LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
Data File : BF104600.D
Acq On : 18 Apr 2018 14:38
Operator : JU/SJ
Sample : J2423-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYS-RBR200034

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-BF040618.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	5.016	493	498	507	rBV	98472	125656	3.56%	0.260%
2	5.422	562	567	570	rBV	2471254	2395868	67.82%	4.965%
3	6.440	735	740	743	rBV	2339373	2295205	64.97%	4.756%
4	6.575	758	763	766	rBV	2737220	2420028	68.51%	5.015%
5	6.804	798	802	805	rBV	880619	719613	20.37%	1.491%
6	6.957	824	828	832	rBV	2258458	2002959	56.70%	4.150%
7	7.369	893	898	901	rBV	1664110	1467877	41.55%	3.042%
8	8.086	1016	1020	1023	rBV	1084097	865986	24.52%	1.794%
9	9.163	1199	1203	1206	rBV	2908613	2462200	69.70%	5.102%
10	9.428	1242	1248	1251	rBV	50514	66024	1.87%	0.137%
11	9.498	1256	1260	1262	rBV	96631	91347	2.59%	0.189%
12	9.557	1267	1270	1273	rBV	199526	176666	5.00%	0.366%
13	9.698	1291	1294	1299	rBV	76187	66666	1.89%	0.138%
14	9.769	1303	1306	1310	rVB	69555	57235	1.62%	0.119%
15	9.839	1310	1318	1321	rBV2	971470	832032	23.55%	1.724%
16	9.875	1321	1324	1327	rVB	1068402	843138	23.87%	1.747%
17	9.998	1340	1345	1348	rBV	69540	67371	1.91%	0.140%
18	10.045	1348	1353	1357	rVV	461178	383981	10.87%	0.796%
19	10.080	1357	1359	1364	rVB2	57726	57268	1.62%	0.119%
20	10.269	1388	1391	1393	rVB	95585	83824	2.37%	0.174%
21	10.386	1408	1411	1417	rVB	959947	911116	25.79%	1.888%
22	10.439	1417	1420	1421	rBV	65107	62660	1.77%	0.130%
23	10.451	1421	1422	1424	rVV	121250	101731	2.88%	0.211%
24	10.475	1424	1426	1429	rVV2	154190	144294	4.08%	0.299%
25	10.522	1432	1434	1436	rVV	64983	57850	1.64%	0.120%
26	10.545	1436	1438	1441	rVB	220003	162913	4.61%	0.338%
27	10.633	1449	1453	1457	rBV	1359510	1339887	37.93%	2.776%
28	10.739	1468	1471	1472	rBV2	89888	75758	2.14%	0.157%
29	10.757	1472	1474	1479	rVB	107508	95056	2.69%	0.197%
30	10.939	1498	1505	1507	rBV2	181931	236476	6.69%	0.490%
31	10.963	1507	1509	1512	rVV2	86825	84901	2.40%	0.176%
32	11.022	1516	1519	1521	rVV	77948	75517	2.14%	0.156%
33	11.063	1521	1526	1528	rVV2	88492	104411	2.96%	0.216%
34	11.086	1528	1530	1532	rVV2	100670	88038	2.49%	0.182%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
Data File : BF104600.D
Acq On : 18 Apr 2018 14:38
Operator : JU/SJ
Sample : J2423-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYS-RBR200034

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-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.133	1535	1538	1542	rVV2	105591	104860	2.97%	0.217%
36	11.186	1542	1547	1550	rVV2	101019	164889	4.67%	0.342%
37	11.227	1550	1554	1559	rVB	304035	301160	8.53%	0.624%
38	11.327	1568	1571	1573	rBV	679572	678030	19.19%	1.405%
39	11.357	1573	1576	1579	rVV	2971533	3042097	86.12%	6.304%
40	11.404	1582	1584	1587	rVV	513443	407989	11.55%	0.845%
41	11.439	1587	1590	1596	rVB2	65429	82008	2.32%	0.170%
42	11.563	1604	1611	1619	rBV3	134867	226560	6.41%	0.469%
43	11.622	1619	1621	1625	rVV3	85885	82653	2.34%	0.171%
44	11.833	1651	1657	1659	rVV	373081	348447	9.86%	0.722%
45	11.857	1659	1661	1665	rVV	469556	427355	12.10%	0.886%
46	11.910	1665	1670	1672	rVV	158858	165081	4.67%	0.342%
47	11.945	1672	1676	1678	rVV2	925442	861811	24.40%	1.786%
48	11.963	1678	1679	1684	rVB	187916	149506	4.23%	0.310%
49	12.127	1704	1707	1710	rBV	238999	196154	5.55%	0.406%
50	12.151	1710	1711	1714	rVB	67746	54433	1.54%	0.113%
51	12.274	1730	1732	1735	rVB	77964	59790	1.69%	0.124%
52	12.304	1735	1737	1739	rBV	68902	57966	1.64%	0.120%
53	12.333	1739	1742	1746	rVB	59835	57450	1.63%	0.119%
54	12.380	1746	1750	1753	rBV	121443	144258	4.08%	0.299%
55	12.421	1753	1757	1759	rVV2	88825	108272	3.07%	0.224%
56	12.469	1762	1765	1769	rBV	144474	150273	4.25%	0.311%
57	12.551	1774	1779	1782	rBV	3270358	3532465	100.00%	7.320%
58	12.698	1796	1804	1807	rBV2	140858	207550	5.88%	0.430%
59	12.780	1811	1818	1823	rBV2	2576573	3254828	92.14%	6.745%
60	12.821	1823	1825	1830	rVB2	142465	143274	4.06%	0.297%
61	12.892	1833	1837	1838	rBV	194372	169300	4.79%	0.351%
62	12.916	1838	1841	1848	rVB	1987186	1984850	56.19%	4.113%
63	12.992	1848	1854	1858	rBV3	164246	289927	8.21%	0.601%
64	13.080	1865	1869	1870	rBV2	116456	145090	4.11%	0.301%
65	13.104	1870	1873	1877	rVB	516007	463386	13.12%	0.960%
66	13.168	1881	1884	1887	rBV	518207	454382	12.86%	0.942%
67	13.204	1887	1890	1893	rVV2	202354	233323	6.61%	0.483%
68	13.227	1893	1894	1898	rVB	102794	84292	2.39%	0.175%
69	13.298	1903	1906	1909	rBV	88336	68054	1.93%	0.141%
70	13.327	1909	1911	1915	rBV2	99194	108118	3.06%	0.224%
71	13.586	1951	1955	1957	rBV	59825	76279	2.16%	0.158%

LSC Area Percent Report

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Acq On : 18 Apr 2018 14:38
Operator : JU/SJ
Sample : J2423-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYS-RBR200034

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-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.610	1957	1959	1963	rVB	79724	87712	2.48%	0.182%
73	13.721	1974	1978	1981	rBV	219841	229320	6.49%	0.475%
74	13.751	1981	1983	1985	rVV	211183	176573	5.00%	0.366%
75	13.774	1985	1987	1990	rVV2	155010	191843	5.43%	0.398%
76	13.810	1990	1993	1998	rVB3	314021	380206	10.76%	0.788%
77	13.892	2004	2007	2013	rVB	66638	78495	2.22%	0.163%
78	13.968	2013	2020	2024	rBV2	1249135	2083577	58.98%	4.318%
79	14.004	2024	2026	2031	rVB	680456	596593	16.89%	1.236%
80	14.080	2036	2039	2042	rBV	238332	185833	5.26%	0.385%
81	14.363	2083	2087	2090	rVV	131277	140874	3.99%	0.292%
82	14.398	2090	2093	2096	rVB2	70264	71890	2.04%	0.149%
83	14.451	2098	2102	2106	rVV3	90008	160831	4.55%	0.333%
84	14.492	2106	2109	2110	rVV	89072	80634	2.28%	0.167%
85	14.510	2110	2112	2116	rVB2	104494	108784	3.08%	0.225%
86	14.674	2136	2140	2143	rBV3	76700	91347	2.59%	0.189%
87	15.015	2193	2198	2201	rBV	518386	759160	21.49%	1.573%
88	15.121	2212	2216	2220	rVB	102366	130971	3.71%	0.271%
89	15.315	2245	2249	2255	rVB	265487	319337	9.04%	0.662%
90	15.374	2255	2259	2265	rBV	318434	397522	11.25%	0.824%
91	15.439	2265	2270	2274	rBV	650771	903064	25.56%	1.871%
92	15.886	2342	2346	2350	rBV	80240	108885	3.08%	0.226%
93	15.939	2351	2355	2361	rVB2	70880	107910	3.05%	0.224%
94	16.674	2476	2480	2487	rBV6	30904	73468	2.08%	0.152%
95	16.886	2510	2516	2522	rBV2	79956	163980	4.64%	0.340%
96	16.962	2527	2529	2537	rVB4	49334	87172	2.47%	0.181%
97	17.056	2539	2545	2552	rBV6	32357	78534	2.22%	0.163%
98	17.321	2582	2590	2599	rBV2	52358	131851	3.73%	0.273%
99	17.445	2606	2611	2622	rVB9	63899	166565	4.72%	0.345%
100	18.462	2782	2784	2797	rVB10	24207	57822	1.64%	0.120%

Sum of corrected areas: 48258465

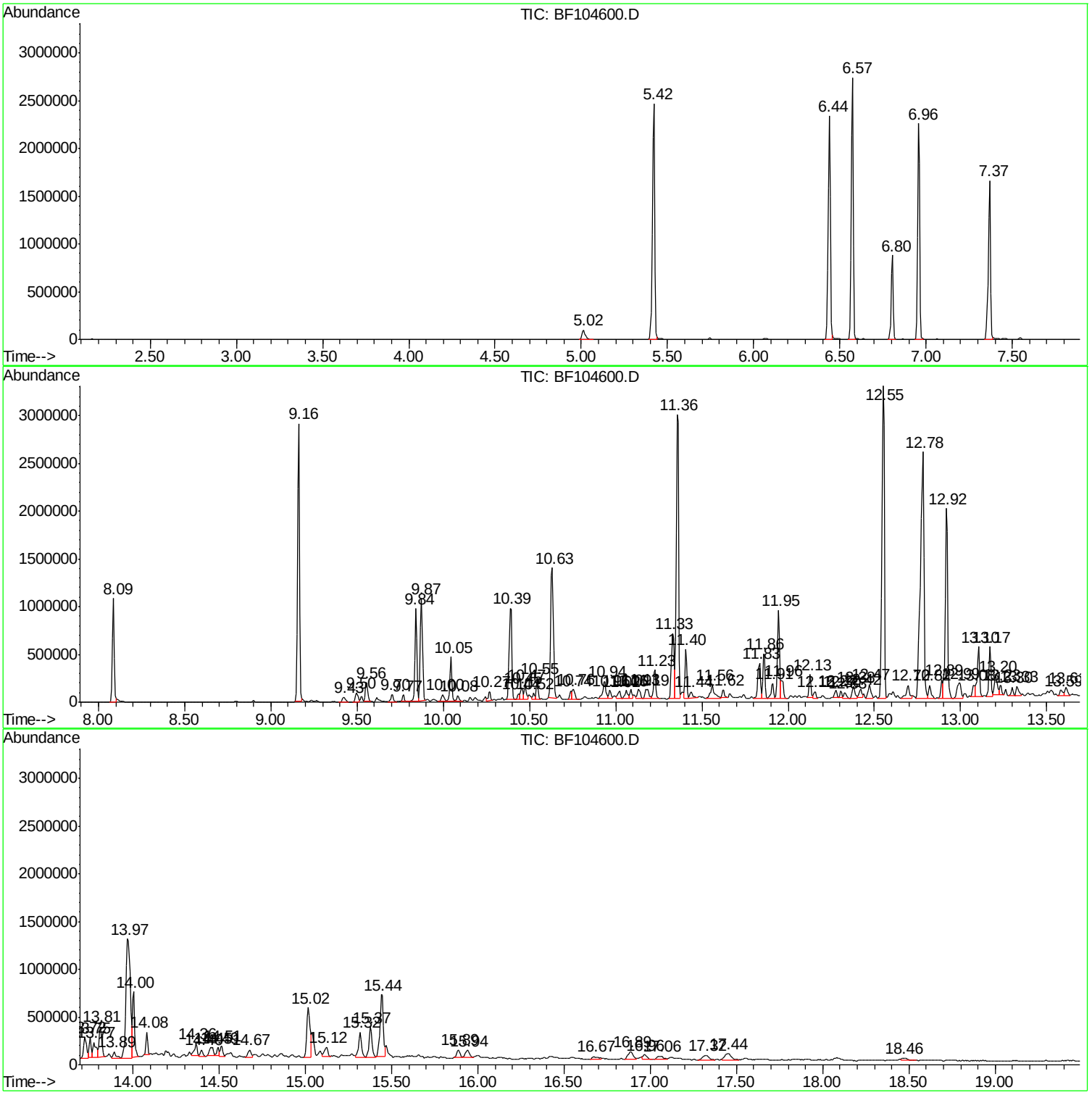
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
Data File : BF104600.D
Acq On : 18 Apr 2018 14:38
Operator : JU/SJ
Sample : J2423-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYS-RBR200034

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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\BF041818\
Data File : BF104600.D
Acq On : 18 Apr 2018 14:38
Operator : JU/SJ
Sample : J2423-01
Misc :
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Instrument : BNA_F
ClientSampleId : NYS-RBR200034

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

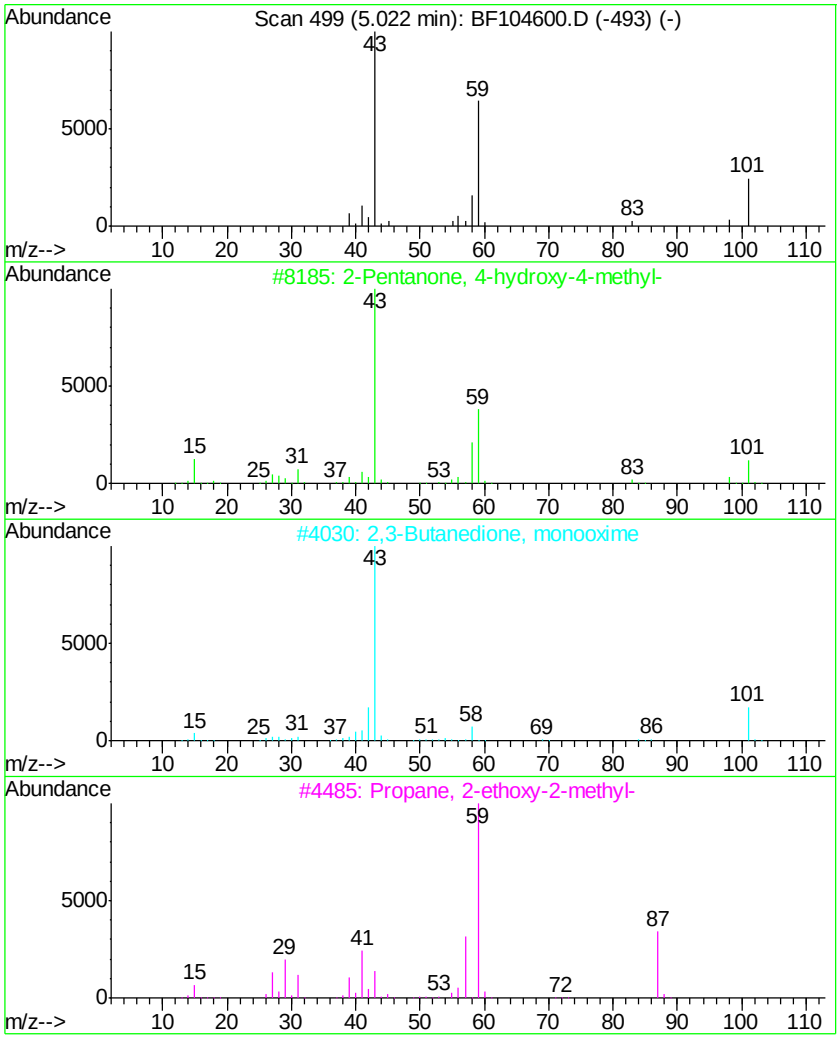
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

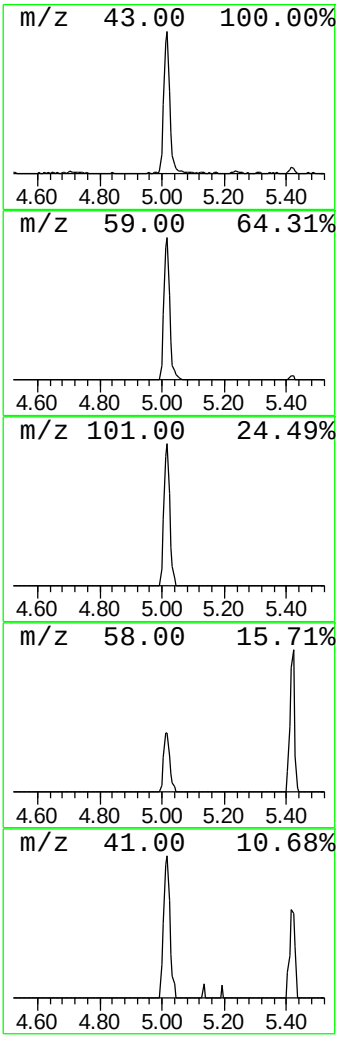
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	3.49 ng	125656	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	17
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
Data File : BF104600.D
Acq On : 18 Apr 2018 14:38
Operator : JU/SJ
Sample : J2423-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYS-RBR200034

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

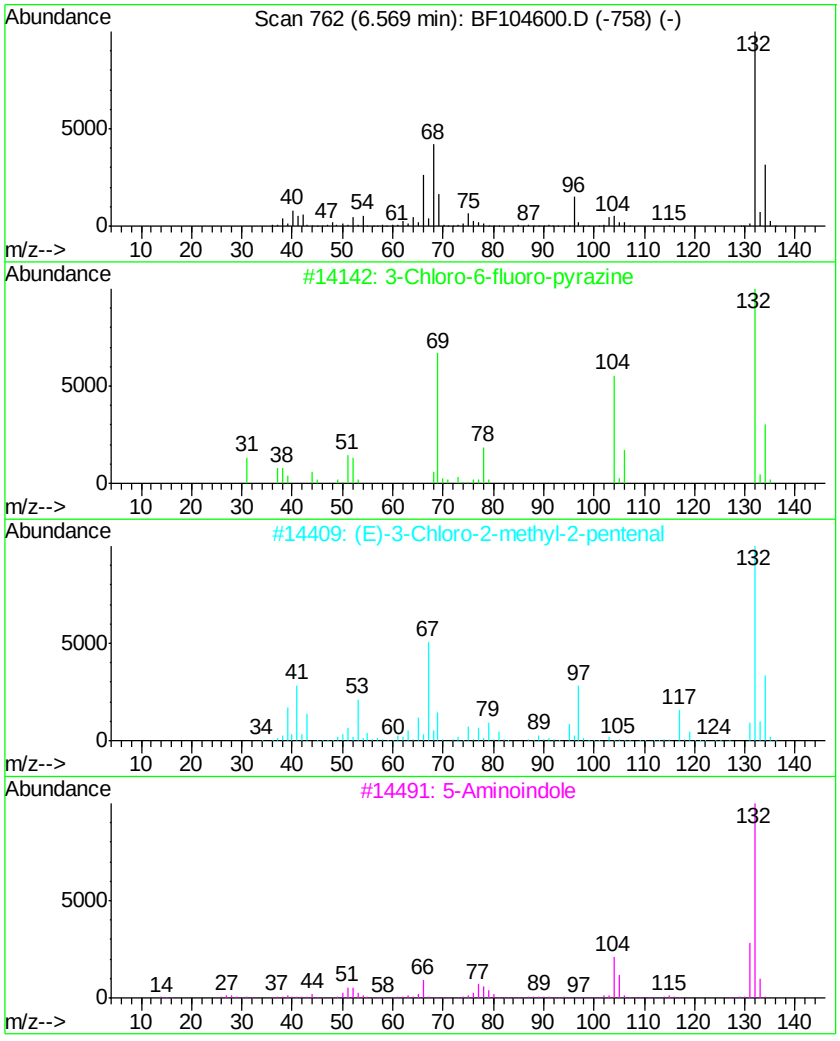
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

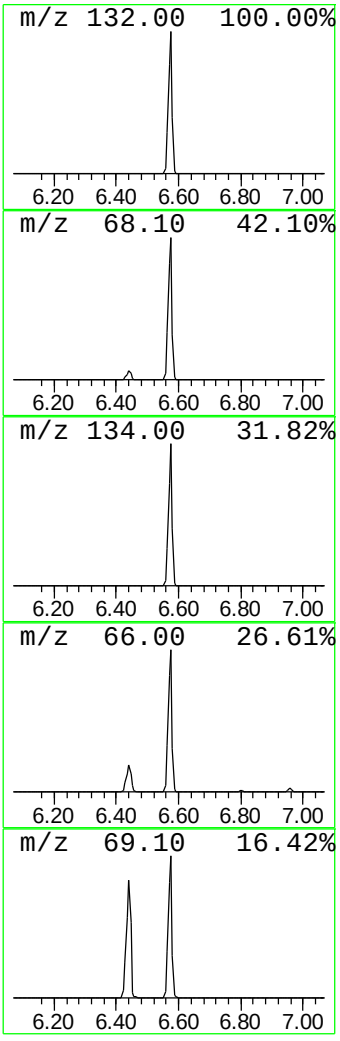
****

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	67.26 ng	2420030	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
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Acq On : 18 Apr 2018 14:38
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Sample : J2423-01
Misc :
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Instrument : BNA_F
ClientSampleId : NYS-RBR200034

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
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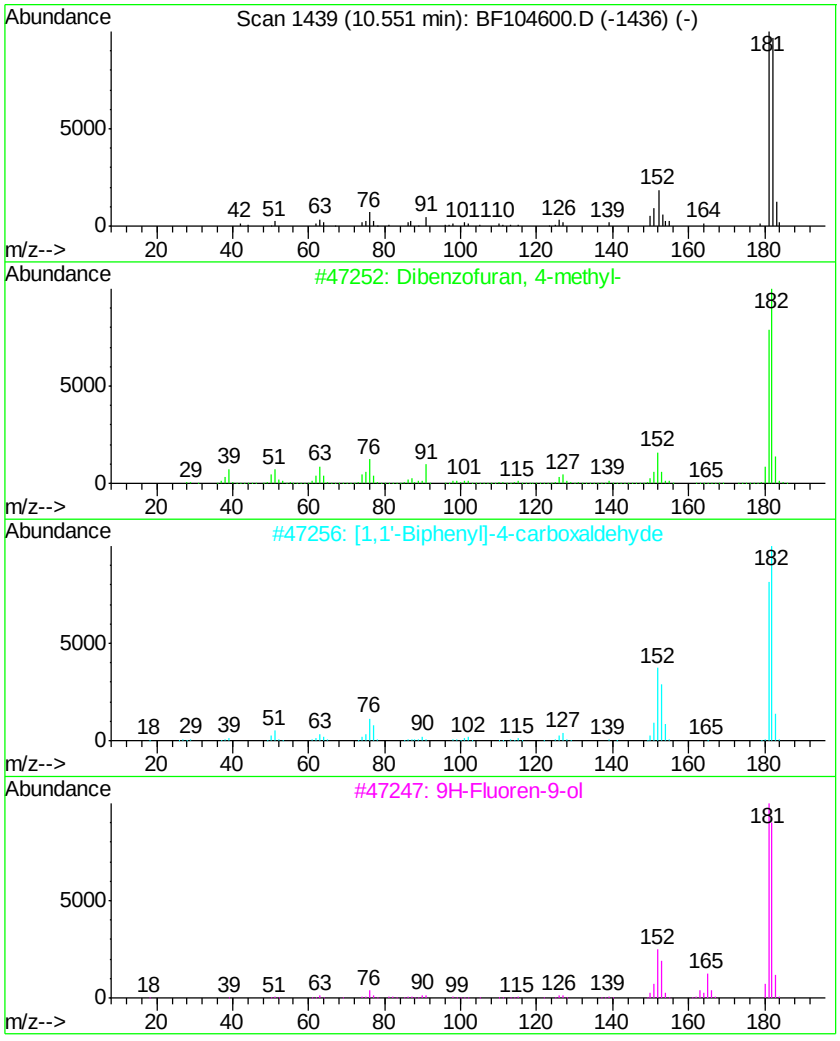
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

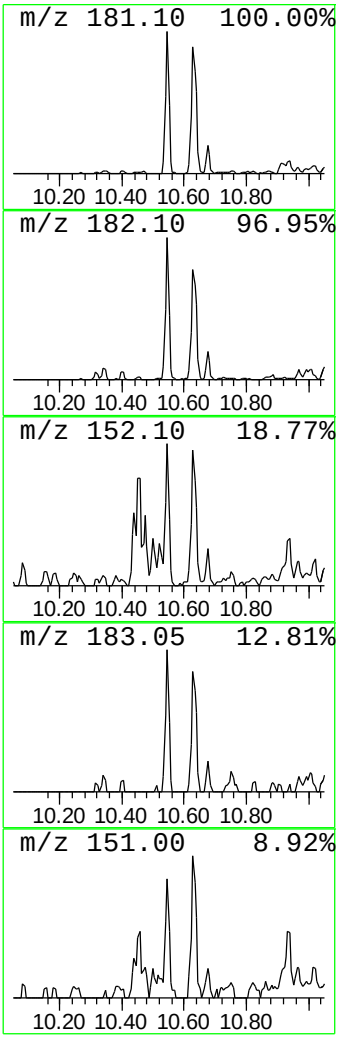
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	3.92 ng	162913	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	9H-Xanthene	182	C13H10O	000092-83-1	60





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
Data File : BF104600.D
Acq On : 18 Apr 2018 14:38
Operator : JU/SJ
Sample : J2423-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYS-RBR200034

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

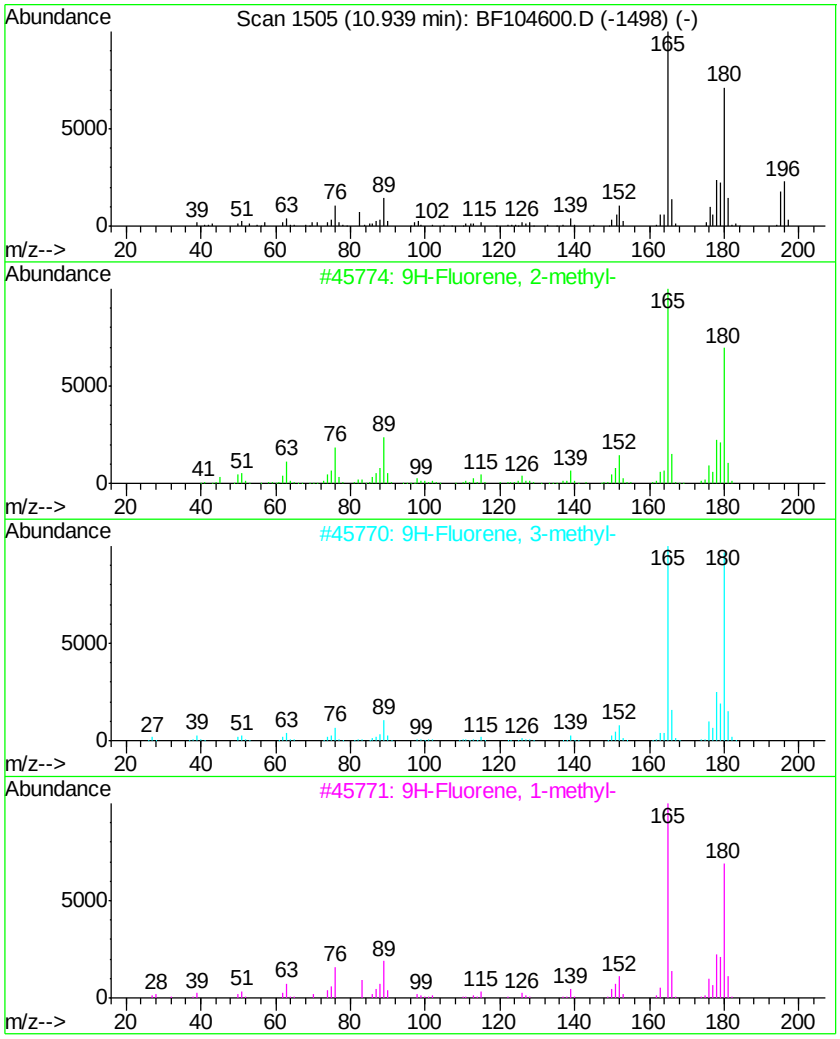
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

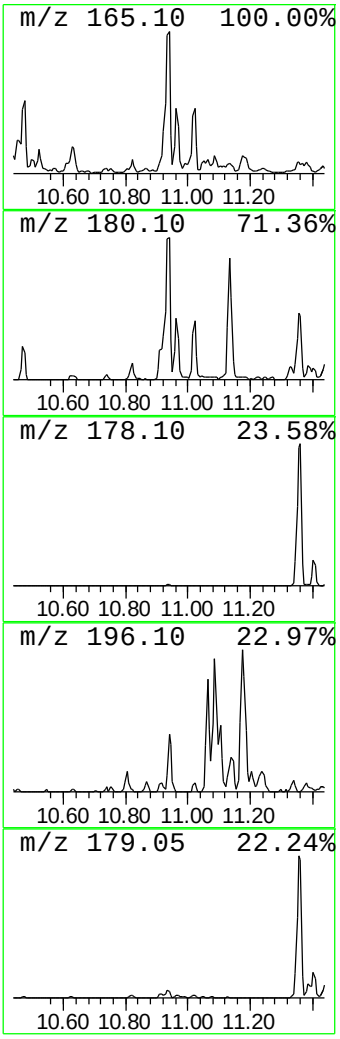
****

Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	6.98 ng	236476	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
Data File : BF104600.D
Acq On : 18 Apr 2018 14:38
Operator : JU/SJ
Sample : J2423-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYS-RBR200034

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

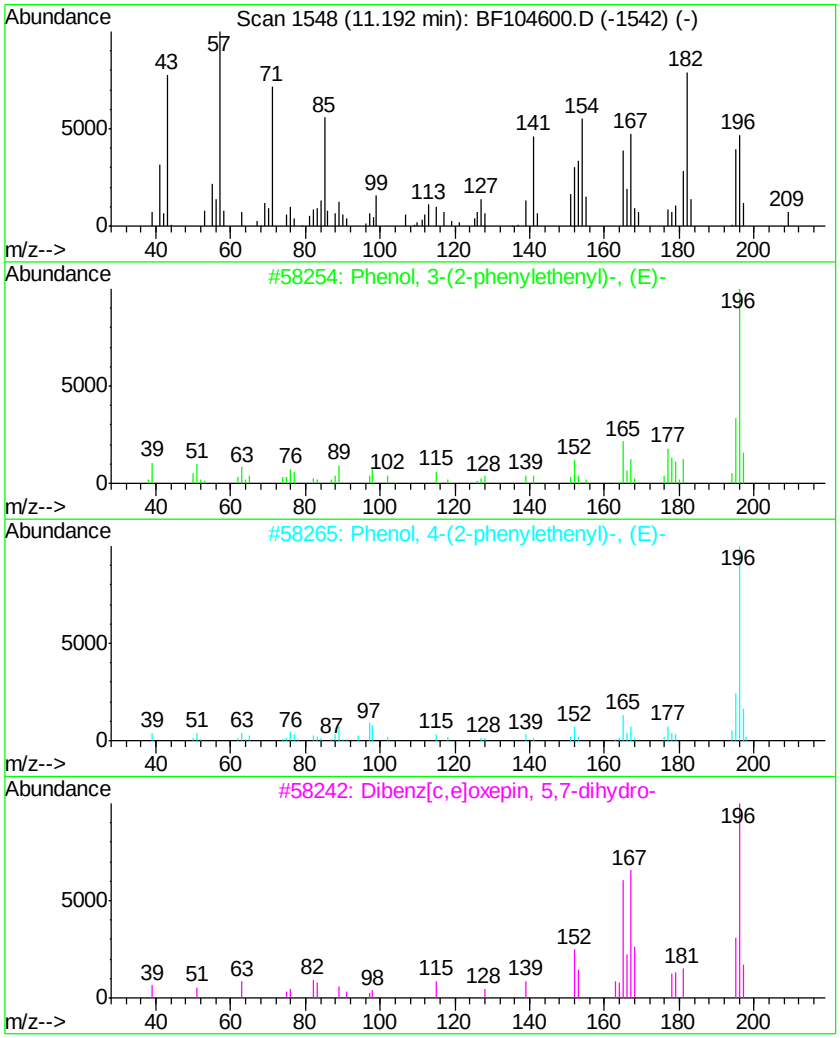
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

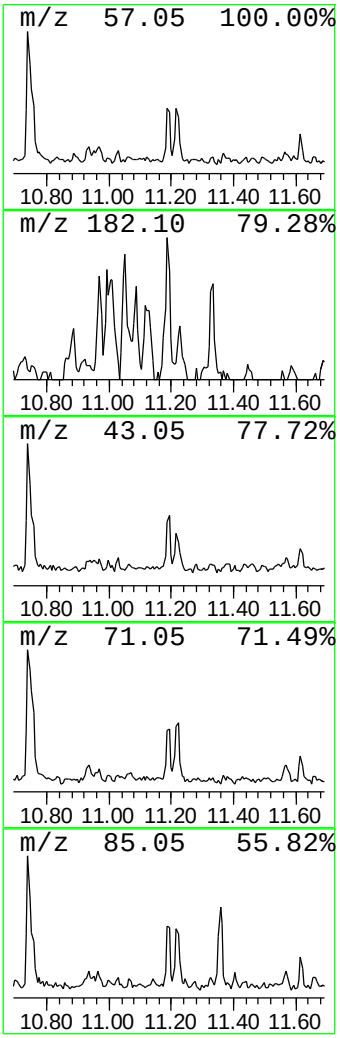
****

Peak Number 6 Phenol, 3-(2-phenylethenyl)... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	4.86 ng	164889	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	55
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
3	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	46
4	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	46
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	43





Library Search Compound Report

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Acq On : 18 Apr 2018 14:38
Operator : JU/SJ
Sample : J2423-01
Misc :
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ClientSampleId : NYS-RBR200034

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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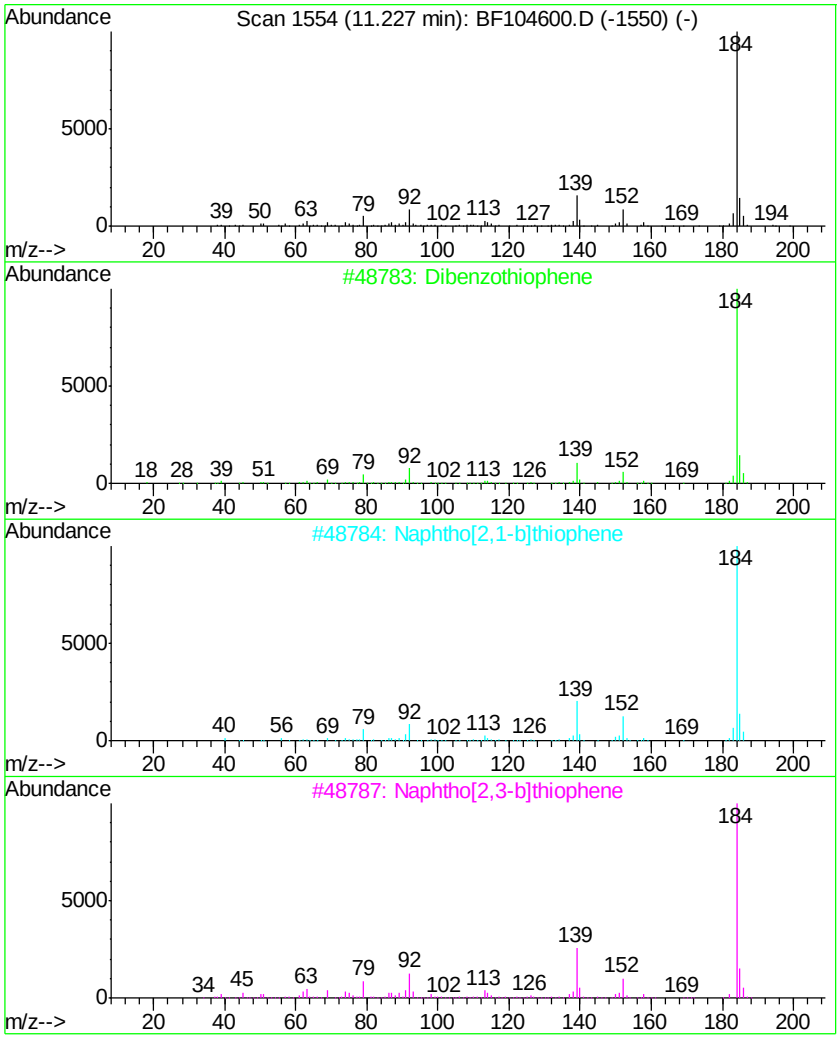
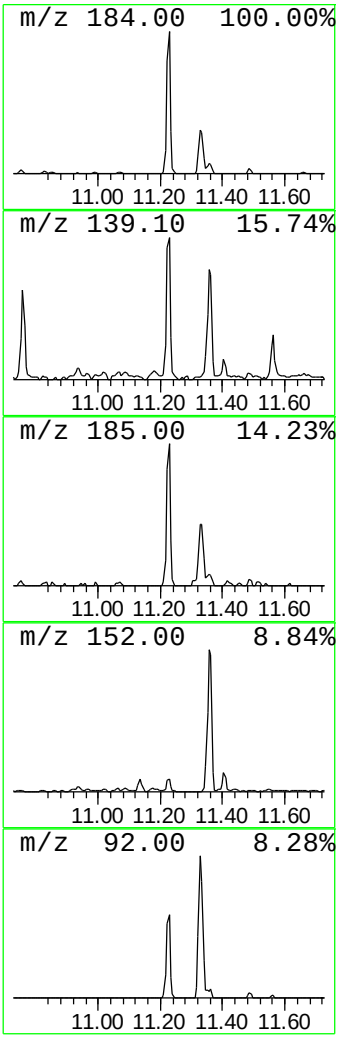
Peak Number 7 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	8.88 ng	301160	Phenanthrene-d10	11.33

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	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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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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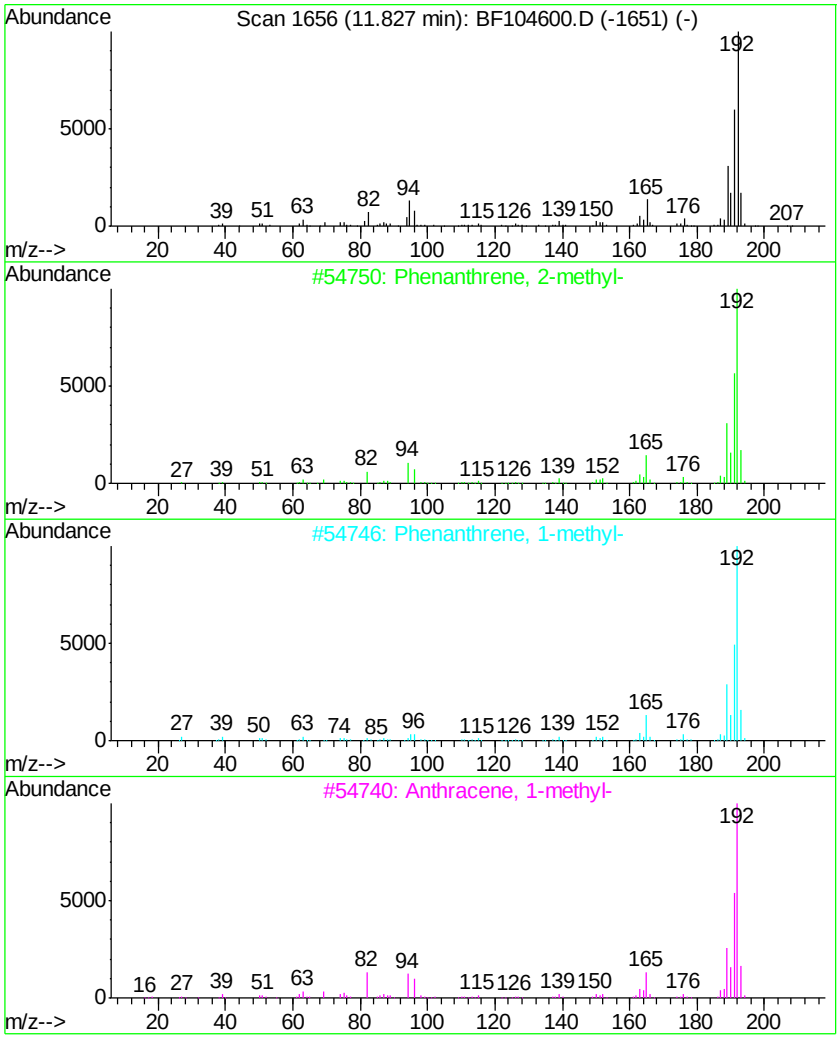
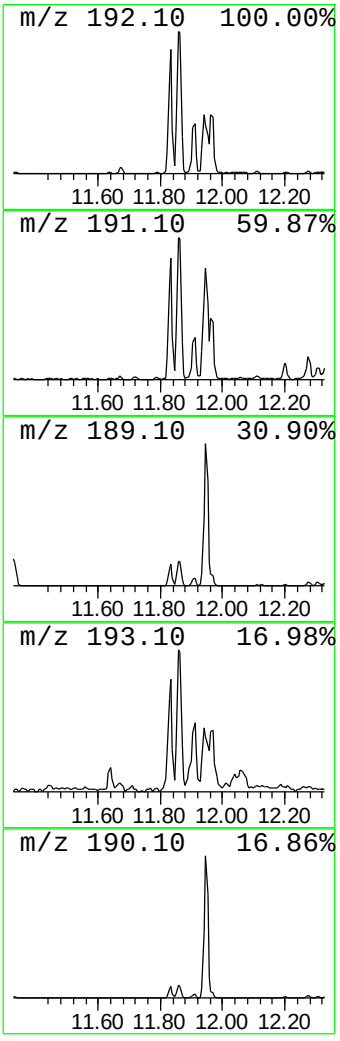
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	10.28 ng	348447	Phenanthrene-d10	11.33

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	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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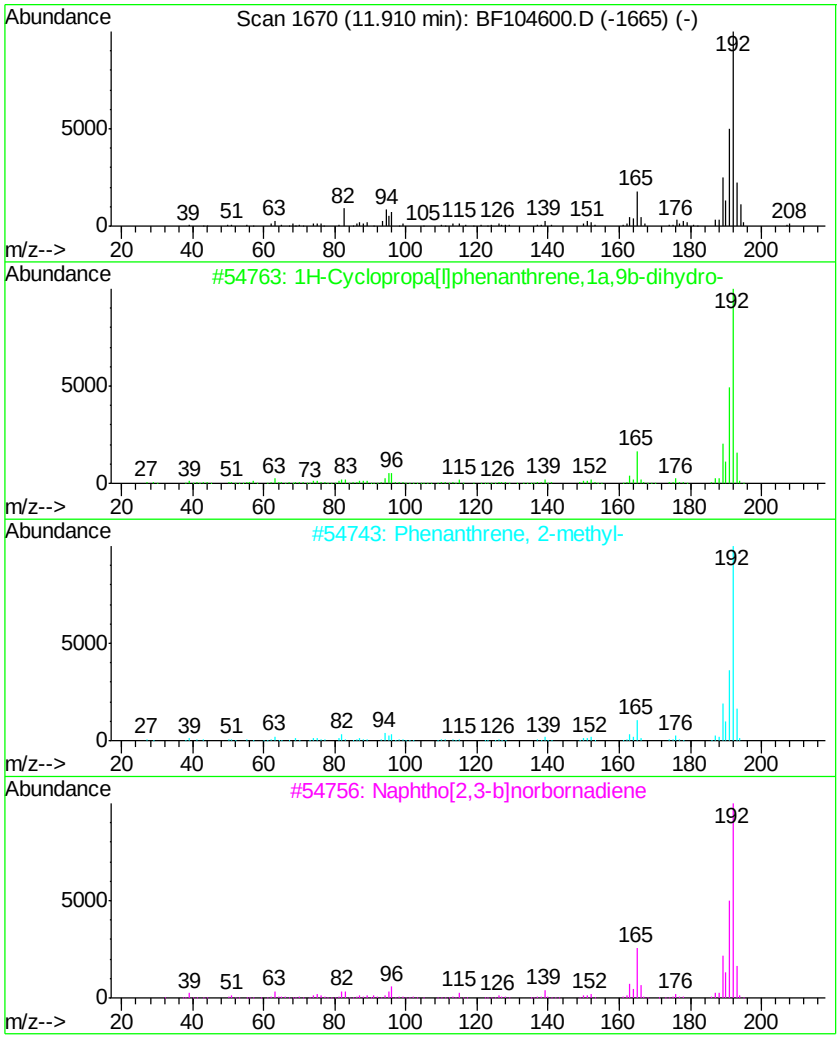
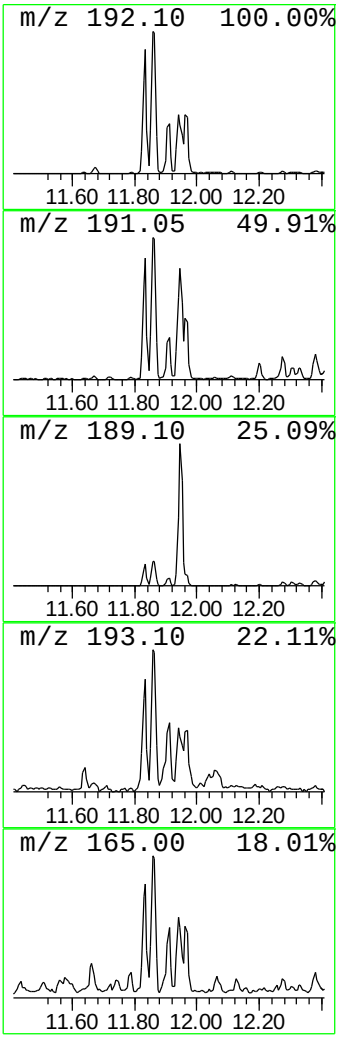
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	4.87 ng	165081	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





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Sample : J2423-01
Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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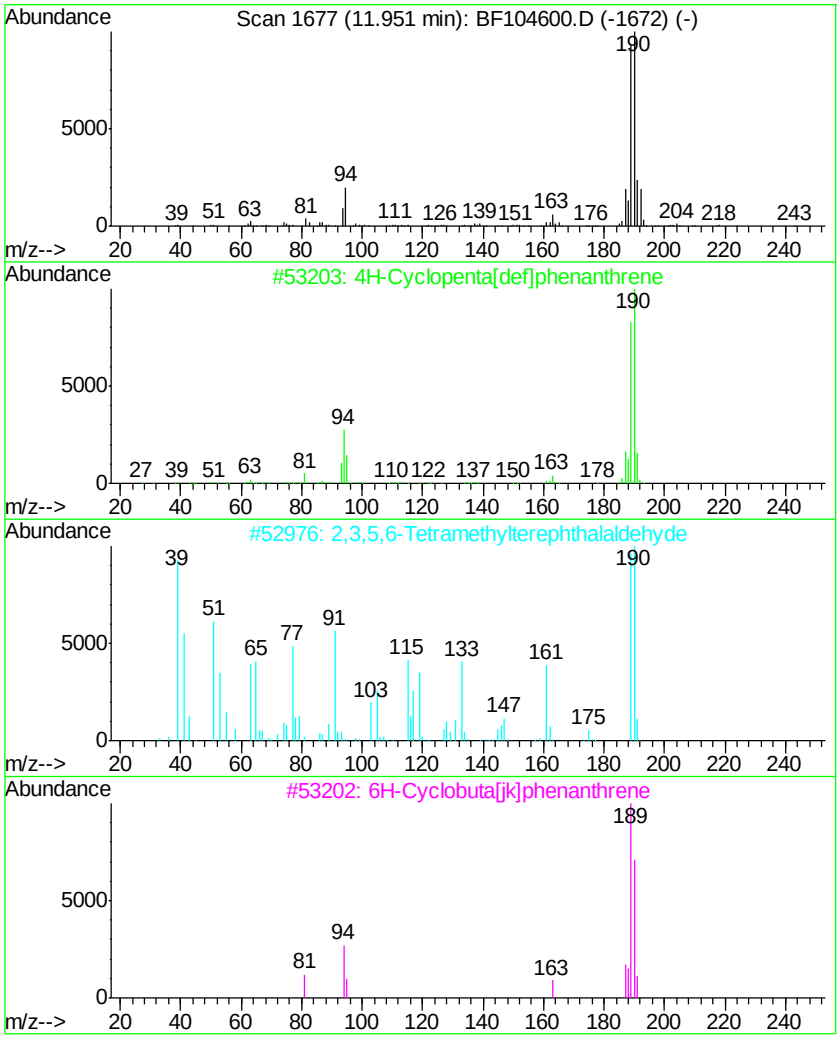
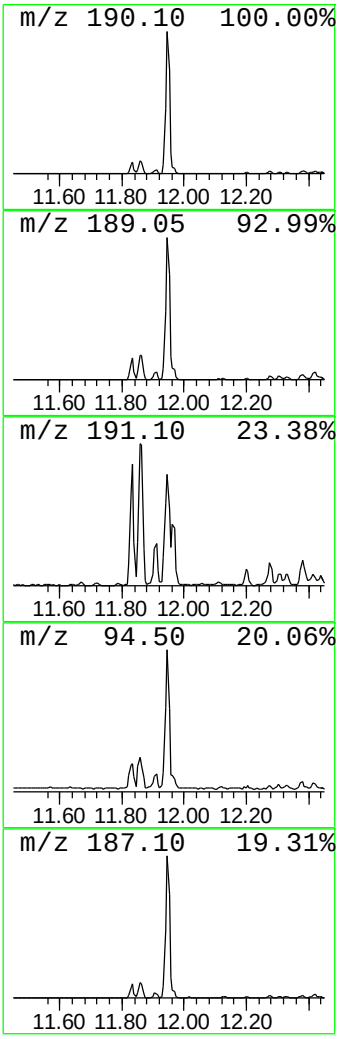
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	25.42 ng	861811	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





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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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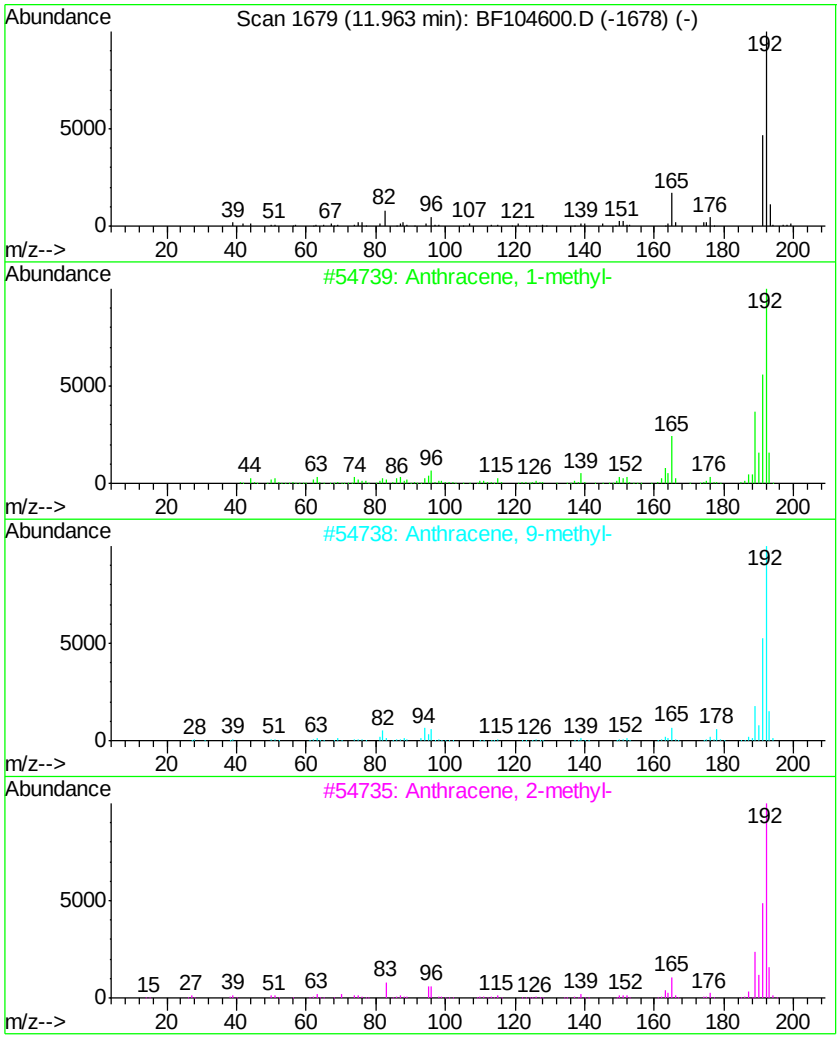
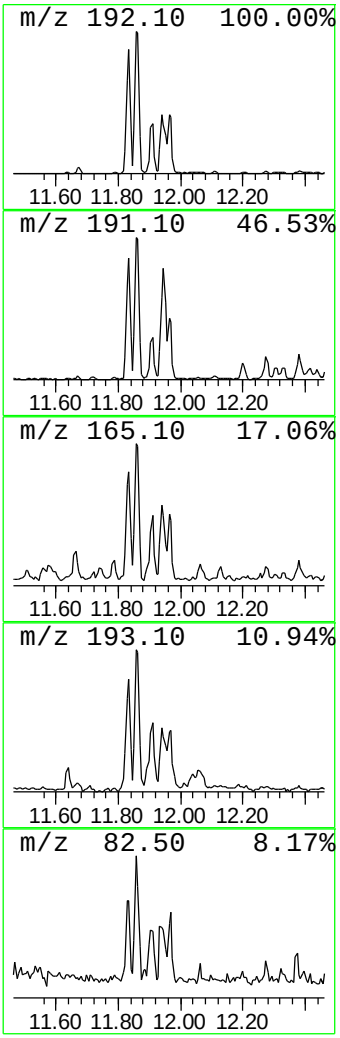
Peak Number 12 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	4.41 ng	149506	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	86
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	80
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80





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Sample : J2423-01
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ALS Vial : 14 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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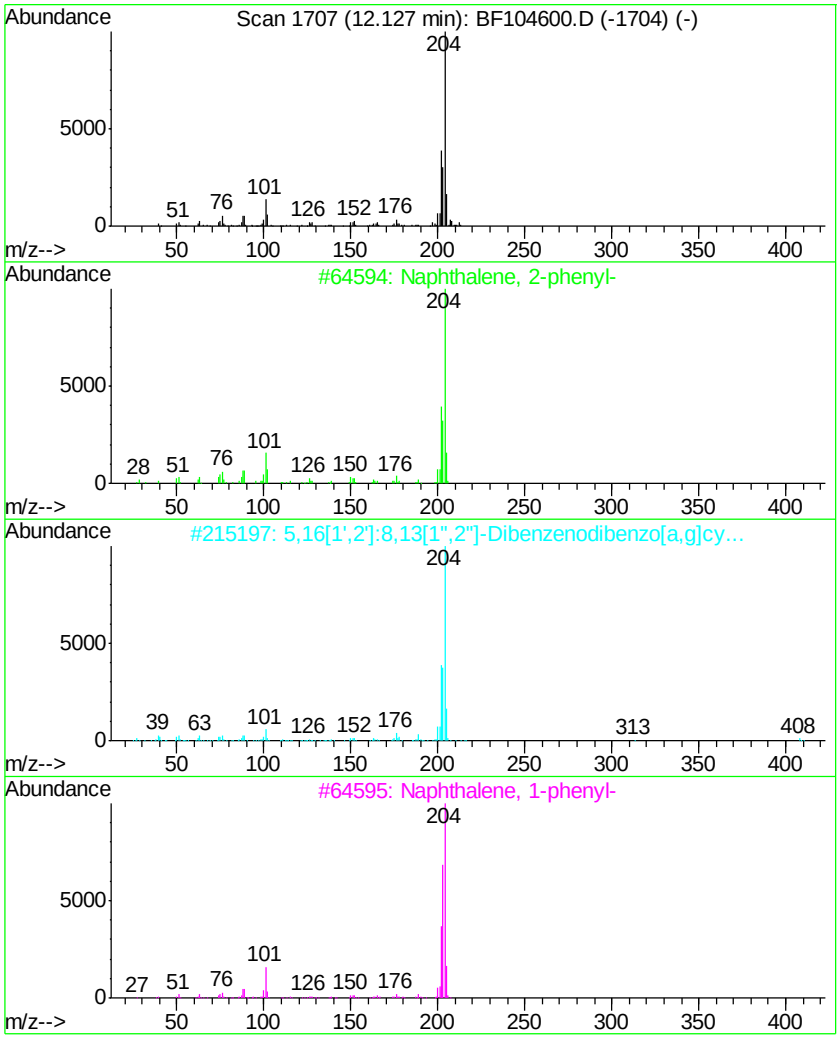
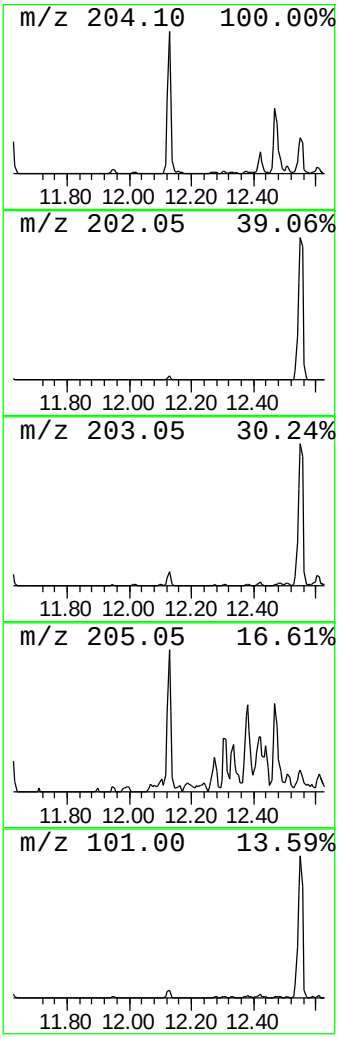
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	5.79 ng	196154	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
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





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Misc :
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Instrument : BNA_F
ClientSampleId : NYS-RBR200034

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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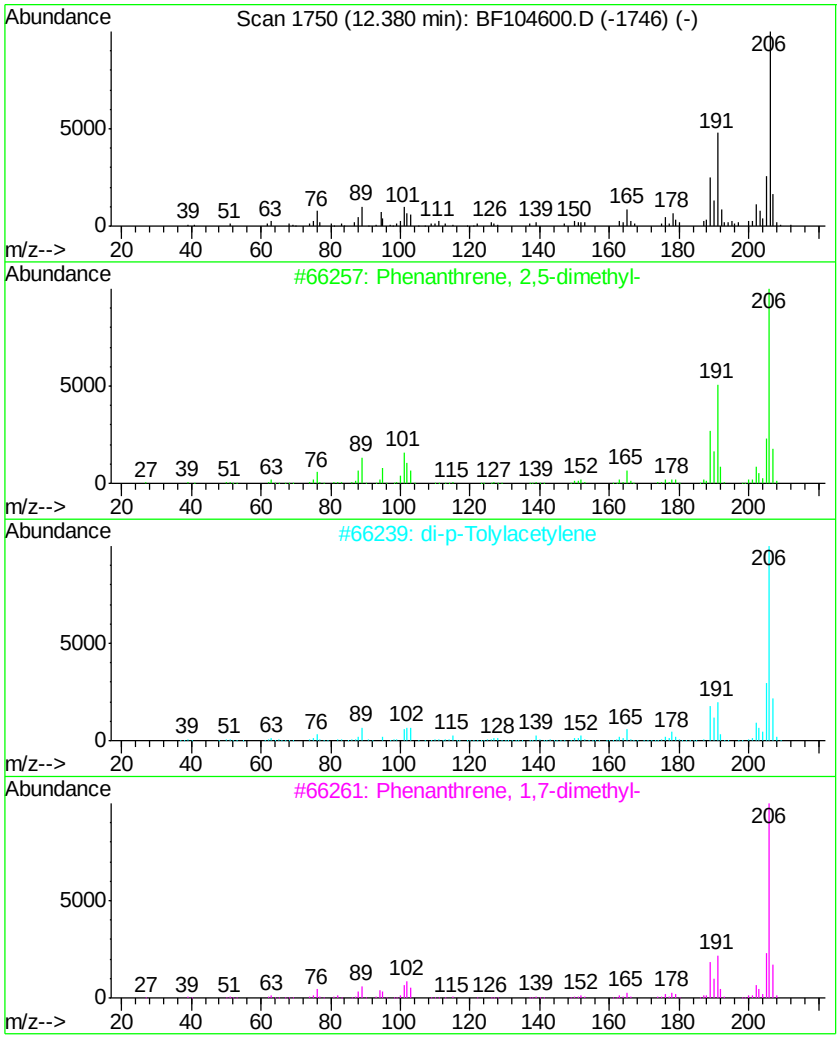
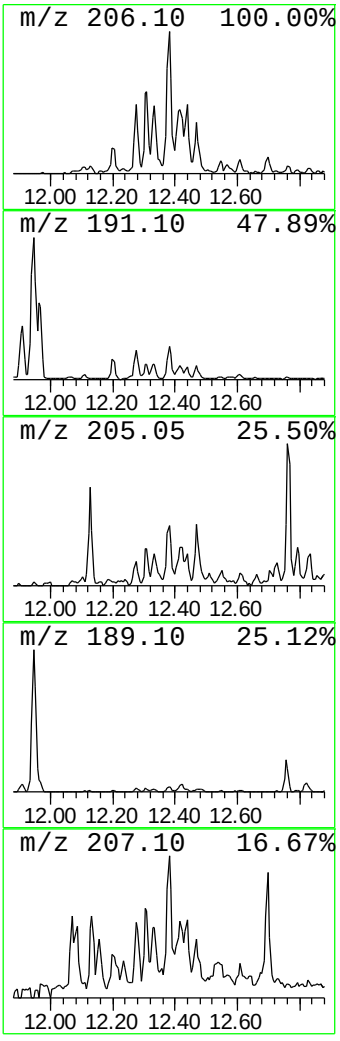
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	4.26 ng	144258	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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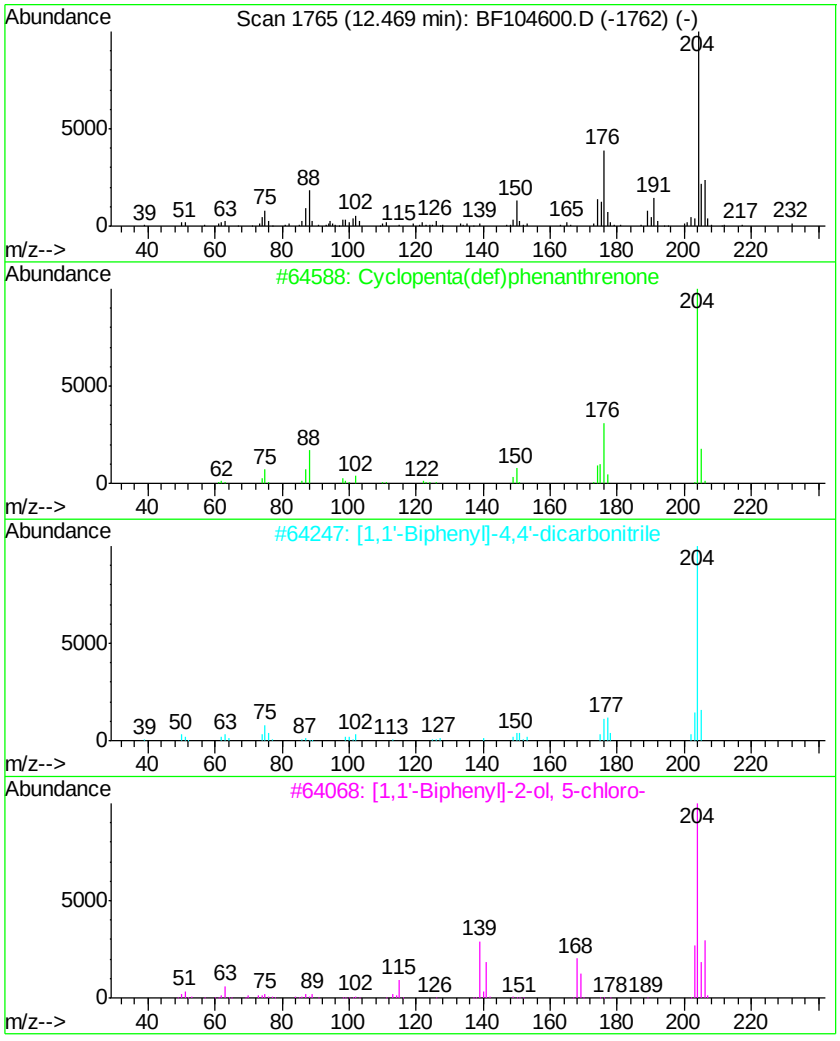
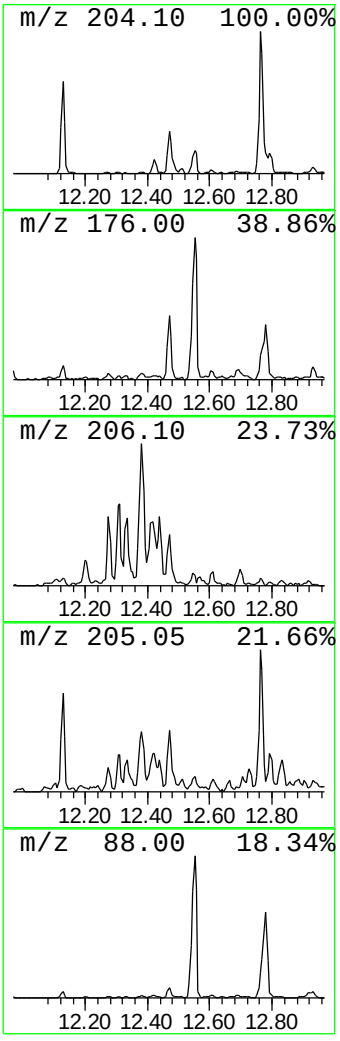
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	4.43 ng	150273	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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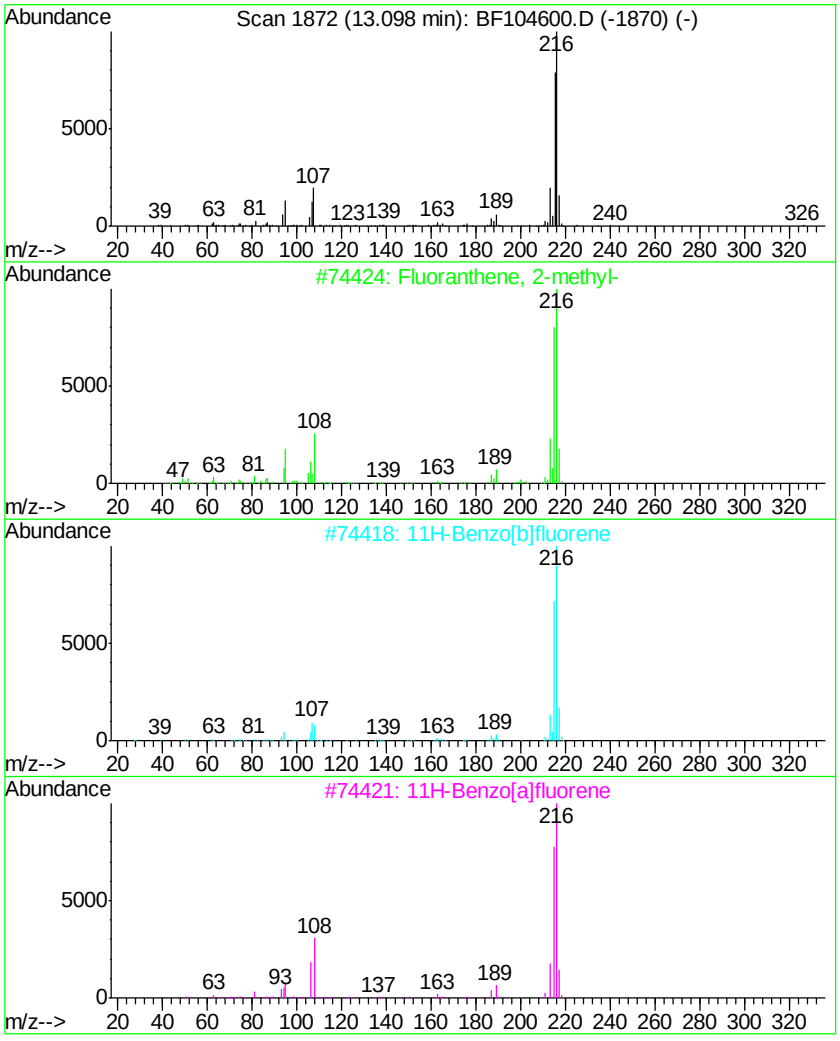
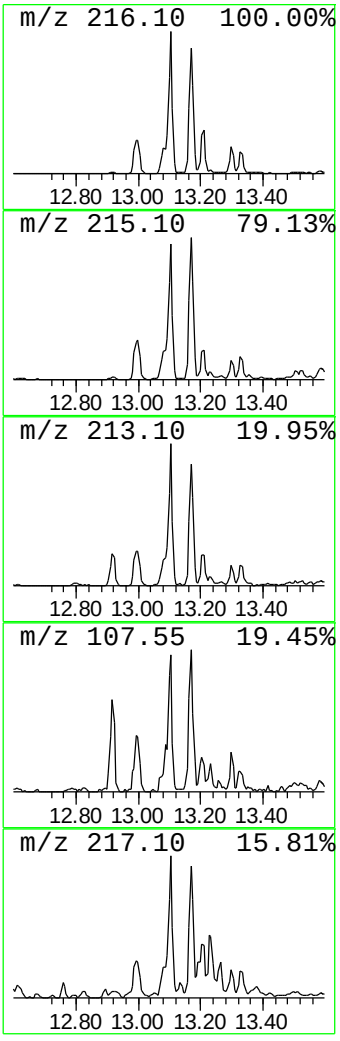
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	4.45 ng	463386	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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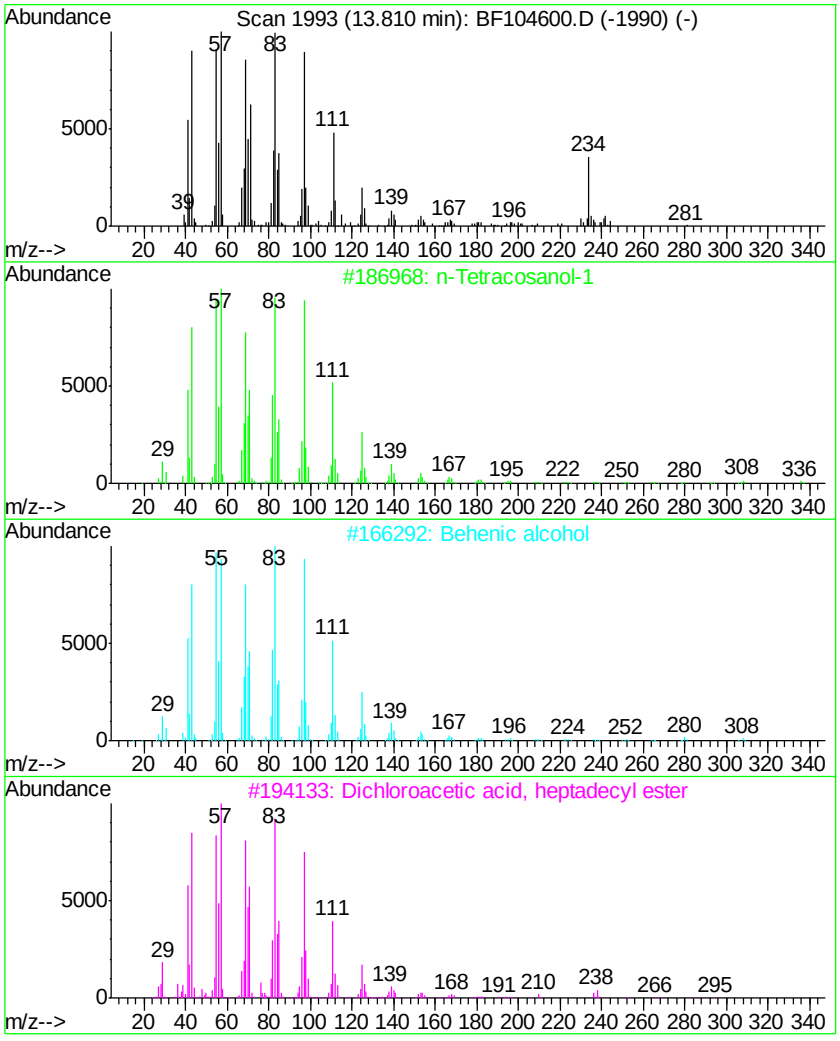
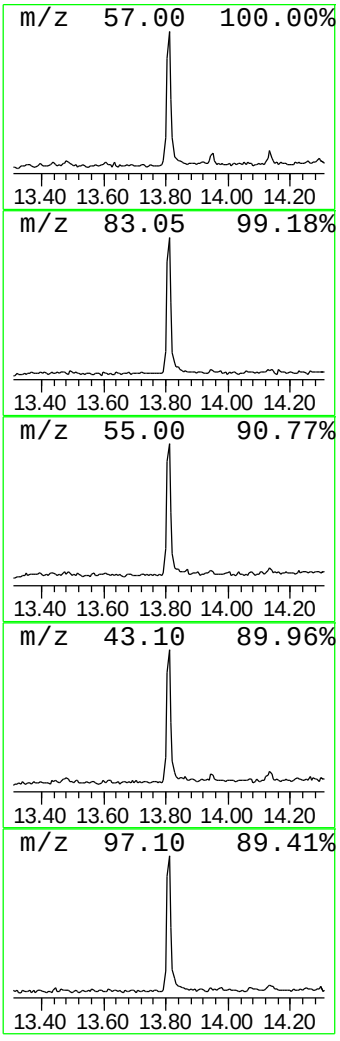
Peak Number 18 n-Tetracosanol-1 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	3.65 ng	380206	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
2	Behenic alcohol	326	C22H46O	000661-19-8	95
3	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	95
4	1-Heneicosanol	312	C21H44O	015594-90-8	95
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	95





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TIC Library : C:\DATABASE\NIST11.L
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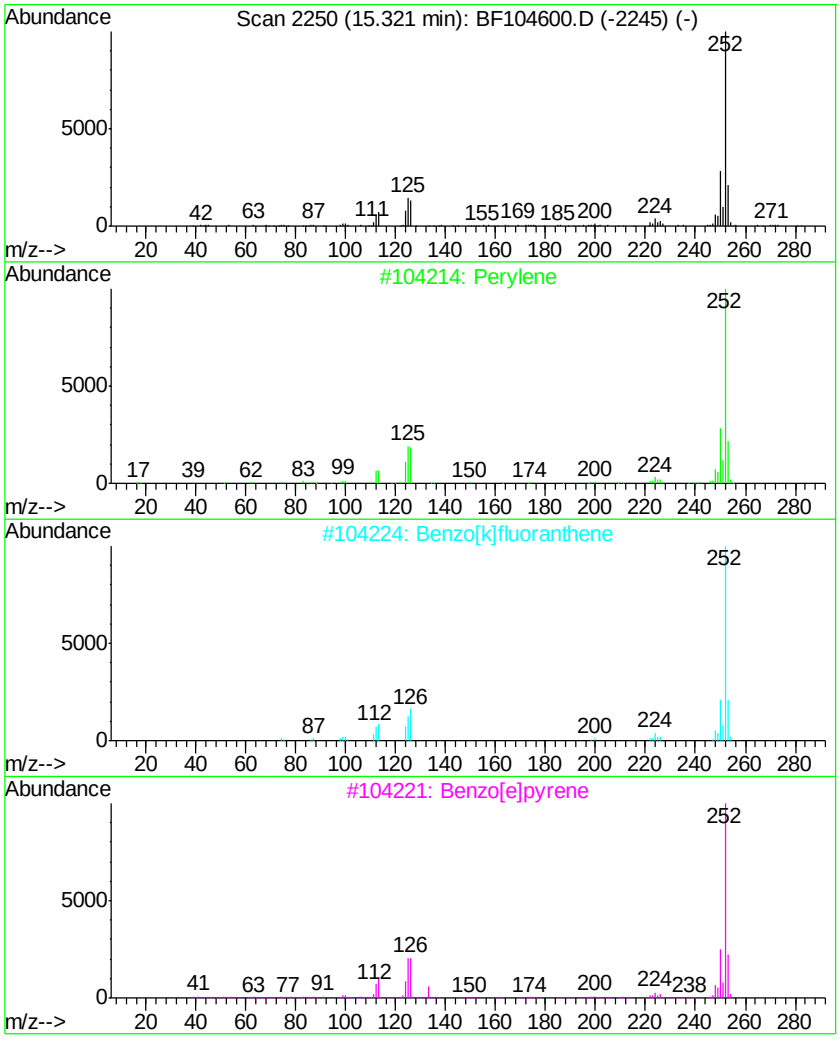
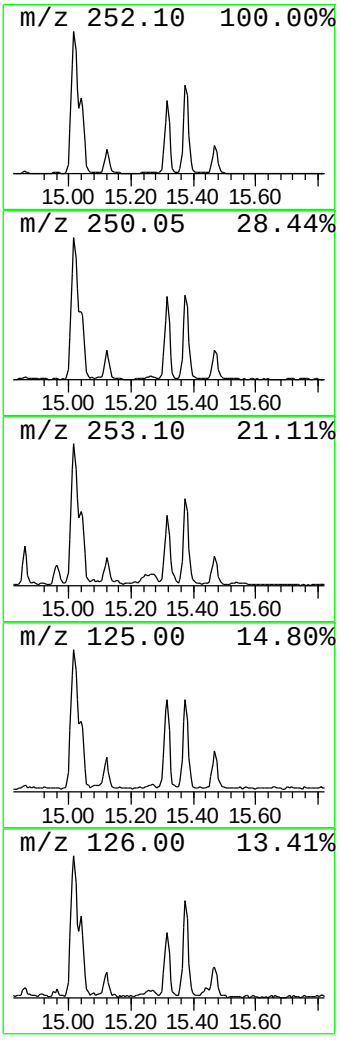
Peak Number 19 Perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	7.07 ng	319337	Perylene-d12	15.44

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





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Instrument : BNA_F
ClientSampleId : NYS-RBR200034

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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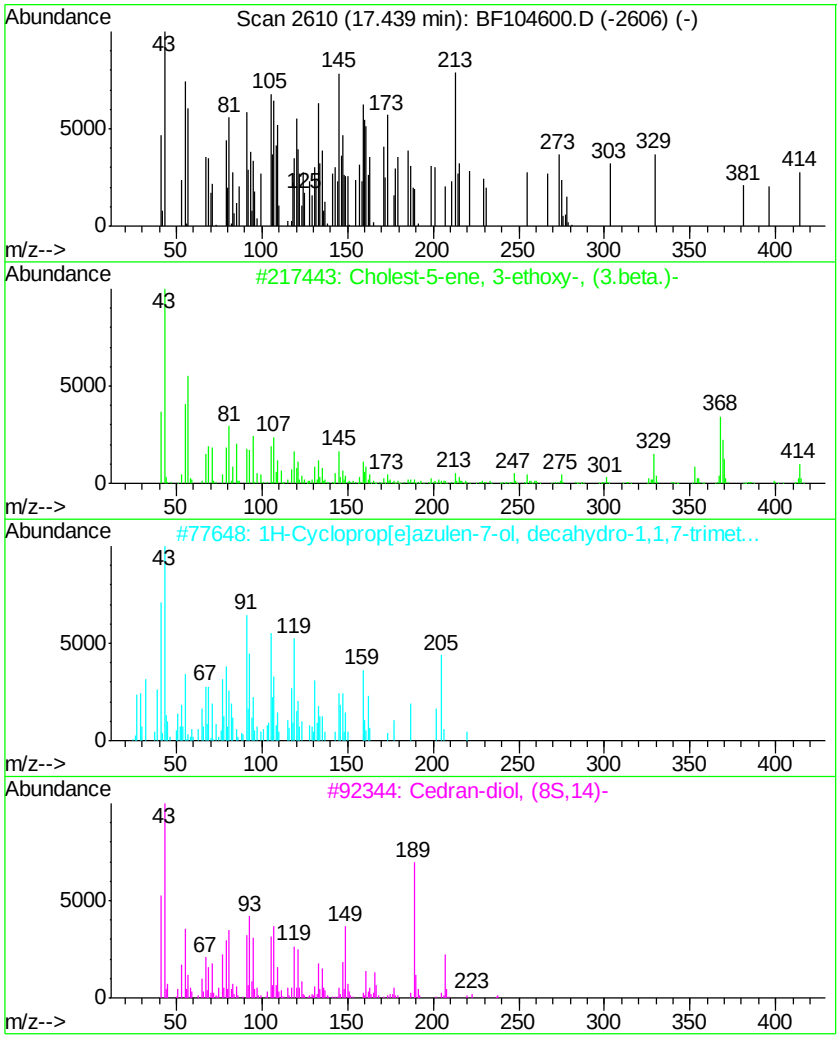
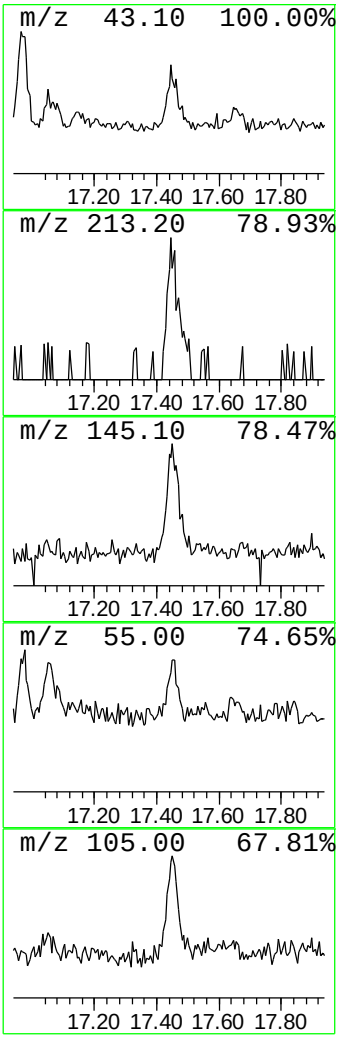
Peak Number 20 unknown17.44 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	3.69 ng	166565	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholest-5-ene, 3-ethoxy-, (3.bet...	414	C29H50O	000986-19-6	46
2	1H-Cycloprop[e]azulen-7-ol, deca...	220	C15H24O	006750-60-3	35
3	Cedran-diol, (8S,14)-	238	C15H26O2	062600-05-9	27
4	Clionasterol acetate	456	C31H52O2	004651-54-1	27
5	Stigmastan-3,5-diene	396	C29H48	1000214-16-4	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041818\
Data File : BF104600.D
Acq On : 18 Apr 2018 14:38
Operator : JU/SJ
Sample : J2423-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYS-RBR200034

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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
2-Pentanone, 4-hy...	5.02	3.5	ng	125656	1	6.80	719613	20.0
unknown6.57	6.57	67.3	ng	2420030	1	6.80	719613	20.0
Dibenzofuran, 4-m...	10.55	3.9	ng	162913	3	9.84	832032	20.0
9H-Fluorene, 2-me...	10.94	7.0	ng	236476	4	11.33	678030	20.0
Phenol, 3-(2-phen...	11.19	4.9	ng	164889	4	11.33	678030	20.0
Dibenzothiophene	11.23	8.9	ng	301160	4	11.33	678030	20.0
Phenanthrene, 2-m...	11.83	10.3	ng	348447	4	11.33	678030	20.0
1H-Cyclopropa[l]p...	11.91	4.9	ng	165081	4	11.33	678030	20.0
4H-Cyclopenta[def...	11.95	25.4	ng	861811	4	11.33	678030	20.0
Anthracene, 1-met...	11.96	4.4	ng	149506	4	11.33	678030	20.0
Naphthalene, 2-ph...	12.13	5.8	ng	196154	4	11.33	678030	20.0
Phenanthrene, 2,5...	12.38	4.3	ng	144258	4	11.33	678030	20.0
Cyclopenta(def)ph...	12.47	4.4	ng	150273	4	11.33	678030	20.0
Fluoranthene, 2-m...	13.10	4.5	ng	463386	5	13.97	2083580	20.0
n-Tetracosanol-1	13.81	3.6	ng	380206	5	13.97	2083580	20.0
Perylene	15.32	7.1	ng	319337	6	15.44	903064	20.0
unknown17.44	17.44	3.7	ng	166565	6	15.44	903064	20.0