LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100990.D
Acq On : 29 Nov 2017 20:45
Operator : SJ/JU
Sample : I6610-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-2)-20171127

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-BF110817.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	5.081	505	509	522	rVB	149068	195959	12.03%	0.706%
2	5.475	572	576	580	rBV	1299841	1339562	82.26%	4.828%
3	6.492	743	749	757	rBV	1405089	1493781	91.73%	5.384%
4	6.628	767	772	775	rBV	1662949	1457277	89.48%	5.253%
5	6.851	807	810	814	rBV	448252	379037	23.27%	1.366%
6	7.010	833	837	840	rBV	1385514	1190451	73.10%	4.291%
7	7.422	901	907	910	rBV	919131	907972	55.75%	3.273%
8	8.133	1025	1028	1031	rBV	555636	484961	29.78%	1.748%
9	8.157	1031	1032	1035	rVB	74651	38483	2.36%	0.139%
10	8.845	1146	1149	1153	rVB	54909	42279	2.60%	0.152%
11	8.945	1163	1166	1170	rVB	61325	47806	2.94%	0.172%
12	9.210	1206	1211	1214	rBV	1857556	1625661	99.82%	5.859%
13	9.474	1252	1256	1259	rBV	24252	29616	1.82%	0.107%
14	9.545	1263	1268	1271	rBV	58499	61167	3.76%	0.220%
15	9.604	1275	1278	1280	rBV	103650	87142	5.35%	0.314%
16	9.663	1285	1288	1290	rBV	35363	30569	1.88%	0.110%
17	9.751	1297	1303	1306	rBV	105605	90655	5.57%	0.327%
18	9.810	1310	1313	1317	rVV	77303	66852	4.11%	0.241%
19	9.892	1321	1327	1330	rVV	533833	468404	28.76%	1.688%
20	9.922	1330	1332	1335	rVB	155670	118301	7.26%	0.426%
21	10.045	1348	1353	1356	rBV4	24555	33585	2.06%	0.121%
22	10.092	1356	1361	1365	rVV2	82634	87898	5.40%	0.317%
23	10.133	1365	1368	1372	rVB3	34855	33582	2.06%	0.121%
24	10.310	1396	1398	1401	rVB	90560	73894	4.54%	0.266%
25	10.439	1416	1420	1424	rVB	141449	130220	8.00%	0.469%
26	10.592	1444	1446	1454	rVB	39893	42429	2.61%	0.153%
27	10.680	1457	1461	1465	rVB	791933	667510	40.99%	2.406%
28	10.786	1476	1479	1488	rVB3	71150	101968	6.26%	0.368%
29	10.986	1507	1513	1516	rBV3	48298	66249	4.07%	0.239%
30	11.110	1530	1534	1536	rVV3	29269	36936	2.27%	0.133%
31	11.133	1536	1538	1544	rVV3	35614	45117	2.77%	0.163%
32	11.186	1544	1547	1549	rVV	46738	44728	2.75%	0.161%
33	11.233	1549	1555	1558	rVV3	52999	68843	4.23%	0.248%
34	11.274	1558	1562	1567	rVB	75078	75580	4.64%	0.272%

LSC Area Percent Report

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Data File : BF100990.D
Acq On : 29 Nov 2017 20:45
Operator : SJ/JU
Sample : I6610-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-2)-20171127

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-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.380	1576	1580	1582	rBV	421468	398710	24.48%	1.437%
36	11.404	1582	1584	1588	rVV	1079905	949653	58.31%	3.423%
37	11.457	1590	1593	1595	rVV	282328	248091	15.23%	0.894%
38	11.486	1595	1598	1604	rVB2	31596	41807	2.57%	0.151%
39	11.610	1612	1619	1622	rBV2	115750	126963	7.80%	0.458%
40	11.668	1625	1629	1633	rVV3	30049	47736	2.93%	0.172%
41	11.710	1633	1636	1640	rVB4	42824	47838	2.94%	0.172%
42	11.880	1659	1665	1667	rBV	183213	197623	12.14%	0.712%
43	11.904	1667	1669	1673	rVV2	287953	316729	19.45%	1.142%
44	11.957	1675	1678	1681	rVV	103360	89102	5.47%	0.321%
45	11.992	1681	1684	1686	rVV2	261651	283133	17.39%	1.021%
46	12.015	1686	1688	1691	rVV	130163	105755	6.49%	0.381%
47	12.174	1712	1715	1717	rVV	132351	105769	6.49%	0.381%
48	12.204	1717	1720	1725	rVB2	102672	91741	5.63%	0.331%
49	12.321	1735	1740	1743	rBV3	47434	50419	3.10%	0.182%
50	12.357	1743	1746	1748	rVV	36860	31557	1.94%	0.114%
51	12.380	1748	1750	1752	rVB	43288	32733	2.01%	0.118%
52	12.427	1752	1758	1761	rBV	122005	149629	9.19%	0.539%
53	12.468	1761	1765	1767	rVV2	66712	94206	5.78%	0.340%
54	12.521	1770	1774	1778	rBV2	99194	114234	7.01%	0.412%
55	12.598	1783	1787	1791	rBV	1474980	1526198	93.72%	5.501%
56	12.686	1799	1802	1805	rVB2	114422	97618	5.99%	0.352%
57	12.745	1805	1812	1815	rBV3	70951	101463	6.23%	0.366%
58	12.833	1819	1827	1831	rBV2	1317997	1628530	100.00%	5.870%
59	12.874	1831	1834	1838	rVB2	78531	92811	5.70%	0.335%
60	12.962	1842	1849	1856	rVB	1202559	1345477	82.62%	4.850%
61	13.045	1857	1863	1866	rBV2	115859	195924	12.03%	0.706%
62	13.127	1874	1877	1878	rBV3	89077	93906	5.77%	0.338%
63	13.151	1878	1881	1884	rVB2	215503	216390	13.29%	0.780%
64	13.180	1884	1886	1889	rBV	27586	29957	1.84%	0.108%
65	13.215	1889	1892	1895	rBV	143887	119874	7.36%	0.432%
66	13.257	1895	1899	1902	rBV2	157722	175788	10.79%	0.634%
67	13.310	1906	1908	1912	rBV2	35992	33821	2.08%	0.122%
68	13.351	1912	1915	1917	rBV	82913	74382	4.57%	0.268%
69	13.380	1917	1920	1923	rBV	100599	90966	5.59%	0.328%
70	13.433	1926	1929	1932	rBV	80954	74961	4.60%	0.270%
71	13.462	1932	1934	1938	rVB2	35054	29951	1.84%	0.108%

LSC Area Percent Report

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Operator : SJ/JU
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-2)-20171127

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-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.533	1941	1946	1947	rBV4	33874	50060	3.07%	0.180%
73	13.633	1960	1963	1965	rBV4	29536	33855	2.08%	0.122%
74	13.662	1965	1968	1972	rVB	128575	139183	8.55%	0.502%
75	13.768	1982	1986	1989	rBV2	152740	187480	11.51%	0.676%
76	13.798	1989	1991	1993	rVV	144262	123708	7.60%	0.446%
77	13.827	1993	1996	1998	rVV	112532	158637	9.74%	0.572%
78	13.868	2001	2003	2007	rVB	144668	134540	8.26%	0.485%
79	13.992	2020	2024	2026	rBV	641289	631815	38.80%	2.277%
80	14.015	2026	2028	2032	rVV2	849406	1172680	72.01%	4.227%
81	14.051	2032	2034	2041	rVB	695853	632731	38.85%	2.281%
82	14.127	2045	2047	2052	rVV	107102	116001	7.12%	0.418%
83	14.168	2052	2054	2056	rVV	68081	65166	4.00%	0.235%
84	14.215	2060	2062	2064	rVV	65413	52184	3.20%	0.188%
85	14.251	2064	2068	2071	rVV2	72140	91631	5.63%	0.330%
86	14.368	2086	2088	2090	rBV2	35503	33897	2.08%	0.122%
87	14.409	2092	2095	2097	rVB	119018	111766	6.86%	0.403%
88	14.439	2098	2100	2104	rVB	58026	56369	3.46%	0.203%
89	14.480	2104	2107	2110	rBV3	53835	81152	4.98%	0.293%
90	14.533	2114	2116	2118	rBV	63654	55784	3.43%	0.201%
91	15.068	2202	2207	2210	rBV	440884	682082	41.88%	2.458%
92	15.174	2222	2225	2232	rVB	93858	103506	6.36%	0.373%
93	15.374	2255	2259	2264	rVB	246061	331022	20.33%	1.193%
94	15.439	2265	2270	2274	rVV	379405	455795	27.99%	1.643%
95	15.498	2276	2280	2283	rVV	224792	294176	18.06%	1.060%
96	15.533	2283	2286	2292	rVB2	107131	152573	9.37%	0.550%
97	15.933	2351	2354	2359	rVB5	47406	70216	4.31%	0.253%
98	16.980	2527	2532	2540	rVB2	159507	300451	18.45%	1.083%
99	17.215	2568	2572	2577	rBV3	31749	54329	3.34%	0.196%
100	17.433	2603	2609	2617	rBV	127001	255553	15.69%	0.921%

Sum of corrected areas: 27744261

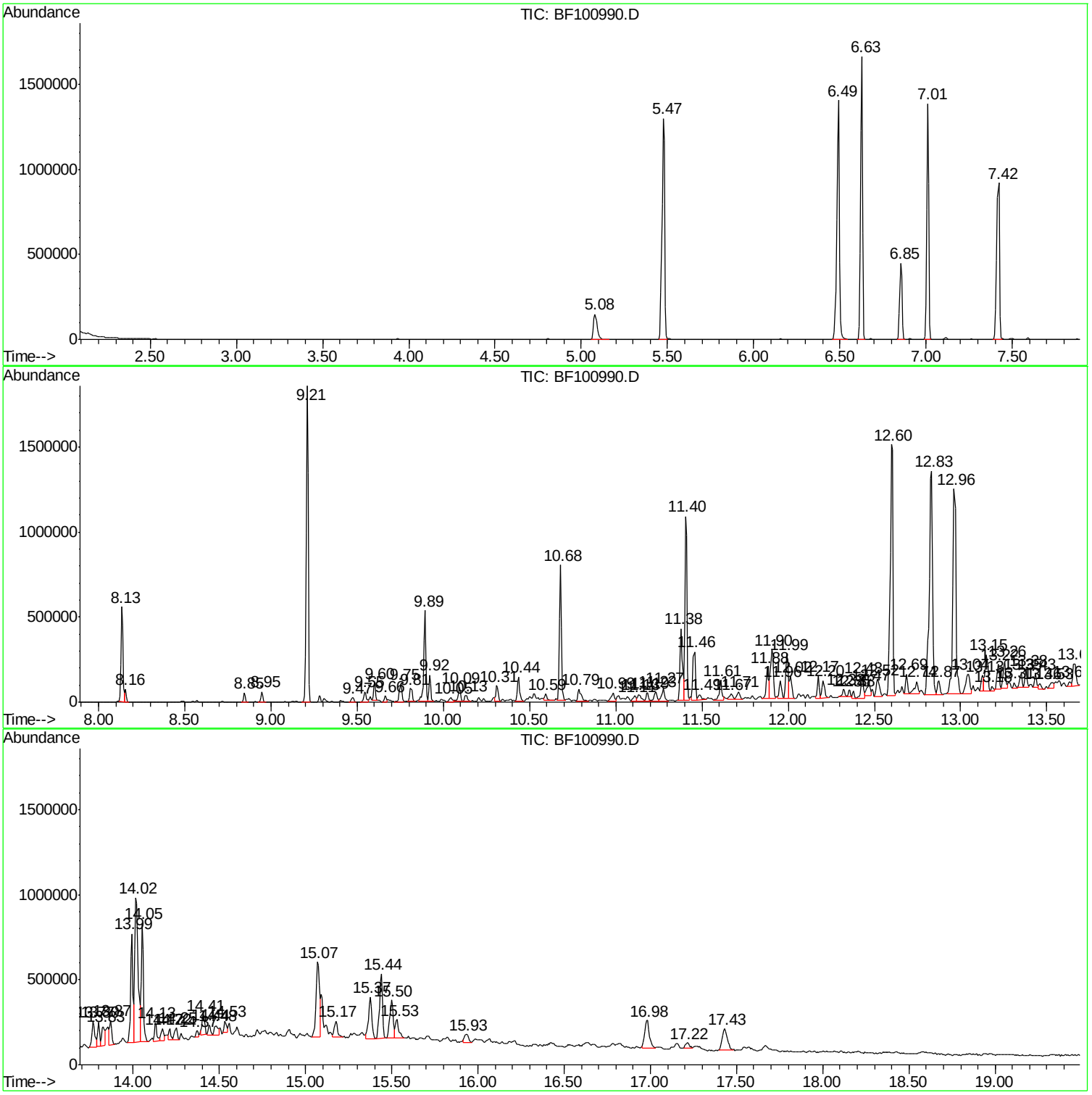
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100990.D
Acq On : 29 Nov 2017 20:45
Operator : SJ/JU
Sample : I6610-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-10(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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\BF112917\
Data File : BF100990.D
Acq On : 29 Nov 2017 20:45
Operator : SJ/JU
Sample : I6610-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

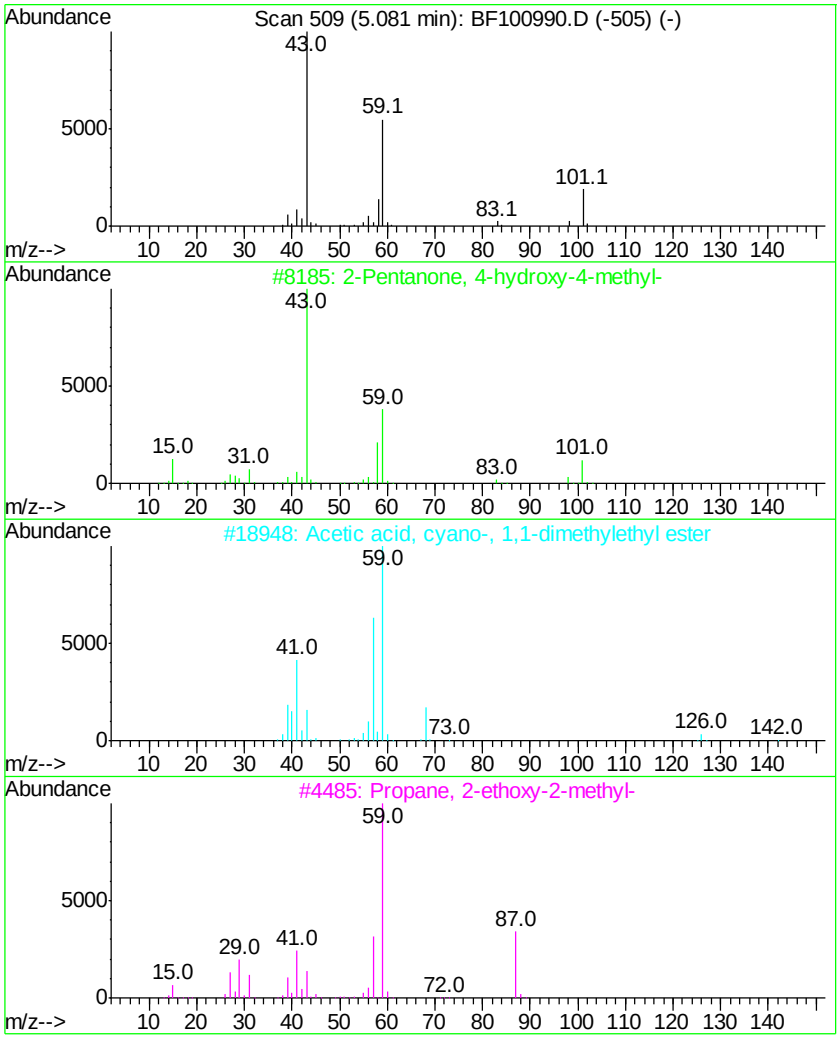
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

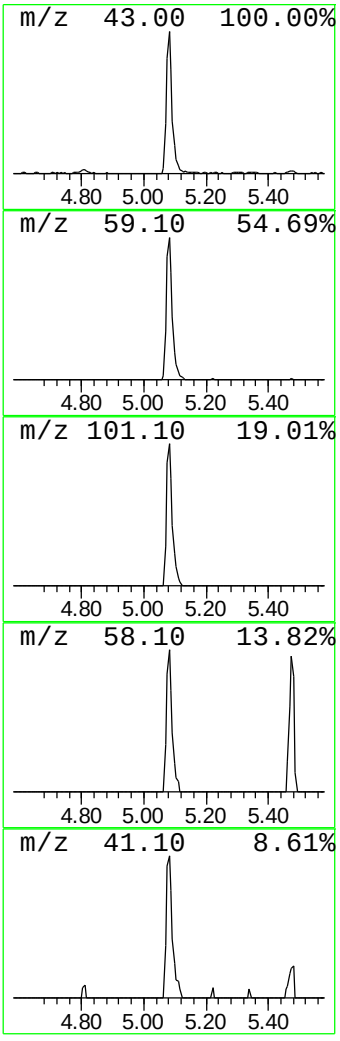
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	10.34 ng	195959	1,4-Dichlorobenzene-d4	6.85

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	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100990.D
Acq On : 29 Nov 2017 20:45
Operator : SJ/JU
Sample : I6610-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

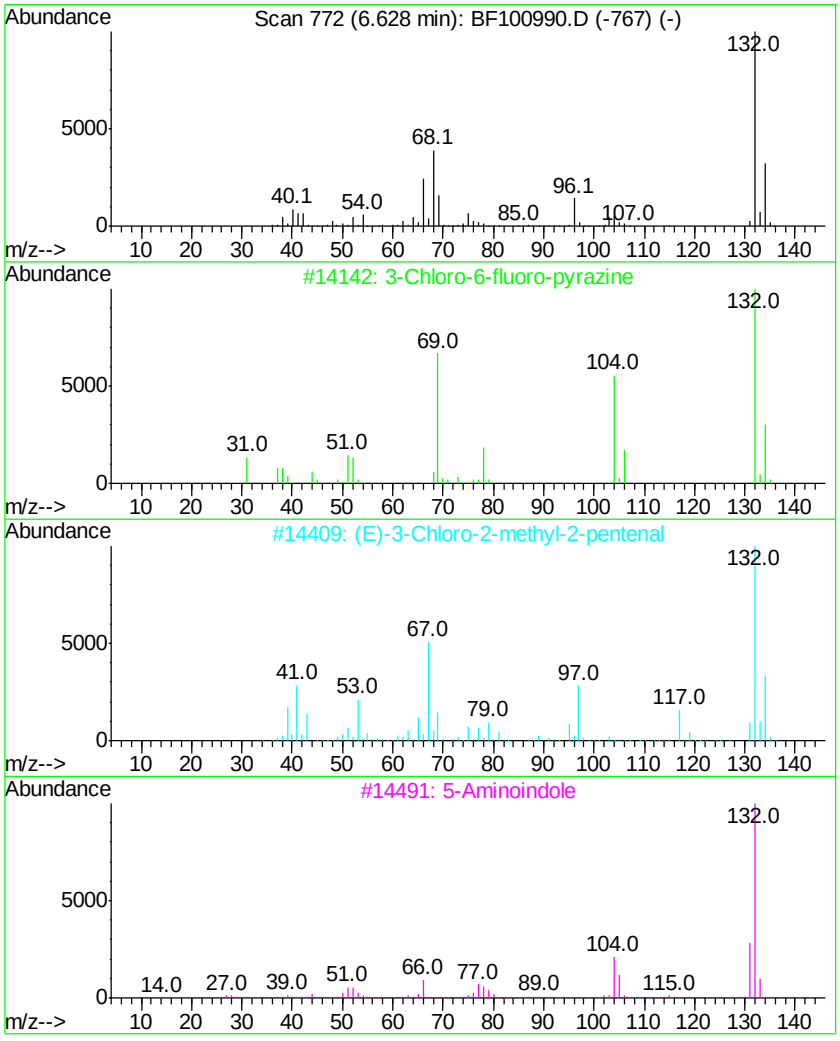
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

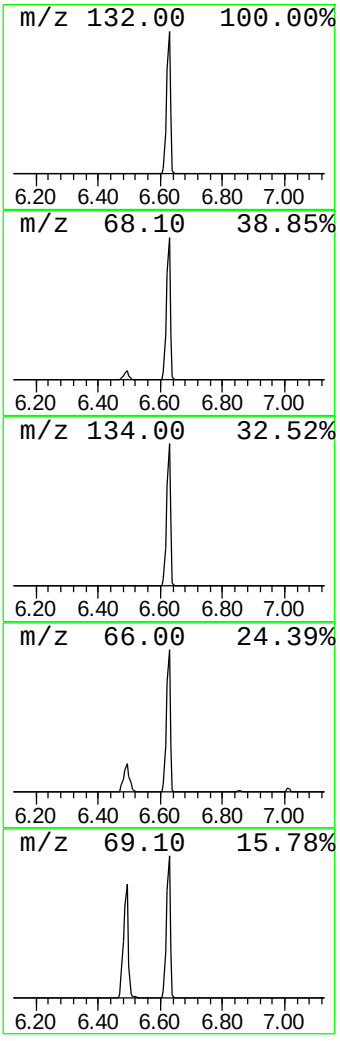
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	76.89 ng	1457280	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





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ClientSampleId : SB-10(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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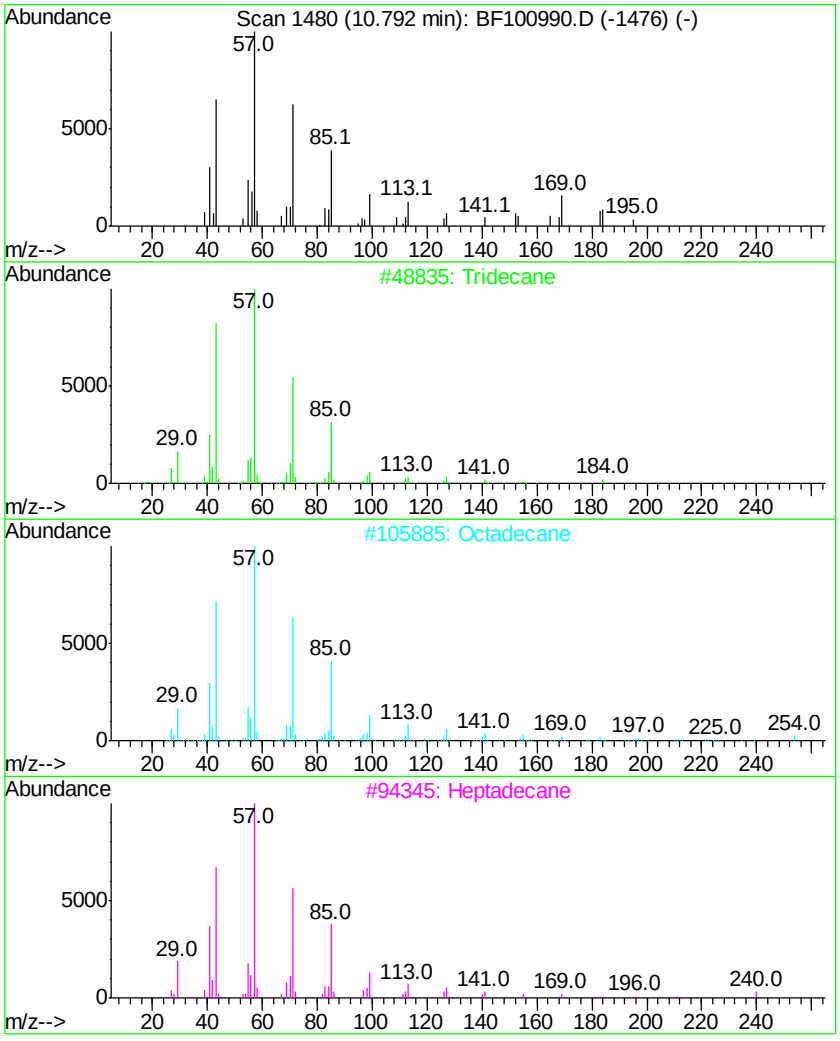
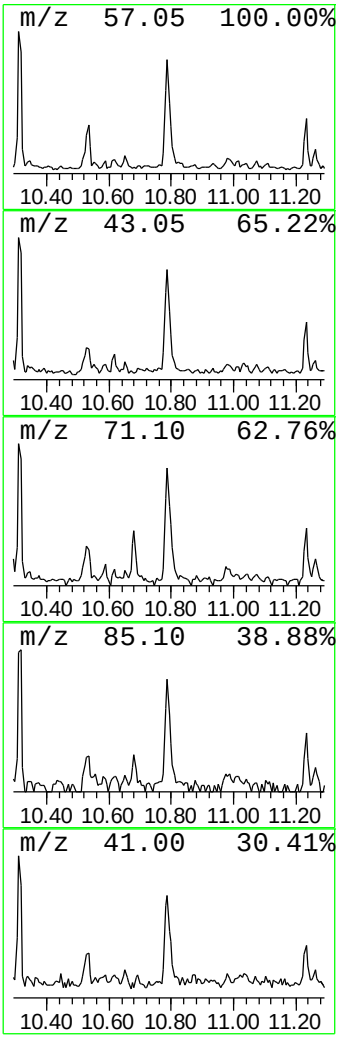
Peak Number 4 Tridecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	5.11 ng	101968	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Octadecane	254	C18H38	000593-45-3	80
3	Heptadecane	240	C17H36	000629-78-7	80
4	Hexadecane	226	C16H34	000544-76-3	80
5	Eicosane	282	C20H42	000112-95-8	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100990.D
Acq On : 29 Nov 2017 20:45
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Sample : I6610-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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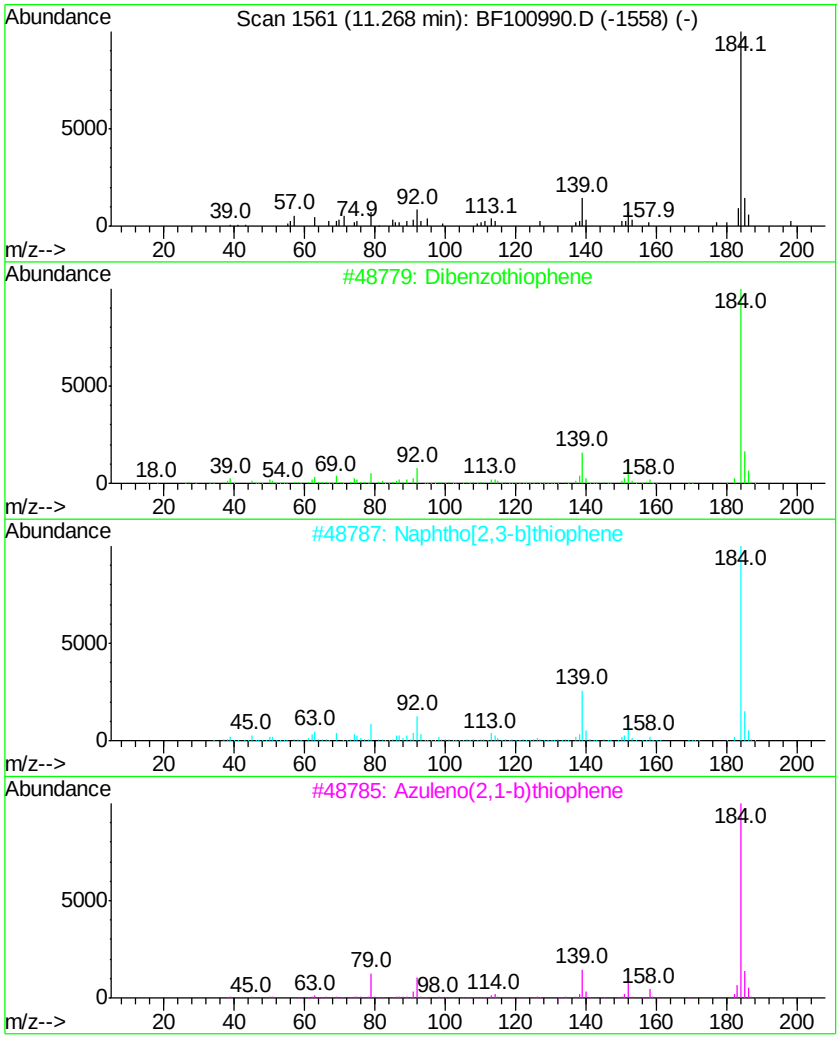
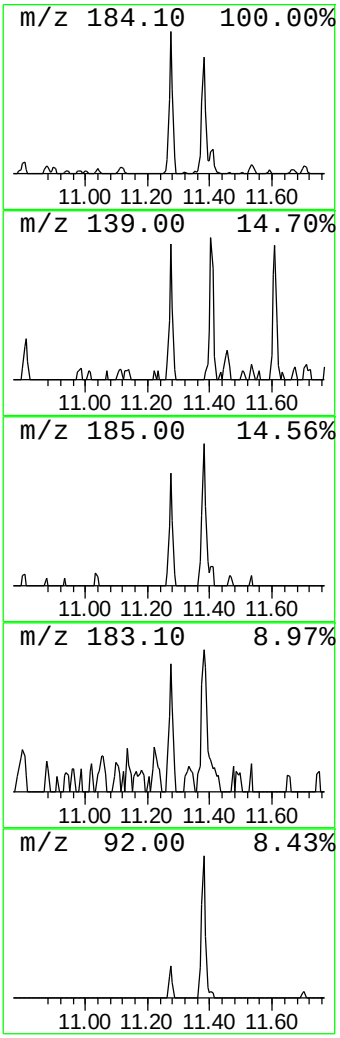
Peak Number 5 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.27	3.79 ng	75580	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	86
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100990.D
Acq On : 29 Nov 2017 20:45
Operator : SJ/JU
Sample : I6610-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

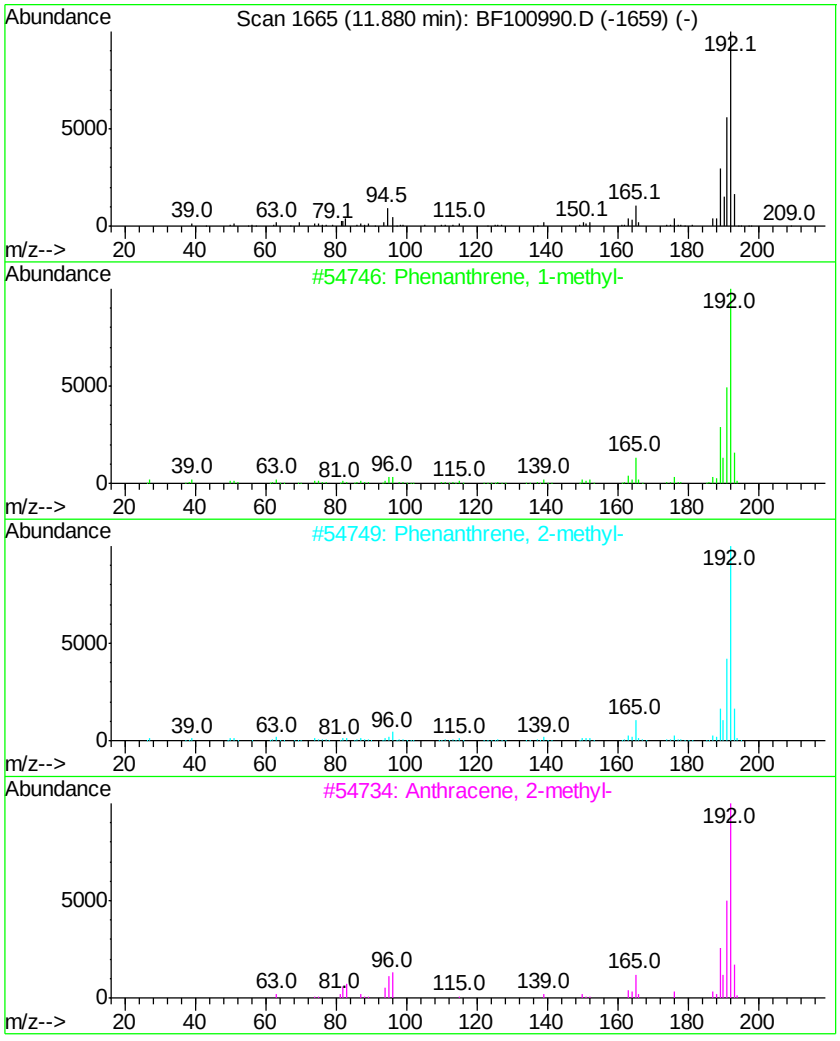
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

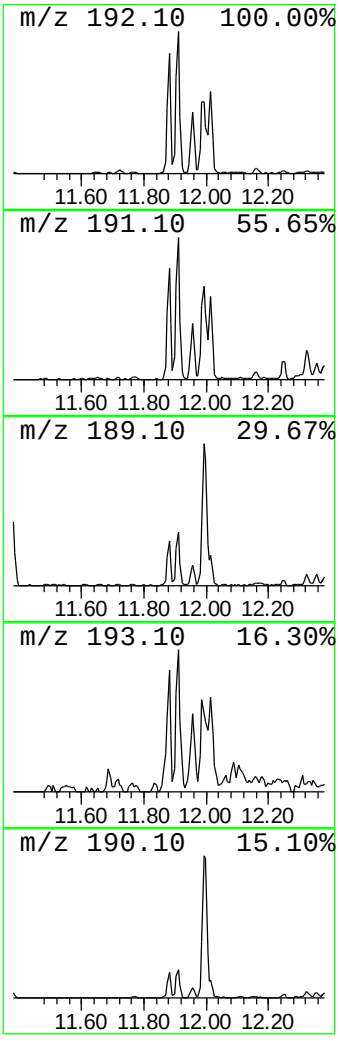
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	9.91 ng	197623	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Acq On : 29 Nov 2017 20:45
Operator : SJ/JU
Sample : I6610-14
Misc :
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ClientSampleId : SB-10(0-2)-20171127

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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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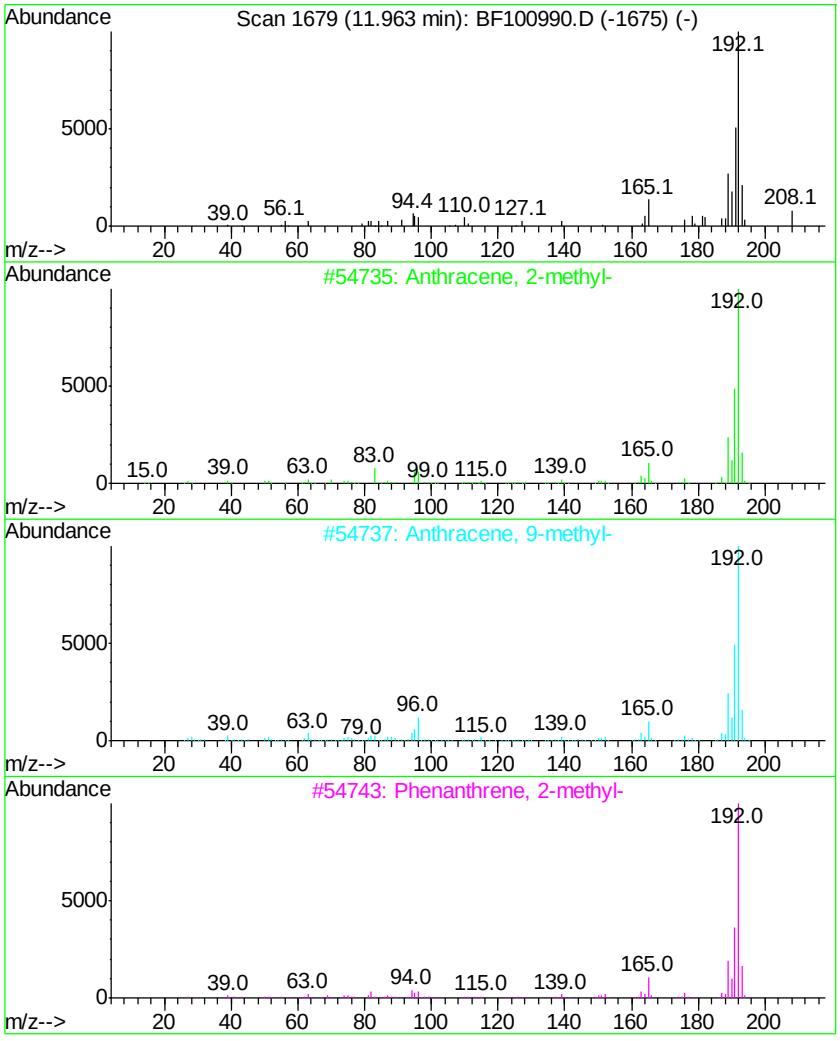
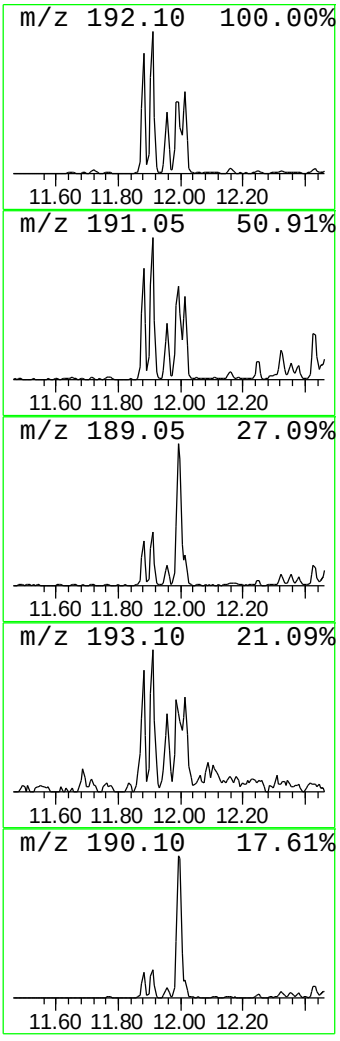
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	4.47 ng	89102	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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ClientSampleId : SB-10(0-2)-20171127

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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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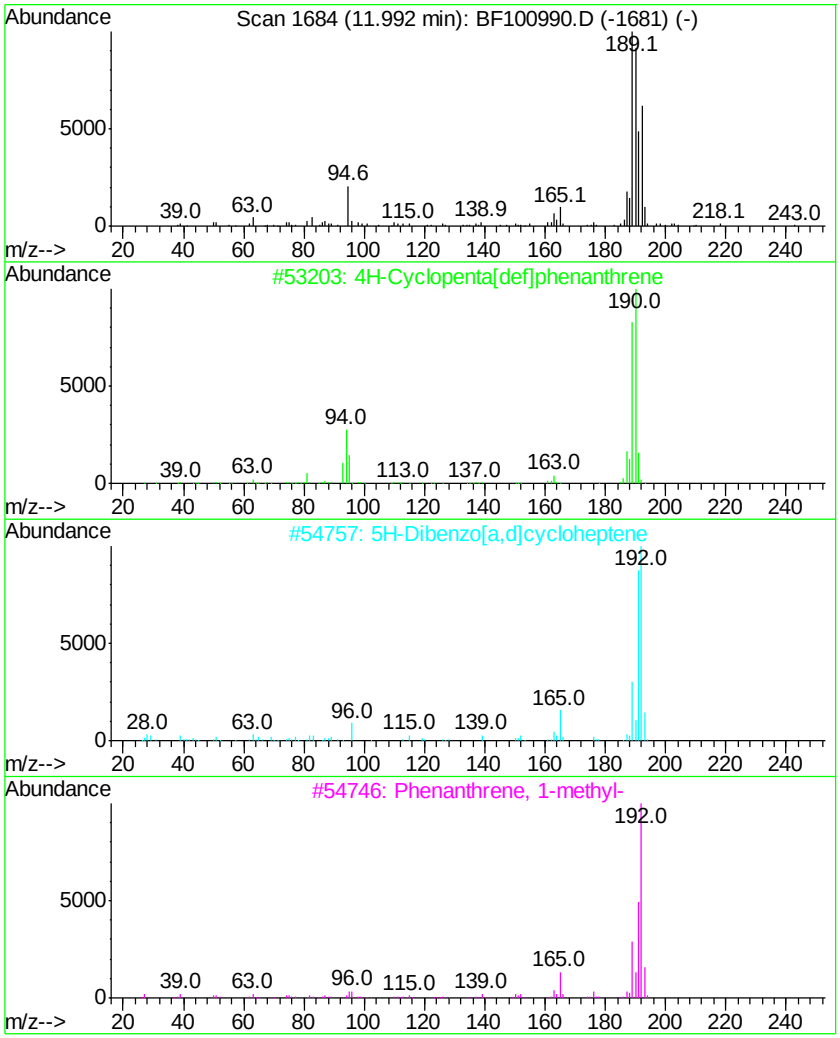
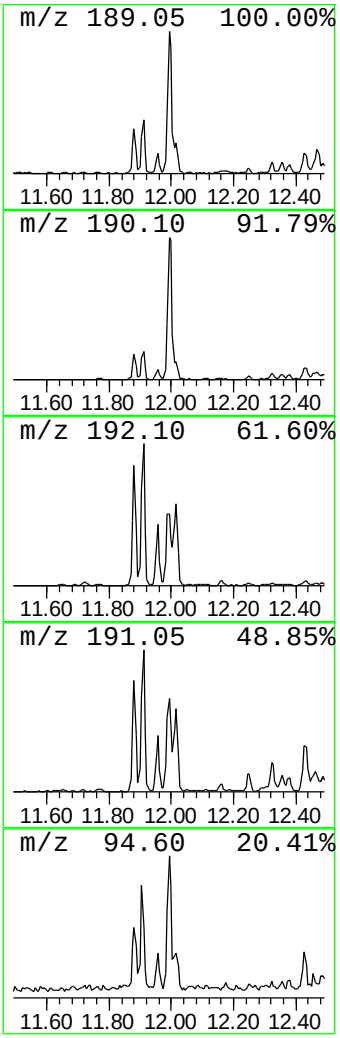
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	14.20 ng	283133	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	25





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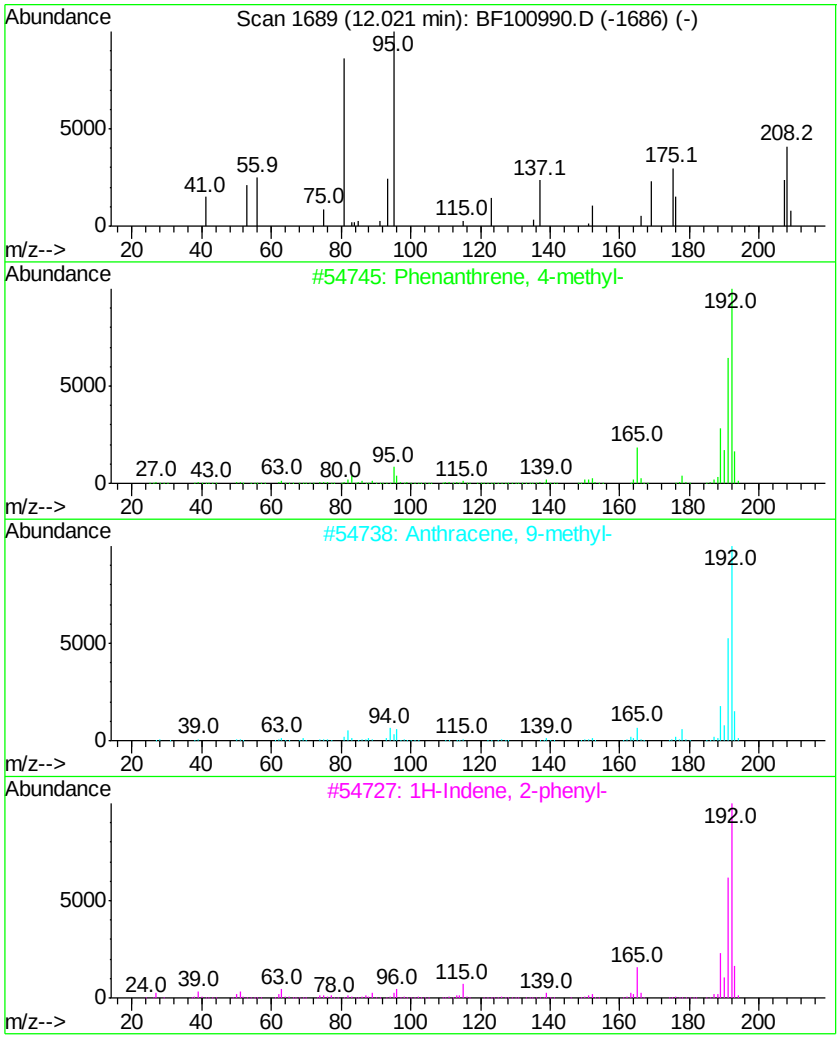
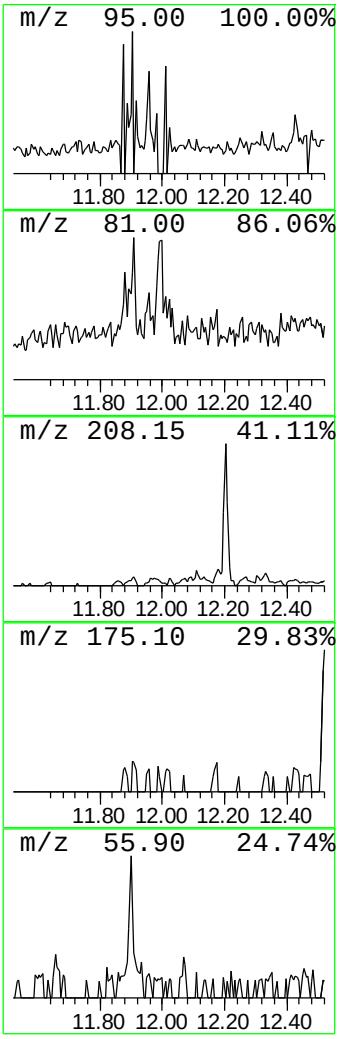
Peak Number 10 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	5.30 ng	105755	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	83
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81





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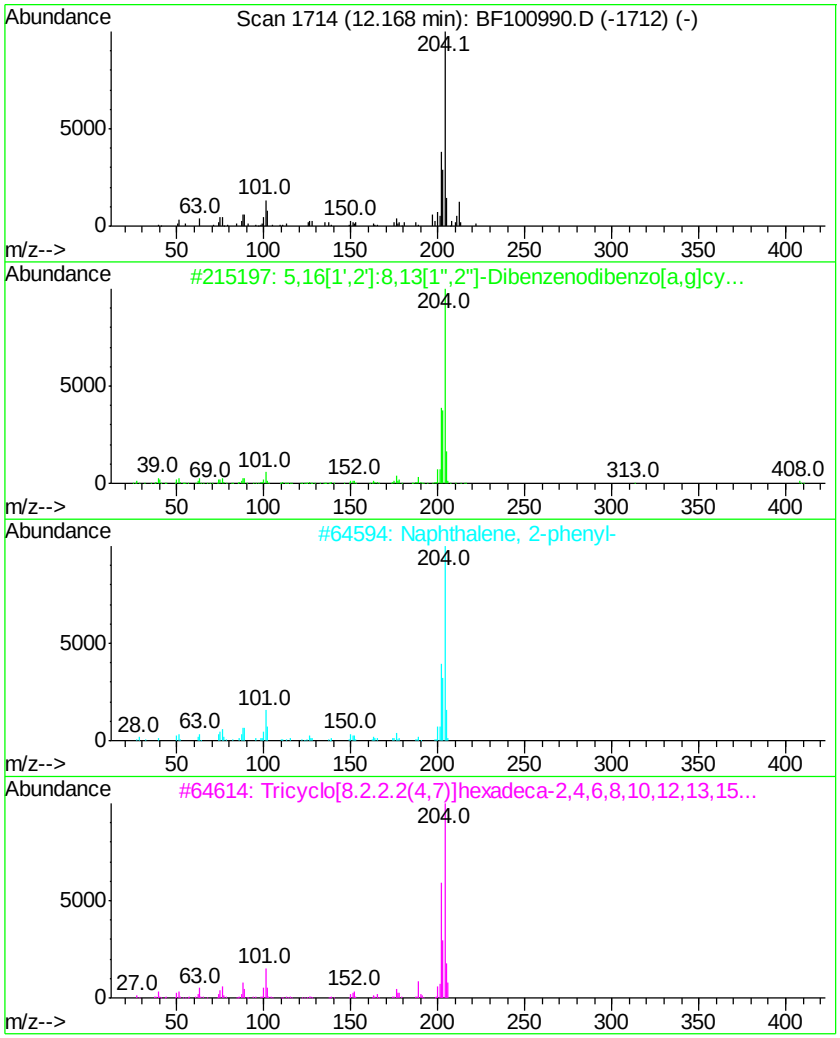
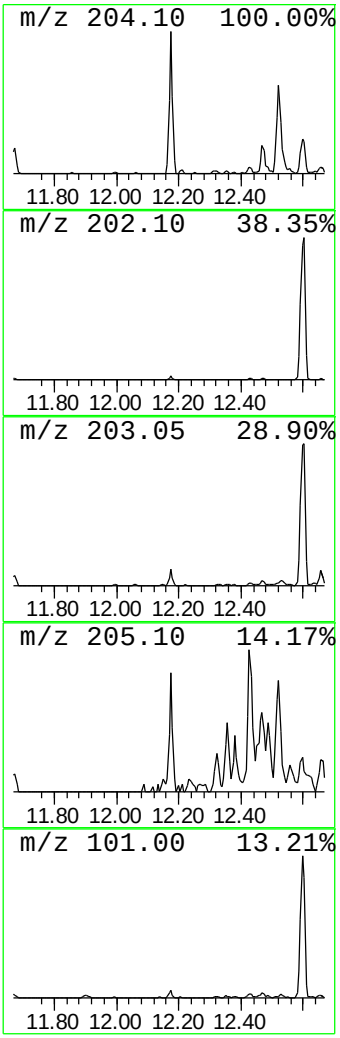
Peak Number 11 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	5.31 ng	105769	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	49





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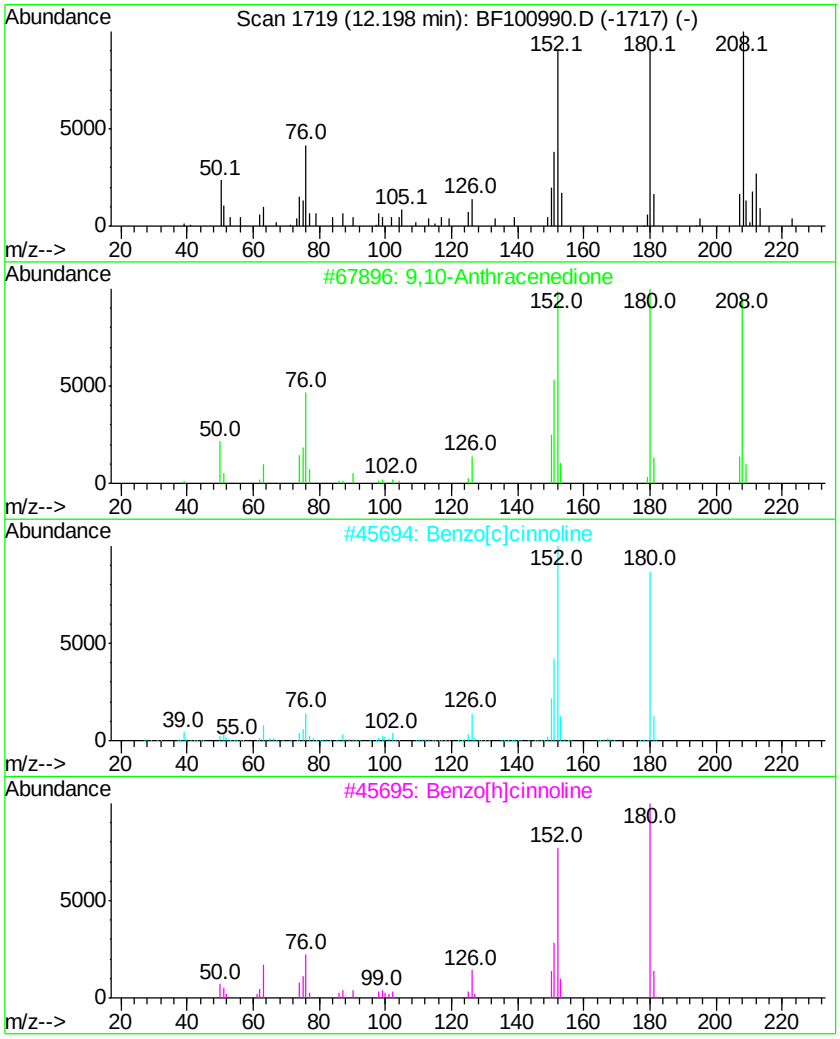
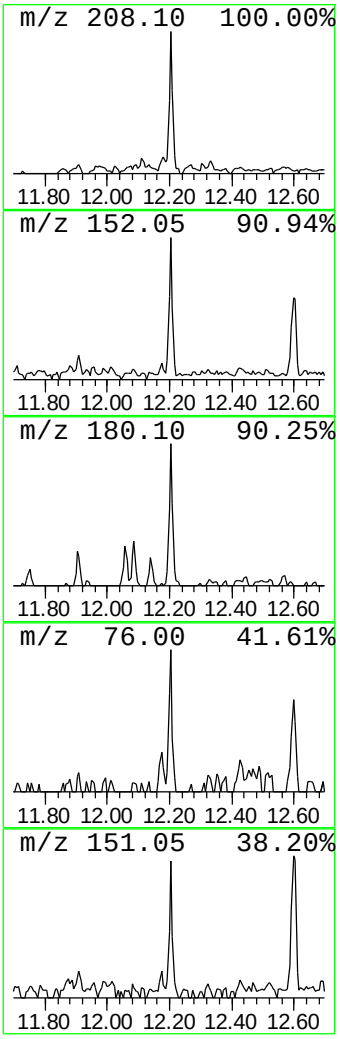
Peak Number 12 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	4.60 ng	91741	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





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TIC Integration Parameters: LSCINT.P

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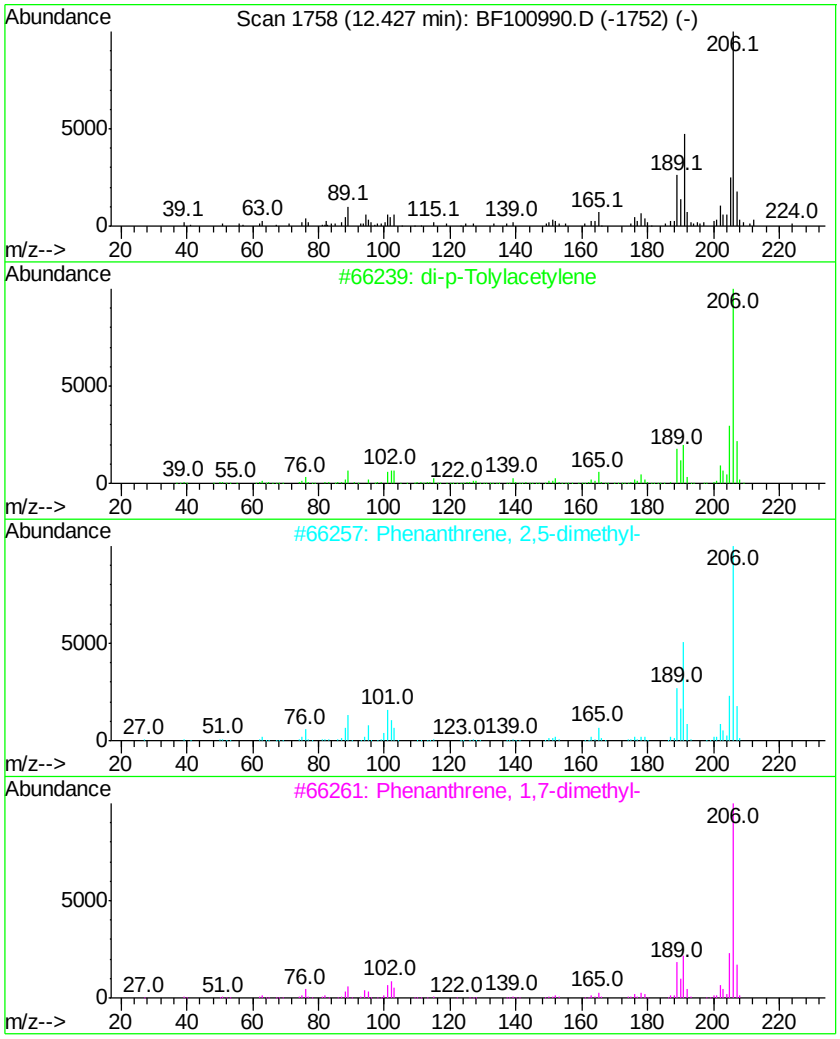
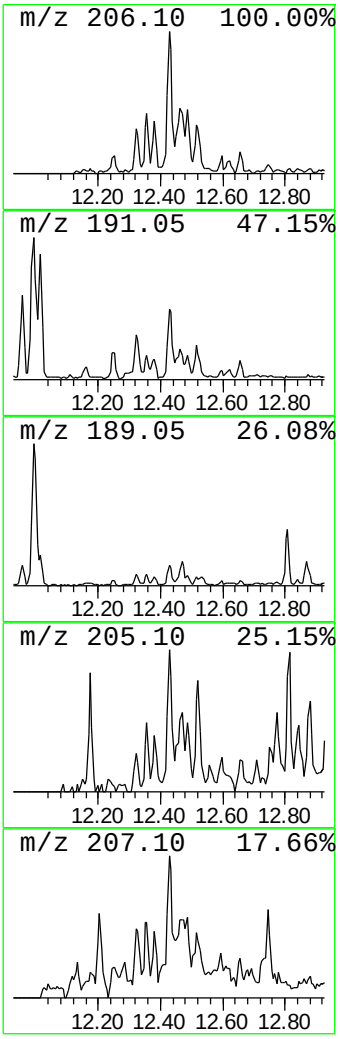
Peak Number 13 di-p-Tolylacetylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	7.51 ng	149629	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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ClientSampleId : SB-10(0-2)-20171127

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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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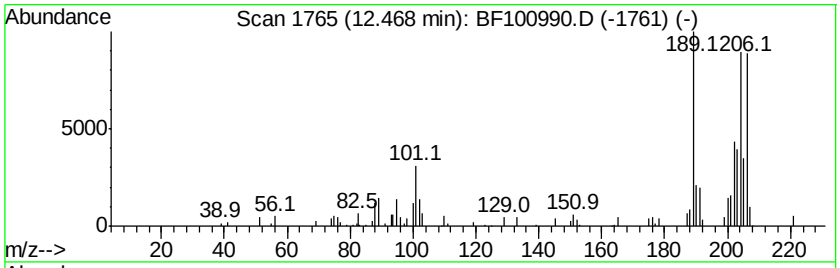
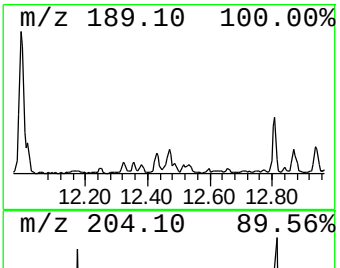
Peak Number 14 unknown12.47 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	4.73 ng	94206	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27





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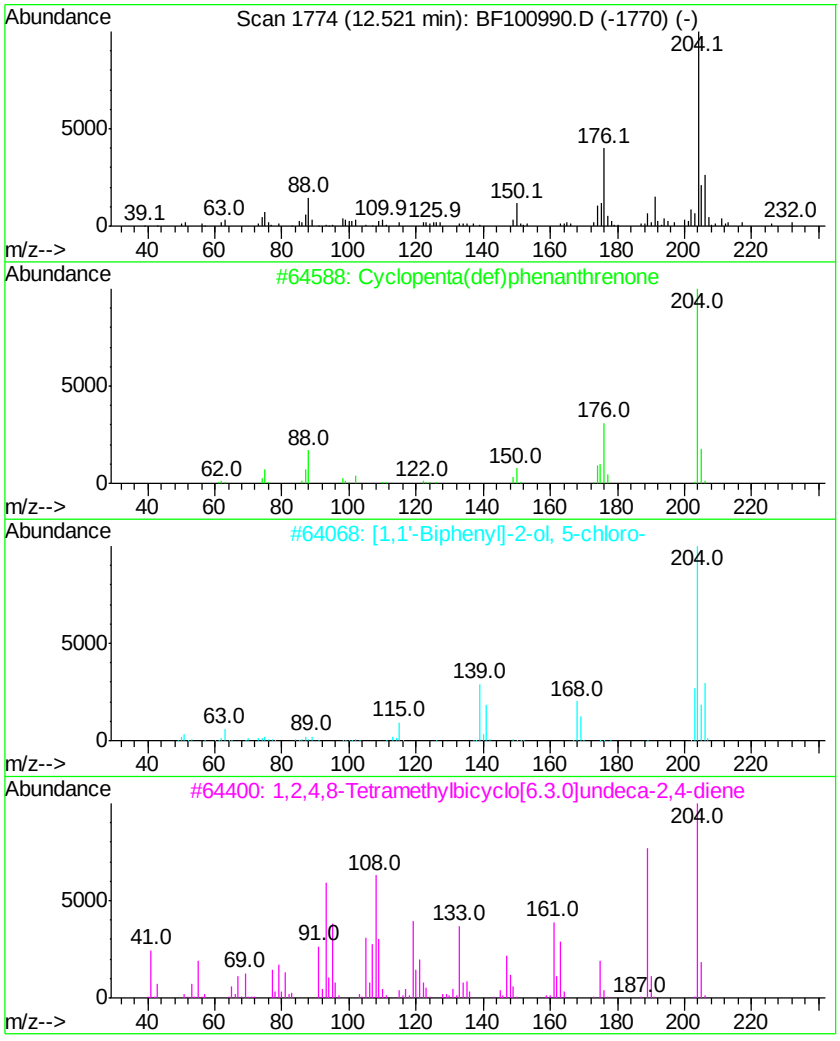
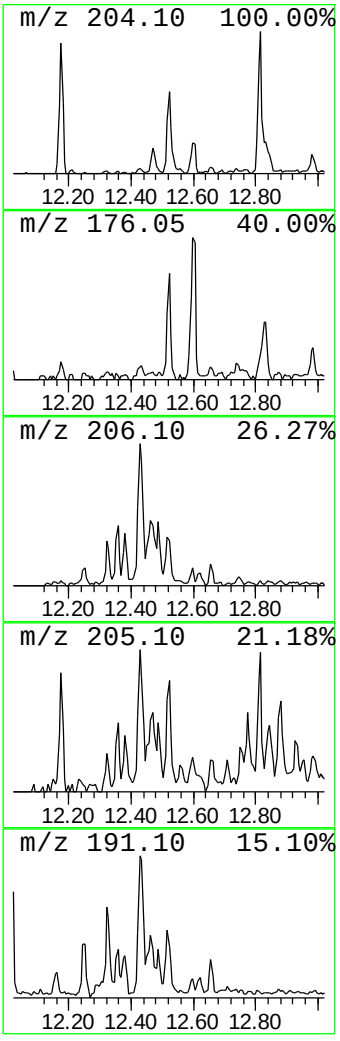
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	5.73 ng	114234	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





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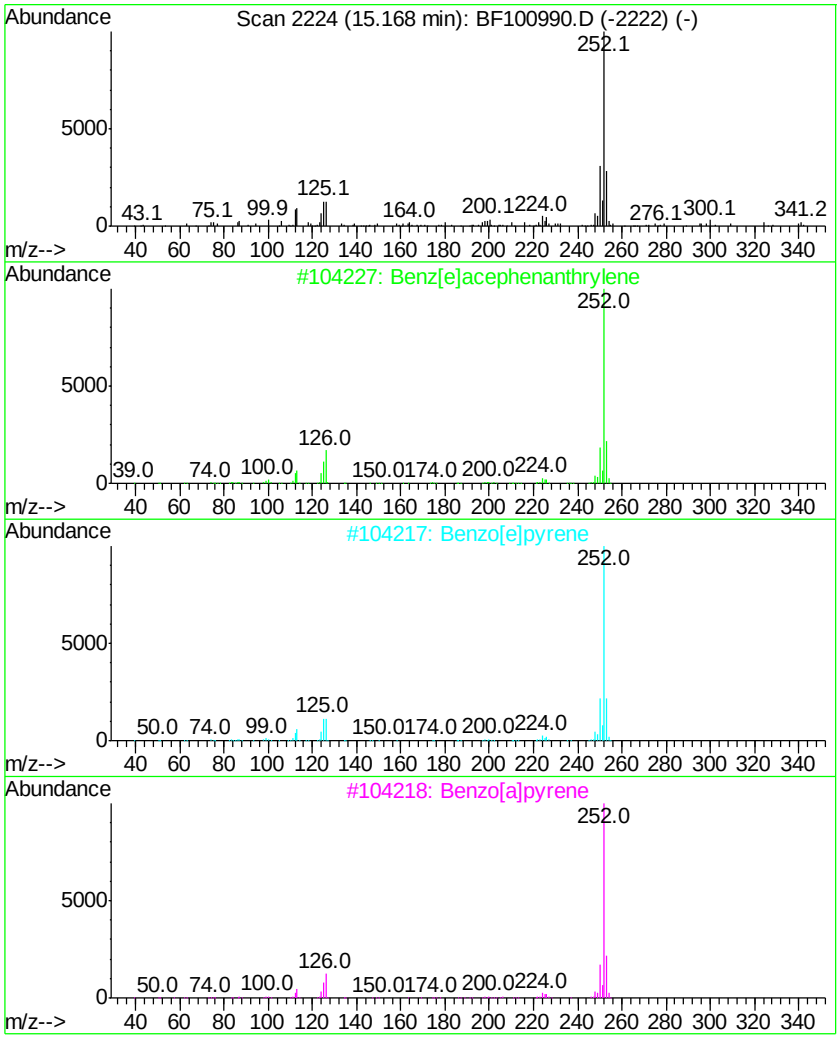
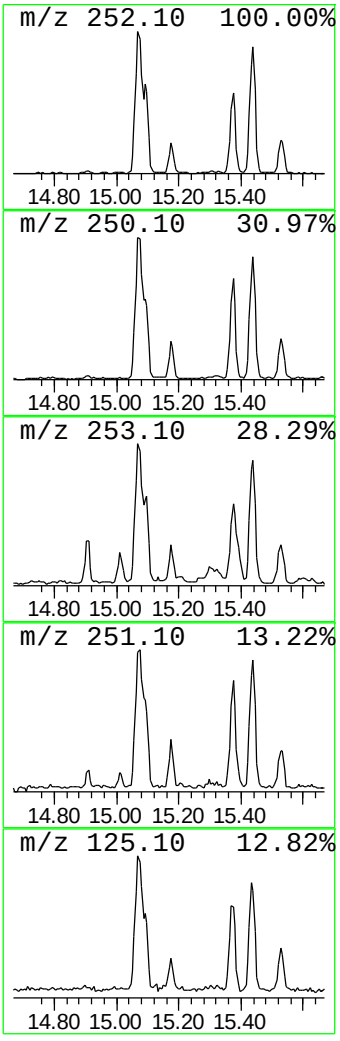
Peak Number 17 Benz[e]acephenanthrylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	7.04 ng	103506	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	91
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Perylene	252	C20H12	000198-55-0	81





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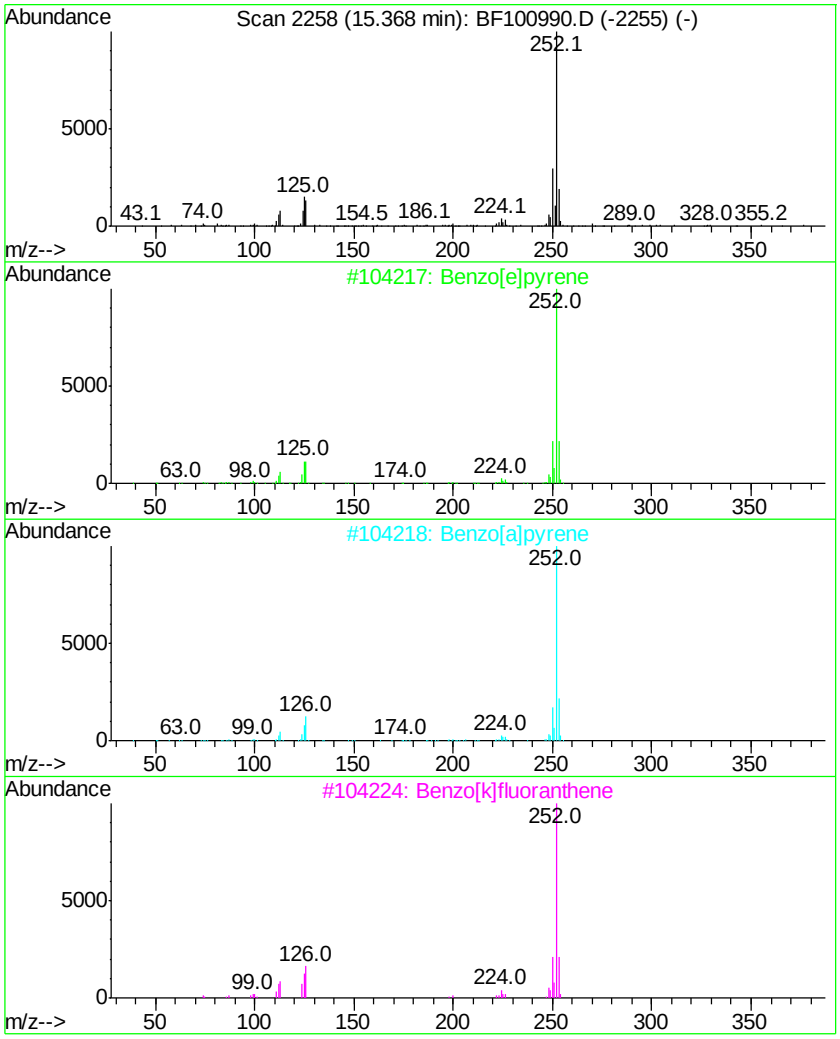
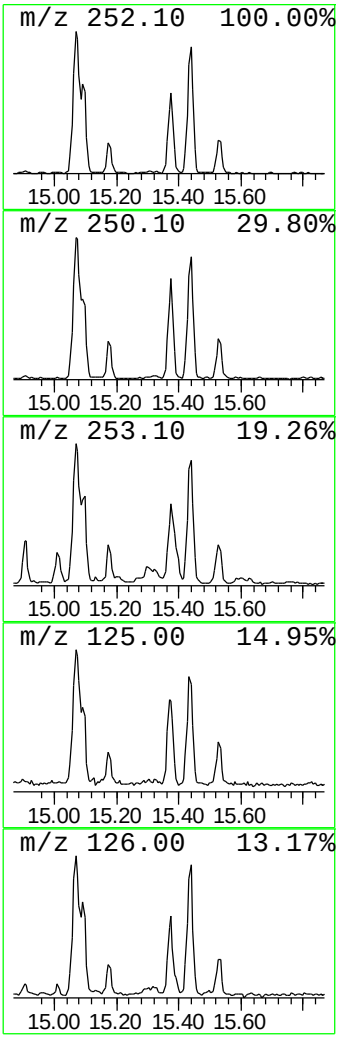
Peak Number 18 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	22.51 ng	331022	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Perylene	252	C20H12	000198-55-0	95





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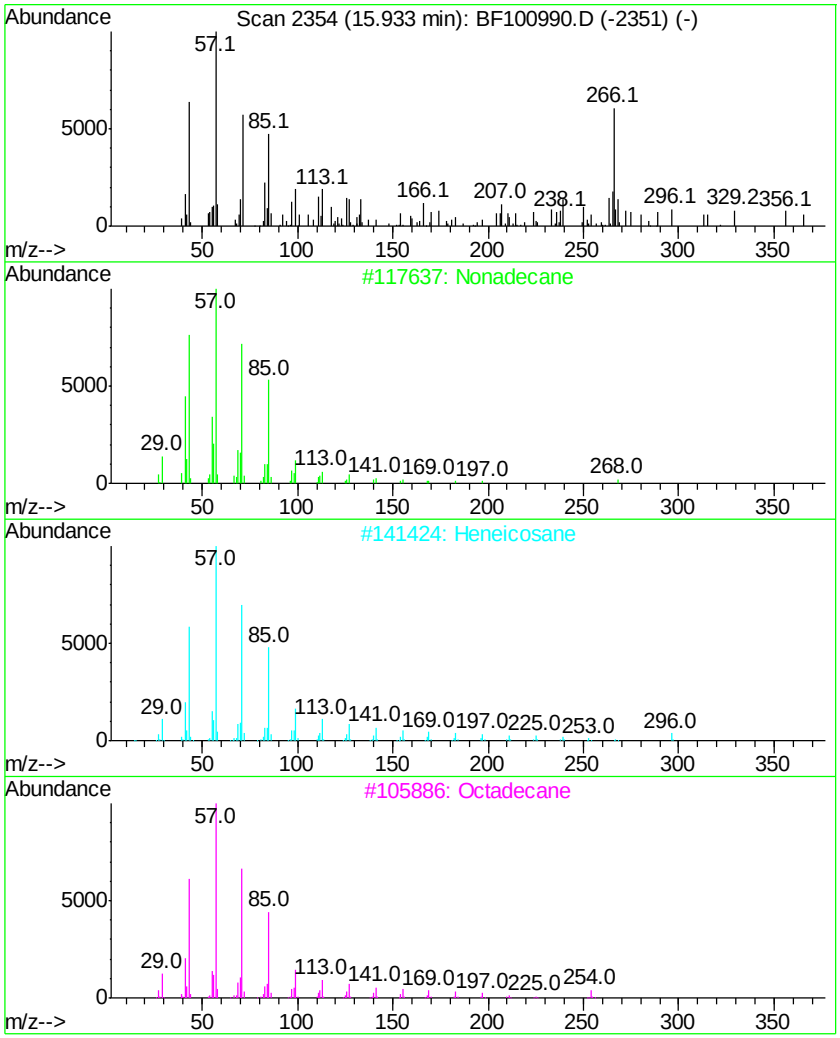
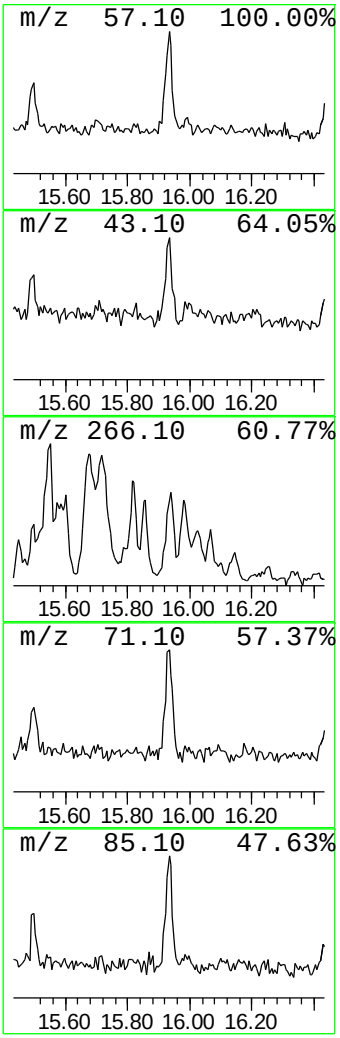
Peak Number 19 Nonadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	4.77 ng	70216	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	50
2	Heneicosane	296	C21H44	000629-94-7	46
3	Octadecane	254	C18H38	000593-45-3	41
4	Dodecane	170	C12H26	000112-40-3	38
5	Hexadecane	226	C16H34	000544-76-3	38





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Instrument : BNA_F
ClientSampleId : SB-10(0-2)-20171127

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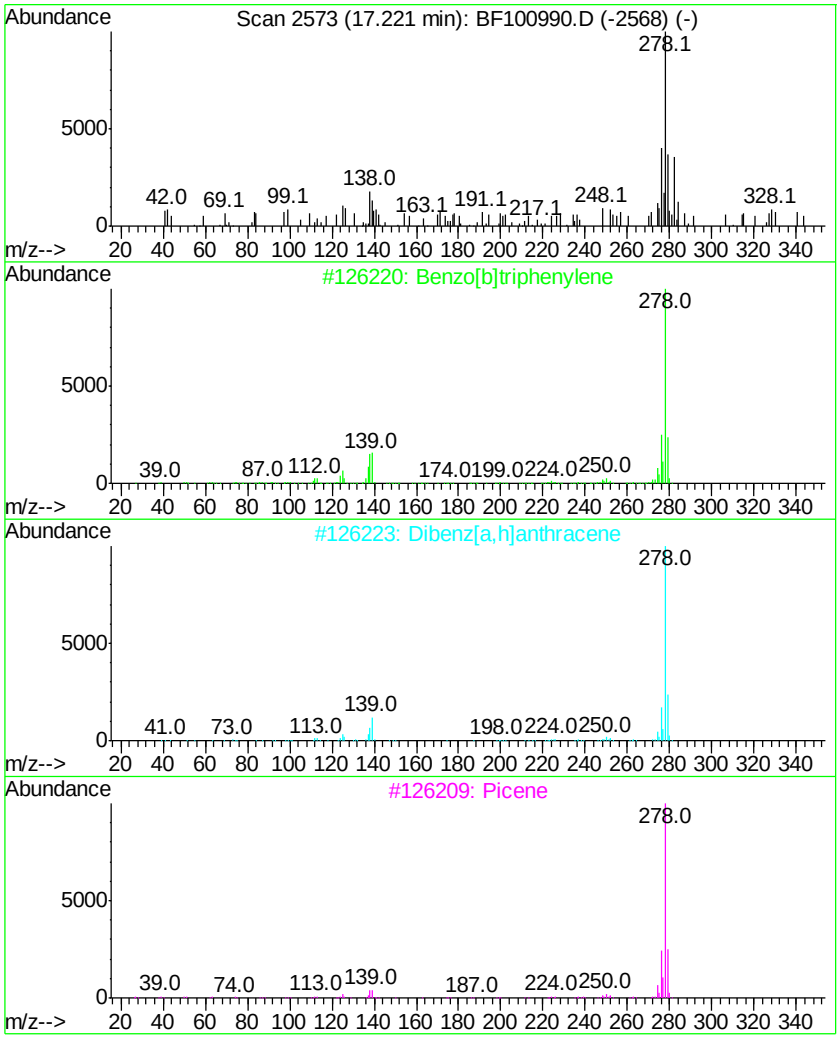
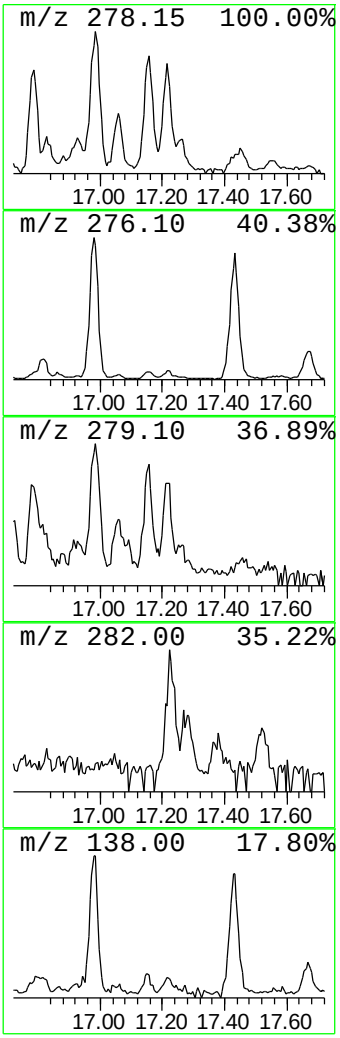
Peak Number 20 Benzo[b]triphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	3.69 ng	54329	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	83
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	64
3	Picene	278	C22H14	000213-46-7	64
4	Pentaphene	278	C22H14	000222-93-5	64
5	Estra-1,3,5,7,9,15-hexaen-17-one...	278	C19H18O2	056588-53-5	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100990.D
Acq On : 29 Nov 2017 20:45
Operator : SJ/JU
Sample : I6610-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-10(0-2)-20171127

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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...	5.08	10.3	ng	195959	1	6.85	379037	20.0
unknown6.63	6.63	76.9	ng	1457280	1	6.85	379037	20.0
Tridecane	10.79	5.1	ng	101968	4	11.38	398710	20.0
Dibenzothiophene	11.27	3.8	ng	75580	4	11.38	398710	20.0
Phenanthrene, 1-m...	11.88	9.9	ng	197623	4	11.38	398710	20.0
Anthracene, 2-met...	11.96	4.5	ng	89102	4	11.38	398710	20.0
4H-Cyclopenta[def...	11.99	14.2	ng	283133	4	11.38	398710	20.0
Phenanthrene, 4-m...	12.02	5.3	ng	105755	4	11.38	398710	20.0
5,16[1',2']:8,13[...	12.17	5.3	ng	105769	4	11.38	398710	20.0
9,10-Anthracenedione	12.20	4.6	ng	91741	4	11.38	398710	20.0
di-p-Tolylacetylene	12.43	7.5	ng	149629	4	11.38	398710	20.0
unknown12.47	12.47	4.7	ng	94206	4	11.38	398710	20.0
Cyclopenta(def)ph...	12.52	5.7	ng	114234	4	11.38	398710	20.0
Benz[e]acephenant...	15.17	7.0	ng	103506	6	15.50	294176	20.0
Benzo[e]pyrene	15.37	22.5	ng	331022	6	15.50	294176	20.0
Nonadecane	15.93	4.8	ng	70216	6	15.50	294176	20.0
Benzo[b]triphenylene	17.22	3.7	ng	54329	6	15.50	294176	20.0