LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098741.D
Acq On : 23 Sep 2017 16:13
Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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	5.134	515	518	524	rBV	62474	57619	1.82%	0.210%
2	5.522	581	584	588	rBV	500222	407493	12.88%	1.484%
3	6.528	751	755	760	rBV	489971	433419	13.70%	1.578%
4	6.681	777	781	785	rBV	572802	452165	14.30%	1.646%
5	6.916	817	821	825	rBV	1063730	1001962	31.68%	3.648%
6	7.075	844	848	851	rBV	393930	328693	10.39%	1.197%
7	7.475	909	916	919	rBV	322975	259680	8.21%	0.945%
8	8.204	1034	1040	1043	rBV	1465447	1384167	43.77%	5.040%
9	9.275	1217	1222	1225	rBV	576672	498407	15.76%	1.815%
10	9.533	1263	1266	1270	rVB2	44449	37509	1.19%	0.137%
11	9.663	1286	1288	1292	rVB2	62855	61169	1.93%	0.223%
12	9.816	1311	1314	1317	rBV	101852	78459	2.48%	0.286%
13	9.957	1332	1338	1341	rBV	1656610	1396477	44.16%	5.085%
14	9.986	1341	1343	1346	rVB	51819	42534	1.34%	0.155%
15	10.157	1366	1372	1376	rVB2	34002	40542	1.28%	0.148%
16	10.504	1428	1431	1436	rVB2	56299	59777	1.89%	0.218%
17	10.739	1465	1471	1475	rBV	257736	217619	6.88%	0.792%
18	10.869	1487	1493	1495	rBV3	51719	76277	2.41%	0.278%
19	11.051	1518	1524	1526	rBV3	32117	44115	1.39%	0.161%
20	11.298	1560	1566	1569	rBV4	31222	44618	1.41%	0.162%
21	11.339	1569	1573	1578	rVB2	44474	51718	1.64%	0.188%
22	11.445	1587	1591	1593	rBV	1415968	1249298	39.50%	4.549%
23	11.469	1593	1595	1598	rVV	574478	449151	14.20%	1.635%
24	11.516	1601	1603	1606	rVB	116881	84355	2.67%	0.307%
25	11.751	1641	1643	1645	rVB2	77260	50252	1.59%	0.183%
26	11.769	1645	1646	1652	rVB2	47198	42554	1.35%	0.155%
27	11.827	1652	1656	1659	rBV	1863393	1425266	45.07%	5.189%
28	11.945	1672	1676	1677	rBV	170781	176785	5.59%	0.644%
29	11.957	1677	1678	1685	rVV2	317179	419011	13.25%	1.526%
30	12.016	1685	1688	1691	rVV	55841	63394	2.00%	0.231%
31	12.051	1691	1694	1697	rVV2	214596	251227	7.94%	0.915%
32	12.074	1697	1698	1701	rVB	129614	93645	2.96%	0.341%
33	12.233	1722	1725	1728	rBV2	102674	105134	3.32%	0.383%
34	12.257	1728	1729	1733	rVB2	67985	54966	1.74%	0.200%

LSC Area Percent Report

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Data File : BF098741.D
Acq On : 23 Sep 2017 16:13
Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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	12.492	1766	1769	1770	rBV	148830	136338	4.31%	0.496%
36	12.516	1770	1773	1775	rVV	2209652	2041183	64.54%	7.432%
37	12.539	1775	1777	1782	rVB	3774073	3162640	100.00%	11.515%
38	12.621	1787	1791	1794	rVB	926328	746272	23.60%	2.717%
39	12.657	1794	1797	1800	rVB	955192	802917	25.39%	2.923%
40	12.698	1801	1804	1806	rBV	42425	40125	1.27%	0.146%
41	12.751	1809	1813	1817	rBV	846601	841241	26.60%	3.063%
42	12.886	1829	1836	1841	rBV	959215	944672	29.87%	3.440%
43	12.933	1841	1844	1848	rVB3	56890	81425	2.57%	0.296%
44	12.998	1852	1855	1857	rBV2	41872	47764	1.51%	0.174%
45	13.021	1857	1859	1867	rVB	450638	412910	13.06%	1.503%
46	13.098	1868	1872	1880	rBV4	106076	182503	5.77%	0.664%
47	13.192	1884	1888	1889	rBV4	95133	138231	4.37%	0.503%
48	13.210	1889	1891	1894	rVB	161092	141661	4.48%	0.516%
49	13.268	1894	1901	1905	rBV2	142629	220463	6.97%	0.803%
50	13.316	1905	1909	1911	rVV2	136335	127245	4.02%	0.463%
51	13.345	1911	1914	1916	rVV	88209	88288	2.79%	0.321%
52	13.363	1916	1917	1922	rVV3	68288	78936	2.50%	0.287%
53	13.404	1922	1924	1927	rVV	160114	145653	4.61%	0.530%
54	13.439	1927	1930	1939	rVV2	98900	173173	5.48%	0.631%
55	13.510	1939	1942	1946	rVV5	30359	51805	1.64%	0.189%
56	13.551	1946	1949	1952	rVB3	83637	76313	2.41%	0.278%
57	13.716	1974	1977	1982	rVB	98225	113662	3.59%	0.414%
58	13.774	1982	1987	1990	rVB4	92259	125838	3.98%	0.458%
59	13.827	1991	1996	1999	rBV2	91058	139969	4.43%	0.510%
60	13.857	1999	2001	2003	rVV	90904	82341	2.60%	0.300%
61	13.880	2003	2005	2009	rVV2	67347	86571	2.74%	0.315%
62	13.921	2009	2012	2020	rVB2	99671	135686	4.29%	0.494%
63	14.010	2025	2027	2031	rVB2	64002	61735	1.95%	0.225%
64	14.080	2034	2039	2042	rVV2	1085360	1363384	43.11%	4.964%
65	14.104	2042	2043	2050	rVB	437746	334404	10.57%	1.218%
66	14.298	2073	2076	2080	rBV2	34008	53677	1.70%	0.195%
67	14.463	2100	2104	2108	rVB	105350	115270	3.64%	0.420%
68	14.498	2108	2110	2114	rVB2	92871	75744	2.39%	0.276%
69	14.539	2114	2117	2118	rBV2	38112	41727	1.32%	0.152%
70	14.592	2123	2126	2128	rBV	59359	58374	1.85%	0.213%
71	15.133	2213	2218	2221	rBV	318028	541408	17.12%	1.971%

LSC Area Percent Report

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Acq On : 23 Sep 2017 16:13
Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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

72	15.239	2233	2236	2241	rVB	72624	77479	2.45%	0.282%
73	15.439	2266	2270	2277	rVB	208144	268238	8.48%	0.977%
74	15.504	2277	2281	2288	rBV	289381	361863	11.44%	1.318%
75	15.574	2288	2293	2296	rBV	631818	843545	26.67%	3.071%
76	17.068	2542	2547	2556	rVB2	125855	261679	8.27%	0.953%
77	17.527	2619	2625	2634	rVB	93607	201282	6.36%	0.733%

Sum of corrected areas: 27465091

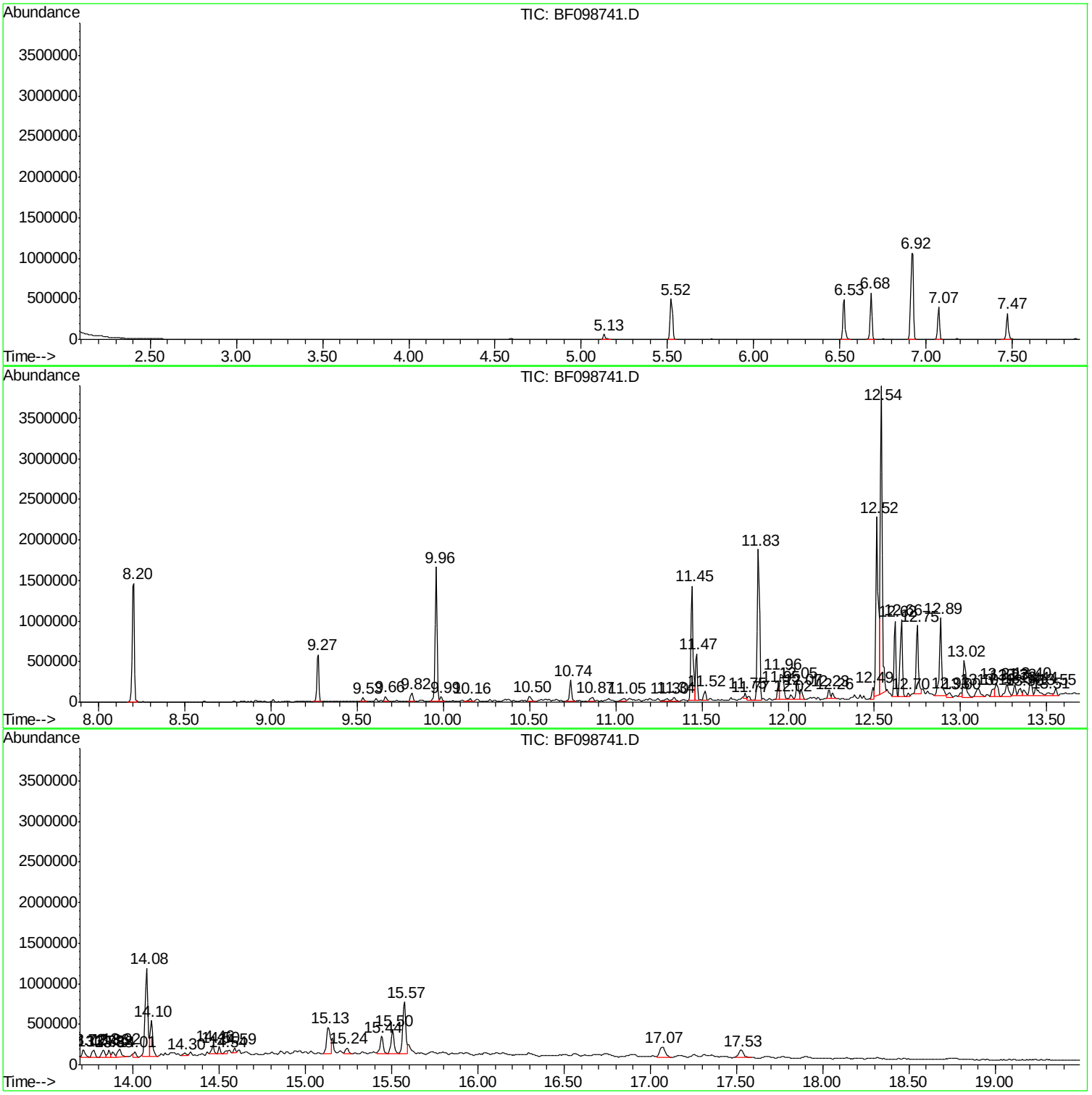
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098741.D
Acq On : 23 Sep 2017 16:13
Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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\BF092317\
Data File : BF098741.D
Acq On : 23 Sep 2017 16:13
Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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

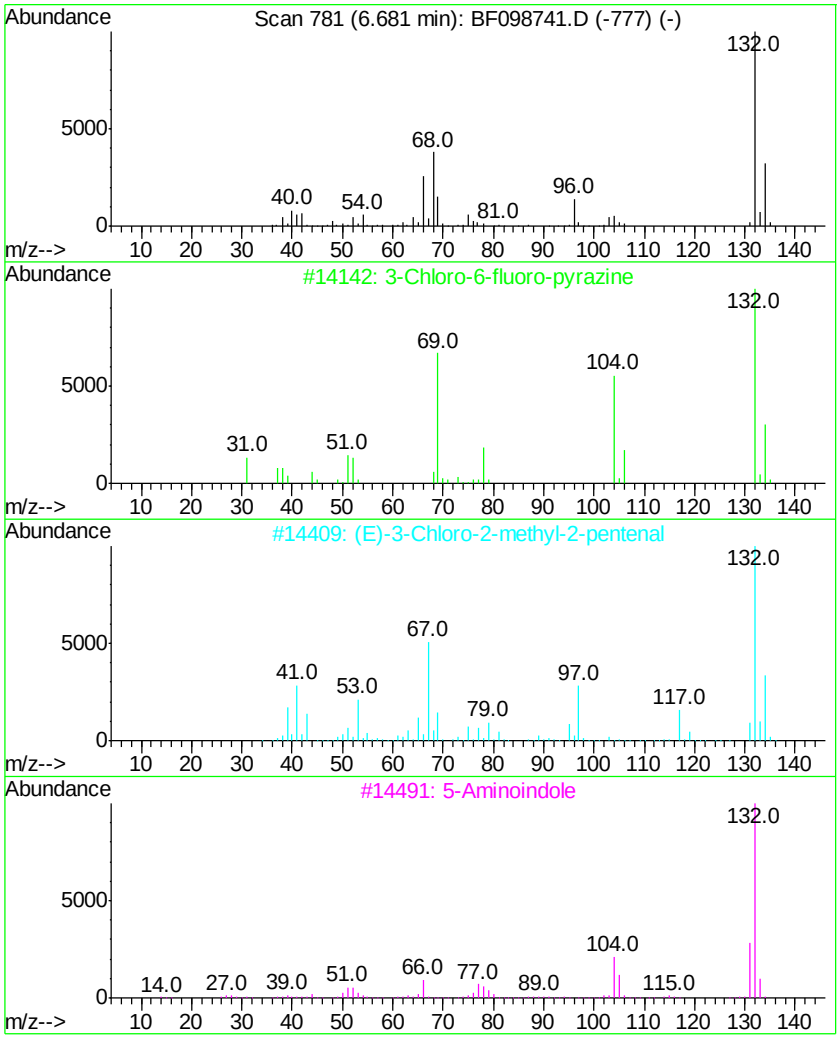
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

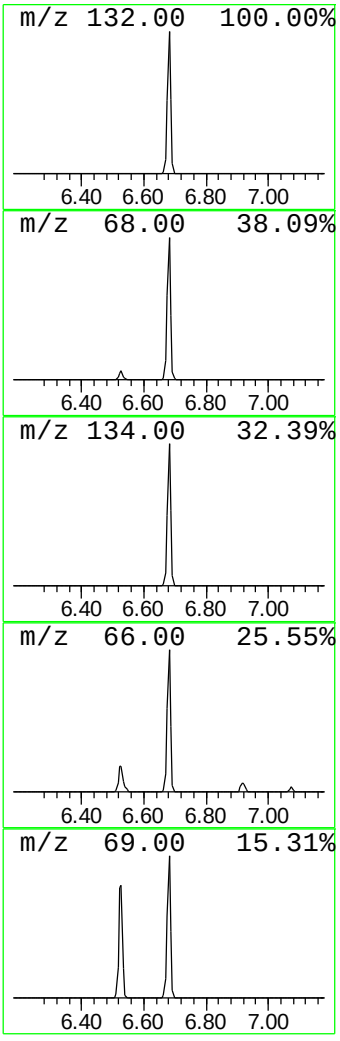
****

Peak Number 1 unknown6.68 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	9.03 ng	452165	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098741.D
Acq On : 23 Sep 2017 16:13
Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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

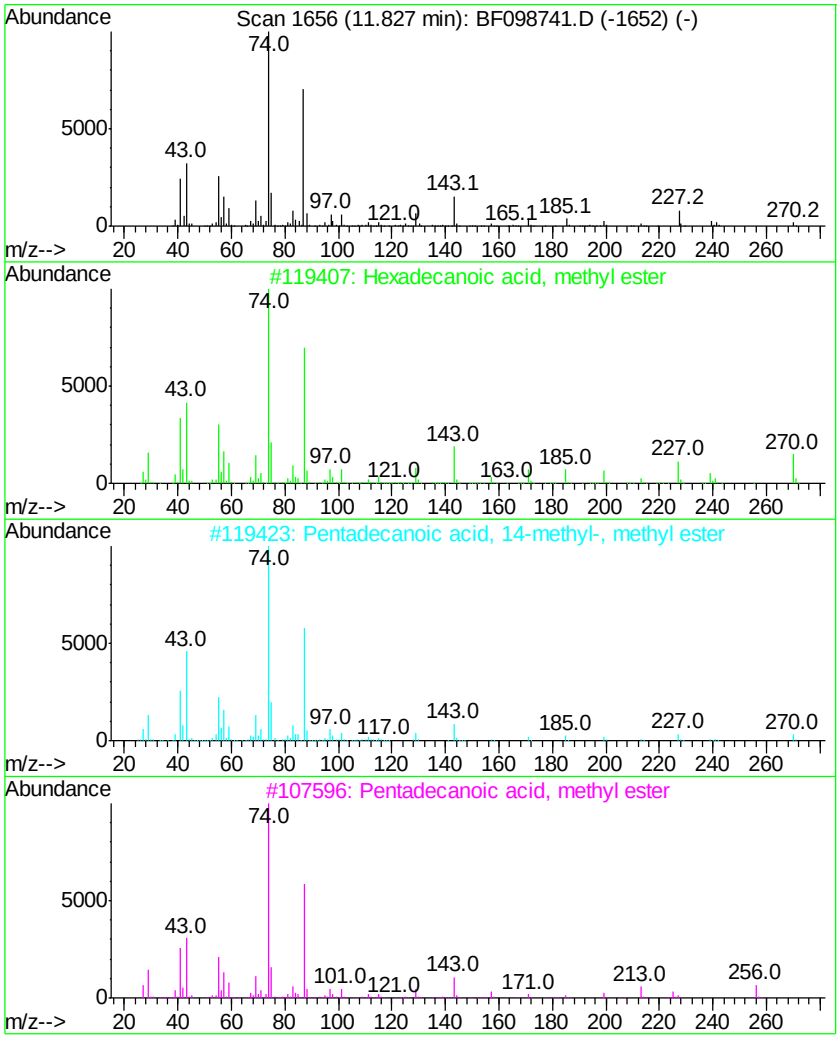
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

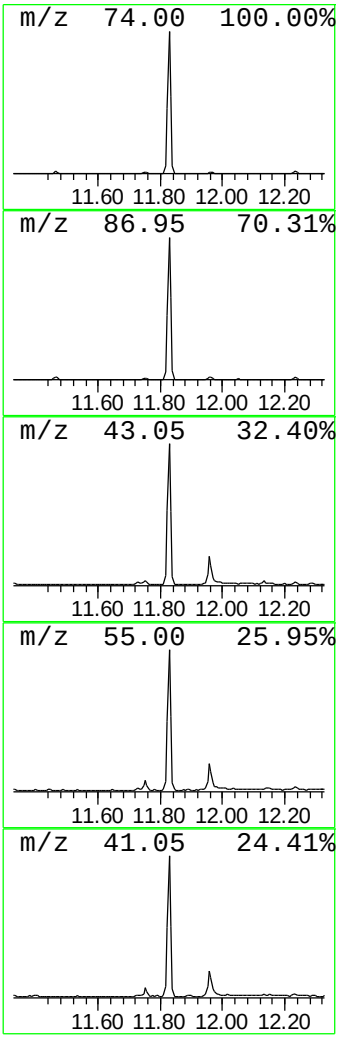
****

Peak Number 3 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	22.82 ng	1425270	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	97
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
4	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	90
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098741.D
Acq On : 23 Sep 2017 16:13
Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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

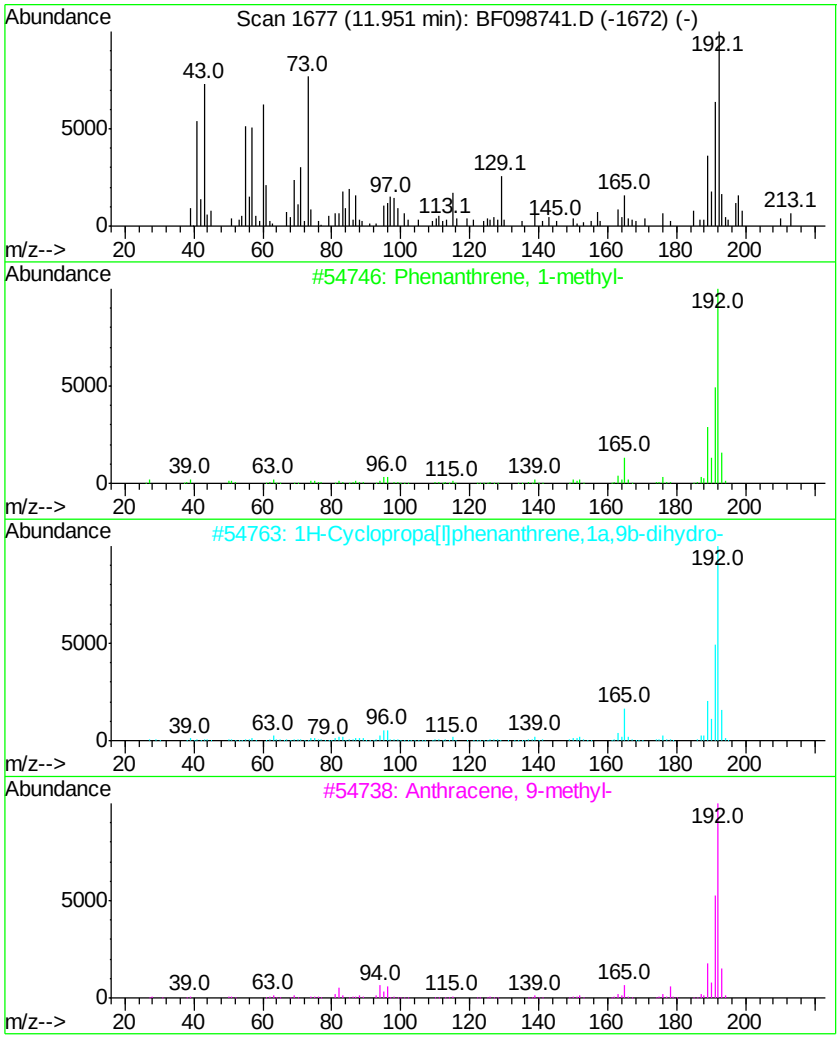
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

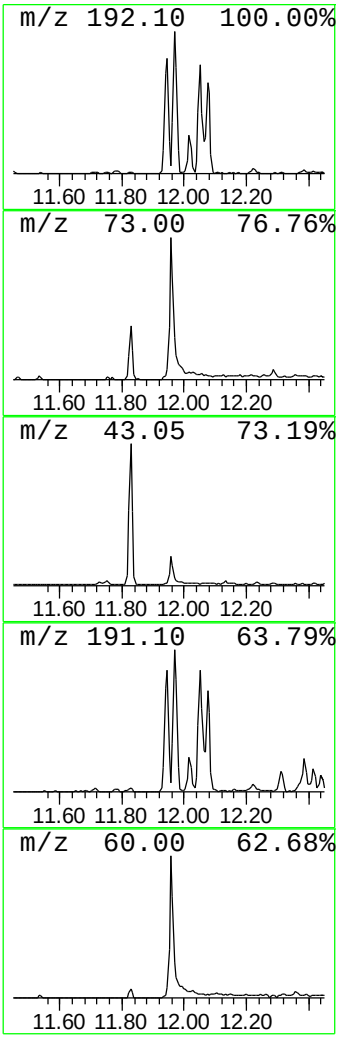
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.83 ng	176785	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098741.D
Acq On : 23 Sep 2017 16:13
Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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

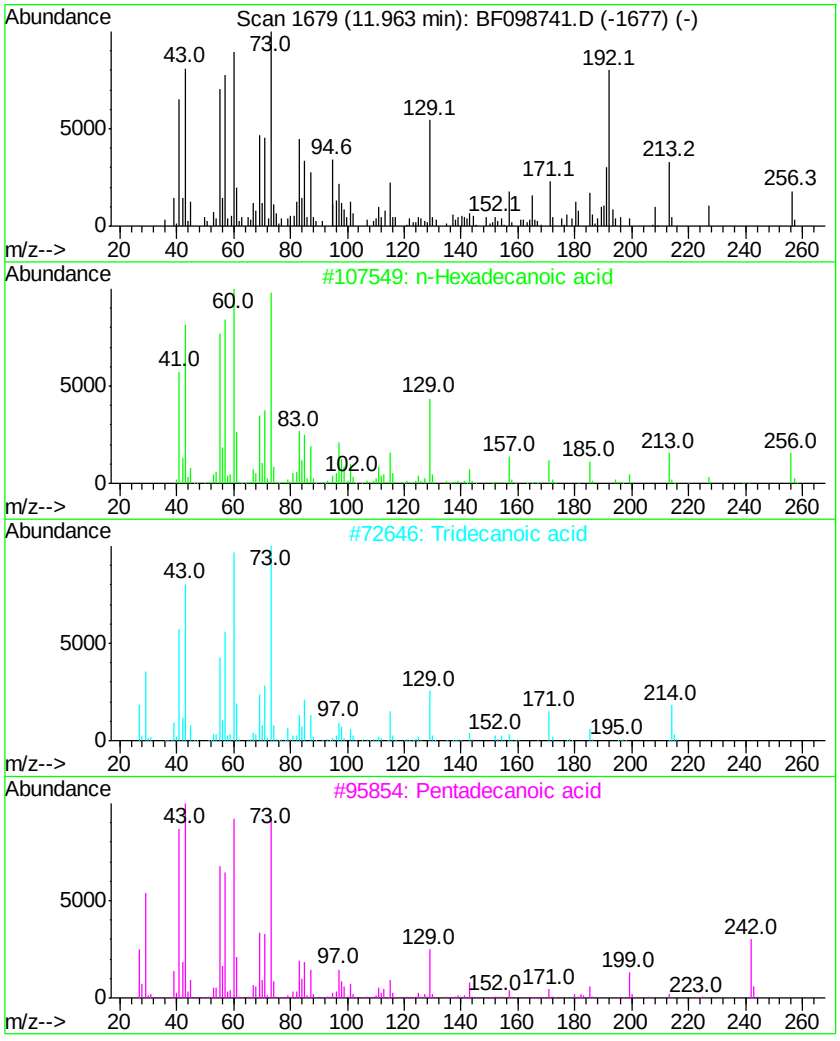
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

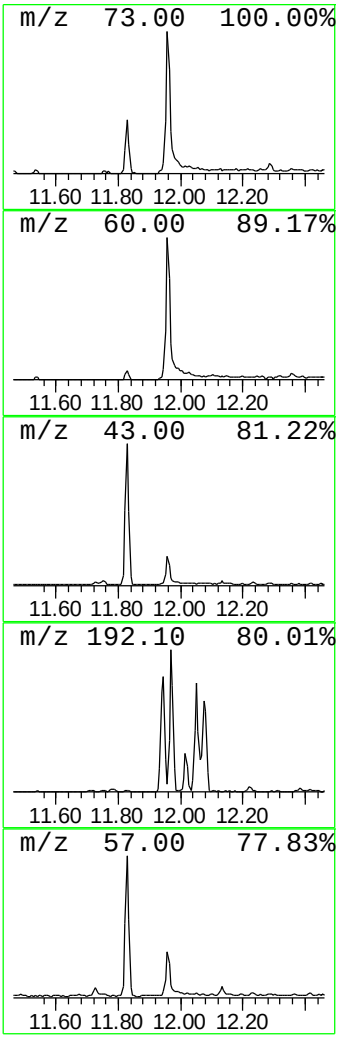
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	6.71 ng	419011	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	86
4	Undecanoic acid	186	C11H22O2	000112-37-8	86
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	74





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098741.D
Acq On : 23 Sep 2017 16:13
Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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

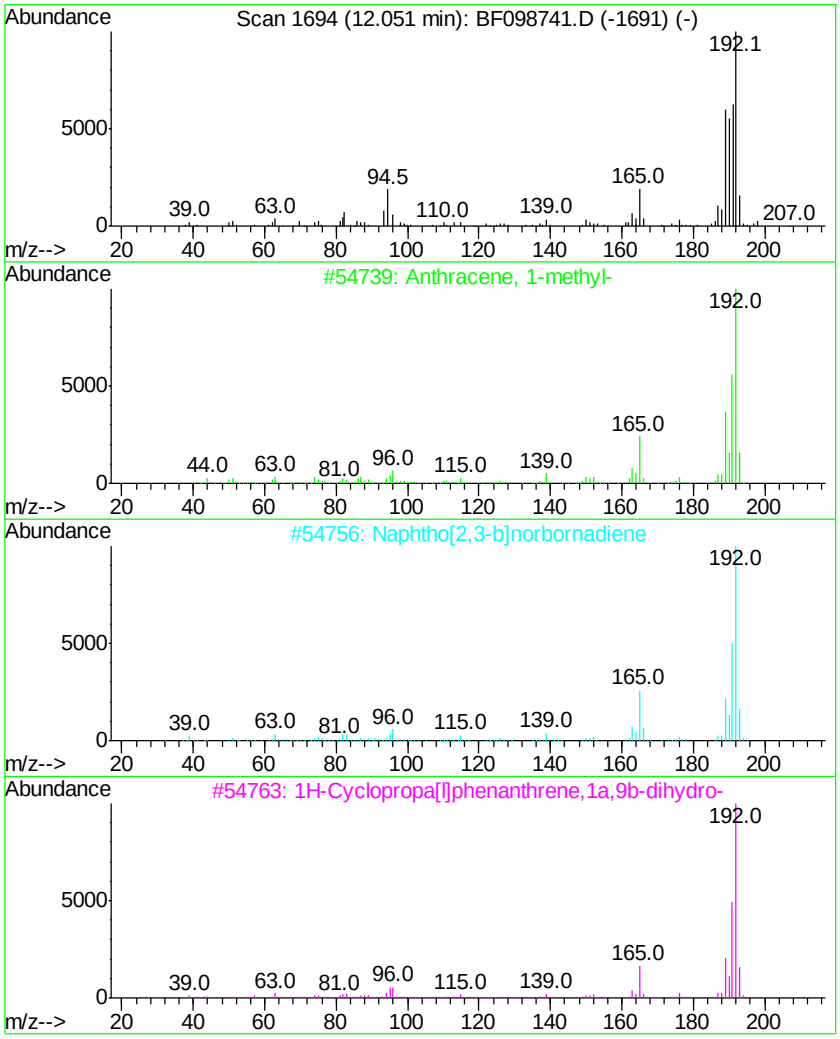
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

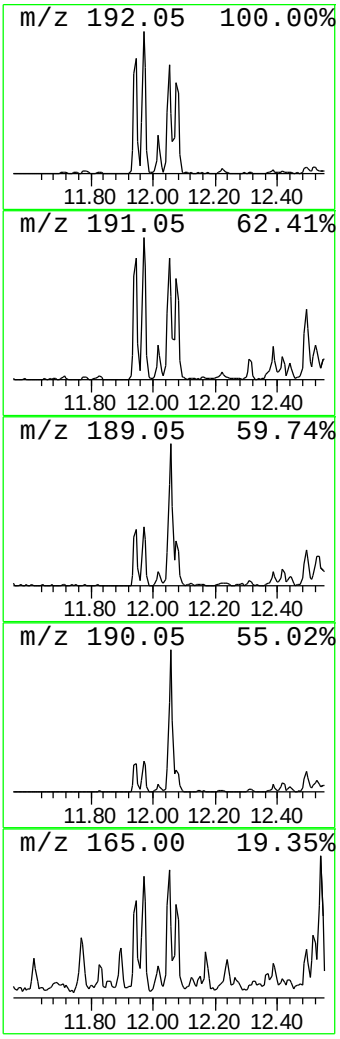
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	4.02 ng	251227	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098741.D
Acq On : 23 Sep 2017 16:13
Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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

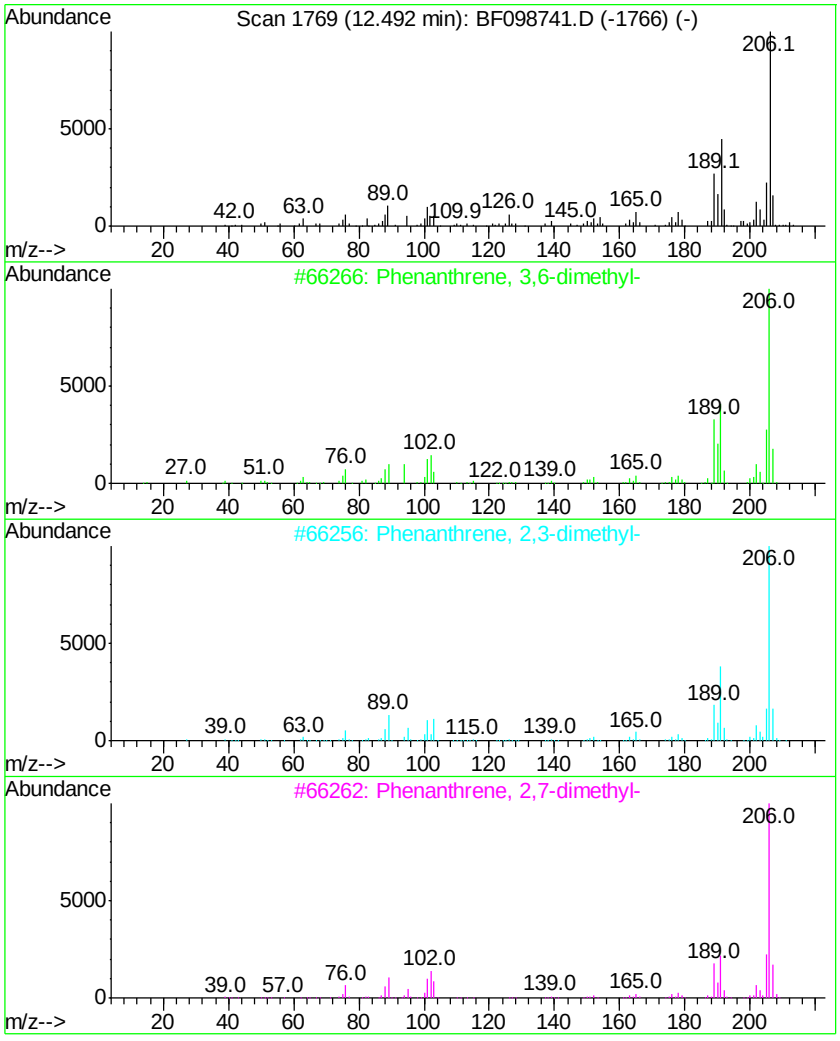
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

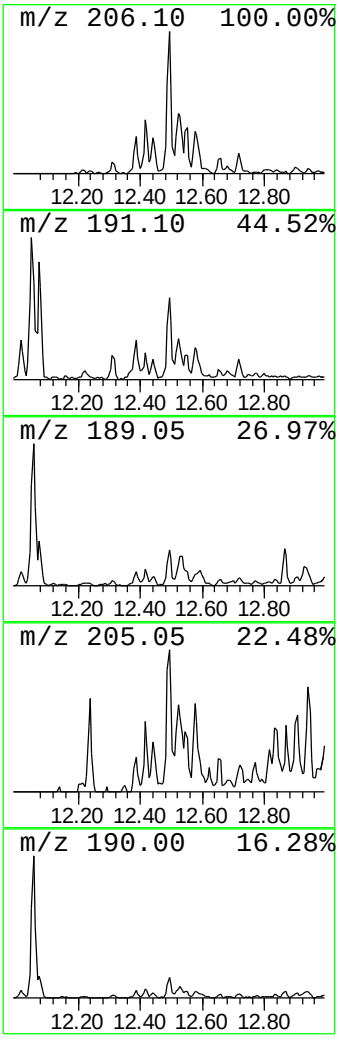
****

Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	2.18 ng	136338	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098741.D
Acq On : 23 Sep 2017 16:13
Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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

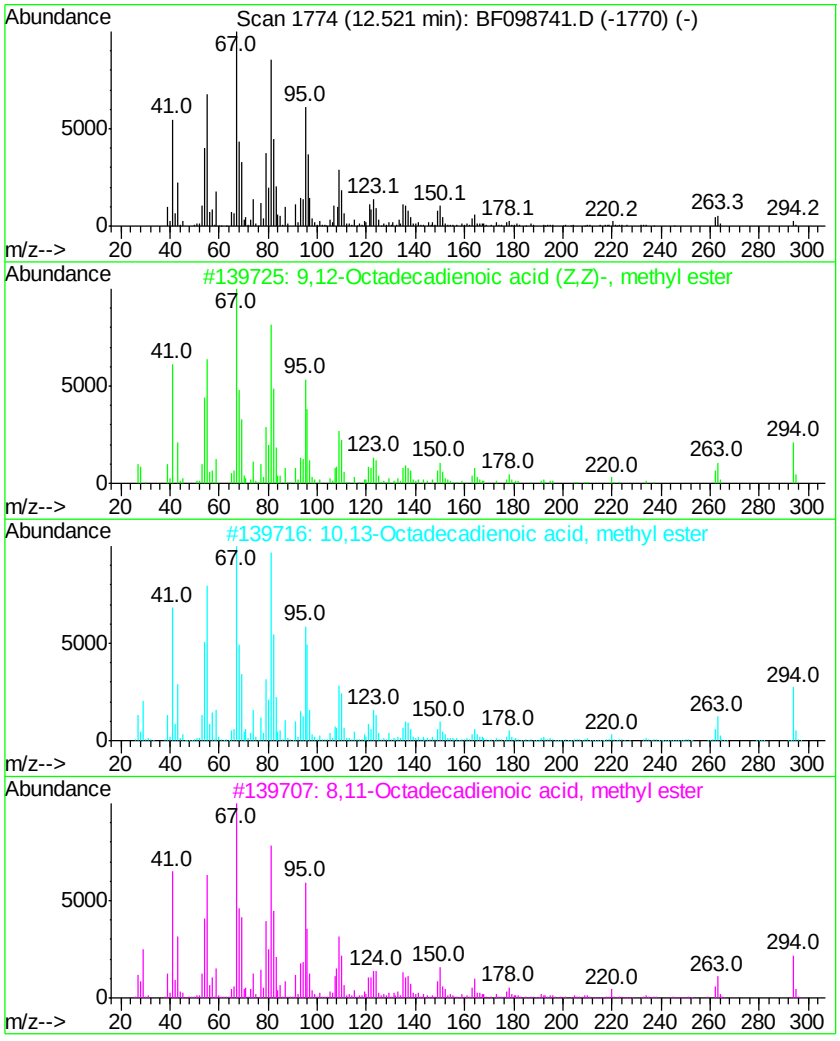
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

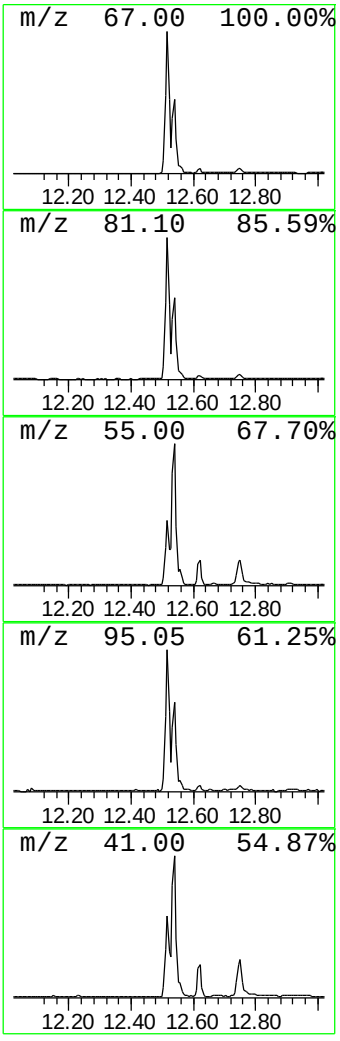
****

Peak Number 8 9,12-Octadecadienoic acid (... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	32.68 ng	2041180	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99





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Data File : BF098741.D
Acq On : 23 Sep 2017 16:13
Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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

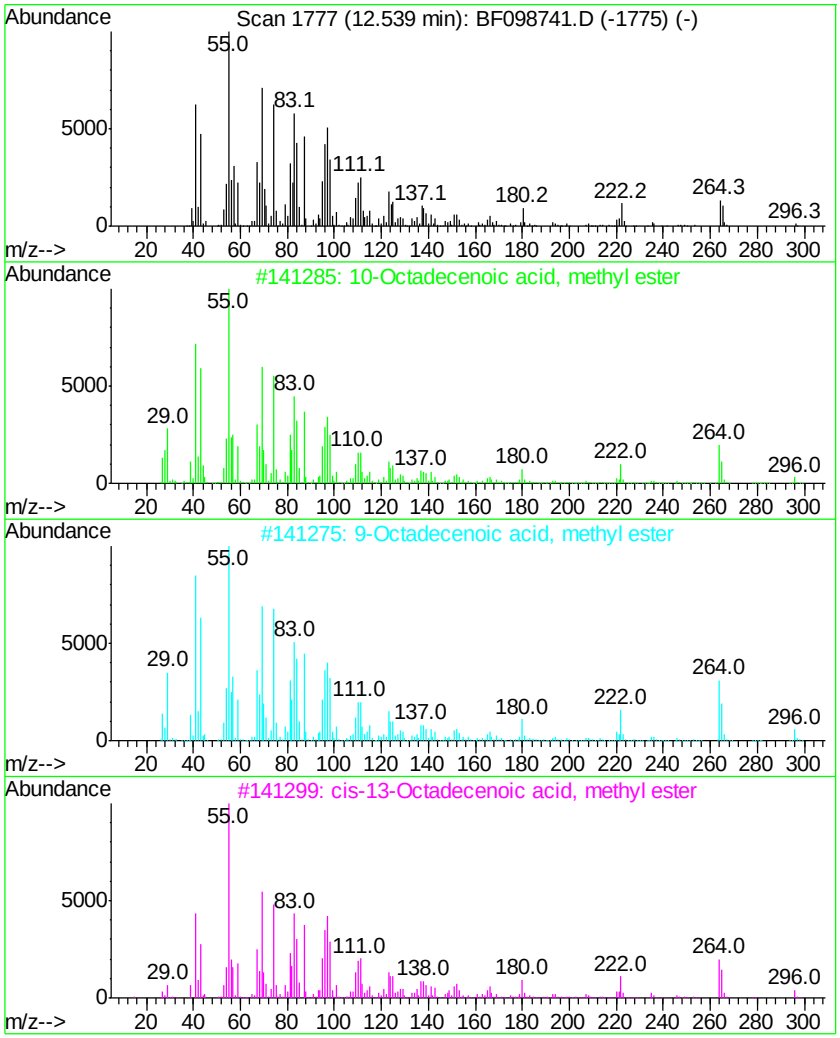
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

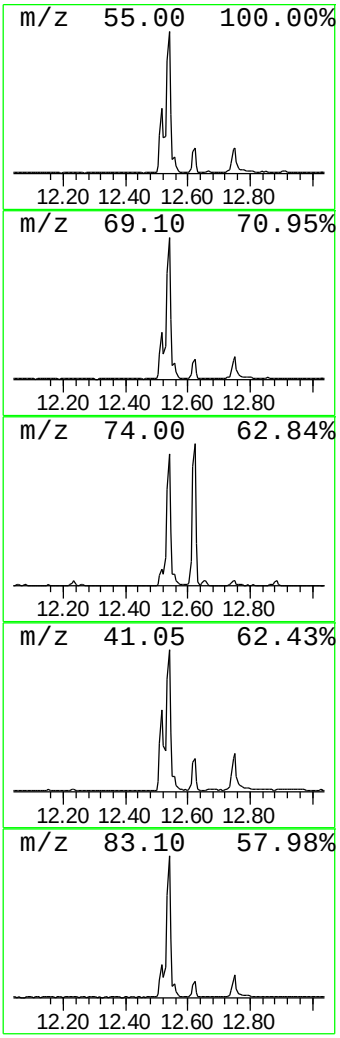
****

Peak Number 9 10-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	50.63 ng	3162640	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
2	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
3	cis-13-Octadecenoic acid, methyl...	296	C19H36O2	1000333-58-3	99
4	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	99
5	7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	99





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Acq On : 23 Sep 2017 16:13
Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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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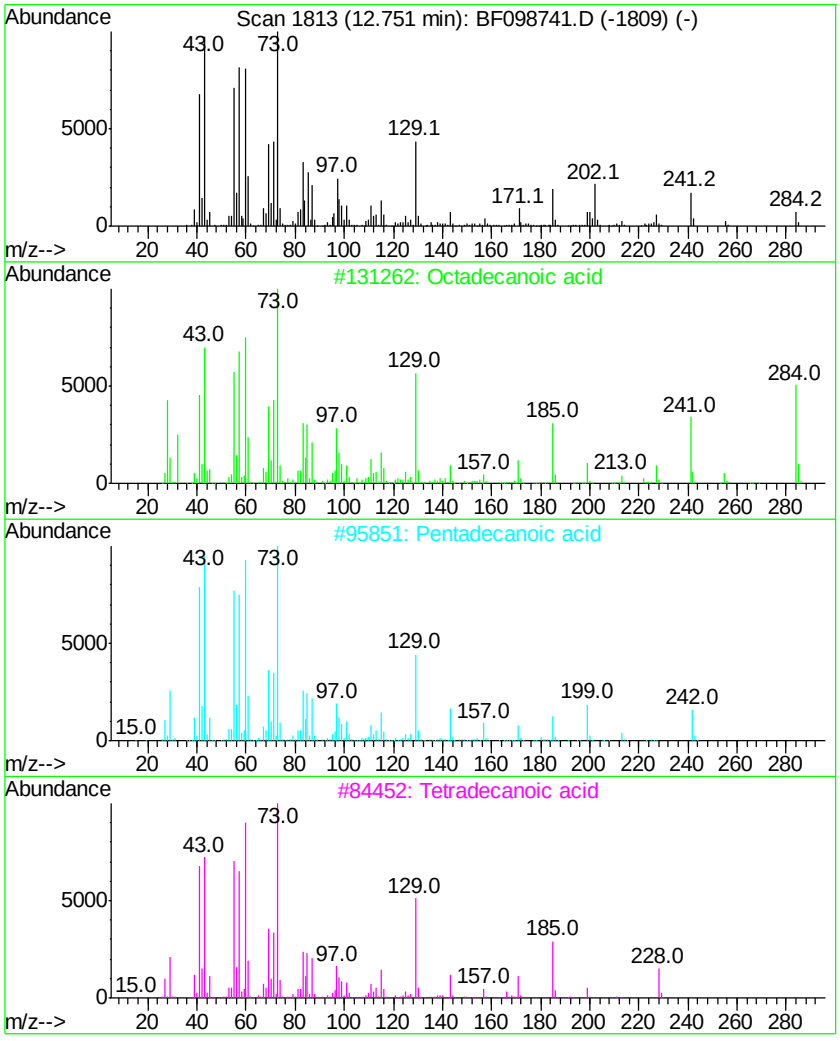
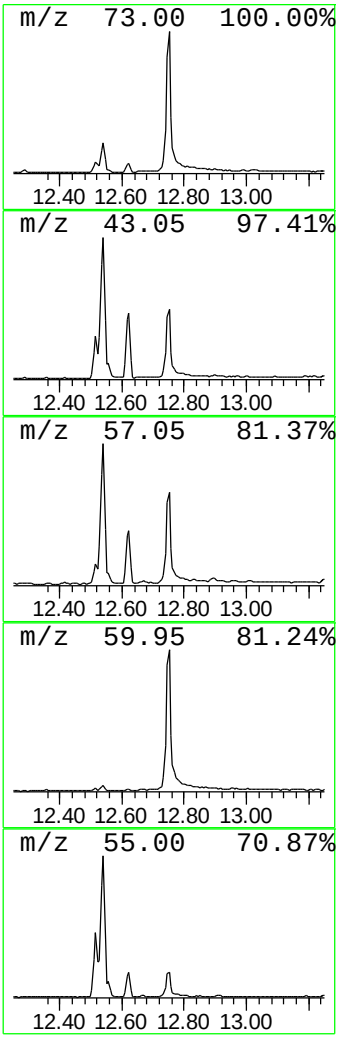
Peak Number 10 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	13.47 ng	841241	Phenanthrene-d10	11.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68
5	Dodecanoic acid	200	C12H24O2	000143-07-7	64





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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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

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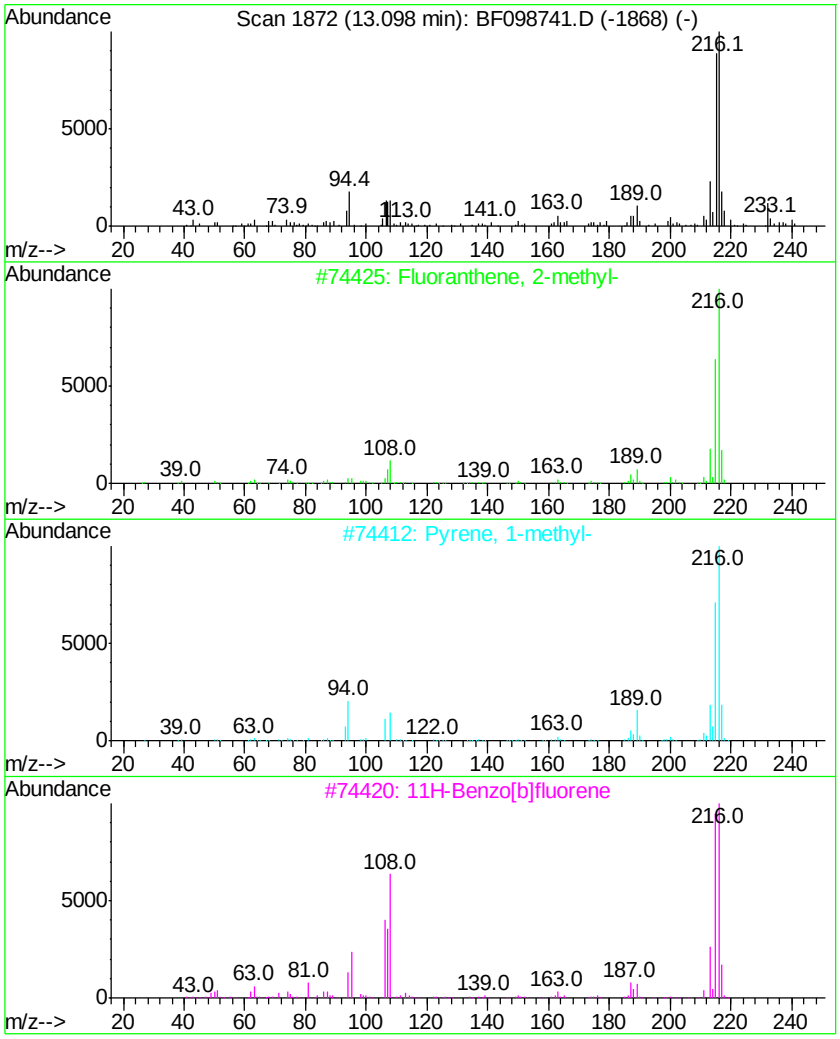
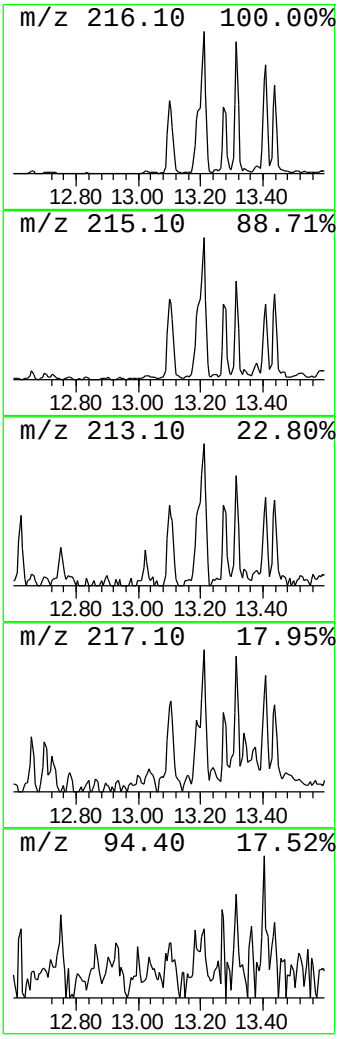
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	2.68 ng	182503	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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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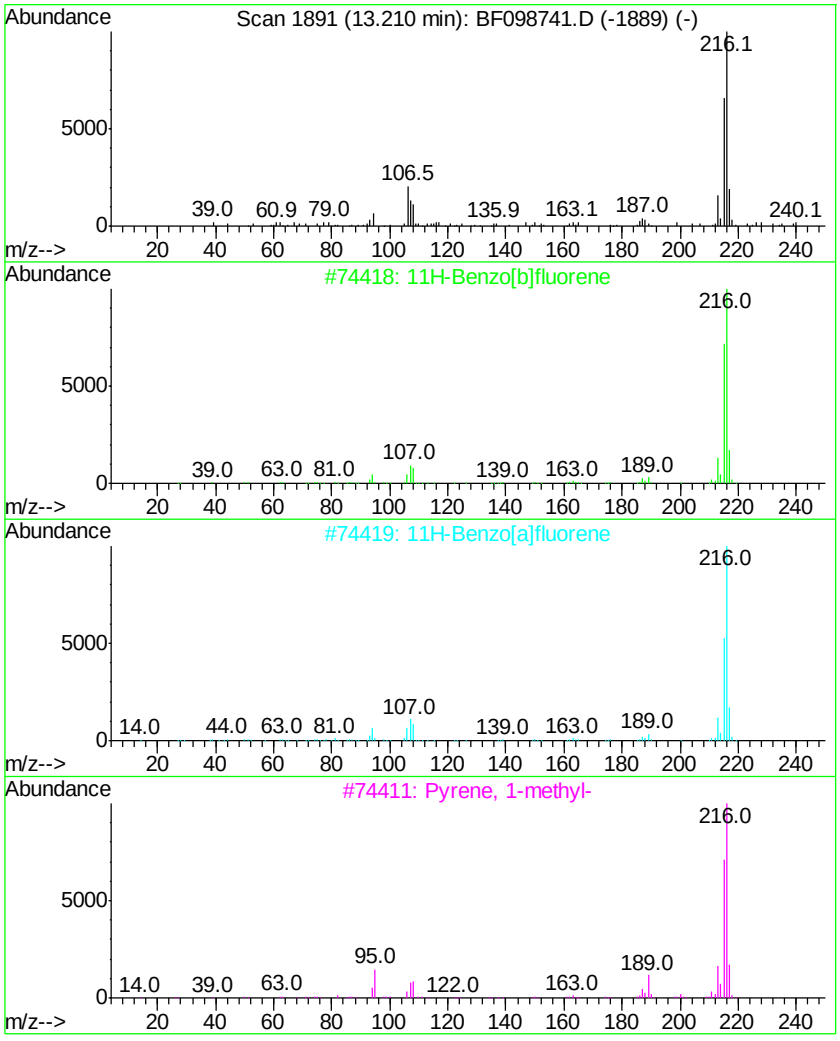
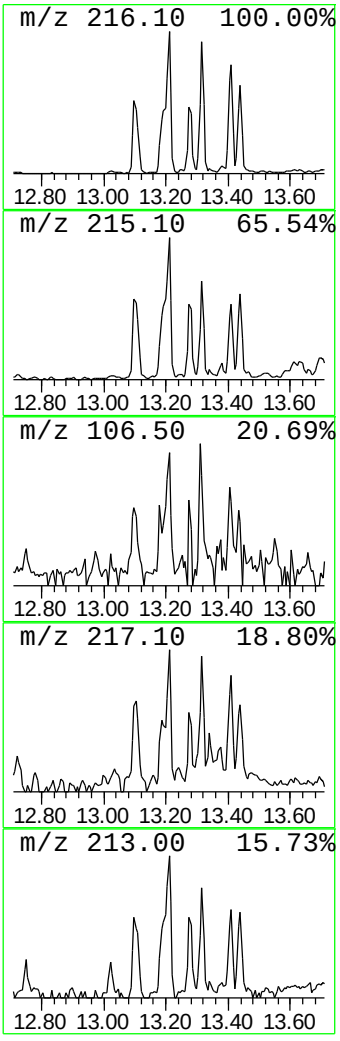
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	2.08 ng	141661	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	68





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Data File : BF098741.D
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Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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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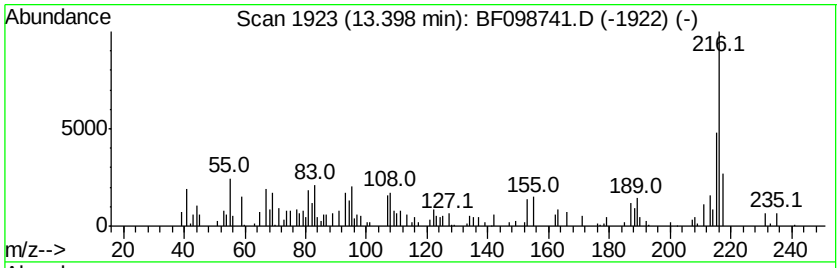
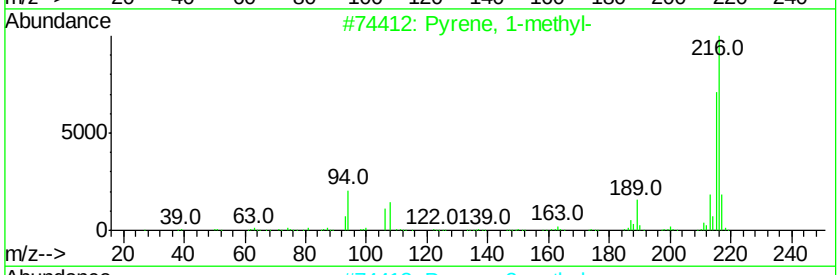
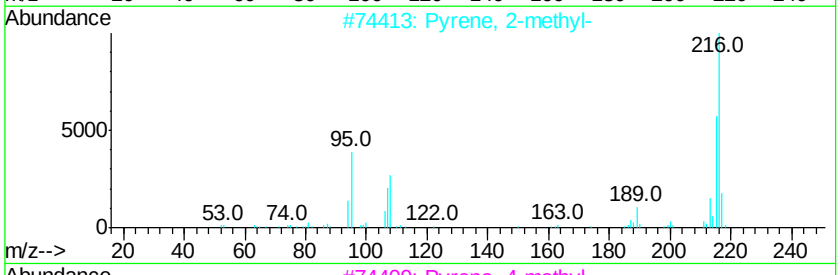
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 15

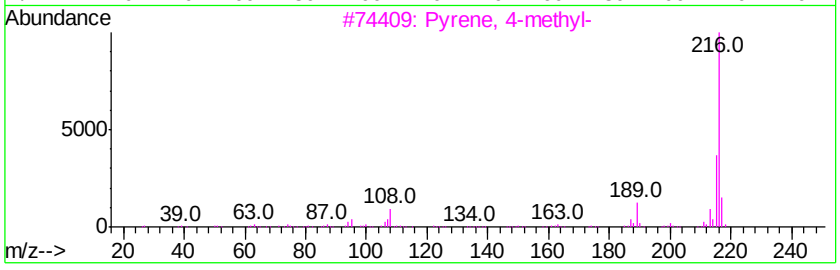
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	2.14 ng	145653	Chrysene-d12	14.08

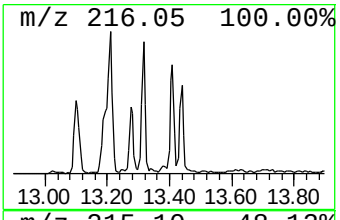
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74

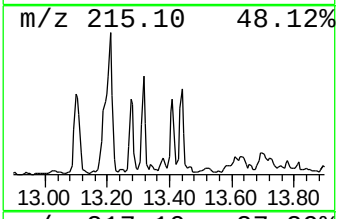


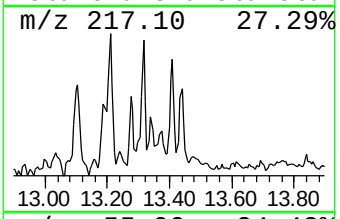


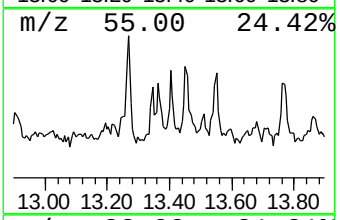


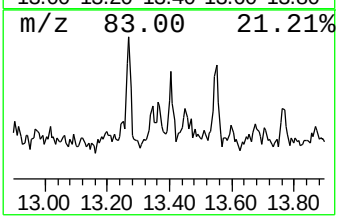












Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098741.D
Acq On : 23 Sep 2017 16:13
Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-092017

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

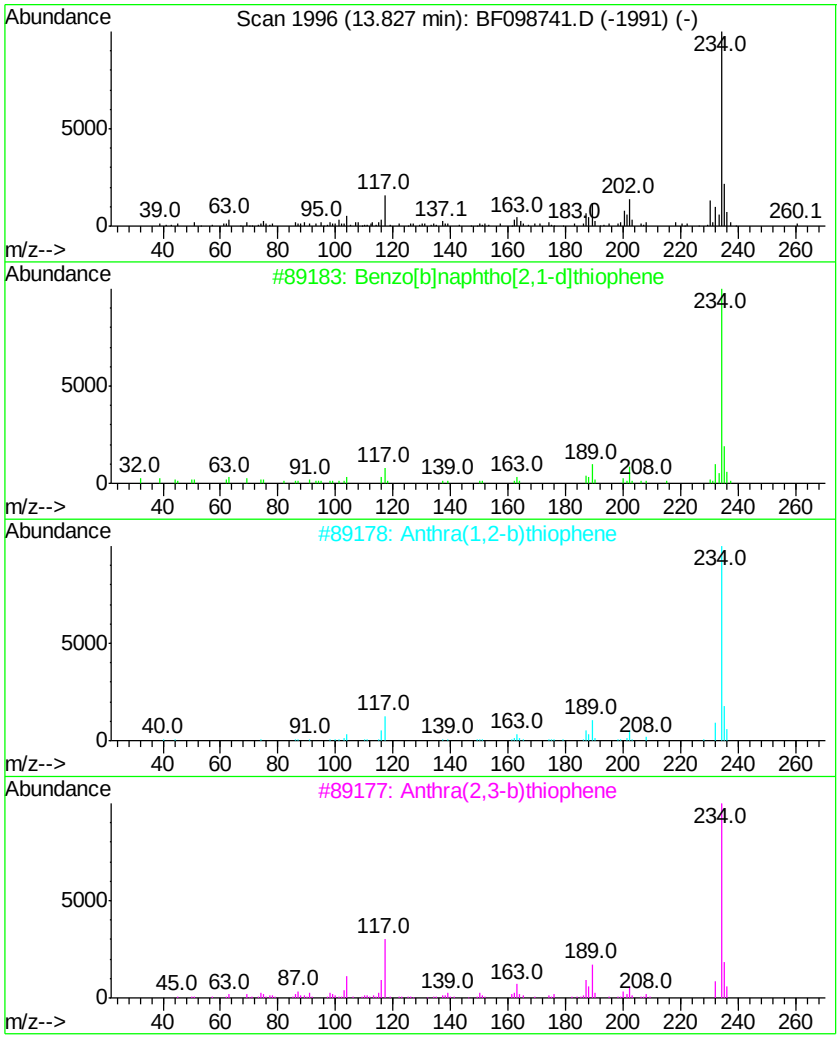
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

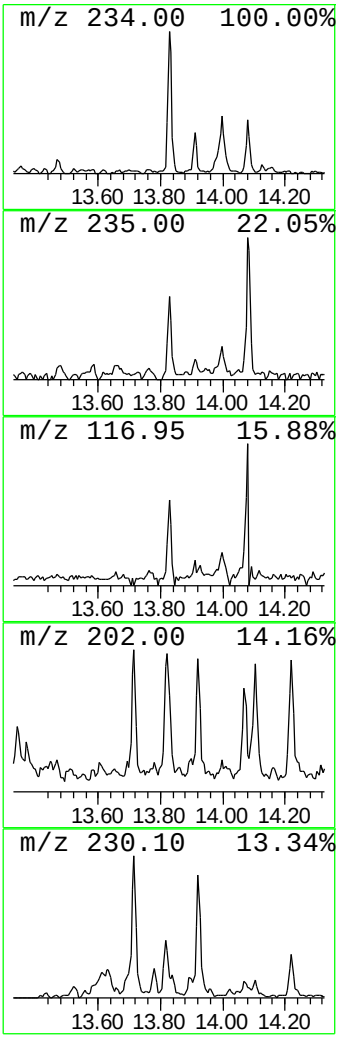
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.05 ng	139969	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	90
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	87





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

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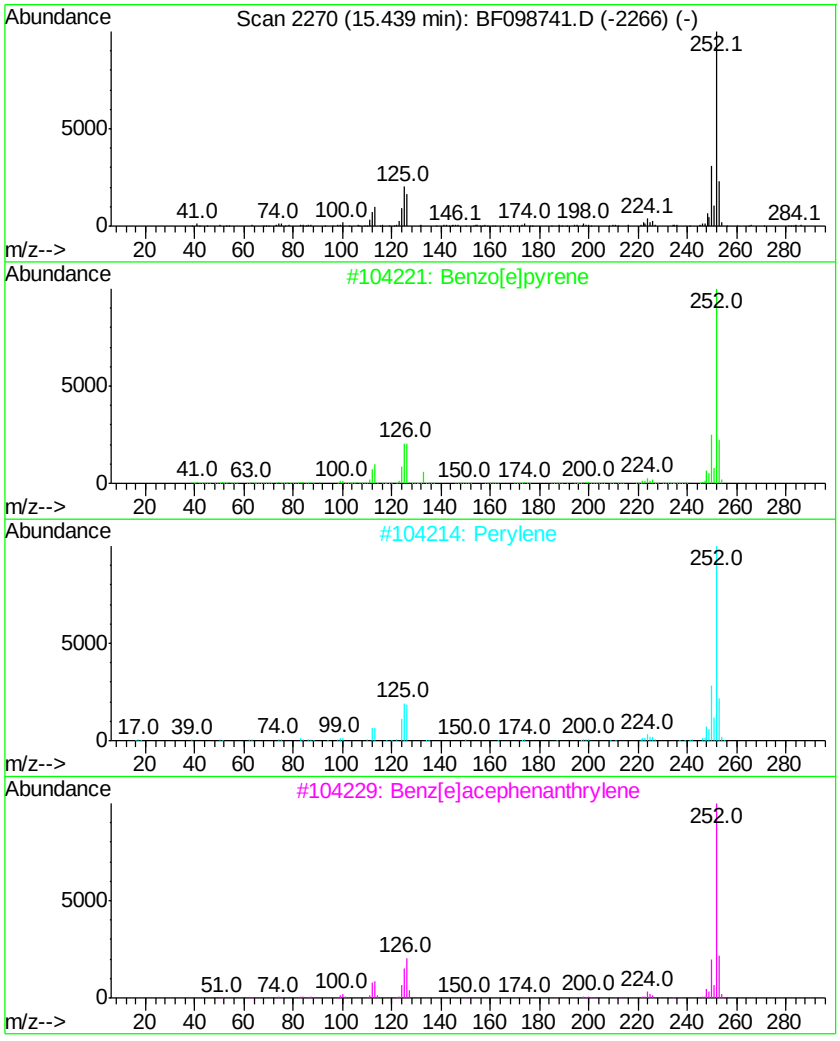
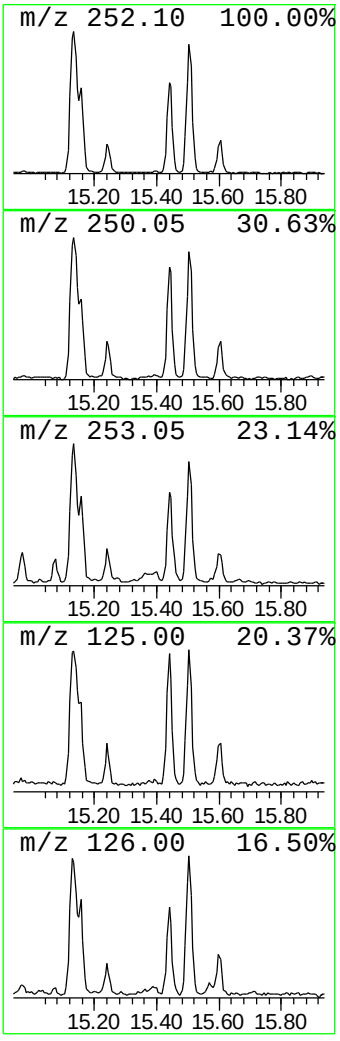
Peak Number 18 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	6.36 ng	268238	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

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Operator : SJ/JU
Sample : I5336-01 10X
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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
unknown6.68	6.68	9.0	ng	452165	1	6.92	1001960	20.0
Hexadecanoic acid...	11.83	22.8	ng	1425270	4	11.45	1249300	20.0
Phenanthrene, 1-m...	11.95	2.8	ng	176785	4	11.45	1249300	20.0
n-Hexadecanoic acid	11.96	6.7	ng	419011	4	11.45	1249300	20.0
Anthracene, 1-met...	12.05	4.0	ng	251227	4	11.45	1249300	20.0
Phenanthrene, 3,6...	12.49	2.2	ng	136338	4	11.45	1249300	20.0
9,12-Octadecadien...	12.52	32.7	ng	2041180	4	11.45	1249300	20.0
10-Octadecenoic a...	12.54	50.6	ng	3162640	4	11.45	1249300	20.0
Octadecanoic acid	12.75	13.5	ng	841241	4	11.45	1249300	20.0
Fluoranthene, 2-m...	13.10	2.7	ng	182503	5	14.08	1363380	20.0
11H-Benzo[b]fluorene	13.21	2.1	ng	141661	5	14.08	1363380	20.0
Pyrene, 1-methyl-	13.40	2.1	ng	145653	5	14.08	1363380	20.0
Benzo[b]naphtho[2...	13.83	2.0	ng	139969	5	14.08	1363380	20.0
Benzo[e]pyrene	15.44	6.4	ng	268238	6	15.57	843545	20.0