LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
Data File : BF099118.D
Acq On : 5 Oct 2017 22:09
Operator : SJ/JU
Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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	2.134	4	8	16	rVB	28500	41082	3.60%	0.187%
2	5.069	505	507	514	rBV	117765	117795	10.31%	0.537%
3	5.469	572	575	586	rVB	746272	650802	56.99%	2.965%
4	6.481	743	747	754	rVB	811739	674926	59.10%	3.075%
5	6.628	768	772	775	rBV	873738	707617	61.96%	3.224%
6	6.863	808	812	815	rBV	911807	747839	65.48%	3.407%
7	7.016	834	838	842	rBV	656396	530867	46.48%	2.419%
8	7.422	903	907	910	rBV	496345	404130	35.39%	1.841%
9	8.145	1022	1030	1032	rBV	1273073	1067628	93.48%	4.864%
10	8.163	1032	1033	1036	rVB	96699	68377	5.99%	0.312%
11	8.857	1148	1151	1154	rBV	113100	87248	7.64%	0.397%
12	8.957	1164	1168	1171	rBV	90249	72474	6.35%	0.330%
13	9.216	1207	1212	1215	rBV	1046012	800494	70.09%	3.647%
14	9.316	1227	1229	1233	rVB	47794	38453	3.37%	0.175%
15	9.486	1253	1258	1262	rVB2	49763	64969	5.69%	0.296%
16	9.557	1266	1270	1272	rBV	73569	68963	6.04%	0.314%
17	9.581	1272	1274	1276	rVV	52399	33875	2.97%	0.154%
18	9.610	1276	1279	1282	rVB	129245	97767	8.56%	0.445%
19	9.675	1286	1290	1292	rBV	40040	36045	3.16%	0.164%
20	9.757	1302	1304	1308	rVB	53923	42805	3.75%	0.195%
21	9.822	1310	1315	1318	rBV	46531	38245	3.35%	0.174%
22	9.898	1320	1328	1331	rBV2	1228527	1120749	98.14%	5.106%
23	9.934	1331	1334	1337	rVB	164186	142867	12.51%	0.651%
24	10.104	1357	1363	1366	rVV	221345	203569	17.82%	0.927%
25	10.304	1392	1397	1398	rBV2	31048	36032	3.16%	0.164%
26	10.322	1398	1400	1403	rVB	75930	53319	4.67%	0.243%
27	10.445	1417	1421	1426	rBV2	133177	132383	11.59%	0.603%
28	10.598	1442	1447	1451	rVB2	77358	80483	7.05%	0.367%
29	10.686	1459	1462	1466	rVV	495369	457697	40.08%	2.085%
30	10.792	1477	1480	1481	rBV	77777	61116	5.35%	0.278%
31	10.804	1481	1482	1489	rVB2	72957	68654	6.01%	0.313%
32	10.992	1508	1514	1517	rBV4	37079	62566	5.48%	0.285%
33	11.122	1531	1536	1537	rBV3	38362	47703	4.18%	0.217%
34	11.139	1537	1539	1541	rVV3	43023	44626	3.91%	0.203%

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Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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	11.192	1544	1548	1551	rVV	237938	216367	18.95%	0.986%
36	11.239	1551	1556	1559	rVV3	93698	114650	10.04%	0.522%
37	11.280	1559	1563	1568	rVB	105941	107769	9.44%	0.491%
38	11.386	1577	1581	1583	rBV	1153720	1003555	87.87%	4.572%
39	11.410	1583	1585	1588	rVV	1433270	1142048	100.00%	5.203%
40	11.463	1588	1594	1597	rVV	360436	347797	30.45%	1.585%
41	11.616	1614	1620	1622	rBV2	113838	132043	11.56%	0.602%
42	11.669	1626	1629	1634	rVV3	57375	74527	6.53%	0.340%
43	11.716	1634	1637	1642	rVV3	62616	61731	5.41%	0.281%
44	11.886	1663	1666	1668	rVV	164725	135780	11.89%	0.619%
45	11.916	1668	1671	1673	rVV	223599	198450	17.38%	0.904%
46	11.939	1673	1675	1677	rVV	58302	62311	5.46%	0.284%
47	11.963	1677	1679	1681	rVV	76260	63297	5.54%	0.288%
48	11.998	1681	1685	1687	rVV2	173829	194655	17.04%	0.887%
49	12.022	1687	1689	1692	rVB	105106	79229	6.94%	0.361%
50	12.075	1692	1698	1700	rBV2	51973	60411	5.29%	0.275%
51	12.180	1713	1716	1718	rVV	150401	118540	10.38%	0.540%
52	12.210	1718	1721	1724	rVV	115785	108400	9.49%	0.494%
53	12.327	1736	1741	1744	rBV3	45686	55308	4.84%	0.252%
54	12.357	1744	1746	1749	rVV	36897	35844	3.14%	0.163%
55	12.433	1755	1759	1762	rVV2	85481	115281	10.09%	0.525%
56	12.463	1762	1764	1767	rVV3	62448	76010	6.66%	0.346%
57	12.522	1771	1774	1780	rVB	104785	103367	9.05%	0.471%
58	12.598	1783	1787	1791	rVV	1123108	926546	81.13%	4.221%
59	12.663	1796	1798	1801	rVV2	38633	34847	3.05%	0.159%
60	12.727	1805	1809	1811	rVV3	32320	51250	4.49%	0.233%
61	12.751	1811	1813	1815	rVV	48615	45735	4.00%	0.208%
62	12.827	1820	1826	1829	rVV2	806260	959158	83.99%	4.370%
63	12.874	1832	1834	1839	rVB2	70808	81212	7.11%	0.370%
64	12.963	1846	1849	1856	rVB	667647	638923	55.95%	2.911%
65	13.039	1858	1862	1866	rBV4	63036	99755	8.73%	0.454%
66	13.127	1874	1877	1879	rBV3	56384	72771	6.37%	0.332%
67	13.151	1879	1881	1884	rVB	90505	85404	7.48%	0.389%
68	13.186	1884	1887	1891	rBV4	33995	42134	3.69%	0.192%
69	13.257	1895	1899	1902	rVV2	82936	92594	8.11%	0.422%
70	13.351	1912	1915	1917	rBV2	44821	39310	3.44%	0.179%
71	13.380	1917	1920	1923	rBV2	39175	34052	2.98%	0.155%

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Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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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Peak separation: 5

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

72	13.439	1928	1930	1933	rBV3	41516	40517	3.55%	0.185%
73	13.533	1942	1946	1949	rBV4	30765	48307	4.23%	0.220%
74	13.663	1965	1968	1972	rVB	95044	100861	8.83%	0.460%
75	13.769	1982	1986	1989	rBV2	71758	94456	8.27%	0.430%
76	13.798	1989	1991	1994	rVV	56041	60293	5.28%	0.275%
77	13.827	1994	1996	2000	rVV2	63973	94827	8.30%	0.432%
78	13.869	2000	2003	2008	rVB	103135	104140	9.12%	0.474%
79	14.021	2021	2029	2032	rBV2	823315	1127100	98.69%	5.135%
80	14.051	2032	2034	2042	rVB	334753	304031	26.62%	1.385%
81	14.410	2090	2095	2098	rVB	70159	77451	6.78%	0.353%
82	14.445	2098	2101	2104	rBV2	45150	45661	4.00%	0.208%
83	14.504	2104	2111	2113	rBV5	33632	76559	6.70%	0.349%
84	14.533	2113	2116	2118	rBV2	56112	47526	4.16%	0.217%
85	14.904	2175	2179	2187	rVB2	47667	87308	7.64%	0.398%
86	14.974	2187	2191	2195	rBV2	44361	62952	5.51%	0.287%
87	15.063	2202	2206	2210	rBV	385482	591976	51.83%	2.697%
88	15.174	2222	2225	2228	rBV	72575	63408	5.55%	0.289%
89	15.263	2237	2240	2247	rBV4	24645	58874	5.16%	0.268%
90	15.368	2254	2258	2264	rVB	235753	315801	27.65%	1.439%
91	15.433	2265	2269	2274	rVB	229536	281725	24.67%	1.284%
92	15.498	2275	2280	2284	rVV	567022	728452	63.78%	3.319%
93	15.527	2284	2285	2292	rVB3	82184	96698	8.47%	0.441%
94	16.192	2394	2398	2406	rVB10	16724	42016	3.68%	0.191%
95	16.633	2469	2473	2485	rVB10	36877	89645	7.85%	0.408%
96	16.821	2501	2505	2510	rVB3	22401	37836	3.31%	0.172%
97	16.974	2524	2531	2542	rBV2	126644	282190	24.71%	1.286%
98	17.145	2554	2560	2564	rBV5	24215	52225	4.57%	0.238%
99	17.209	2566	2571	2575	rVV2	24680	45118	3.95%	0.206%
100	17.421	2600	2607	2617	rVB	84254	176119	15.42%	0.802%

Sum of corrected areas: 21949298

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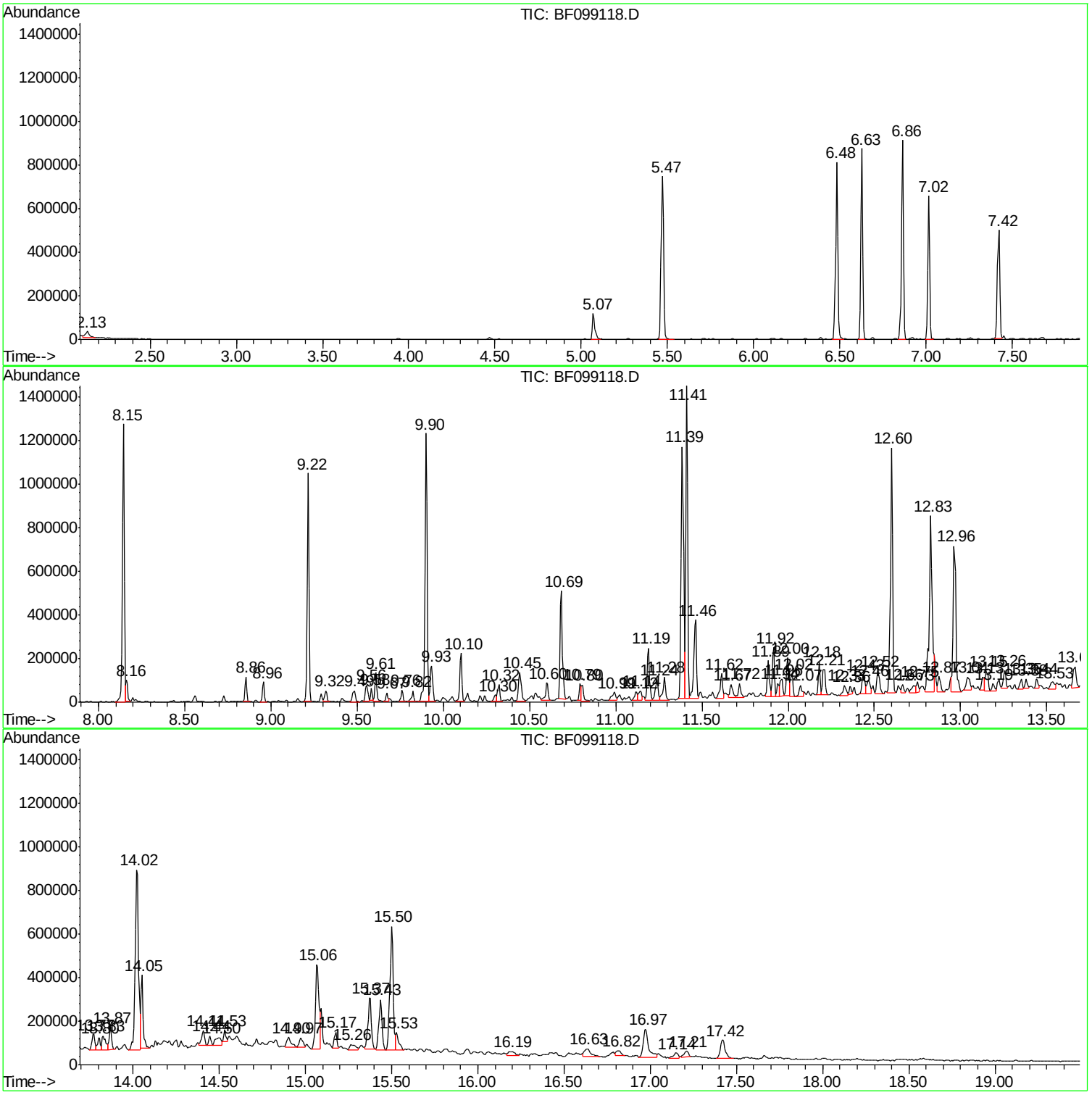
Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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

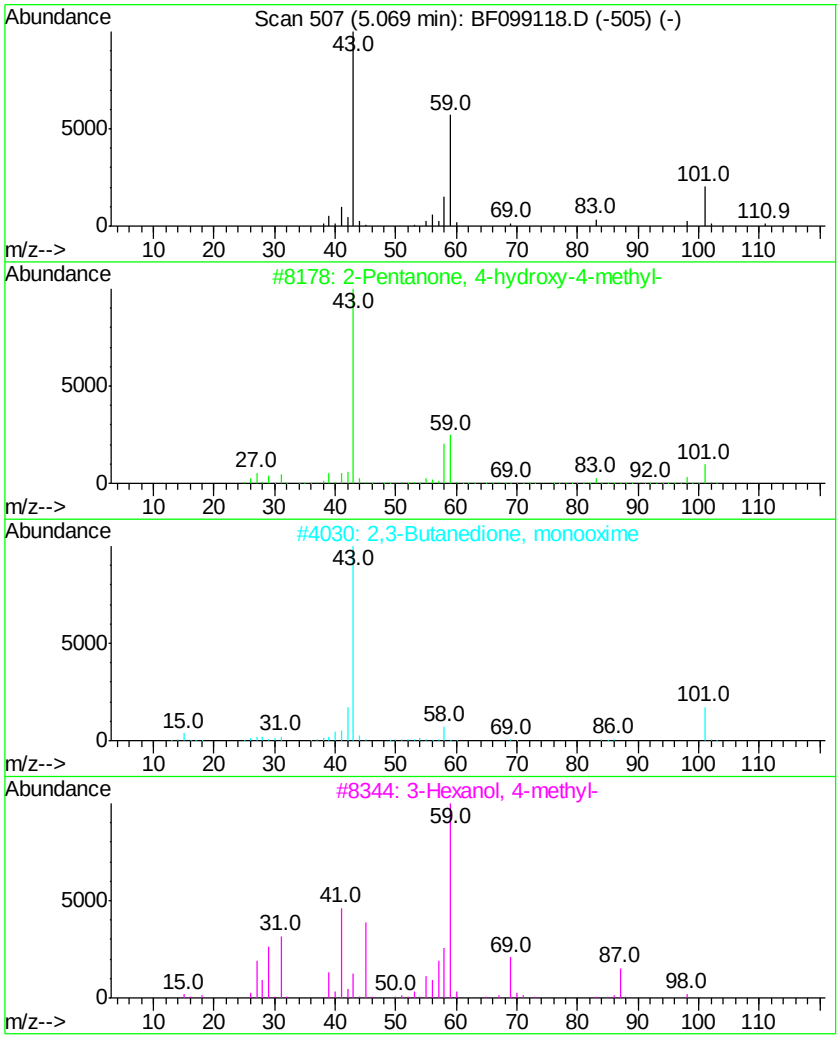
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

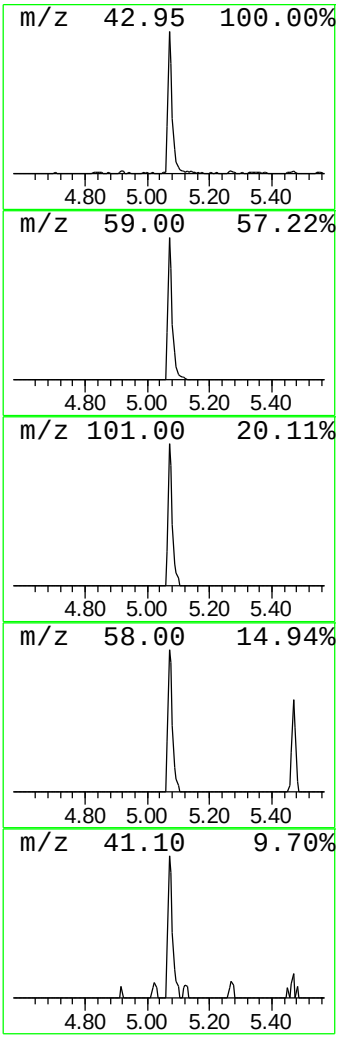
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	3.15 ng	117795	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	25
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	12





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Instrument : BNA_F
ClientSampleId : G67-0-1

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
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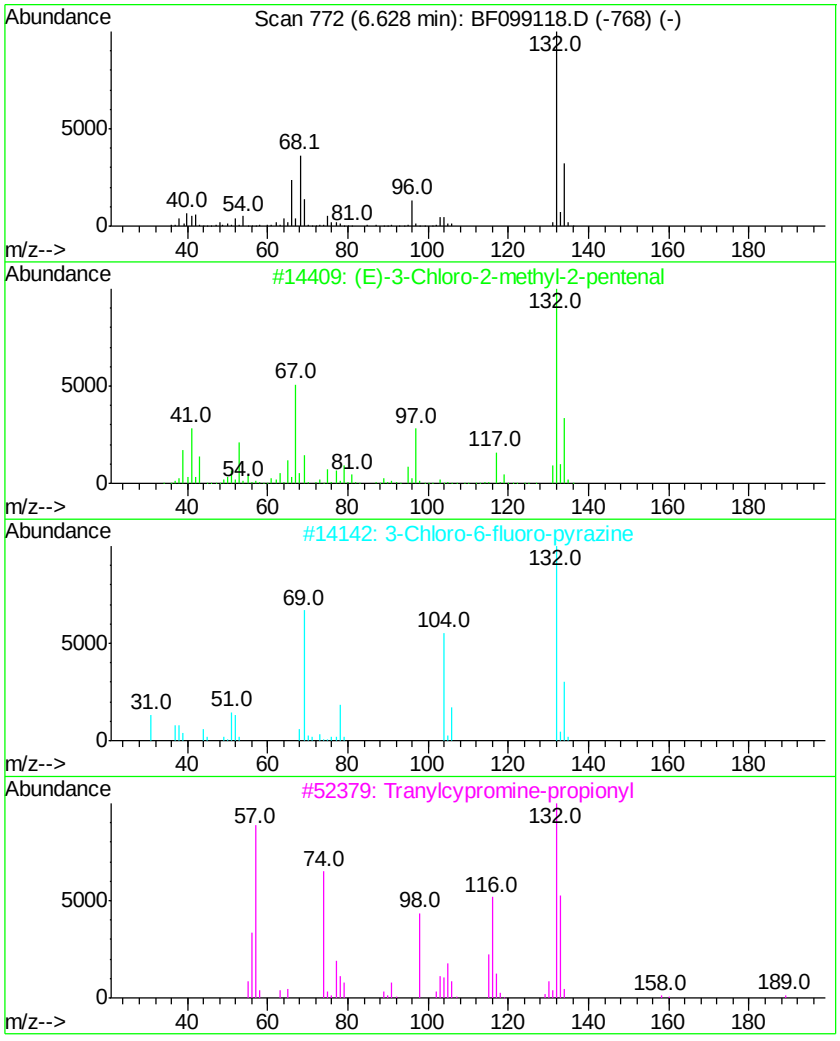
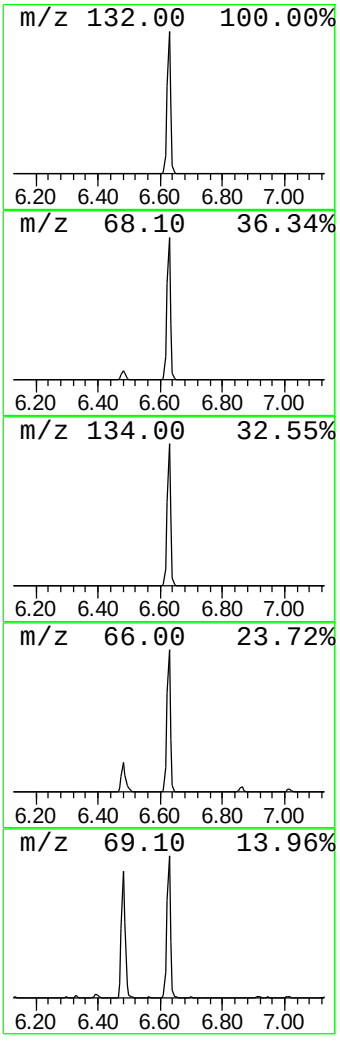
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	18.92 ng	707617	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	5-Aminoindole	132	C8H8N2	005192-03-0	12





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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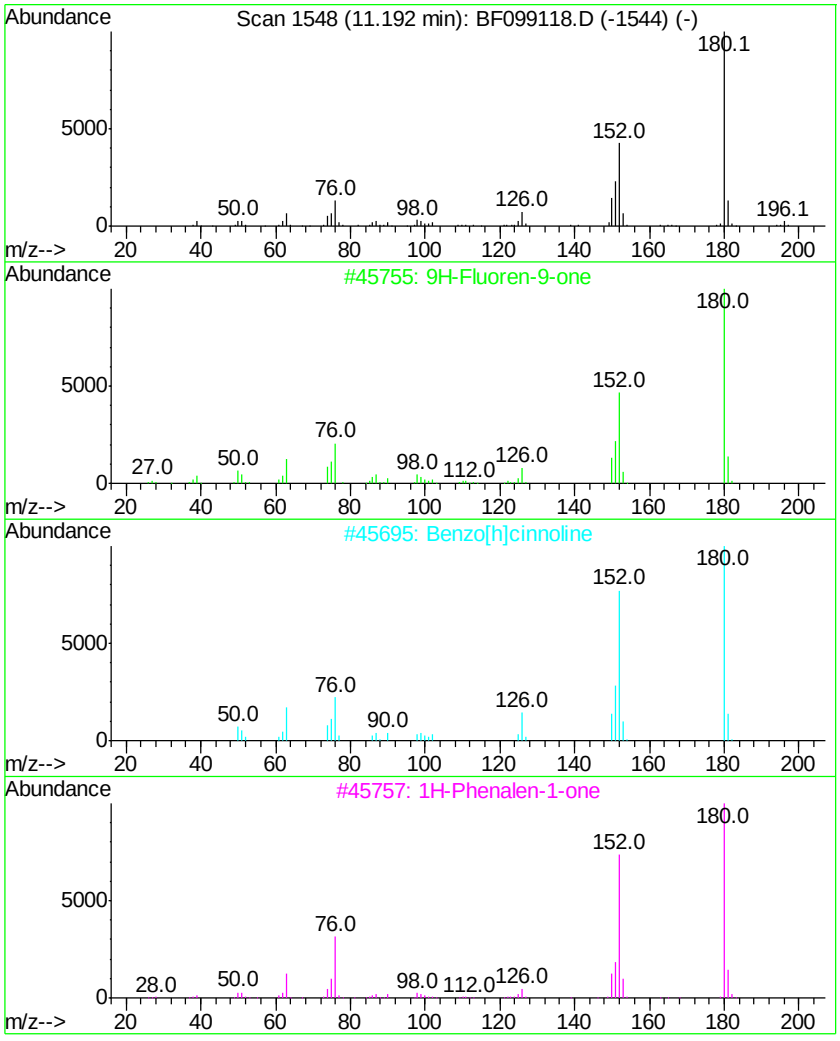
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

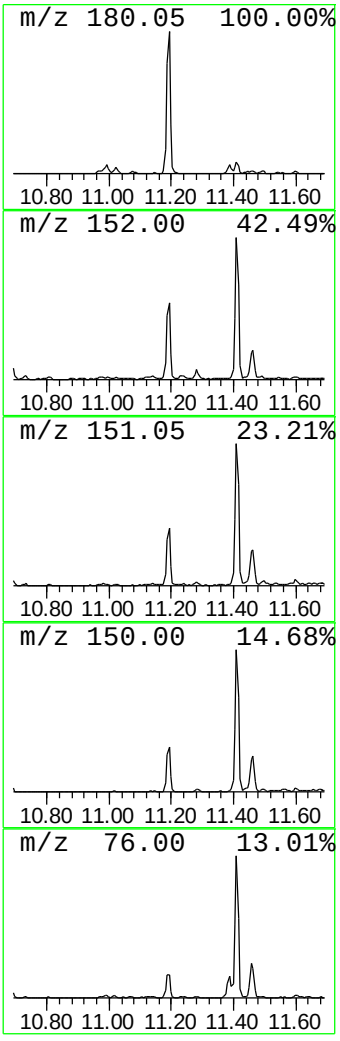
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	4.31 ng	216367	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
4	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	50
5	Phenazine	180	C12H8N2	000092-82-0	47





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Instrument : BNA_F
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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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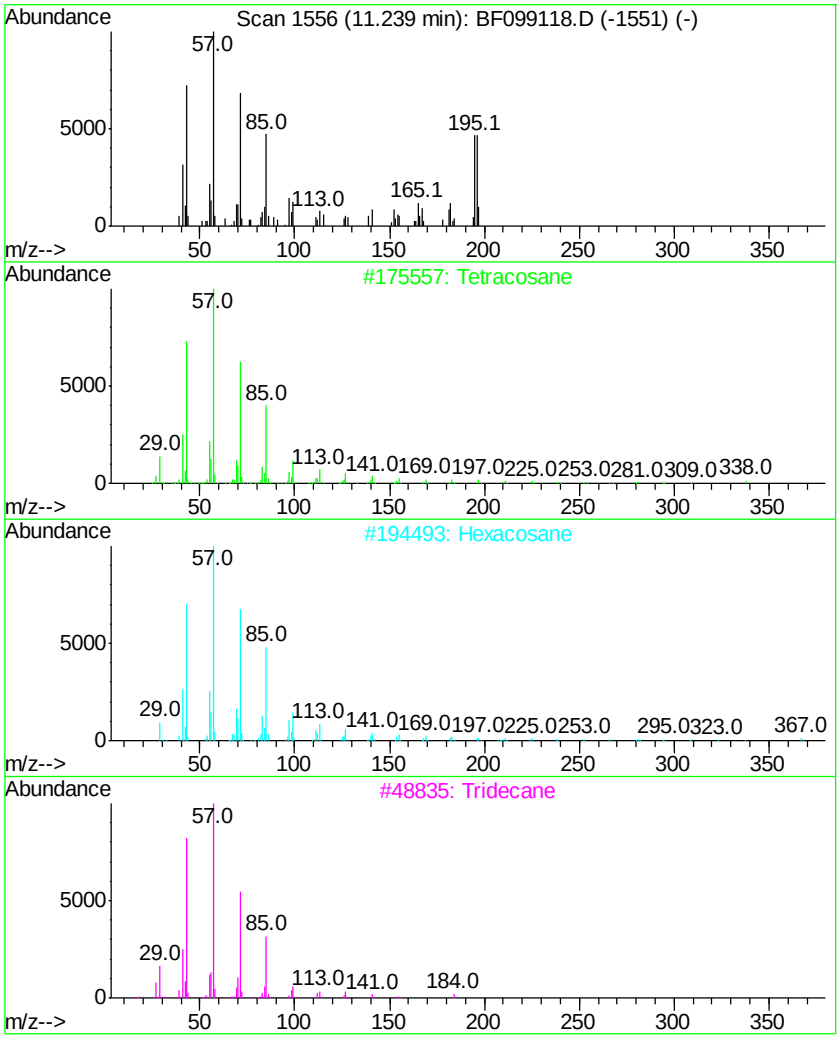
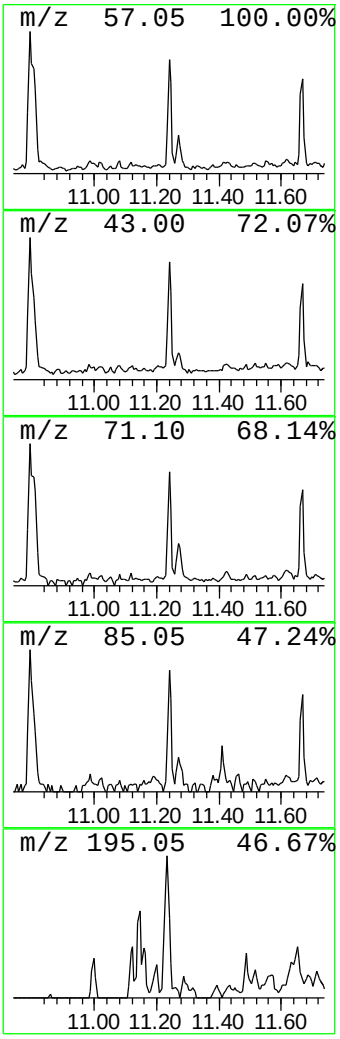
Peak Number 6 unknown11.24 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	2.28 ng	114650	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	38
2	Hexacosane	366	C26H54	000630-01-3	38
3	Tridecane	184	C13H28	000629-50-5	35
4	Octadecane	254	C18H38	000593-45-3	30
5	Heptacosane	380	C27H56	000593-49-7	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100517\
Data File : BF099118.D
Acq On : 5 Oct 2017 22:09
Operator : SJ/JU
Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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

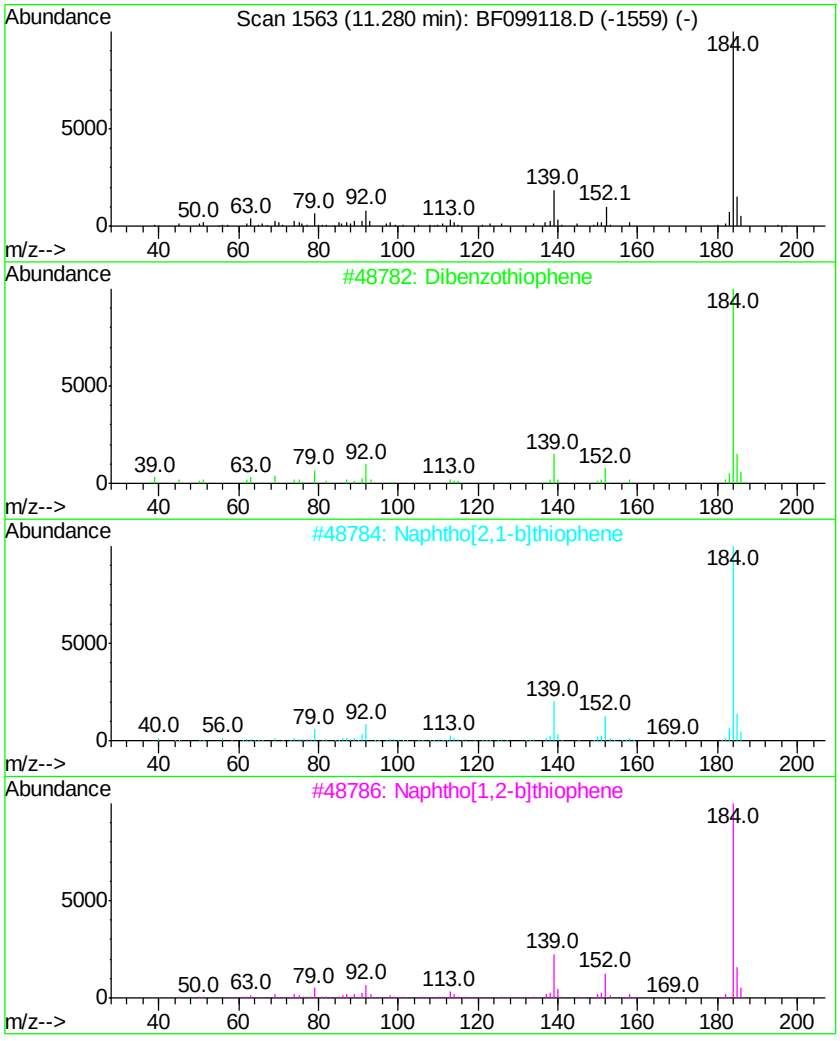
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

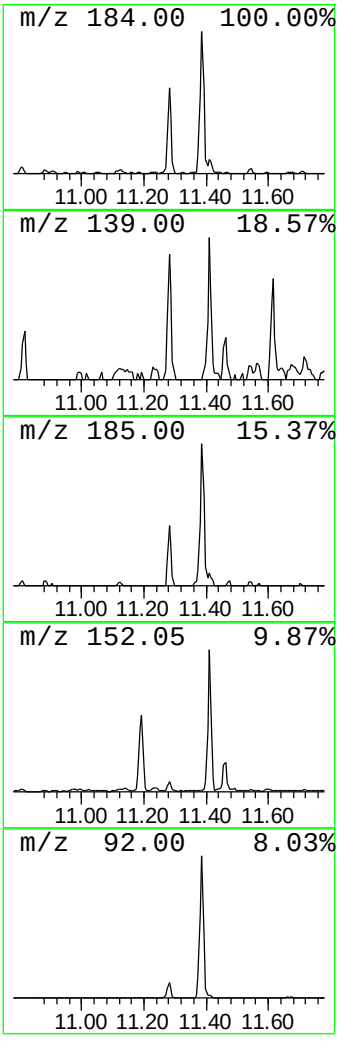
****

Peak Number 7 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	2.15 ng	107769	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91





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Data File : BF099118.D
Acq On : 5 Oct 2017 22:09
Operator : SJ/JU
Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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

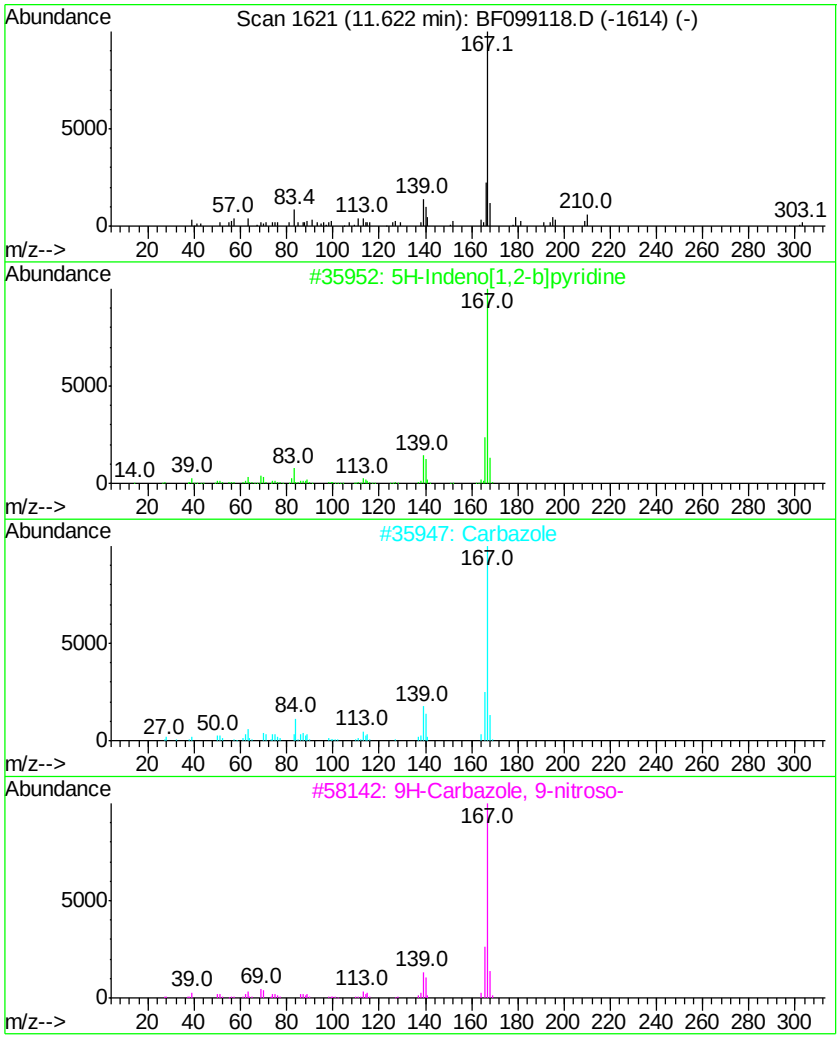
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

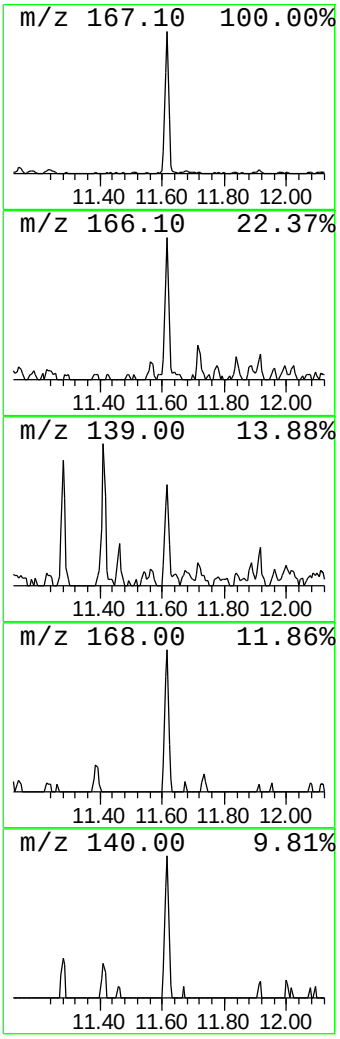
****

Peak Number 8 5H-Indeno[1,2-b]pyridine Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	2.63 ng	132043	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	94
2	Carbazole	167	C12H9N	000086-74-8	87
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	83
4	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	83
5	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	80





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Acq On : 5 Oct 2017 22:09
Operator : SJ/JU
Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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

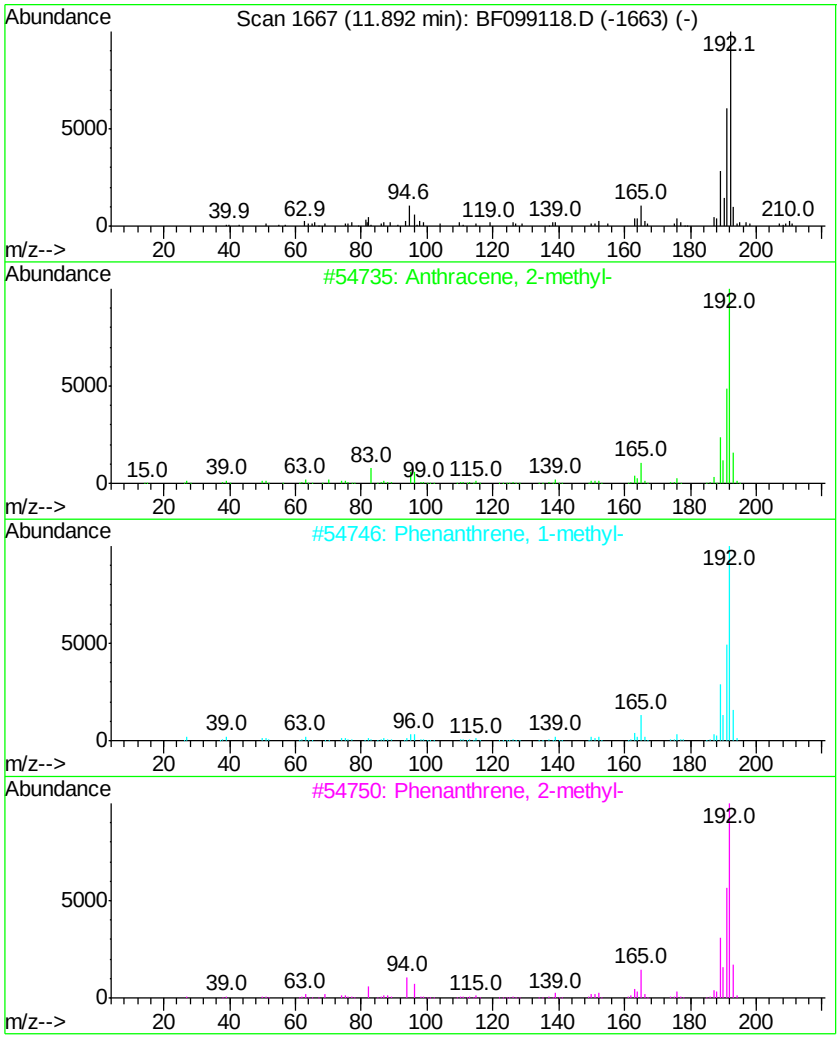
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

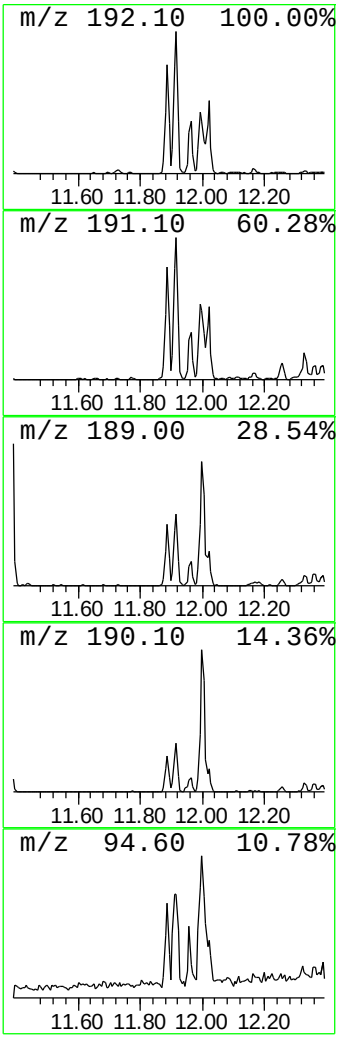
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.71 ng	135780	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





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Acq On : 5 Oct 2017 22:09
Operator : SJ/JU
Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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

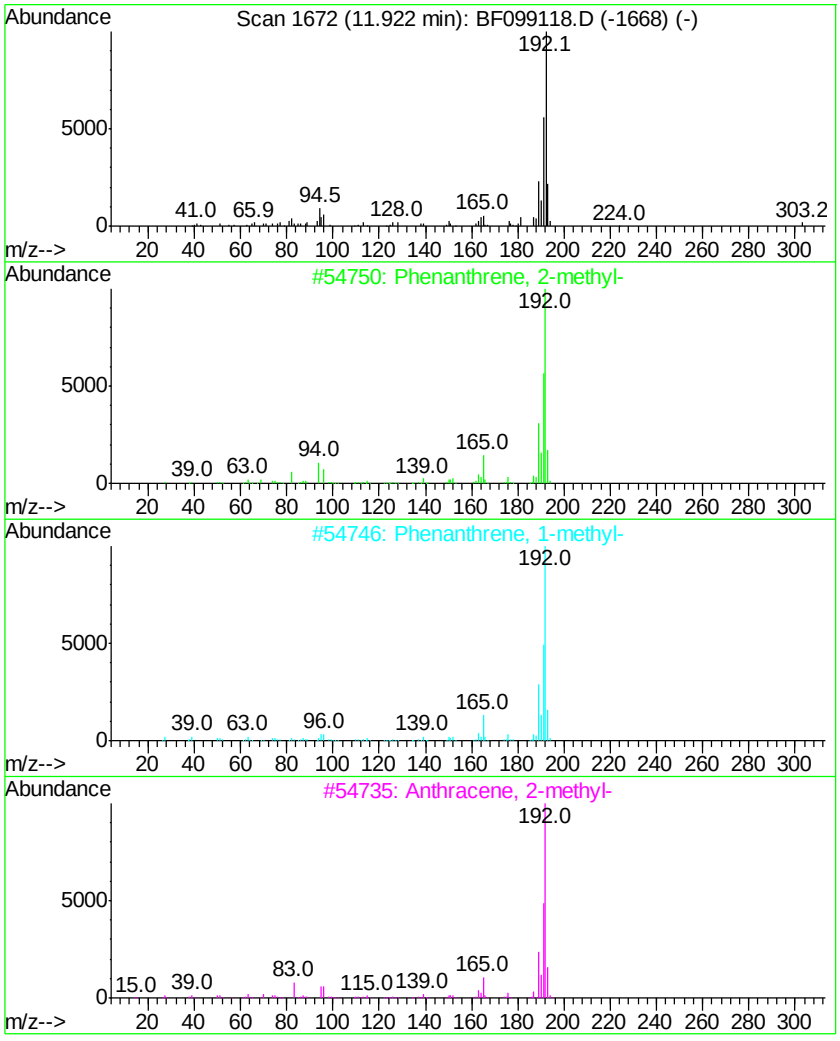
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

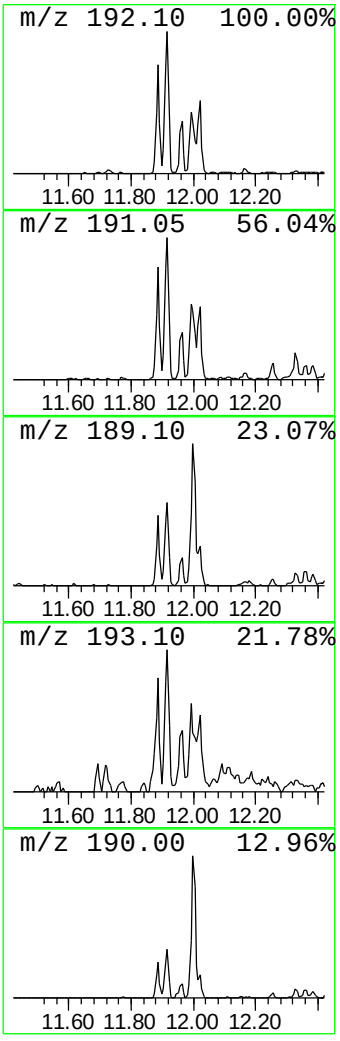
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	3.95 ng	198450	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Acq On : 5 Oct 2017 22:09
Operator : SJ/JU
Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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

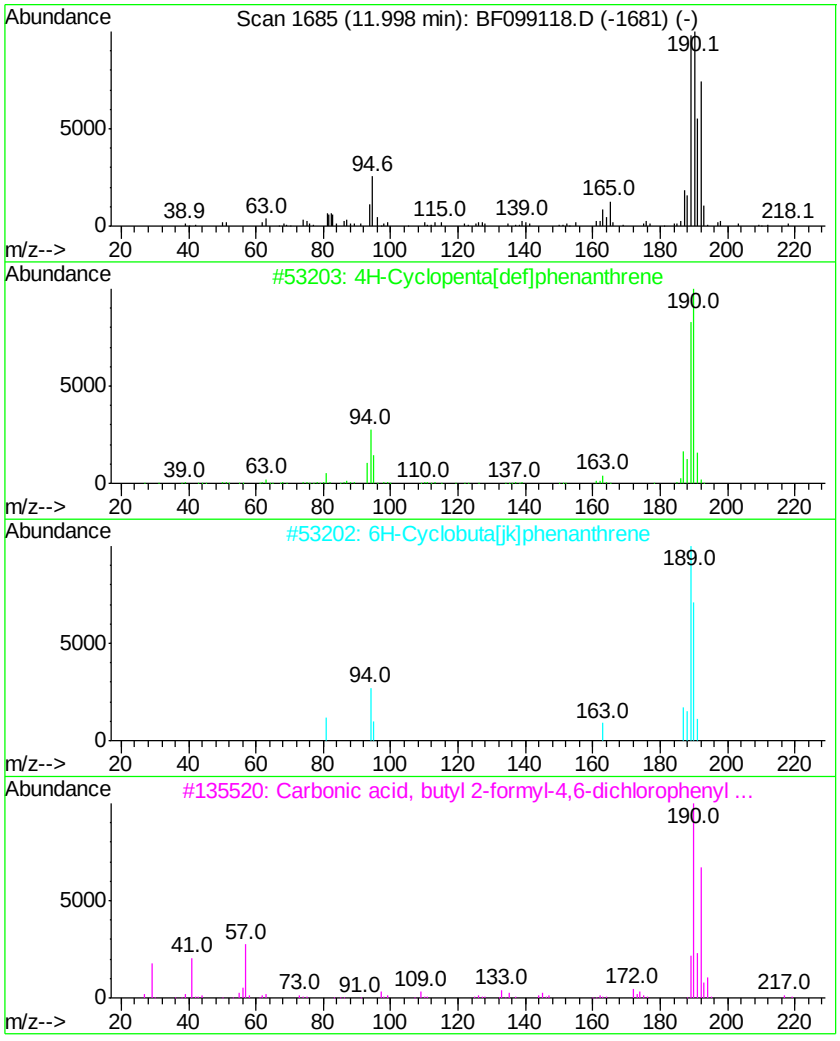
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

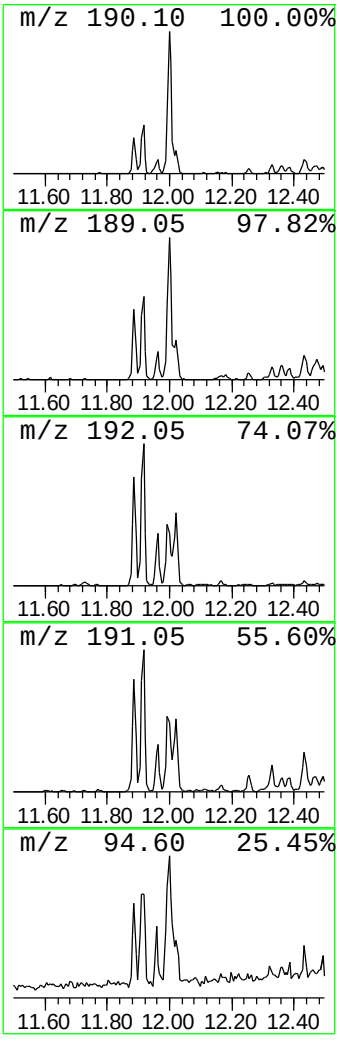
****

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.88 ng	194655	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	47
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	38





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Acq On : 5 Oct 2017 22:09
Operator : SJ/JU
Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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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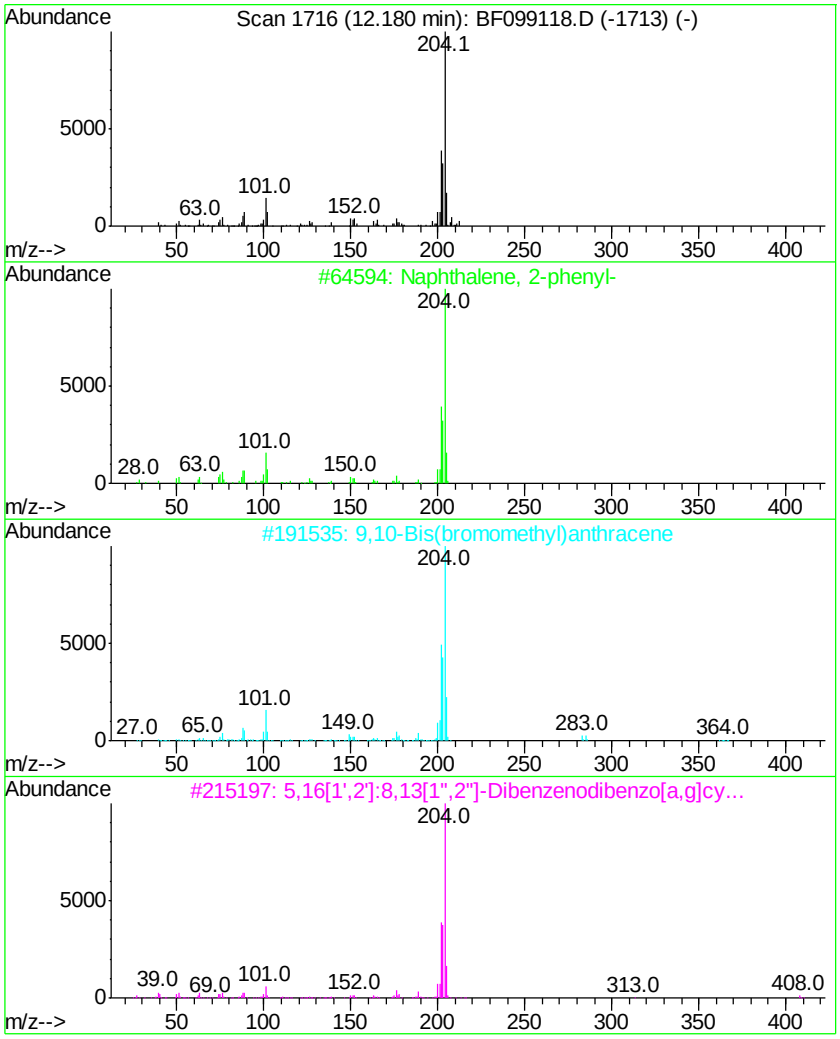
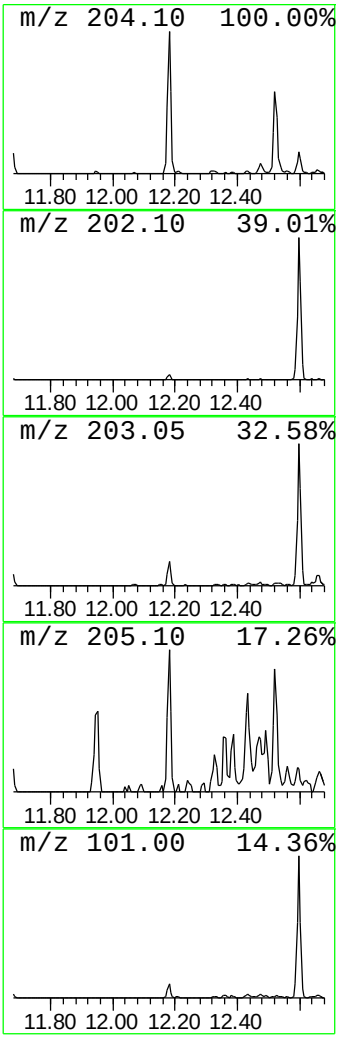
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	2.36 ng	118540	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	91
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53





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Acq On : 5 Oct 2017 22:09
Operator : SJ/JU
Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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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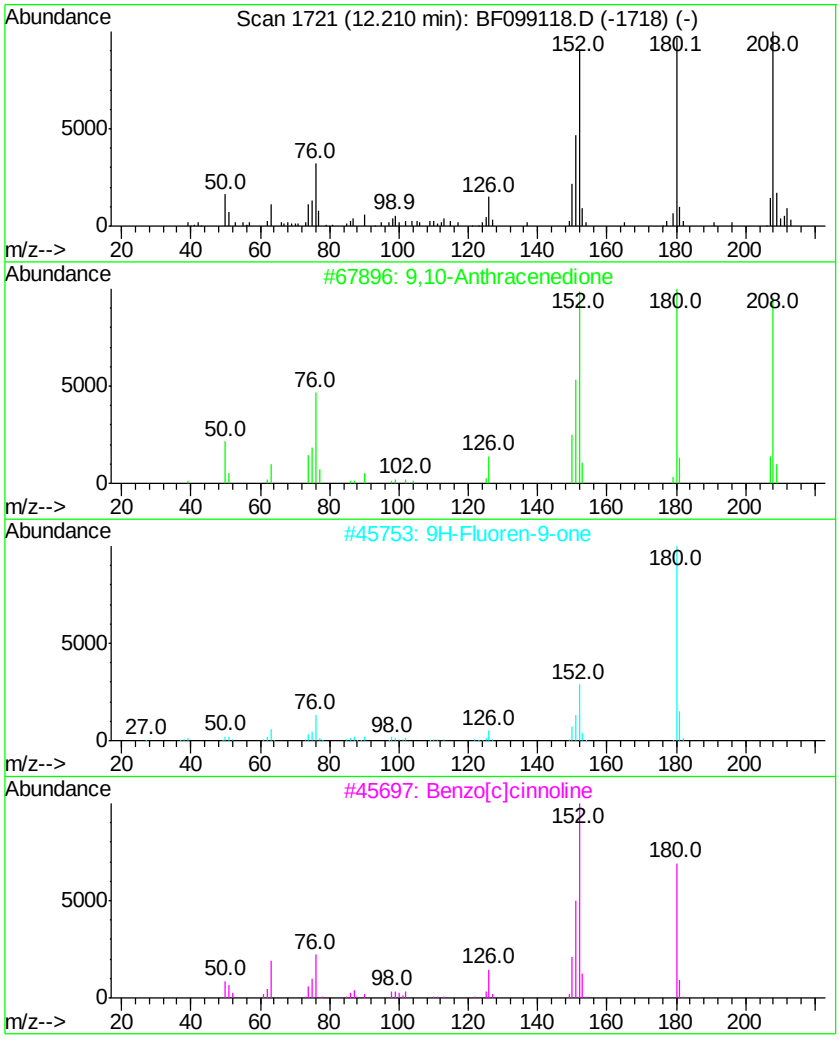
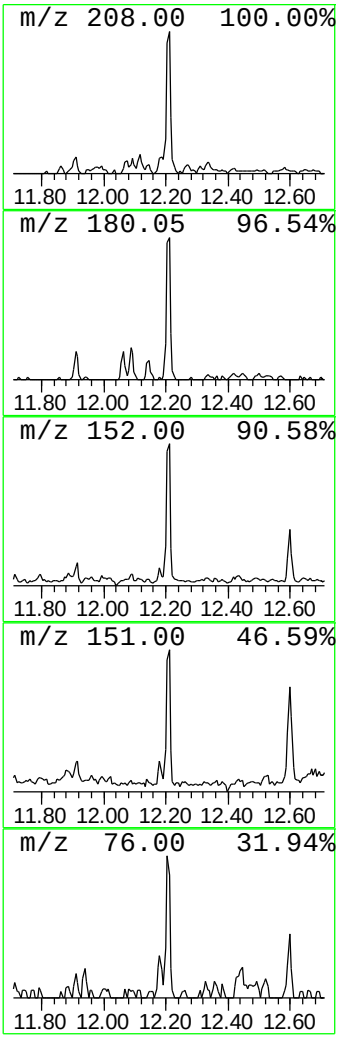
Peak Number 13 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	2.16 ng	108400	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53





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Acq On : 5 Oct 2017 22:09
Operator : SJ/JU
Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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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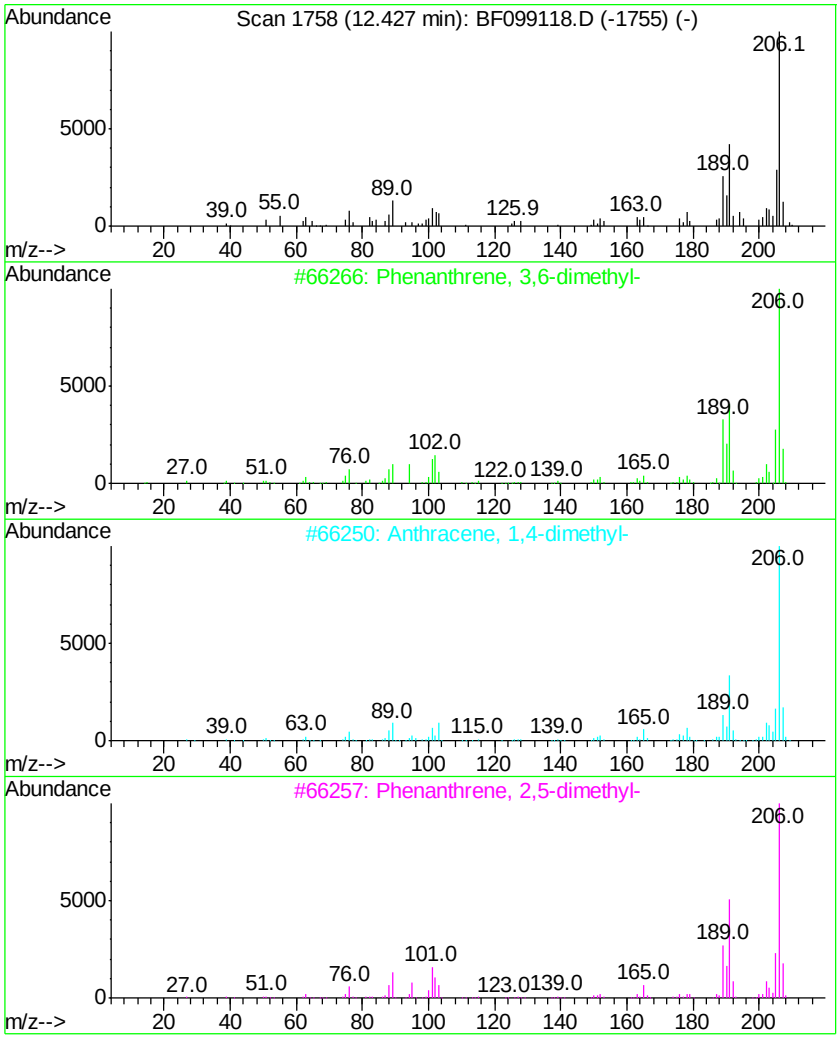
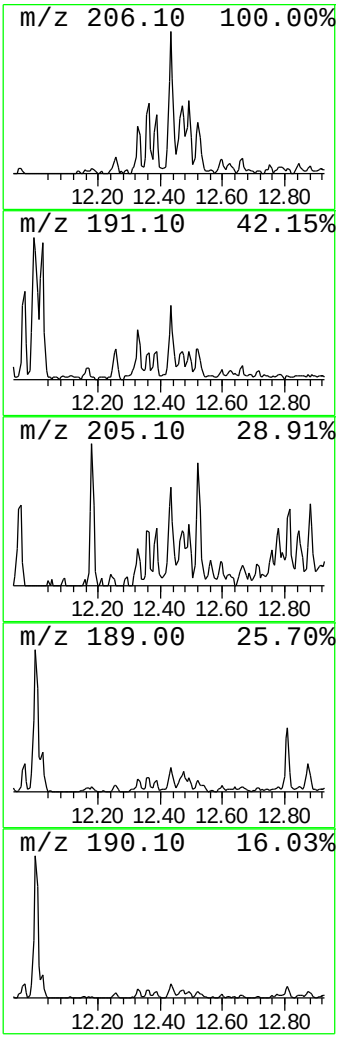
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	2.30 ng	115281	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Operator : SJ/JU
Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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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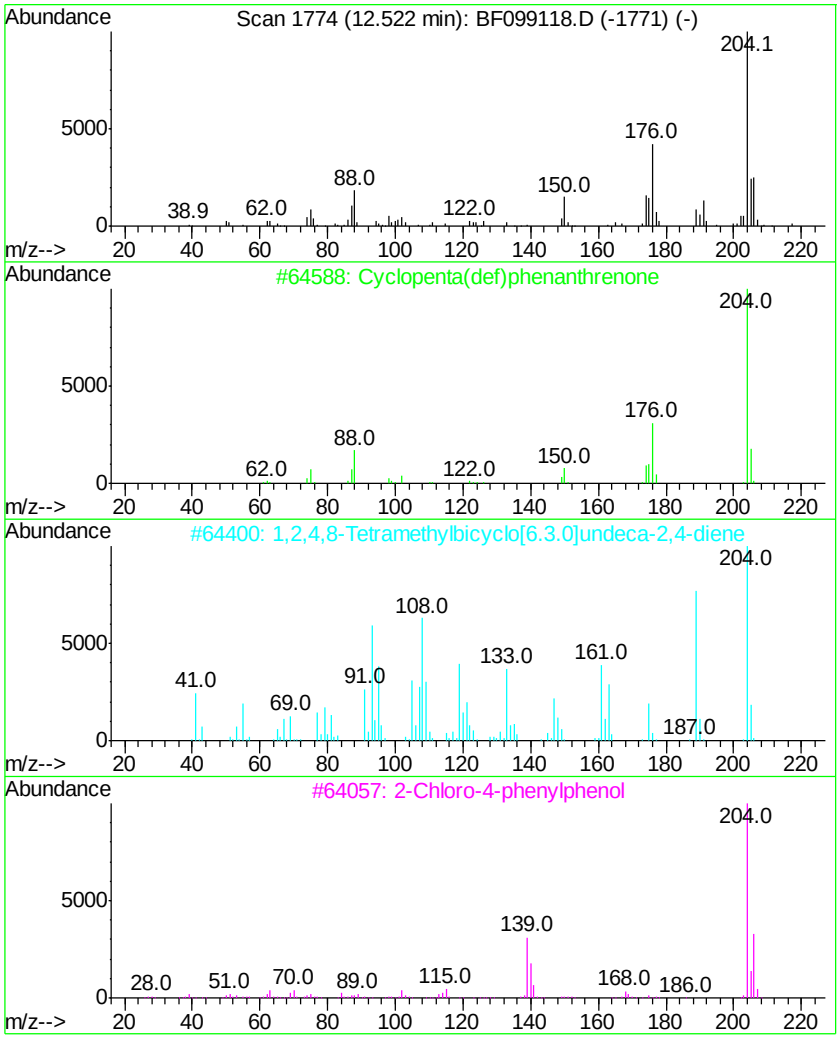
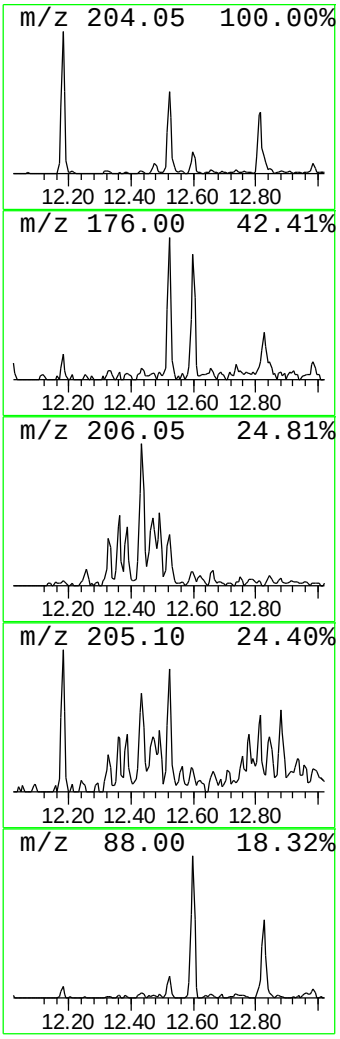
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.06 ng	103367	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	37





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Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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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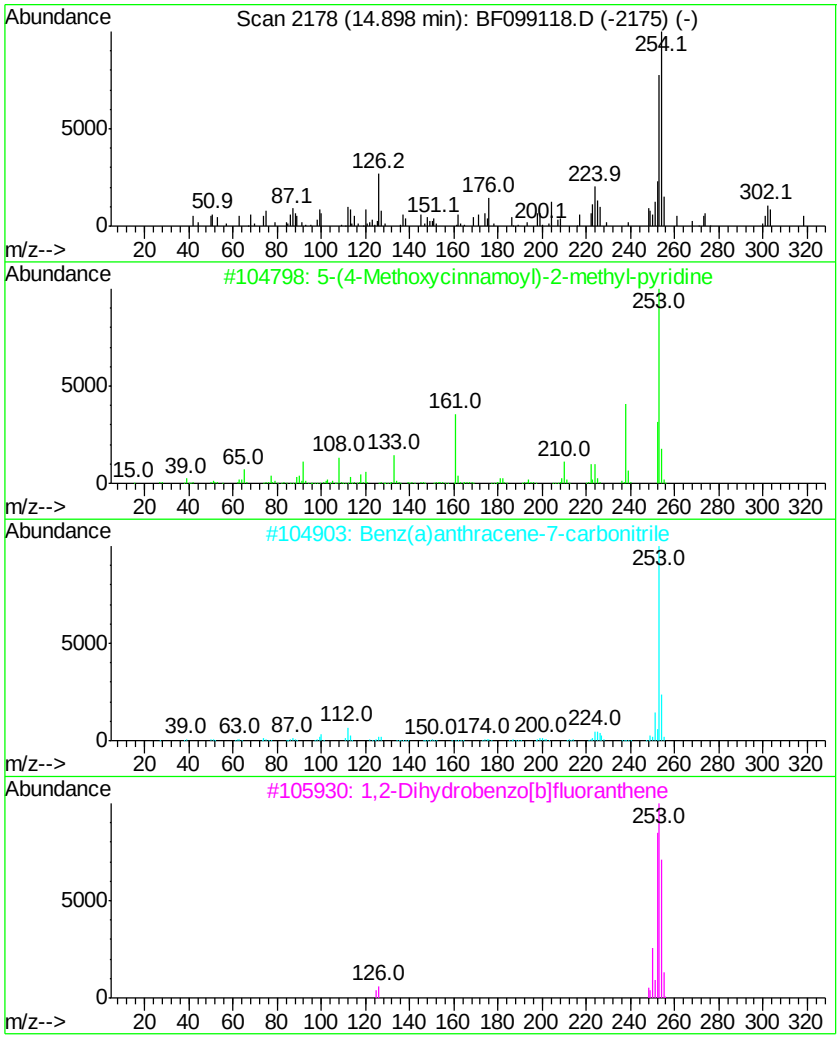
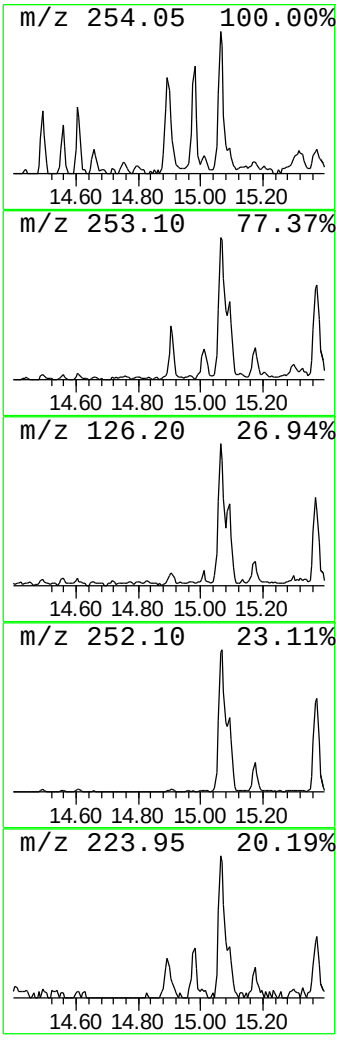
Peak Number 16 unknown14.90 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	2.40 ng	87308	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-(4-Methoxycinnamoyl)-2-methyl-...	253	C16H15NO2	094298-96-1	47
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	47
3	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	38
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	32
5	3-Chloro-11H-pyrido[3',2'-4,5]py...	253	C14H8ClN3	1000212-59-4	25





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Acq On : 5 Oct 2017 22:09
Operator : SJ/JU
Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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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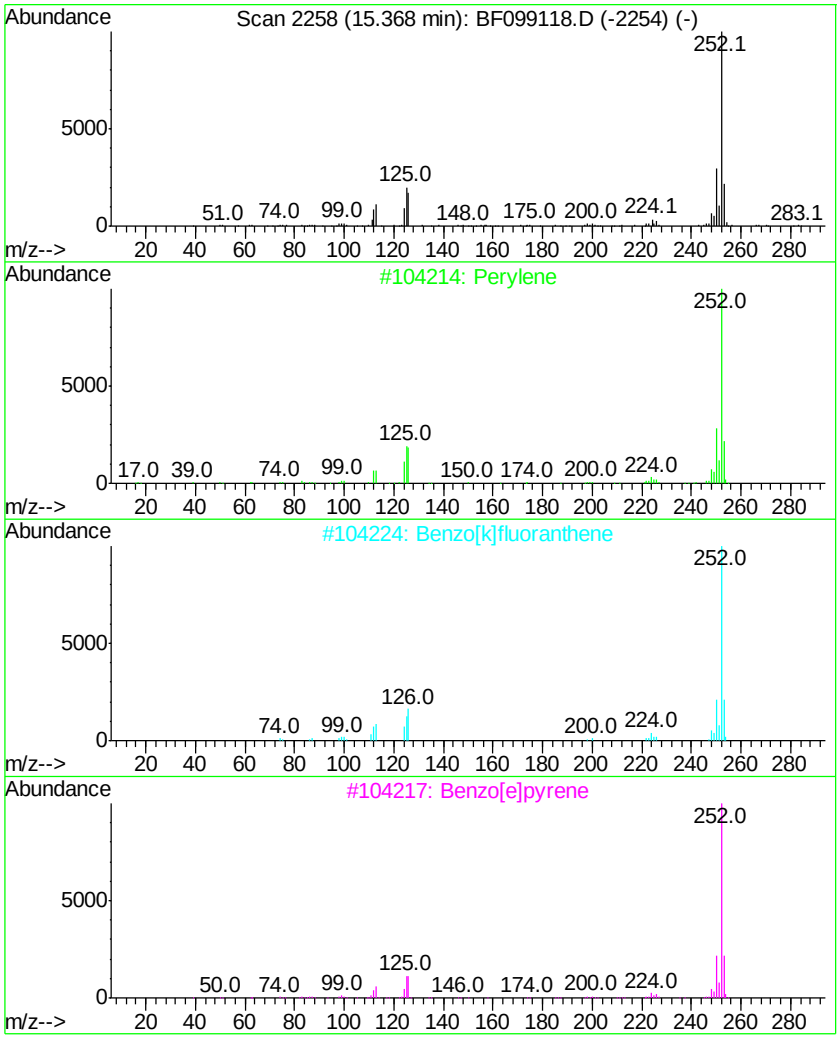
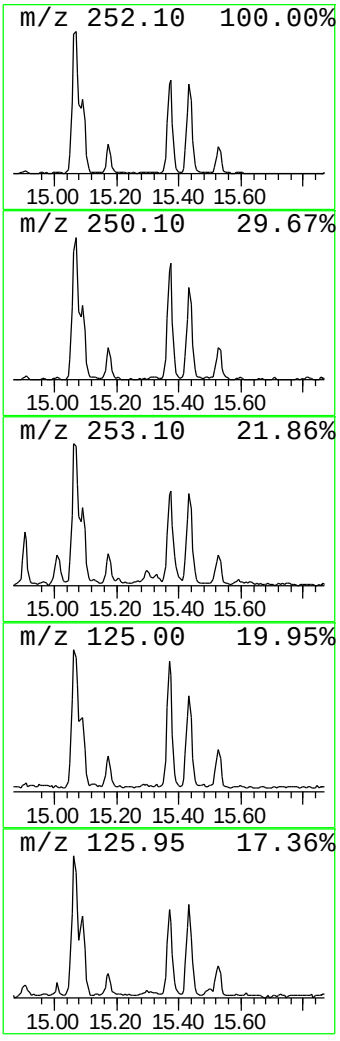
Peak Number 17 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	8.67 ng	315801	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[e]pyrene	252	C20H12	000192-97-2	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94





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Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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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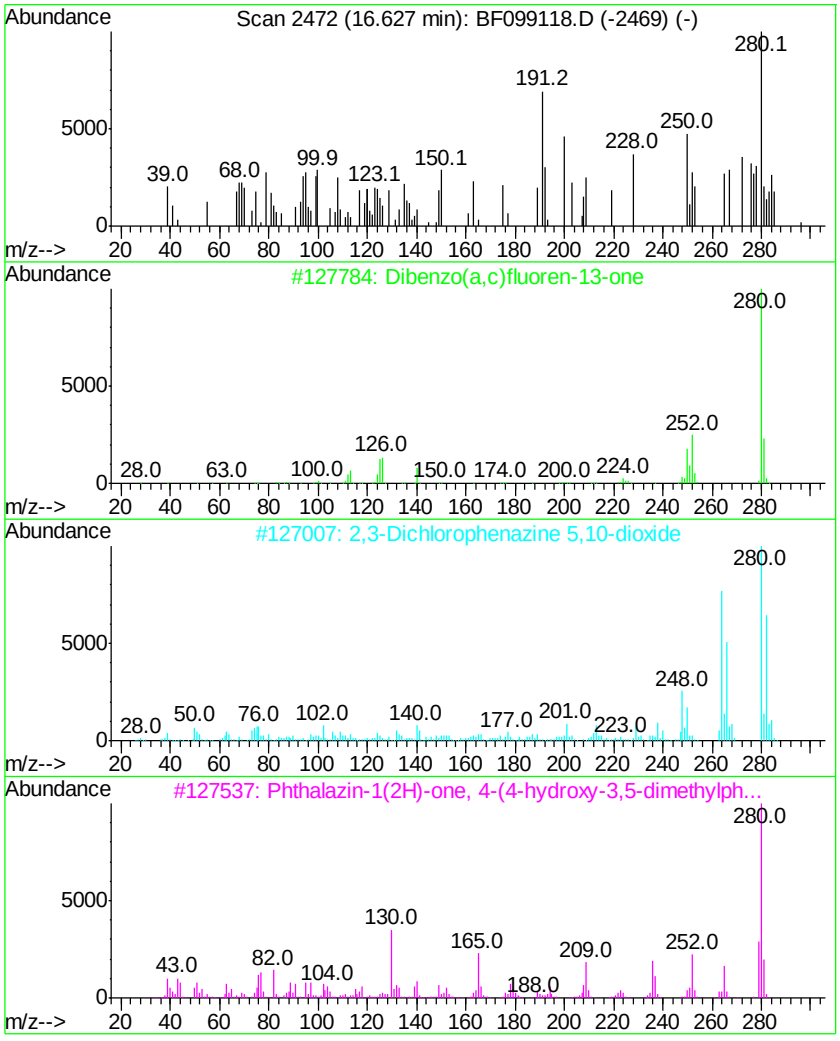
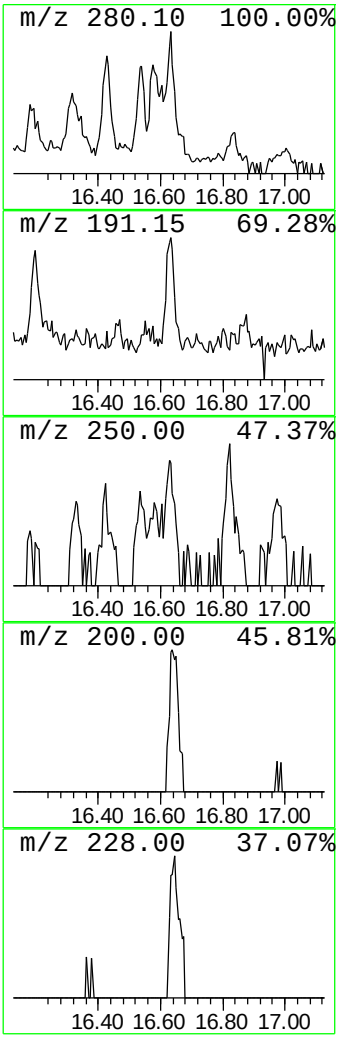
Peak Number 18 unknown16.63 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	2.46 ng	89645	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	30
2	2,3-Dichlorophenazine 5,10-dioxide	280	C12H6Cl2N2O2	029573-72-6	27
3	Phthalazin-1(2H)-one, 4-(4-hydro...	280	C17H16N2O2	203246-97-3	25
4	3-Hydroxy-D-homoestra-1,3,5(10),...	280	C19H20O2	1000215-90-6	22
5	1H-Indene, 1-(diphenylmethylene)-	280	C22H16	013245-90-4	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100517\
Data File : BF099118.D
Acq On : 5 Oct 2017 22:09
Operator : SJ/JU
Sample : I5585-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G67-0-1

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
2-Pentanone, 4-hy...	5.07	3.1	ng	117795	1	6.86	747839	20.0
unknown6.63	6.63	18.9	ng	707617	1	6.86	747839	20.0
9H-Fluoren-9-one	11.19	4.3	ng	216367	4	11.39	1003560	20.0
unknown11.24	11.24	2.3	ng	114650	4	11.39	1003560	20.0
Dibenzothiophene	11.28	2.1	ng	107769	4	11.39	1003560	20.0
5H-Indeno[1,2-b]p...	11.62	2.6	ng	132043	4	11.39	1003560	20.0
Anthracene, 2-met...	11.89	2.7	ng	135780	4	11.39	1003560	20.0
Phenanthrene, 2-m...	11.92	4.0	ng	198450	4	11.39	1003560	20.0
4H-Cyclopenta[def...	12.00	3.9	ng	194655	4	11.39	1003560	20.0
Naphthalene, 2-ph...	12.18	2.4	ng	118540	4	11.39	1003560	20.0
9,10-Anthracenedione	12.21	2.2	ng	108400	4	11.39	1003560	20.0
Phenanthrene, 3,6...	12.43	2.3	ng	115281	4	11.39	1003560	20.0
Cyclopenta(def)ph...	12.52	2.1	ng	103367	4	11.39	1003560	20.0
unknown14.90	14.90	2.4	ng	87308	6	15.50	728452	20.0
Perylene	15.37	8.7	ng	315801	6	15.50	728452	20.0
unknown16.63	16.63	2.5	ng	89645	6	15.50	728452	20.0