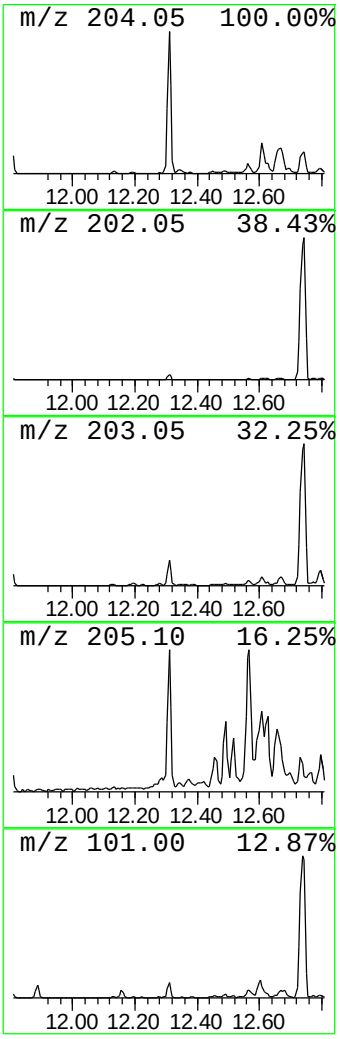
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	11.08 ng	444857	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-109(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

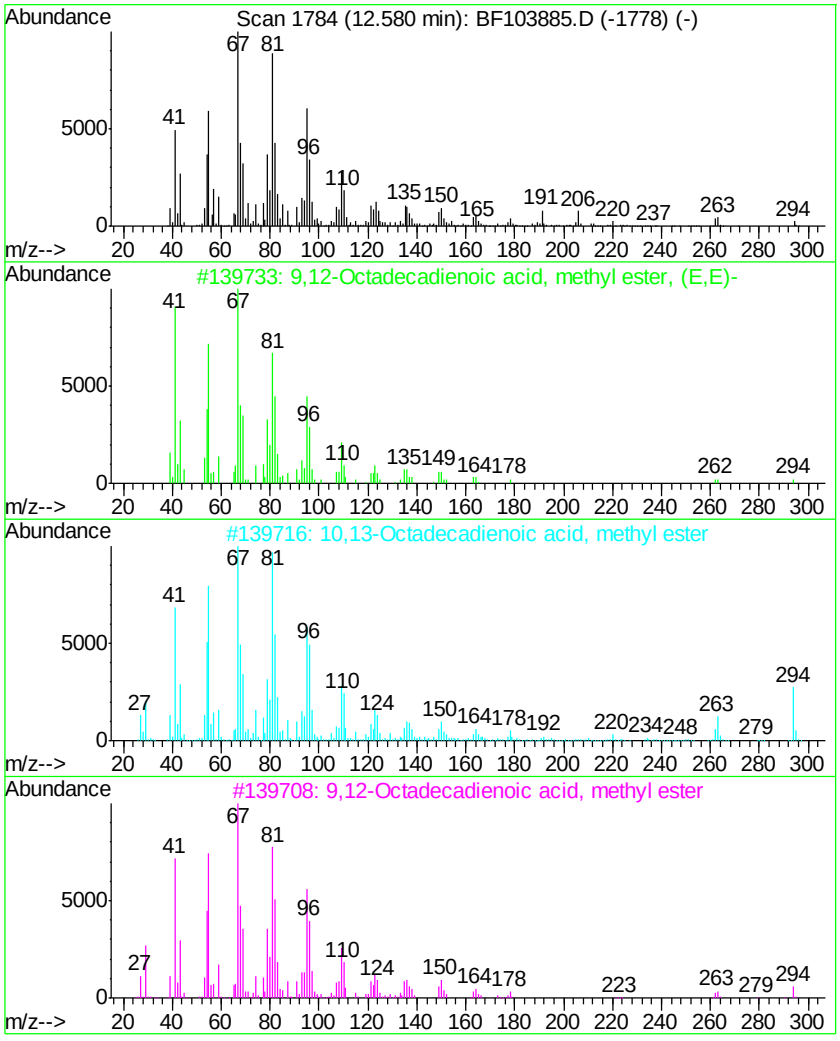
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

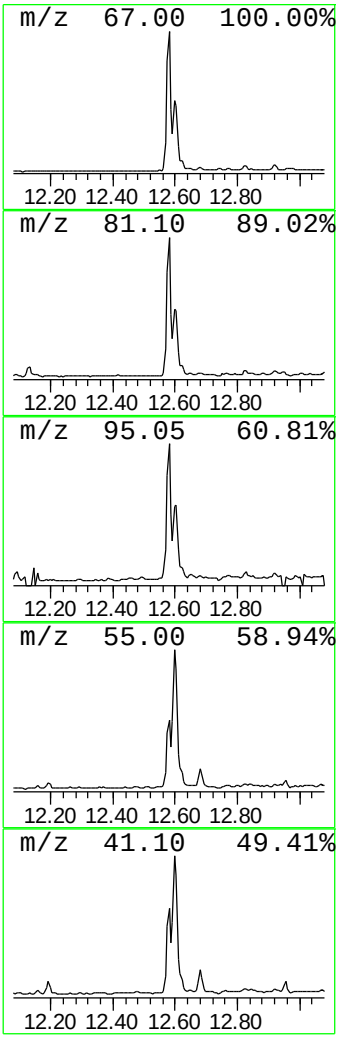
****

Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	55.57 ng	2232030	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
4	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99





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Instrument : BNA_F
ClientSampleId : SB-109(2-3)

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

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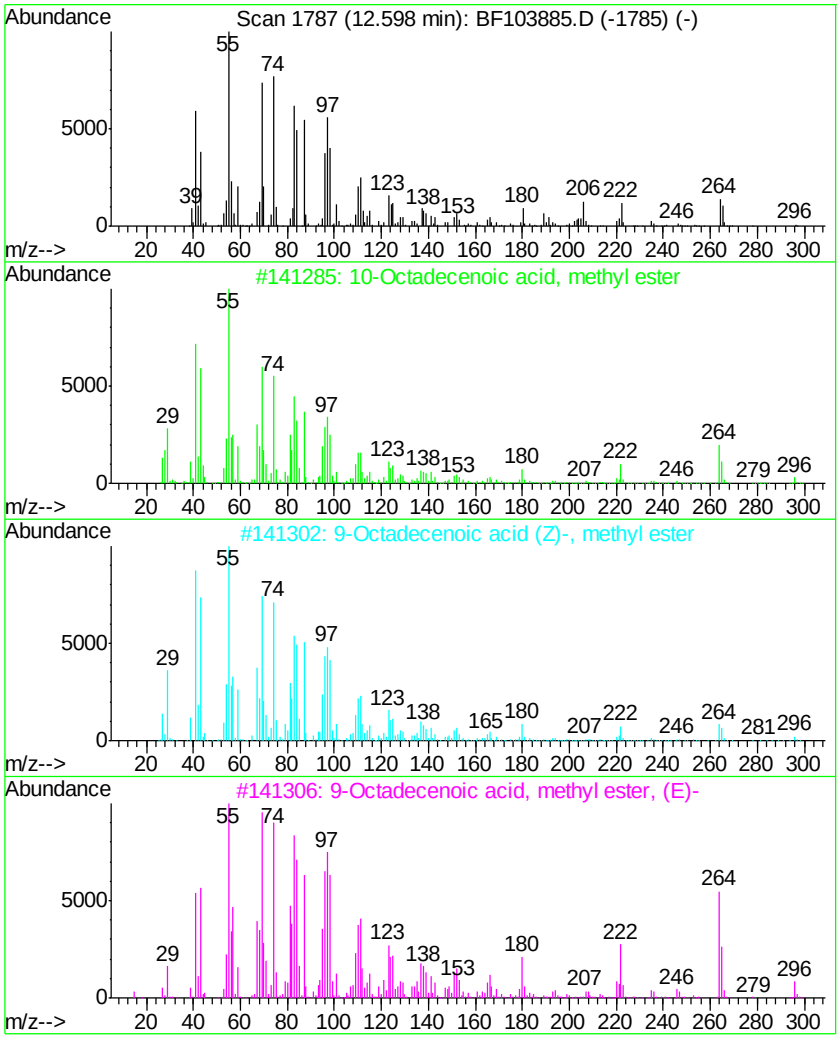
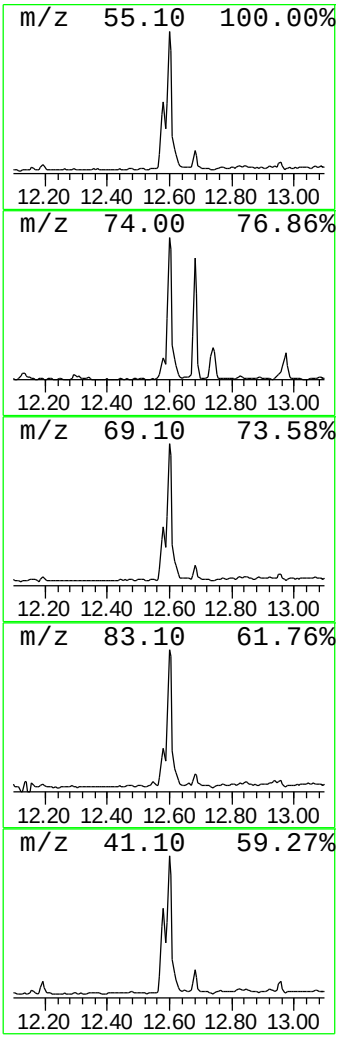
Peak Number 15 10-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	83.03 ng	3334820	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	95
2	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	93
3	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	91
4	8-Octadecenoic acid, methyl este...	296	C19H36O2	026528-50-7	87
5	cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-58-3	87





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TIC Library : C:\DATABASE\NIST11.L
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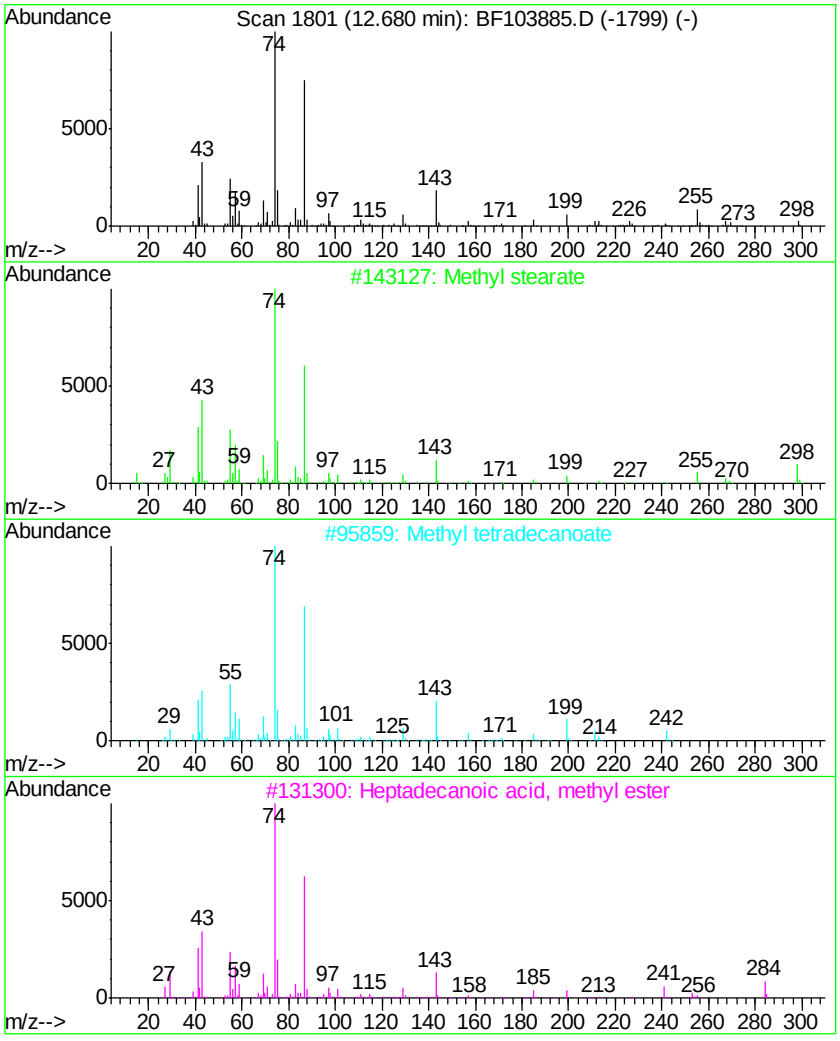
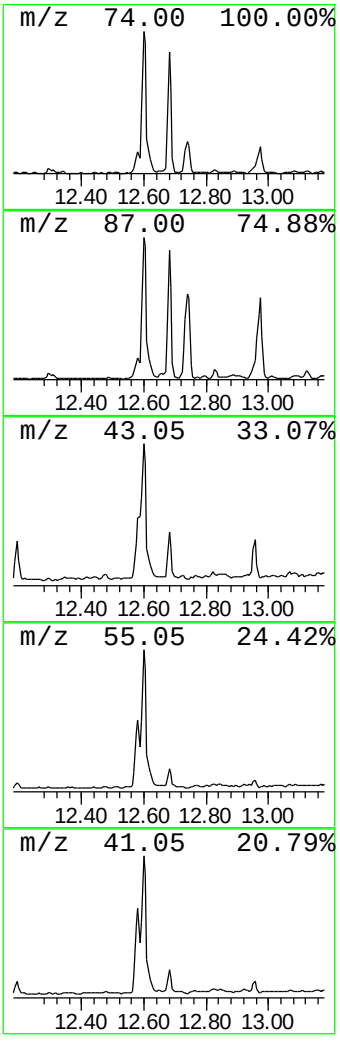
Peak Number 16 Methyl stearate Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	14.50 ng	582565	Phenanthrene-d10	11.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	94
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87
3	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	83
4	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83
5	Heptadecanoic acid, 16-methyl-, ...	298	C19H38O2	005129-61-3	78





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ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-109(2-3)

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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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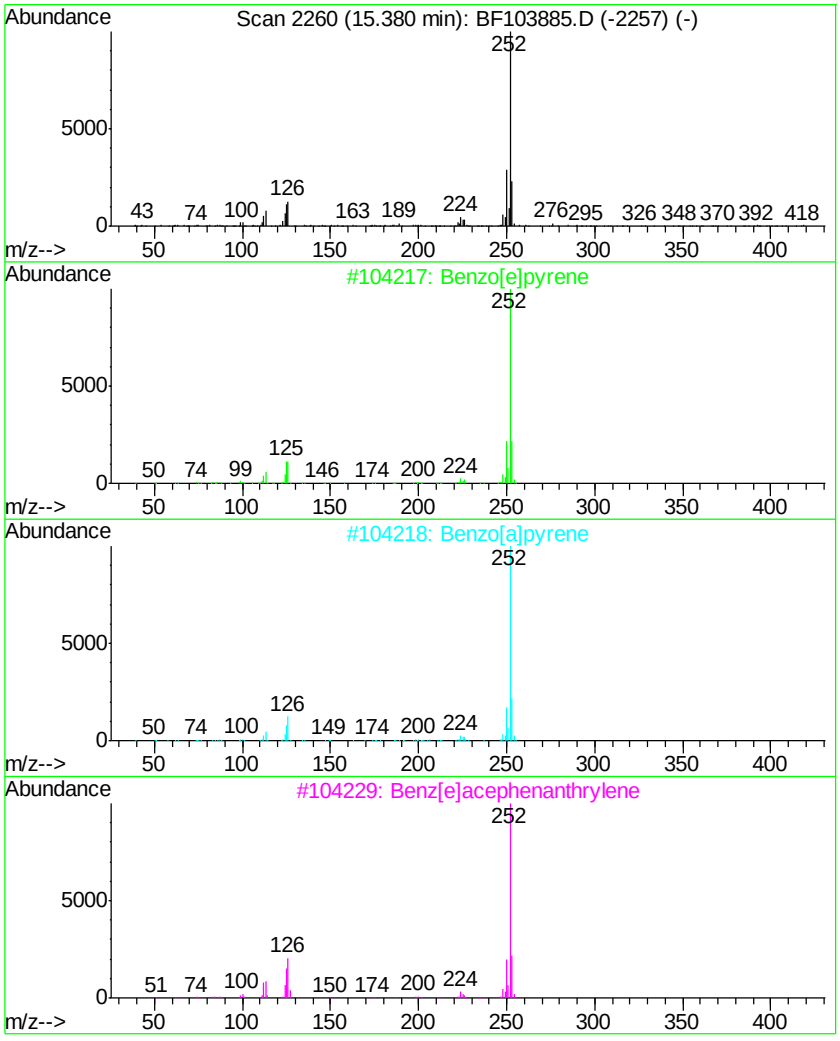
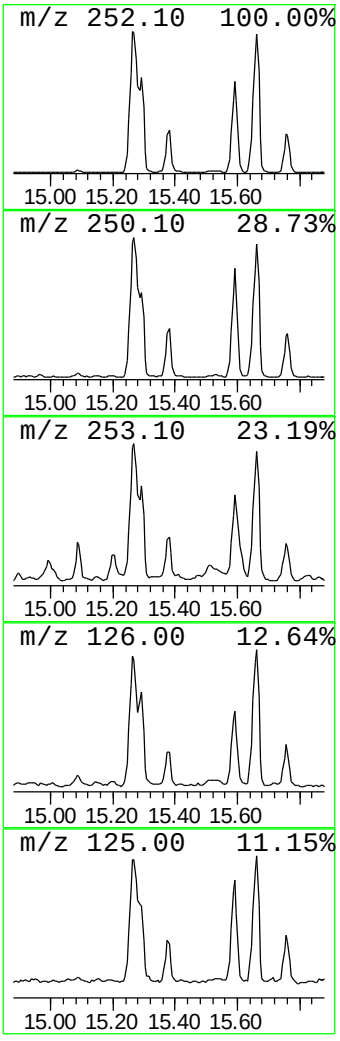
Peak Number 18 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	7.49 ng	279800	Perylene-d12	15.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
4	Perylene	252	C20H12	000198-55-0	87
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-109(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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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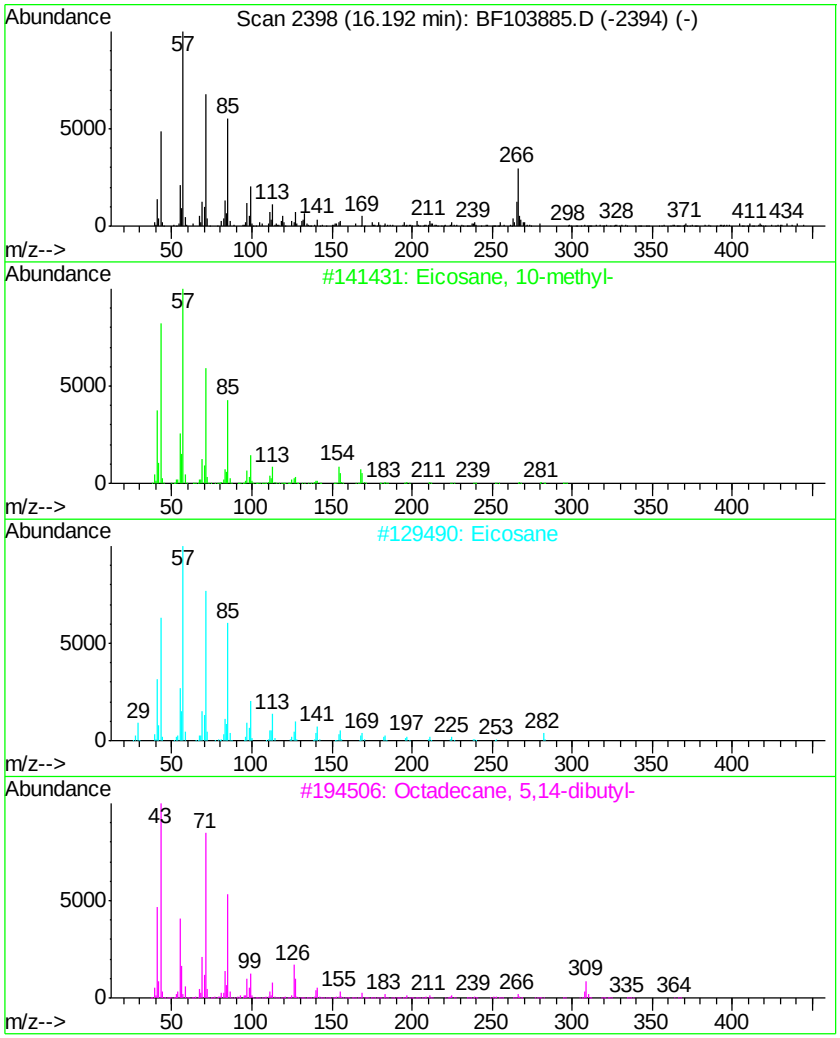
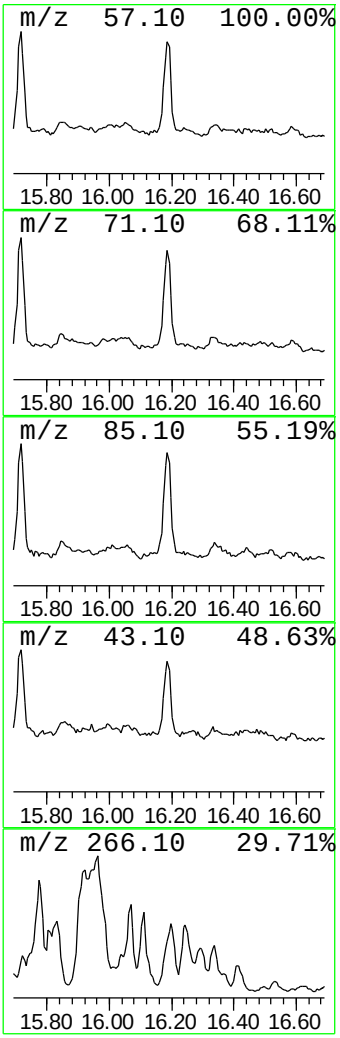
Peak Number 20 Eicosane, 10-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	10.48 ng	391633	Perylene-d12	15.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	80
2	Eicosane	282	C20H42	000112-95-8	80
3	Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	78
4	Nonadecane	268	C19H40	000629-92-5	72
5	Heneicosane	296	C21H44	000629-94-7	64





Tentatively Identified Compound (LSC) summary

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Data File : BF103885.D
Acq On : 23 Mar 2018 17:27
Operator : JU/SJ
Sample : J1998-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-109(2-3)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.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
unknown6.75	6.75	39.3	ng	1658440	1	6.97	844958	20.0
Naphthalene, 2-me...	9.07	7.6	ng	402198	2	8.26	1059240	20.0
Heptadecane	10.90	8.5	ng	340828	4	11.52	803274	20.0
9H-Fluorene, 1-me...	11.12	6.7	ng	267436	4	11.52	803274	20.0
Dibenzothiophene	11.41	10.4	ng	416319	4	11.52	803274	20.0
1-Methyldibenzoth...	11.84	6.2	ng	250598	4	11.52	803274	20.0
Hexadecanoic acid...	11.89	28.7	ng	1152240	4	11.52	803274	20.0
Anthracene, 2-met...	12.02	14.3	ng	573187	4	11.52	803274	20.0
Phenanthrene, 2-m...	12.04	18.4	ng	739597	4	11.52	803274	20.0
4H-Cyclopenta[def...	12.13	33.1	ng	1329610	4	11.52	803274	20.0
Naphthalene, 2-ph...	12.31	11.1	ng	444857	4	11.52	803274	20.0
9,12-Octadecadien...	12.58	55.6	ng	2232030	4	11.52	803274	20.0
10-Octadecenoic a...	12.60	83.0	ng	3334820	4	11.52	803274	20.0
Methyl stearate	12.68	14.5	ng	582565	4	11.52	803274	20.0
Benzo[e]pyrene	15.38	7.5	ng	279800	6	15.73	747052	20.0
Eicosane, 10-methyl-	16.19	10.5	ng	391633	6	15.73	747052	20.0