LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099708.D
Acq On : 20 Oct 2017 18:38
Operator : SJ/JU
Sample : I5981-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-01-101817-C

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	5.016	495	498	512	rBV	151886	166819	17.88%	1.154%
2	5.440	567	570	581	rBV	95429	118078	12.66%	0.817%
3	6.451	739	742	759	rBV	322105	355892	38.16%	2.461%
4	6.587	761	765	771	rVV	294609	268066	28.74%	1.854%
5	6.810	800	803	810	rBV	571479	494677	53.03%	3.421%
6	6.928	819	823	826	rBV	20482	19153	2.05%	0.132%
7	6.969	826	830	840	rVB	357784	313809	33.64%	2.170%
8	7.075	845	848	855	rBV	22372	23353	2.50%	0.162%
9	7.375	896	899	906	rBV	229637	222613	23.87%	1.540%
10	7.839	974	978	982	rBV2	18209	29488	3.16%	0.204%
11	7.875	982	984	992	rVB2	13048	20291	2.18%	0.140%
12	8.092	1018	1021	1023	rBV	811749	647086	69.37%	4.475%
13	8.116	1023	1025	1029	rVB	210821	164282	17.61%	1.136%
14	8.804	1139	1142	1150	rVB	184044	150596	16.15%	1.042%
15	8.904	1155	1159	1166	rVB	158808	128372	13.76%	0.888%
16	9.163	1200	1203	1207	rBV	550839	432254	46.34%	2.989%
17	9.269	1218	1221	1226	rVV	53604	42358	4.54%	0.293%
18	9.363	1235	1237	1242	rVB	29029	28862	3.09%	0.200%
19	9.433	1245	1249	1253	rBV	42798	58369	6.26%	0.404%
20	9.504	1257	1261	1264	rVV	77571	75451	8.09%	0.522%
21	9.533	1264	1266	1269	rVV	50514	45378	4.87%	0.314%
22	9.622	1277	1281	1287	rBV	34089	39022	4.18%	0.270%
23	9.710	1293	1296	1300	rBV2	81233	66998	7.18%	0.463%
24	9.845	1316	1319	1322	rVV2	710610	609029	65.29%	4.212%
25	9.880	1322	1325	1329	rVB	169590	146135	15.67%	1.011%
26	9.951	1334	1337	1341	rVB3	15716	22445	2.41%	0.155%
27	10.051	1350	1354	1358	rVV	102333	90833	9.74%	0.628%
28	10.086	1358	1360	1364	rVB	25822	21551	2.31%	0.149%
29	10.157	1370	1372	1375	rBV	19902	20044	2.15%	0.139%
30	10.392	1409	1412	1418	rVV	196266	184769	19.81%	1.278%
31	10.457	1422	1423	1425	rVV	24646	20326	2.18%	0.141%
32	10.480	1425	1427	1429	rVV2	32256	25944	2.78%	0.179%
33	10.551	1437	1439	1443	rVV2	26470	28677	3.07%	0.198%
34	10.633	1446	1453	1458	rBV3	24095	37895	4.06%	0.262%

LSC Area Percent Report

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Acq On : 20 Oct 2017 18:38
Operator : SJ/JU
Sample : I5981-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-01-101817-C

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	10.945	1501	1506	1508	rVV	28182	34173	3.66%	0.236%
36	10.969	1508	1510	1513	rVV	25621	23164	2.48%	0.160%
37	11.233	1552	1555	1559	rVB	44956	38035	4.08%	0.263%
38	11.333	1569	1572	1574	rBV	550670	469450	50.33%	3.247%
39	11.357	1574	1576	1580	rVV	721138	605021	64.87%	4.184%
40	11.410	1582	1585	1589	rVV	209334	181607	19.47%	1.256%
41	11.574	1609	1613	1617	rVV	36251	43435	4.66%	0.300%
42	11.627	1620	1622	1624	rVV	32416	25303	2.71%	0.175%
43	11.663	1626	1628	1634	rVB2	15137	20408	2.19%	0.141%
44	11.833	1655	1657	1660	rBV	90172	76938	8.25%	0.532%
45	11.863	1660	1662	1666	rVV	114983	95895	10.28%	0.663%
46	11.910	1668	1670	1673	rVV	46471	41591	4.46%	0.288%
47	11.951	1673	1677	1679	rVV	152602	172427	18.49%	1.192%
48	11.969	1679	1680	1686	rVB	68639	53068	5.69%	0.367%
49	12.127	1704	1707	1710	rBV	95818	75333	8.08%	0.521%
50	12.380	1747	1750	1752	rBV	51566	56269	6.03%	0.389%
51	12.421	1755	1757	1759	rVV2	56044	49042	5.26%	0.339%
52	12.480	1763	1767	1770	rBV3	30917	39213	4.20%	0.271%
53	12.551	1775	1779	1782	rBV	737239	643850	69.03%	4.453%
54	12.698	1801	1804	1807	rBV2	29663	29658	3.18%	0.205%
55	12.780	1811	1818	1824	rBV	734269	766576	82.19%	5.302%
56	12.827	1824	1826	1830	rVB2	34951	33233	3.56%	0.230%
57	12.910	1830	1840	1843	rBV2	340034	338129	36.25%	2.338%
58	12.945	1843	1846	1849	rVB	26489	27468	2.94%	0.190%
59	12.992	1850	1854	1859	rBV2	49656	76939	8.25%	0.532%
60	13.104	1866	1873	1876	rBV	135588	184289	19.76%	1.275%
61	13.174	1881	1885	1887	rBV	101972	90146	9.66%	0.623%
62	13.210	1887	1891	1898	rVB3	85823	106729	11.44%	0.738%
63	13.304	1904	1907	1910	rVV	59321	49483	5.31%	0.342%
64	13.333	1910	1912	1921	rVB	68675	83853	8.99%	0.580%
65	13.510	1938	1942	1944	rBV3	16393	19752	2.12%	0.137%
66	13.592	1952	1956	1958	rBV4	27304	35550	3.81%	0.246%
67	13.621	1958	1961	1964	rVB2	39149	40776	4.37%	0.282%
68	13.727	1974	1979	1981	rBV2	74575	71883	7.71%	0.497%
69	13.751	1981	1983	1985	rBV	58216	40424	4.33%	0.280%
70	13.780	1985	1988	1990	rBV	37069	34238	3.67%	0.237%
71	13.833	1995	1997	2003	rVB2	49041	56102	6.01%	0.388%

LSC Area Percent Report

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Sample : I5981-07 5X
Misc :
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Instrument : BNA_F
ClientSampleId : NB-01-101817-C

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	13.898	2003	2008	2011	rBV	24489	39978	4.29%	0.276%
73	13.945	2013	2016	2017	rBV2	25969	28754	3.08%	0.199%
74	13.974	2017	2021	2024	rVV2	683511	932738	100.00%	6.451%
75	14.004	2024	2026	2030	rVB	348629	284784	30.53%	1.970%
76	14.086	2037	2040	2042	rVB	73170	61344	6.58%	0.424%
77	14.133	2046	2048	2054	rVB4	26054	30206	3.24%	0.209%
78	14.298	2072	2076	2078	rBV3	19523	21418	2.30%	0.148%
79	14.327	2078	2081	2082	rVV2	37565	31000	3.32%	0.214%
80	14.362	2082	2087	2090	rVV2	163240	234452	25.14%	1.621%
81	14.398	2090	2093	2095	rVV2	59173	61760	6.62%	0.427%
82	14.439	2095	2100	2102	rVV4	48821	90506	9.70%	0.626%
83	14.462	2102	2104	2107	rVV3	47862	63419	6.80%	0.439%
84	14.492	2107	2109	2110	rVV	53431	49456	5.30%	0.342%
85	14.510	2110	2112	2115	rVV2	66709	66255	7.10%	0.458%
86	14.557	2116	2120	2123	rVV2	37388	58621	6.28%	0.405%
87	14.692	2139	2143	2144	rBV3	29437	34858	3.74%	0.241%
88	14.862	2168	2172	2175	rBV3	54117	63431	6.80%	0.439%
89	15.015	2194	2198	2201	rBV	317113	456856	48.98%	3.160%
90	15.121	2213	2216	2221	rBV	73751	77688	8.33%	0.537%
91	15.209	2228	2231	2236	rBV2	20212	40287	4.32%	0.279%
92	15.315	2245	2249	2255	rVB	196068	225130	24.14%	1.557%
93	15.380	2255	2260	2264	rVV	279733	348536	37.37%	2.410%
94	15.439	2266	2270	2273	rVV	415108	503048	53.93%	3.479%
95	15.468	2273	2275	2282	rVB2	86156	117957	12.65%	0.816%
96	16.333	2416	2422	2427	rBV7	25865	56285	6.03%	0.389%
97	16.903	2513	2519	2528	rVB	119598	231496	24.82%	1.601%
98	17.074	2543	2548	2554	rBV2	28349	57504	6.17%	0.398%
99	17.351	2590	2595	2606	rVB2	80681	163605	17.54%	1.131%
100	17.592	2629	2636	2646	rVB5	25122	79787	8.55%	0.552%

Sum of corrected areas: 14459524

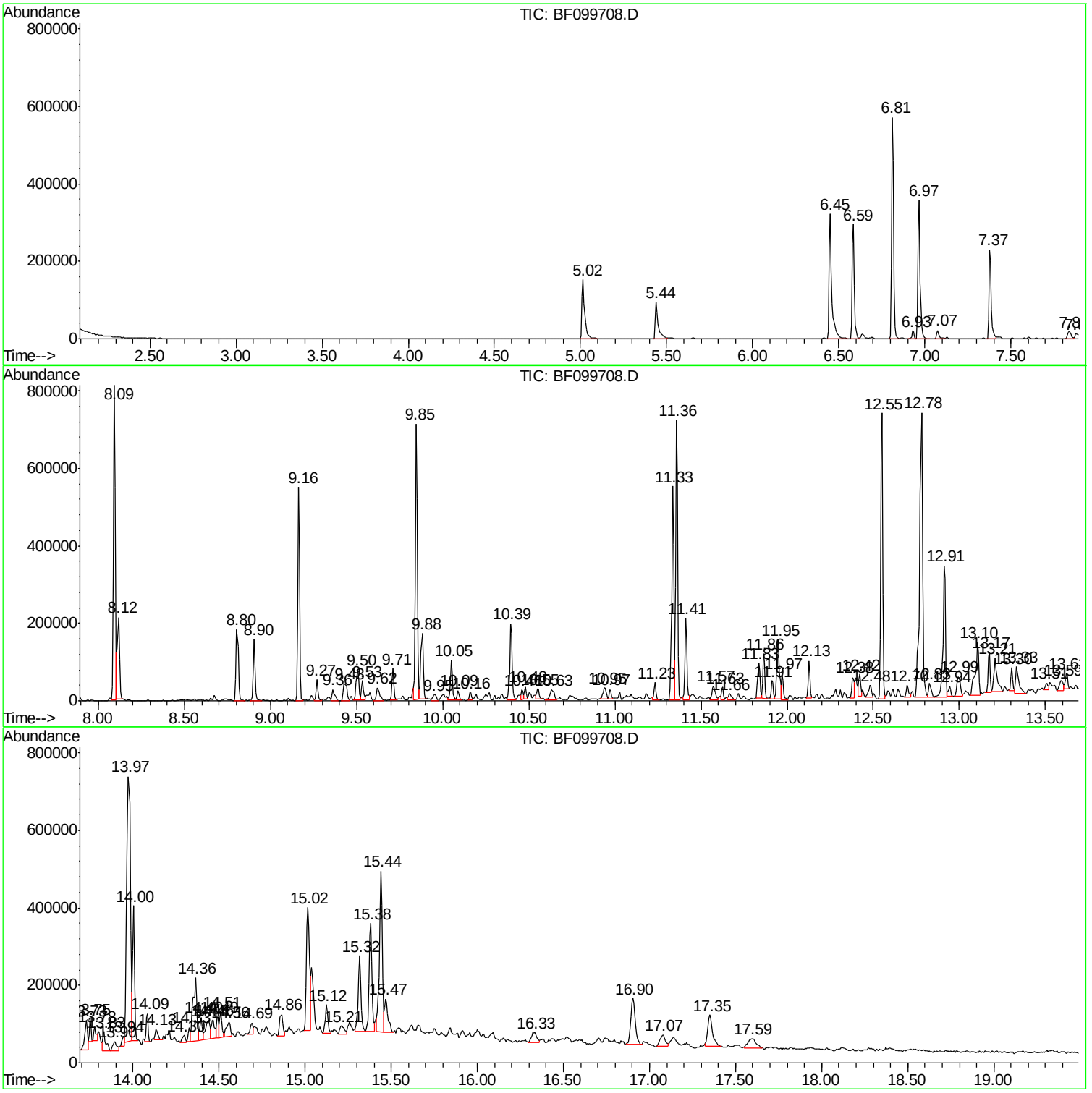
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099708.D
Acq On : 20 Oct 2017 18:38
Operator : SJ/JU
Sample : I5981-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-01-101817-C

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\BF102017\
Data File : BF099708.D
Acq On : 20 Oct 2017 18:38
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Sample : I5981-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-01-101817-C

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

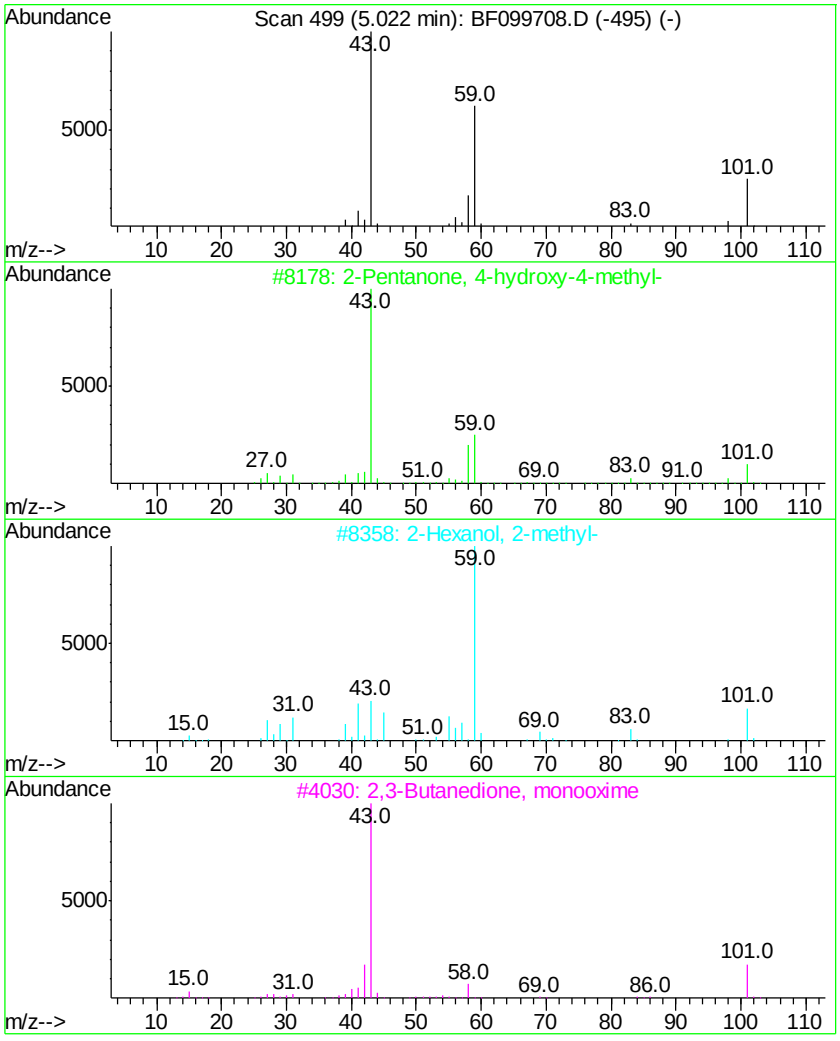
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

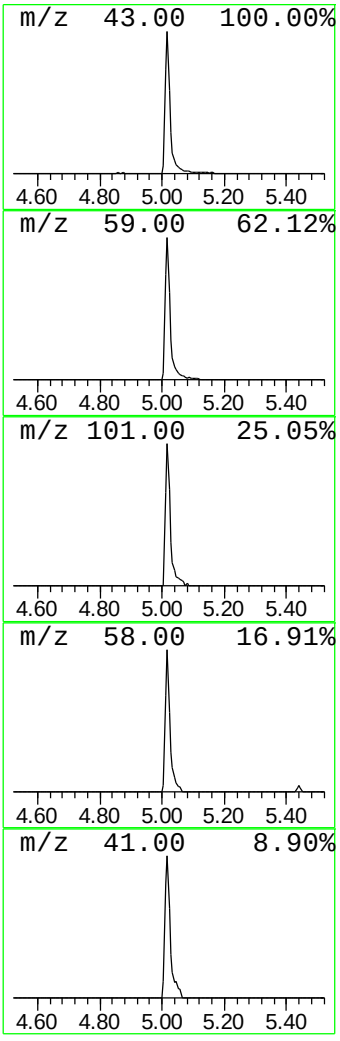
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	6.74 ng	166819	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Acetone	58	C3H6O	000067-64-1	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099708.D
Acq On : 20 Oct 2017 18:38
Operator : SJ/JU
Sample : I5981-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-01-101817-C

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

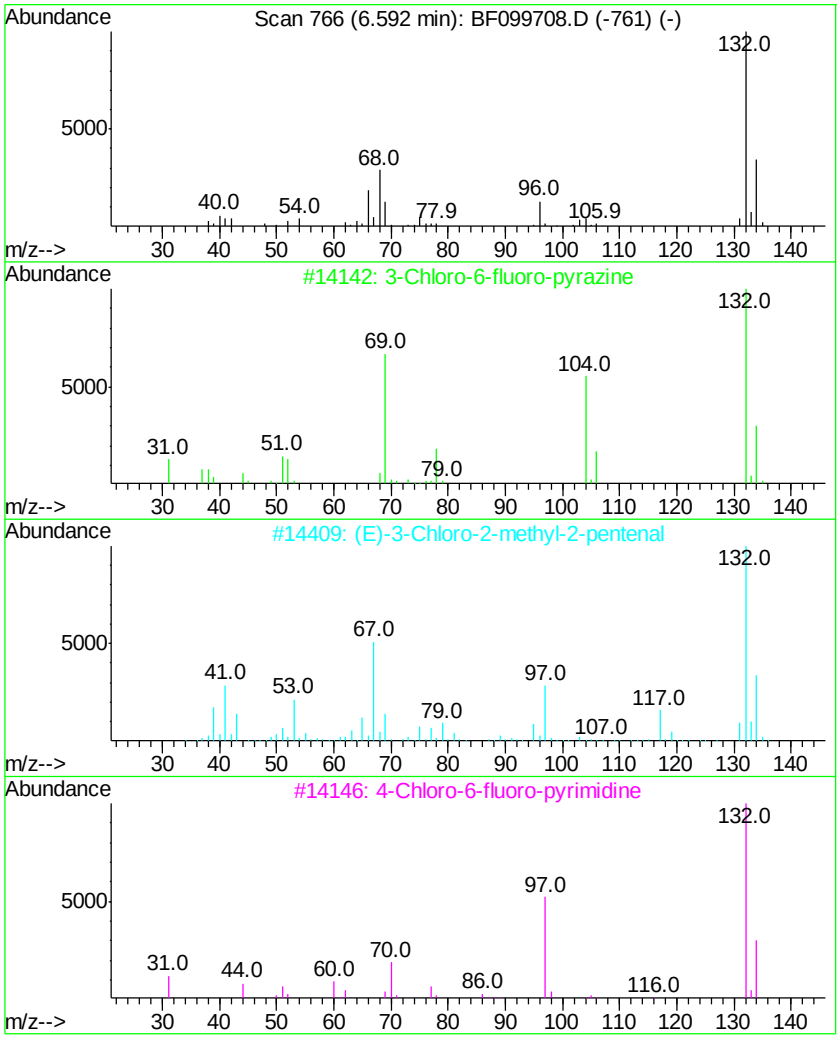
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

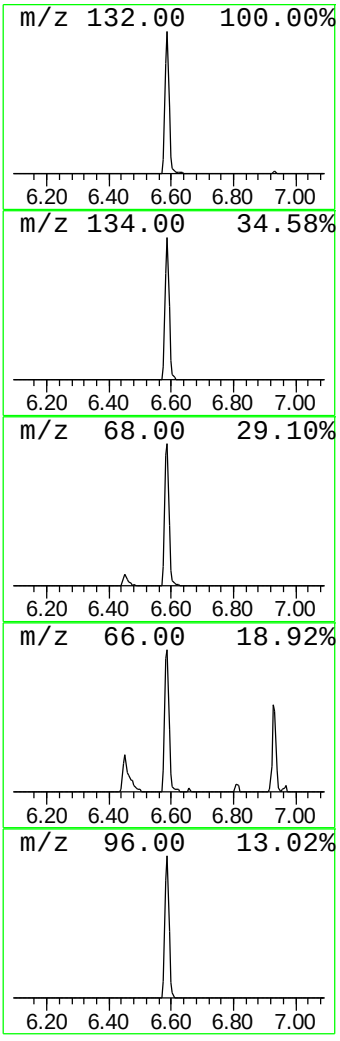
****

Peak Number 2 unknown6.59 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	10.84 ng	268066	1,4-Dichlorobenzene-d4	6.81

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	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099708.D
Acq On : 20 Oct 2017 18:38
Operator : SJ/JU
Sample : I5981-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-01-101817-C

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

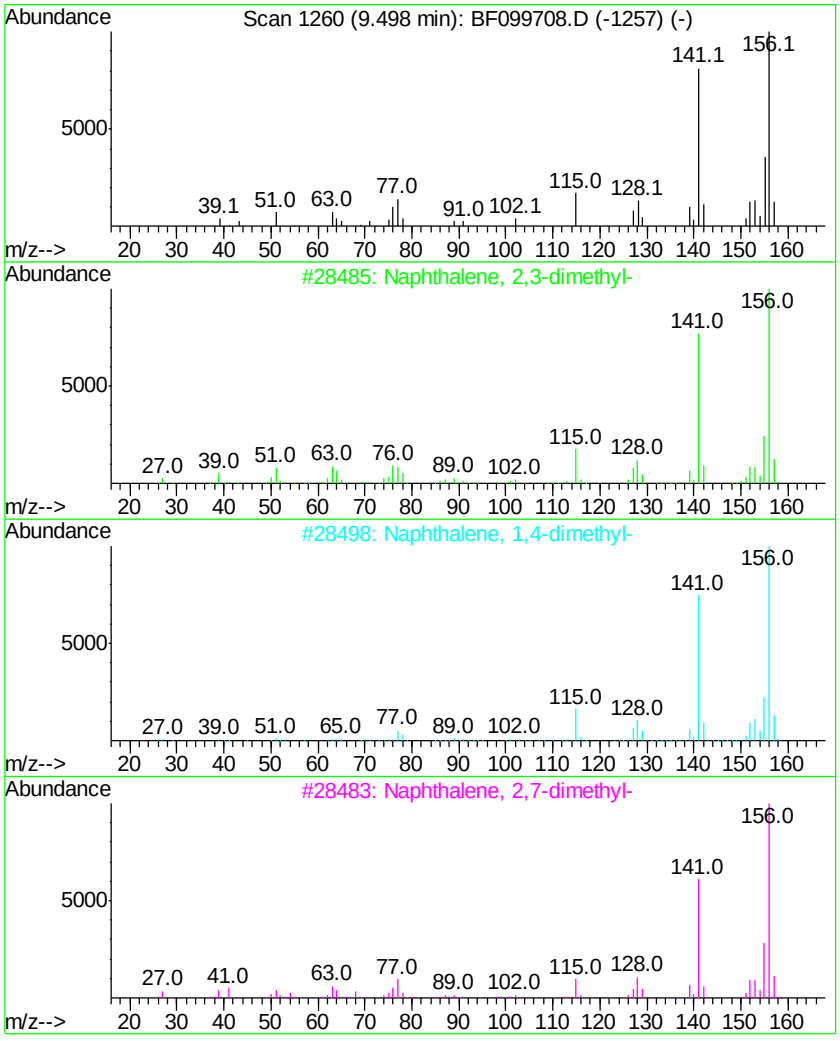
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

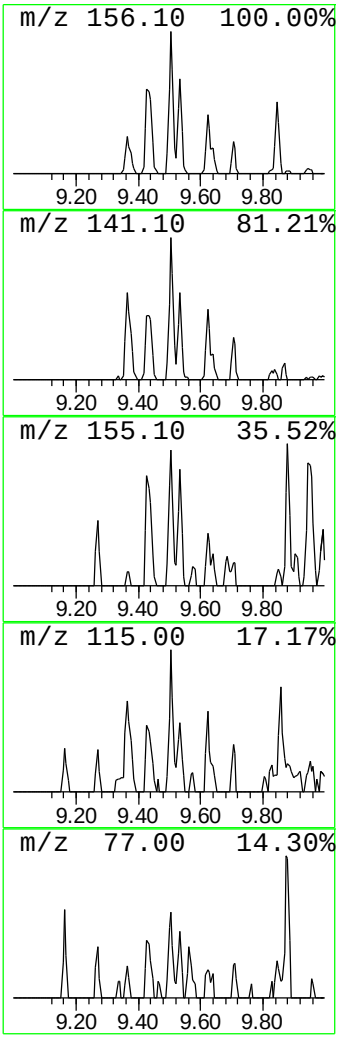
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	2.48 ng	75451	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
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Instrument : BNA_F
ClientSampleId : NB-01-101817-C

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

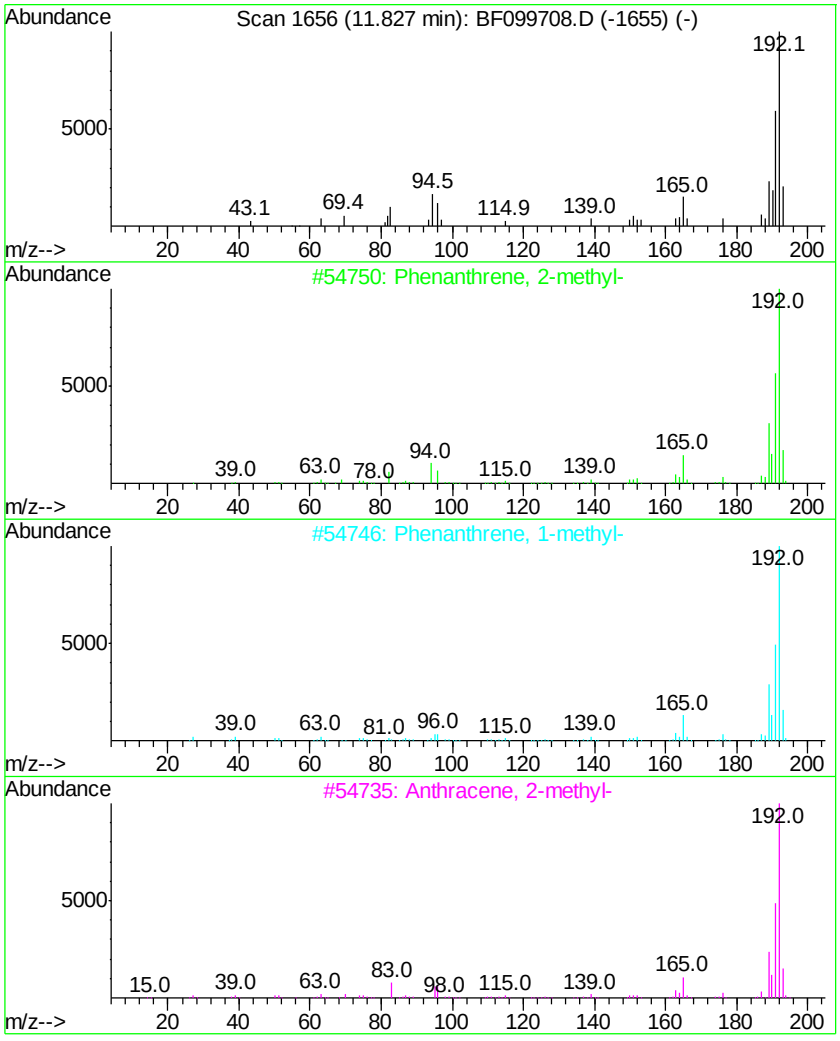
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

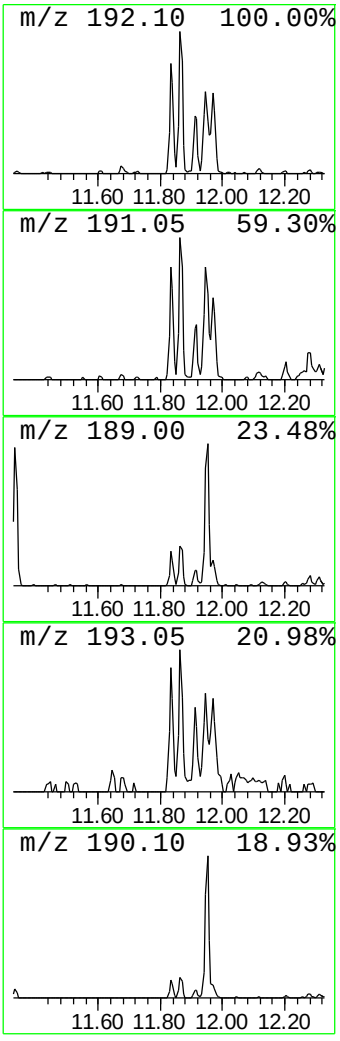
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.28 ng	76938	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099708.D
Acq On : 20 Oct 2017 18:38
Operator : SJ/JU
Sample : I5981-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-01-101817-C

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

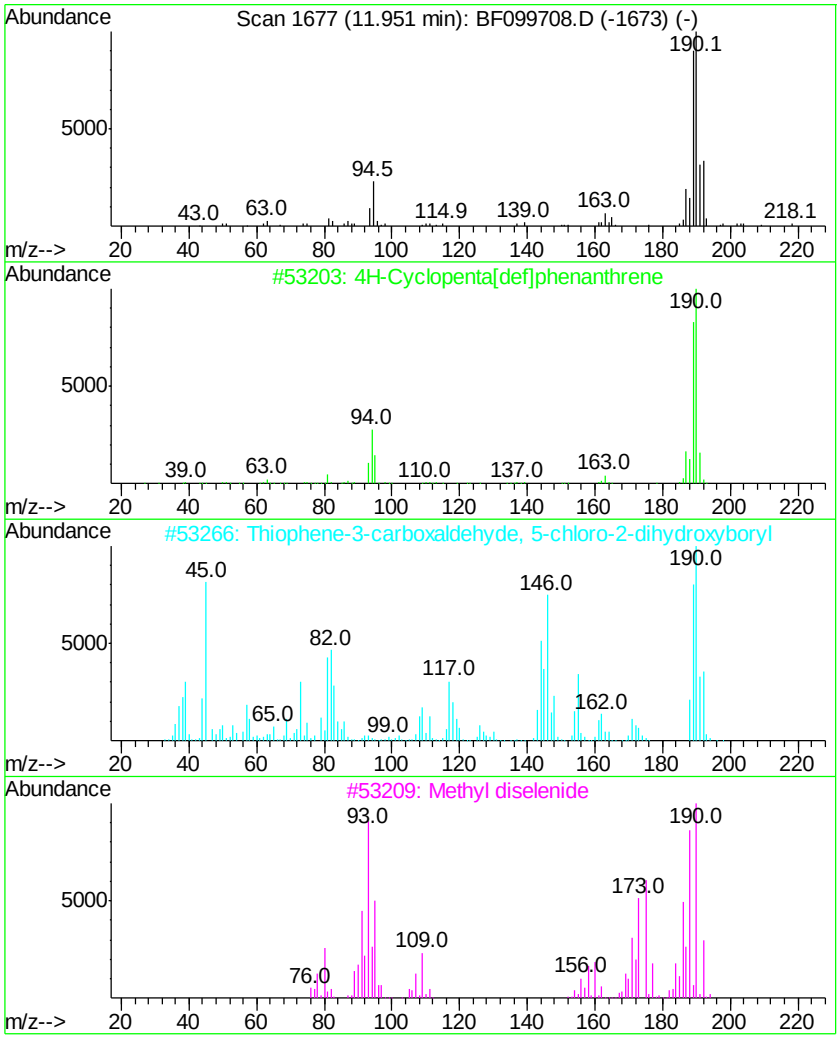
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

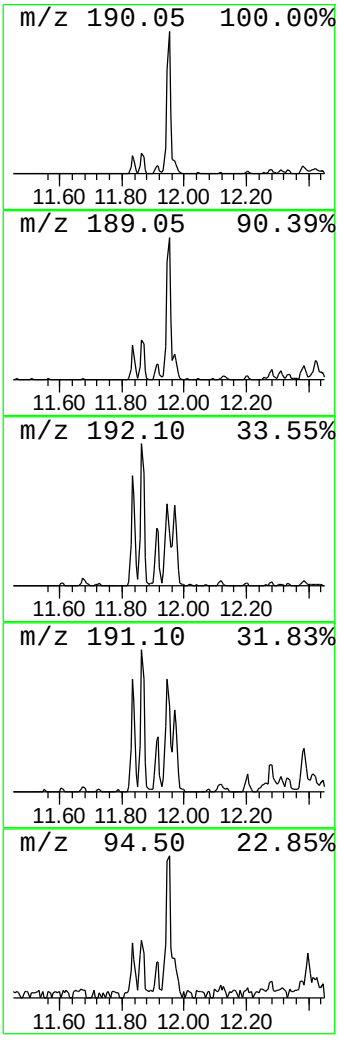
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	7.35 ng	172427	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	23





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Data File : BF099708.D
Acq On : 20 Oct 2017 18:38
Operator : SJ/JU
Sample : I5981-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-01-101817-C

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

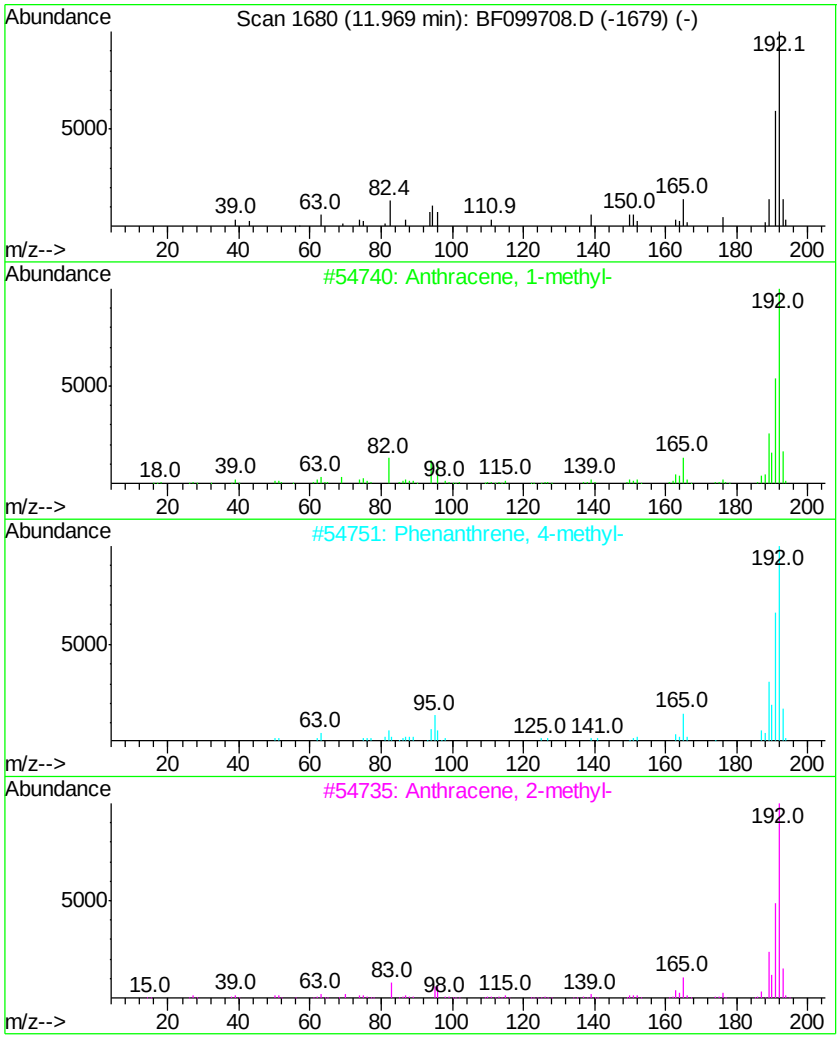
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

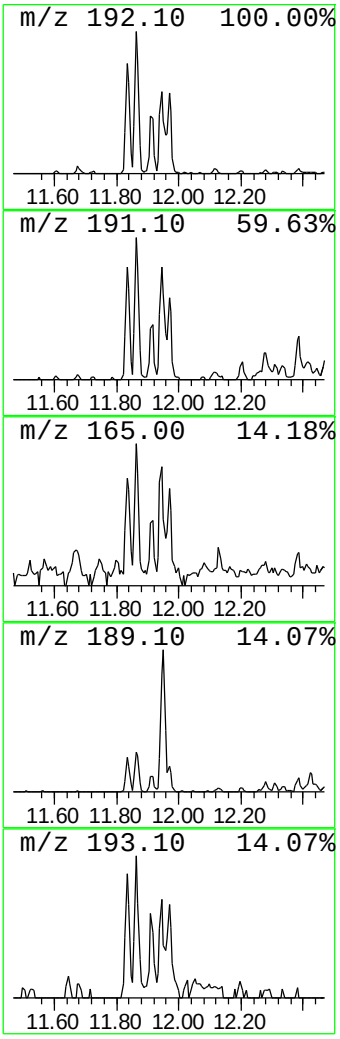
****

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	2.26 ng	53068	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-01-101817-C

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

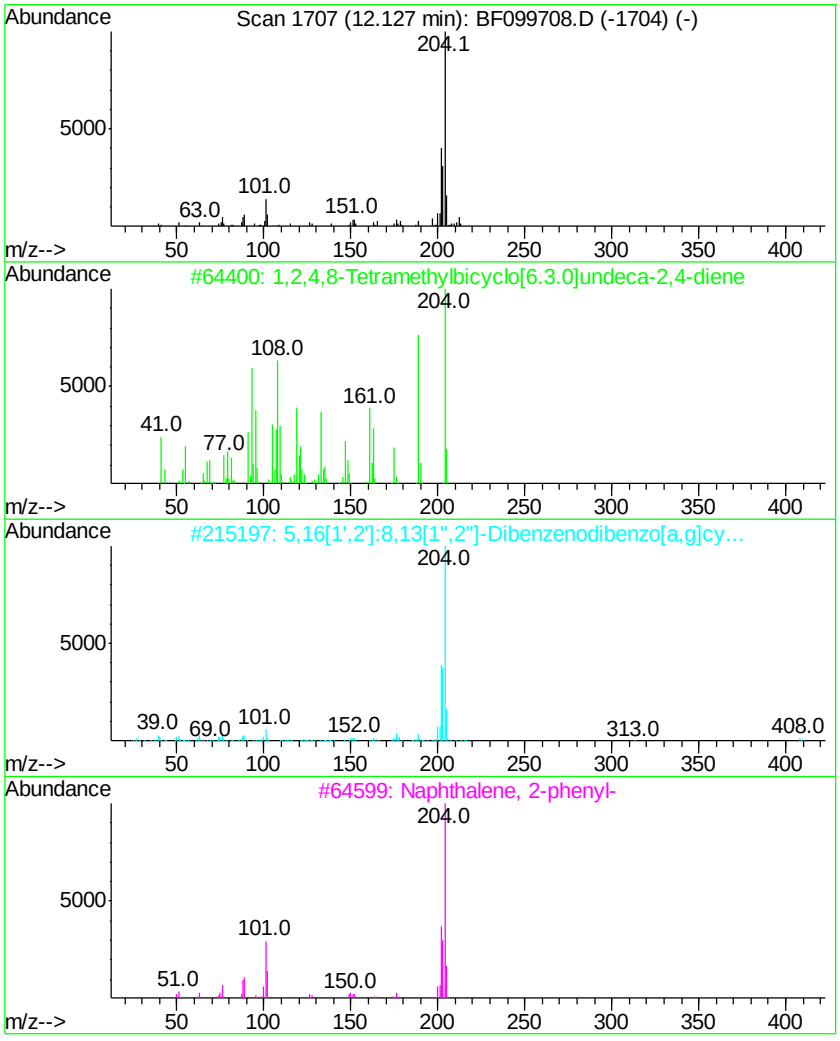
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

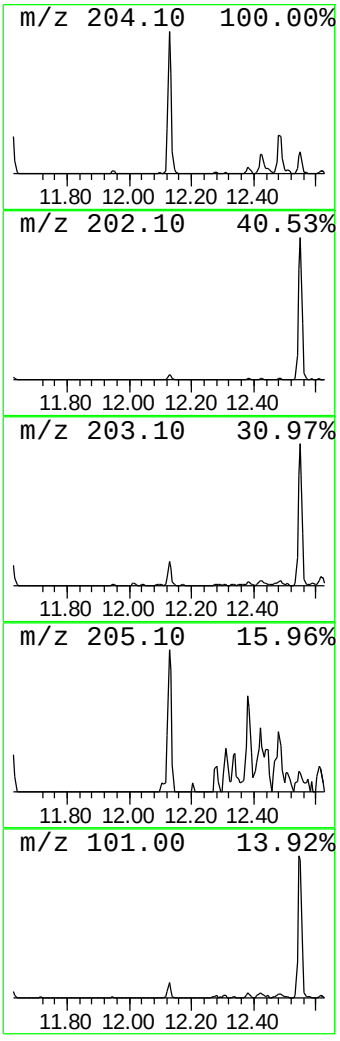
****

Peak Number 10 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.21 ng	75333	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58





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Misc :
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Instrument : BNA_F
ClientSampleId : NB-01-101817-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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TIC Integration Parameters: LSCINT.P

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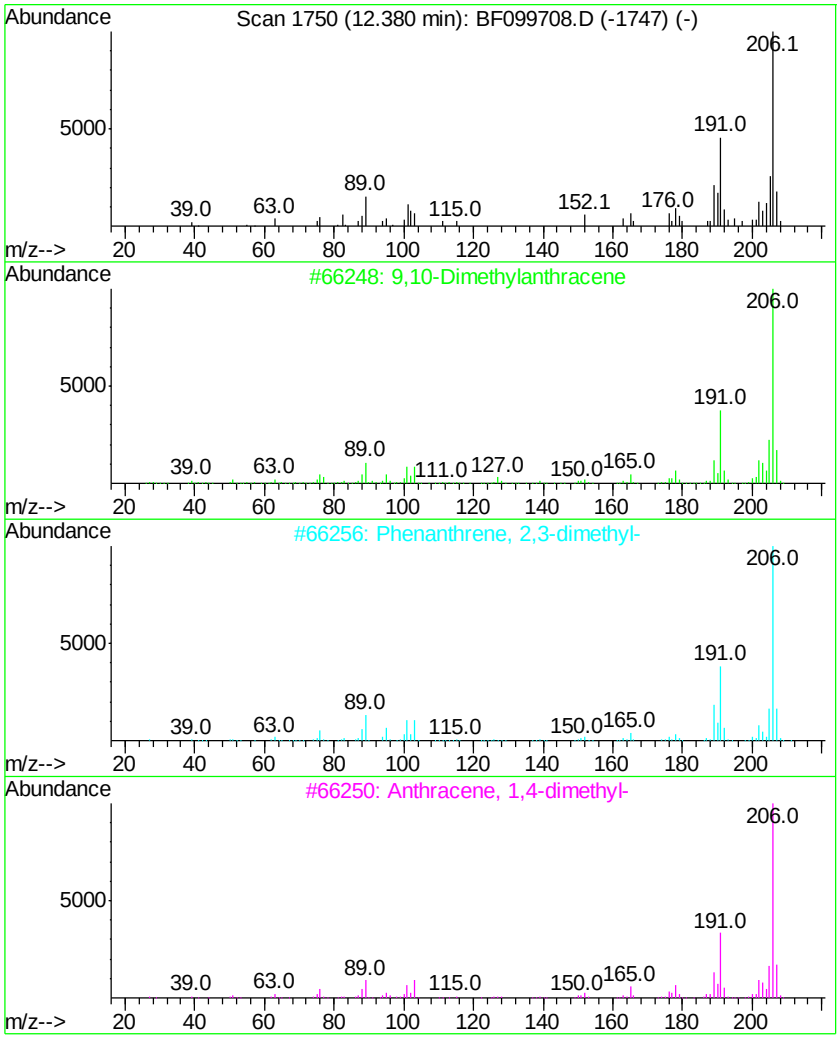
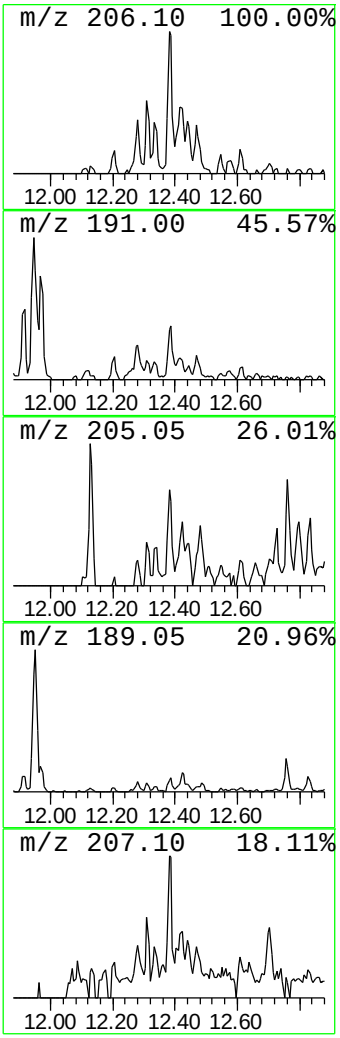
Peak Number 11 9,10-Dimethylanthracene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.40 ng	56269	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	92
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Operator : SJ/JU
Sample : I5981-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-01-101817-C

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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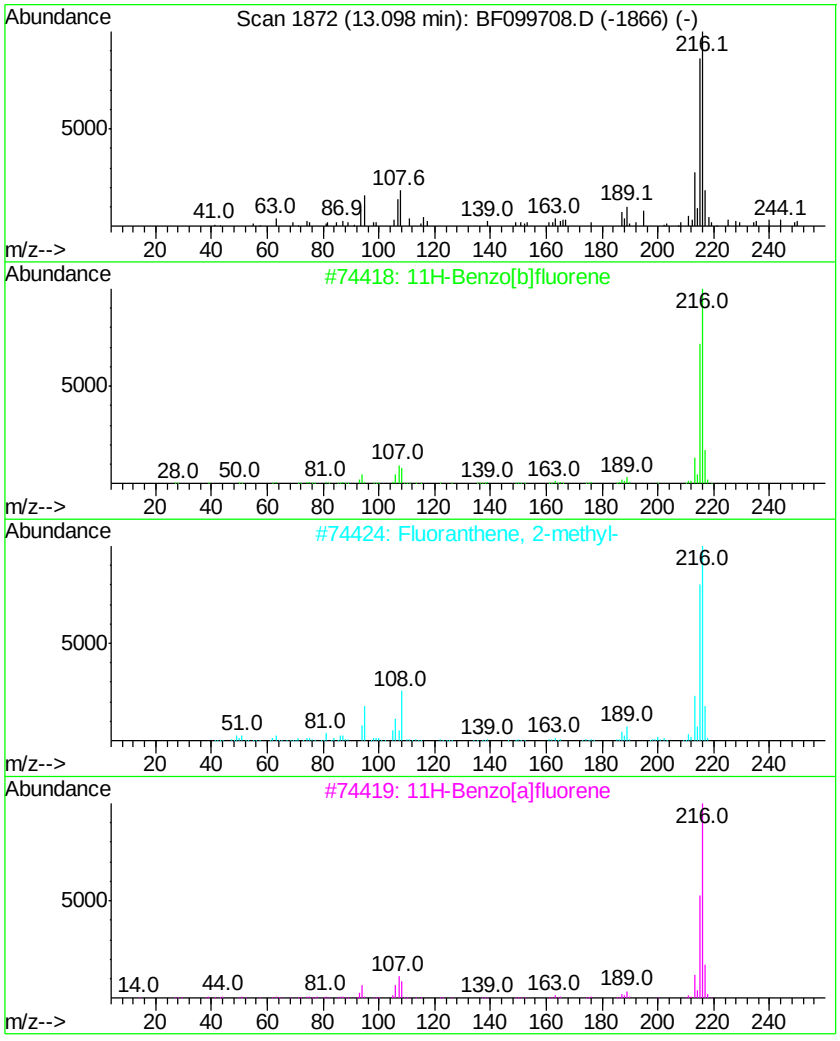
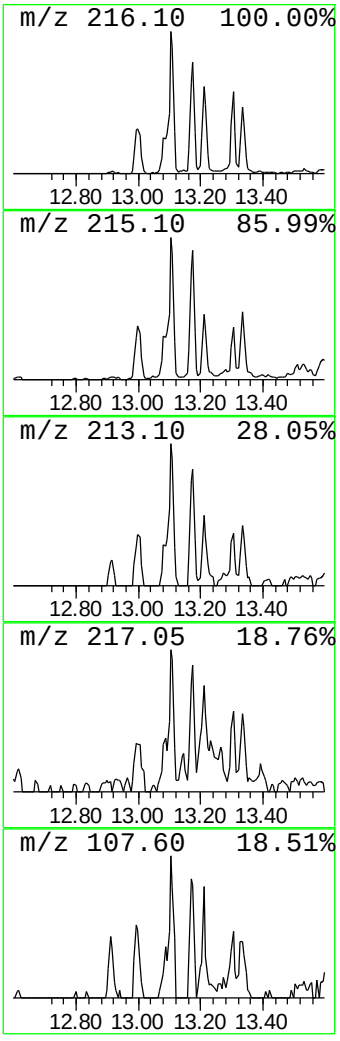
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	3.95 ng	184289	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Acq On : 20 Oct 2017 18:38
Operator : SJ/JU
Sample : I5981-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-01-101817-C

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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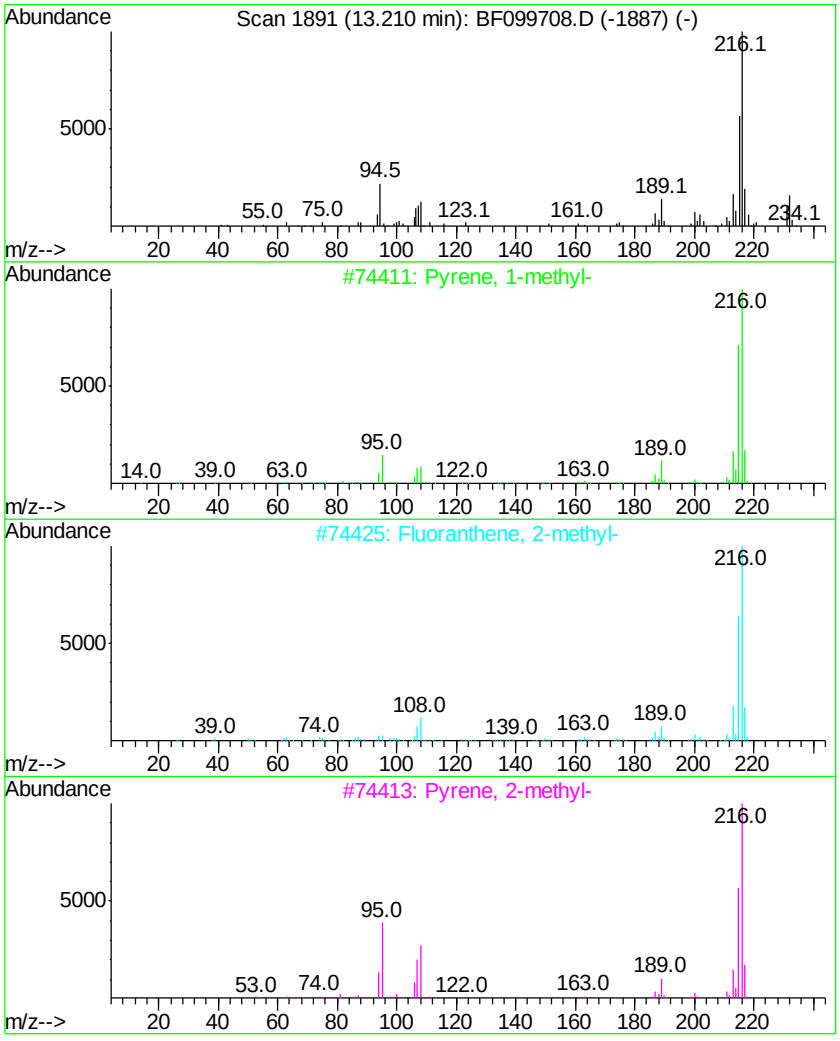
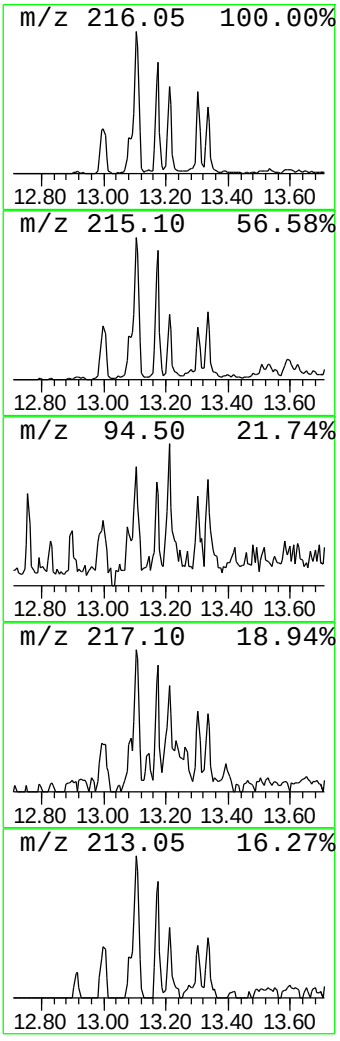
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	2.29 ng	106729	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





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Operator : SJ/JU
Sample : I5981-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-01-101817-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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TIC Library : C:\DATABASE\NIST11.L
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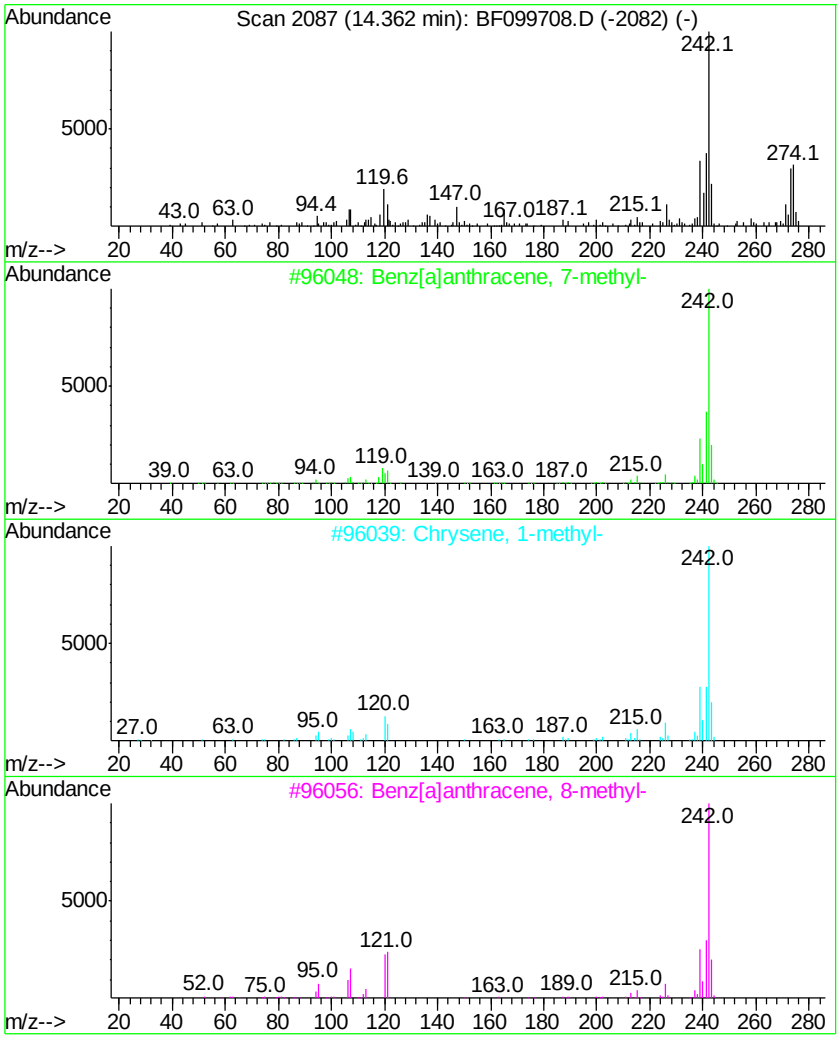
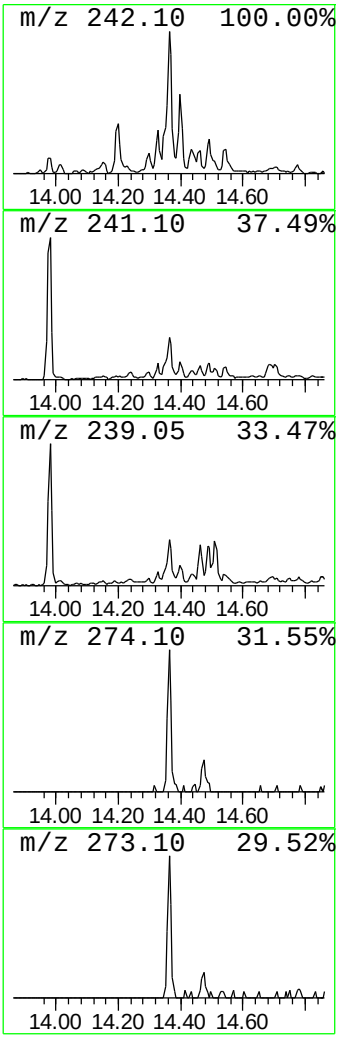
Peak Number 14 Benz[a]anthracene, 7-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	5.03 ng	234452	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	78
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	78
4	2-Methylchrysene	242	C19H14	003351-32-4	78
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	70





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Sample : I5981-07 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-01-101817-C

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
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TIC Library : C:\DATABASE\NIST11.L
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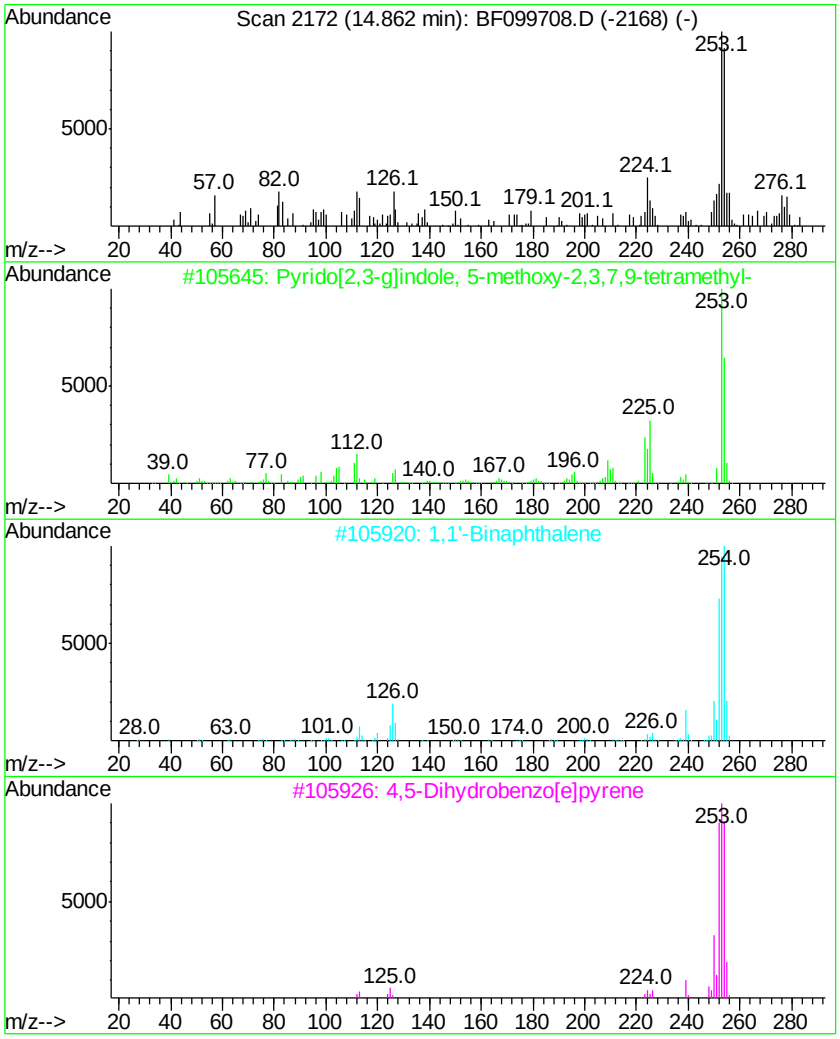
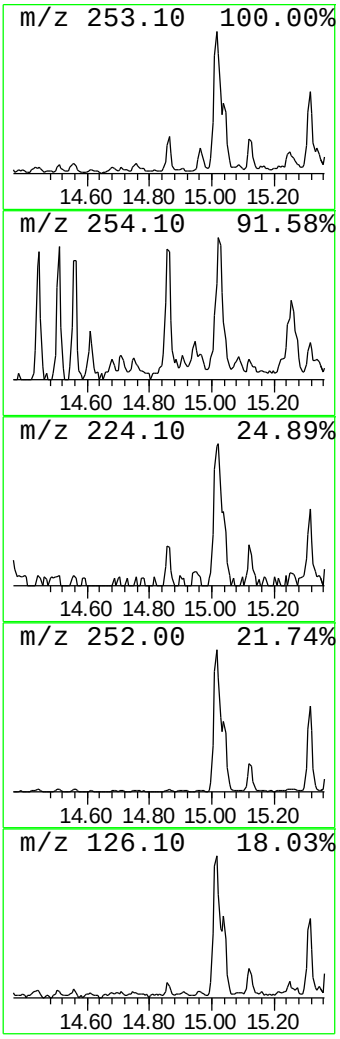
Peak Number 15 Pyrido[2,3-g]indole, 5-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	2.52 ng	63431	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	68
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
3	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64
4	4,4'-Biazulenyl	254	C20H14	094053-54-0	52
5	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	52





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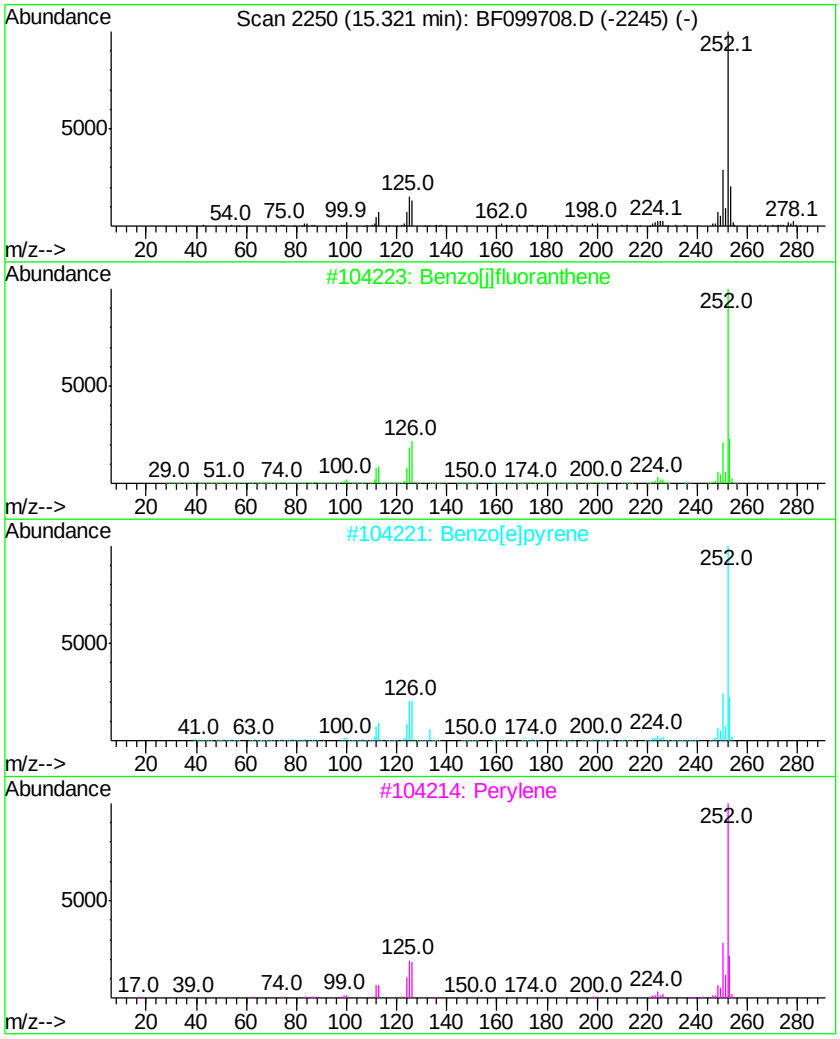
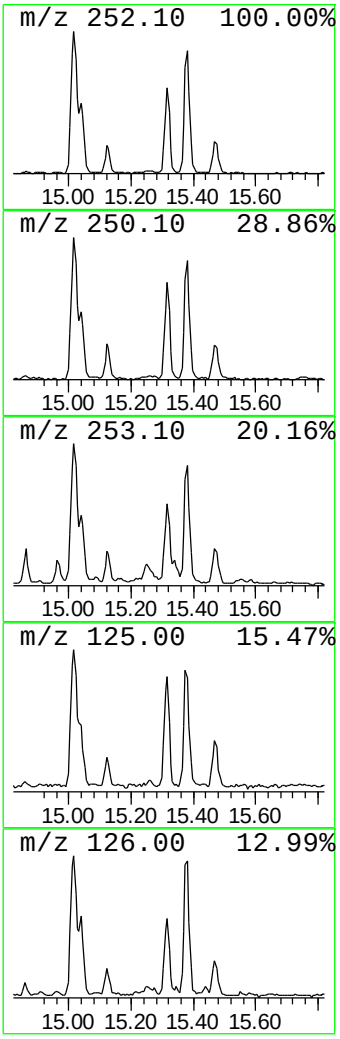
Peak Number 17 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	8.95 ng	225130	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Perylene	252	C20H12	000198-55-0	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





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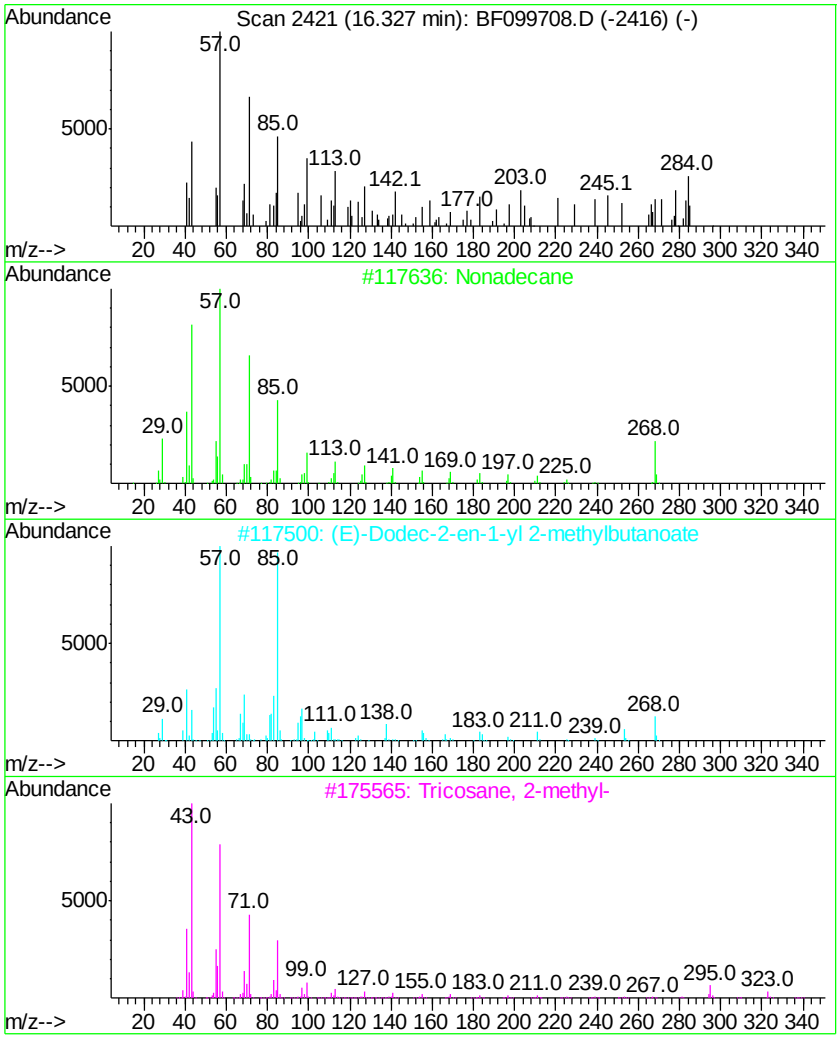
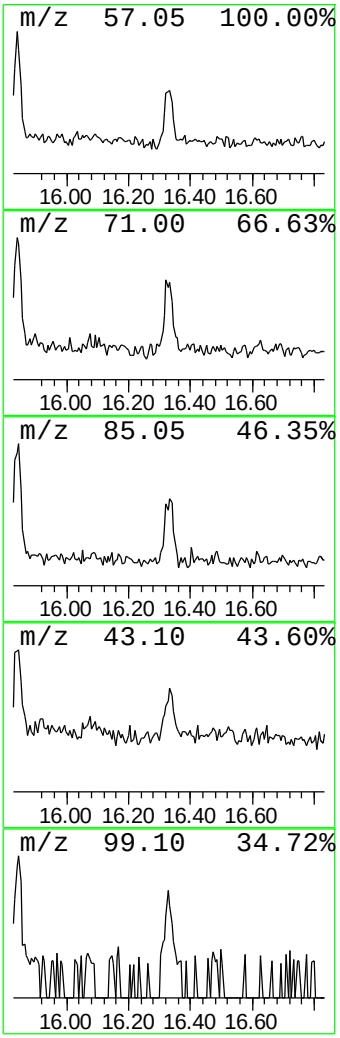
Peak Number 18 Nonadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	2.24 ng	56285	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	20
2	(E)-Dodec-2-en-1-yl 2-methylbuta...	268	C17H32O2	1000372-81-2	18
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	14
4	2-Acetoxy-1,1,10-trimethyl-6,9-e...	268	C15H24O4	108511-84-8	14
5	5-Butyl-5-ethylheptadecane	324	C23H48	1000360-43-0	14





Tentatively Identified Compound (LSC) summary

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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	6.7	ng	166819	1	6.81	494677	20.0
unknown6.59	6.59	10.8	ng	268066	1	6.81	494677	20.0
Naphthalene, 2,3-...	9.50	2.5	ng	75451	3	9.85	609029	20.0
Phenanthrene, 2-m...	11.83	3.3	ng	76938	4	11.33	469450	20.0
4H-Cyclopenta[def...	11.95	7.3	ng	172427	4	11.33	469450	20.0
Anthracene, 1-met...	11.97	2.3	ng	53068	4	11.33	469450	20.0
1,2,4,8-Tetrameth...	12.13	3.2	ng	75333	4	11.33	469450	20.0
9,10-Dimethylanth...	12.38	2.4	ng	56269	4	11.33	469450	20.0
11H-Benzo[b]fluorene	13.10	4.0	ng	184289	5	13.98	932738	20.0
Pyrene, 1-methyl-	13.21	2.3	ng	106729	5	13.98	932738	20.0
Benz[a]anthracene...	14.36	5.0	ng	234452	5	13.98	932738	20.0
Pyrido[2,3-g]indo...	14.86	2.5	ng	63431	6	15.44	503048	20.0
Benzo[j]fluoranthene	15.32	8.9	ng	225130	6	15.44	503048	20.0
Nonadecane	16.33	2.2	ng	56285	6	15.44	503048	20.0