LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101403.D
Acq On : 14 Dec 2017 19:50
Operator : SJ/JU
Sample : I6837-01 100X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-69-01

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-BF121417.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	3.434	226	229	251	rBV2	24364	117466	5.06%	0.420%
2	4.734	447	450	460	rBV3	16153	43144	1.86%	0.154%
3	5.398	556	563	572	rBV	22685	51321	2.21%	0.184%
4	6.481	742	747	763	rBV	79653	182456	7.85%	0.653%
5	6.810	800	803	821	rBV	1051475	1127166	48.52%	4.032%
6	7.075	844	848	857	rBV2	106800	172384	7.42%	0.617%
7	7.251	874	878	888	rBV	66336	134668	5.80%	0.482%
8	8.098	1018	1022	1024	rBV	1566319	1486401	63.99%	5.317%
9	8.116	1024	1025	1033	rVV	552676	489461	21.07%	1.751%
10	8.480	1083	1087	1090	rBV	26464	36696	1.58%	0.131%
11	8.816	1141	1144	1152	rBV	104955	112941	4.86%	0.404%
12	8.916	1158	1161	1168	rVB	54300	65771	2.83%	0.235%
13	9.239	1213	1216	1220	rBV	35839	37178	1.60%	0.133%
14	9.445	1245	1251	1254	rBV	46411	65524	2.82%	0.234%
15	9.510	1258	1262	1265	rVV2	63930	75906	3.27%	0.272%
16	9.539	1265	1267	1273	rVB2	51207	63729	2.74%	0.228%
17	9.627	1278	1282	1287	rBV	38143	55545	2.39%	0.199%
18	9.716	1293	1297	1304	rVB	131852	115150	4.96%	0.412%
19	9.774	1304	1307	1310	rBV	49085	46803	2.01%	0.167%
20	9.851	1315	1320	1333	rVB2	1632220	1676114	72.16%	5.996%
21	10.063	1352	1356	1359	rBV	164454	161282	6.94%	0.577%
22	10.092	1359	1361	1365	rVB2	52708	56516	2.43%	0.202%
23	10.269	1385	1391	1395	rBV2	88026	115745	4.98%	0.414%
24	10.404	1410	1414	1420	rVB	448571	426099	18.34%	1.524%
25	10.486	1425	1428	1431	rVV	37722	36874	1.59%	0.132%
26	10.563	1436	1441	1445	rBV	62498	75789	3.26%	0.271%
27	10.639	1447	1454	1459	rBV2	87862	158214	6.81%	0.566%
28	10.745	1468	1472	1478	rBV	124410	153945	6.63%	0.551%
29	10.951	1502	1507	1510	rBV2	97854	114407	4.93%	0.409%
30	11.033	1518	1521	1524	rVB	43900	37706	1.62%	0.135%
31	11.074	1524	1528	1531	rBV5	34927	51790	2.23%	0.185%
32	11.192	1545	1548	1551	rVV	130562	114697	4.94%	0.410%
33	11.221	1551	1553	1554	rVV	50149	40525	1.74%	0.145%
34	11.239	1554	1556	1562	rVB	164226	145900	6.28%	0.522%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101403.D
Acq On : 14 Dec 2017 19:50
Operator : SJ/JU
Sample : I6837-01 100X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-69-01

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.345	1570	1574	1576	rBV	1793746	1705578	73.42%	6.102%
36	11.368	1576	1578	1582	rVV	2577138	2322892	100.00%	8.310%
37	11.421	1582	1587	1592	rVV	1131359	1042259	44.87%	3.729%
38	11.463	1592	1594	1598	rVB	49090	45245	1.95%	0.162%
39	11.504	1598	1601	1605	rVB	33401	37190	1.60%	0.133%
40	11.580	1609	1614	1618	rBV	453517	453604	19.53%	1.623%
41	11.621	1618	1621	1622	rBV	62637	55870	2.41%	0.200%
42	11.686	1628	1632	1635	rVB3	40603	54003	2.32%	0.193%
43	11.845	1656	1659	1662	rBV	287354	246345	10.61%	0.881%
44	11.874	1662	1664	1669	rVB	355614	309134	13.31%	1.106%
45	11.921	1669	1672	1675	rBV	155976	156117	6.72%	0.558%
46	11.963	1675	1679	1681	rBV	542244	536347	23.09%	1.919%
47	12.027	1687	1690	1693	rBV2	82813	75239	3.24%	0.269%
48	12.057	1693	1695	1698	rVB	45972	40042	1.72%	0.143%
49	12.139	1706	1709	1714	rVB	200954	178912	7.70%	0.640%
50	12.186	1714	1717	1724	rVB7	26756	39980	1.72%	0.143%
51	12.392	1747	1752	1754	rBV	76535	82709	3.56%	0.296%
52	12.492	1765	1769	1777	rVB2	46829	78281	3.37%	0.280%
53	12.563	1777	1781	1785	rBV	2265022	2015736	86.78%	7.211%
54	12.627	1789	1792	1794	rBV2	44564	37060	1.60%	0.133%
55	12.657	1794	1797	1801	rVB	282805	243457	10.48%	0.871%
56	12.710	1803	1806	1809	rBV2	60852	68538	2.95%	0.245%
57	12.792	1817	1820	1826	rVB	1654517	1523099	65.57%	5.449%
58	12.839	1826	1828	1833	rVB	93067	88617	3.81%	0.317%
59	12.910	1837	1840	1844	rBV	125766	131523	5.66%	0.471%
60	12.957	1844	1848	1852	rVB	71824	83152	3.58%	0.297%
61	13.004	1852	1856	1861	rBV3	107988	194410	8.37%	0.695%
62	13.045	1861	1863	1867	rVB	41183	42714	1.84%	0.153%
63	13.098	1867	1872	1873	rBV3	92102	118486	5.10%	0.424%
64	13.121	1873	1876	1881	rVV	400803	375646	16.17%	1.344%
65	13.186	1884	1887	1890	rVV	456831	393823	16.95%	1.409%
66	13.221	1890	1893	1897	rVV2	149294	193568	8.33%	0.692%
67	13.286	1901	1904	1907	rVV2	30588	45225	1.95%	0.162%
68	13.321	1907	1910	1912	rVV	62157	71103	3.06%	0.254%
69	13.351	1912	1915	1924	rVB3	95978	136503	5.88%	0.488%
70	13.604	1954	1958	1961	rBV2	48749	66291	2.85%	0.237%
71	13.639	1961	1964	1967	rVB3	38263	41168	1.77%	0.147%

LSC Area Percent Report

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Acq On : 14 Dec 2017 19:50
Operator : SJ/JU
Sample : I6837-01 100X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-69-01

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.745	1979	1982	1984	rBV	70827	69383	2.99%	0.248%
73	13.768	1984	1986	1988	rVV	136600	108401	4.67%	0.388%
74	13.798	1988	1991	1992	rVV	78093	77639	3.34%	0.278%
75	13.809	1992	1993	1998	rVB2	62888	61539	2.65%	0.220%
76	13.915	2005	2011	2014	rBV2	28035	38176	1.64%	0.137%
77	13.992	2016	2024	2027	rBV2	1609873	2207339	95.03%	7.897%
78	14.021	2027	2029	2036	rVB	562953	520330	22.40%	1.861%
79	14.198	2056	2059	2060	rVV	36849	37175	1.60%	0.133%
80	14.227	2062	2064	2068	rVB	58411	53114	2.29%	0.190%
81	14.380	2085	2090	2093	rVV	125363	182656	7.86%	0.653%
82	14.415	2093	2096	2098	rVV2	56134	63889	2.75%	0.229%
83	14.457	2101	2103	2105	rVV2	36793	46765	2.01%	0.167%
84	14.480	2105	2107	2109	rVV	81326	82842	3.57%	0.296%
85	14.509	2109	2112	2113	rVV	74333	83807	3.61%	0.300%
86	14.527	2113	2115	2120	rVV	106902	116167	5.00%	0.416%
87	14.580	2121	2124	2126	rVV2	40491	47149	2.03%	0.169%
88	14.627	2130	2132	2139	rVB5	29400	45044	1.94%	0.161%
89	14.733	2147	2150	2154	rVB3	37763	40244	1.73%	0.144%
90	15.039	2198	2202	2204	rBV	315624	452415	19.48%	1.618%
91	15.062	2204	2206	2212	rVB2	209257	223619	9.63%	0.800%
92	15.145	2216	2220	2226	rBV	94641	113542	4.89%	0.406%
93	15.339	2249	2253	2259	rVB	172007	207725	8.94%	0.743%
94	15.403	2259	2264	2268	rBV	274816	346431	14.91%	1.239%
95	15.462	2268	2274	2278	rBV	698796	891424	38.38%	3.189%
96	16.362	2422	2427	2436	rVB4	29209	56206	2.42%	0.201%
97	16.945	2518	2526	2534	rBV	129363	271627	11.69%	0.972%
98	17.109	2549	2554	2560	rBV	30787	68737	2.96%	0.246%
99	17.392	2596	2602	2614	rBV	74089	171268	7.37%	0.613%
100	17.645	2639	2645	2654	rVB3	35324	93261	4.01%	0.334%

Sum of corrected areas: 27953093

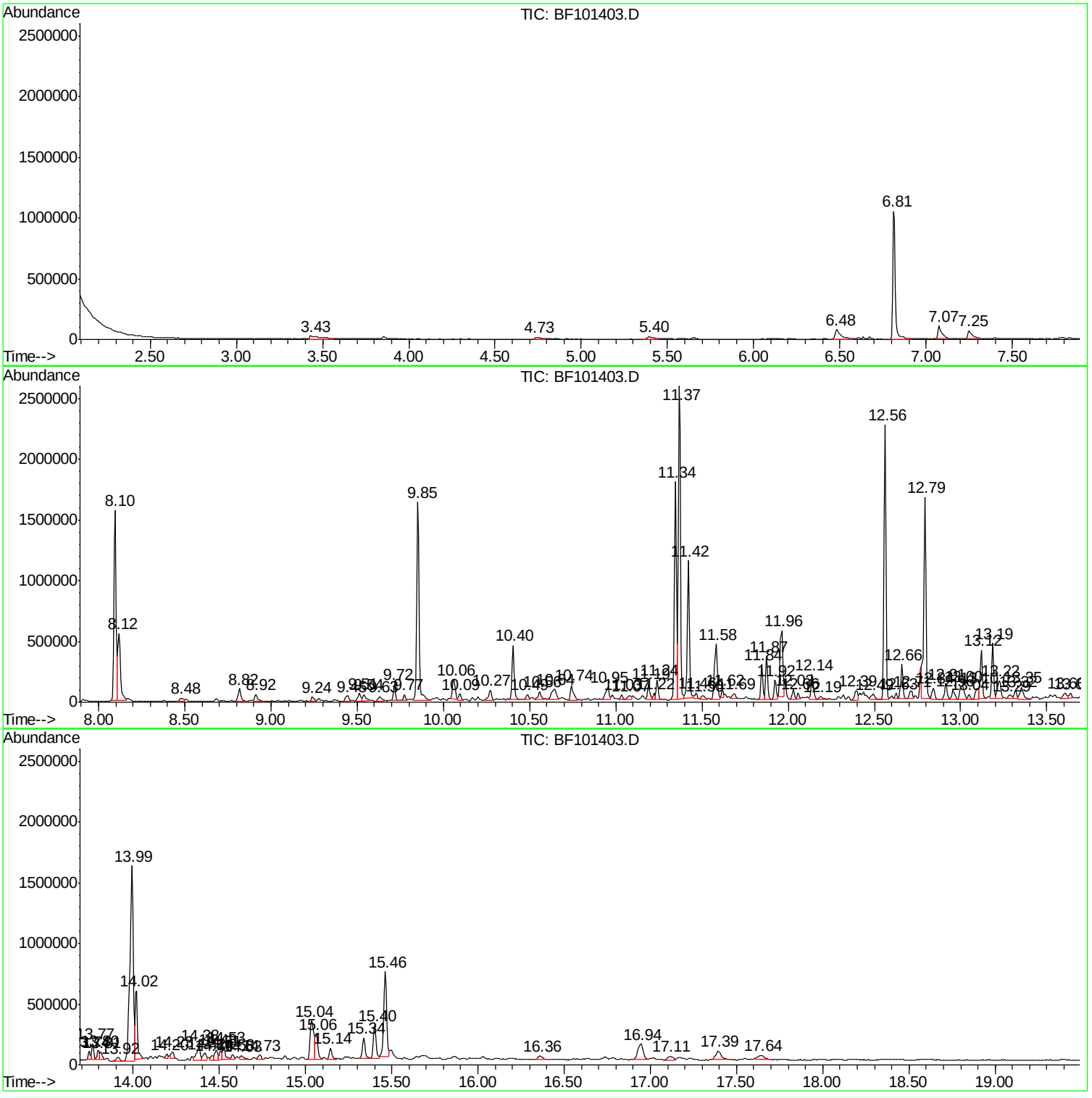
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101403.D
Acq On : 14 Dec 2017 19:50
Operator : SJ/JU
Sample : I6837-01 100X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-69-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101403.D
Acq On : 14 Dec 2017 19:50
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Sample : I6837-01 100X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-69-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

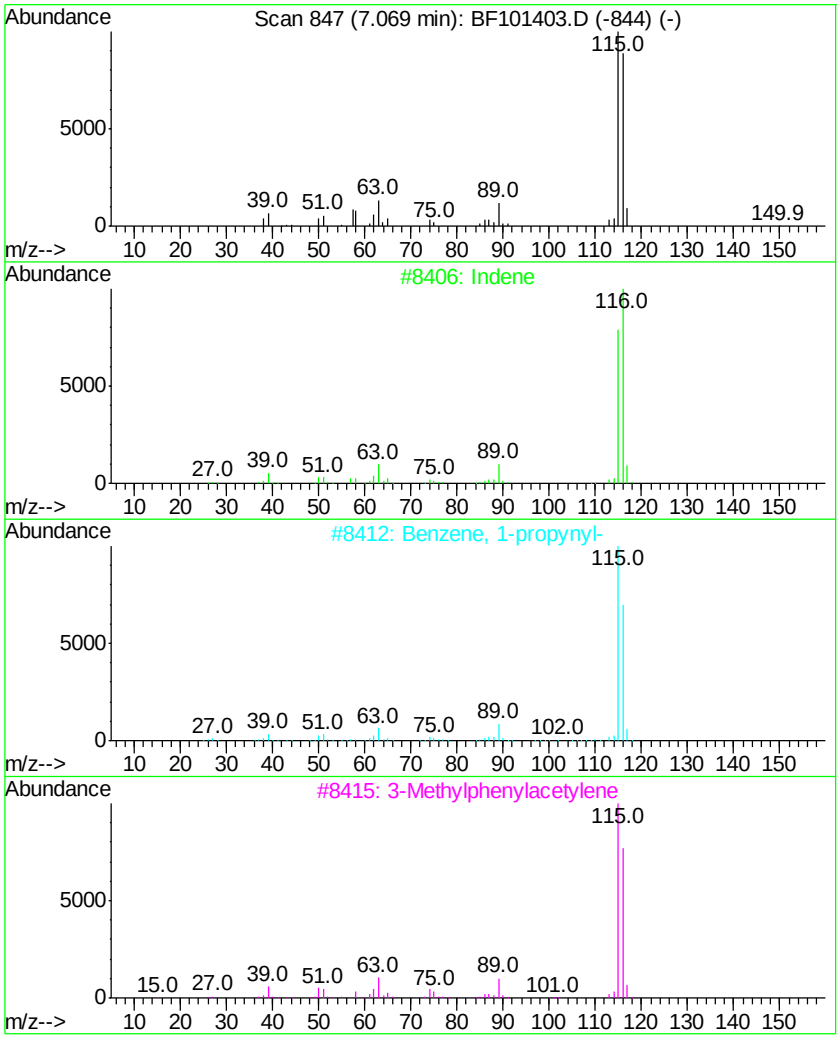
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

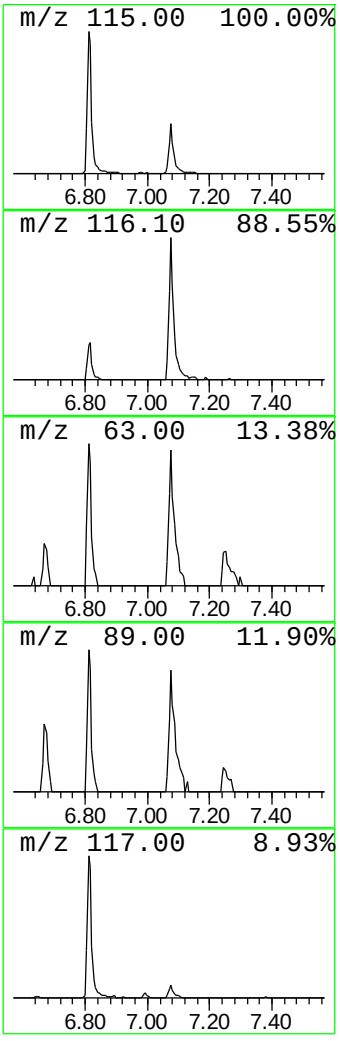
****

Peak Number 1 Indene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	3.06 ng	172384	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	90





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101403.D
Acq On : 14 Dec 2017 19:50
Operator : SJ/JU
Sample : I6837-01 100X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-69-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

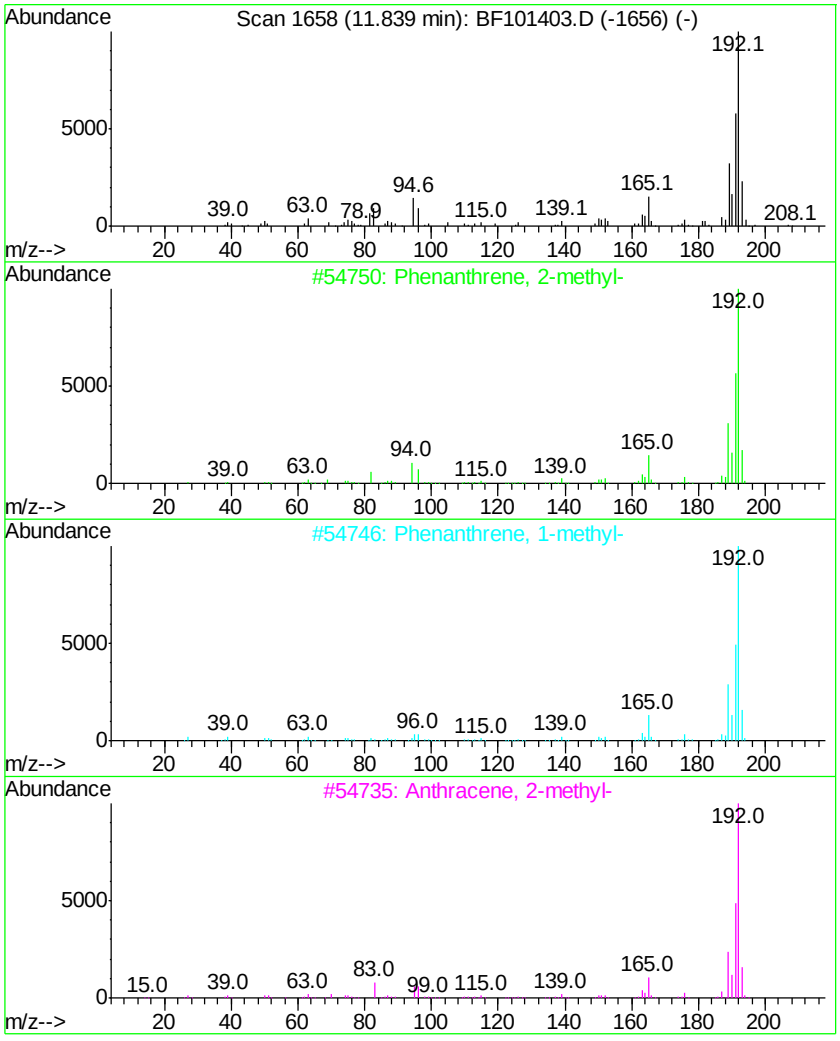
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

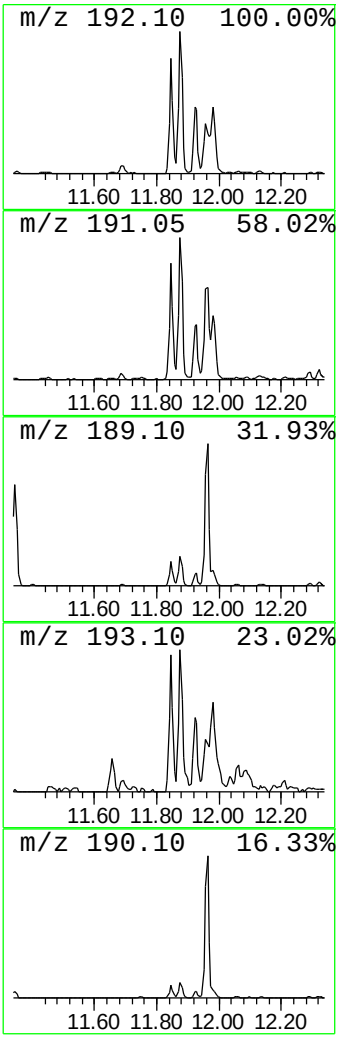
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	2.89 ng	246345	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101403.D
Acq On : 14 Dec 2017 19:50
Operator : SJ/JU
Sample : I6837-01 100X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-69-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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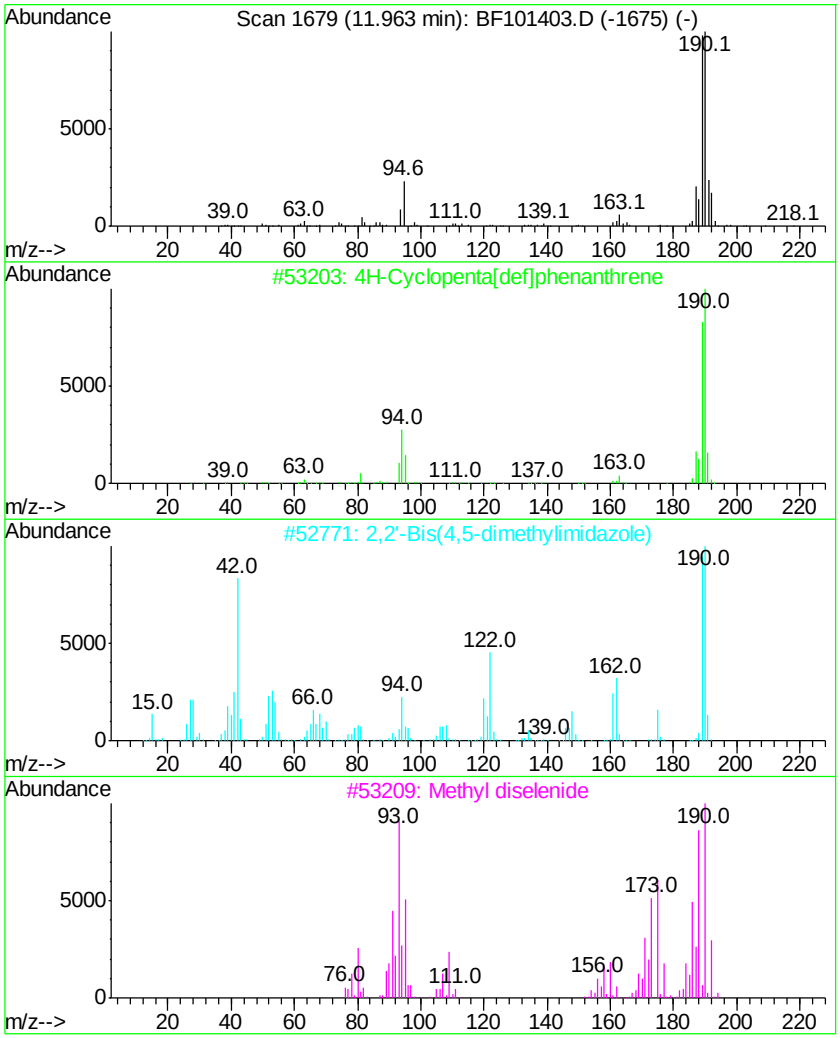
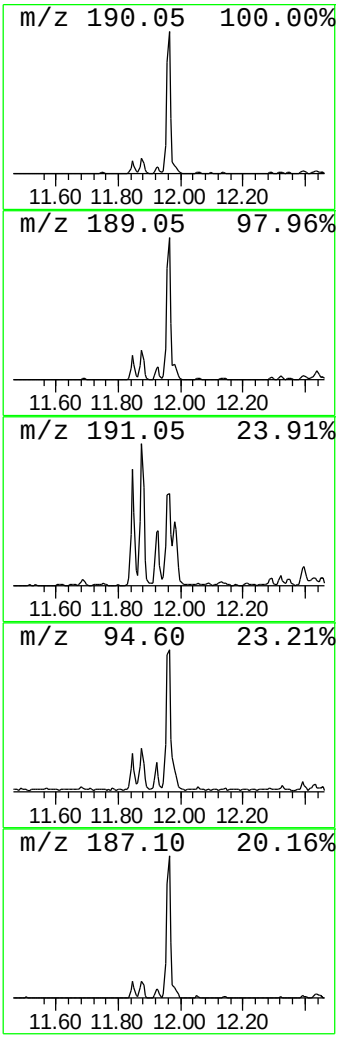
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	6.29 ng	536347	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
3	Methyl diselenide	190	C2H6Se2	007101-31-7	27
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	23
5	2-Naphthaldehyde, 1,2,3,4-tetrah...	190	C12H14O2	002472-02-8	18





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101403.D
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Sample : I6837-01 100X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-69-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

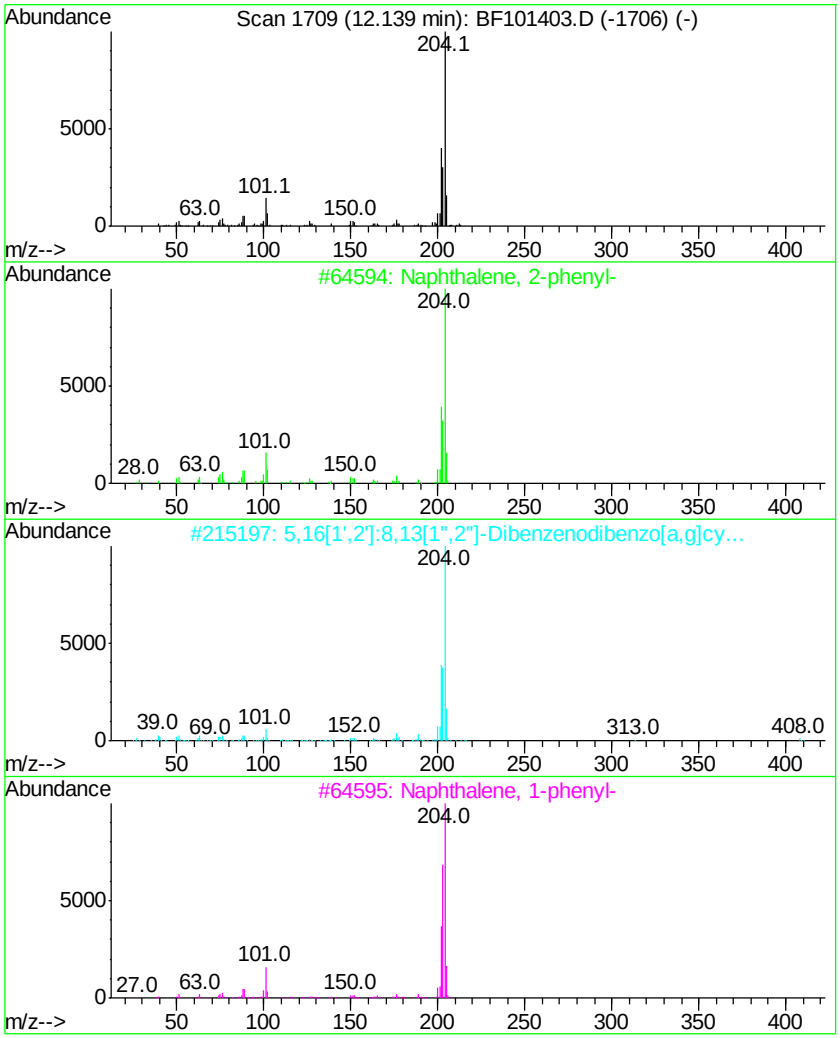
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

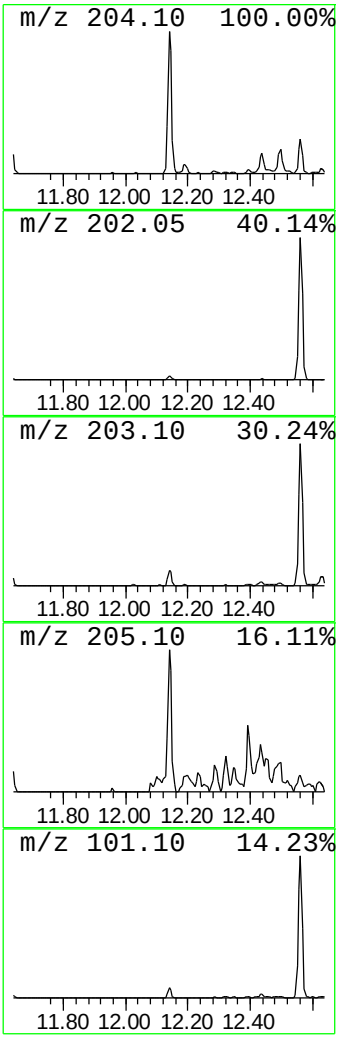
****

Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	2.10 ng	178912	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101403.D
Acq On : 14 Dec 2017 19:50
Operator : SJ/JU
Sample : I6837-01 100X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-69-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

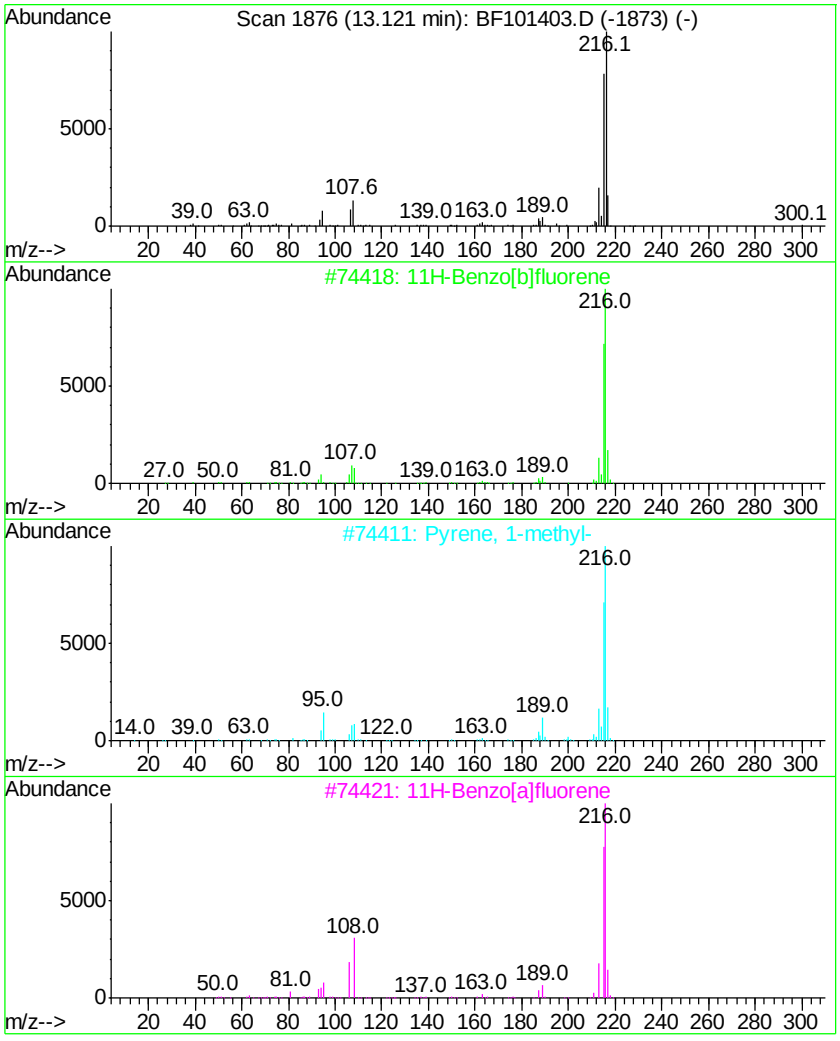
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

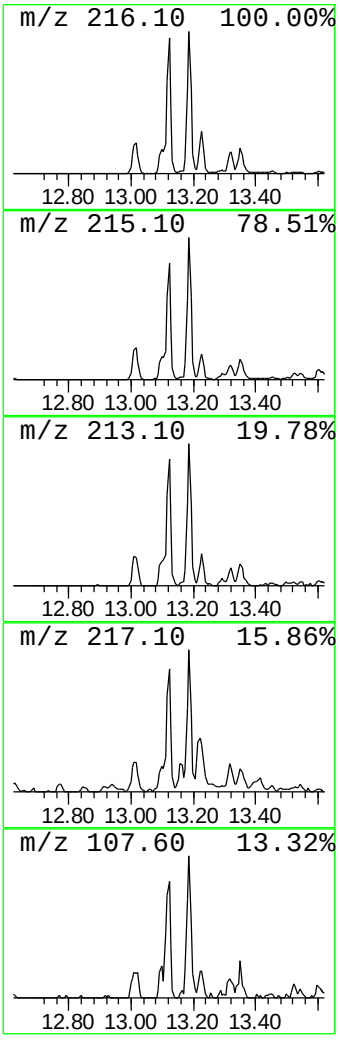
****

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	3.40 ng	375646	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64
5	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	59





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Misc :
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ClientSampleId : WC-69-01

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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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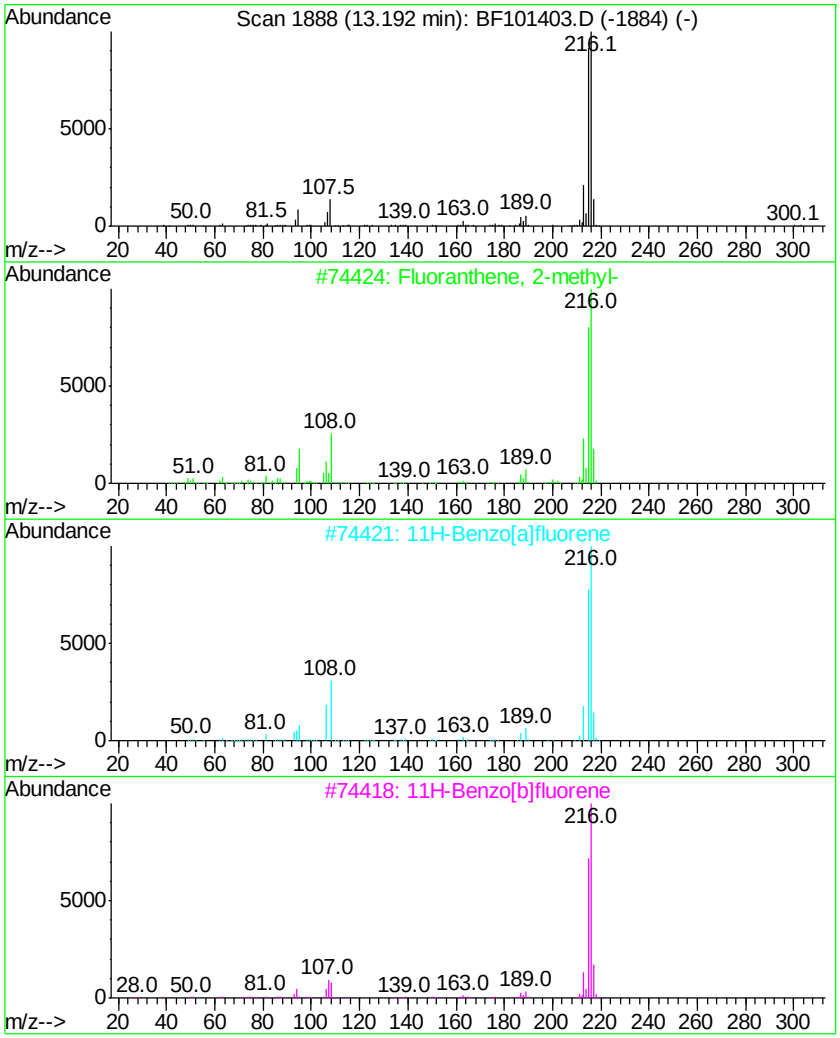
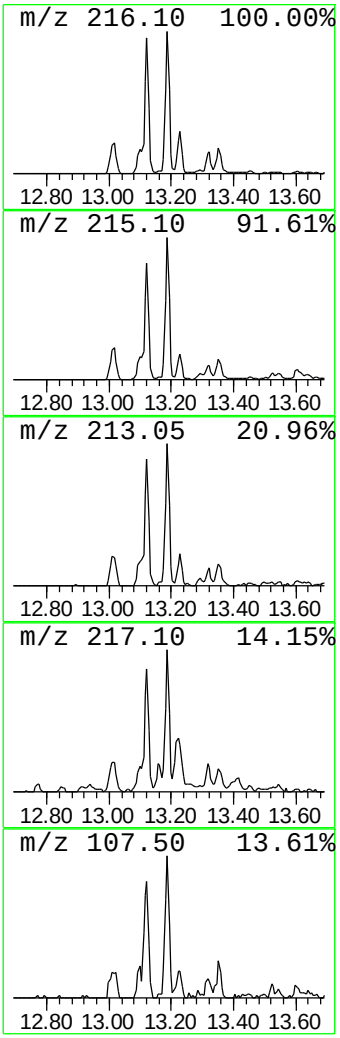
Peak Number 8 Fluoranthene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	3.57 ng	393823	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	58





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Data File : BF101403.D
Acq On : 14 Dec 2017 19:50
Operator : SJ/JU
Sample : I6837-01 100X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-69-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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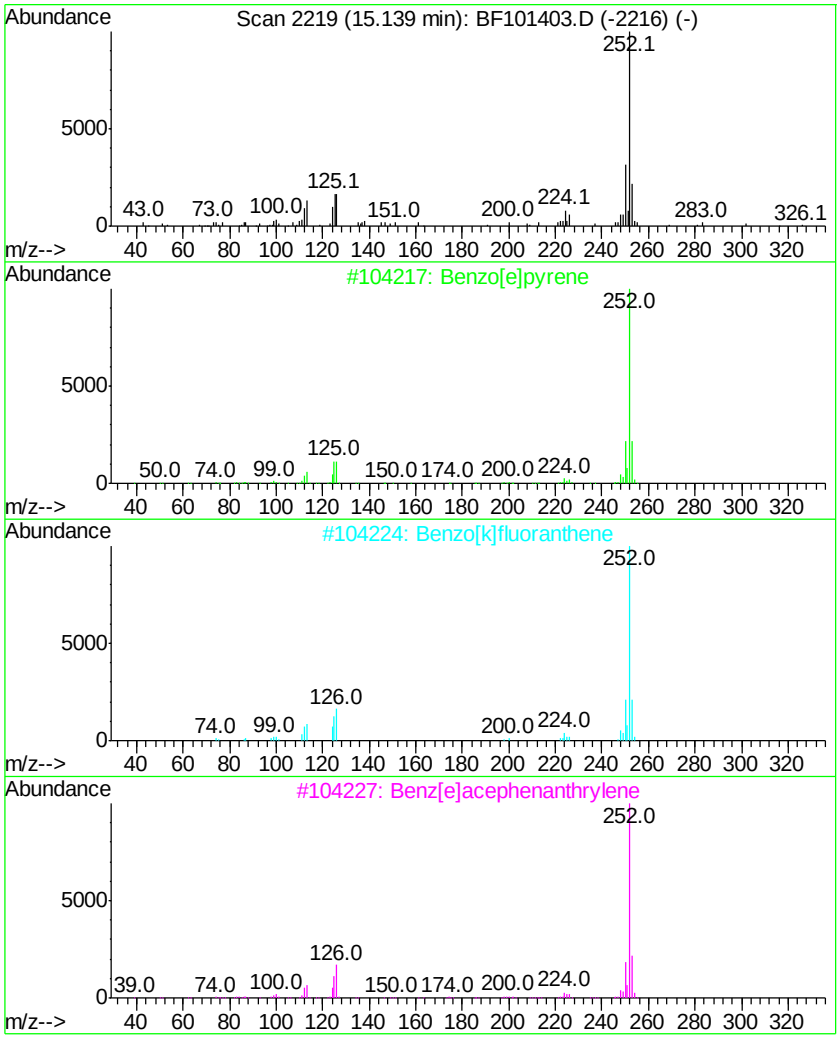
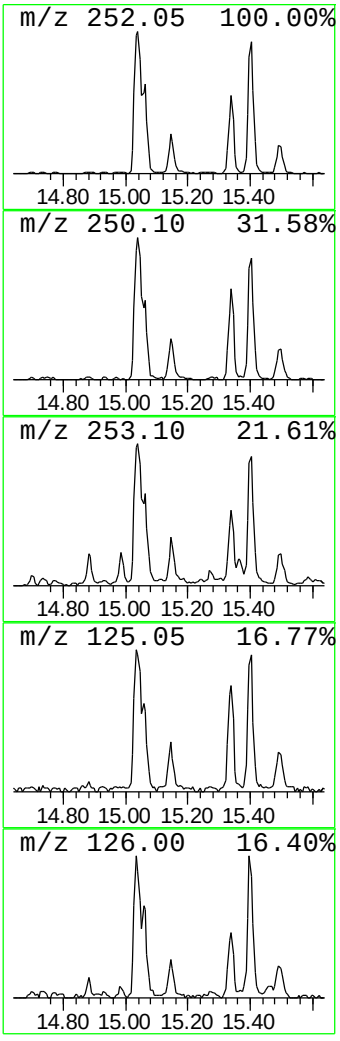
Peak Number 9 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	2.55 ng	113542	Perylene-d12	15.46

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





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF121417\
Data File : BF101403.D
Acq On : 14 Dec 2017 19:50
Operator : SJ/JU
Sample : I6837-01 100X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-69-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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
Indene	7.07	3.1	ng	172384	1	6.82	1127170	20.0
Phenanthrene, 2-m...	11.84	2.9	ng	246345	4	11.34	1705580	20.0
4H-Cyclopenta[def...	11.96	6.3	ng	536347	4	11.34	1705580	20.0
Naphthalene, 2-ph...	12.14	2.1	ng	178912	4	11.34	1705580	20.0
11H-Benzo[b]fluorene	13.12	3.4	ng	375646	5	13.99	2207340	20.0
Fluoranthene, 2-m...	13.19	3.6	ng	393823	5	13.99	2207340	20.0
Benzo[e]pyrene	15.14	2.5	ng	113542	6	15.46	891424	20.0