LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101604.D
Acq On : 21 Dec 2017 14:02
Operator : SJ/JU
Sample : I6681-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-121917-AMS

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	3.340	212	213	260	rVB4	300686	1173430	13.19%	0.552%
2	5.022	495	499	521	rVB	720688	1256249	14.12%	0.590%
3	5.422	563	567	592	rBV	3019636	3663608	41.17%	1.722%
4	6.351	722	725	736	rBV	705781	894753	10.06%	0.421%
5	6.445	736	741	753	rVV3	3012668	5152846	57.91%	2.422%
6	6.534	753	756	759	rVV	1136405	1026172	11.53%	0.482%
7	6.569	759	762	769	rVV2	3135052	4536877	50.99%	2.132%
8	6.734	787	790	797	rVB	1619805	1416781	15.92%	0.666%
9	6.792	797	800	802	rVV	1052088	1123034	12.62%	0.528%
10	6.810	802	803	813	rVB	1560071	1242980	13.97%	0.584%
11	6.951	823	827	842	rBV2	3432165	4948716	55.61%	2.326%
12	7.063	842	846	860	rVB3	2149786	2968120	33.36%	1.395%
13	7.210	866	871	882	rBV2	2578937	4002651	44.98%	1.881%
14	7.298	882	886	889	rVB	1153593	995334	11.19%	0.468%
15	7.369	893	898	900	rBV	2201170	2611423	29.35%	1.227%
16	7.481	913	917	921	rBV	1002568	1030090	11.58%	0.484%
17	7.622	937	941	951	rBV	1532703	1529404	17.19%	0.719%
18	7.704	951	955	958	rBV	899979	909929	10.23%	0.428%
19	7.739	958	961	970	rVB	1847701	1562132	17.56%	0.734%
20	7.828	970	976	979	rBV	1493371	1351329	15.19%	0.635%
21	7.951	994	997	1005	rVV	825358	1269523	14.27%	0.597%
22	8.022	1005	1009	1012	rVV	1570574	1440715	16.19%	0.677%
23	8.081	1014	1019	1020	rVV	1273679	1291899	14.52%	0.607%
24	8.098	1020	1022	1026	rVV	2138456	1936374	21.76%	0.910%
25	8.204	1037	1040	1044	rVB	1278058	1215040	13.65%	0.571%
26	8.651	1113	1116	1126	rBV	1376873	1306704	14.68%	0.614%
27	8.739	1126	1131	1136	rVV	1290194	1416617	15.92%	0.666%
28	8.792	1136	1140	1143	rVV	2516231	2155576	24.22%	1.013%
29	8.892	1152	1157	1160	rVV	2590462	2437744	27.40%	1.146%
30	8.957	1163	1168	1176	rVB	1577328	1407000	15.81%	0.661%
31	9.081	1186	1189	1195	rVB2	1323508	1383259	15.55%	0.650%
32	9.151	1195	1201	1204	rBV2	3551356	4452235	50.03%	2.093%
33	9.257	1215	1219	1221	rVV	2308264	2094328	23.54%	0.984%
34	9.281	1221	1223	1227	rVB	1686728	1563881	17.58%	0.735%

LSC Area Percent Report

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Acq On : 21 Dec 2017 14:02
Operator : SJ/JU
Sample : I6681-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-121917-AMS

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	9.392	1239	1242	1244	rBV	1135602	973379	10.94%	0.457%
36	9.492	1254	1259	1261	rBV	778373	830117	9.33%	0.390%
37	9.557	1266	1270	1273	rVV	2274886	2178404	24.48%	1.024%
38	9.628	1275	1282	1287	rVB3	1644526	2129959	23.94%	1.001%
39	9.698	1287	1294	1297	rBV	2556578	2614789	29.39%	1.229%
40	9.804	1308	1312	1315	rBV2	737074	836786	9.40%	0.393%
41	9.833	1315	1317	1320	rVV2	1300667	1151482	12.94%	0.541%
42	9.869	1320	1323	1326	rVV	2755834	2248792	25.27%	1.057%
43	9.980	1338	1342	1348	rVV3	1091343	1439881	16.18%	0.677%
44	10.039	1348	1352	1356	rVV2	2217955	2683221	30.15%	1.261%
45	10.122	1361	1366	1369	rBV	800107	884343	9.94%	0.416%
46	10.169	1372	1374	1380	rVB2	1013710	1038427	11.67%	0.488%
47	10.251	1381	1388	1391	rBV	1894468	2040031	22.93%	0.959%
48	10.386	1404	1411	1414	rBV2	2449691	3616132	40.64%	1.700%
49	10.492	1426	1429	1432	rVV	2082052	1878086	21.11%	0.883%
50	10.533	1432	1436	1440	rVB	1870122	1750442	19.67%	0.823%
51	10.633	1448	1453	1455	rBV2	1655326	1732882	19.47%	0.814%
52	10.863	1487	1492	1495	rBV	1268757	1170746	13.16%	0.550%
53	10.939	1498	1505	1507	rBV2	1179398	1523432	17.12%	0.716%
54	11.022	1515	1519	1521	rVV2	1226480	1186674	13.34%	0.558%
55	11.327	1567	1571	1572	rBV	906533	943147	10.60%	0.443%
56	11.357	1572	1576	1579	rVB	4091837	4849225	54.50%	2.279%
57	11.404	1580	1584	1588	rBV	2554009	2618825	29.43%	1.231%
58	11.563	1607	1611	1615	rBV	1662981	1557997	17.51%	0.732%
59	11.827	1652	1656	1658	rBV	1597410	1461603	16.43%	0.687%
60	11.857	1658	1661	1663	rVV	1901209	1954189	21.96%	0.918%
61	11.874	1663	1664	1667	rVV	1604582	940824	10.57%	0.442%
62	11.939	1672	1675	1677	rVV2	2146699	2329016	26.17%	1.095%
63	11.963	1677	1679	1683	rVB	1466999	1184966	13.32%	0.557%
64	12.116	1702	1705	1710	rBV	877925	904234	10.16%	0.425%
65	12.374	1745	1749	1752	rBV	1277197	1474535	16.57%	0.693%
66	12.416	1752	1756	1758	rVV2	683336	974270	10.95%	0.458%
67	12.486	1762	1768	1774	rVB3	724344	1334891	15.00%	0.627%
68	12.563	1774	1781	1783	rBV	4596642	7987263	89.76%	3.754%
69	12.798	1813	1821	1823	rBV3	4480020	8898266	100.00%	4.182%
70	12.910	1834	1840	1842	rVV2	2264370	2484611	27.92%	1.168%
71	12.998	1849	1855	1859	rBV2	1158305	2009514	22.58%	0.944%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I6681-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-121917-AMS

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

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

72	13.080	1865	1869	1870	rBV2	792657	937537	10.54%	0.441%
73	13.110	1871	1874	1878	rVB	1835135	1893629	21.28%	0.890%
74	13.169	1881	1884	1887	rBV	1258390	1166892	13.11%	0.548%
75	13.210	1887	1891	1897	rVB3	1355891	2076174	23.33%	0.976%
76	13.304	1903	1907	1909	rBV	1076900	982120	11.04%	0.462%
77	13.333	1909	1912	1914	rBV	1042719	890683	10.01%	0.419%
78	13.433	1926	1929	1931	rVB	1434911	1222525	13.74%	0.575%
79	13.621	1958	1961	1964	rVB	795892	859501	9.66%	0.404%
80	13.727	1974	1979	1981	rBV2	1222661	1630568	18.32%	0.766%
81	13.751	1981	1983	1985	rVB	1249297	959700	10.79%	0.451%
82	13.780	1985	1988	1994	rBV3	1176299	1672470	18.80%	0.786%
83	13.839	1995	1998	2002	rVB	906832	1077083	12.10%	0.506%
84	13.933	2011	2014	2017	rBV2	1686059	1621354	18.22%	0.762%
85	13.980	2017	2022	2025	rBV2	3440036	6594829	74.11%	3.100%
86	14.027	2025	2030	2034	rVB	3696102	5681844	63.85%	2.670%
87	14.092	2038	2041	2044	rBV	1568567	1302376	14.64%	0.612%
88	14.368	2083	2088	2091	rVV	1535659	2096561	23.56%	0.985%
89	14.404	2091	2094	2096	rVV	898000	822028	9.24%	0.386%
90	14.439	2096	2100	2103	rVV3	546967	846776	9.52%	0.398%
91	14.498	2107	2110	2112	rVV	1161607	1469567	16.52%	0.691%
92	14.545	2115	2118	2123	rVB3	1309894	1766665	19.85%	0.830%
93	14.704	2140	2145	2150	rVB4	454287	954762	10.73%	0.449%
94	15.051	2195	2204	2207	rBV	2974506	7995423	89.85%	3.758%
95	15.145	2216	2220	2223	rBV	1083644	1151298	12.94%	0.541%
96	15.345	2248	2254	2258	rVB	2085781	3290145	36.98%	1.546%
97	15.421	2259	2267	2270	rVB	2888244	5562121	62.51%	2.614%
98	15.498	2276	2280	2285	rVB2	1307045	1749341	19.66%	0.822%
99	16.968	2519	2530	2534	rBV2	1619334	4389462	49.33%	2.063%
100	17.421	2597	2607	2615	rVB	1290812	3522191	39.58%	1.655%

Sum of corrected areas: 212767759

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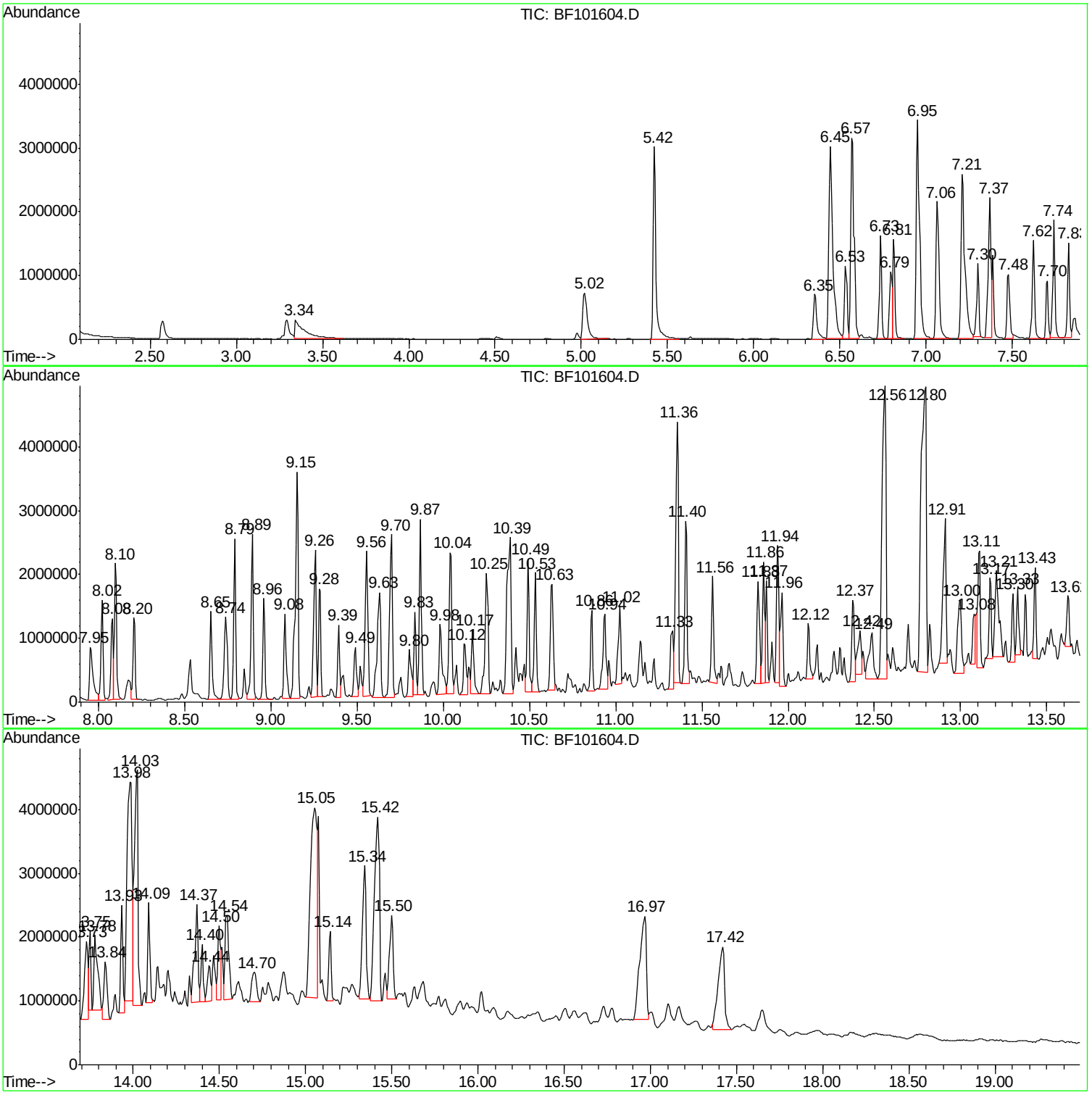
Operator : SJ/JU
Sample : I6681-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-121917-AMS

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101604.D
Acq On : 21 Dec 2017 14:02
Operator : SJ/JU
Sample : I6681-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-121917-AMS

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

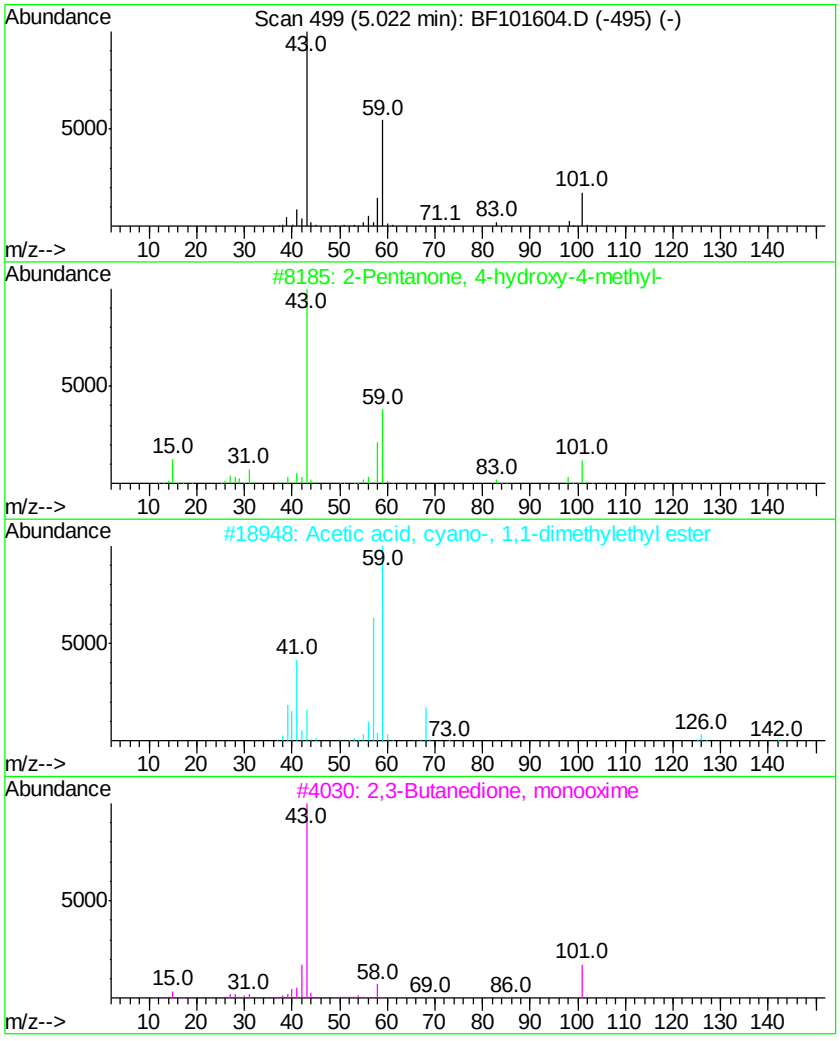
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

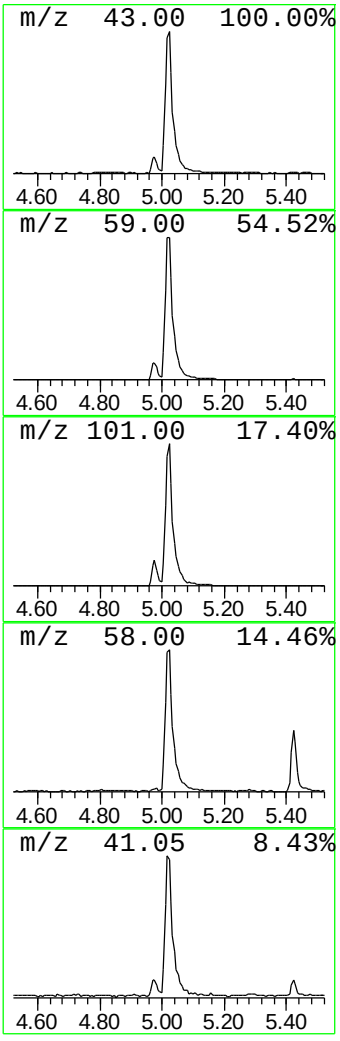
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	22.37 ng	1256250	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
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Acq On : 21 Dec 2017 14:02
Operator : SJ/JU
Sample : I6681-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-121917-AMS

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

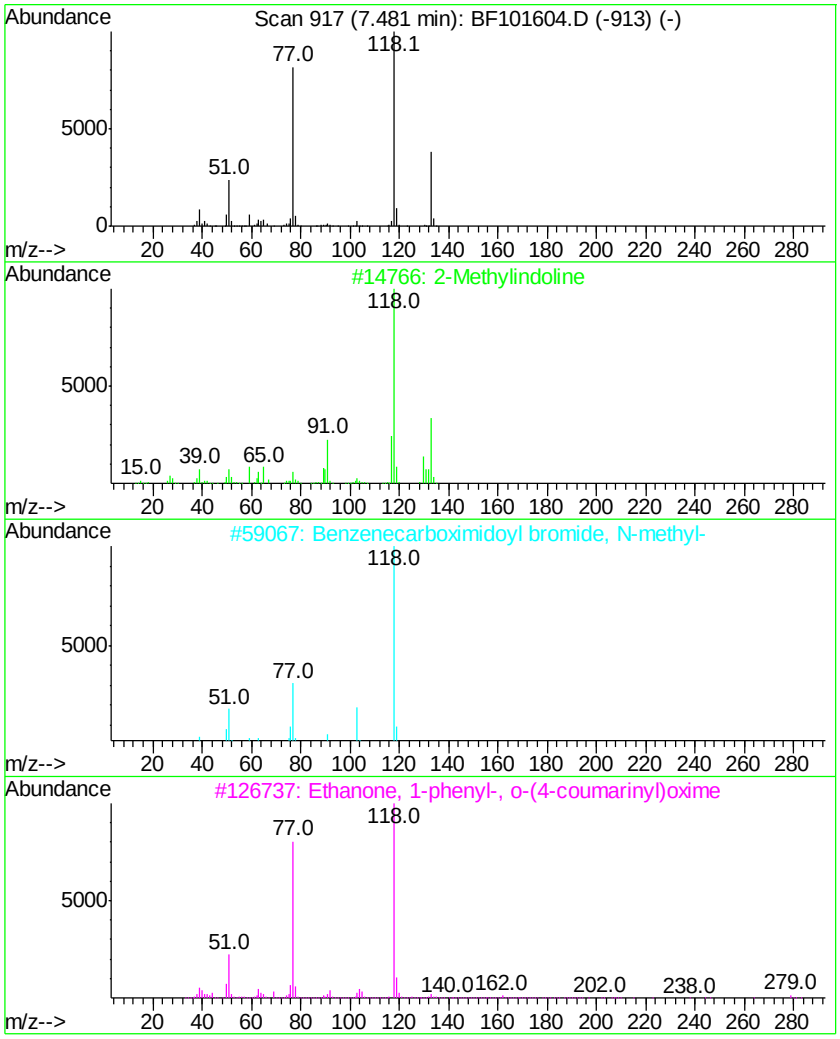
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

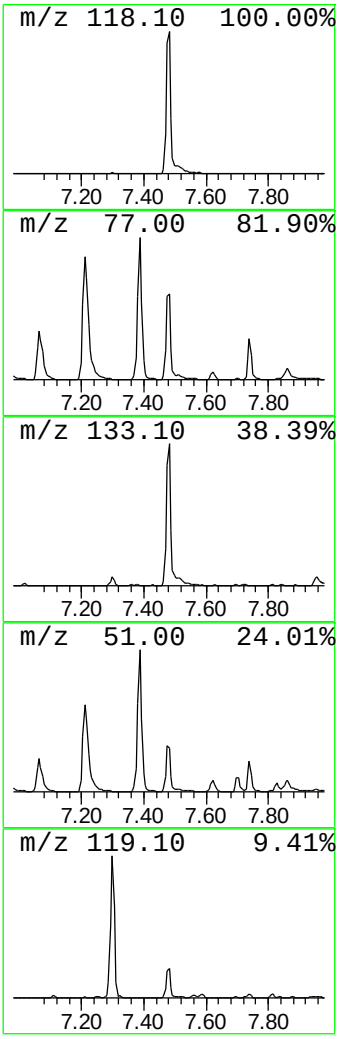
****

Peak Number 2 unknown7.48 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	15.95 ng	1030090	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindoline	133	C9H11N	006872-06-6	43
2	Benzenecarboximidoyl bromide, N-...	197	C8H8BrN	041182-85-8	32
3	Ethanone, 1-phenyl-, o-(4-coumar...	279	C17H13NO3	034605-11-3	27
4	1H-Benzimidazole	118	C7H6N2	000051-17-2	12
5	Cyanic acid, phenyl ester	119	C7H5NO	001122-85-6	10





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-121917-AMS

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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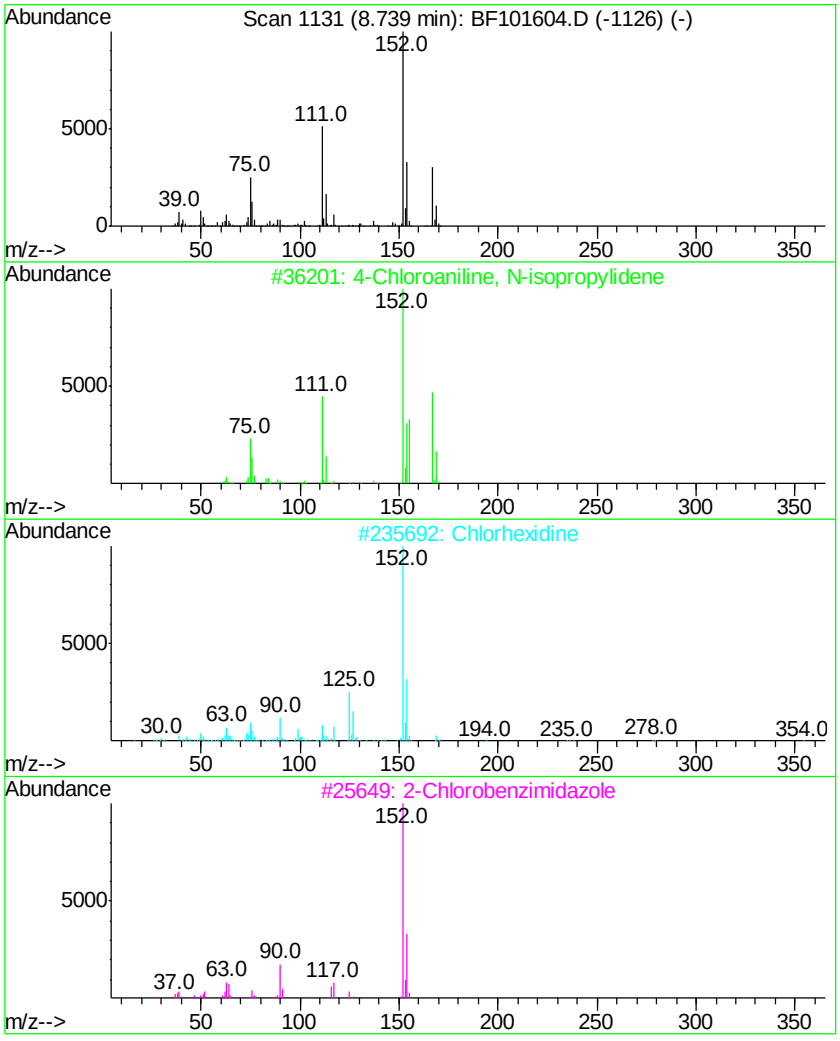
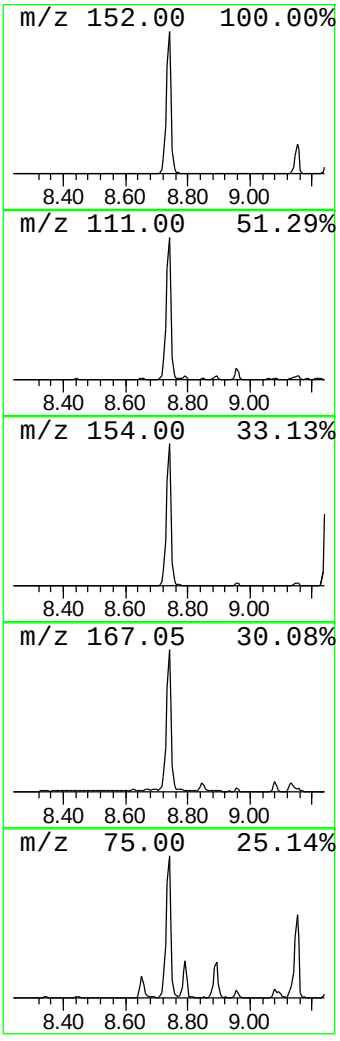
Peak Number 3 4-Chloroaniline, N-isopropy... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	21.93 ng	1416620	Naphthalene-d8	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloroaniline, N-isopropylidene	167	C9H10ClN	040938-43-0	94
2	Chlorhexidine	504	C22H30Cl2N10	000055-56-1	40
3	2-Chlorobenzimidazole	152	C7H5ClN2	004857-06-1	38
4	Benzonitrile, 2-amino-5-chloro-	152	C7H5ClN2	005922-60-1	38
5	4-Amino-2-chlorobenzonitrile	152	C7H5ClN2	020925-27-3	38





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Data File : BF101604.D
Acq On : 21 Dec 2017 14:02
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Sample : I6681-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-121917-AMS

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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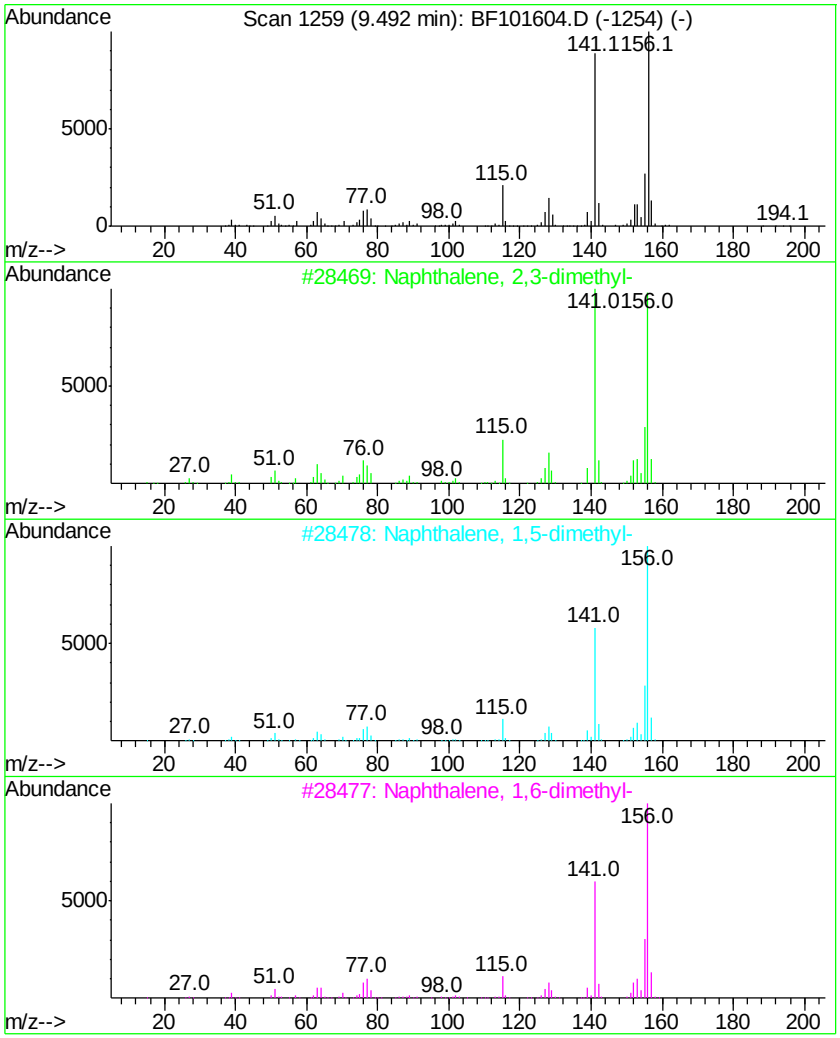
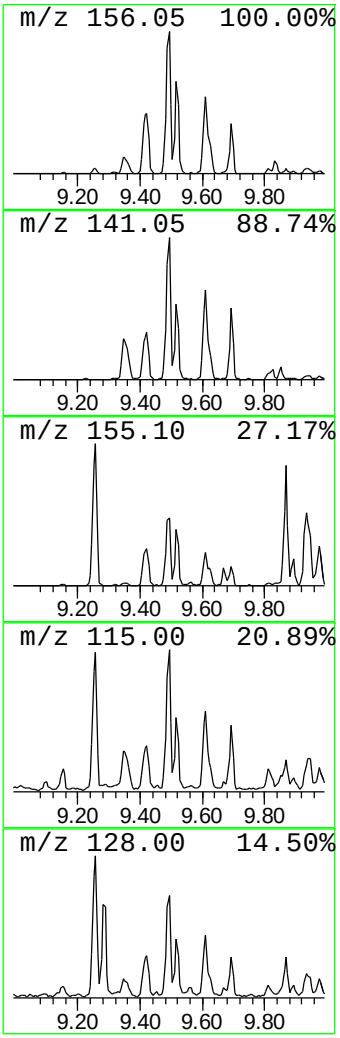
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	14.42 ng	830117	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101604.D
Acq On : 21 Dec 2017 14:02
Operator : SJ/JU
Sample : I6681-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-121917-AMS

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

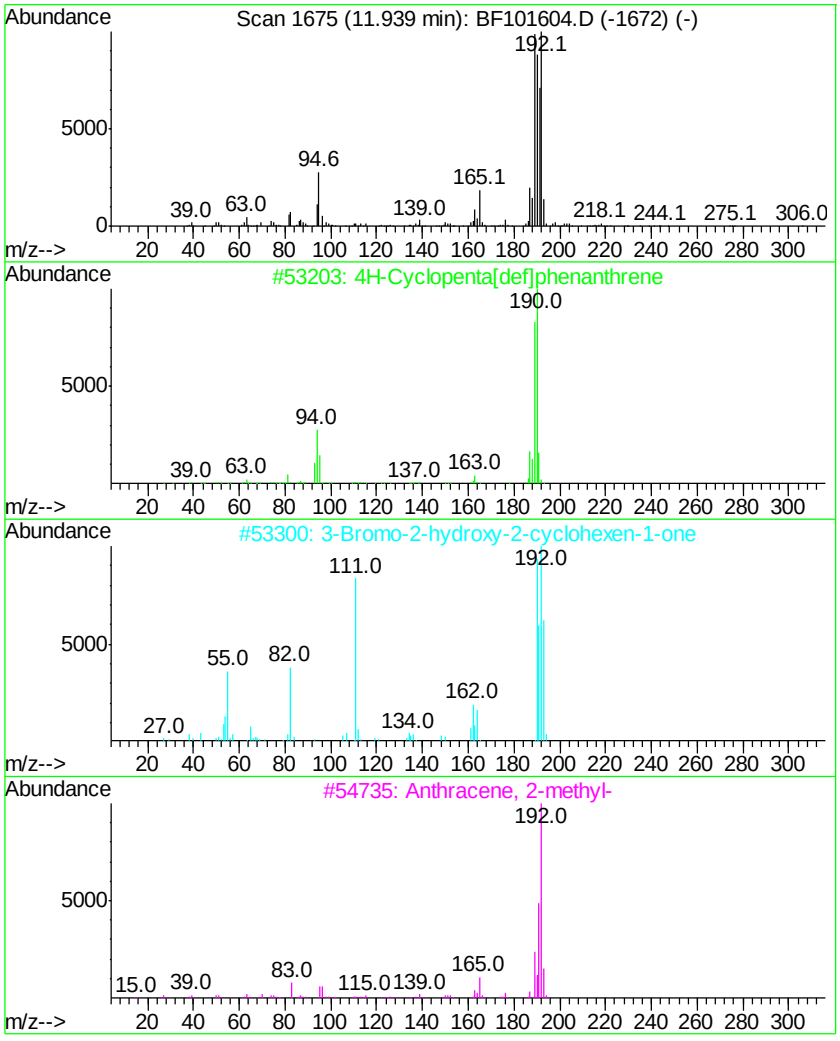
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

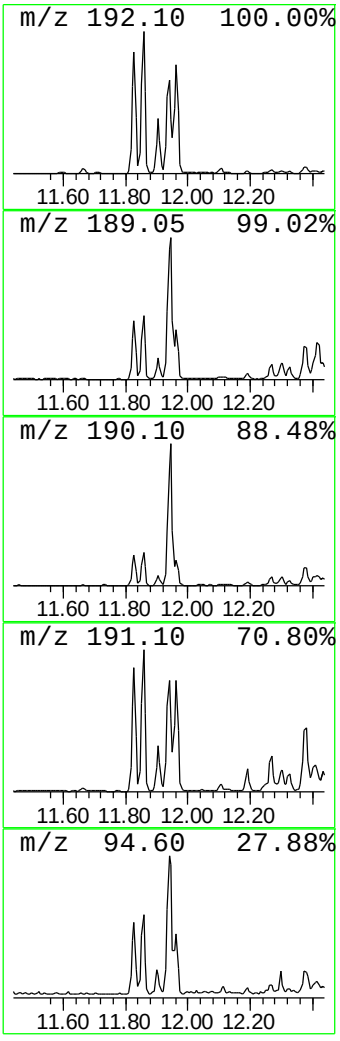
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	49.39 ng	2329020	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	3-Bromo-2-hydroxy-2-cyclohexen-1...	190	C6H7BrO2	010324-65-9	43
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





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Operator : SJ/JU
Sample : I6681-01MS
Misc :
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ClientSampleId : PL-01-121917-AMS

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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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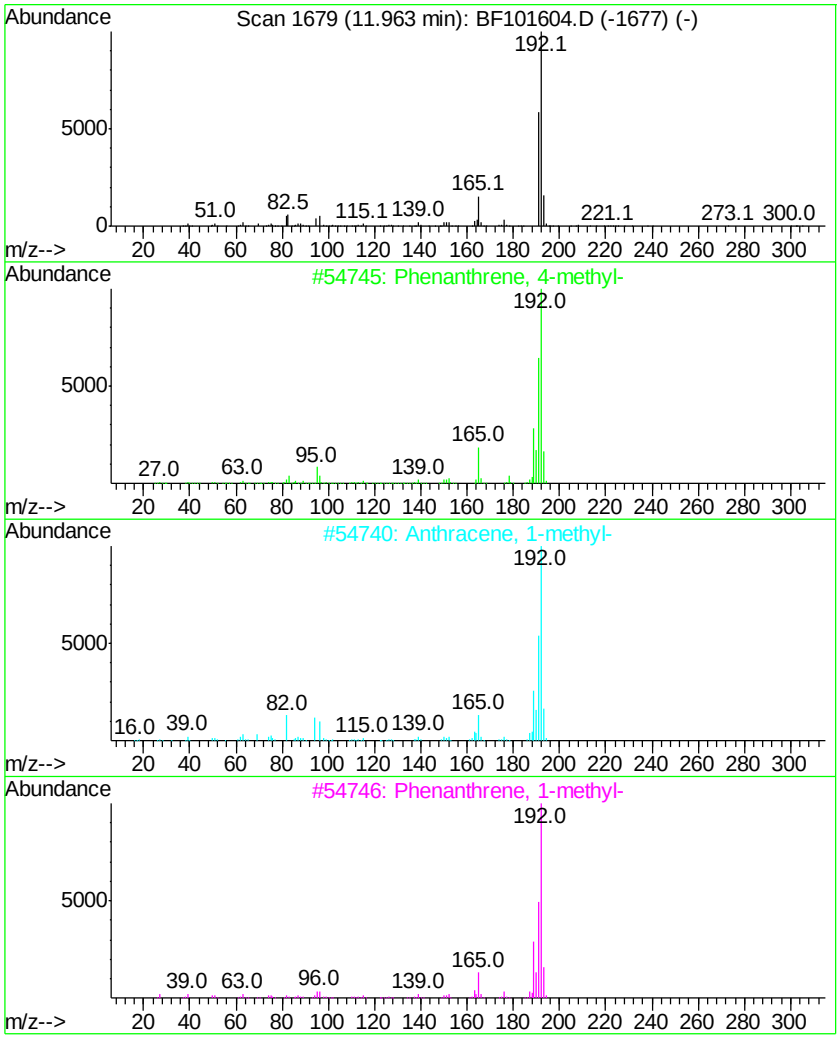
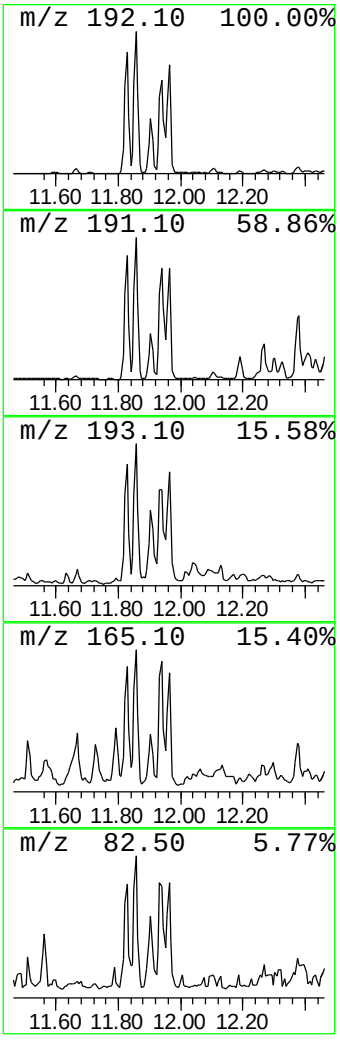
Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	25.13 ng	1184970	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87





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Misc :
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ClientSampleId : PL-01-121917-AMS

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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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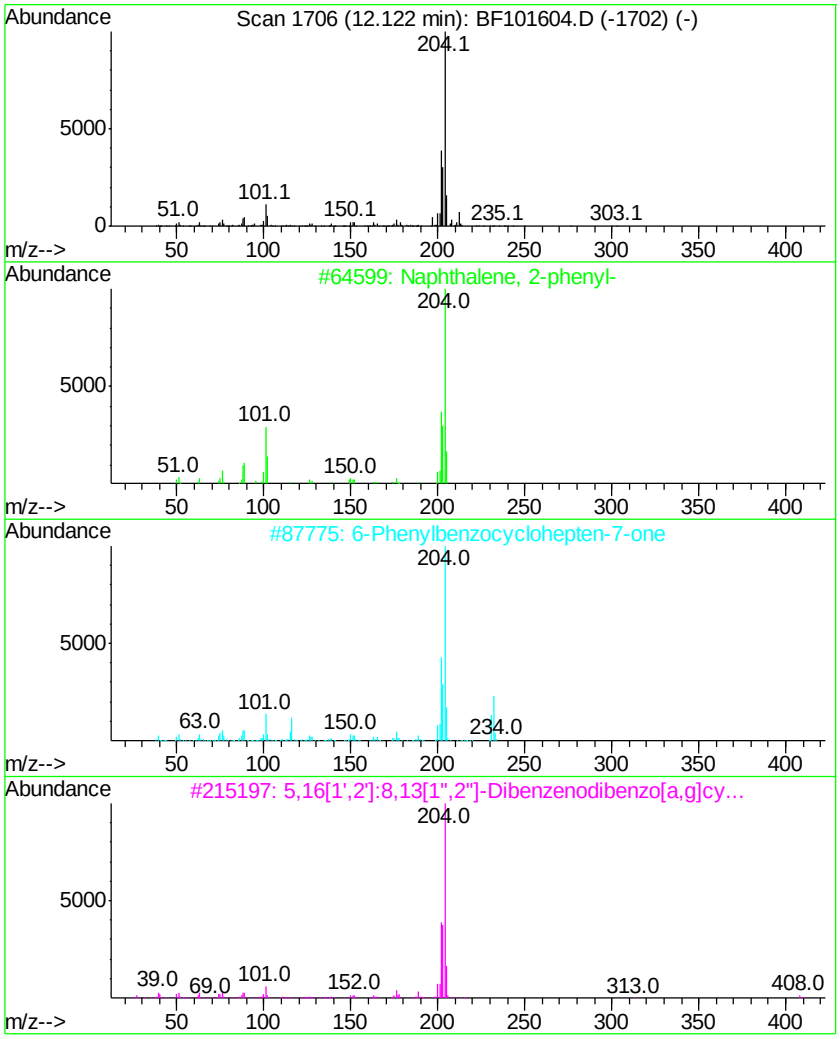
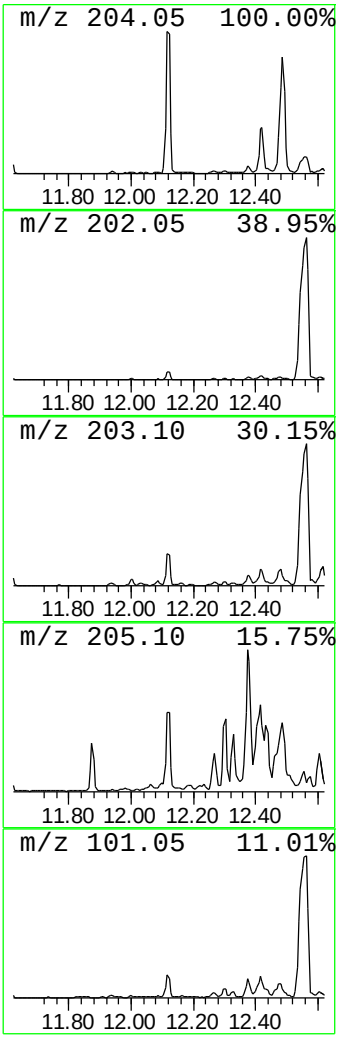
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	19.17 ng	904234	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





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ClientSampleId : PL-01-121917-AMS

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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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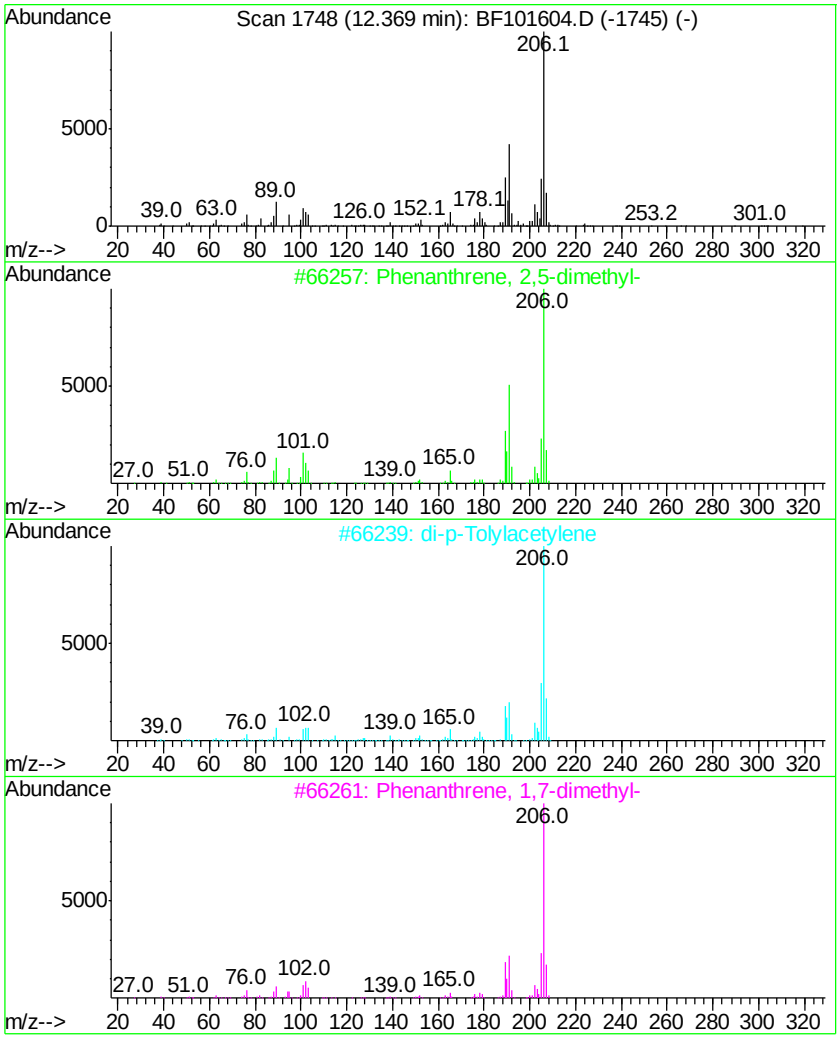
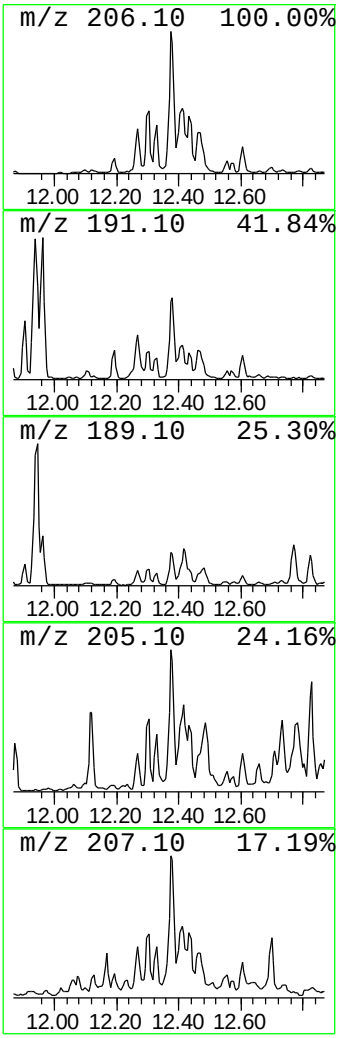
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	31.27 ng	1474540	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	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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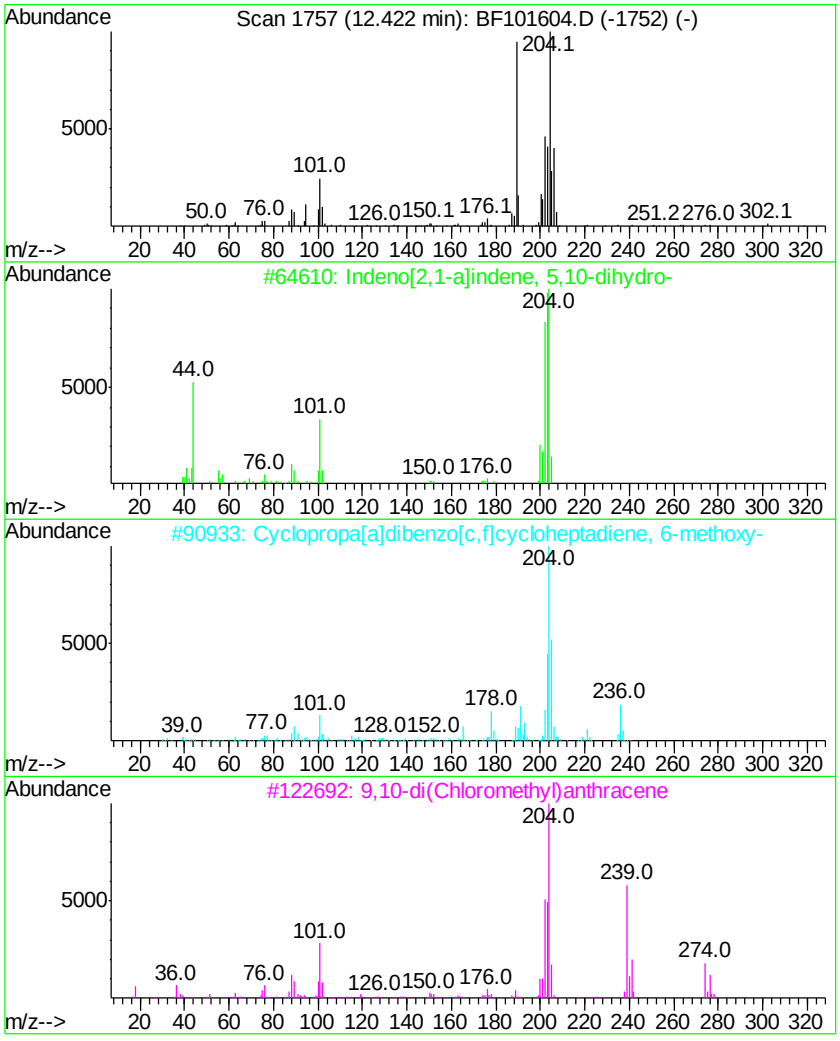
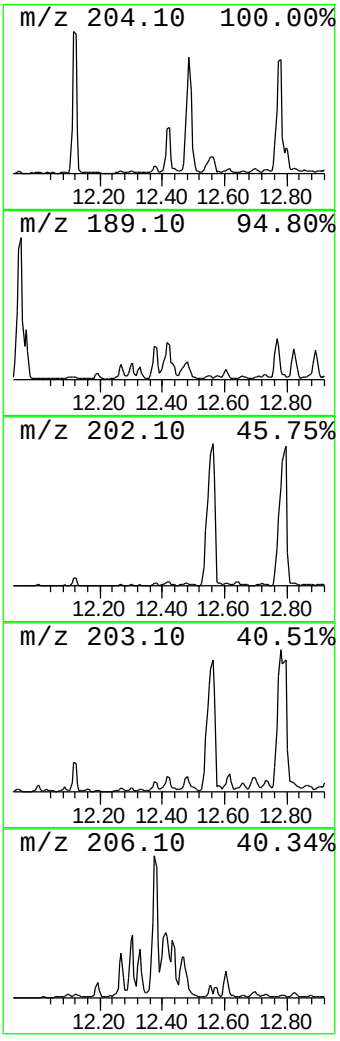
Peak Number 9 unknown12.42 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	20.66 ng	974270	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
2	Cyclopropa[a]dibenzo[c,f]cyclohe...	236	C17H16O	1000210-38-0	38
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	27





Library Search Compound Report

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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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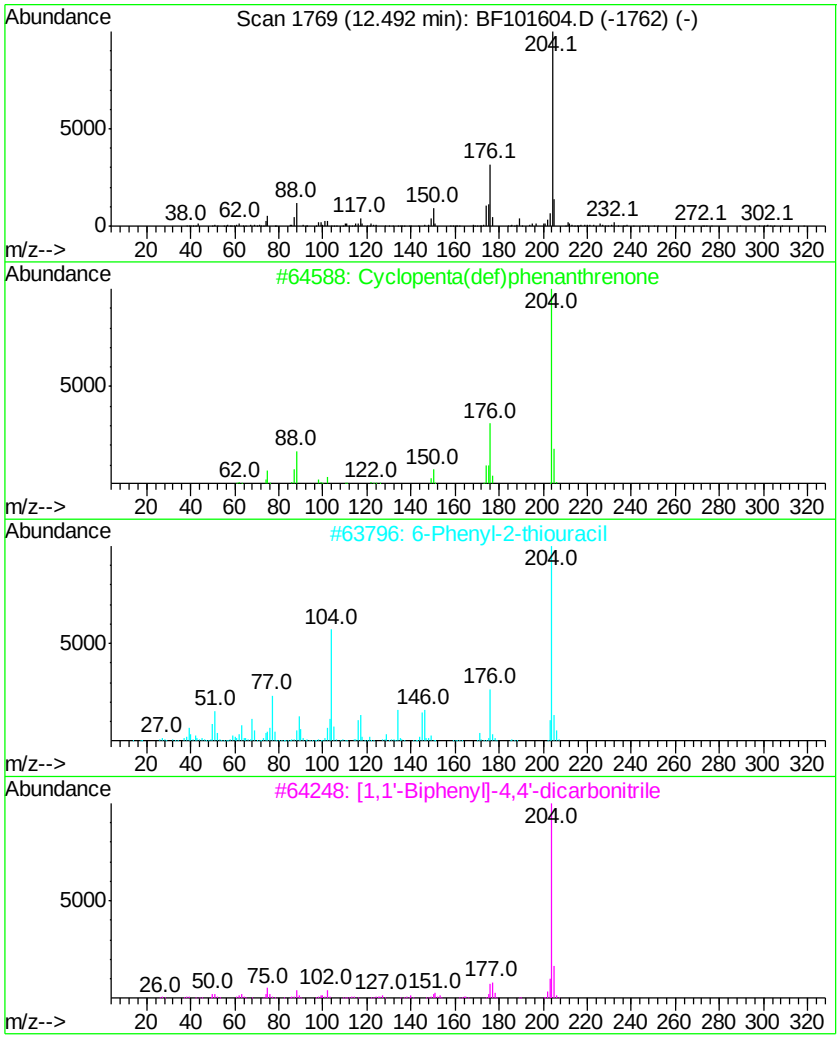
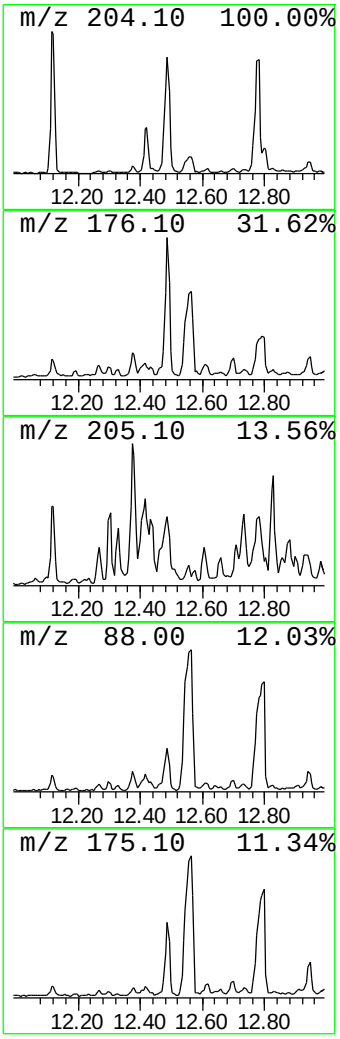
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	28.31 ng	1334890	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	47
5	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	47





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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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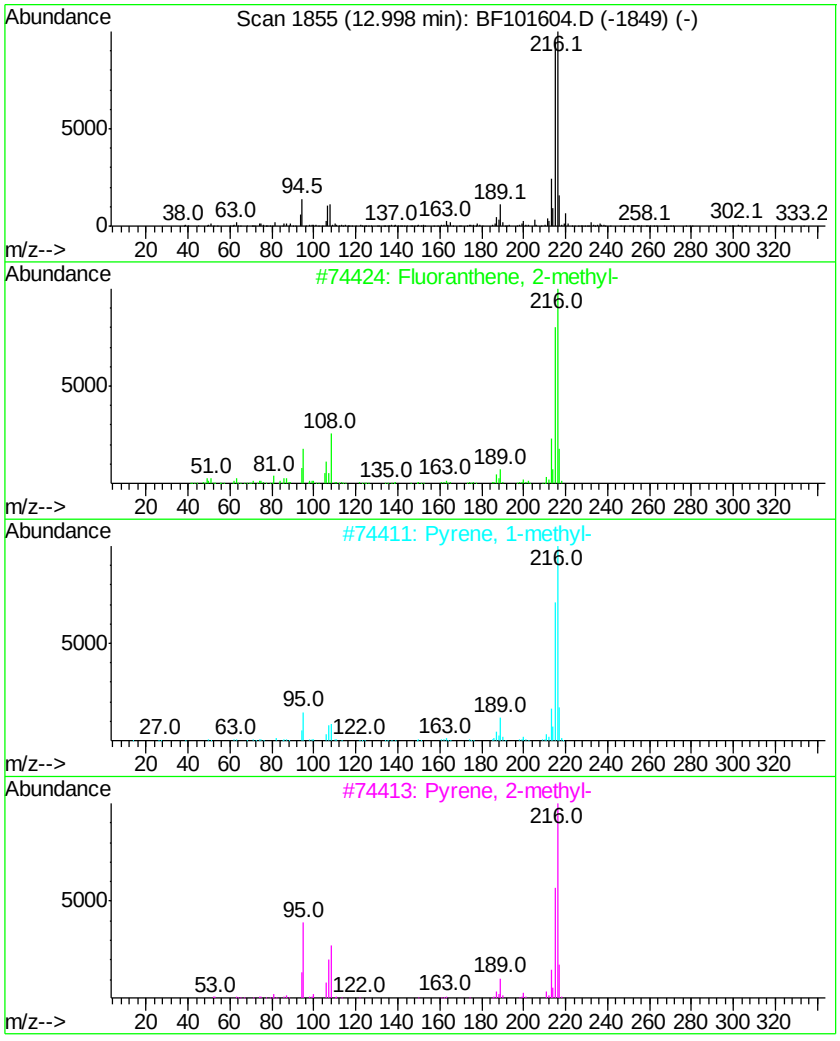
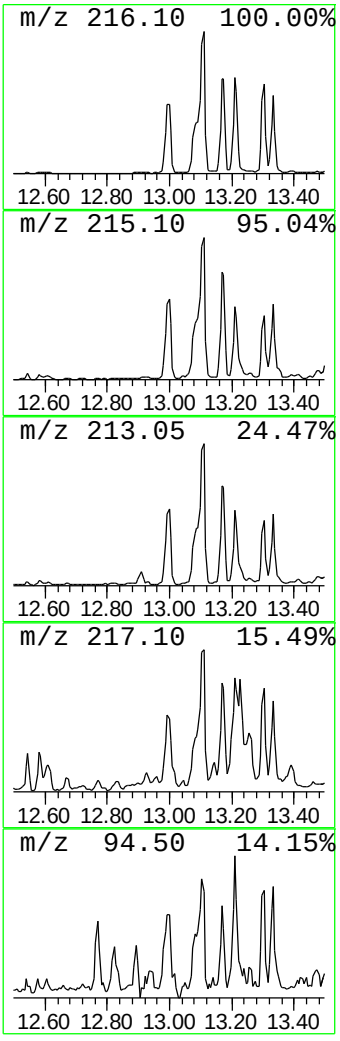
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	6.09 ng	2009510	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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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

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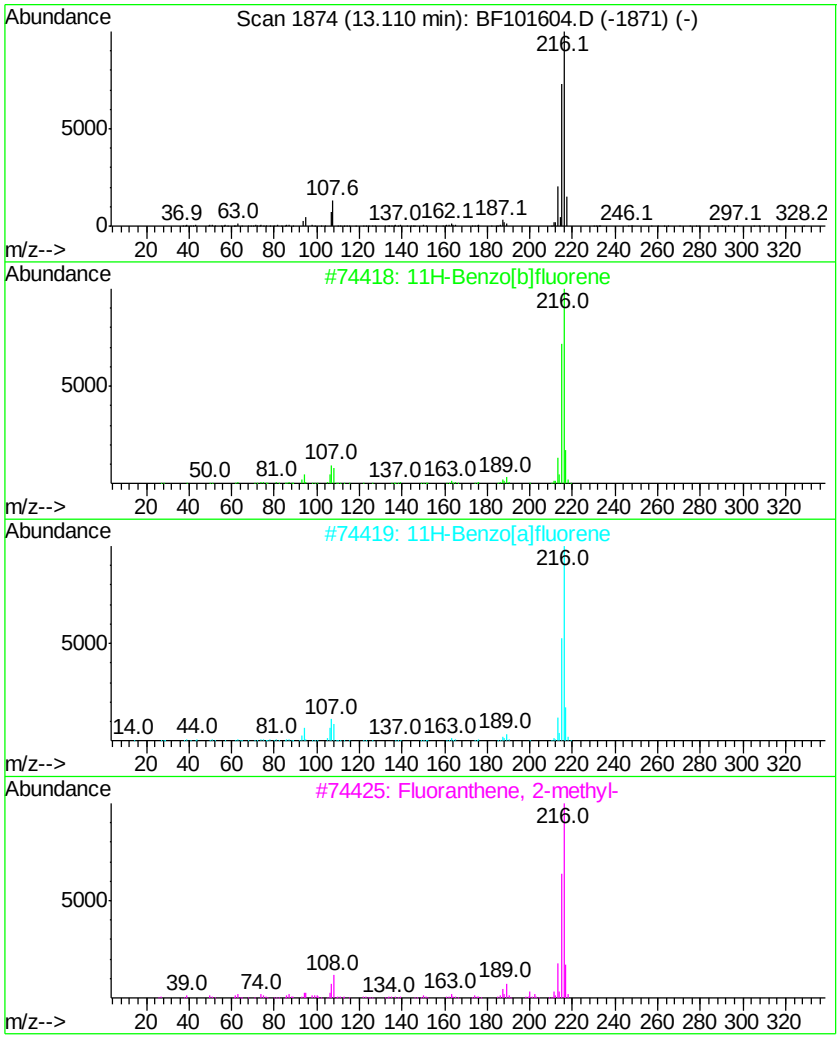
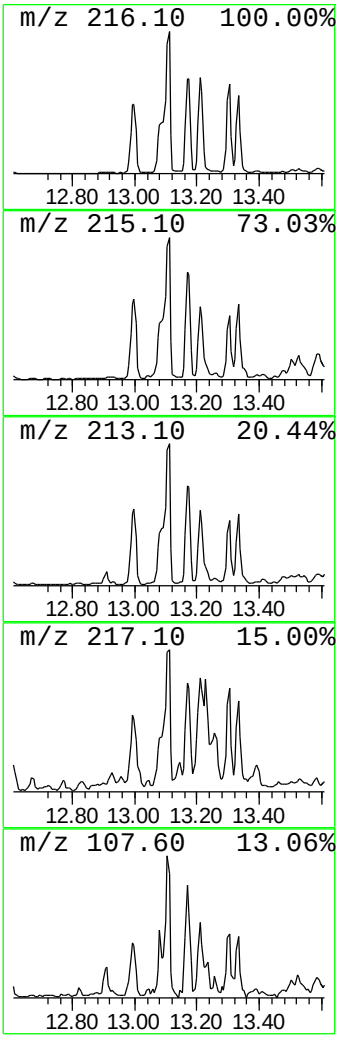
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	5.74 ng	1893630	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72
5	2-[3-Pyridyl]methylene-3-quinucl...	216	C13H16N2O	273748-56-4	59





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ClientSampleId : PL-01-121917-AMS

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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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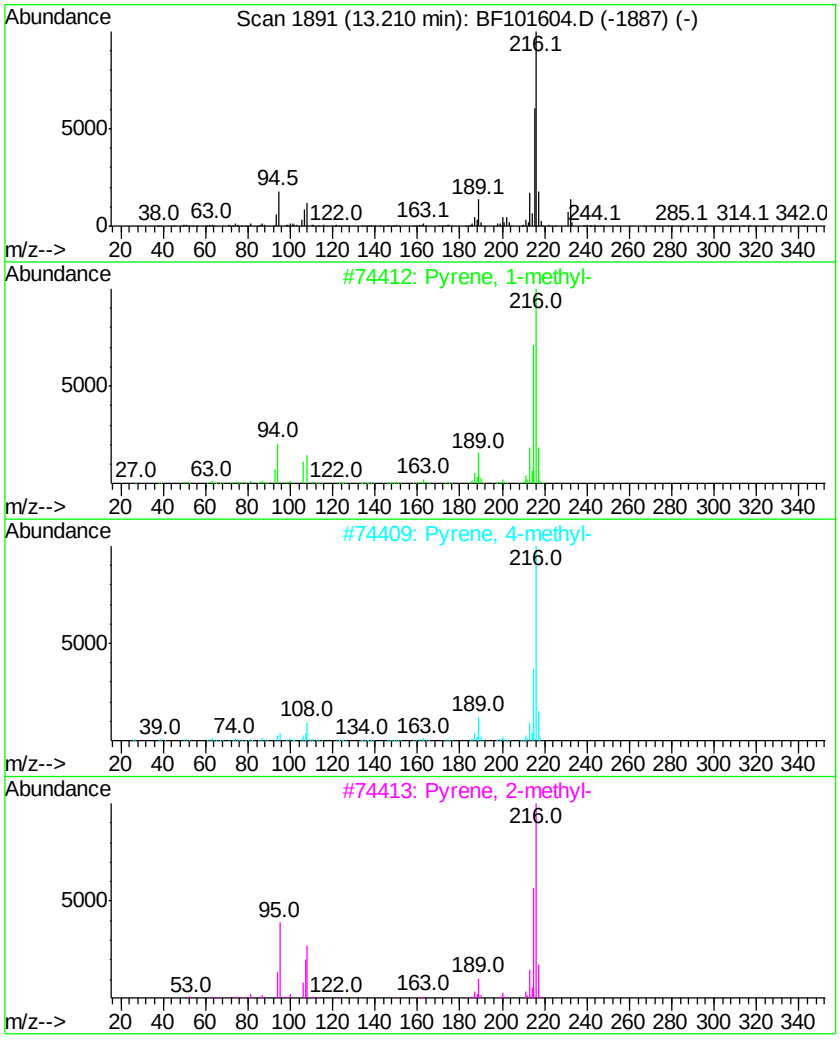
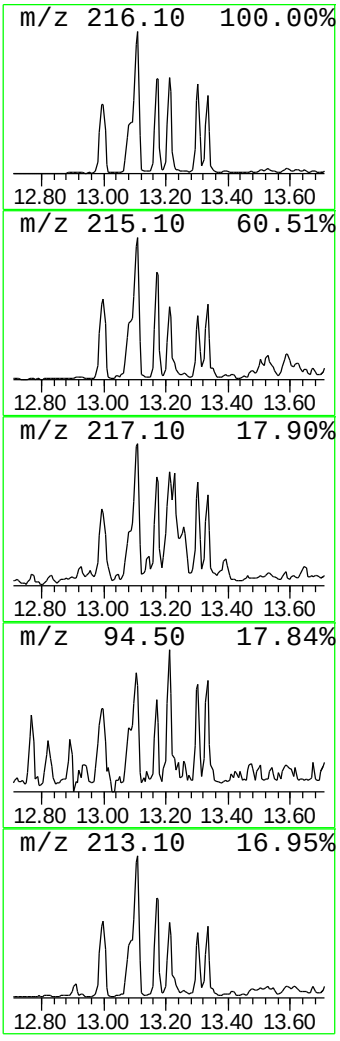
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	6.30 ng	2076170	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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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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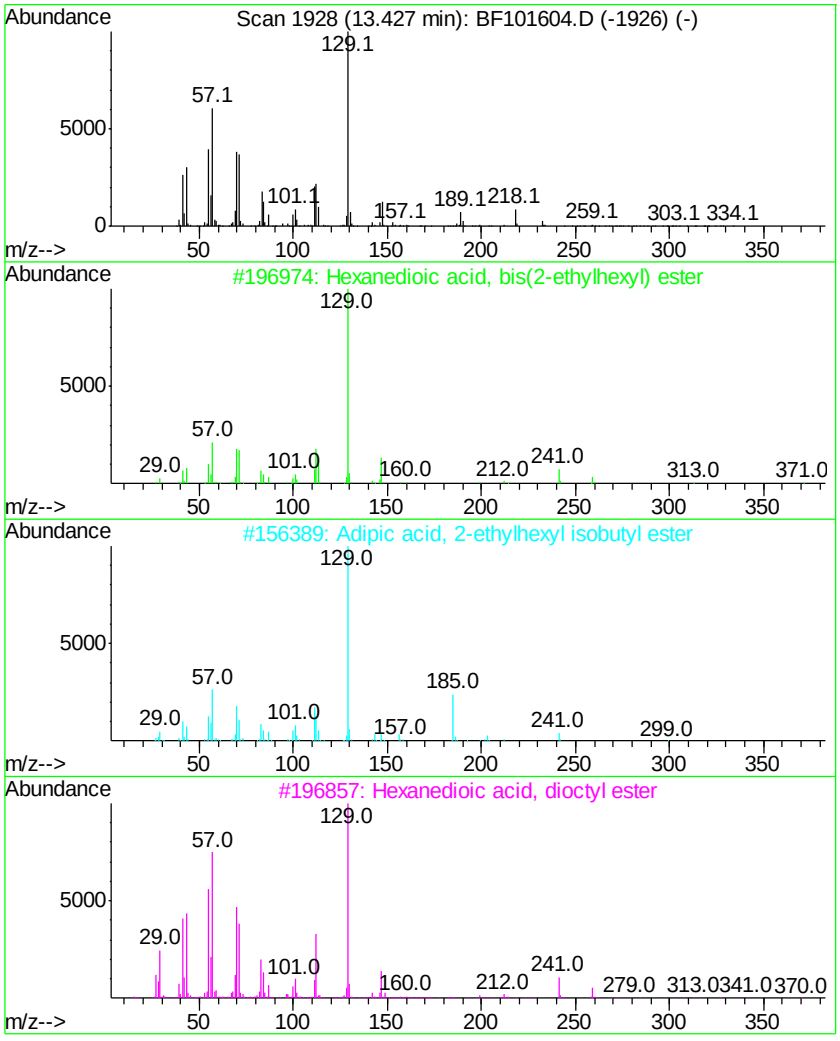
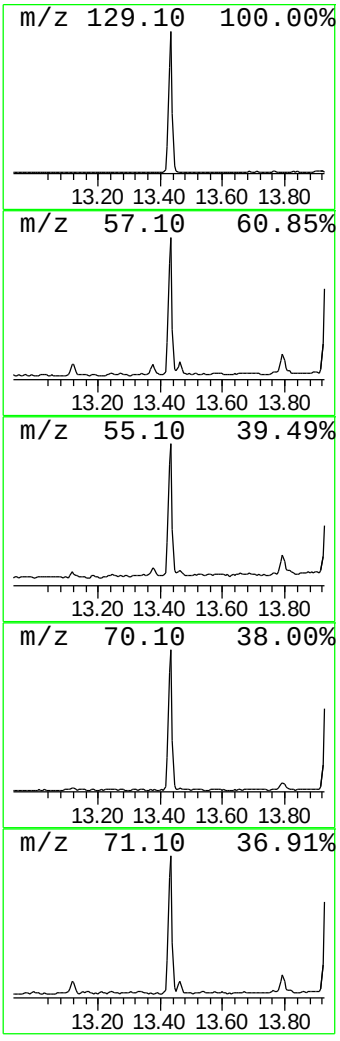
Peak Number 14 Hexanedioic acid, bis(2-eth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	3.71 ng	1222530	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanedioic acid, bis(2-ethylhex...	370	C22H42O4	000103-23-1	86
2	Adipic acid, 2-ethylhexyl isobut...	314	C18H34O4	1000324-48-0	59
3	Hexanedioic acid, dioctyl ester	370	C22H42O4	000123-79-5	58
4	Diisooctyl adipate	370	C22H42O4	001330-86-5	50
5	Adipic acid, 2-ethylhexyl isohex...	342	C20H38O4	1000324-48-3	50





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

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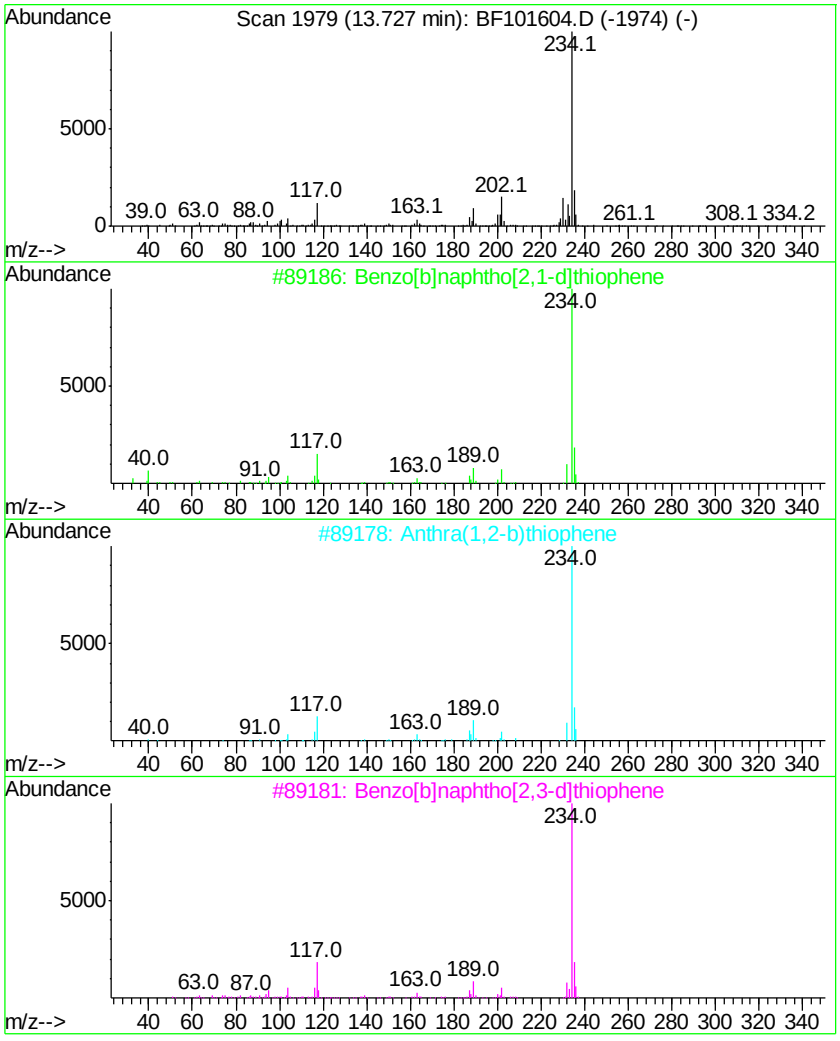
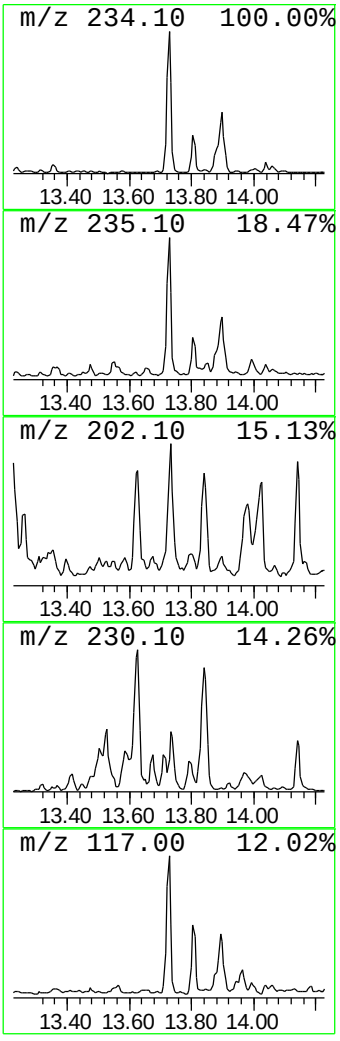
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	4.94 ng	1630570	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	68





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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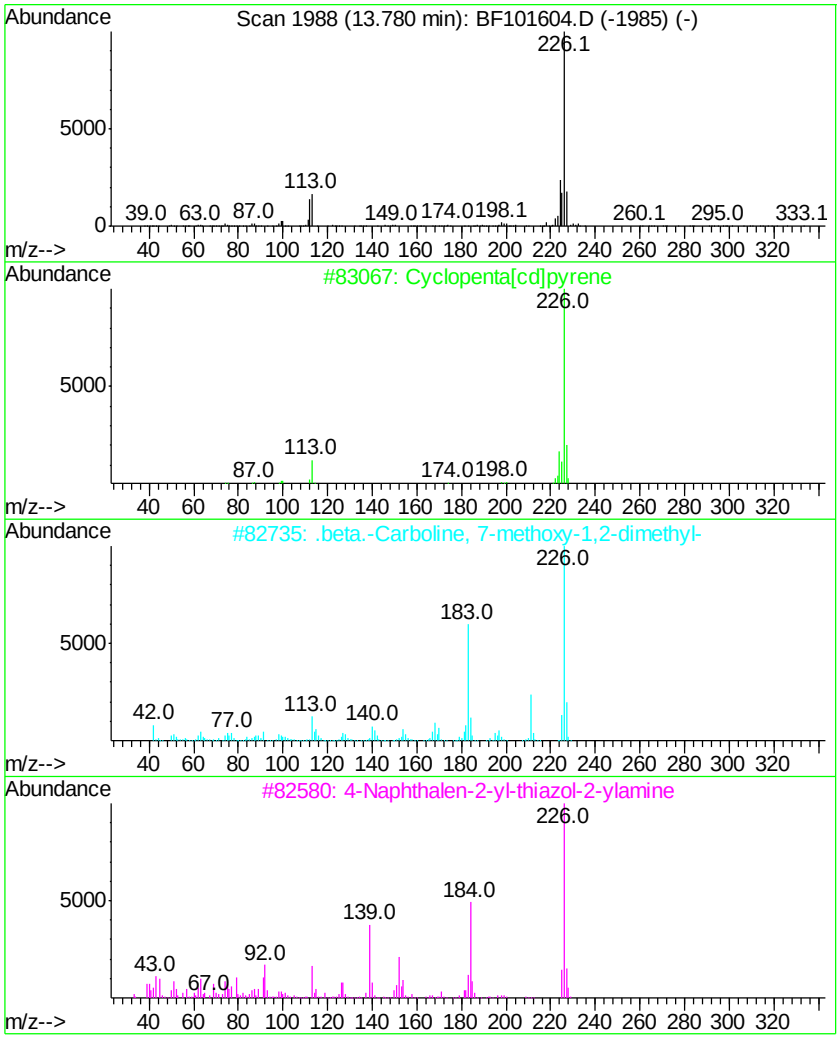
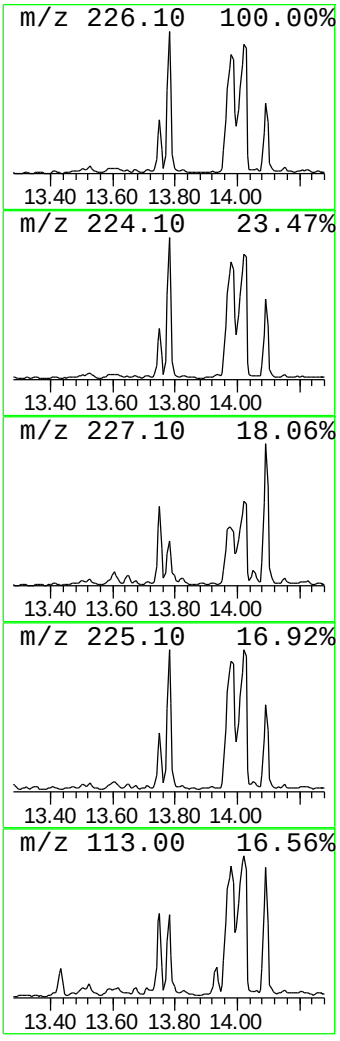
Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	5.07 ng	1672470	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
3	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	53
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38





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Operator : SJ/JU
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Instrument : BNA_F
ClientSampleId : PL-01-121917-AMS

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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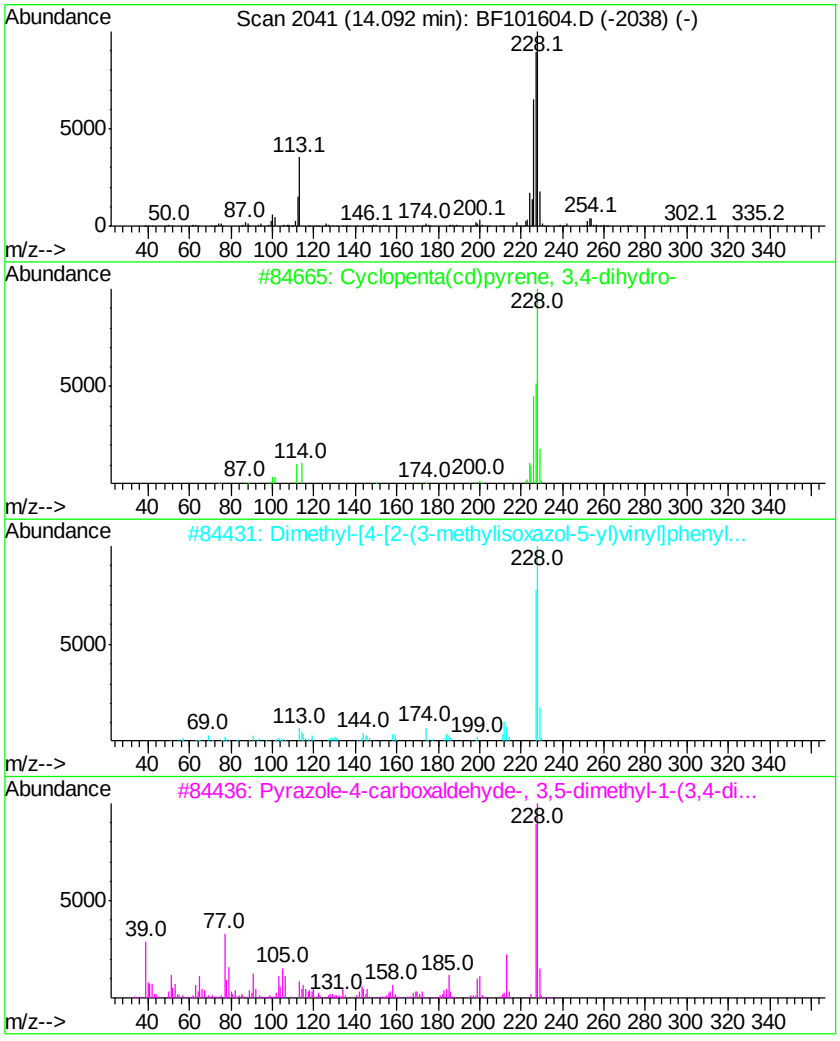
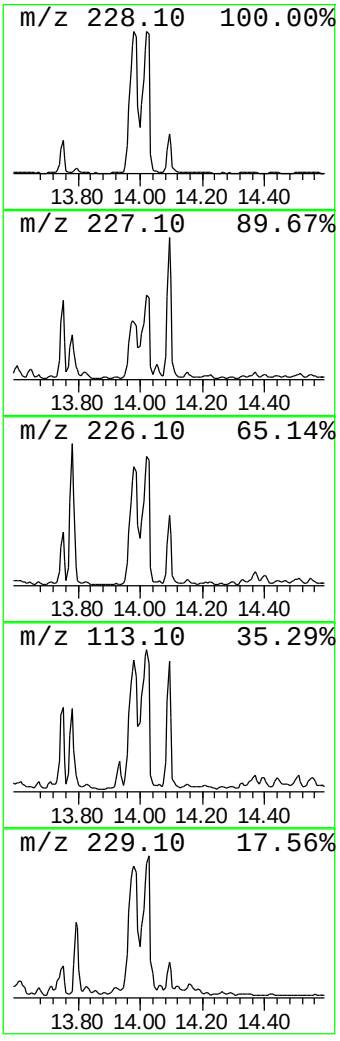
Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	3.95 ng	1302380	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	90
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	47
3	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101604.D
Acq On : 21 Dec 2017 14:02
Operator : SJ/JU
Sample : I6681-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-121917-AMS

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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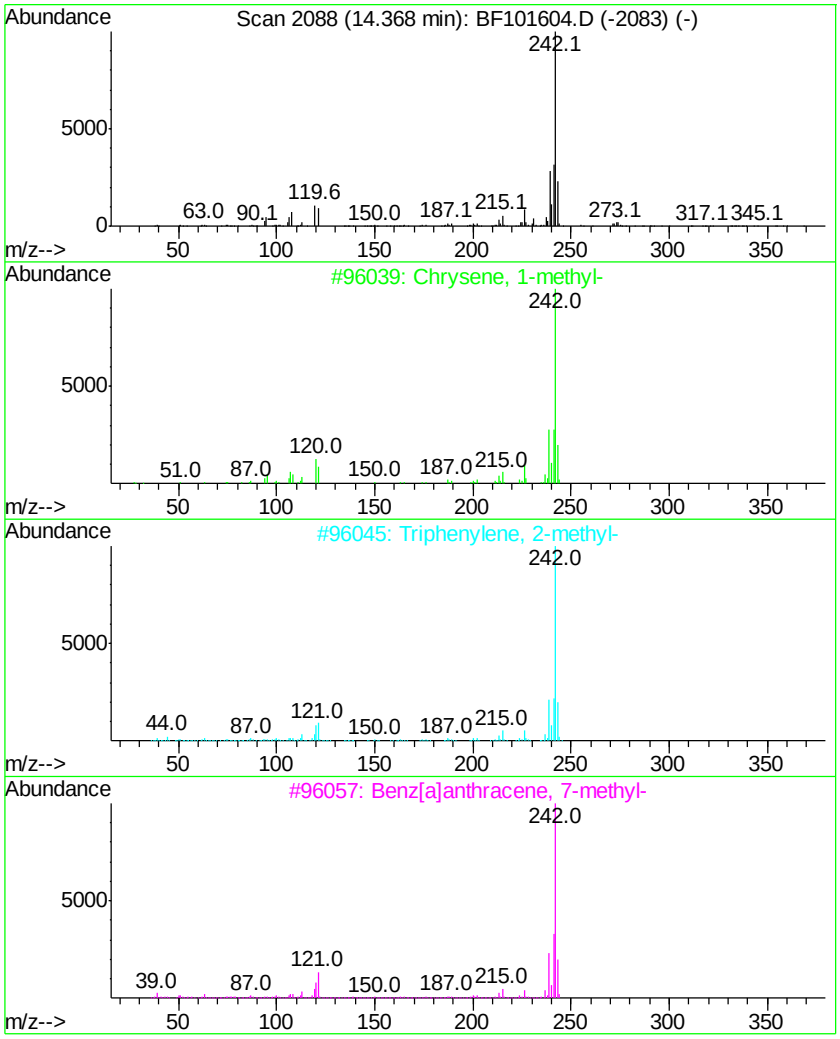
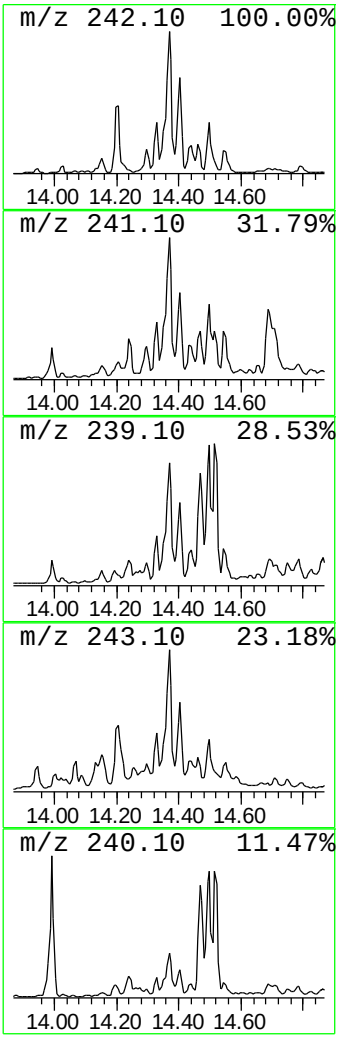
Peak Number 18 Chrysene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	6.36 ng	2096560	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	89





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101604.D
Acq On : 21 Dec 2017 14:02
Operator : SJ/JU
Sample : I6681-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-121917-AMS

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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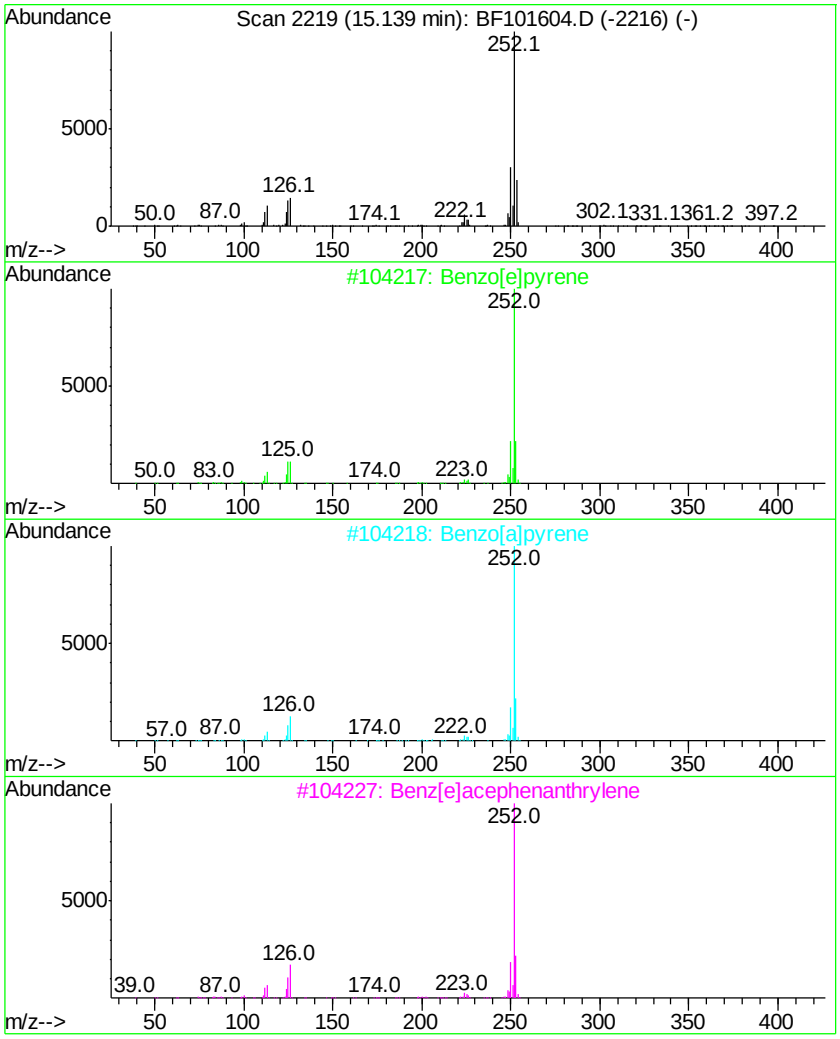
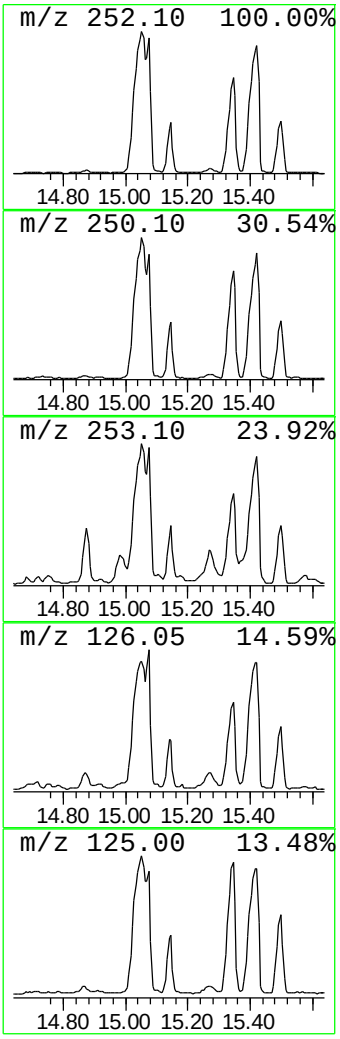
Peak Number 19 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	13.16 ng	1151300	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[a]pyrene	252	C20H12	000050-32-8	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122117\
Data File : BF101604.D
Acq On : 21 Dec 2017 14:02
Operator : SJ/JU
Sample : I6681-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-121917-AMS

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
2-Pentanone, 4-hy...	5.02	22.4	ng	1256250	1	6.79	1123030	20.0
unknown7.48	7.48	15.9	ng	1030090	2	8.08	1291900	20.0
4-Chloroaniline, ...	8.74	21.9	ng	1416620	2	8.08	1291900	20.0
Naphthalene, 2,3-...	9.49	14.4	ng	830117	3	9.83	1151480	20.0
4H-Cyclopenta[def...	11.94	49.4	ng	2329020	4	11.33	943147	20.0
Phenanthrene, 4-m...	11.96	25.1	ng	1184970	4	11.33	943147	20.0
Naphthalene, 2-ph...	12.12	19.2	ng	904234	4	11.33	943147	20.0
Phenanthrene, 2,5...	12.37	31.3	ng	1474540	4	11.33	943147	20.0
unknown12.42	12.42	20.7	ng	974270	4	11.33	943147	20.0
Cyclopenta(def)ph...	12.49	28.3	ng	1334890	4	11.33	943147	20.0
Fluoranthene, 2-m...	13.00	6.1	ng	2009510	5	13.99	6594830	20.0
11H-Benzo[b]fluorene	13.11	5.7	ng	1893630	5	13.99	6594830	20.0
Pyrene, 1-methyl-	13.21	6.3	ng	2076170	5	13.99	6594830	20.0
Hexanedioic acid,...	13.43	3.7	ng	1222530	5	13.99	6594830	20.0
Benzo[b]naphtho[2...	13.73	4.9	ng	1630570	5	13.99	6594830	20.0
Cyclopenta[cd]pyrene	13.78	5.1	ng	1672470	5	13.99	6594830	20.0
Cyclopenta(cd)pyr...	14.09	4.0	ng	1302380	5	13.99	6594830	20.0
Chrysene, 1-methyl-	14.37	6.4	ng	2096560	5	13.99	6594830	20.0
Benzo[e]pyrene	15.14	13.2	ng	1151300	6	15.46	1749340	20.0