LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099005.D
Acq On : 2 Oct 2017 17:48
Operator : SJ/JU
Sample : I5534-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SASP2P-ENV-114-1(0-5)

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-BF092317.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	2.210	16	21	28	rVB	146047	197235	5.83%	0.404%
2	5.134	514	518	531	rVB	474898	649657	19.19%	1.331%
3	5.528	579	585	588	rBV	2933065	3021039	89.25%	6.189%
4	6.528	749	755	758	rBV	2734449	3081039	91.02%	6.312%
5	6.675	775	780	783	rBV	3010504	3151722	93.11%	6.457%
6	6.898	815	818	822	rBV	911776	833079	24.61%	1.707%
7	7.057	841	845	848	rBV	2706908	2464160	72.80%	5.048%
8	7.463	909	914	917	rBV	1956196	2026131	59.86%	4.151%
9	7.534	923	926	933	rVB	36082	35802	1.06%	0.073%
10	8.181	1032	1036	1039	rBV	1141799	1111878	32.85%	2.278%
11	8.204	1039	1040	1043	rVB	226969	117597	3.47%	0.241%
12	8.892	1154	1157	1162	rVB	63334	54534	1.61%	0.112%
13	9.257	1214	1219	1222	rBV	3456110	3385062	100.00%	6.935%
14	9.357	1234	1236	1241	rVB	43697	35084	1.04%	0.072%
15	9.651	1282	1286	1289	rVB	573011	497723	14.70%	1.020%
16	9.857	1317	1321	1325	rVB	44352	44171	1.30%	0.090%
17	9.939	1325	1335	1338	rBV2	1259771	1120842	33.11%	2.296%
18	9.969	1338	1340	1344	rVB	342492	286029	8.45%	0.586%
19	10.145	1364	1370	1373	rBV	219829	212710	6.28%	0.436%
20	10.363	1399	1407	1409	rVB	68532	73282	2.16%	0.150%
21	10.486	1424	1428	1433	rVB	223427	190040	5.61%	0.389%
22	10.575	1441	1443	1446	rVB2	44700	38306	1.13%	0.078%
23	10.727	1465	1469	1474	rBV	1640340	1531367	45.24%	3.137%
24	10.833	1484	1487	1496	rBV2	87016	115349	3.41%	0.236%
25	11.033	1515	1521	1524	rBV4	31757	49739	1.47%	0.102%
26	11.227	1551	1554	1558	rVB	175743	157312	4.65%	0.322%
27	11.280	1558	1563	1565	rVV2	69723	66757	1.97%	0.137%
28	11.322	1565	1570	1575	rVB	200480	185044	5.47%	0.379%
29	11.427	1584	1588	1590	rBV	1043960	973800	28.77%	1.995%
30	11.457	1590	1593	1596	rVV	2457382	2214850	65.43%	4.538%
31	11.504	1596	1601	1604	rVV	562788	522645	15.44%	1.071%
32	11.533	1604	1606	1612	rVB2	39541	43758	1.29%	0.090%
33	11.657	1620	1627	1630	rBV	350174	357038	10.55%	0.731%
34	11.722	1633	1638	1641	rVV3	42016	56550	1.67%	0.116%

LSC Area Percent Report

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Acq On : 2 Oct 2017 17:48
Operator : SJ/JU
Sample : I5534-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SASP2P-ENV-114-1(0-5)

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.757	1641	1644	1648	rVB3	37136	37228	1.10%	0.076%
36	11.927	1667	1673	1675	rBV	167153	160617	4.74%	0.329%
37	11.957	1675	1678	1681	rVB	216068	201516	5.95%	0.413%
38	12.004	1683	1686	1689	rVB	63919	52344	1.55%	0.107%
39	12.039	1689	1692	1695	rBV2	266042	283889	8.39%	0.582%
40	12.063	1695	1696	1699	rVB	94655	48923	1.45%	0.100%
41	12.110	1699	1704	1706	rBV3	22863	36123	1.07%	0.074%
42	12.221	1720	1723	1725	rBV	158020	126786	3.75%	0.260%
43	12.245	1725	1727	1733	rVB	212201	188580	5.57%	0.386%
44	12.369	1743	1748	1751	rBV2	38192	37831	1.12%	0.078%
45	12.480	1760	1767	1770	rBV2	70090	108664	3.21%	0.223%
46	12.563	1778	1781	1786	rVB	122780	116231	3.43%	0.238%
47	12.645	1790	1795	1798	rBV	2526790	2195126	64.85%	4.497%
48	12.704	1803	1805	1808	rVB2	46447	36244	1.07%	0.074%
49	12.768	1812	1816	1817	rBV3	33077	42323	1.25%	0.087%
50	12.792	1817	1820	1823	rVV2	93589	98213	2.90%	0.201%
51	12.874	1827	1834	1837	rBV	2041417	2285353	67.51%	4.682%
52	12.916	1839	1841	1845	rVB2	84608	77563	2.29%	0.159%
53	13.010	1849	1857	1864	rBV	2460873	2521230	74.48%	5.165%
54	13.092	1864	1871	1873	rBV2	89844	166075	4.91%	0.340%
55	13.116	1873	1875	1878	rVV	67575	59277	1.75%	0.121%
56	13.174	1880	1885	1886	rVV4	72085	103075	3.04%	0.211%
57	13.198	1886	1889	1892	rVB	136096	143040	4.23%	0.293%
58	13.263	1897	1900	1902	rVV	81433	63156	1.87%	0.129%
59	13.298	1902	1906	1909	rVV2	130867	147195	4.35%	0.302%
60	13.327	1909	1911	1913	rVB	47395	38900	1.15%	0.080%
61	13.392	1920	1922	1925	rBV2	59357	45369	1.34%	0.093%
62	13.421	1925	1927	1931	rBV2	64562	70849	2.09%	0.145%
63	13.574	1948	1953	1954	rBV3	28623	40815	1.21%	0.084%
64	13.704	1971	1975	1980	rVB	194118	206397	6.10%	0.423%
65	13.815	1989	1994	1996	rBV2	208181	242429	7.16%	0.497%
66	13.845	1996	1999	2001	rVV	162318	157572	4.65%	0.323%
67	13.868	2001	2003	2005	rVV	157263	180409	5.33%	0.370%
68	13.892	2005	2007	2008	rVV	219632	195161	5.77%	0.400%
69	13.910	2008	2010	2016	rVB	253457	230367	6.81%	0.472%
70	13.986	2021	2023	2026	rVV	48077	46111	1.36%	0.094%
71	14.063	2029	2036	2039	rVV3	1351673	2056607	60.76%	4.213%

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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.092	2039	2041	2049	rVB	879209	891585	26.34%	1.827%
73	14.174	2052	2055	2058	rVV	149996	128619	3.80%	0.263%
74	14.210	2059	2061	2065	rVV3	58379	71838	2.12%	0.147%
75	14.257	2066	2069	2071	rVB	79476	71252	2.10%	0.146%
76	14.292	2071	2075	2078	rBV2	110519	140546	4.15%	0.288%
77	14.451	2100	2102	2105	rVB	130192	95199	2.81%	0.195%
78	14.486	2105	2108	2111	rBV	60599	60930	1.80%	0.125%
79	14.574	2121	2123	2126	rBV	73103	68677	2.03%	0.141%
80	14.598	2126	2127	2130	rVB	54568	38023	1.12%	0.078%
81	14.762	2153	2155	2158	rVB2	46783	40874	1.21%	0.084%
82	14.951	2183	2187	2190	rBV2	43645	79674	2.35%	0.163%
83	15.027	2197	2200	2204	rBV5	68682	135374	4.00%	0.277%
84	15.121	2211	2216	2219	rBV	827020	1303907	38.52%	2.671%
85	15.227	2231	2234	2238	rBV	111442	109431	3.23%	0.224%
86	15.433	2265	2269	2275	rVB	527745	700630	20.70%	1.435%
87	15.498	2275	2280	2285	rBV	716764	858965	25.38%	1.760%
88	15.562	2286	2291	2294	rVV	597668	838734	24.78%	1.718%
89	15.592	2294	2296	2303	rVB	220771	257311	7.60%	0.527%
90	17.068	2541	2547	2554	rVB2	307831	610667	18.04%	1.251%
91	17.527	2618	2625	2638	rVB	260558	560917	16.57%	1.149%

Sum of corrected areas: 48812072

LSC Report - Integrated Chromatogram

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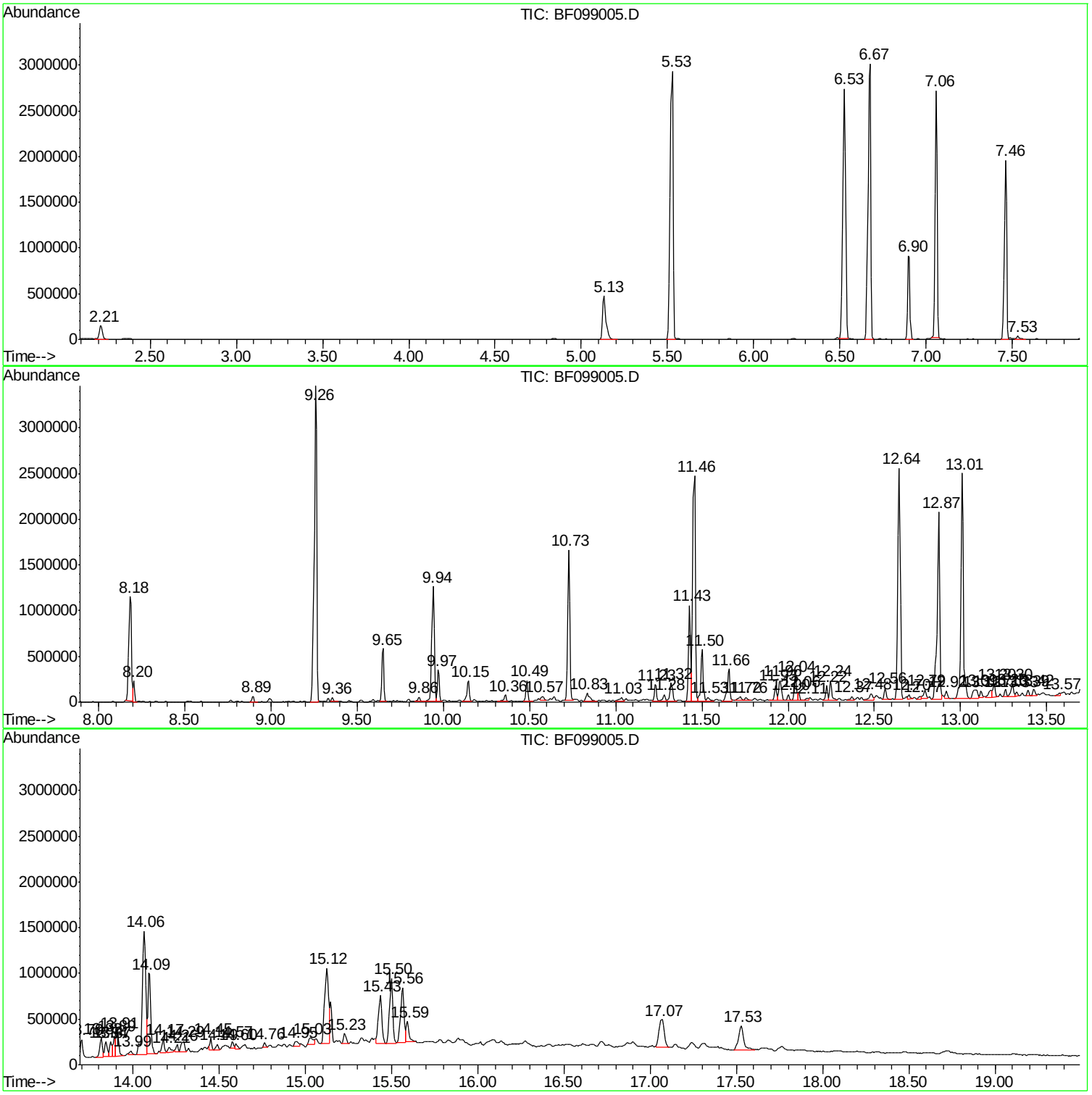
Data File : BF099005.D
Acq On : 2 Oct 2017 17:48
Operator : SJ/JU
Sample : I5534-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SASP2P-ENV-114-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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\BF100217\
Data File : BF099005.D
Acq On : 2 Oct 2017 17:48
Operator : SJ/JU
Sample : I5534-01
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Instrument : BNA_F
ClientSampleId : SASP2P-ENV-114-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

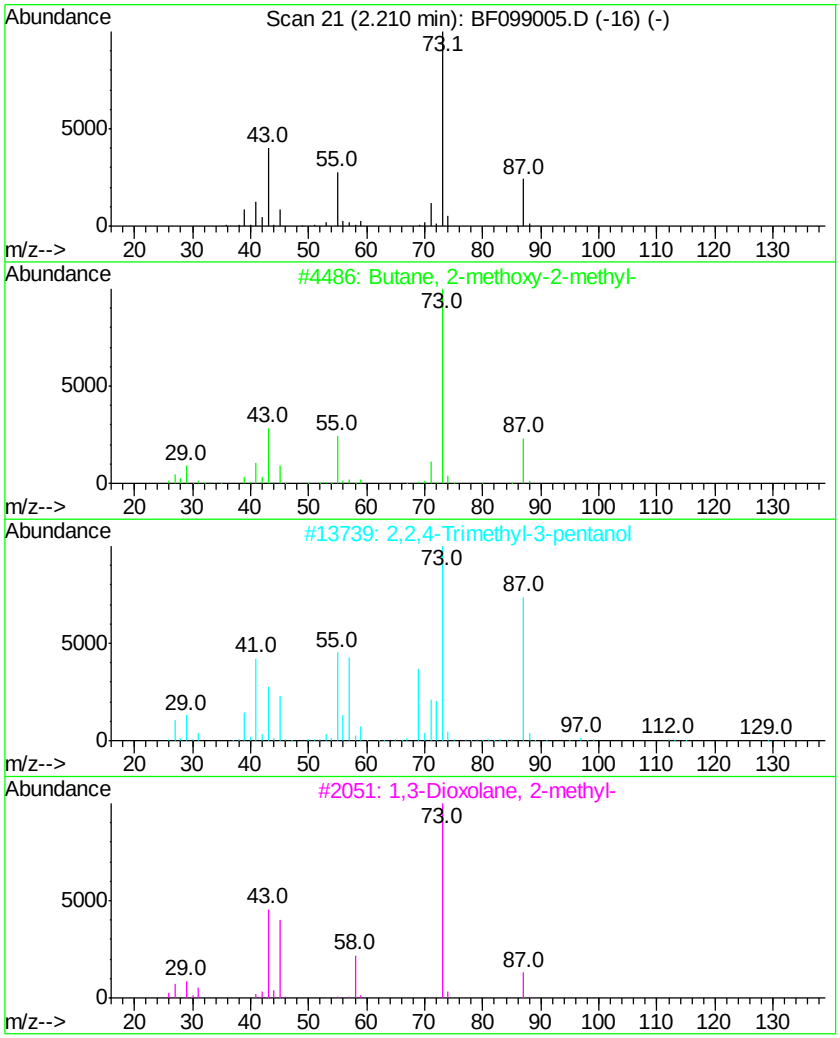
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

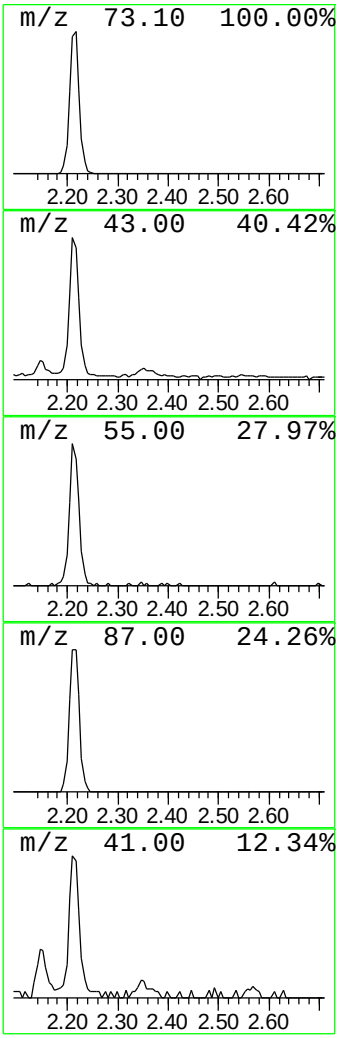
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.21	4.74 ng	197235	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	38
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	28
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099005.D
Acq On : 2 Oct 2017 17:48
Operator : SJ/JU
Sample : I5534-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SASP2P-ENV-114-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

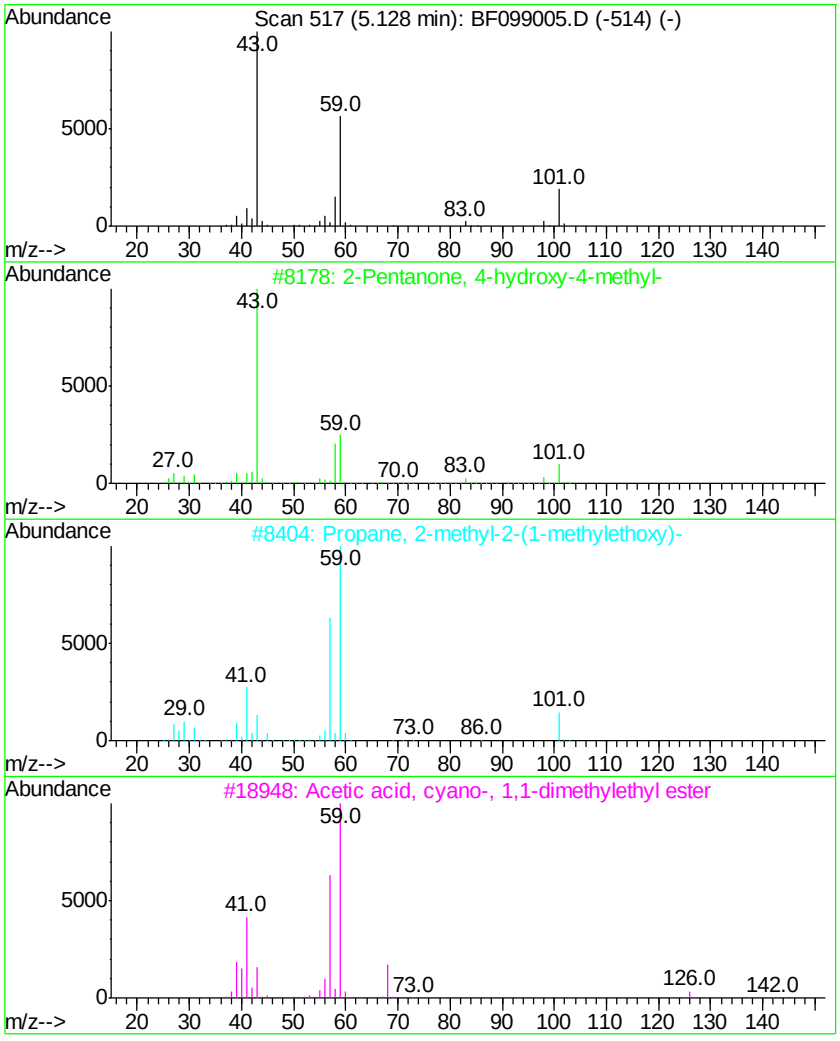
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

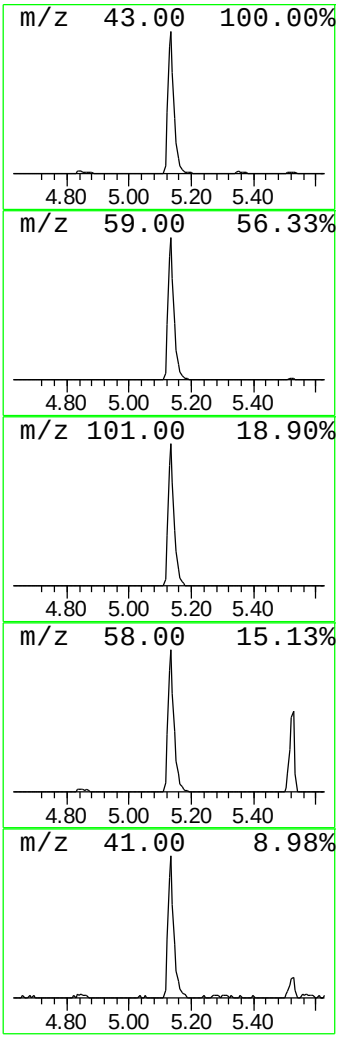
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	15.60 ng	649657	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butanamide, 2-hydroxy-2,N-dimethyl-	117	C5H11NO2	039961-72-3	9





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Instrument :
BNA_F
ClientSampleId :
SASP2P-ENV-114-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

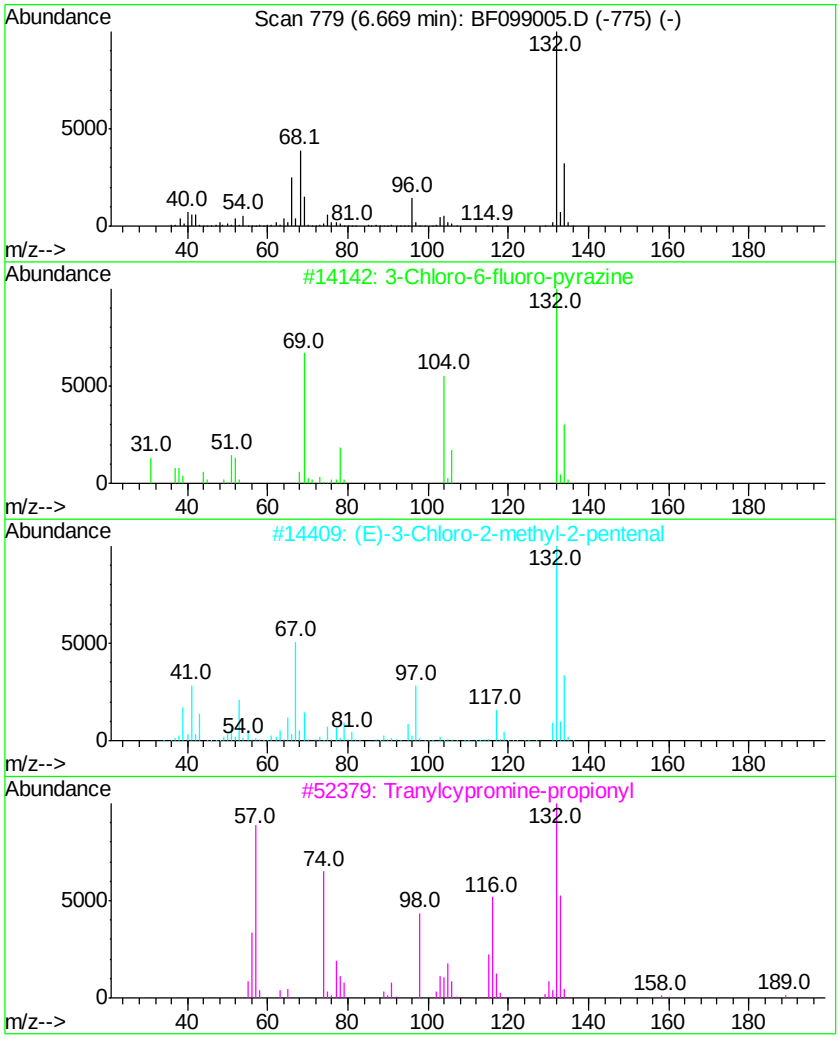
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

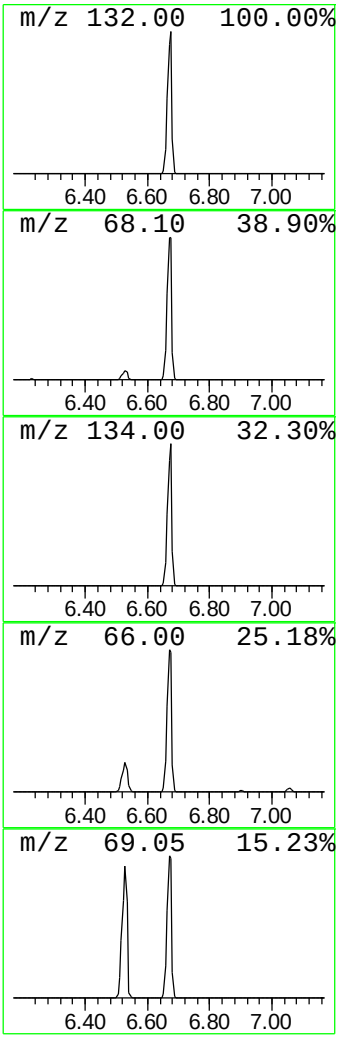
****

Peak Number 3 unknown6.67 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	75.66 ng	3151720	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099005.D
Acq On : 2 Oct 2017 17:48
Operator : SJ/JU
Sample : I5534-01
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Instrument :
BNA_F
ClientSampleId :
SASP2P-ENV-114-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

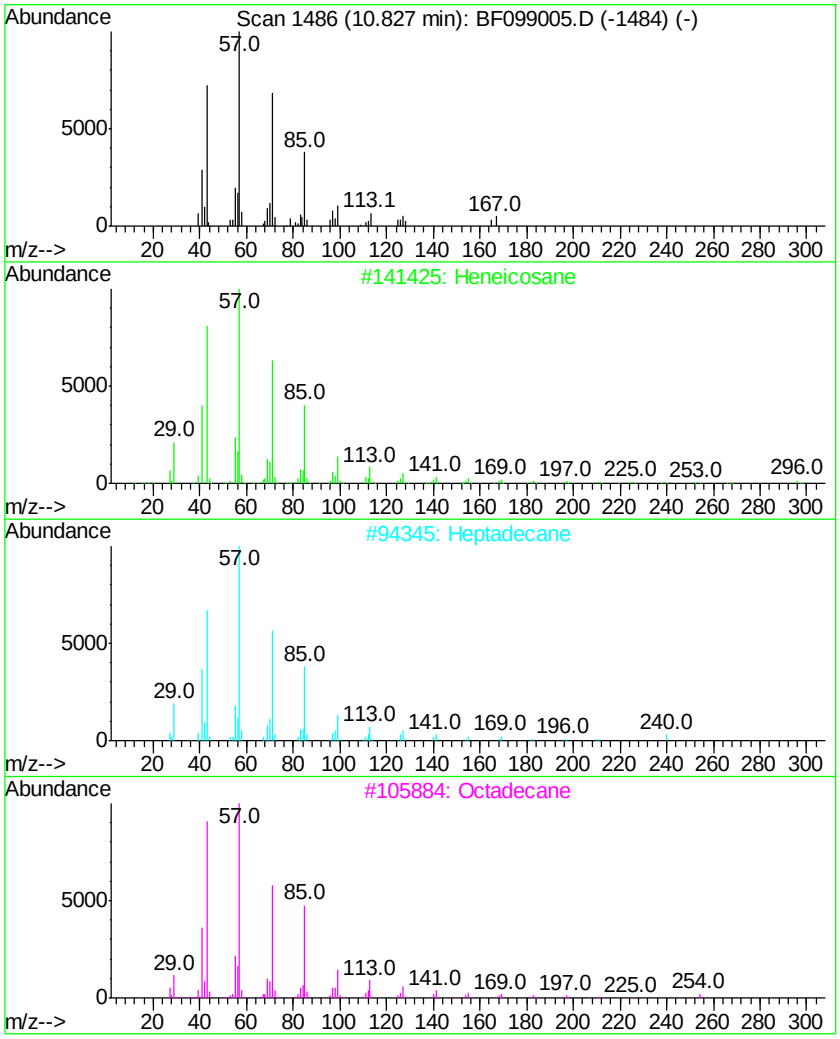
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

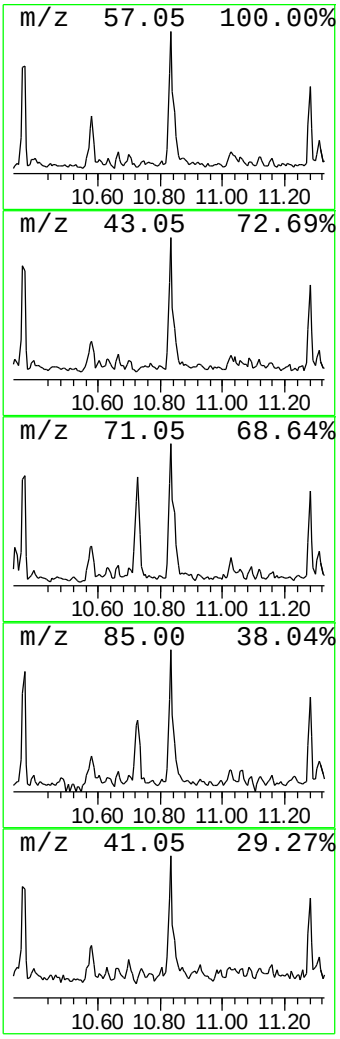
****

Peak Number 5 Heneicosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	2.37 ng	115349	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Heptadecane	240	C17H36	000629-78-7	90
3	Octadecane	254	C18H38	000593-45-3	90
4	Hexadecane	226	C16H34	000544-76-3	87
5	Eicosane	282	C20H42	000112-95-8	87





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Data File : BF099005.D
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Sample : I5534-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SASP2P-ENV-114-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

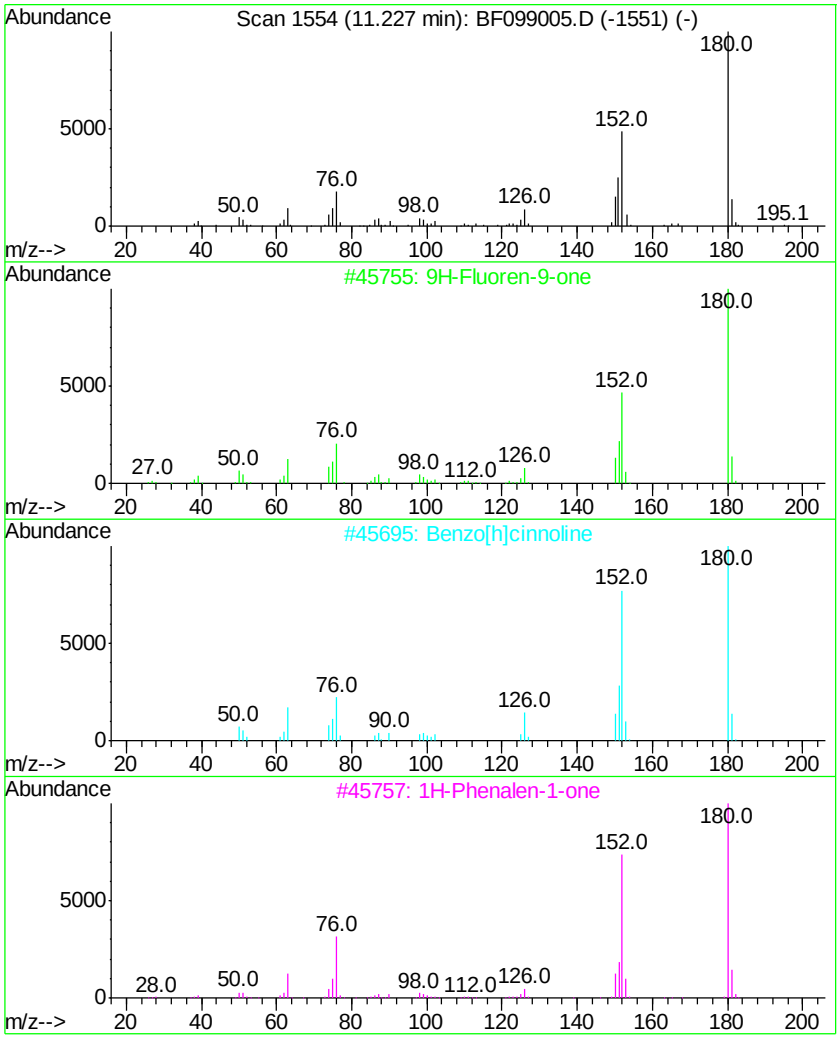
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

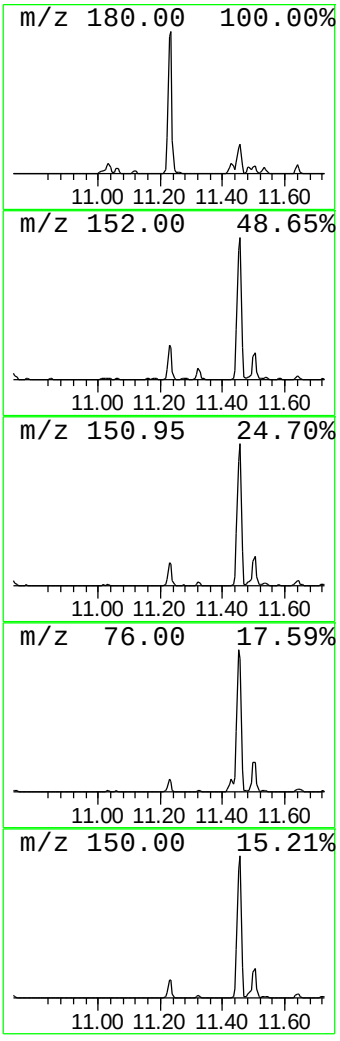
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	3.23 ng	157312	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	53
5	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099005.D
Acq On : 2 Oct 2017 17:48
Operator : SJ/JU
Sample : I5534-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SASP2P-ENV-114-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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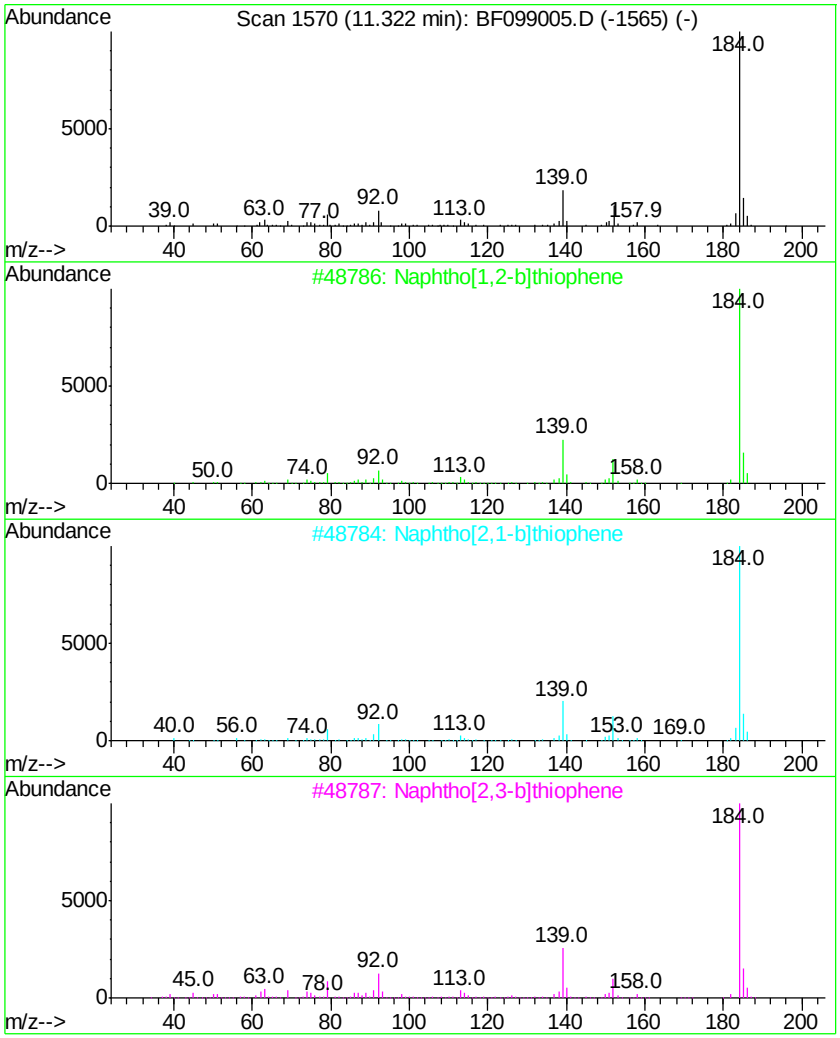
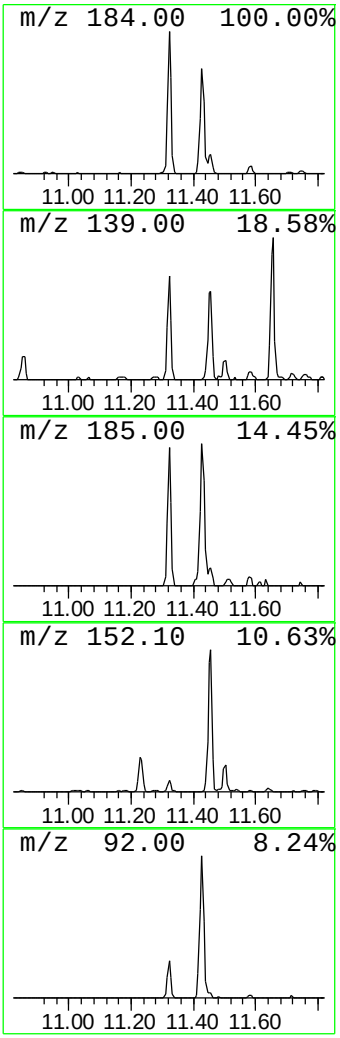
Peak Number 7 Naphtho[1,2-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	3.80 ng	185044	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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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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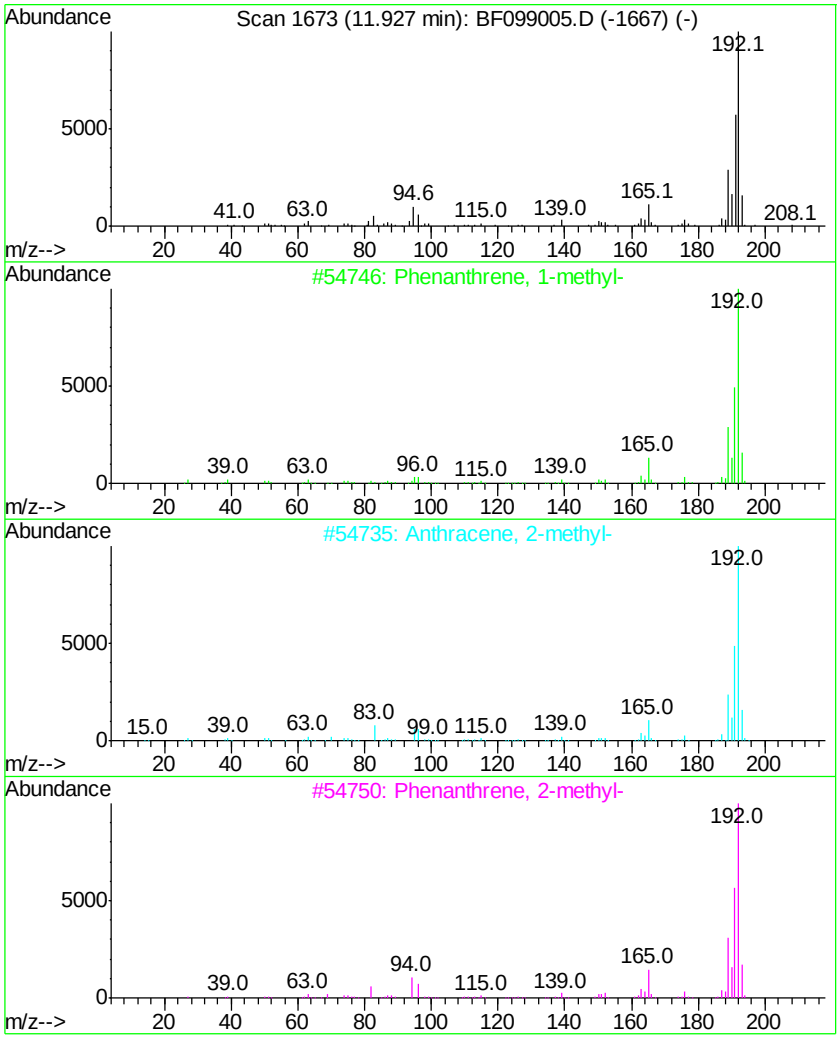
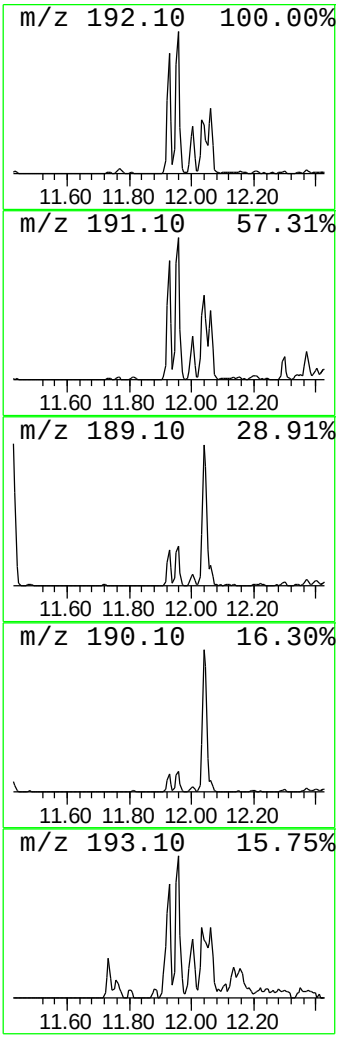
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	3.30 ng	160617	Phenanthrene-d10	11.43

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





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

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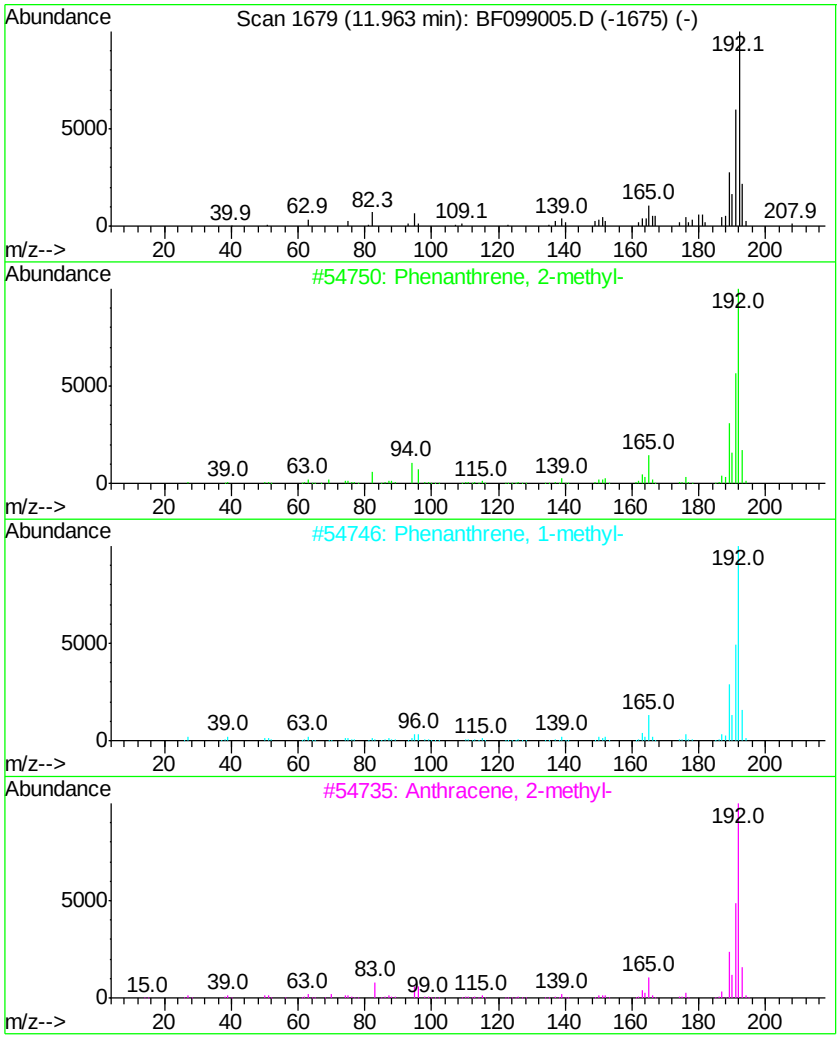
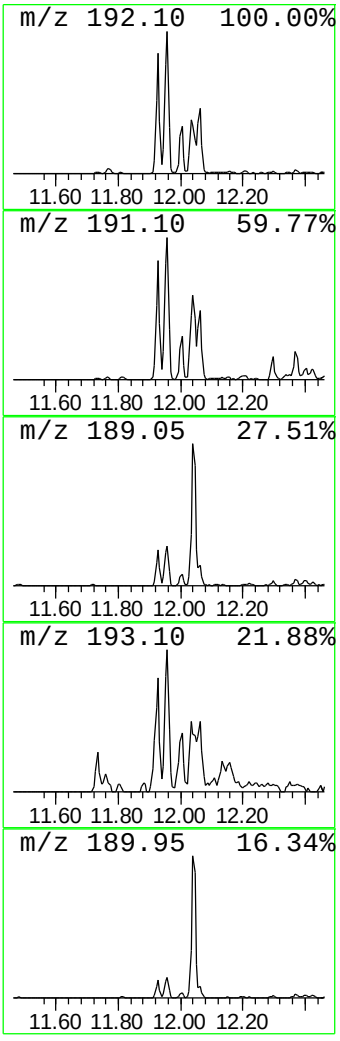
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	4.14 ng	201516	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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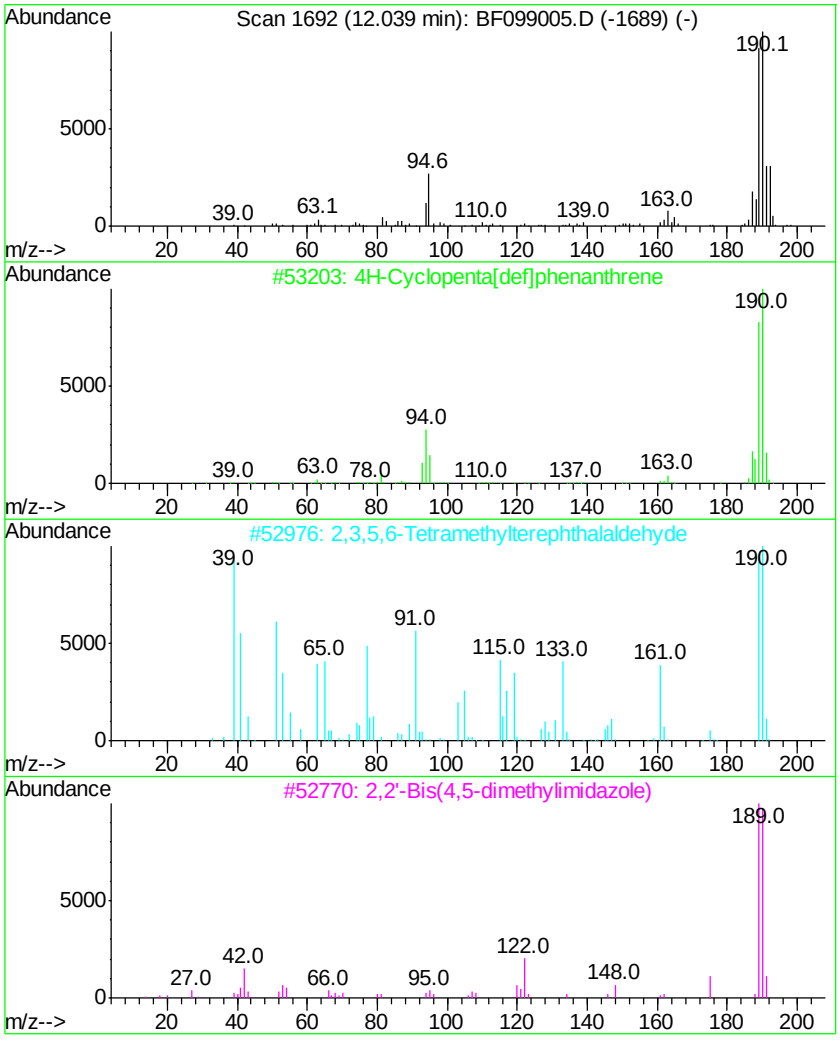
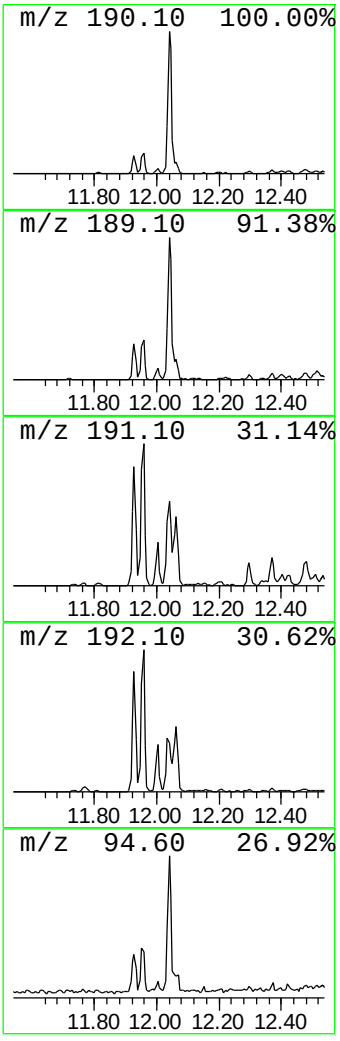
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	5.83 ng	283889	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	Hydrazinecarboxaldehyde, 2-[3-(m...	190	C4H6N4OS2	038362-25-3	14
5	1-Aminocyclopentanecarboxylic ac...	361	C18H32ClNO4	1000329-17-0	12





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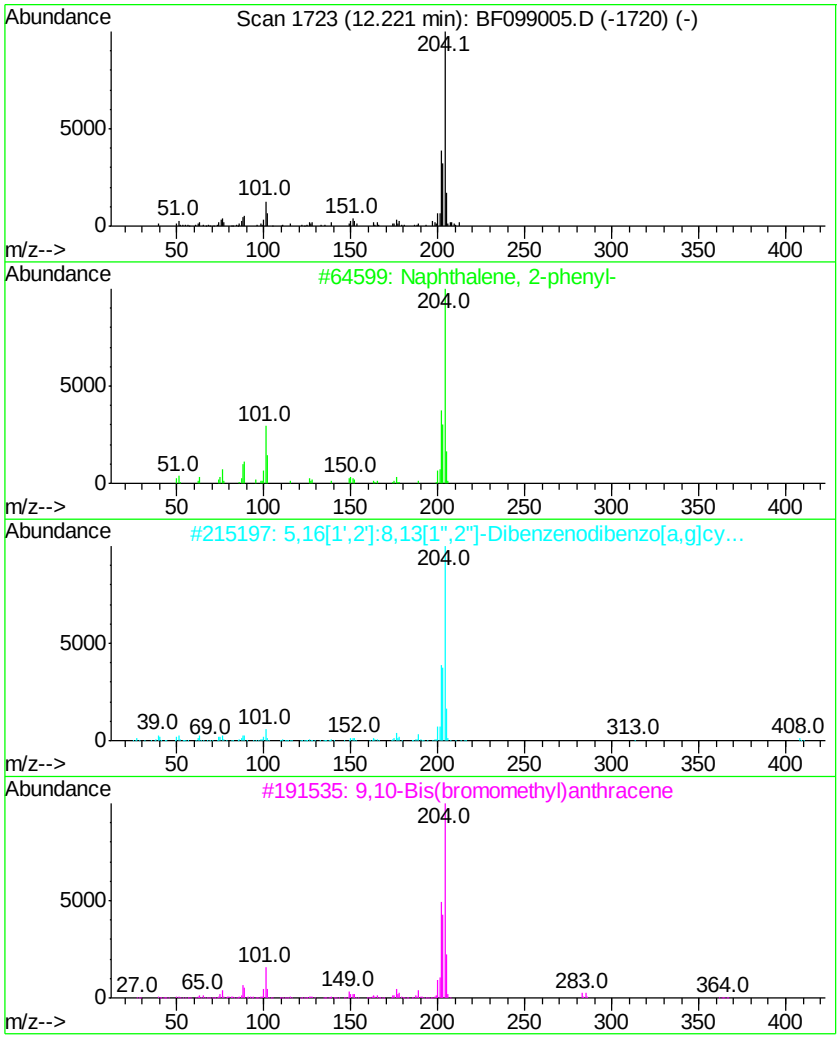
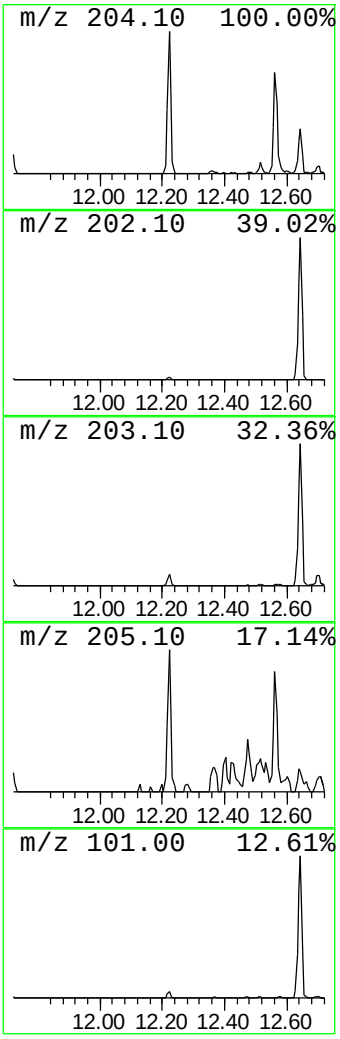
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	2.60 ng	126786	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	76
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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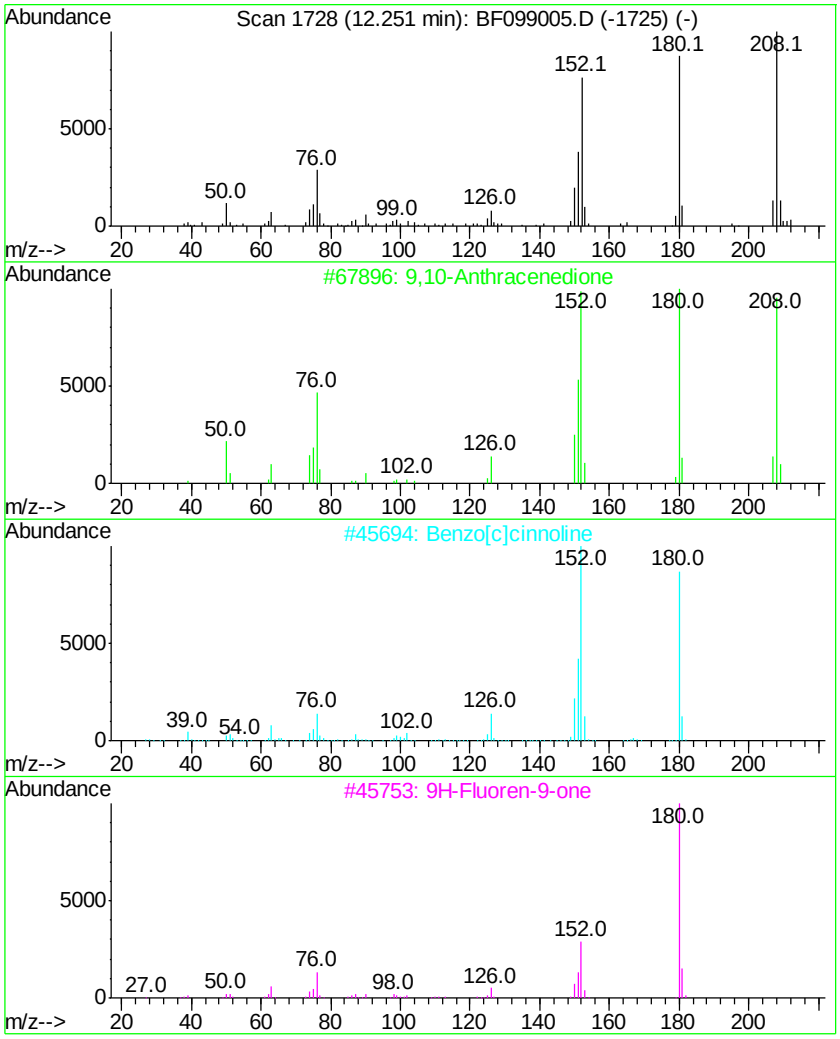
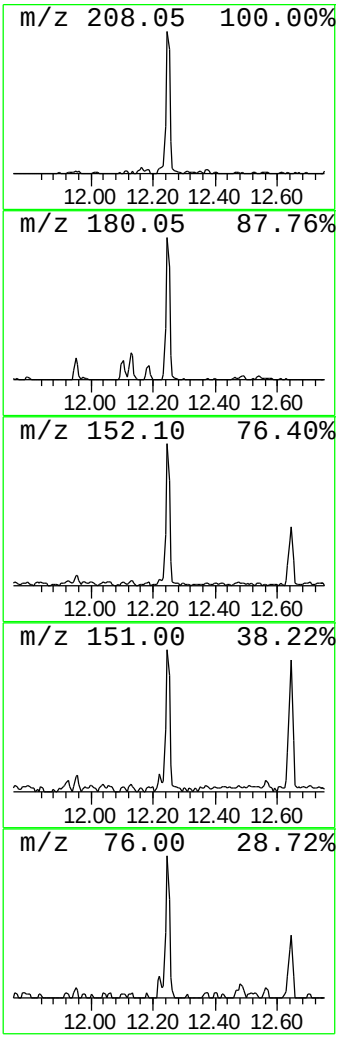
Peak Number 12 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	3.87 ng	188580	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	Acenaphthylene	152	C12H8	000208-96-8	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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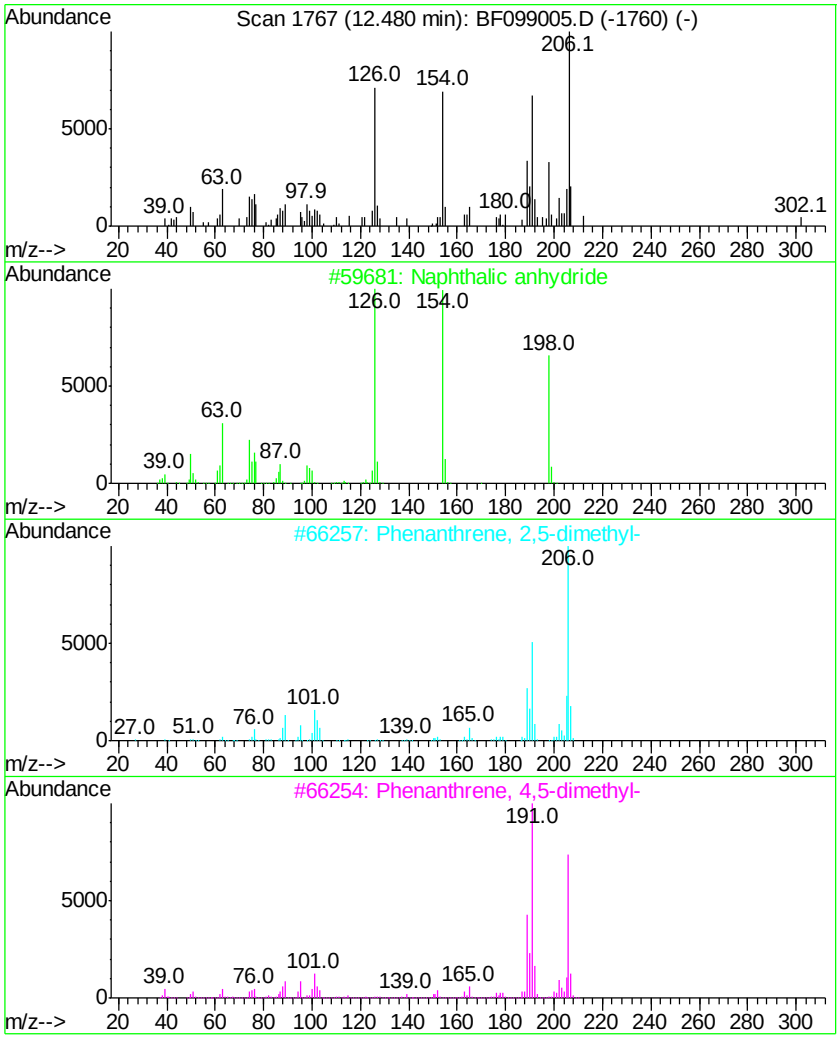
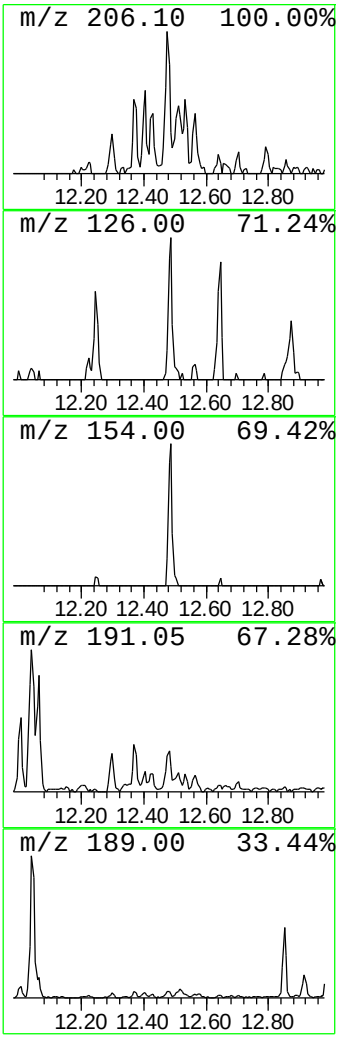
Peak Number 13 Naphthalic anhydride Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	2.23 ng	108664	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	92
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	83
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	70





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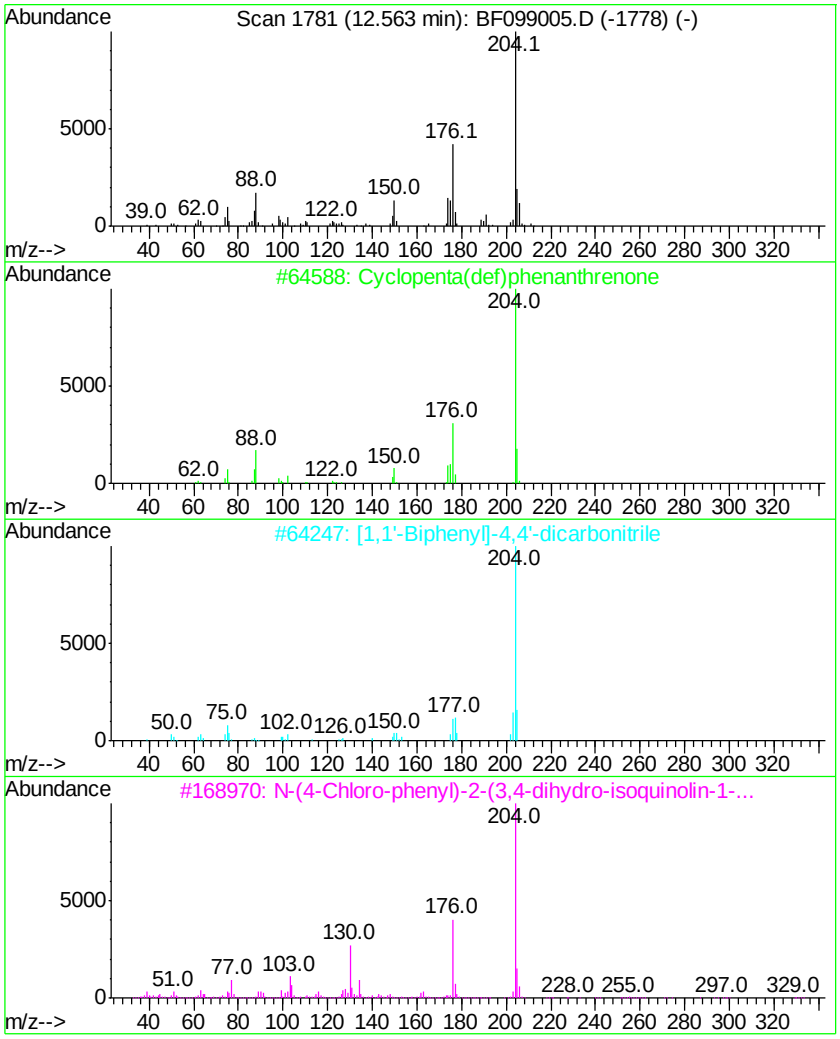
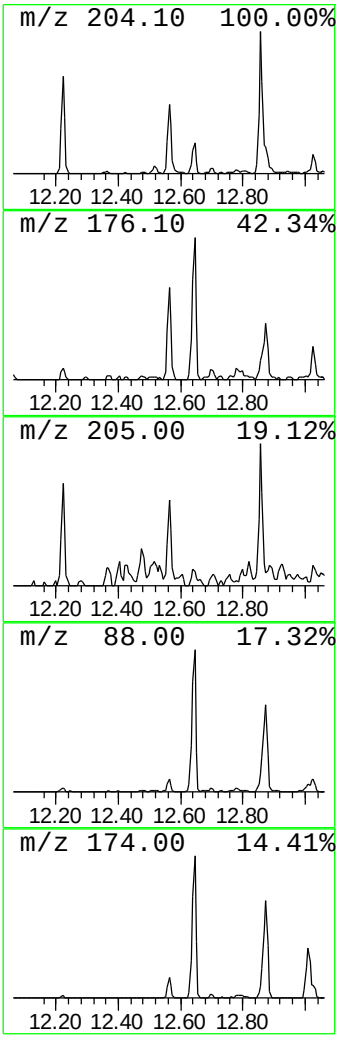
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	2.39 ng	116231	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	45
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43





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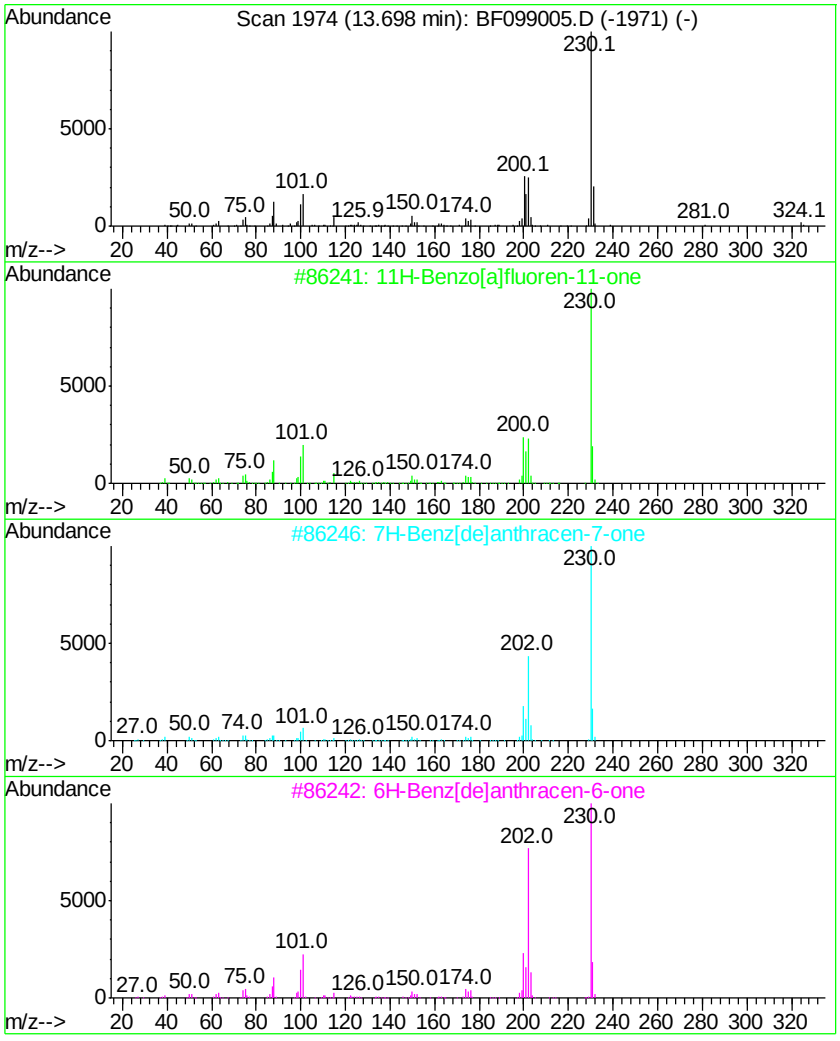
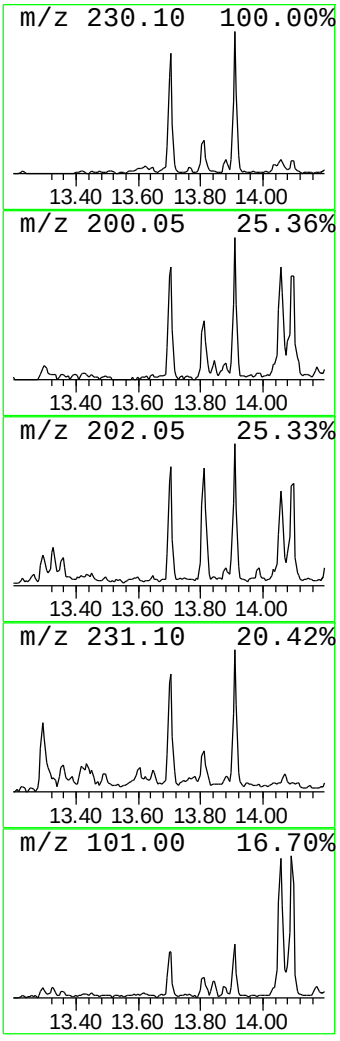
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	2.01 ng	206397	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	74
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
5	o-Terphenyl	230	C18H14	000084-15-1	53





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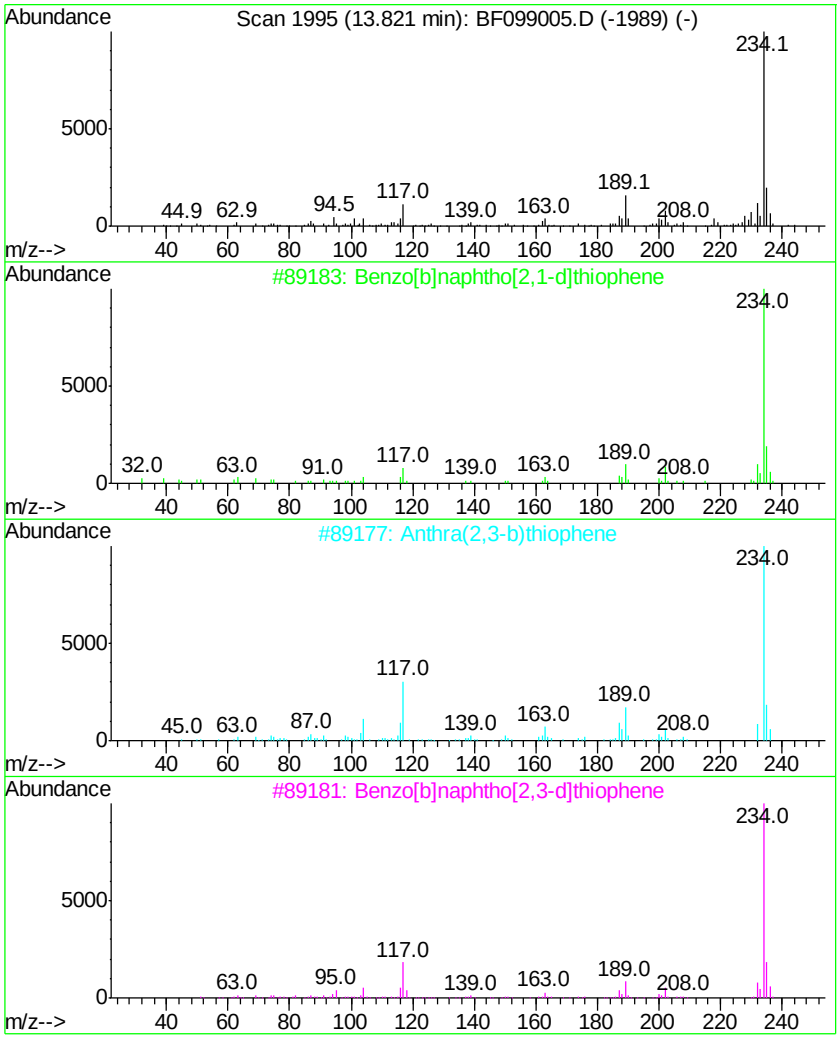
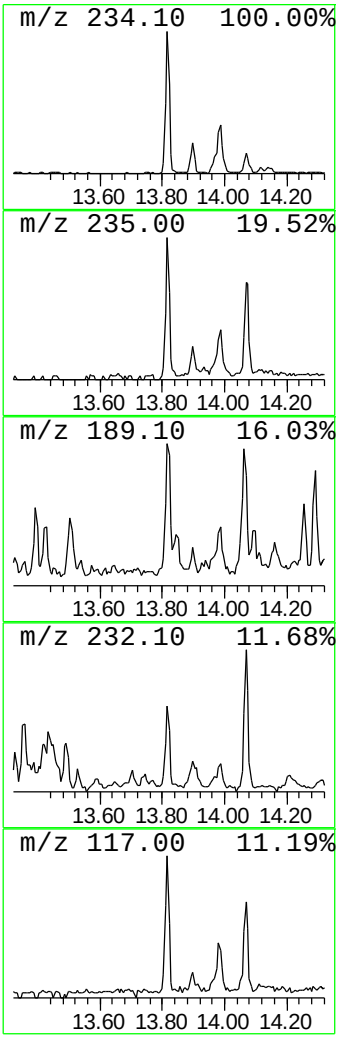
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	2.36 ng	242429	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
5	Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	91





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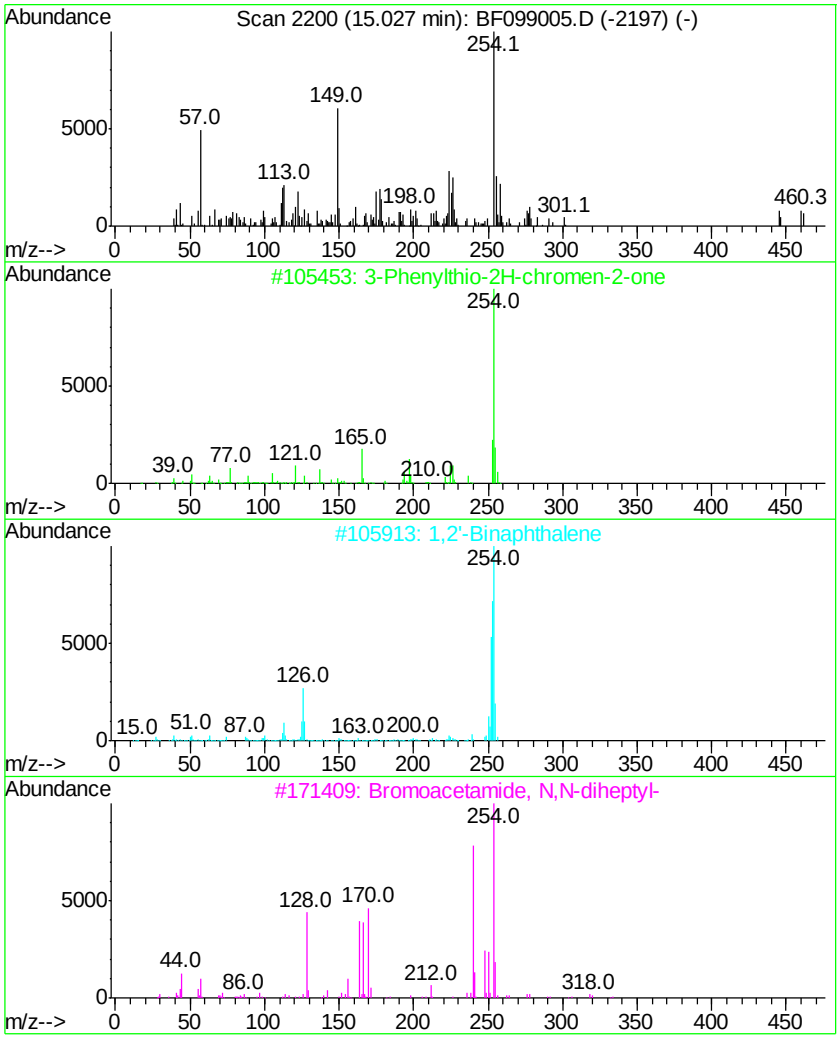
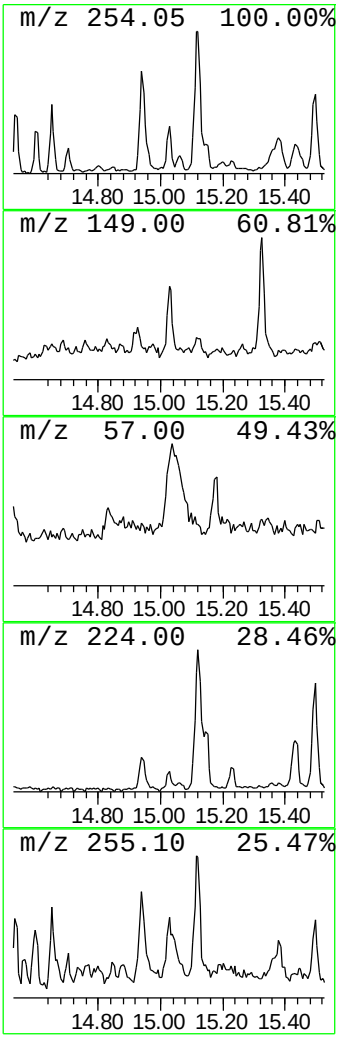
Peak Number 18 unknown hydrocarbon15.03 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	3.23 ng	135374	Perylene-d12	15.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	38
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	38
3	Bromoacetamide, N,N-diheptyl-	333	C16H32BrNO	1000308-17-1	38
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	38
5	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	38





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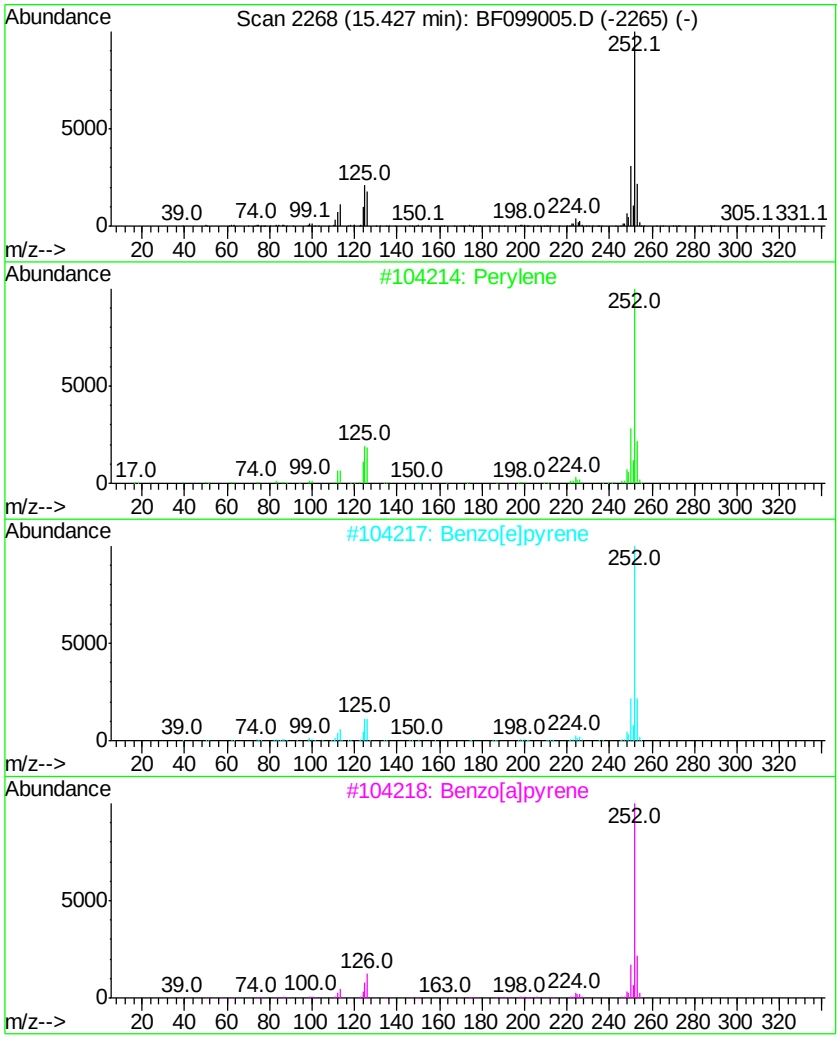
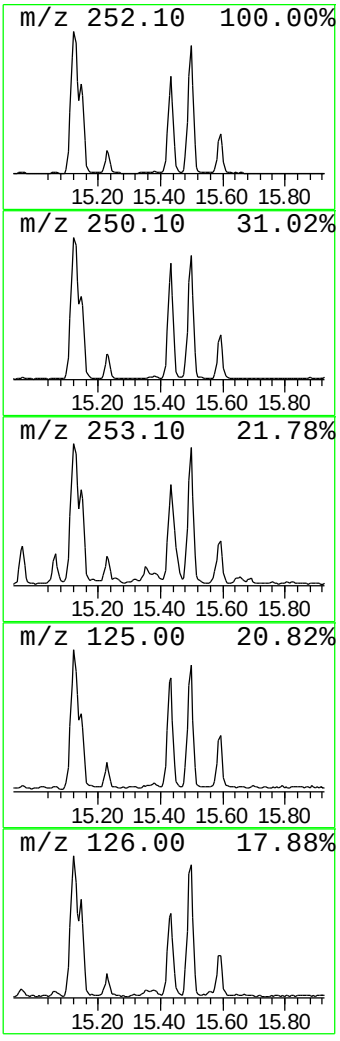
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	16.71 ng	700630	Perylene-d12	15.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100217\
Data File : BF099005.D
Acq On : 2 Oct 2017 17:48
Operator : SJ/JU
Sample : I5534-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SASP2P-ENV-114-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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
Butane, 2-methoxy...	2.21	4.7	ng	197235	1	6.90	833079	20.0
2-Pentanone, 4-hy...	5.13	15.6	ng	649657	1	6.90	833079	20.0
unknown6.67	6.67	75.7	ng	3151720	1	6.90	833079	20.0
Heneicosane	10.83	2.4	ng	115349	4	11.43	973800	20.0
9H-Fluoren-9-one	11.23	3.2	ng	157312	4	11.43	973800	20.0
Naphtho[1,2-b]thi...	11.32	3.8	ng	185044	4	11.43	973800	20.0
Phenanthrene, 1-m...	11.93	3.3	ng	160617	4	11.43	973800	20.0
Phenanthrene, 2-m...	11.96	4.1	ng	201516	4	11.43	973800	20.0
4H-Cyclopenta[def...	12.04	5.8	ng	283889	4	11.43	973800	20.0
Naphthalene, 2-ph...	12.22	2.6	ng	126786	4	11.43	973800	20.0
9,10-Anthracenedione	12.25	3.9	ng	188580	4	11.43	973800	20.0
Naphthalic anhydride	12.48	2.2	ng	108664	4	11.43	973800	20.0
Cyclopenta(def)ph...	12.56	2.4	ng	116231	4	11.43	973800	20.0
11H-Benzo[a]fluor...	13.70	2.0	ng	206397	5	14.07	2056610	20.0
Benzo[b]naphtho[2...	13.82	2.4	ng	242429	5	14.07	2056610	20.0
unknown hydrocarb...	15.03	3.2	ng	135374	6	15.56	838734	20.0
Perylene	15.43	16.7	ng	700630	6	15.56	838734	20.0