LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099193.D
Acq On : 7 Oct 2017 14:42
Operator : SJ/JU
Sample : I5587-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G10-1.5-3

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	2.152	7	11	19	rVB	161978	215596	6.38%	0.323%
2	5.093	504	511	525	rBV	445573	679909	20.13%	1.017%
3	5.457	569	573	575	rBV	153359	157086	4.65%	0.235%
4	5.493	575	579	582	rVB	2797079	2800262	82.91%	4.189%
5	5.716	613	617	620	rBV	154382	164727	4.88%	0.246%
6	6.504	745	751	754	rVV	2692824	3049883	90.30%	4.563%
7	6.640	769	774	777	rBV	3117118	3020375	89.42%	4.518%
8	6.687	779	782	786	rBV2	248775	243388	7.21%	0.364%
9	6.863	809	812	815	rBV	1045517	848237	25.11%	1.269%
10	7.022	834	839	842	rBV	2763547	2424174	71.77%	3.627%
11	7.428	904	908	911	rVV	1850236	2022418	59.88%	3.026%
12	8.116	1022	1025	1027	rBV	208467	177294	5.25%	0.265%
13	8.145	1027	1030	1032	rVV	1289417	1081986	32.03%	1.619%
14	8.163	1032	1033	1036	rVV	412451	326977	9.68%	0.489%
15	8.557	1097	1100	1102	rVV	289028	236836	7.01%	0.354%
16	8.728	1126	1129	1132	rBV	253544	182990	5.42%	0.274%
17	8.857	1148	1151	1154	rVB	592087	439336	13.01%	0.657%
18	8.957	1164	1168	1171	rBV	491729	393400	11.65%	0.589%
19	9.222	1208	1213	1216	rBV	3625474	3377647	100.00%	5.053%
20	9.292	1221	1225	1227	rBV	289822	233148	6.90%	0.349%
21	9.486	1254	1258	1261	rVV	193057	234925	6.96%	0.351%
22	9.557	1267	1270	1272	rVV	350724	352807	10.45%	0.528%
23	9.581	1272	1274	1276	rVV	303990	254536	7.54%	0.381%
24	9.610	1276	1279	1286	rVB	844151	802164	23.75%	1.200%
25	9.675	1286	1290	1291	rBV	224031	195896	5.80%	0.293%
26	9.757	1302	1304	1308	rVB	355348	307667	9.11%	0.460%
27	9.822	1308	1315	1317	rBV	303267	266902	7.90%	0.399%
28	9.875	1321	1324	1326	rVV	142376	153463	4.54%	0.230%
29	9.898	1326	1328	1331	rVV2	1157855	988631	29.27%	1.479%
30	9.934	1331	1334	1337	rVB	159434	149222	4.42%	0.223%
31	10.051	1349	1354	1357	rBV5	105311	168004	4.97%	0.251%
32	10.098	1357	1362	1366	rVV2	294443	353878	10.48%	0.529%
33	10.139	1366	1369	1373	rVV2	200491	190703	5.65%	0.285%
34	10.210	1378	1381	1384	rBV	154097	160262	4.74%	0.240%

LSC Area Percent Report

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Acq On : 7 Oct 2017 14:42
Operator : SJ/JU
Sample : I5587-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G10-1.5-3

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	10.304	1392	1397	1398	rBV2	221051	242619	7.18%	0.363%
36	10.322	1398	1400	1403	rVB	404793	292269	8.65%	0.437%
37	10.439	1417	1420	1427	rVB3	233024	299771	8.88%	0.448%
38	10.539	1433	1437	1439	rVV2	154039	194014	5.74%	0.290%
39	10.604	1443	1448	1451	rVV2	163034	204741	6.06%	0.306%
40	10.692	1459	1463	1466	rVV	1499435	1527166	45.21%	2.285%
41	10.804	1477	1482	1489	rVB3	560436	863824	25.57%	1.292%
42	10.992	1508	1514	1516	rBV4	86698	150372	4.45%	0.225%
43	11.122	1532	1536	1538	rBV2	156676	202797	6.00%	0.303%
44	11.192	1545	1548	1551	rBV2	203197	183892	5.44%	0.275%
45	11.239	1552	1556	1559	rVV2	425658	408739	12.10%	0.611%
46	11.280	1559	1563	1568	rVB2	161105	253010	7.49%	0.379%
47	11.386	1578	1581	1583	rBV	926636	846016	25.05%	1.266%
48	11.416	1583	1586	1589	rVV	1707833	1565140	46.34%	2.341%
49	11.463	1591	1594	1596	rVV	503833	414769	12.28%	0.620%
50	11.592	1614	1616	1618	rVV	132995	144181	4.27%	0.216%
51	11.616	1618	1620	1625	rVV	334896	354173	10.49%	0.530%
52	11.669	1626	1629	1634	rVV2	335235	363118	10.75%	0.543%
53	11.716	1634	1637	1642	rVB2	124045	142624	4.22%	0.213%
54	11.886	1663	1666	1668	rBV	320379	274733	8.13%	0.411%
55	11.916	1668	1671	1674	rVV	542885	529749	15.68%	0.793%
56	11.998	1682	1685	1687	rVV2	456921	476662	14.11%	0.713%
57	12.022	1687	1689	1692	rVB	263914	212862	6.30%	0.318%
58	12.075	1695	1698	1700	rBV	311462	261006	7.73%	0.390%
59	12.180	1713	1716	1719	rVV	278352	254718	7.54%	0.381%
60	12.210	1719	1721	1727	rVB	280817	241806	7.16%	0.362%
61	12.333	1737	1742	1744	rBV2	122915	160669	4.76%	0.240%
62	12.363	1744	1747	1749	rVV2	141243	139378	4.13%	0.209%
63	12.439	1756	1760	1762	rVV	278038	310917	9.21%	0.465%
64	12.463	1762	1764	1768	rVV3	324137	357790	10.59%	0.535%
65	12.527	1772	1775	1779	rVV	223592	233263	6.91%	0.349%
66	12.610	1784	1789	1792	rBV	2823223	2817823	83.43%	4.215%
67	12.839	1821	1828	1829	rBV2	2518002	2922104	86.51%	4.371%
68	12.857	1829	1831	1833	rVV	1616670	1343814	39.79%	2.010%
69	12.880	1833	1835	1840	rVB2	223833	253887	7.52%	0.380%
70	12.974	1844	1851	1857	rVB	2192637	2399132	71.03%	3.589%
71	13.045	1859	1863	1867	rBV3	211120	339308	10.05%	0.508%

LSC Area Percent Report

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Sample : I5587-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G10-1.5-3

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	13.133	1875	1878	1880	rBV3	219302	270917	8.02%	0.405%
73	13.157	1880	1882	1885	rVB	330478	310851	9.20%	0.465%
74	13.186	1885	1887	1891	rBV3	147887	161290	4.78%	0.241%
75	13.222	1891	1893	1896	rVV	180554	159288	4.72%	0.238%
76	13.263	1896	1900	1903	rVB2	240890	268093	7.94%	0.401%
77	13.386	1918	1921	1924	rBV	139436	138094	4.09%	0.207%
78	13.533	1943	1946	1948	rBV2	161881	156383	4.63%	0.234%
79	13.669	1966	1969	1974	rVB	344216	330724	9.79%	0.495%
80	13.780	1984	1988	1990	rBV	363384	393199	11.64%	0.588%
81	13.804	1990	1992	1994	rVV	250318	209245	6.19%	0.313%
82	13.833	1994	1997	1999	rVV	256223	308803	9.14%	0.462%
83	13.857	1999	2001	2003	rVV	249707	270858	8.02%	0.405%
84	13.874	2003	2004	2008	rVB	306815	243456	7.21%	0.364%
85	14.027	2023	2030	2033	rBV2	1615123	2614511	77.41%	3.911%
86	14.063	2033	2036	2043	rVB	1568664	1608295	47.62%	2.406%
87	14.257	2065	2069	2072	rBV2	157893	214215	6.34%	0.320%
88	14.380	2087	2090	2092	rBV2	125376	136729	4.05%	0.205%
89	14.416	2094	2096	2099	rVV	303960	235964	6.99%	0.353%
90	14.451	2099	2102	2105	rVV2	170273	198855	5.89%	0.297%
91	14.480	2105	2107	2111	rVV3	136814	179002	5.30%	0.268%
92	15.086	2204	2210	2213	rBV	1446706	2553312	75.59%	3.820%
93	15.186	2224	2227	2232	rBV	321895	347261	10.28%	0.520%
94	15.392	2257	2262	2267	rVB	904594	1248554	36.97%	1.868%
95	15.457	2268	2273	2277	rVV	1131947	1396068	41.33%	2.089%
96	15.510	2278	2282	2285	rVV2	520467	737366	21.83%	1.103%
97	15.545	2285	2288	2298	rVB	425836	567089	16.79%	0.848%
98	15.945	2352	2356	2361	rVB2	161252	243652	7.21%	0.365%
99	17.009	2530	2537	2553	rVB2	590295	1515017	44.85%	2.266%
100	17.462	2607	2614	2621	rVB	467009	990305	29.32%	1.481%

Sum of corrected areas: 66844981

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099193.D
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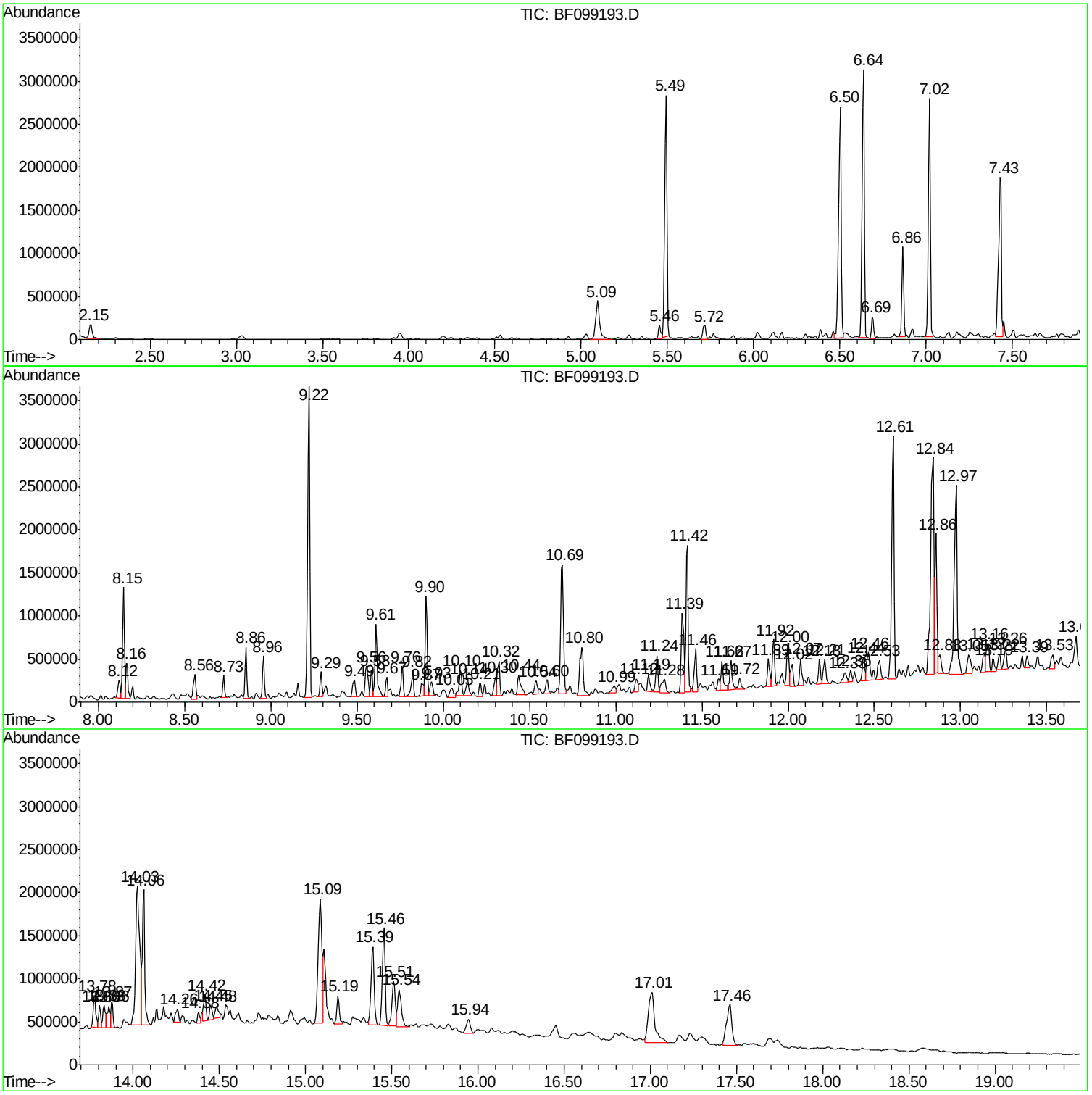
Operator : SJ/JU
Sample : I5587-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G10-1.5-3

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\BF100717\
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Instrument : BNA_F
ClientSampleId : G10-1.5-3

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

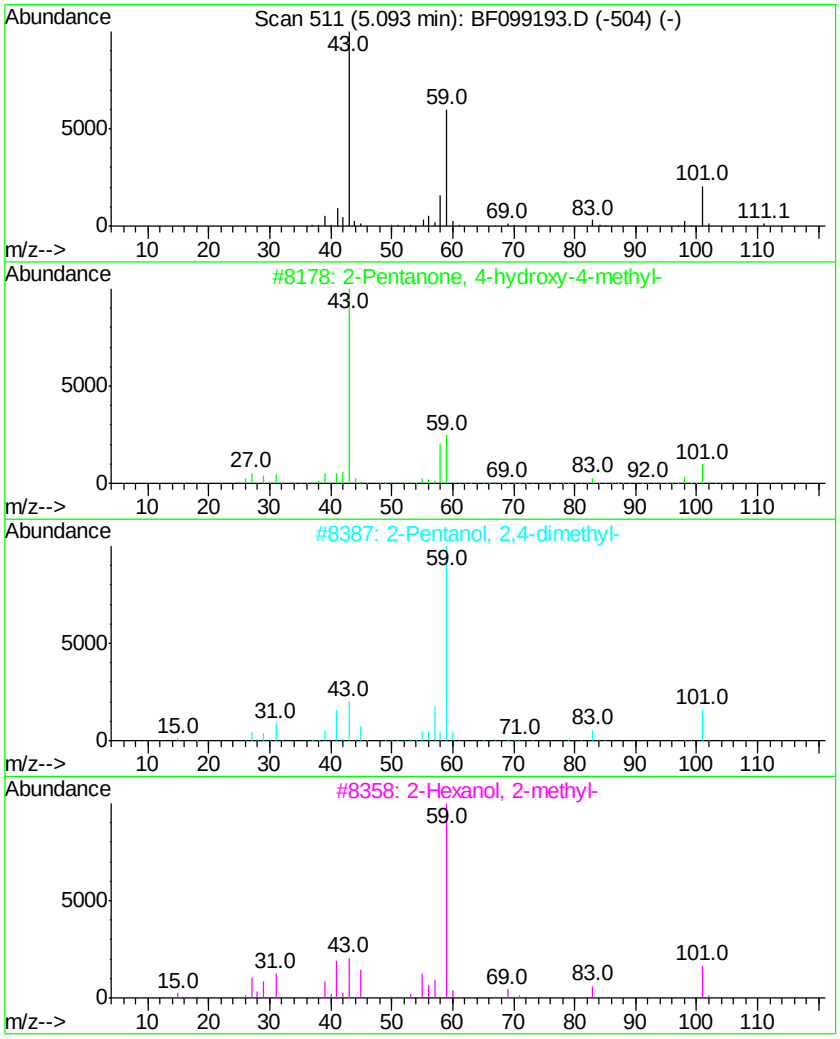
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

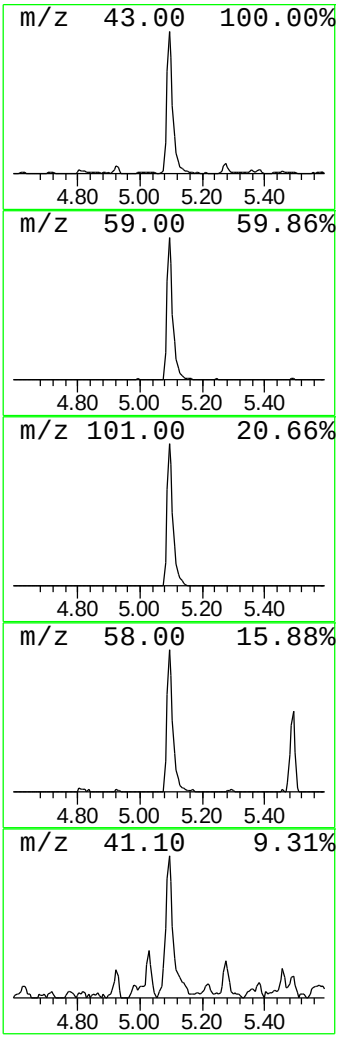
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	16.03 ng	679909	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-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	38
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	23
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
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Sample : I5587-07
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Instrument : BNA_F
ClientSampleId : G10-1.5-3

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

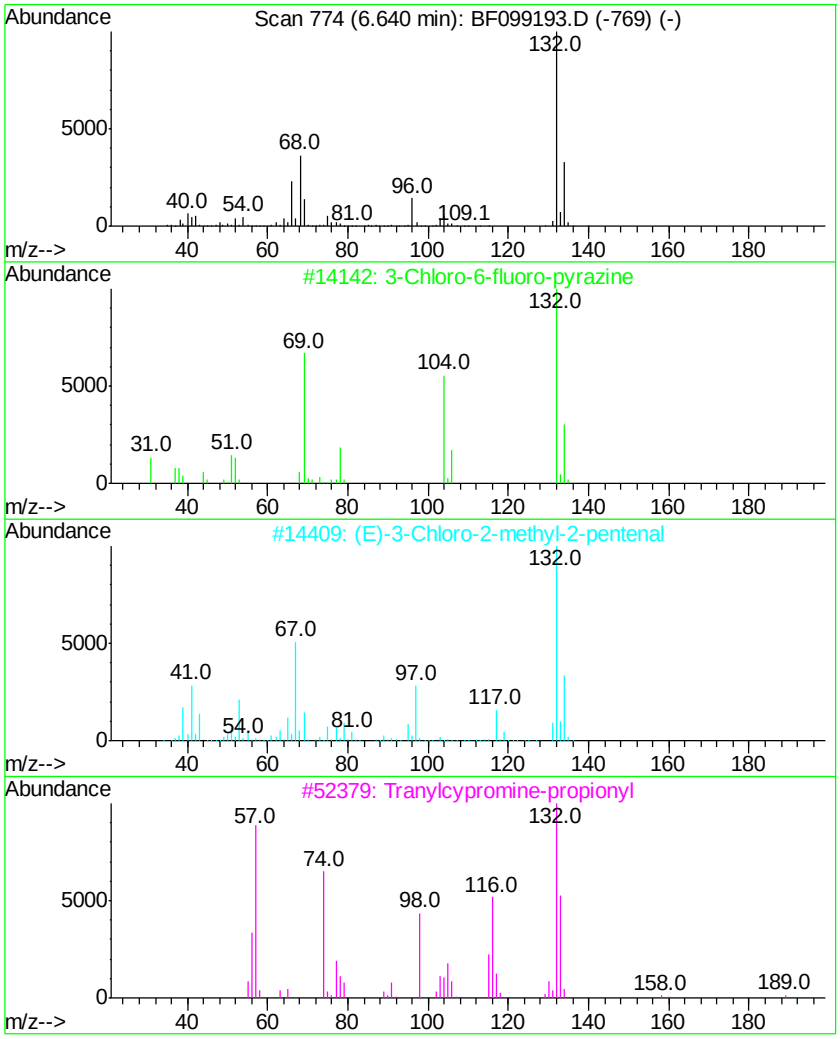
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

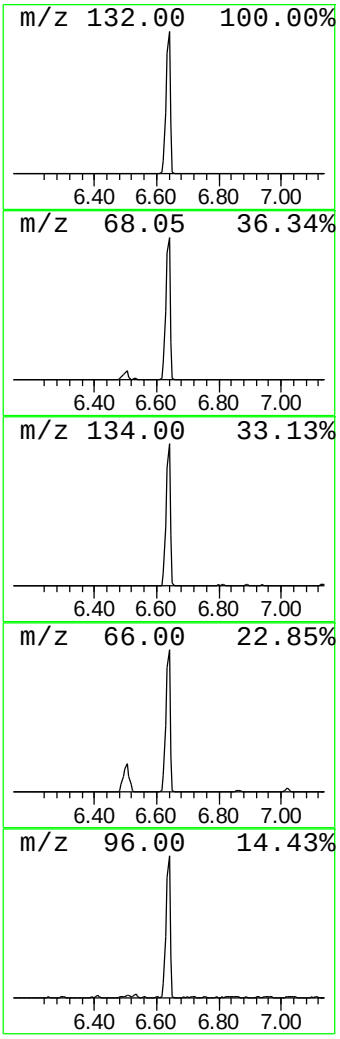
****

Peak Number 2 unknown6.64 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	71.22 ng	3020380	1,4-Dichlorobenzene-d4	6.86

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	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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Instrument : BNA_F
ClientSampleId : G10-1.5-3

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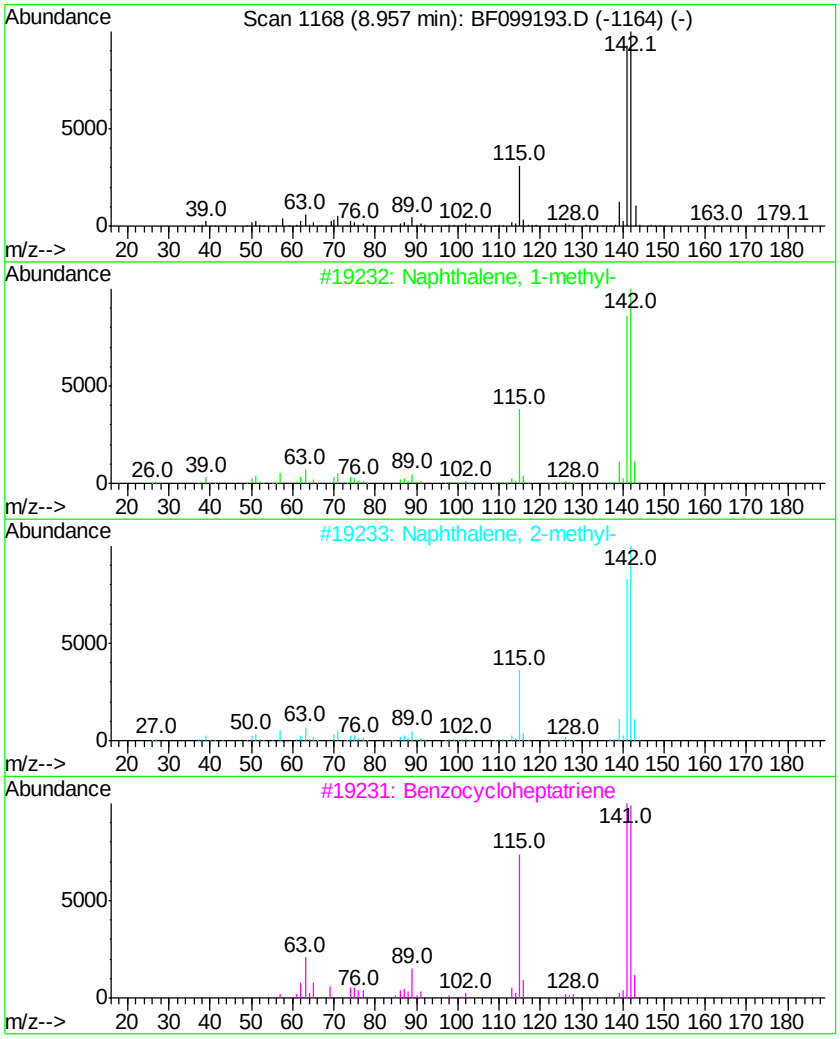
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

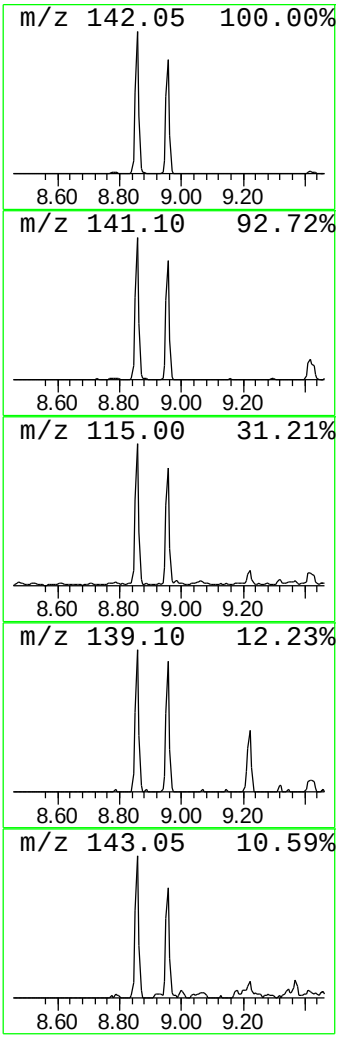
****

Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	7.27 ng	393400	Naphthalene-d8	8.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099193.D
Acq On : 7 Oct 2017 14:42
Operator : SJ/JU
Sample : I5587-07
Misc :
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Instrument : BNA_F
ClientSampleId : G10-1.5-3

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

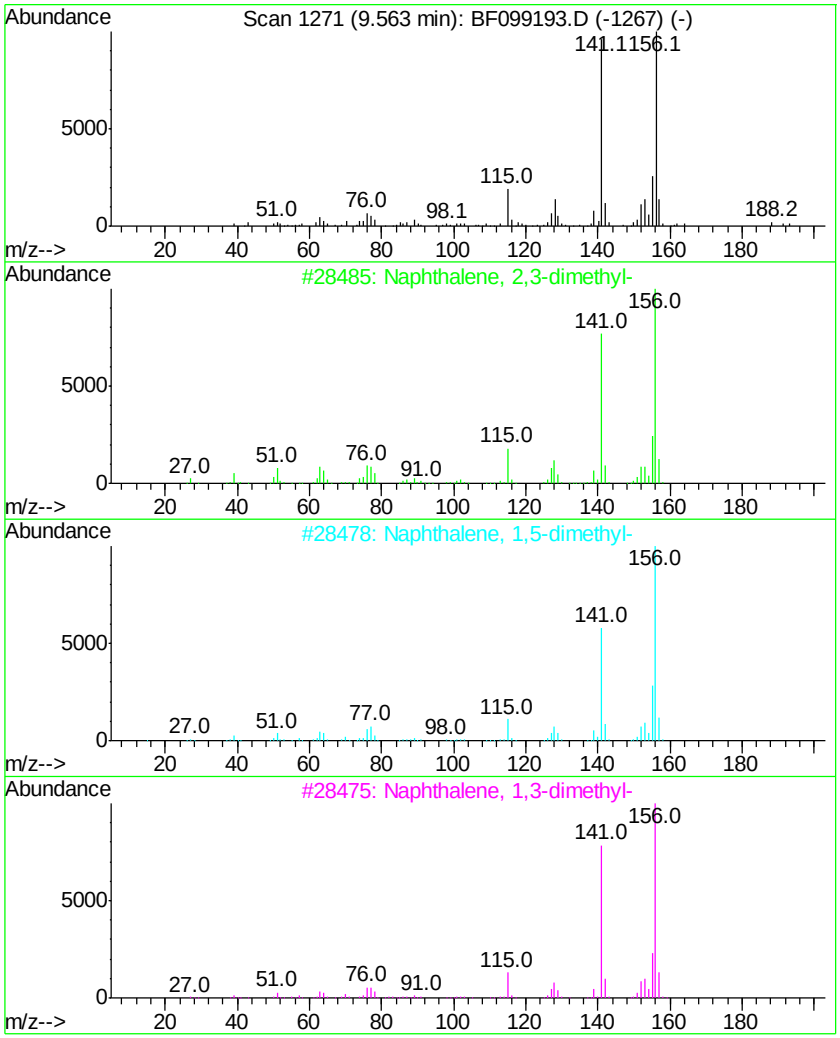
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

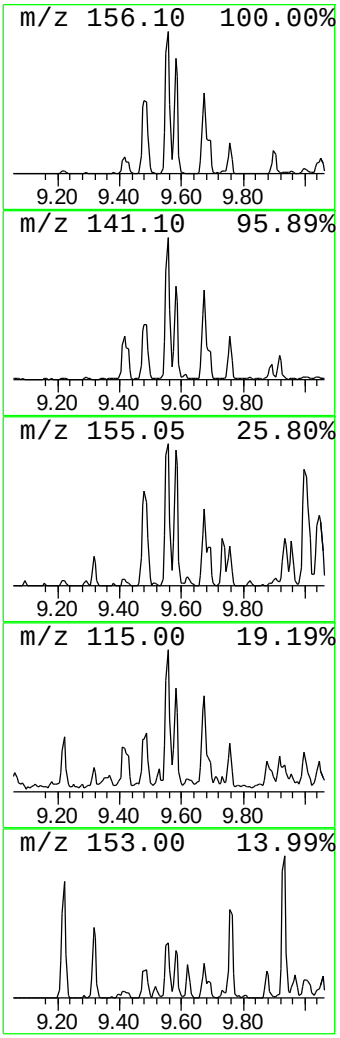
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	7.14 ng	352807	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
Data File : BF099193.D
Acq On : 7 Oct 2017 14:42
Operator : SJ/JU
Sample : I5587-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G10-1.5-3

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

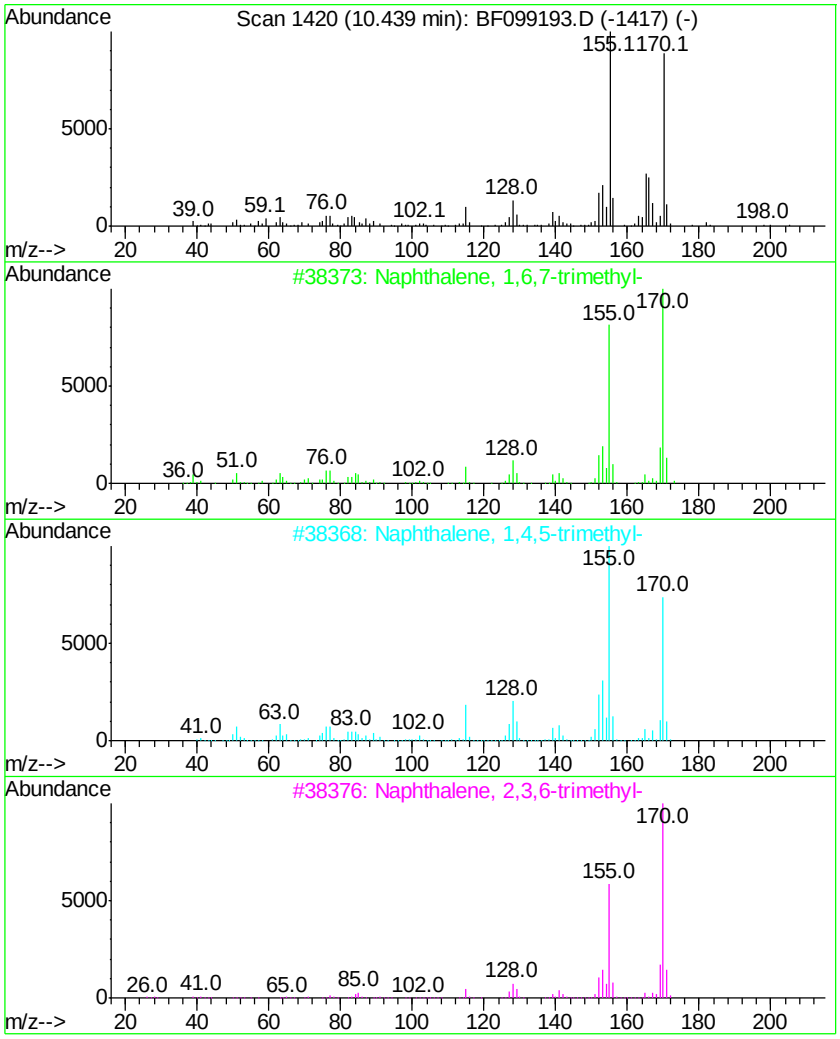
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

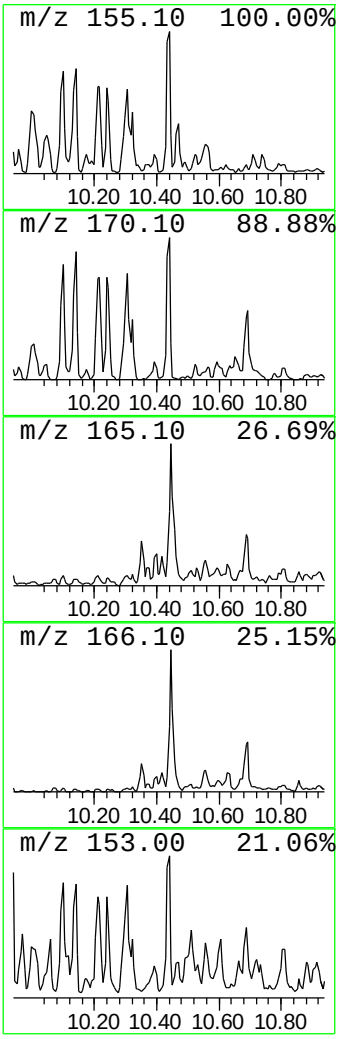
****

Peak Number 6 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	6.06 ng	299771	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	90
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	81
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	68





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Acq On : 7 Oct 2017 14:42
Operator : SJ/JU
Sample : I5587-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G10-1.5-3

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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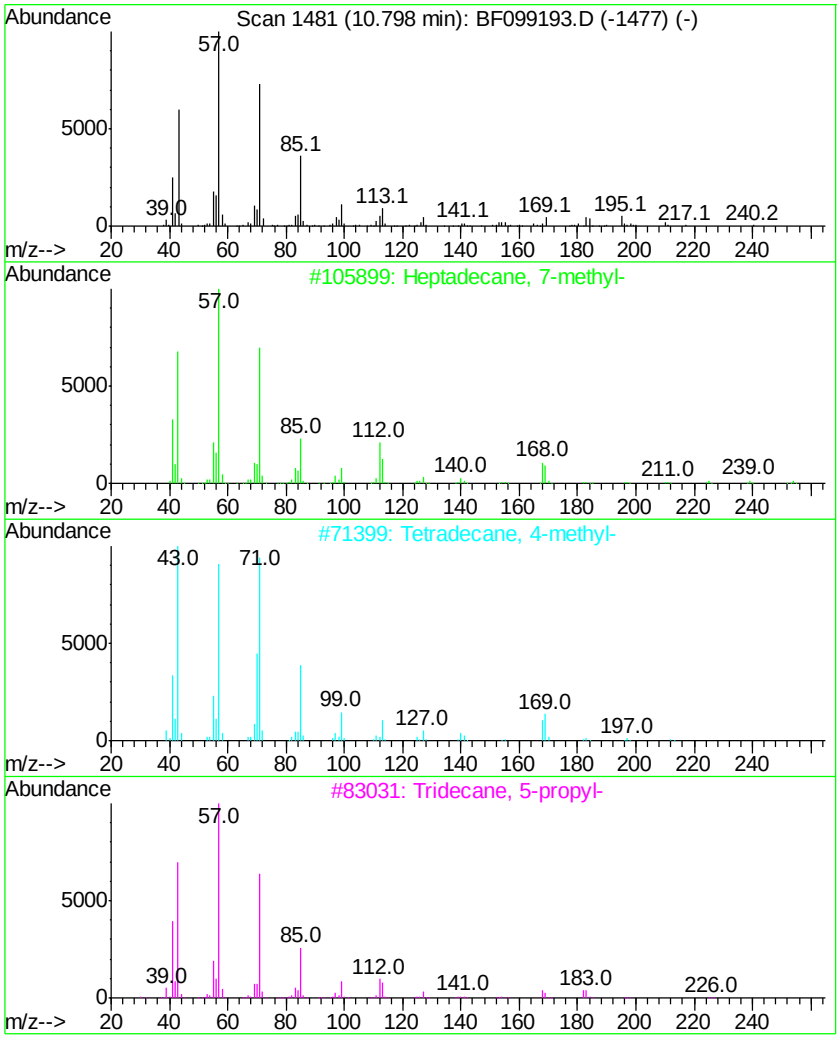
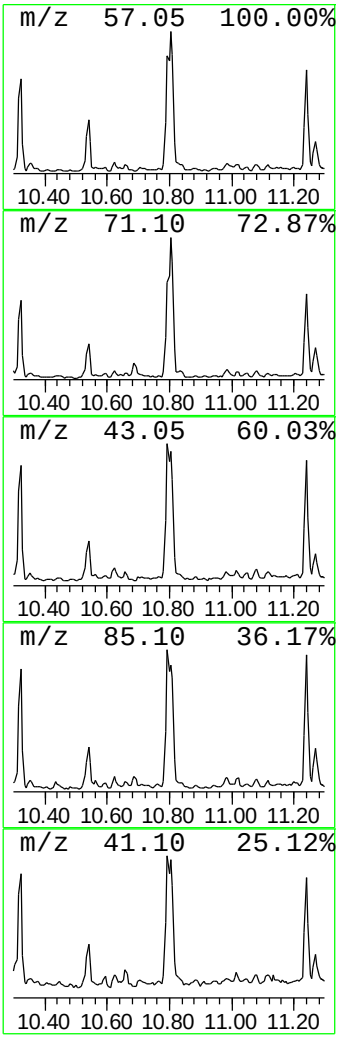
Peak Number 7 Heptadecane, 7-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	20.42 ng	863824	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	86
2	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	86
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	80
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72





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Sample : I5587-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G10-1.5-3

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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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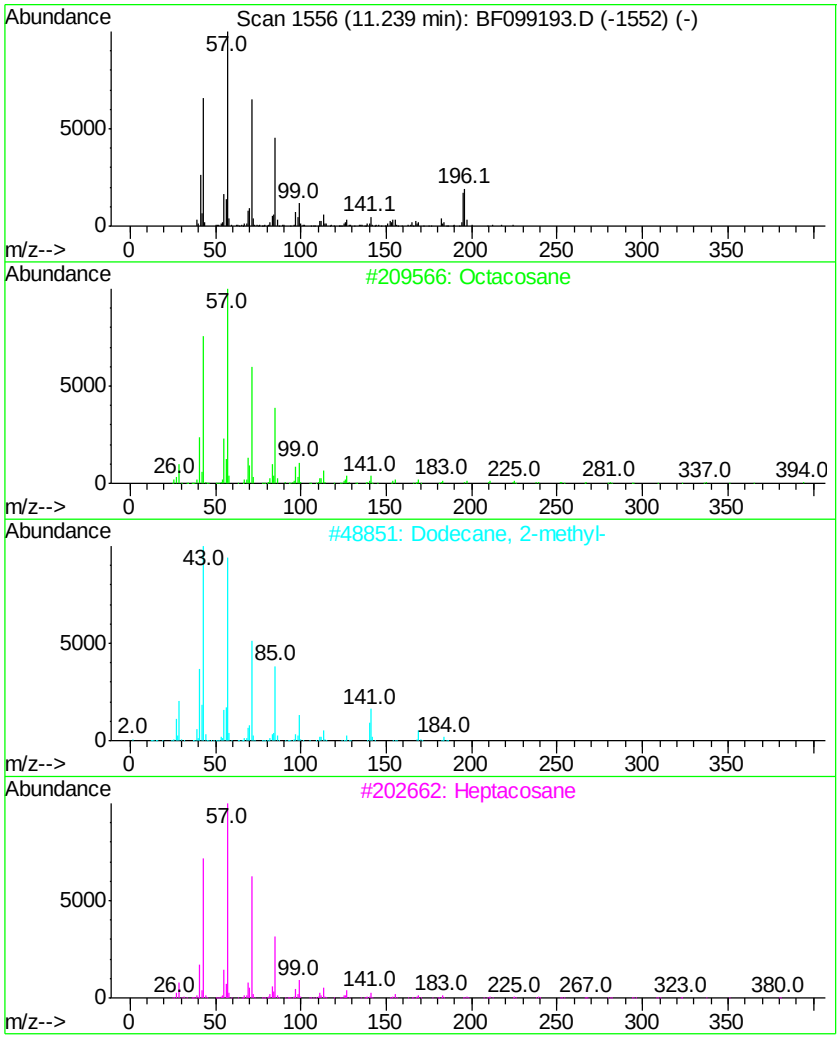
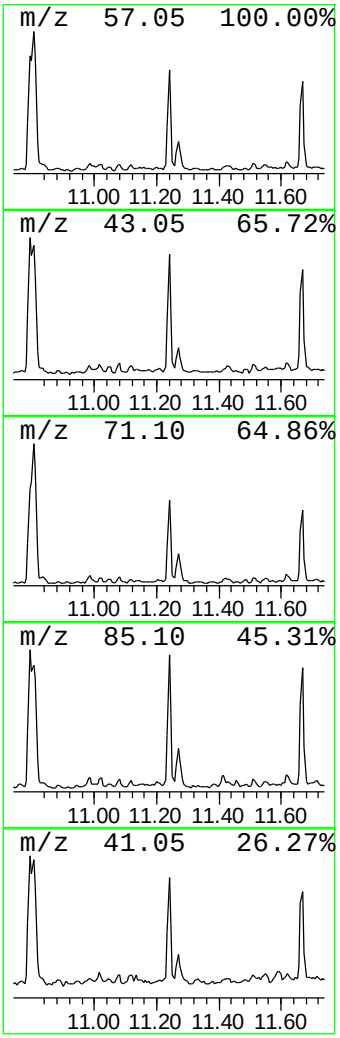
Peak Number 8 Octacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	9.66 ng	408739	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	62
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	62
3	Heptacosane	380	C27H56	000593-49-7	62
4	Hexadecane	226	C16H34	000544-76-3	62
5	Tetradecane	198	C14H30	000629-59-4	62





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G10-1.5-3

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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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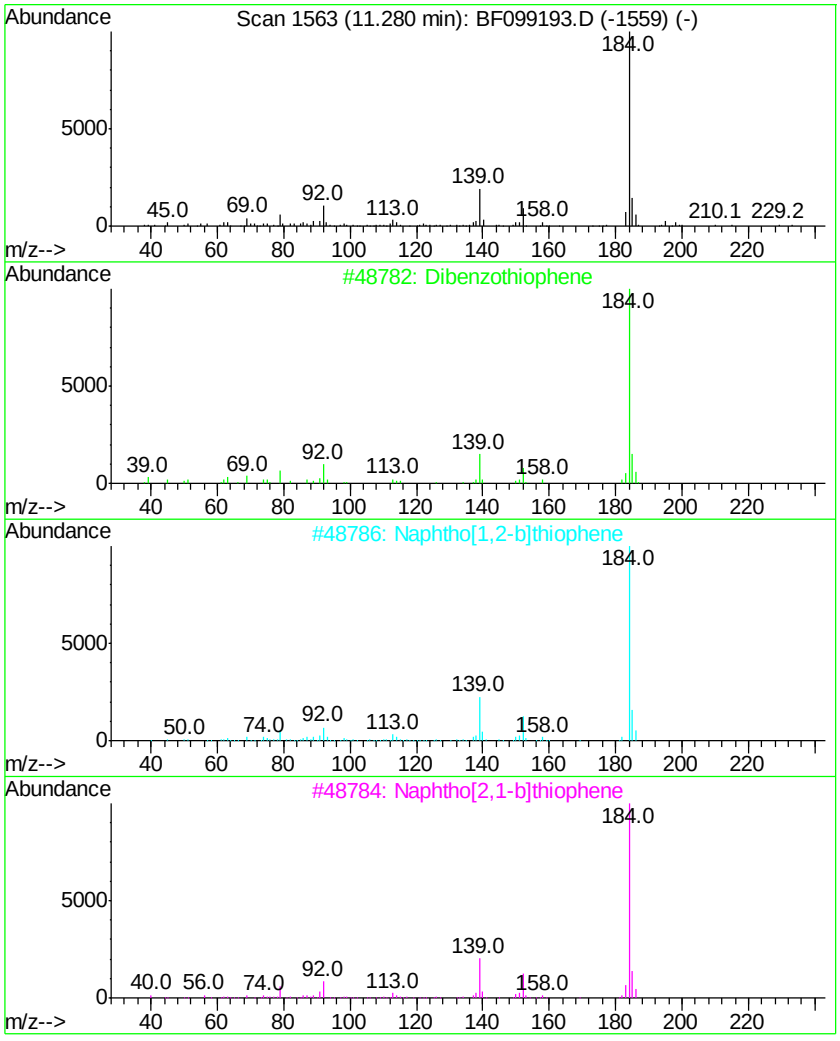
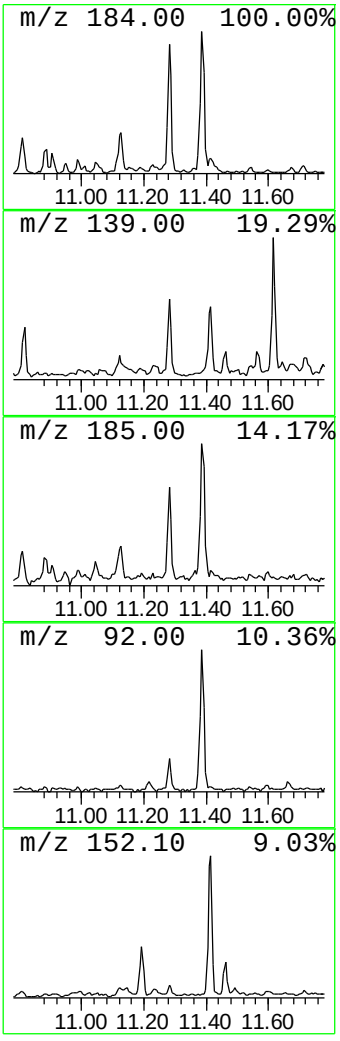
Peak Number 9 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	5.98 ng	253010	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Operator : SJ/JU
Sample : I5587-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G10-1.5-3

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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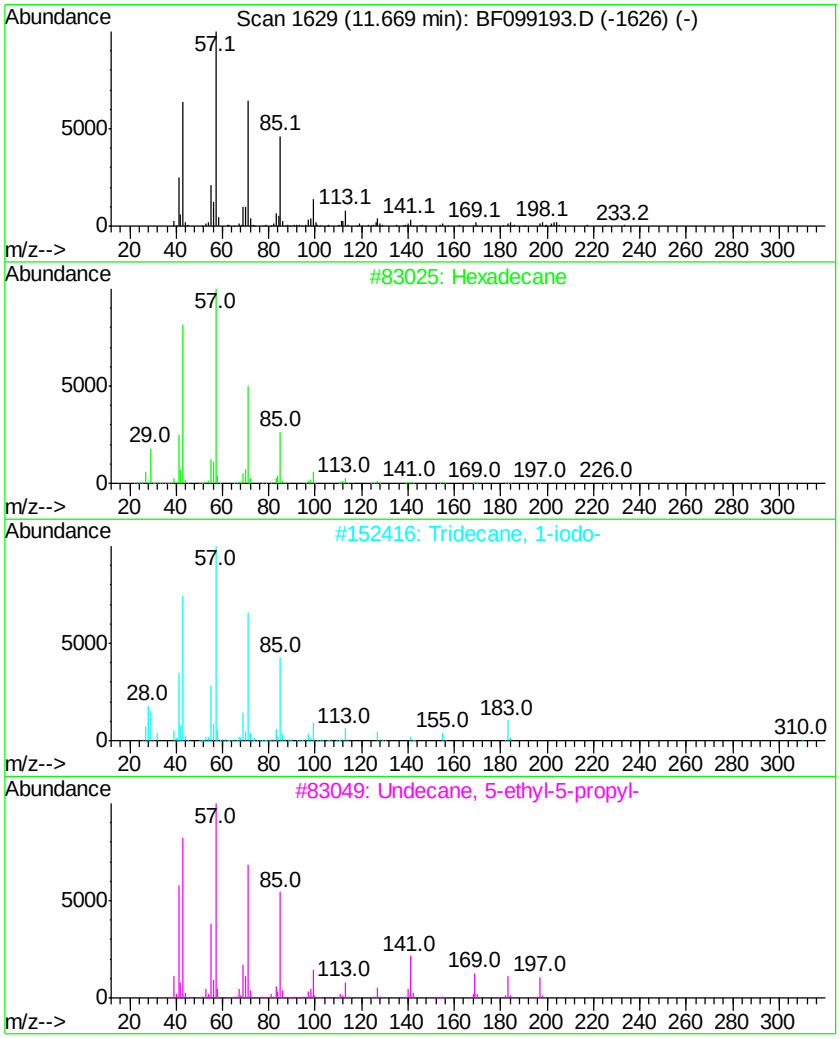
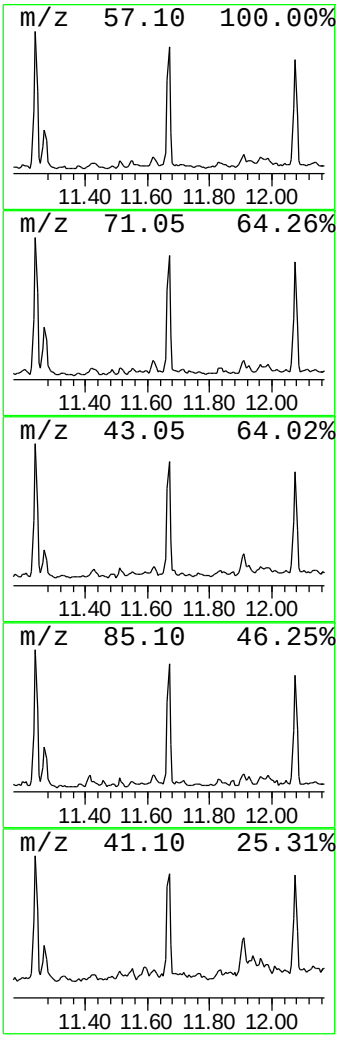
Peak Number 10 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	8.58 ng	363118	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
3	Undecane, 5-ethyl-5-propyl-	226	C16H34	002755-07-9	90
4	Tetradecane	198	C14H30	000629-59-4	86
5	Octadecane	254	C18H38	000593-45-3	83





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Instrument : BNA_F
ClientSampleId : G10-1.5-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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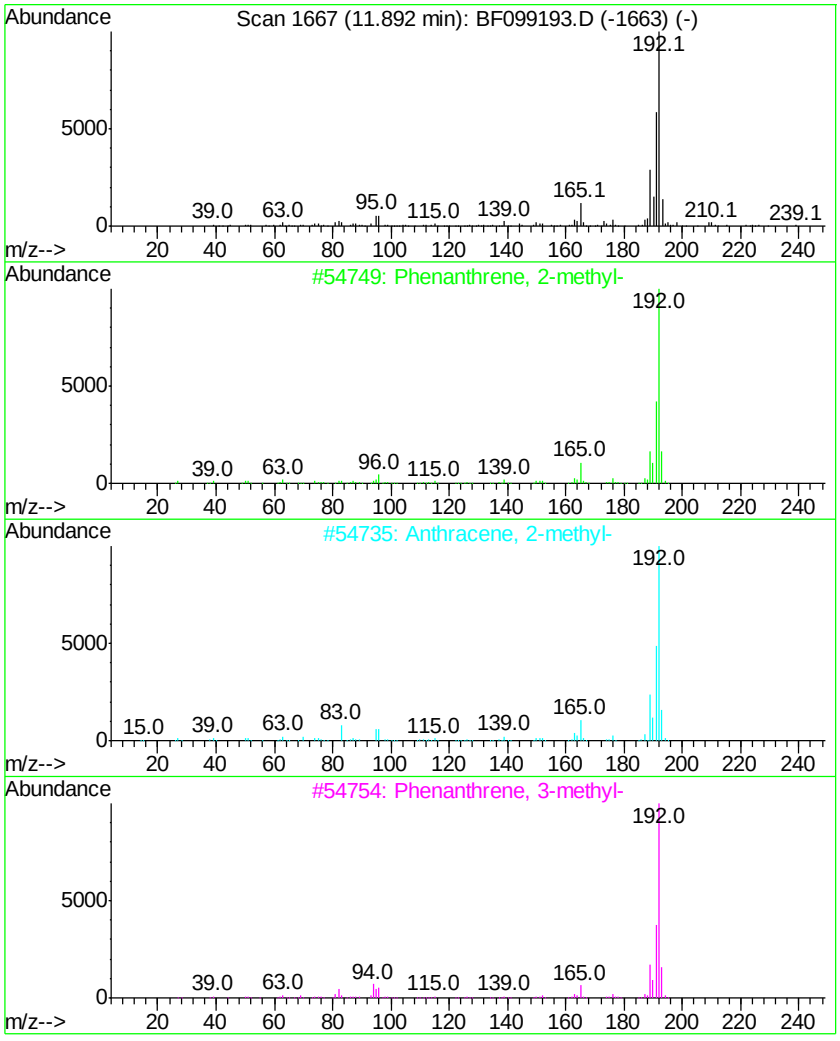
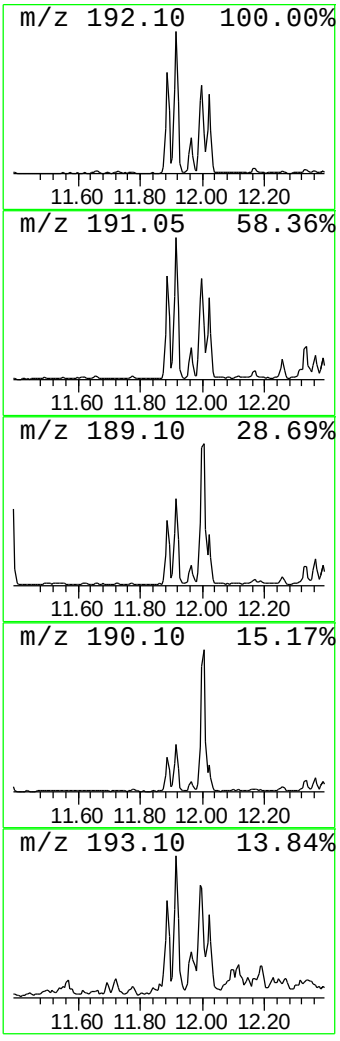
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.49 ng	274733	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81





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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G10-1.5-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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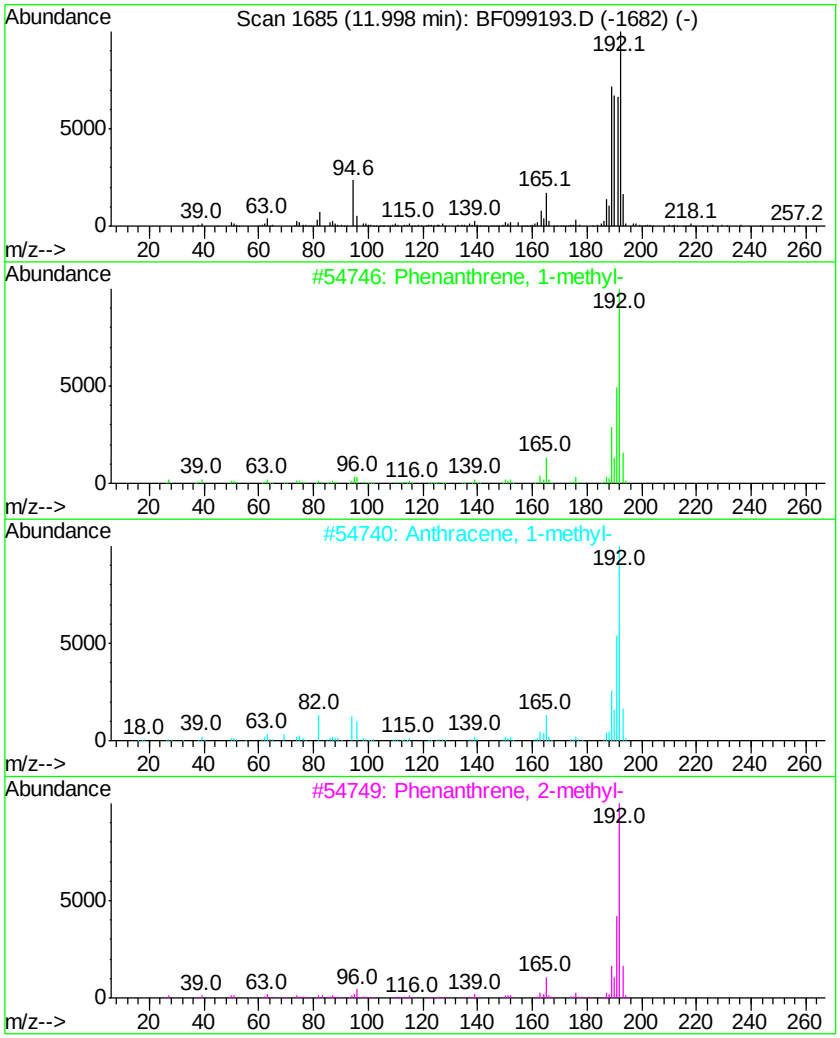
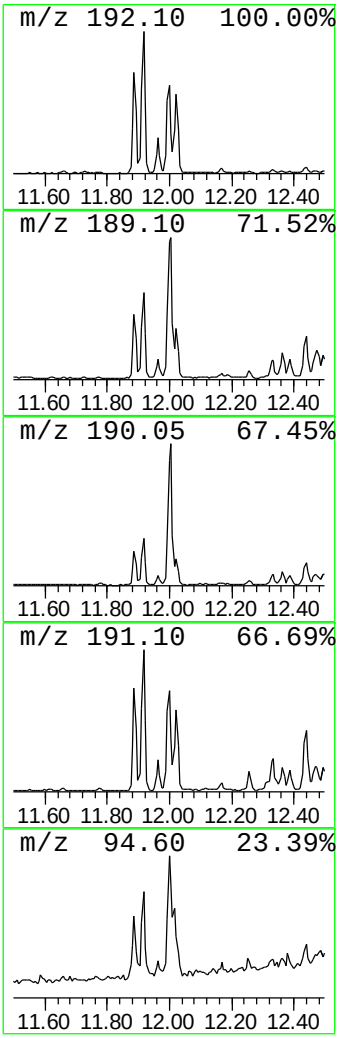
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	11.27 ng	476662	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60





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Operator : SJ/JU
Sample : I5587-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G10-1.5-3

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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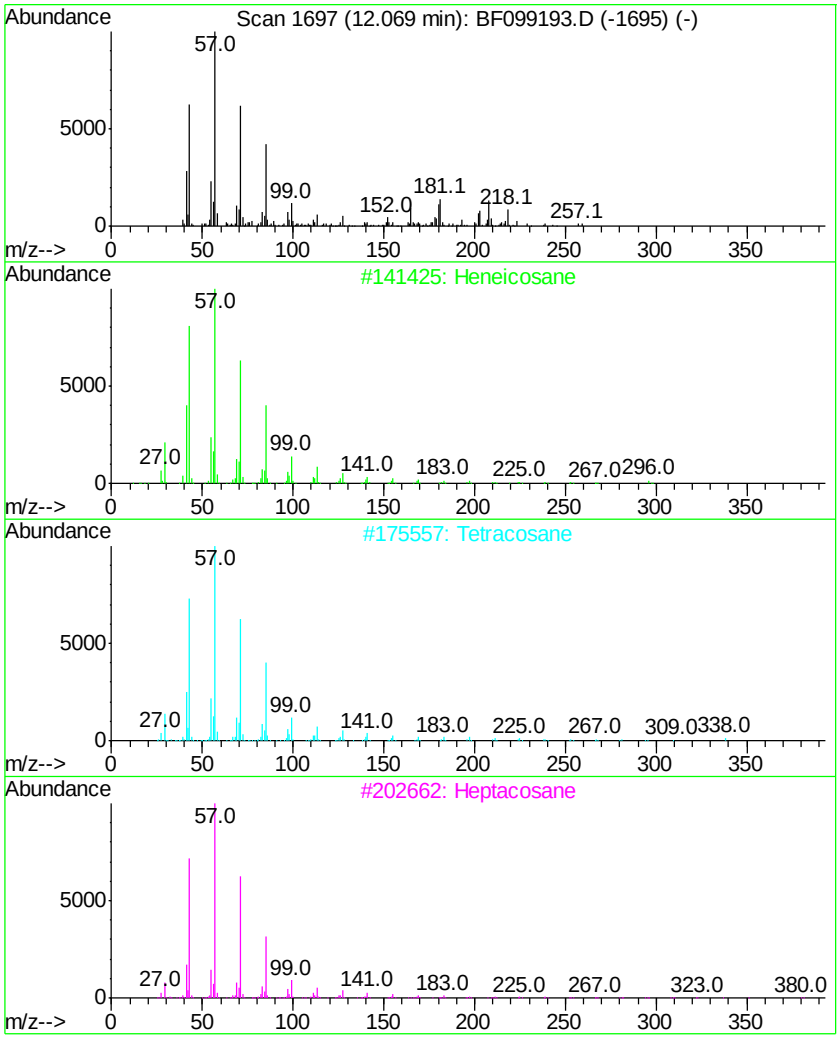
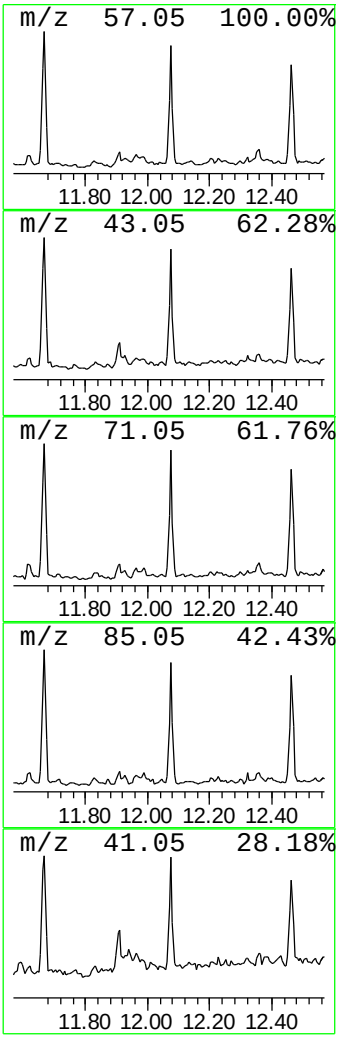
Peak Number 14 Heneicosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	6.17 ng	261006	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	87
2	Tetracosane	338	C24H50	000646-31-1	87
3	Heptacosane	380	C27H56	000593-49-7	87
4	Octadecane	254	C18H38	000593-45-3	86
5	Docosane	310	C22H46	000629-97-0	86





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Sample : I5587-07
Misc :
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Instrument : BNA_F
ClientSampleId : G10-1.5-3

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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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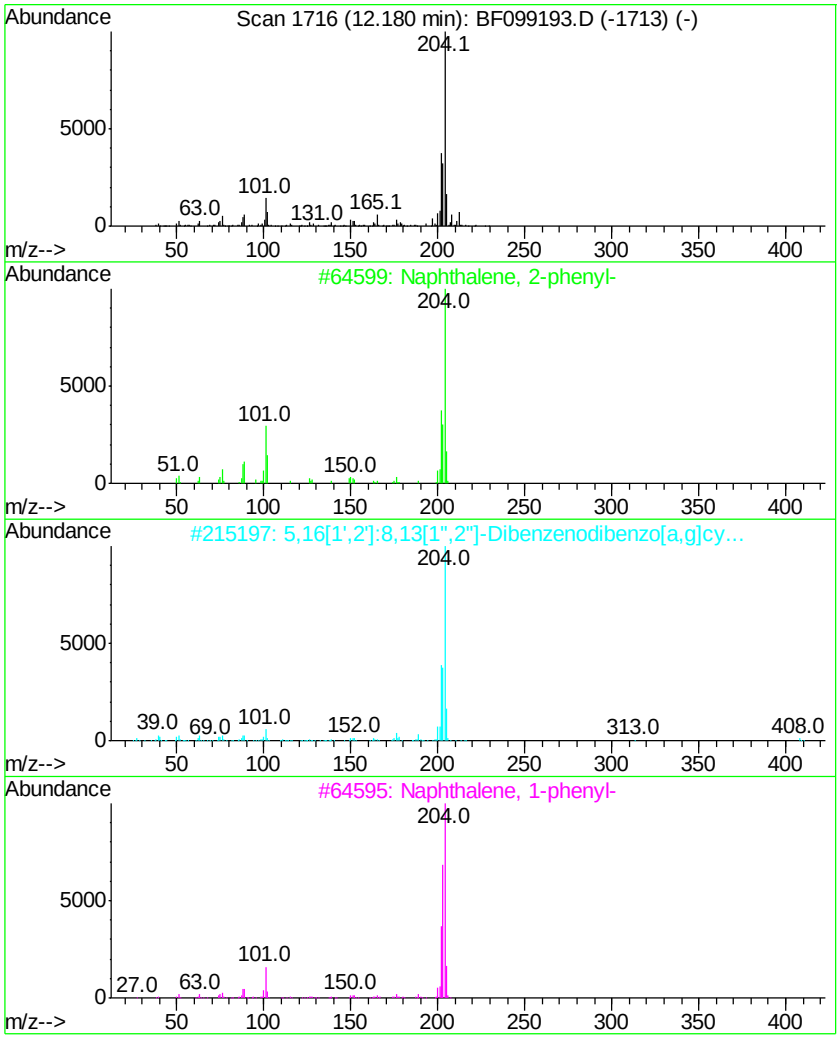
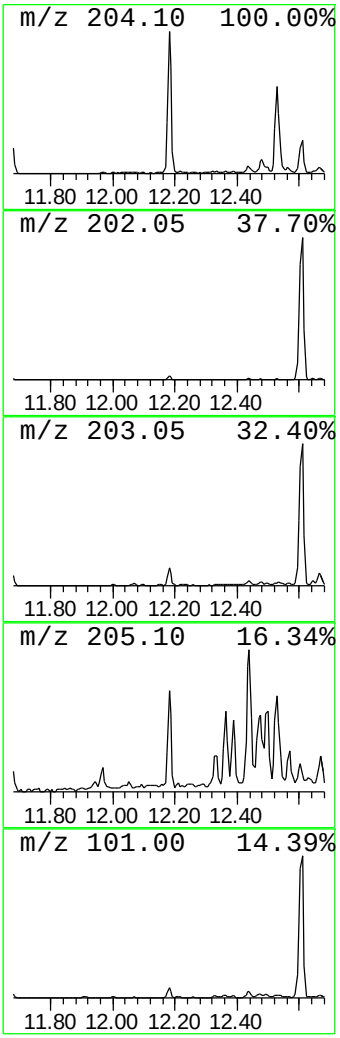
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	6.02 ng	254718	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





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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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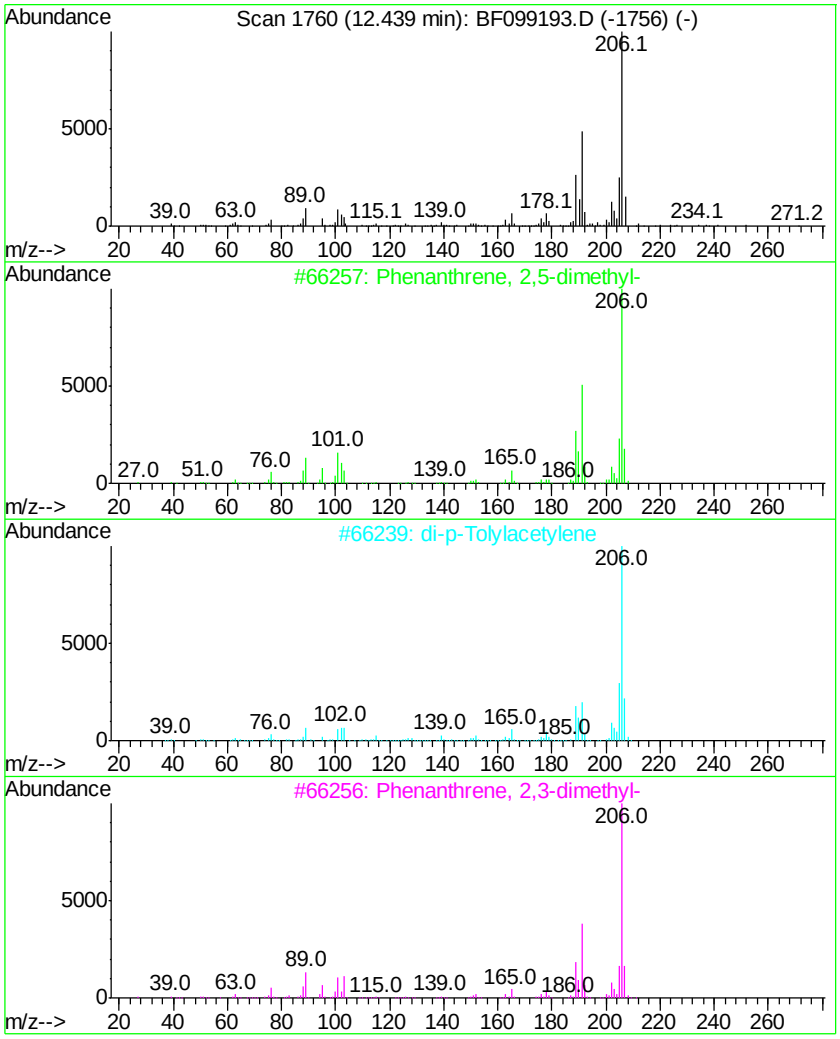
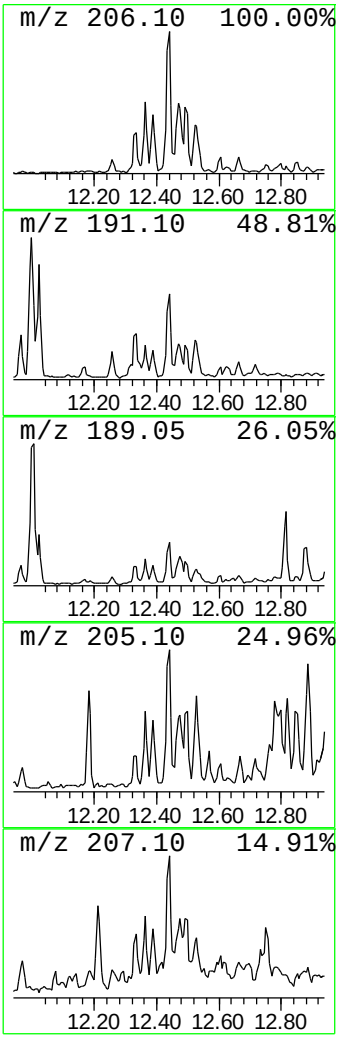
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	7.35 ng	310917	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Sample : I5587-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G10-1.5-3

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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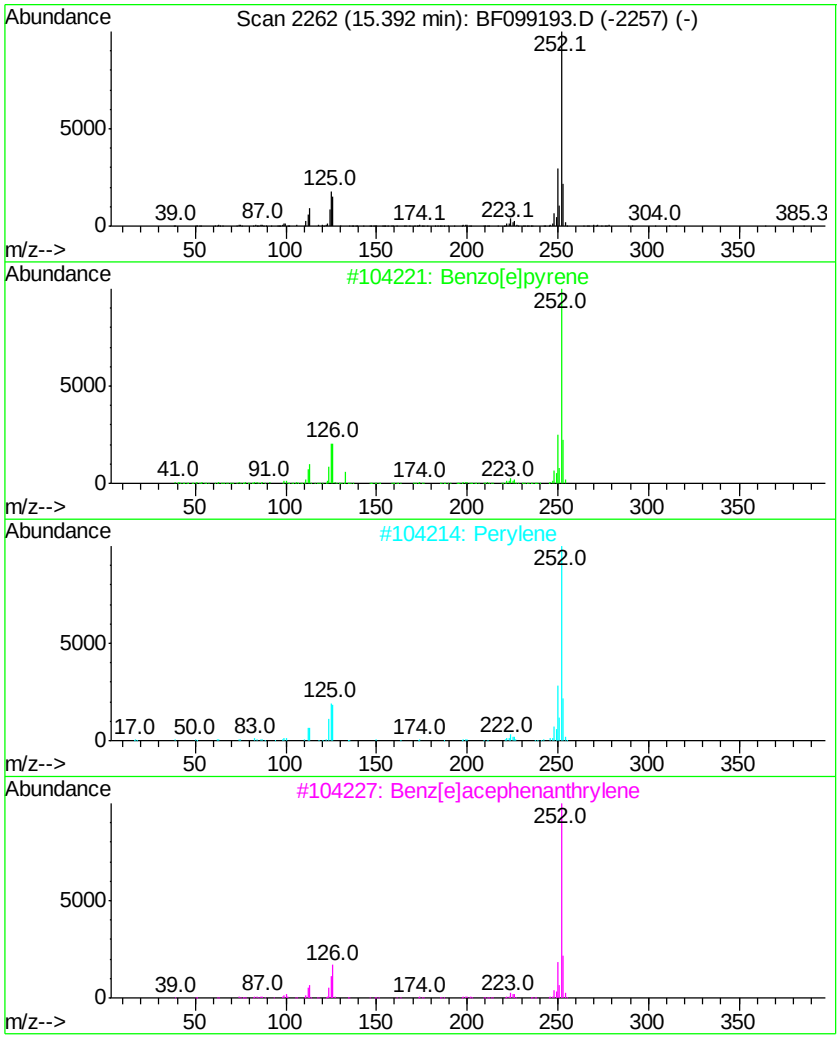
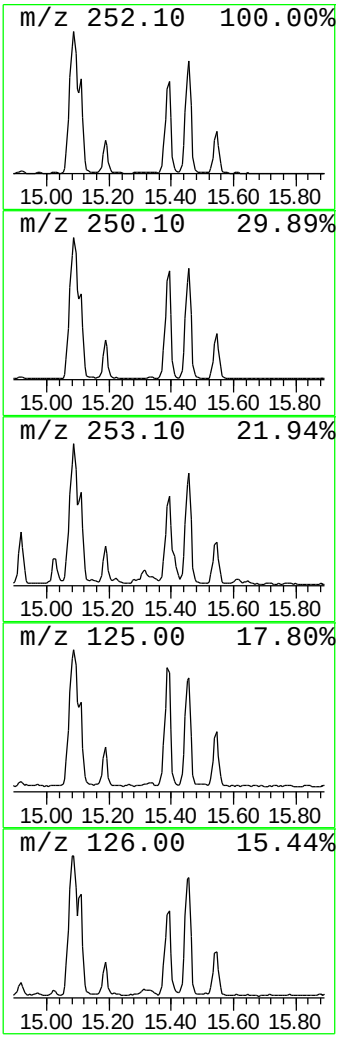
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	33.87 ng	1248550	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	99
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G10-1.5-3

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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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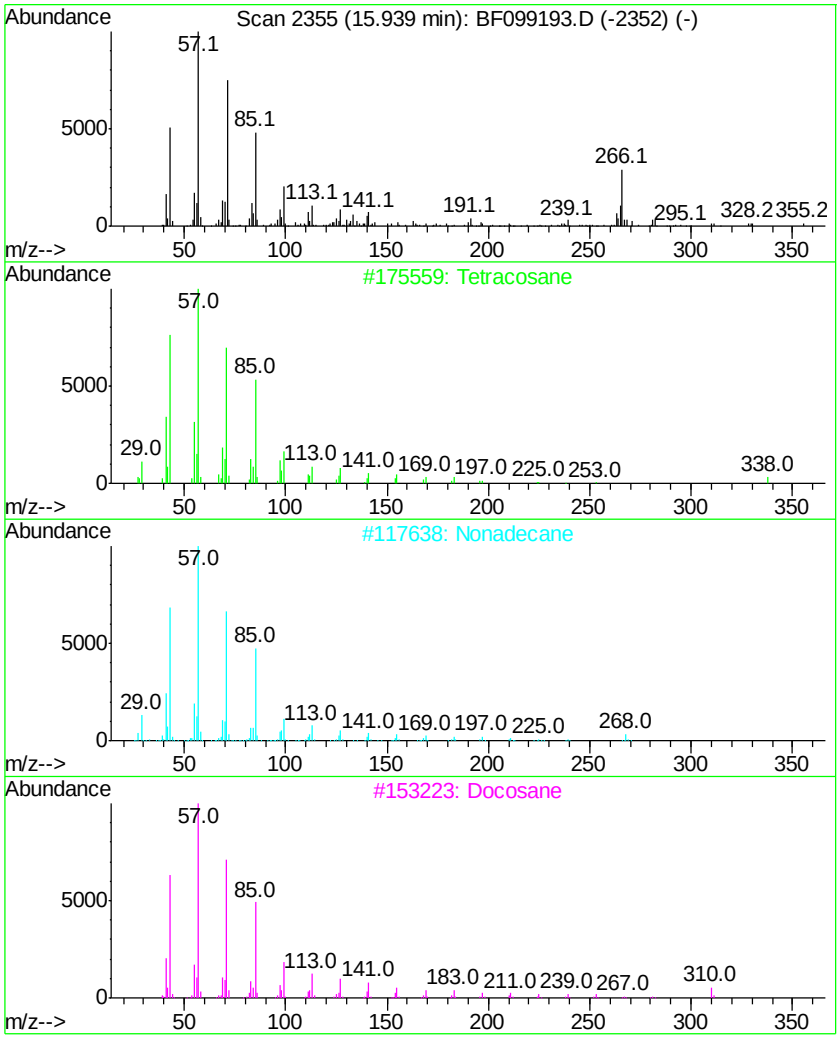
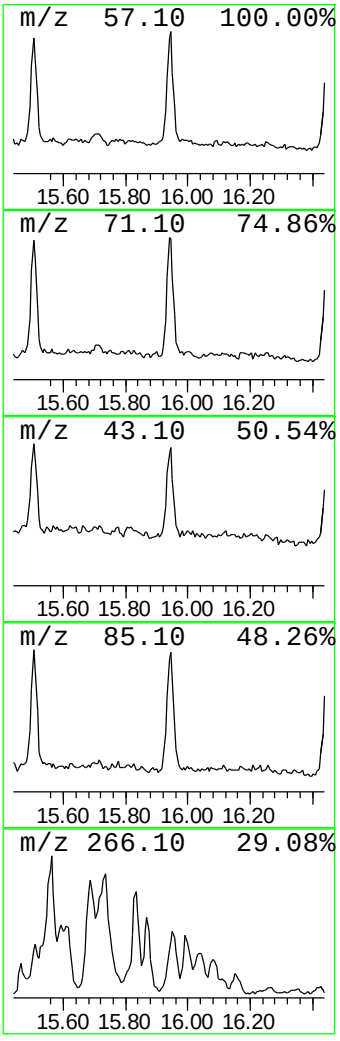
Peak Number 20 Tetracosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	6.61 ng	243652	Perylene-d12	15.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	95
2	Nonadecane	268	C19H40	000629-92-5	92
3	Docosane	310	C22H46	000629-97-0	90
4	Heneicosane	296	C21H44	000629-94-7	76
5	Eicosane	282	C20H42	000112-95-8	70





Tentatively Identified Compound (LSC) summary

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Data File : BF099193.D
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Operator : SJ/JU
Sample : I5587-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G10-1.5-3

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...	5.09	16.0	ng	679909	1	6.86	848237	20.0
unknown6.64	6.64	71.2	ng	3020380	1	6.86	848237	20.0
Naphthalene, 1-me...	8.96	7.3	ng	393400	2	8.15	1081990	20.0
Naphthalene, 2,3-...	9.56	7.1	ng	352807	3	9.90	988631	20.0
Naphthalene, 1,6,...	10.44	6.1	ng	299771	3	9.90	988631	20.0
Heptadecane, 7-me...	10.80	20.4	ng	863824	4	11.39	846016	20.0
Octacosane	11.24	9.7	ng	408739	4	11.39	846016	20.0
Dibenzothiophene	11.28	6.0	ng	253010	4	11.39	846016	20.0
Hexadecane	11.67	8.6	ng	363118	4	11.39	846016	20.0
Phenanthrene, 2-m...	11.89	6.5	ng	274733	4	11.39	846016	20.0
Phenanthrene, 1-m...	12.00	11.3	ng	476662	4	11.39	846016	20.0
Heneicosane	12.07	6.2	ng	261006	4	11.39	846016	20.0
Naphthalene, 2-ph...	12.18	6.0	ng	254718	4	11.39	846016	20.0
Phenanthrene, 2,5...	12.44	7.3	ng	310917	4	11.39	846016	20.0
Benzo[e]pyrene	15.39	33.9	ng	1248550	6	15.52	737366	20.0
Tetracosane	15.94	6.6	ng	243652	6	15.52	737366	20.0