LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101341.D
Acq On : 12 Dec 2017 20:26
Operator : SJ/JU
Sample : I6822-09 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

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-BF113017.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	5.028	498	500	509	rBV	24747	32192	4.08%	0.265%
2	5.440	567	570	583	rBV	418646	423901	53.72%	3.492%
3	6.457	740	743	756	rBV	493980	466465	59.11%	3.842%
4	6.592	762	766	770	rBV	591425	481140	60.97%	3.963%
5	6.822	802	805	812	rBB	292427	237493	30.10%	1.956%
6	6.975	828	831	843	rVB	462549	392359	49.72%	3.232%
7	7.387	897	901	912	rBV	328878	294418	37.31%	2.425%
8	8.104	1020	1023	1026	rBV	368128	295130	37.40%	2.431%
9	9.175	1202	1205	1209	rBV	649982	549243	69.60%	4.524%
10	9.251	1215	1218	1221	rVB	15664	12656	1.60%	0.104%
11	9.516	1259	1263	1266	rBV	15654	16161	2.05%	0.133%
12	9.569	1270	1272	1278	rVB	62265	58184	7.37%	0.479%
13	9.722	1295	1298	1302	rBV	20242	16696	2.12%	0.138%
14	9.781	1304	1308	1312	rBB	22489	18173	2.30%	0.150%
15	9.863	1318	1322	1325	rBV	356590	295599	37.46%	2.435%
16	9.892	1325	1327	1331	rVB	55090	41084	5.21%	0.338%
17	10.069	1353	1357	1360	rVV2	23755	22587	2.86%	0.186%
18	10.280	1386	1393	1396	rBV3	29855	30820	3.91%	0.254%
19	10.410	1411	1415	1420	rVB2	39897	37793	4.79%	0.311%
20	10.569	1439	1442	1447	rVB	13276	13701	1.74%	0.113%
21	10.657	1453	1457	1463	rBV	272753	265808	33.68%	2.189%
22	10.757	1470	1474	1478	rBV2	25922	38126	4.83%	0.314%
23	10.957	1502	1508	1511	rBV4	13283	21090	2.67%	0.174%
24	11.086	1525	1530	1532	rBV2	12649	15500	1.96%	0.128%
25	11.110	1532	1534	1539	rVV3	11536	14127	1.79%	0.116%
26	11.163	1539	1543	1546	rVV	19788	18733	2.37%	0.154%
27	11.204	1546	1550	1553	rVV2	29615	33242	4.21%	0.274%
28	11.251	1556	1558	1562	rVB	26514	22130	2.80%	0.182%
29	11.351	1572	1575	1577	rBV	299301	286324	36.28%	2.358%
30	11.380	1577	1580	1583	rVV	493121	401308	50.86%	3.306%
31	11.427	1583	1588	1591	rVV	100827	94761	12.01%	0.781%
32	11.469	1591	1595	1600	rVB3	11472	14422	1.83%	0.119%
33	11.586	1610	1615	1620	rBV2	32661	42972	5.45%	0.354%
34	11.692	1629	1633	1636	rVB3	9848	14088	1.79%	0.116%

LSC Area Percent Report

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Acq On : 12 Dec 2017 20:26
Operator : SJ/JU
Sample : I6822-09 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

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-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.857	1657	1661	1663	rBV	72298	61464	7.79%	0.506%
36	11.886	1663	1666	1670	rVV	91259	79378	10.06%	0.654%
37	11.933	1671	1674	1677	rVV	35749	27797	3.52%	0.229%
38	11.969	1677	1680	1682	rVV	103599	105183	13.33%	0.866%
39	11.992	1682	1684	1689	rVB	50271	42077	5.33%	0.347%
40	12.039	1689	1692	1694	rBV	16582	14539	1.84%	0.120%
41	12.151	1708	1711	1715	rVB	51610	44880	5.69%	0.370%
42	12.186	1715	1717	1721	rVB	33900	29614	3.75%	0.244%
43	12.298	1732	1736	1739	rBV2	19527	24481	3.10%	0.202%
44	12.333	1739	1742	1744	rVV	21816	18524	2.35%	0.153%
45	12.404	1751	1754	1757	rBV	54751	57426	7.28%	0.473%
46	12.445	1757	1761	1763	rVV2	31812	42262	5.36%	0.348%
47	12.504	1766	1771	1774	rBV3	34280	44260	5.61%	0.365%
48	12.574	1779	1783	1786	rBV	772775	652602	82.70%	5.375%
49	12.633	1791	1793	1797	rVB	21137	19070	2.42%	0.157%
50	12.669	1797	1799	1802	rBV	15743	12660	1.60%	0.104%
51	12.721	1802	1808	1810	rBV3	29262	33919	4.30%	0.279%
52	12.804	1815	1822	1828	rBV	675110	756737	95.90%	6.233%
53	12.851	1828	1830	1834	rVV3	39706	42049	5.33%	0.346%
54	12.939	1837	1845	1847	rVV	543511	500905	63.48%	4.126%
55	12.969	1847	1850	1853	rVB	36604	38425	4.87%	0.317%
56	13.016	1853	1858	1863	rBV3	51089	93916	11.90%	0.774%
57	13.110	1870	1874	1875	rBV2	45103	55935	7.09%	0.461%
58	13.133	1875	1878	1880	rVB	79714	81475	10.32%	0.671%
59	13.198	1886	1889	1891	rBV	62181	47283	5.99%	0.389%
60	13.233	1891	1895	1898	rVV2	69247	87386	11.07%	0.720%
61	13.286	1902	1904	1908	rVV2	12942	13580	1.72%	0.112%
62	13.327	1908	1911	1914	rVV	47050	43055	5.46%	0.355%
63	13.363	1914	1917	1924	rVB2	49869	63582	8.06%	0.524%
64	13.445	1929	1931	1935	rVB5	15210	15262	1.93%	0.126%
65	13.557	1947	1950	1952	rVB3	19252	16094	2.04%	0.133%
66	13.616	1957	1960	1962	rBV3	20626	23316	2.95%	0.192%
67	13.645	1962	1965	1968	rVB	60368	52381	6.64%	0.431%
68	13.757	1979	1984	1986	rBV	64184	72682	9.21%	0.599%
69	13.780	1986	1988	1990	rVB	63247	47997	6.08%	0.395%
70	13.804	1990	1992	1994	rBV	45747	50788	6.44%	0.418%
71	13.827	1994	1996	1999	rVB3	47288	41720	5.29%	0.344%

LSC Area Percent Report

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

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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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.857	1999	2001	2005	rVB	58447	48355	6.13%	0.398%
73	13.921	2007	2012	2015	rBV2	20655	38920	4.93%	0.321%
74	14.004	2017	2026	2029	rBV2	492655	789105	100.00%	6.500%
75	14.033	2029	2031	2034	rVV	360738	271779	34.44%	2.239%
76	14.092	2038	2041	2042	rBV3	15547	12611	1.60%	0.104%
77	14.110	2042	2044	2047	rBV	62226	54934	6.96%	0.452%
78	14.233	2061	2065	2068	rVB2	33523	42452	5.38%	0.350%
79	14.321	2078	2080	2083	rVB3	14576	13203	1.67%	0.109%
80	14.357	2083	2086	2088	rBV	33143	37641	4.77%	0.310%
81	14.392	2089	2092	2094	rVB	75992	62141	7.87%	0.512%
82	14.427	2095	2098	2100	rBV	29876	26300	3.33%	0.217%
83	14.492	2107	2109	2111	rVB	16873	13252	1.68%	0.109%
84	14.521	2111	2114	2115	rBV	36470	33223	4.21%	0.274%
85	14.539	2115	2117	2120	rVB3	34598	30597	3.88%	0.252%
86	14.639	2132	2134	2141	rVB5	24343	38293	4.85%	0.315%
87	14.715	2144	2147	2150	rBV4	27090	36028	4.57%	0.297%
88	14.892	2174	2177	2181	rVB2	47471	54863	6.95%	0.452%
89	15.057	2200	2205	2208	rBV	267047	425812	53.96%	3.507%
90	15.163	2220	2223	2227	rBV	68247	71720	9.09%	0.591%
91	15.357	2252	2256	2263	rVB	184538	230733	29.24%	1.901%
92	15.421	2263	2267	2271	rVV	252686	305458	38.71%	2.516%
93	15.486	2273	2278	2281	rVV	207306	266568	33.78%	2.196%
94	15.515	2281	2283	2289	rVB2	85985	105027	13.31%	0.865%
95	15.798	2329	2331	2335	rVB	20851	22024	2.79%	0.181%
96	16.974	2524	2531	2537	rVB	122609	242011	30.67%	1.993%
97	17.145	2555	2560	2565	rBV2	23169	47255	5.99%	0.389%
98	17.204	2565	2570	2575	rBV3	26100	50852	6.44%	0.419%
99	17.427	2602	2608	2618	rVB	92950	210419	26.67%	1.733%
100	17.668	2644	2649	2659	rVB3	32789	85609	10.85%	0.705%

Sum of corrected areas: 12140315

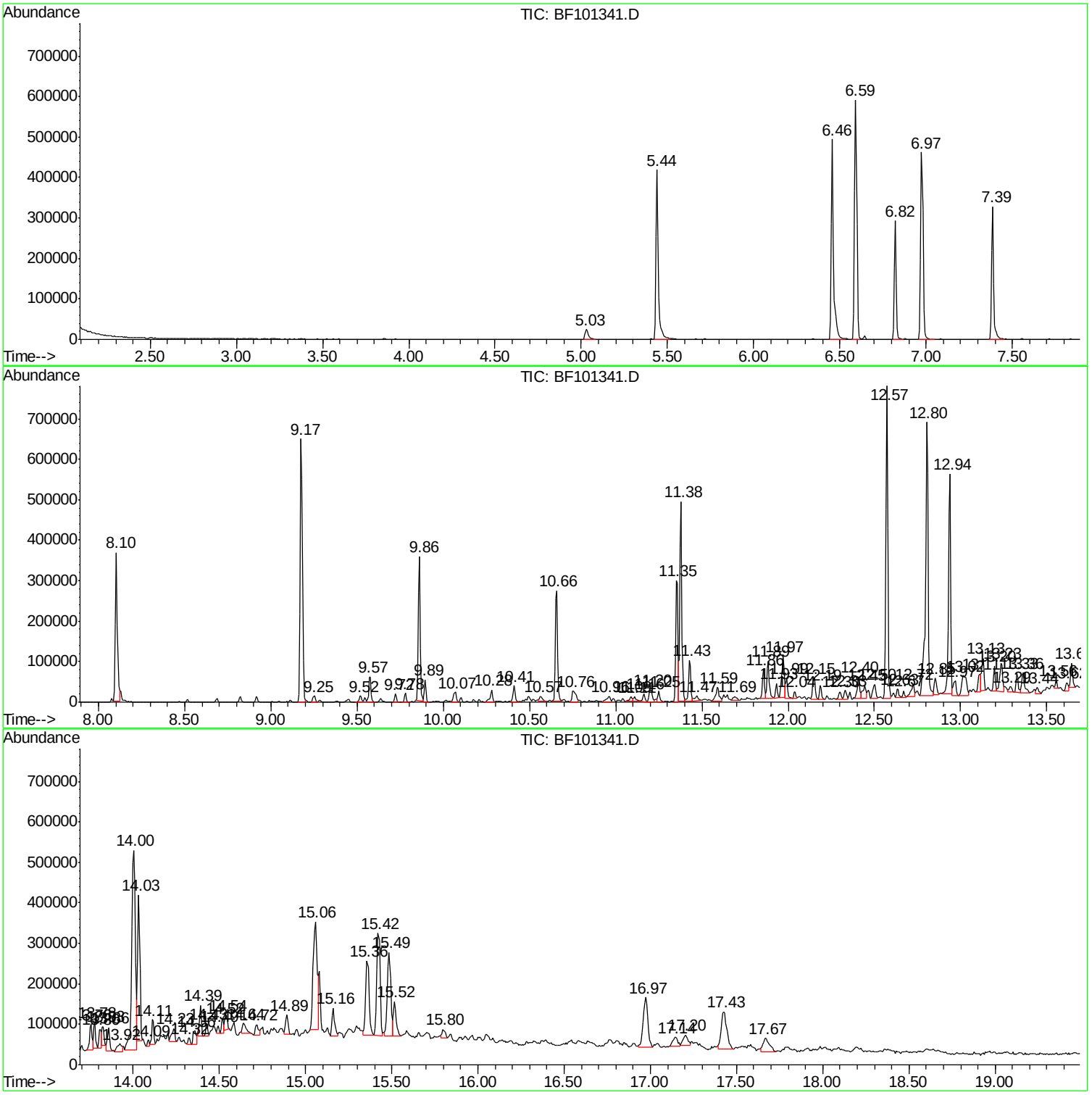
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101341.D
Acq On : 12 Dec 2017 20:26
Operator : SJ/JU
Sample : I6822-09 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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\BF121217\
Data File : BF101341.D
Acq On : 12 Dec 2017 20:26
Operator : SJ/JU
Sample : I6822-09 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

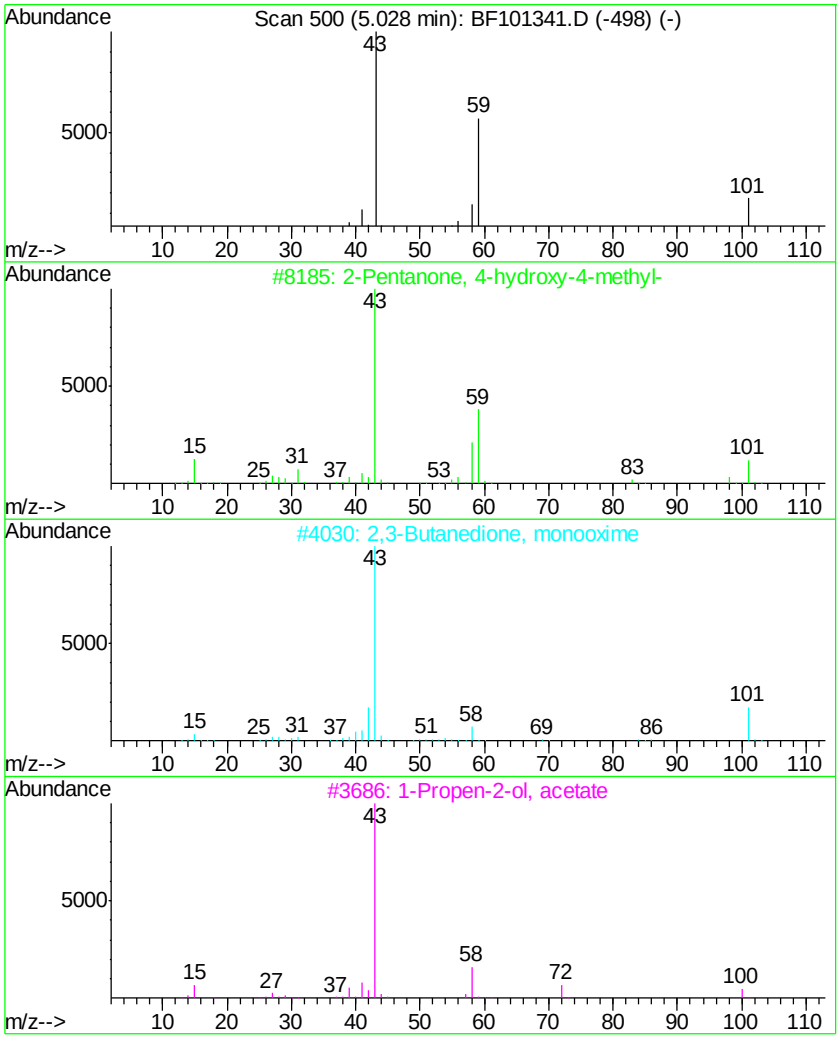
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

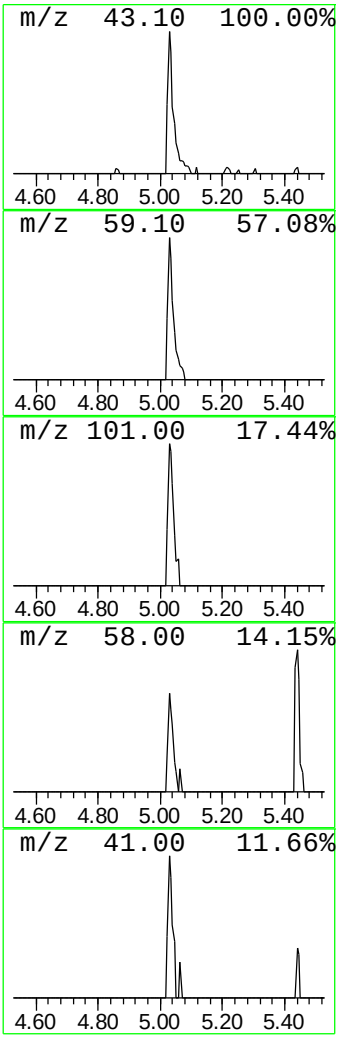
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	2.71 ng	32192	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9
5	3-Hexanol	102	C6H14O	000623-37-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101341.D
Acq On : 12 Dec 2017 20:26
Operator : SJ/JU
Sample : I6822-09 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

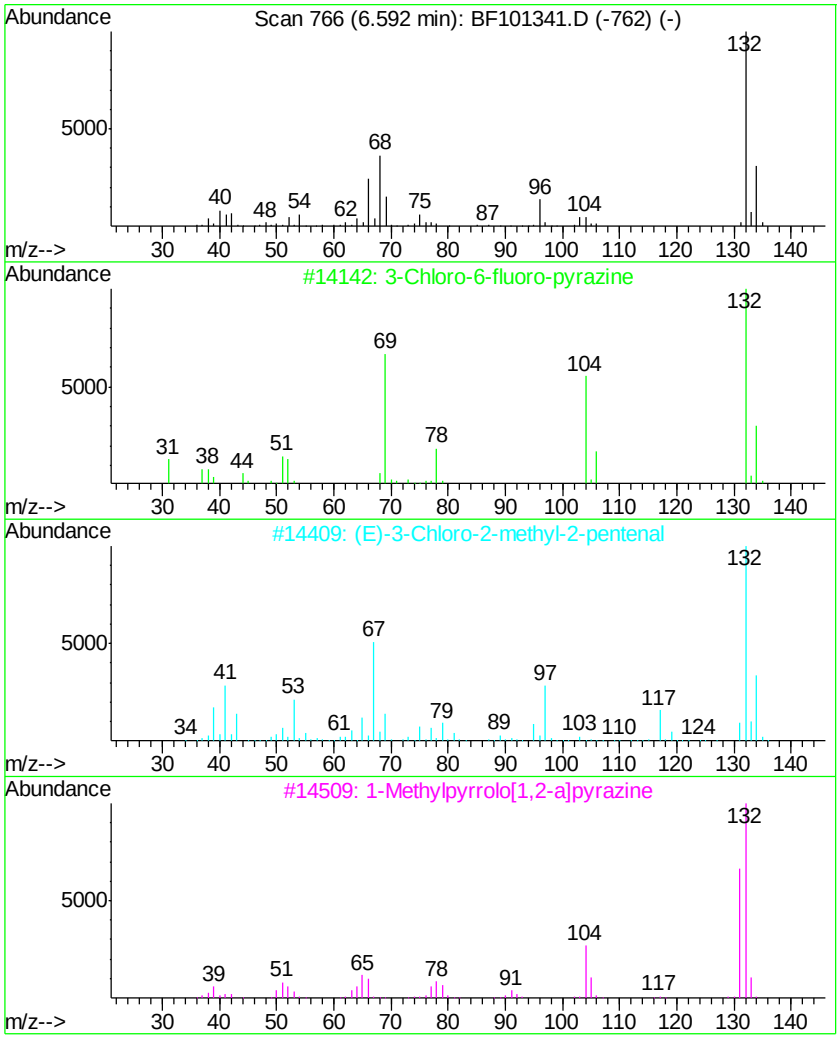
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

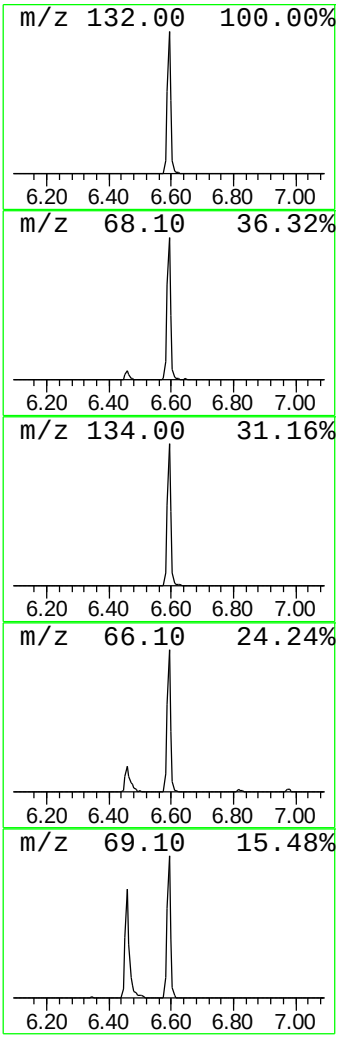
****

Peak Number 2 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	40.52 ng	481140	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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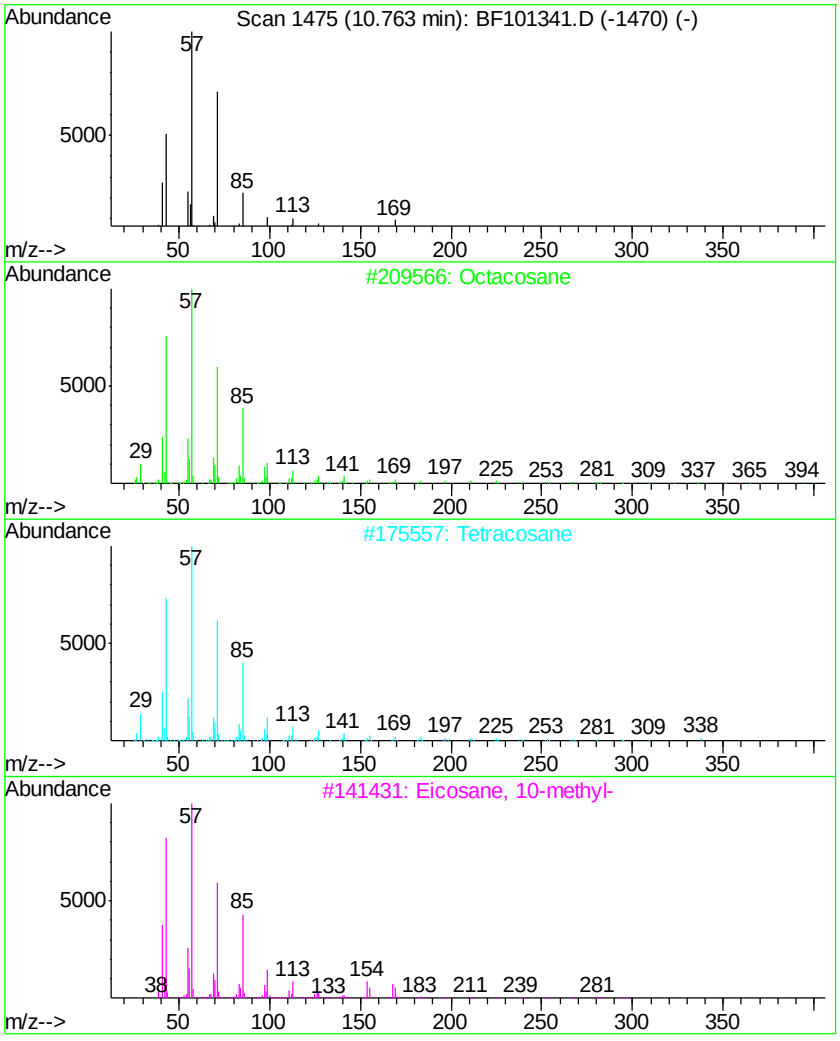
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

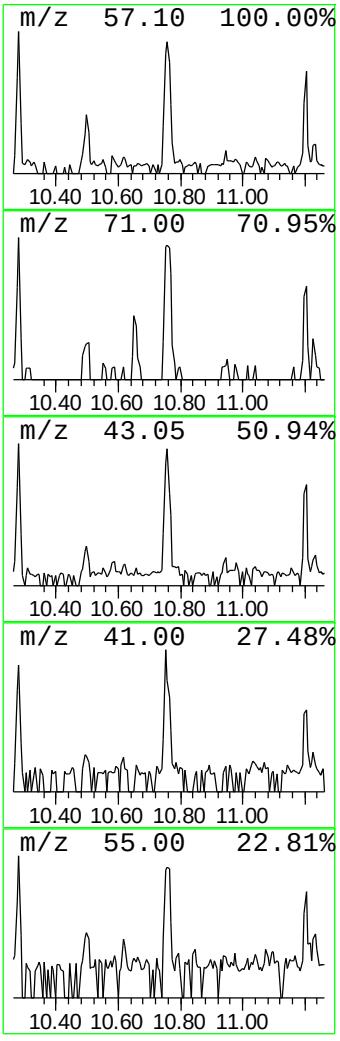
****

Peak Number 4 Octacosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	2.66 ng	38126	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	90
2	Tetracosane	338	C24H50	000646-31-1	86
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
4	Octadecane	254	C18H38	000593-45-3	78
5	Eicosane	282	C20H42	000112-95-8	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
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Operator : SJ/JU
Sample : I6822-09 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

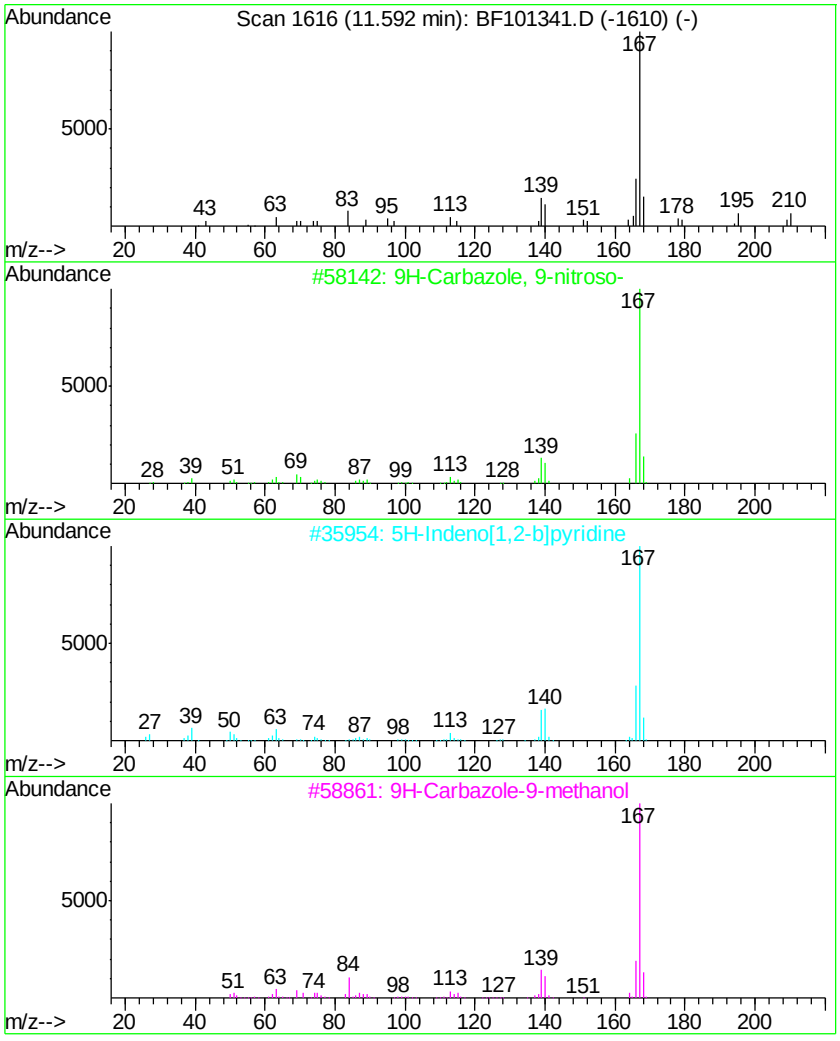
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

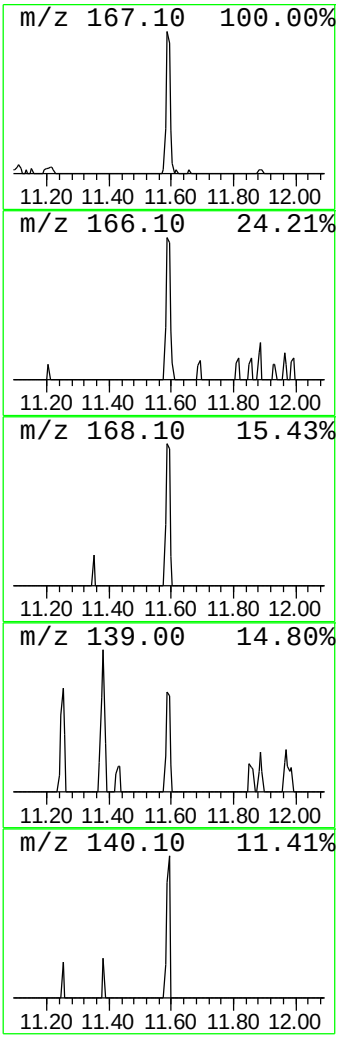
****

Peak Number 5 9H-Carbazole, 9-nitroso- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	3.00 ng	42972	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	86
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	80
3	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	78
4	Carbazole	167	C12H9N	000086-74-8	72
5	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101341.D
Acq On : 12 Dec 2017 20:26
Operator : SJ/JU
Sample : I6822-09 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

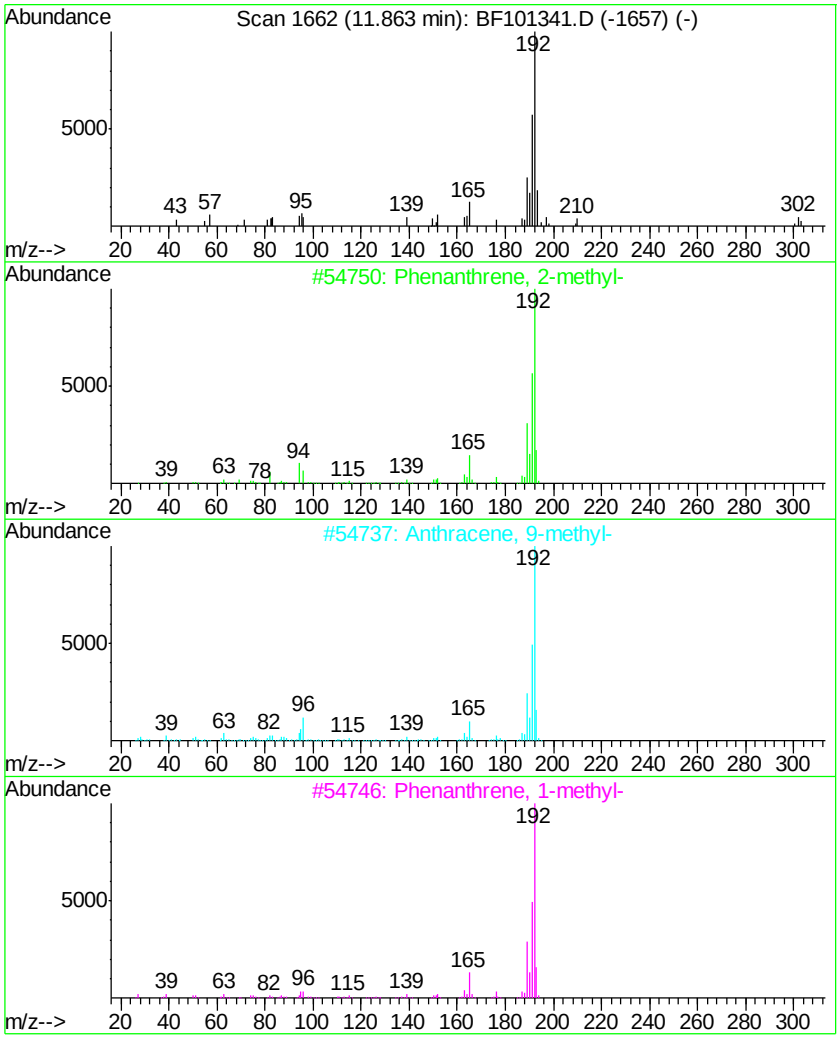
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

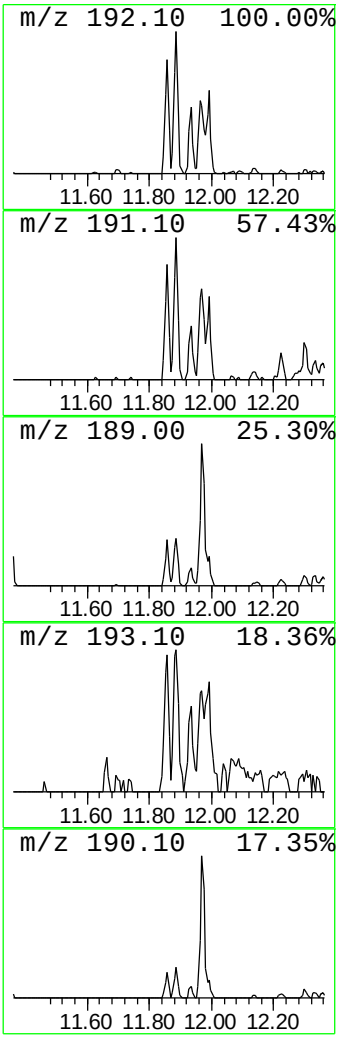
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.29 ng	61464	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101341.D
Acq On : 12 Dec 2017 20:26
Operator : SJ/JU
Sample : I6822-09 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

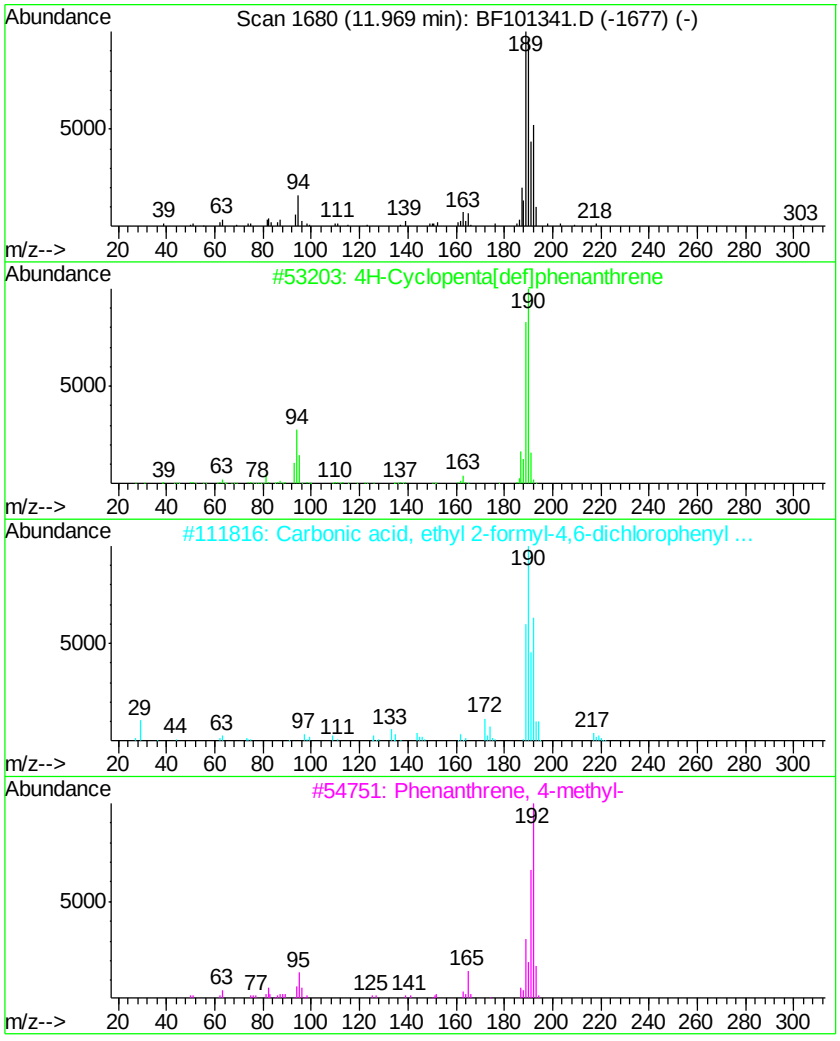
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

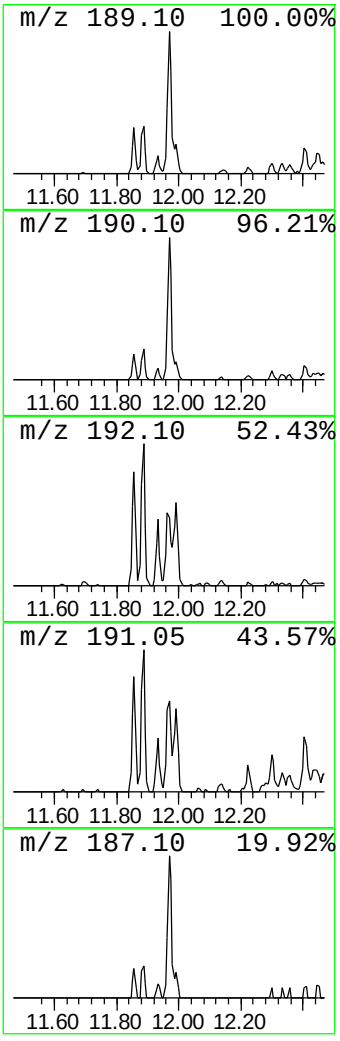
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	7.35 ng	105183	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	53
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	18
5	2-Hydroxy-4-methyl-6-(2-thienyl)...	192	C9H8N2OS	026963-45-1	18





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Operator : SJ/JU
Sample : I6822-09 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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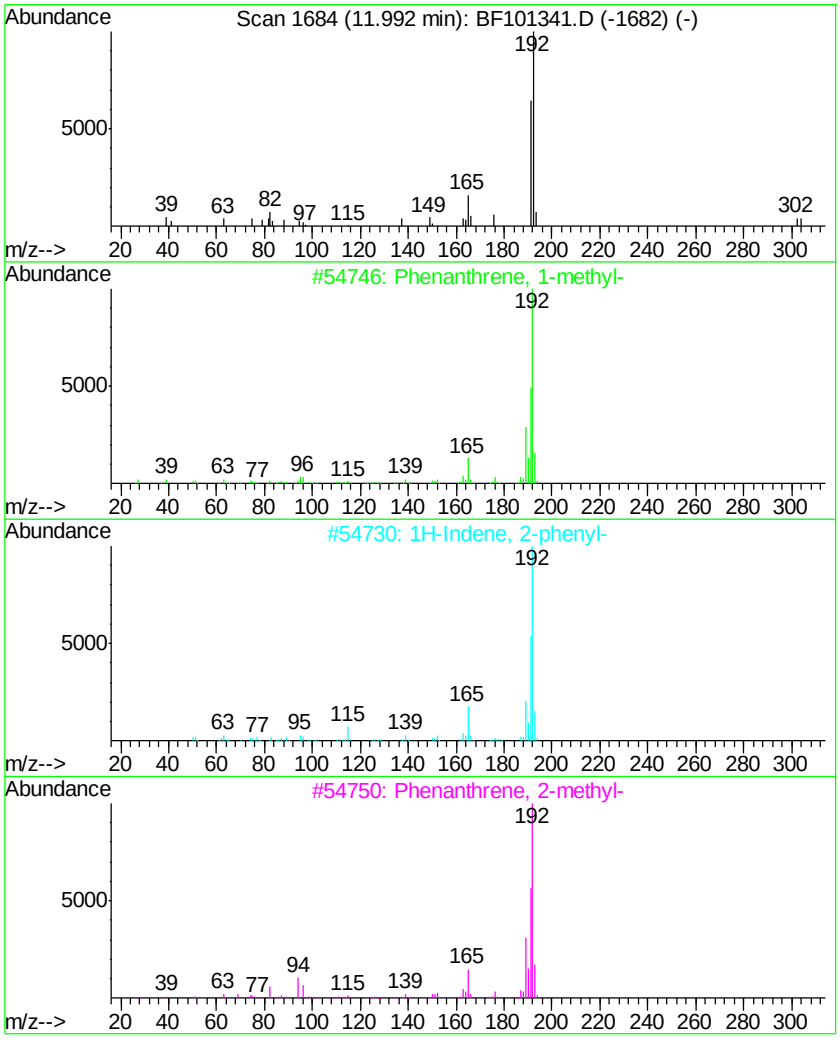
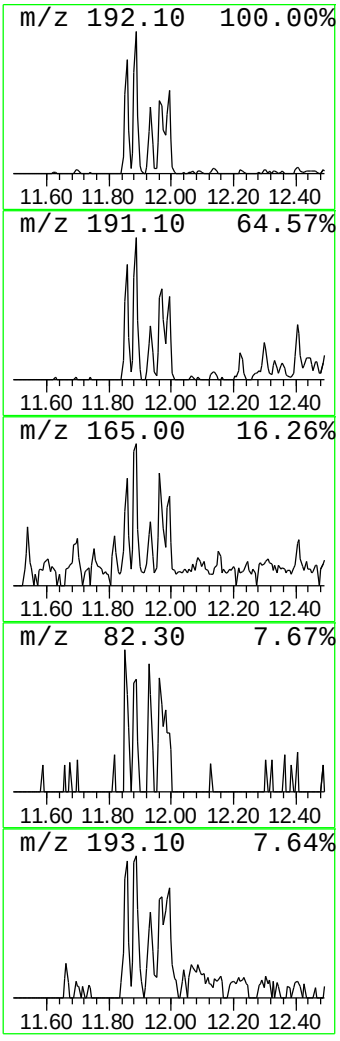
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	2.94 ng	42077	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	72





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Sample : I6822-09 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

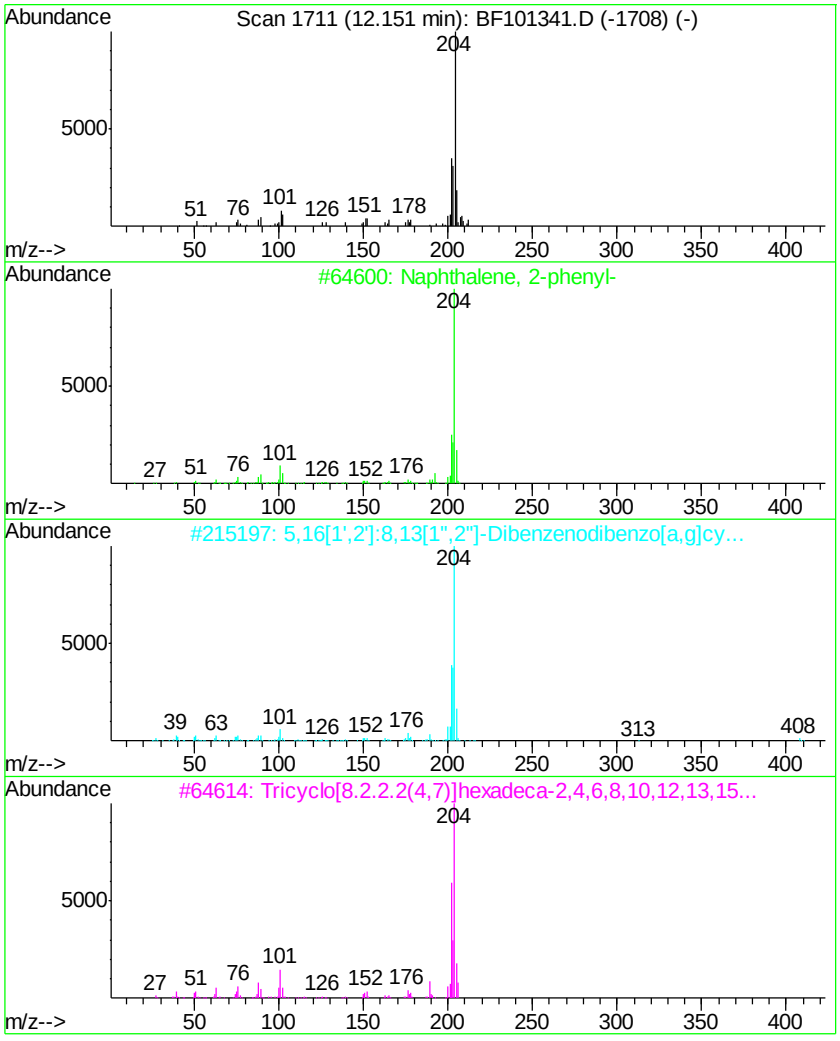
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

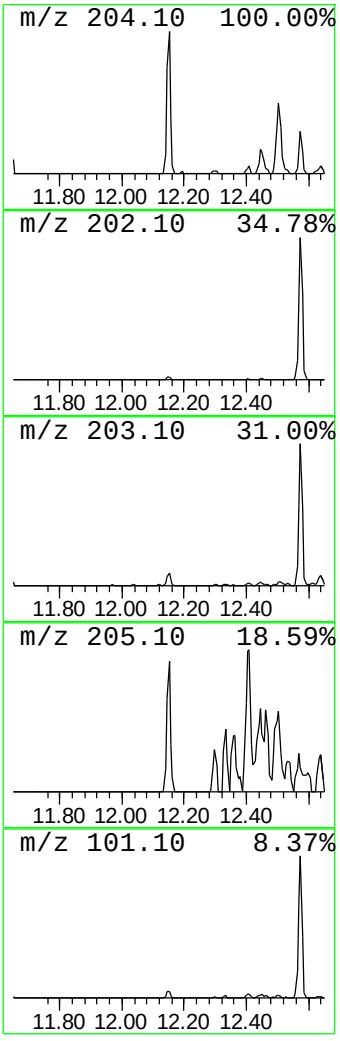
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	3.13 ng	44880	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	60
5	Levamisole	204	C11H12N2S	014769-73-4	53





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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TIC Integration Parameters: LSCINT.P

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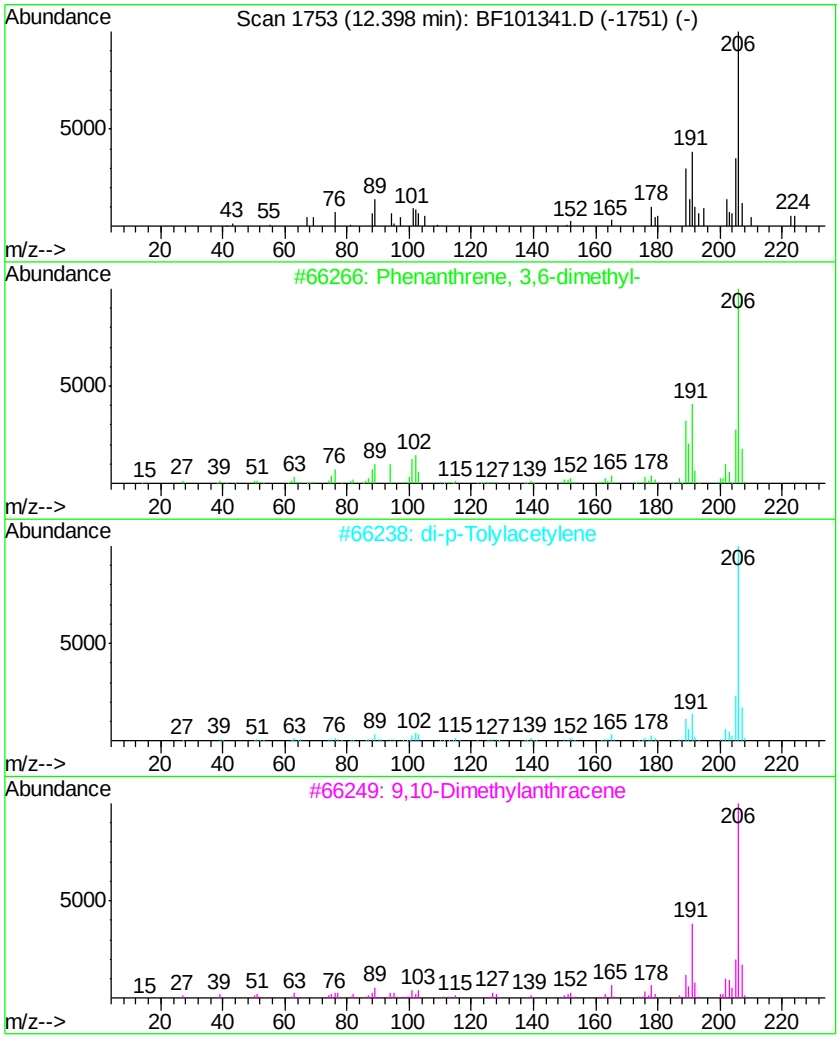
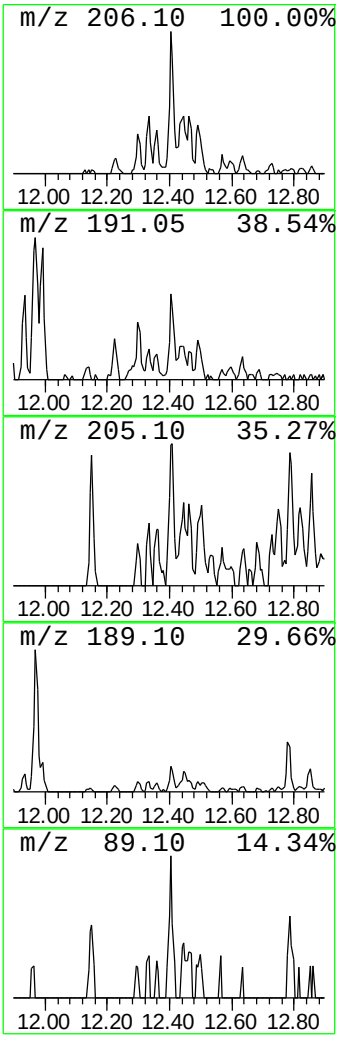
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	4.01 ng	57426	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87





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Operator : SJ/JU
Sample : I6822-09 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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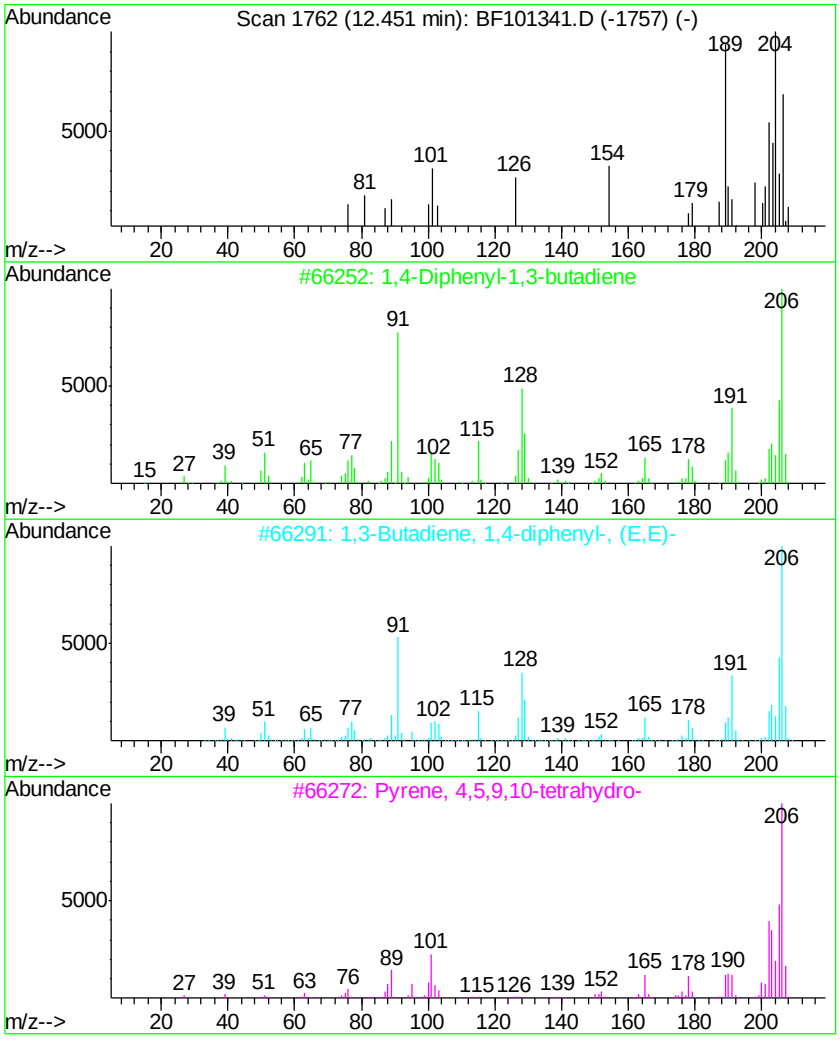
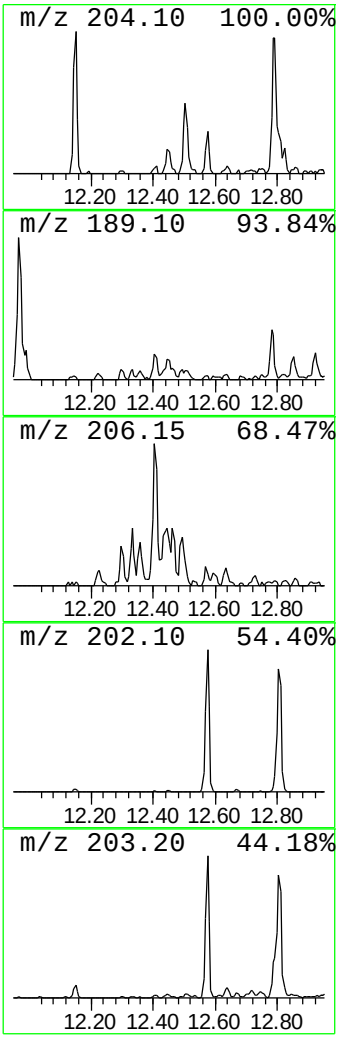
Peak Number 12 unknown12.45 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	2.95 ng	42262	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	38
2	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	30
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	30





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Sample : I6822-09 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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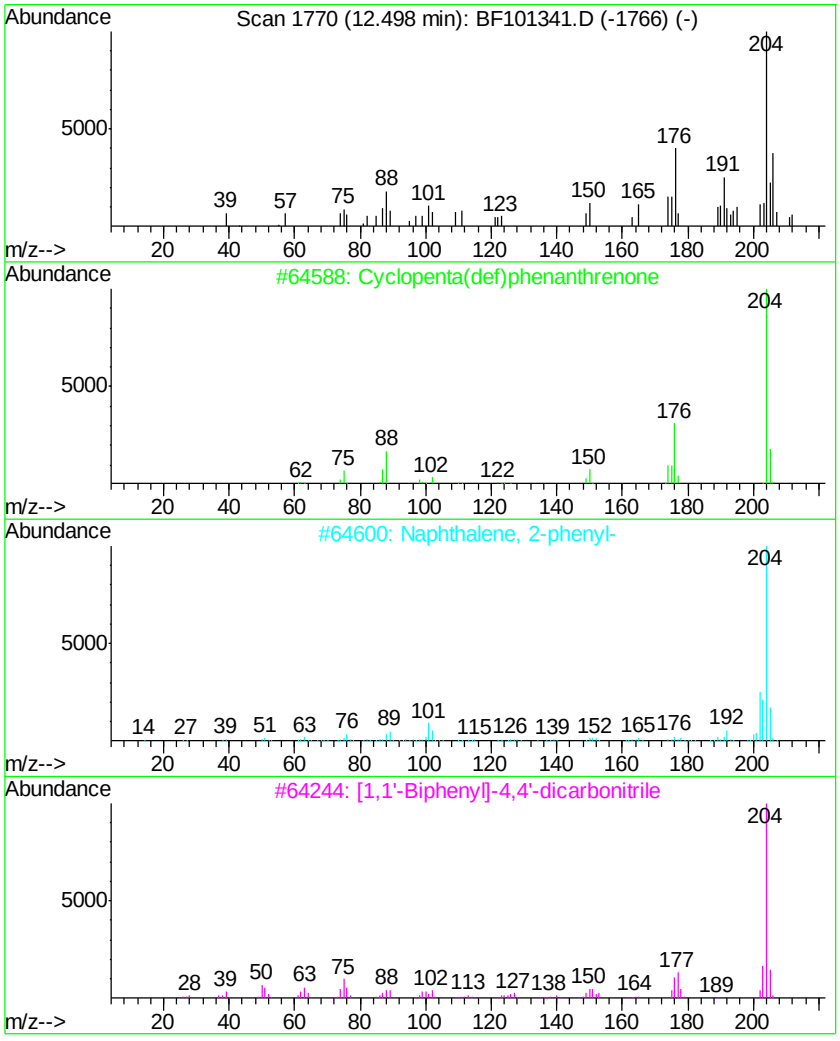
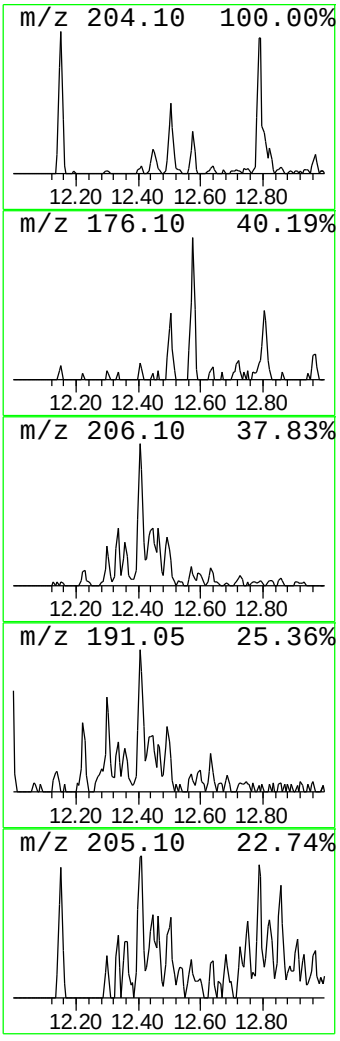
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	3.09 ng	44260	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	50
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101341.D
Acq On : 12 Dec 2017 20:26
Operator : SJ/JU
Sample : I6822-09 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.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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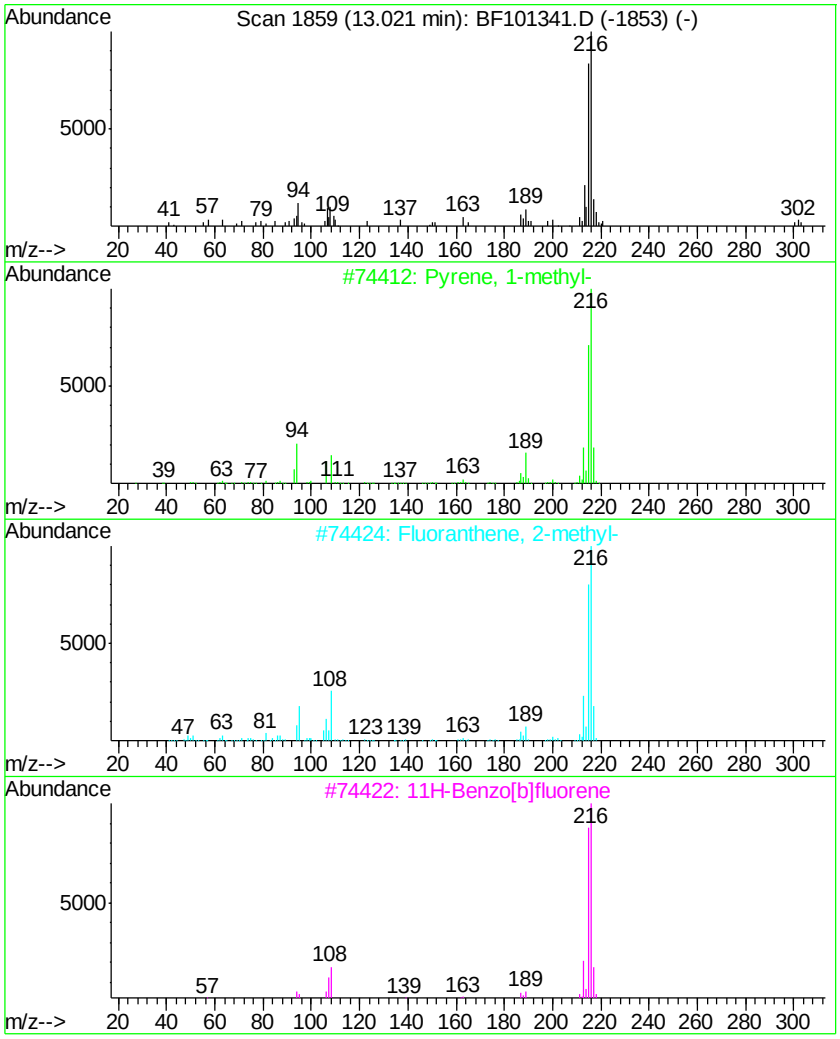
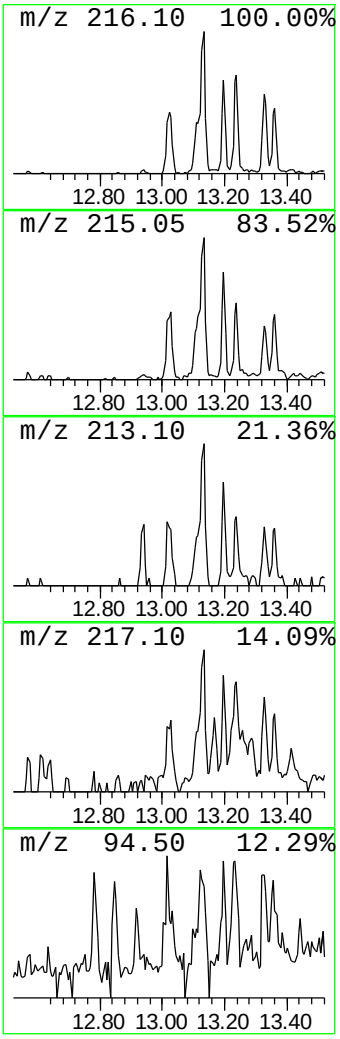
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	2.38 ng	93916	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	53





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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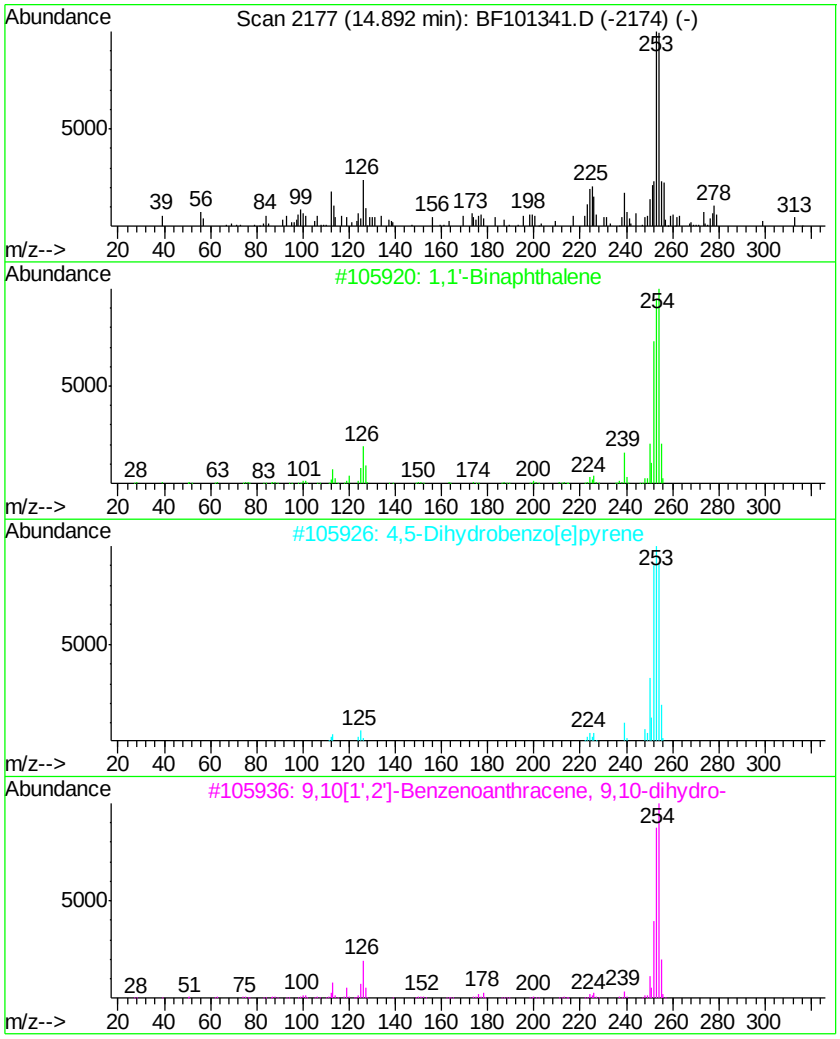
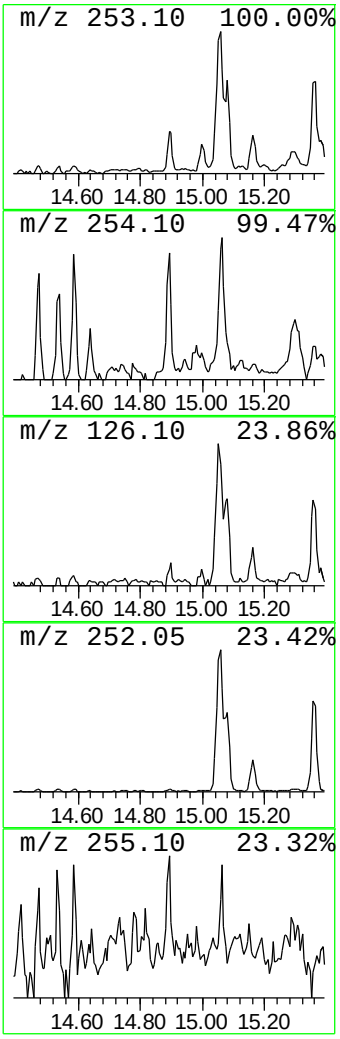
Peak Number 15 1,1'-Binaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	4.12 ng	54863	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	83
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	76
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	58
4	4,4'-Biazulenyl	254	C20H14	094053-54-0	58
5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	58





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Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113017.M
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TIC Library : C:\DATABASE\NIST11.L
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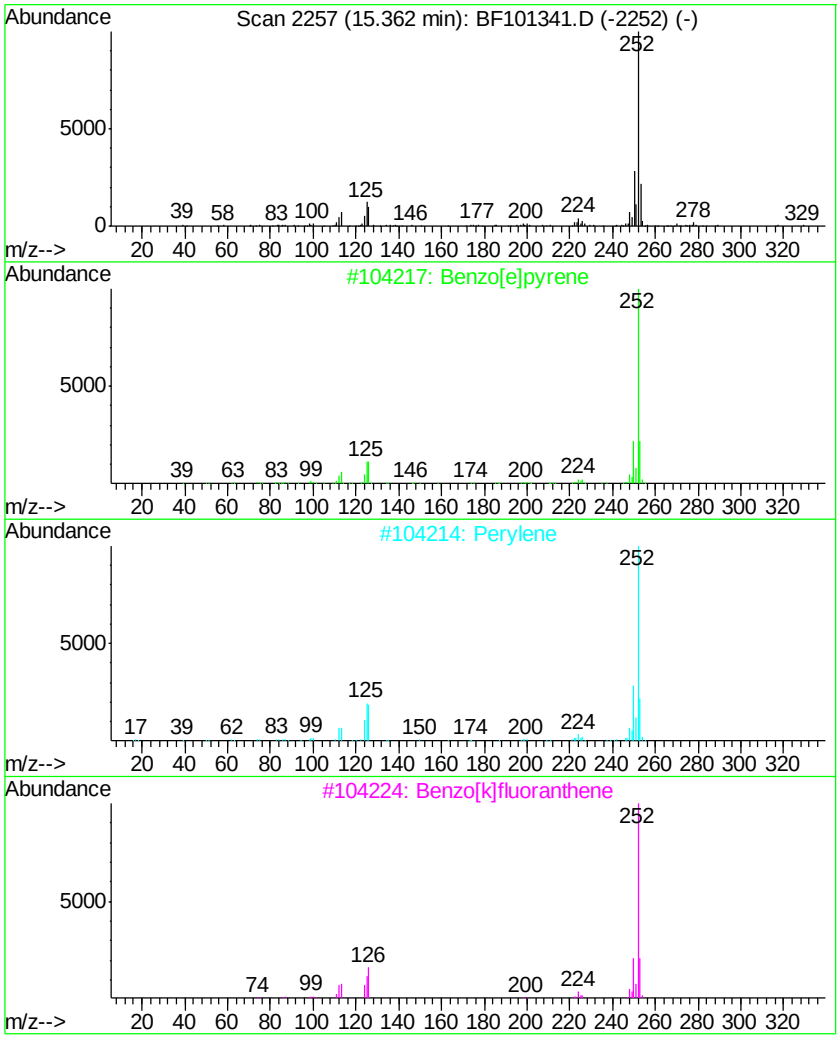
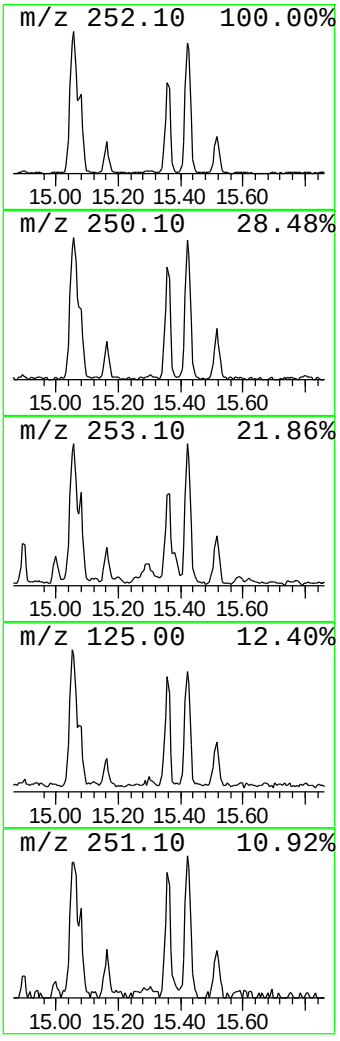
Peak Number 17 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	17.31 ng	230733	Perylene-d12	15.49

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





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

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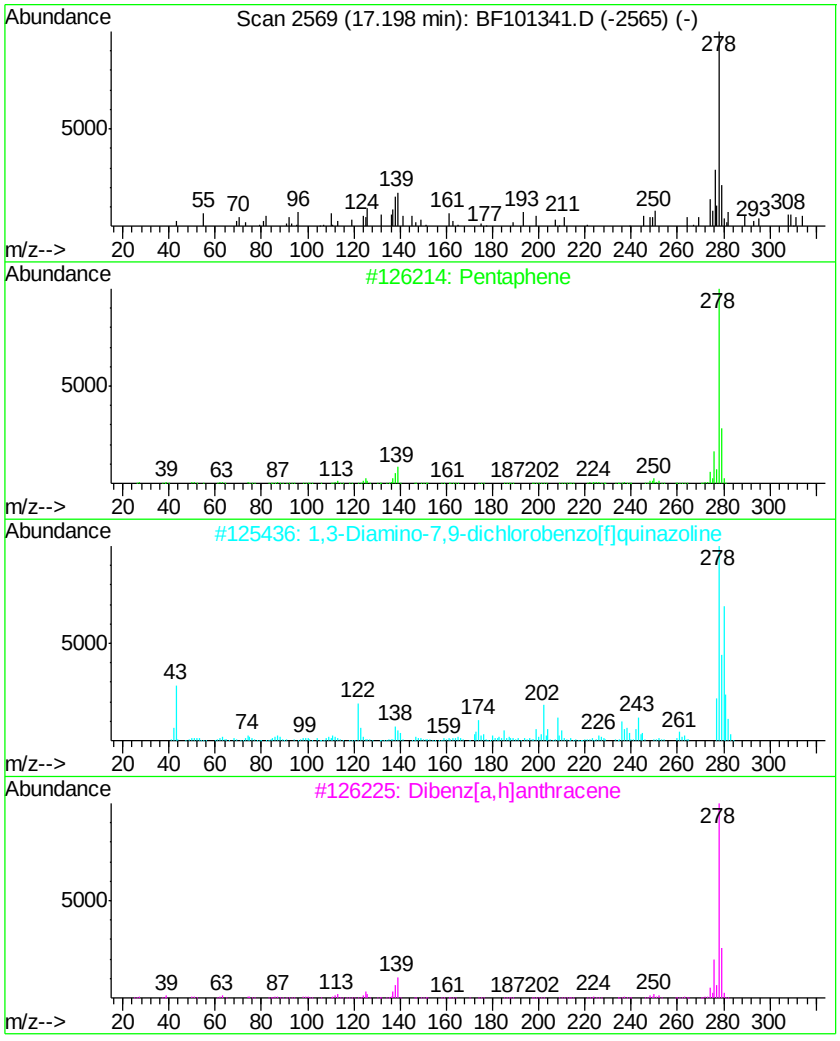
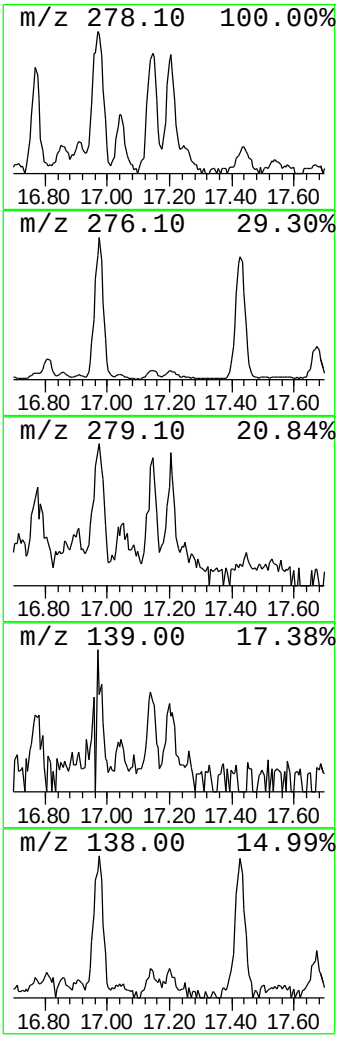
Peak Number 19 Pentaphene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	3.82 ng	50852	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaphene	278	C22H14	000222-93-5	64
2	1,3-Diamino-7,9-dichlorobenzo[f]...	278	C12H8Cl2N4	037521-58-7	53
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	52
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	52
5	Benzo[b]chrysene	278	C22H14	000214-17-5	52





Tentatively Identified Compound (LSC) summary

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Data File : BF101341.D
Acq On : 12 Dec 2017 20:26
Operator : SJ/JU
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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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.03	2.7	ng	32192	1	6.82	237493	20.0
unknown6.59	6.59	40.5	ng	481140	1	6.82	237493	20.0
Octacosane	10.76	2.7	ng	38126	4	11.36	286324	20.0
9H-Carbazole, 9-n...	11.59	3.0	ng	42972	4	11.36	286324	20.0
Phenanthrene, 2-m...	11.86	4.3	ng	61464	4	11.36	286324	20.0
4H-Cyclopenta[def...	11.97	7.3	ng	105183	4	11.36	286324	20.0
Phenanthrene, 1-m...	11.99	2.9	ng	42077	4	11.36	286324	20.0
Naphthalene, 2-ph...	12.15	3.1	ng	44880	4	11.36	286324	20.0
Phenanthrene, 3,6...	12.40	4.0	ng	57426	4	11.36	286324	20.0
unknown12.45	12.45	3.0	ng	42262	4	11.36	286324	20.0
Cyclopenta(def)ph...	12.50	3.1	ng	44260	4	11.36	286324	20.0
Pyrene, 1-methyl-	13.02	2.4	ng	93916	5	14.01	789105	20.0
1,1'-Binaphthalene	14.89	4.1	ng	54863	6	15.49	266568	20.0
Benzo[e]pyrene	15.36	17.3	ng	230733	6	15.49	266568	20.0
Pentaphene	17.20	3.8	ng	50852	6	15.49	266568	20.0