LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101999.D
Acq On : 11 Jan 2018 00:23
Operator : SJ/JU
Sample : J1076-16 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-53-01

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-BF010918.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	5.322	547	550	555	rVB	27790	28985	1.31%	0.124%
2	6.357	722	726	732	rVB2	45026	58021	2.61%	0.248%
3	6.486	745	748	752	rVB	35416	27555	1.24%	0.118%
4	6.728	785	789	792	rBV	1472519	1273522	57.38%	5.448%
5	6.904	816	819	822	rVB	51967	38917	1.75%	0.166%
6	6.986	826	833	836	rBV	131527	122775	5.53%	0.525%
7	7.128	853	857	862	rVB	28184	26994	1.22%	0.115%
8	8.010	1002	1007	1008	rBV	1993243	1724512	77.71%	7.377%
9	8.027	1008	1010	1014	rVV	2452949	2219276	100.00%	9.494%
10	8.080	1014	1019	1022	rVV	90599	76162	3.43%	0.326%
11	8.722	1124	1128	1131	rBV	425058	365904	16.49%	1.565%
12	8.816	1139	1144	1148	rBV	337850	260466	11.74%	1.114%
13	9.180	1203	1206	1210	rVB	122349	98307	4.43%	0.421%
14	9.351	1230	1235	1238	rBV2	68994	91805	4.14%	0.393%
15	9.416	1243	1246	1249	rVV	103837	97380	4.39%	0.417%
16	9.445	1249	1251	1254	rVB	67231	50085	2.26%	0.214%
17	9.533	1261	1266	1273	rVB	48563	56587	2.55%	0.242%
18	9.621	1277	1281	1284	rBV	275411	238671	10.75%	1.021%
19	9.763	1298	1305	1308	rBV	1780548	1672468	75.36%	7.155%
20	9.792	1308	1310	1313	rVB	185125	146357	6.59%	0.626%
21	9.963	1335	1339	1343	rVB	456797	353581	15.93%	1.513%
22	10.074	1350	1358	1361	rBV3	29791	57315	2.58%	0.245%
23	10.304	1394	1397	1403	rVB	708399	572657	25.80%	2.450%
24	10.463	1421	1424	1426	rBV	86671	67604	3.05%	0.289%
25	10.539	1431	1437	1442	rBV2	88863	130895	5.90%	0.560%
26	10.668	1456	1459	1467	rBV5	33362	38272	1.72%	0.164%
27	10.851	1485	1490	1493	rBV2	71465	85093	3.83%	0.364%
28	10.933	1501	1504	1508	rVB2	33693	29458	1.33%	0.126%
29	11.051	1521	1524	1527	rVB3	28073	29723	1.34%	0.127%
30	11.139	1536	1539	1547	rVB	127824	121911	5.49%	0.522%
31	11.245	1553	1557	1558	rBV	1472497	1348257	60.75%	5.768%
32	11.268	1558	1561	1564	rVV	1766539	1516518	68.33%	6.488%
33	11.316	1564	1569	1572	rVV	576347	470294	21.19%	2.012%
34	11.351	1572	1575	1578	rVB2	29947	31680	1.43%	0.136%

LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101999.D
Acq On : 11 Jan 2018 00:23
Operator : SJ/JU
Sample : J1076-16 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-53-01

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-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.468	1589	1595	1598	rBV	150086	146010	6.58%	0.625%
36	11.539	1604	1607	1609	rBV2	47826	37268	1.68%	0.159%
37	11.568	1609	1612	1617	rVB3	36363	38595	1.74%	0.165%
38	11.651	1624	1626	1630	rVB	28977	29731	1.34%	0.127%
39	11.739	1635	1641	1644	rVV	145781	154188	6.95%	0.660%
40	11.768	1644	1646	1651	rVB	211176	167539	7.55%	0.717%
41	11.815	1651	1654	1657	rBV	88235	77194	3.48%	0.330%
42	11.851	1657	1660	1663	rVV	316517	320262	14.43%	1.370%
43	11.874	1663	1664	1669	rVB	104705	63596	2.87%	0.272%
44	12.039	1689	1692	1694	rBV	105775	83794	3.78%	0.358%
45	12.215	1720	1722	1724	rBV	30680	25734	1.16%	0.110%
46	12.239	1724	1726	1729	rVB2	31744	26788	1.21%	0.115%
47	12.292	1732	1735	1737	rBV	69878	71653	3.23%	0.307%
48	12.327	1737	1741	1743	rVV3	49413	66999	3.02%	0.287%
49	12.374	1746	1749	1754	rBV5	30842	43495	1.96%	0.186%
50	12.451	1758	1762	1766	rBV	1134092	955535	43.06%	4.088%
51	12.498	1766	1770	1775	rVV6	21084	32945	1.48%	0.141%
52	12.545	1775	1778	1781	rVB	105487	91290	4.11%	0.391%
53	12.604	1781	1788	1794	rBV5	38633	70243	3.17%	0.300%
54	12.680	1794	1801	1804	rBV	824231	877563	39.54%	3.754%
55	12.727	1807	1809	1814	rVB3	45698	51063	2.30%	0.218%
56	12.798	1817	1821	1823	rBV	62591	55728	2.51%	0.238%
57	12.827	1823	1826	1833	rVB2	39997	60575	2.73%	0.259%
58	12.898	1833	1838	1841	rBV2	59498	97516	4.39%	0.417%
59	12.980	1849	1852	1854	rBV2	45862	54813	2.47%	0.234%
60	13.004	1854	1856	1860	rVB	171664	145211	6.54%	0.621%
61	13.068	1864	1867	1870	rVV	166603	146732	6.61%	0.628%
62	13.110	1870	1874	1878	rVV2	88658	93455	4.21%	0.400%
63	13.174	1882	1885	1887	rBV4	24669	31696	1.43%	0.136%
64	13.198	1887	1889	1892	rVV	41415	37688	1.70%	0.161%
65	13.227	1892	1894	1899	rVB	48393	55540	2.50%	0.238%
66	13.409	1918	1925	1927	rBV6	26554	40999	1.85%	0.175%
67	13.486	1935	1938	1940	rBV3	20714	26360	1.19%	0.113%
68	13.621	1956	1961	1964	rBV2	61543	78243	3.53%	0.335%
69	13.651	1964	1966	1968	rVV	70841	59288	2.67%	0.254%
70	13.674	1968	1970	1976	rVB3	45777	66406	2.99%	0.284%
71	13.874	1996	2004	2006	rBV2	1205766	1428158	64.35%	6.110%

LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101999.D
Acq On : 11 Jan 2018 00:23
Operator : SJ/JU
Sample : J1076-16 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-53-01

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-BF010918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.898	2006	2008	2010	rVB	286484	221423	9.98%	0.947%
73	14.015	2023	2028	2030	rBV4	18471	28169	1.27%	0.121%
74	14.062	2033	2036	2038	rVV	33709	37142	1.67%	0.159%
75	14.098	2041	2042	2045	rVB	34966	25357	1.14%	0.108%
76	14.256	2066	2069	2072	rVB	75063	74486	3.36%	0.319%
77	14.292	2072	2075	2078	rVB2	45584	41679	1.88%	0.178%
78	14.351	2083	2085	2088	rVV	58397	47547	2.14%	0.203%
79	14.380	2088	2090	2092	rVV	41850	40730	1.84%	0.174%
80	14.404	2092	2094	2098	rVB2	56449	53750	2.42%	0.230%
81	14.456	2099	2103	2109	rVB6	31911	51129	2.30%	0.219%
82	14.504	2109	2111	2117	rBV7	22412	42906	1.93%	0.184%
83	14.804	2157	2162	2164	rBV6	20199	26894	1.21%	0.115%
84	14.886	2171	2176	2179	rBV	302662	466622	21.03%	1.996%
85	14.968	2186	2190	2191	rBV2	35087	49690	2.24%	0.213%
86	14.986	2191	2193	2198	rVB	96878	96788	4.36%	0.414%
87	15.074	2204	2208	2209	rBV5	22152	27844	1.25%	0.119%
88	15.174	2221	2225	2230	rVB	176113	215936	9.73%	0.924%
89	15.227	2230	2234	2240	rVB	320062	376874	16.98%	1.612%
90	15.292	2240	2245	2249	rBV	907268	1128028	50.83%	4.826%
91	15.321	2249	2250	2257	rVB2	102834	111914	5.04%	0.479%
92	15.745	2319	2322	2327	rBV6	35212	48819	2.20%	0.209%
93	15.956	2355	2358	2362	rVB4	22474	30591	1.38%	0.131%
94	16.221	2400	2403	2411	rVB6	31314	46440	2.09%	0.199%
95	16.356	2423	2426	2435	rVB10	18572	51620	2.33%	0.221%
96	16.656	2472	2477	2485	rVB2	125297	248643	11.20%	1.064%
97	16.833	2503	2507	2511	rVB	27879	43116	1.94%	0.184%
98	17.074	2542	2548	2557	rBV	95918	176319	7.94%	0.754%
99	17.286	2582	2584	2593	rVB2	37287	60440	2.72%	0.259%
100	17.445	2604	2611	2617	rVB10	26574	67127	3.02%	0.287%

Sum of corrected areas: 23375923

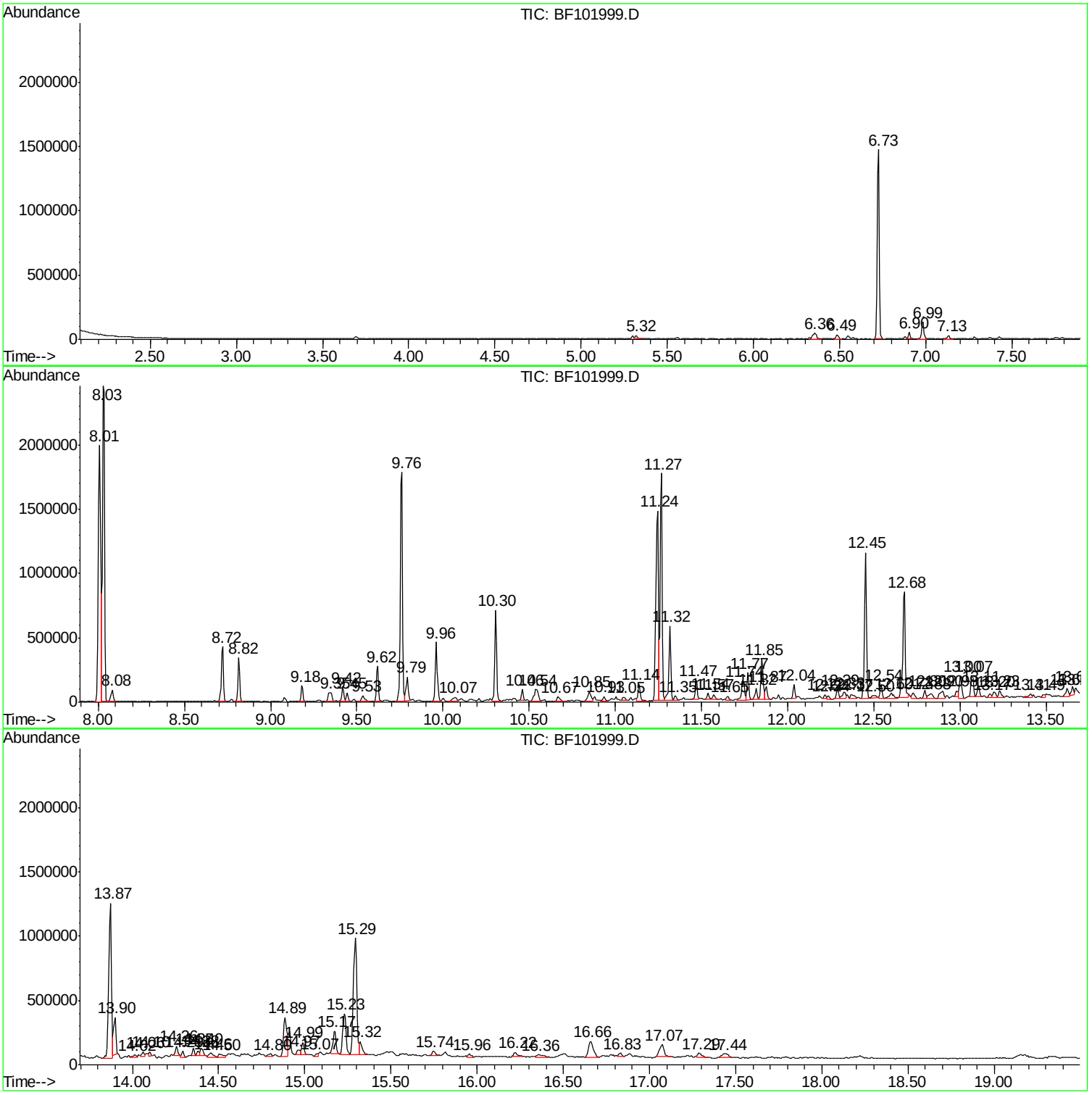
LSC Report - Integrated Chromatogram

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101999.D
Acq On : 11 Jan 2018 00:23
Operator : SJ/JU
Sample : J1076-16 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-53-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101999.D
Acq On : 11 Jan 2018 00:23
Operator : SJ/JU
Sample : J1076-16 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-53-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

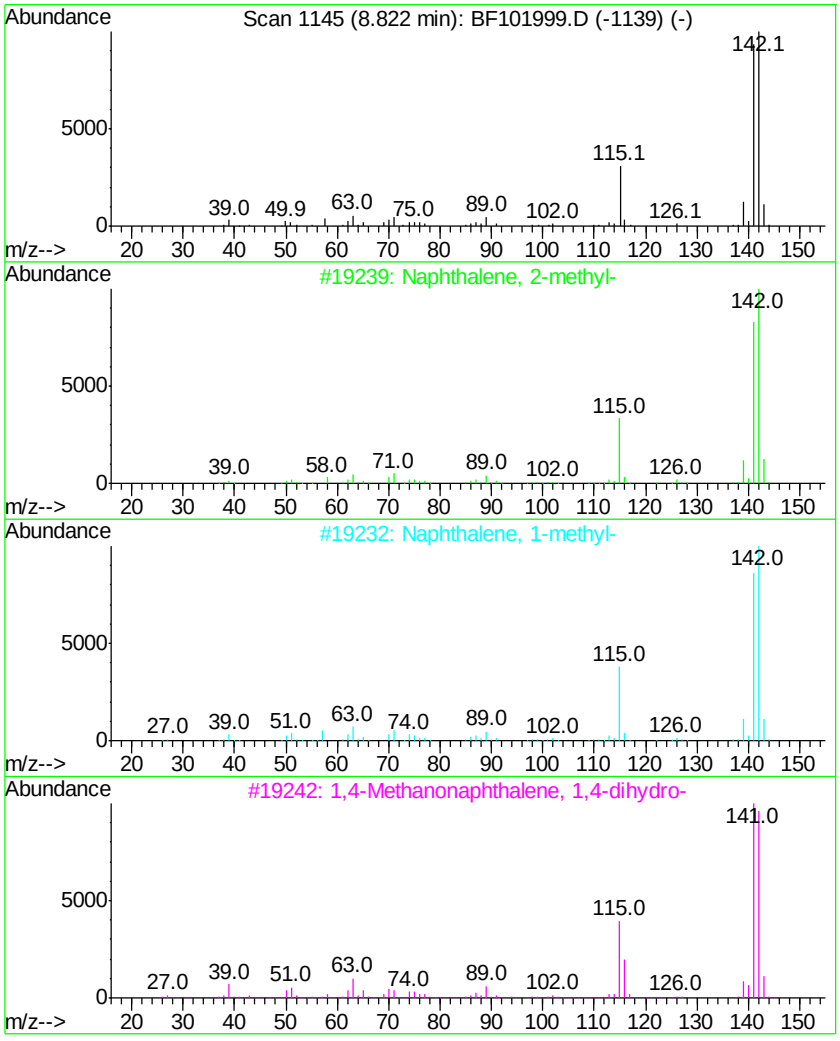
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

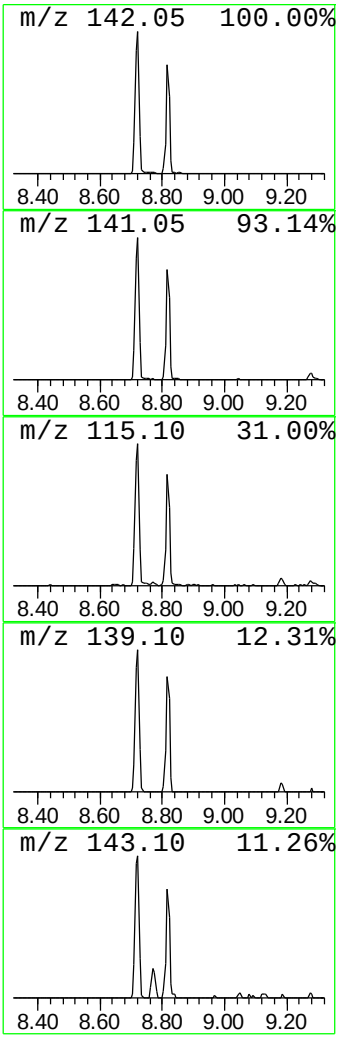
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	3.02 ng	260466	Naphthalene-d8	8.01

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	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101999.D
Acq On : 11 Jan 2018 00:23
Operator : SJ/JU
Sample : J1076-16 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-53-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

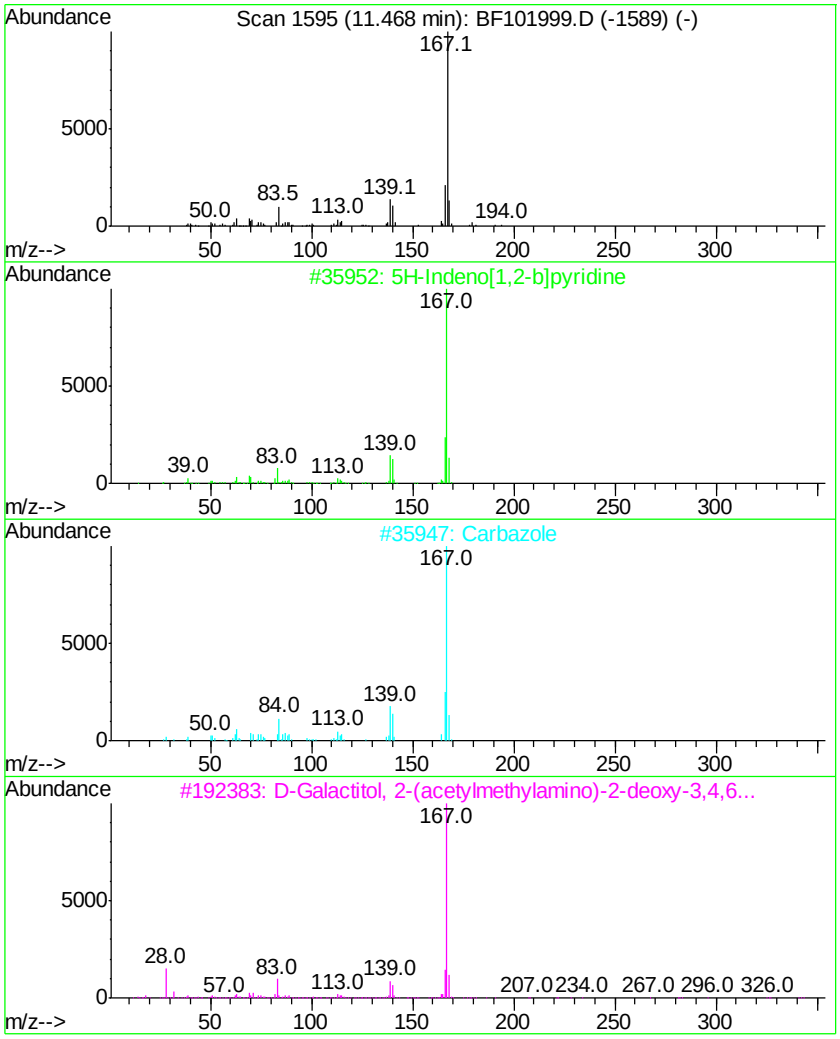
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

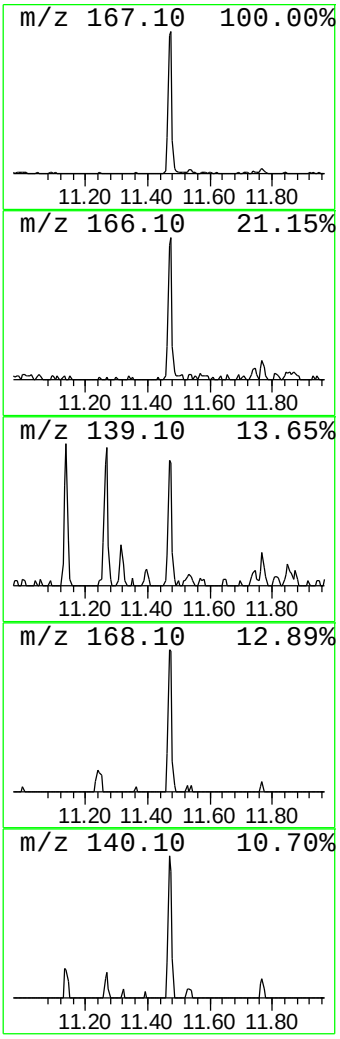
****

Peak Number 2 5H-Indeno[1,2-b]pyridine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	2.17 ng	146010	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	95
2	Carbazole	167	C12H9N	000086-74-8	91
3	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	91
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	87
5	2-Azafluorene	167	C12H9N	000244-40-6	83





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101999.D
Acq On : 11 Jan 2018 00:23
Operator : SJ/JU
Sample : J1076-16 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-53-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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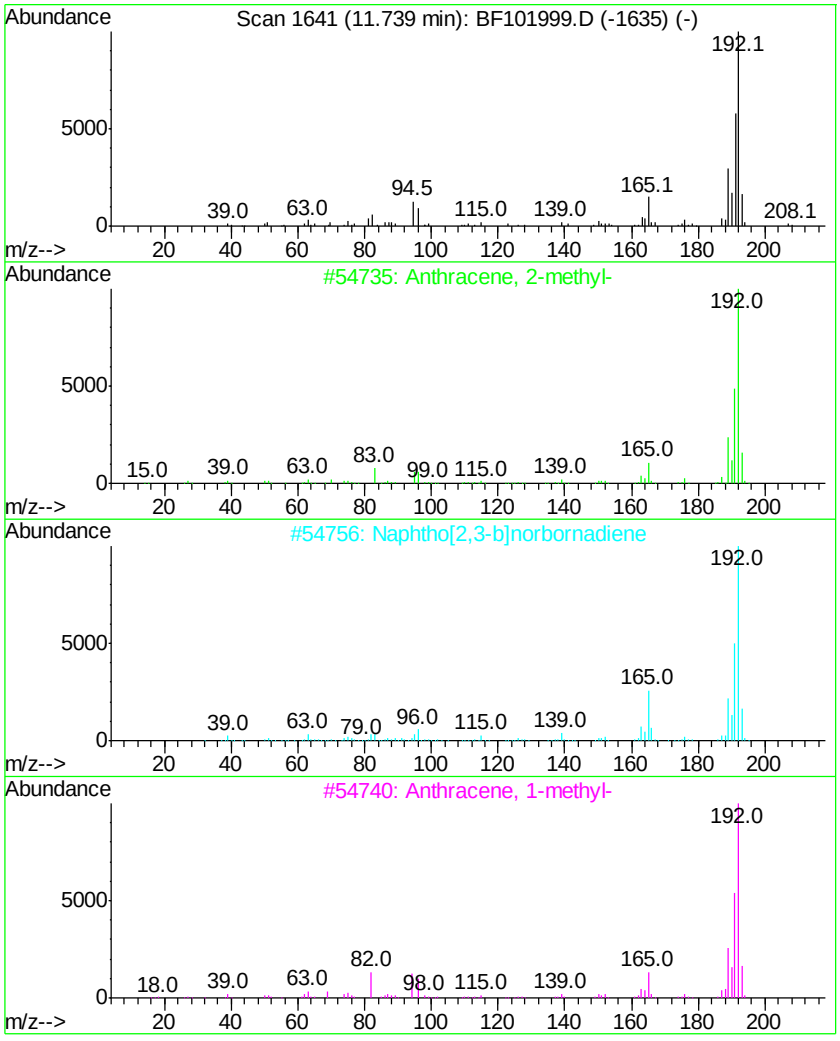
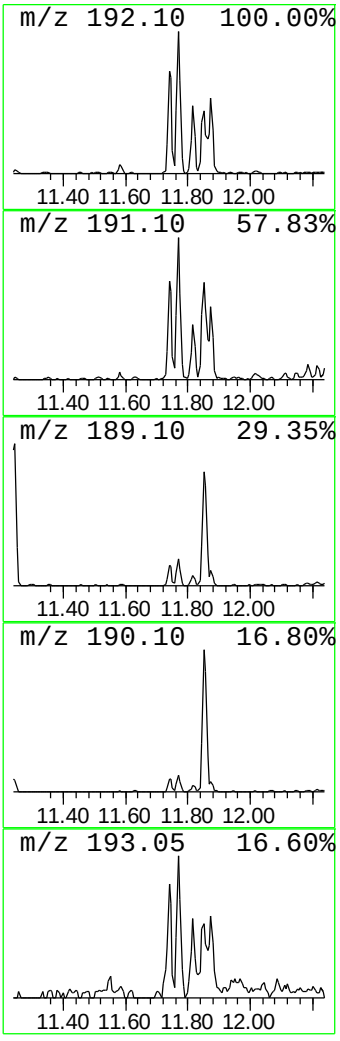
Peak Number 3 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	2.29 ng	154188	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101999.D
Acq On : 11 Jan 2018 00:23
Operator : SJ/JU
Sample : J1076-16 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-53-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

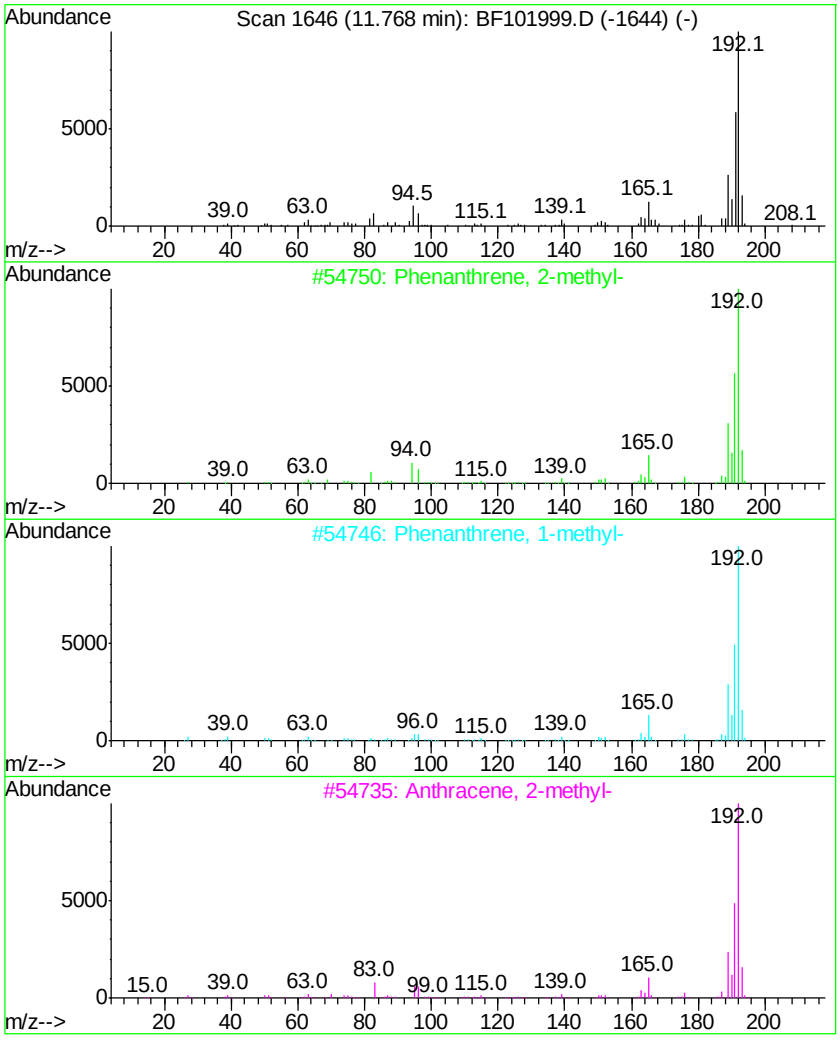
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

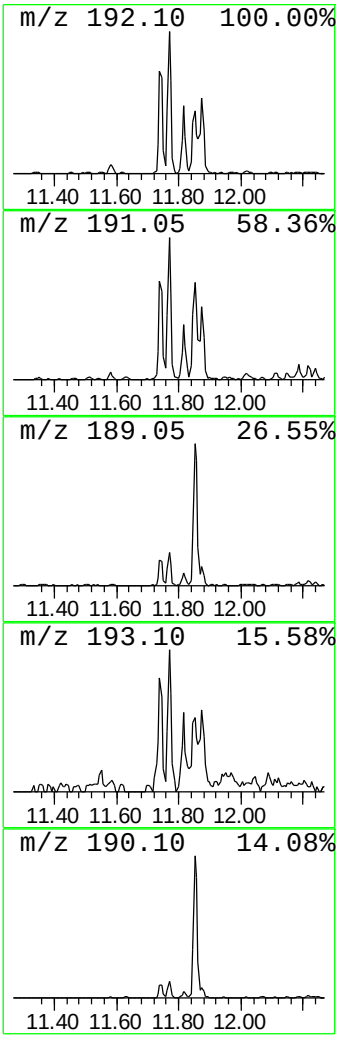
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	2.49 ng	167539	Phenanthrene-d10	11.24

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	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101999.D
Acq On : 11 Jan 2018 00:23
Operator : SJ/JU
Sample : J1076-16 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-53-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

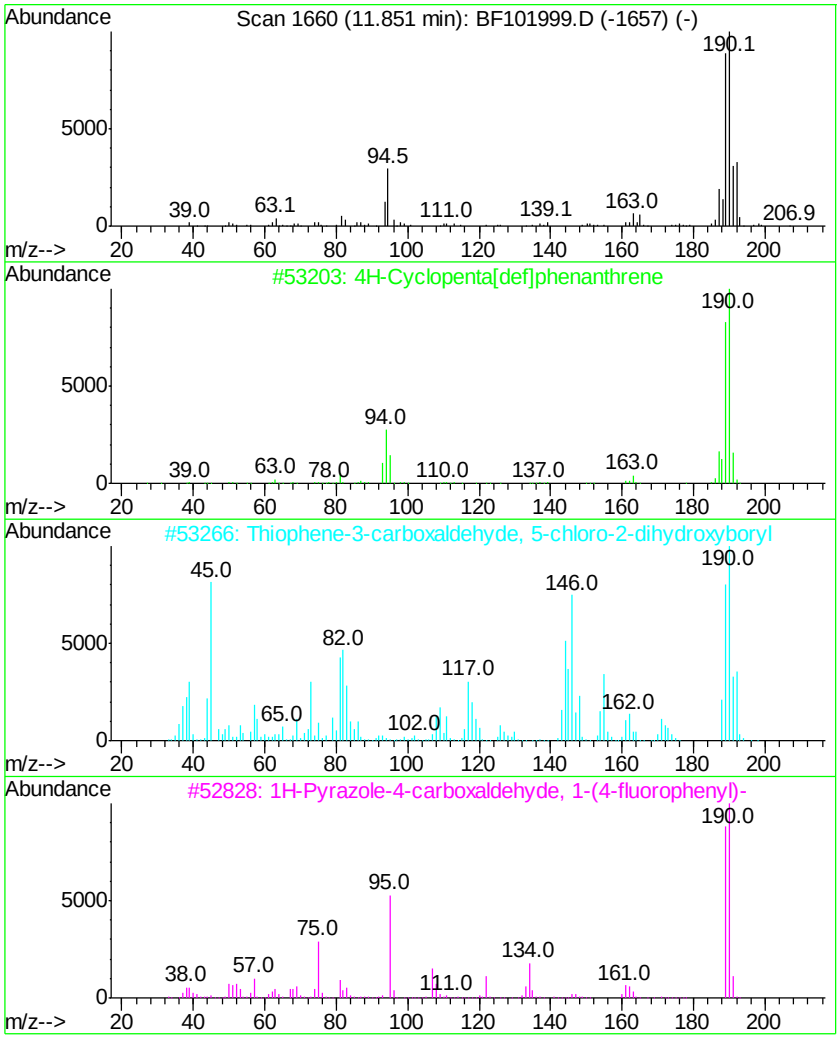
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

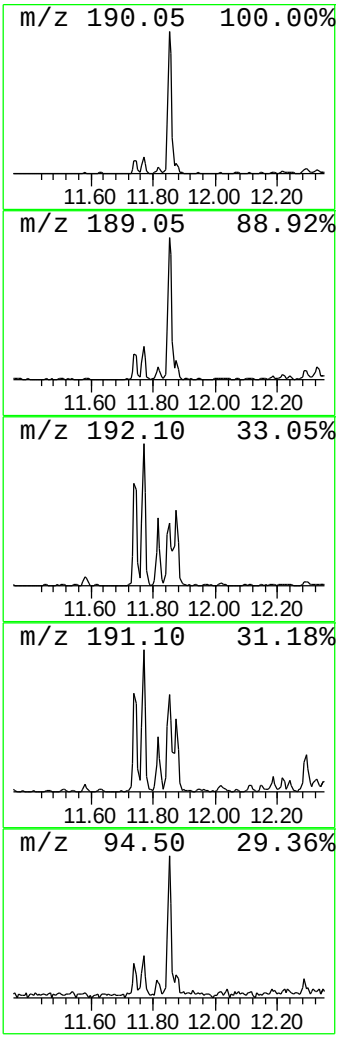
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	4.75 ng	320262	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
3	1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	28





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Data File : BF101999.D
Acq On : 11 Jan 2018 00:23
Operator : SJ/JU
Sample : J1076-16 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-53-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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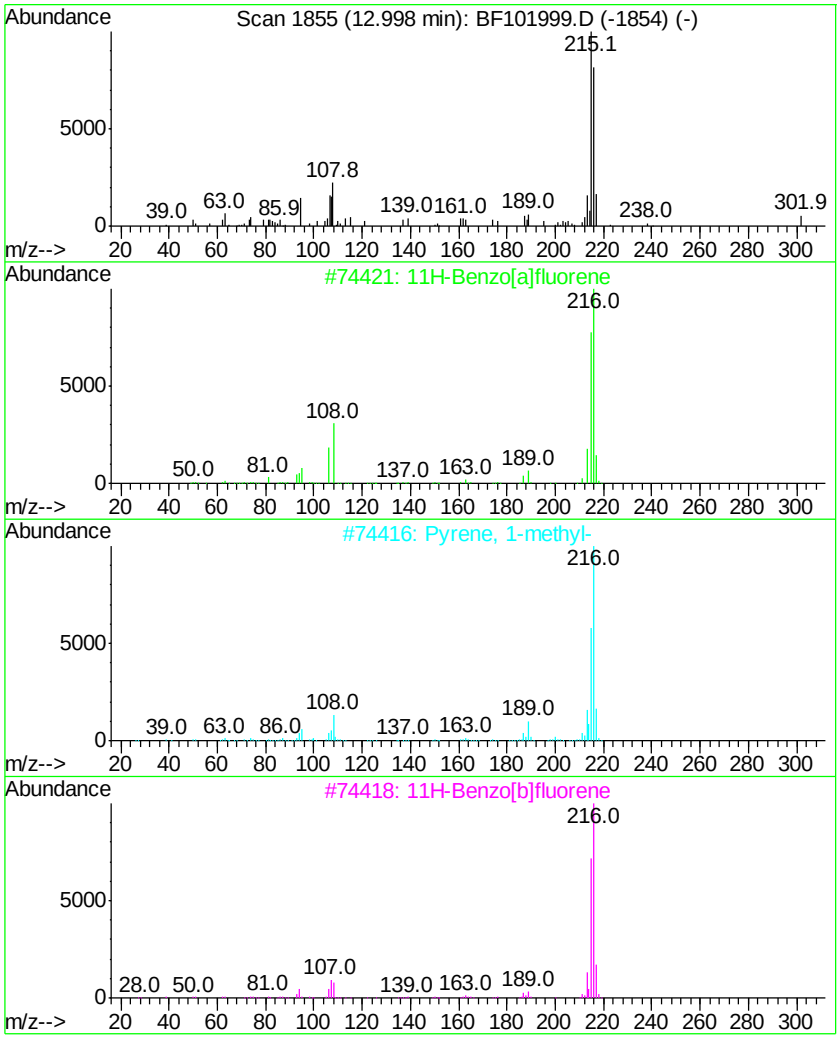
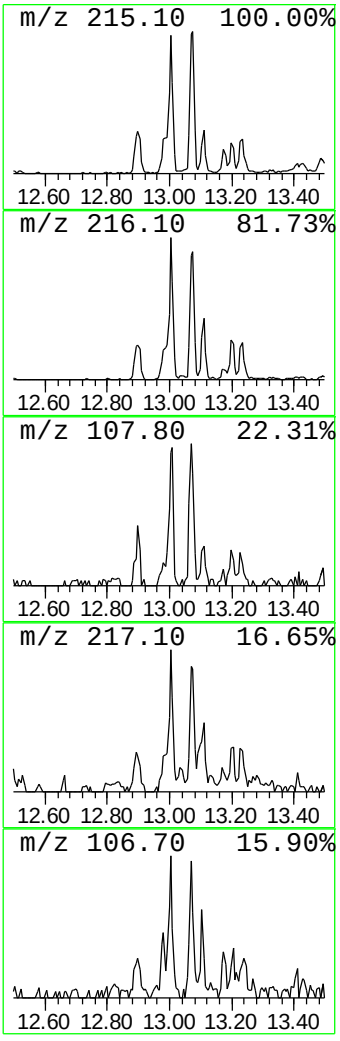
Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.03 ng	145211	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101999.D
Acq On : 11 Jan 2018 00:23
Operator : SJ/JU
Sample : J1076-16 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-53-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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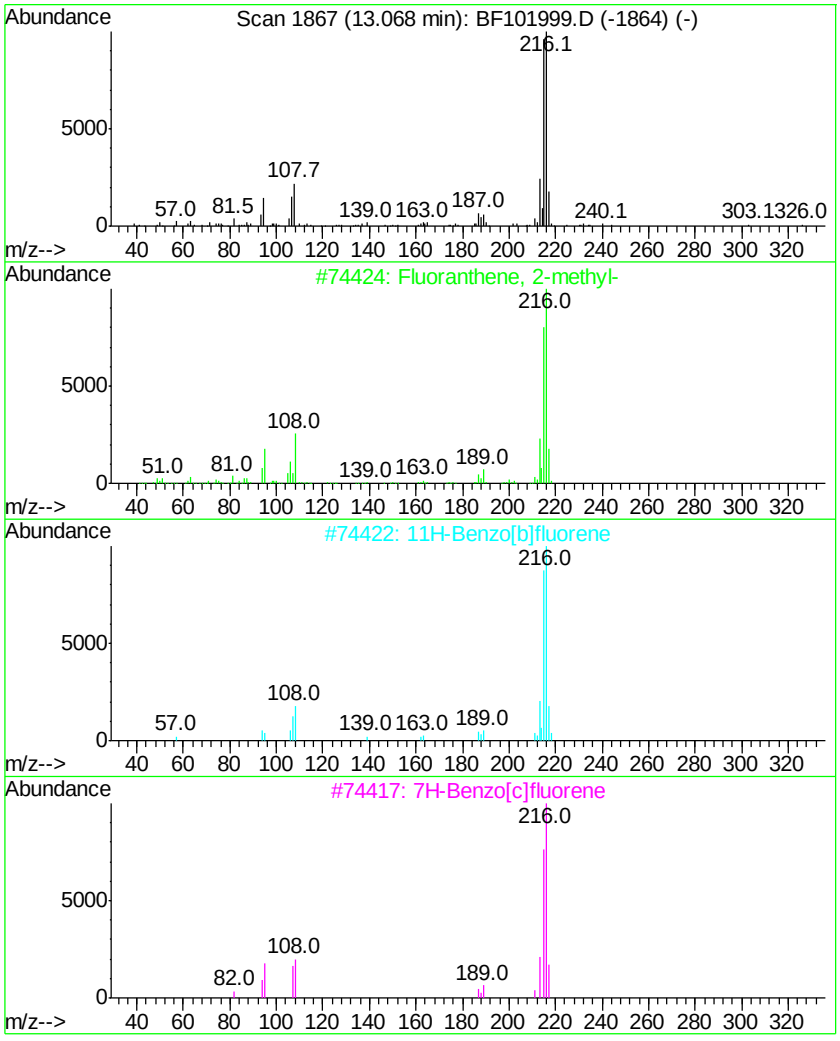
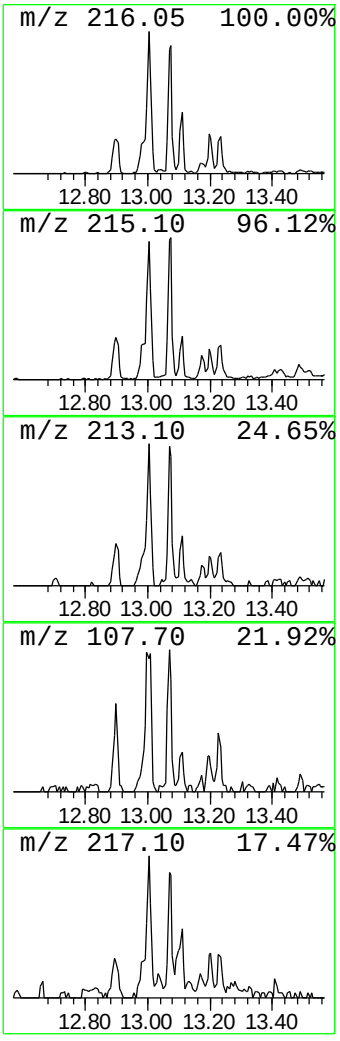
Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.05 ng	146732	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101999.D
Acq On : 11 Jan 2018 00:23
Operator : SJ/JU
Sample : J1076-16 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-53-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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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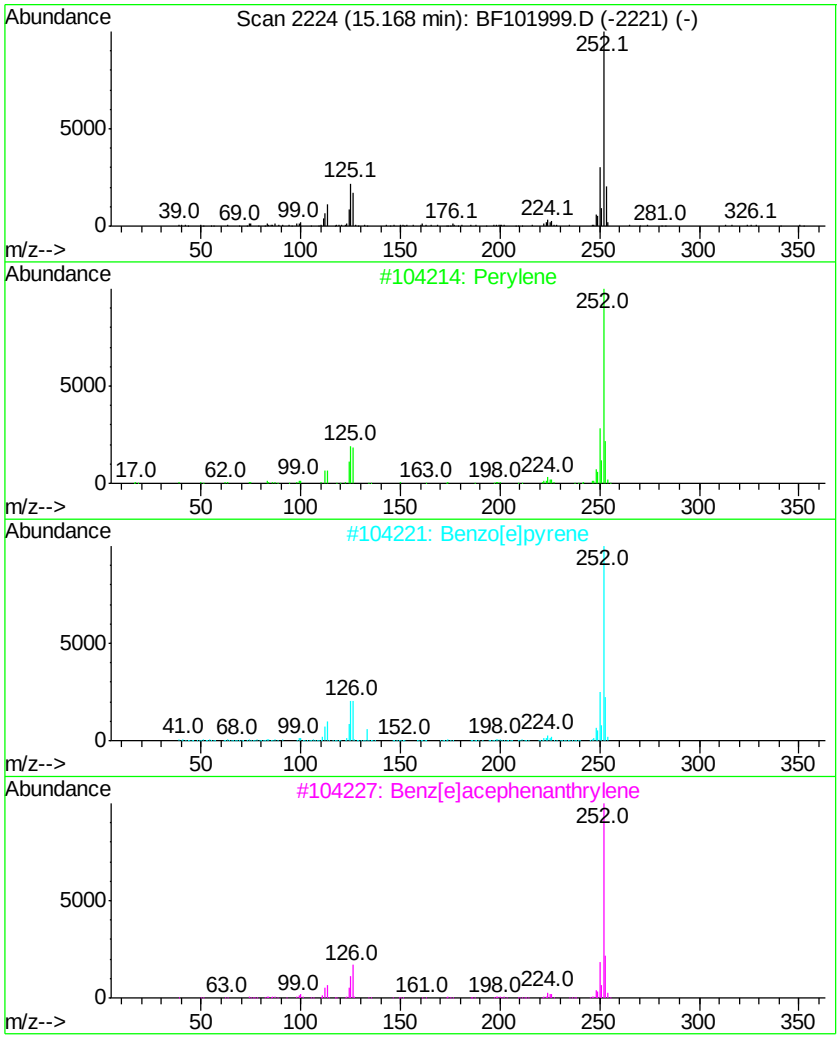
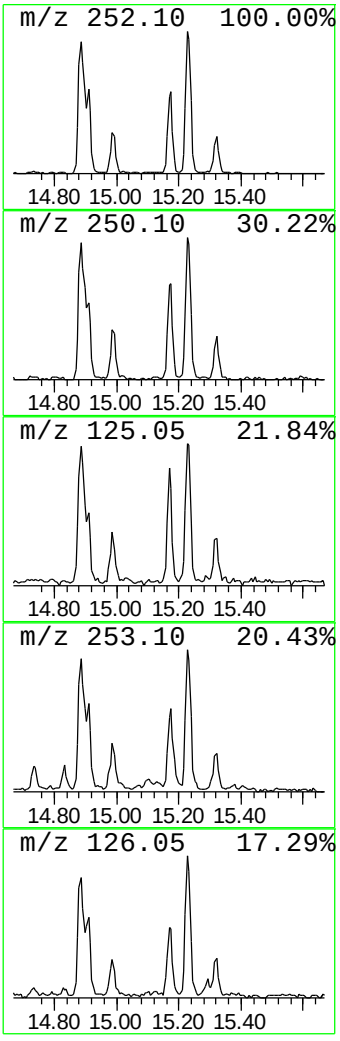
Peak Number 8 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	3.83 ng	215936	Perylene-d12	15.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	97
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_F\DATA\BF011018\
Data File : BF101999.D
Acq On : 11 Jan 2018 00:23
Operator : SJ/JU
Sample : J1076-16 50X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-53-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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
Naphthalene, 1-me...	8.82	3.0	ng	260466	2	8.01	1724510	20.0
5H-Indeno[1,2-b]p...	11.47	2.2	ng	146010	4	11.24	1348260	20.0
Anthracene, 2-met...	11.74	2.3	ng	154188	4	11.24	1348260	20.0
Phenanthrene, 2-m...	11.77	2.5	ng	167539	4	11.24	1348260	20.0
4H-Cyclopenta[def...	11.85	4.8	ng	320262	4	11.24	1348260	20.0
11H-Benzo[a]fluorene	13.00	2.0	ng	145211	5	13.87	1428160	20.0
Fluoranthene, 2-m...	13.07	2.0	ng	146732	5	13.87	1428160	20.0
Perylene	15.17	3.8	ng	215936	6	15.29	1128030	20.0