LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102568.D
Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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	4.916	477	481	490	rVB	83877	117337	3.51%	0.236%
2	5.328	547	551	572	rVB	3181759	3230985	96.57%	6.508%
3	6.363	722	727	743	rBV	3123028	3345908	100.00%	6.740%
4	6.487	743	748	751	rVV	3597992	3257877	97.37%	6.562%
5	6.540	754	757	762	rVB3	32479	37632	1.12%	0.076%
6	6.710	783	786	793	rBV	920492	826726	24.71%	1.665%
7	6.869	809	813	816	rBV	2923262	2513503	75.12%	5.063%
8	7.281	879	883	886	rBV	2142979	1984004	59.30%	3.996%
9	7.457	910	913	915	rVB	45599	36315	1.09%	0.073%
10	7.992	1001	1004	1007	rBV	1062575	982159	29.35%	1.978%
11	8.581	1102	1104	1109	rVB	57367	45544	1.36%	0.092%
12	8.710	1123	1126	1132	rBV	122129	113086	3.38%	0.228%
13	8.804	1139	1142	1150	rVB	91267	93798	2.80%	0.189%
14	9.069	1183	1187	1196	rBV	3426102	3213229	96.03%	6.473%
15	9.145	1197	1200	1202	rVV	117303	91486	2.73%	0.184%
16	9.169	1202	1204	1211	rVB2	40240	50221	1.50%	0.101%
17	9.339	1229	1233	1236	rBV	77414	94676	2.83%	0.191%
18	9.404	1241	1244	1247	rVV	104673	121025	3.62%	0.244%
19	9.463	1251	1254	1261	rVV	568222	553367	16.54%	1.115%
20	9.522	1261	1264	1275	rVV	58174	79886	2.39%	0.161%
21	9.610	1275	1279	1283	rBV	189067	166654	4.98%	0.336%
22	9.675	1287	1290	1294	rVB	196973	143676	4.29%	0.289%
23	9.745	1294	1302	1306	rBV2	1149264	1075180	32.13%	2.166%
24	9.780	1306	1308	1311	rVB	156528	123187	3.68%	0.248%
25	9.851	1317	1320	1325	rVB5	29142	38954	1.16%	0.078%
26	9.898	1325	1328	1332	rBV4	33751	53455	1.60%	0.108%
27	9.951	1334	1337	1341	rVV	252510	250611	7.49%	0.505%
28	9.992	1341	1344	1348	rVB4	78305	82817	2.48%	0.167%
29	10.063	1353	1356	1359	rBV2	45237	49853	1.49%	0.100%
30	10.145	1367	1370	1372	rBV2	40036	49201	1.47%	0.099%
31	10.175	1372	1375	1377	rVB	202263	168765	5.04%	0.340%
32	10.292	1392	1395	1401	rVB	320235	320958	9.59%	0.647%
33	10.363	1401	1407	1408	rBV2	27982	42602	1.27%	0.086%
34	10.392	1408	1412	1419	rVB3	58755	106373	3.18%	0.214%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102568.D
Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.451	1419	1422	1425	rBV	101178	88444	2.64%	0.178%
36	10.539	1433	1437	1443	rBV	1586833	1474464	44.07%	2.970%
37	10.645	1452	1455	1464	rVB	188983	267653	8.00%	0.539%
38	10.845	1484	1489	1492	rBV3	73913	99912	2.99%	0.201%
39	10.969	1505	1510	1512	rBV3	69260	76647	2.29%	0.154%
40	10.992	1512	1514	1519	rVV2	70142	76240	2.28%	0.154%
41	11.045	1519	1523	1526	rVV	150247	154439	4.62%	0.311%
42	11.092	1526	1531	1533	rVV2	137554	156575	4.68%	0.315%
43	11.127	1533	1537	1543	rVB2	171501	193993	5.80%	0.391%
44	11.233	1551	1555	1557	rBV	838344	779598	23.30%	1.570%
45	11.263	1557	1560	1563	rVV	2213852	1967390	58.80%	3.963%
46	11.310	1565	1568	1571	rVB	568676	450500	13.46%	0.907%
47	11.469	1592	1595	1601	rBV	157890	165724	4.95%	0.334%
48	11.522	1601	1604	1609	rVV4	95828	97100	2.90%	0.196%
49	11.574	1610	1613	1616	rVB5	51458	60443	1.81%	0.122%
50	11.733	1637	1640	1643	rBV	262181	239353	7.15%	0.482%
51	11.763	1643	1645	1648	rVB	347135	273260	8.17%	0.550%
52	11.810	1651	1653	1656	rVB	98541	86573	2.59%	0.174%
53	11.845	1656	1659	1662	rBV	397818	415022	12.40%	0.836%
54	11.869	1662	1663	1666	rVB	167050	100112	2.99%	0.202%
55	11.927	1670	1673	1675	rBV3	64100	69888	2.09%	0.141%
56	12.033	1688	1691	1693	rVB	159422	148326	4.43%	0.299%
57	12.063	1693	1696	1701	rVB	158444	140954	4.21%	0.284%
58	12.210	1719	1721	1724	rVB	67422	50349	1.50%	0.101%
59	12.239	1724	1726	1728	rVB	50619	39445	1.18%	0.079%
60	12.286	1731	1734	1737	rBV	120656	122756	3.67%	0.247%
61	12.316	1737	1739	1742	rVV4	92455	115457	3.45%	0.233%
62	12.380	1746	1750	1753	rVB2	175773	187851	5.61%	0.378%
63	12.451	1758	1762	1766	rBV	2427560	2276034	68.02%	4.585%
64	12.516	1771	1773	1775	rVB	51853	41096	1.23%	0.083%
65	12.545	1775	1778	1781	rVB	78315	67470	2.02%	0.136%
66	12.598	1784	1787	1790	rVB3	91461	88559	2.65%	0.178%
67	12.680	1794	1801	1804	rBV	2141419	2235715	66.82%	4.503%
68	12.727	1807	1809	1813	rVB2	98201	93783	2.80%	0.189%
69	12.816	1818	1824	1832	rBV	1992740	2176534	65.05%	4.384%
70	12.892	1833	1837	1841	rBV3	133669	230350	6.88%	0.464%
71	13.004	1854	1856	1859	rVB	215311	182012	5.44%	0.367%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102568.D
Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.039	1860	1862	1865	rVV4	58495	55117	1.65%	0.111%
73	13.069	1865	1867	1870	rVV	110679	95706	2.86%	0.193%
74	13.110	1870	1874	1877	rVV2	208290	253175	7.57%	0.510%
75	13.163	1881	1883	1885	rVV	47752	40085	1.20%	0.081%
76	13.198	1887	1889	1892	rVV	96887	97327	2.91%	0.196%
77	13.233	1892	1895	1902	rVV2	117474	168165	5.03%	0.339%
78	13.298	1903	1906	1912	rVB	281605	310180	9.27%	0.625%
79	13.386	1918	1921	1922	rBV2	62044	69041	2.06%	0.139%
80	13.516	1940	1943	1948	rVB	290932	249789	7.47%	0.503%
81	13.621	1958	1961	1964	rBV	229461	249913	7.47%	0.503%
82	13.651	1964	1966	1968	rVB	182012	141234	4.22%	0.284%
83	13.674	1968	1970	1974	rBV2	141782	225603	6.74%	0.454%
84	13.710	1974	1976	1977	rBV2	246343	203394	6.08%	0.410%
85	13.868	1997	2003	2007	rBV2	1332573	2253990	67.37%	4.540%
86	13.904	2007	2009	2012	rVB	1073343	846784	25.31%	1.706%
87	13.980	2020	2022	2025	rVB	129401	97940	2.93%	0.197%
88	14.027	2027	2030	2035	rBV4	134000	174681	5.22%	0.352%
89	14.110	2042	2044	2046	rVB	114655	80105	2.39%	0.161%
90	14.263	2068	2070	2073	rVB	188778	161580	4.83%	0.325%
91	14.386	2089	2091	2093	rBV	103250	77569	2.32%	0.156%
92	14.904	2174	2179	2182	rBV	911326	1438520	42.99%	2.898%
93	15.004	2193	2196	2200	rVB	181796	189776	5.67%	0.382%
94	15.192	2224	2228	2233	rVB	481573	602377	18.00%	1.213%
95	15.251	2234	2238	2242	rVB	756755	840341	25.12%	1.693%
96	15.310	2244	2248	2251	rBV	551739	669507	20.01%	1.349%
97	15.715	2314	2317	2322	rVB3	168262	219697	6.57%	0.443%
98	16.709	2482	2486	2495	rVB2	268328	551020	16.47%	1.110%
99	17.133	2555	2558	2568	rVB	185962	330312	9.87%	0.665%

Sum of corrected areas: 49643999

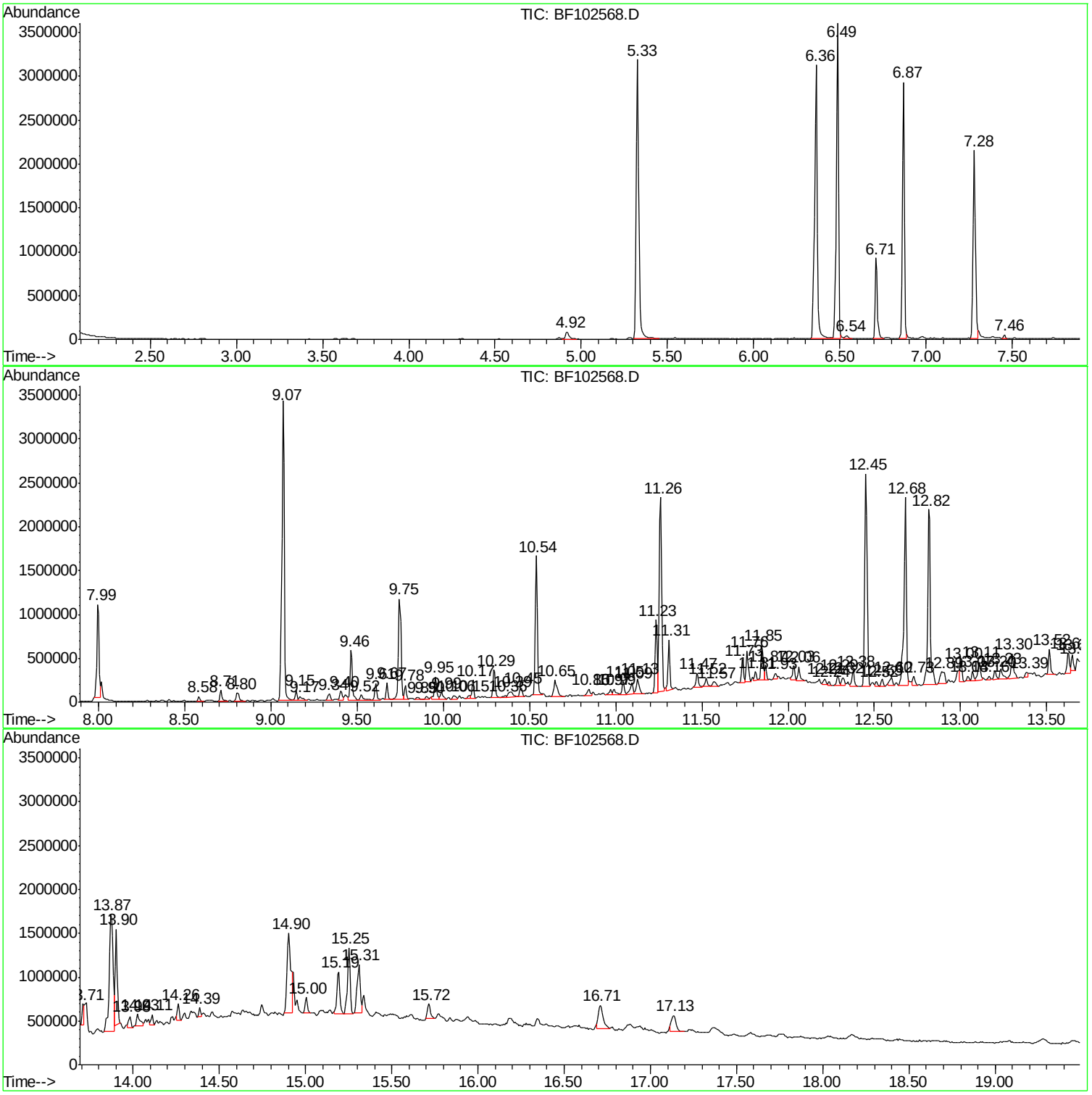
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102568.D
Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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\BF012818\
Data File : BF102568.D
Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

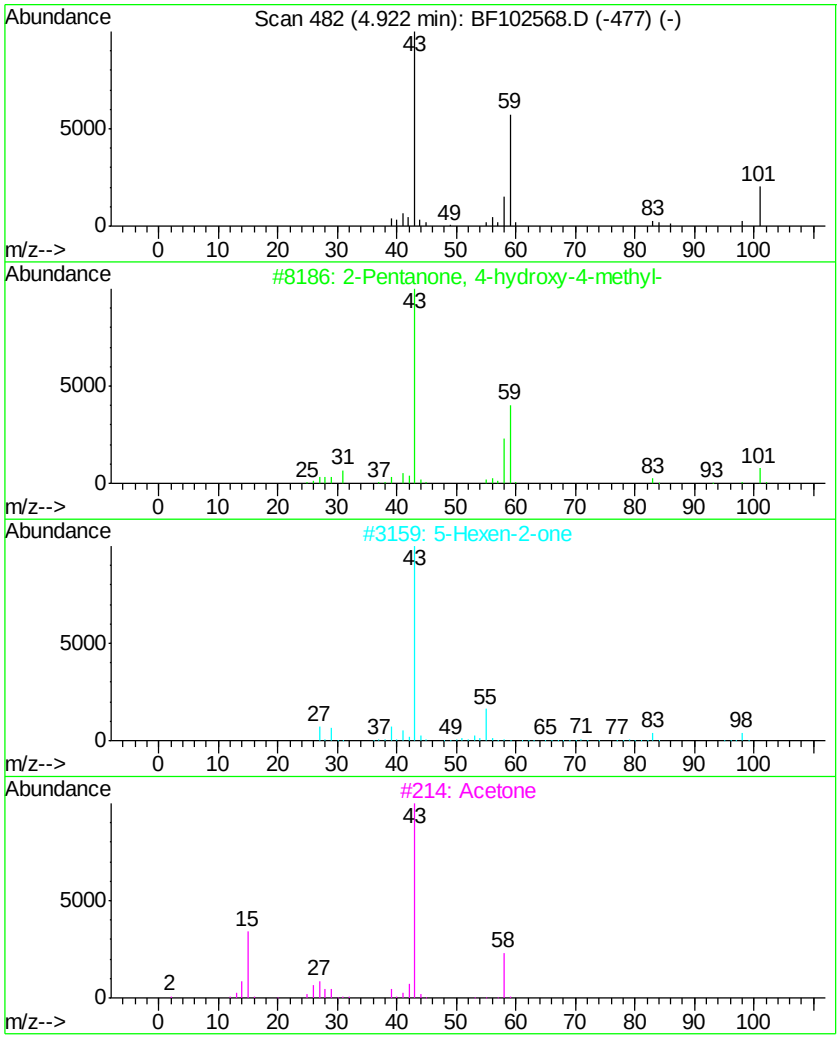
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

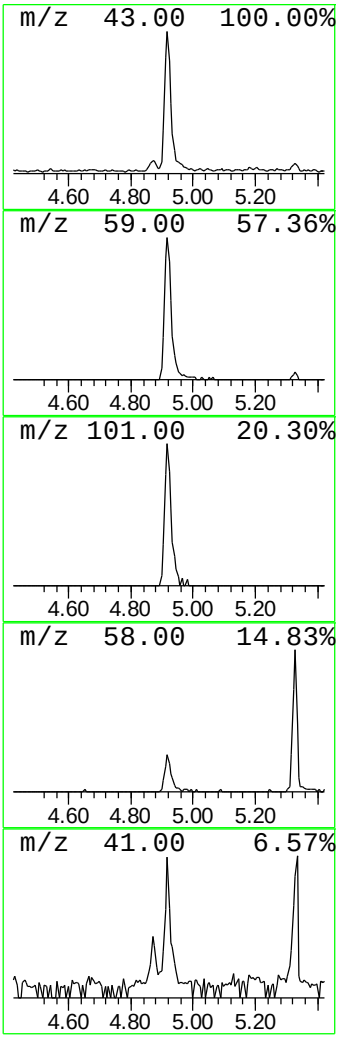
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.92	2.84 ng	117337	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	5-Hexen-2-one	98	C6H10O	000109-49-9	9
3	Acetone	58	C3H6O	000067-64-1	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102568.D
Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

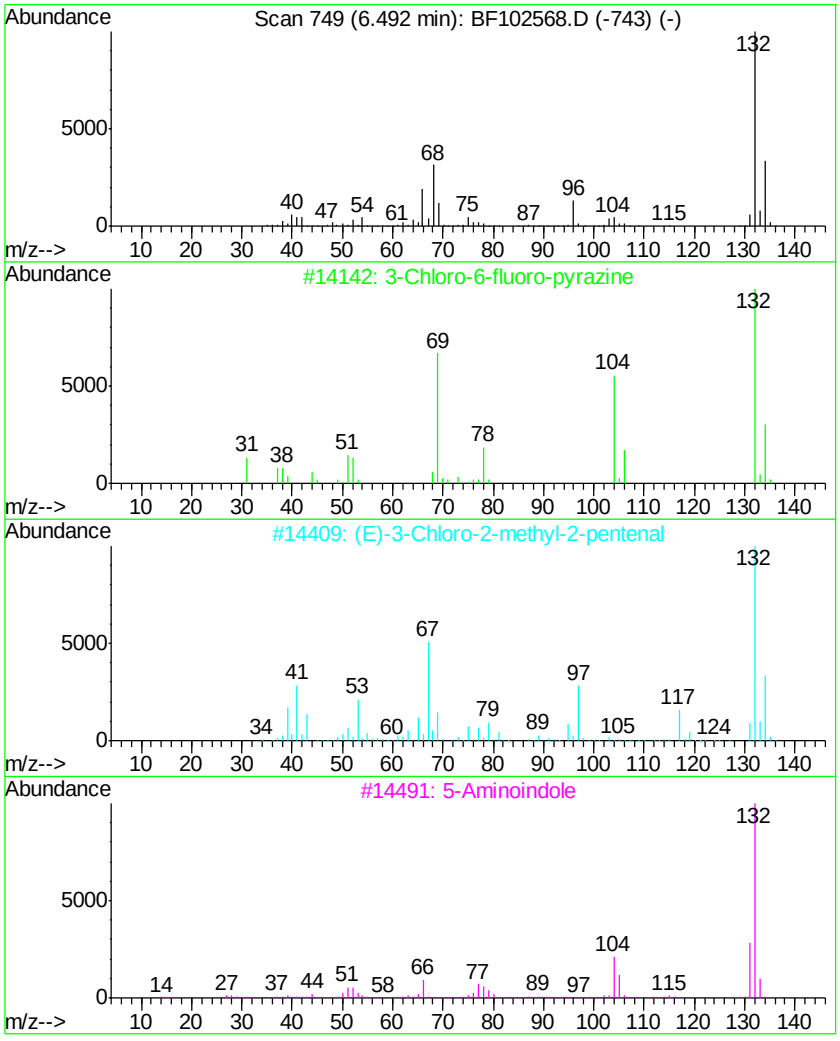
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

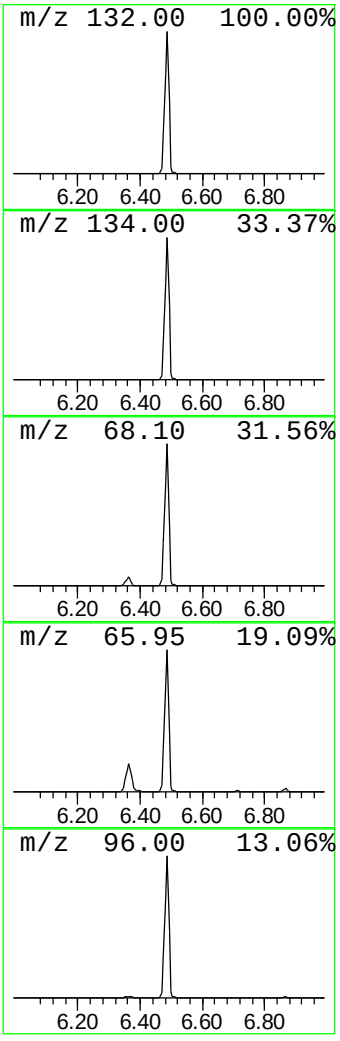
****

Peak Number 2 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	78.81 ng	3257880	1,4-Dichlorobenzene-d4	6.71

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	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102568.D
Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

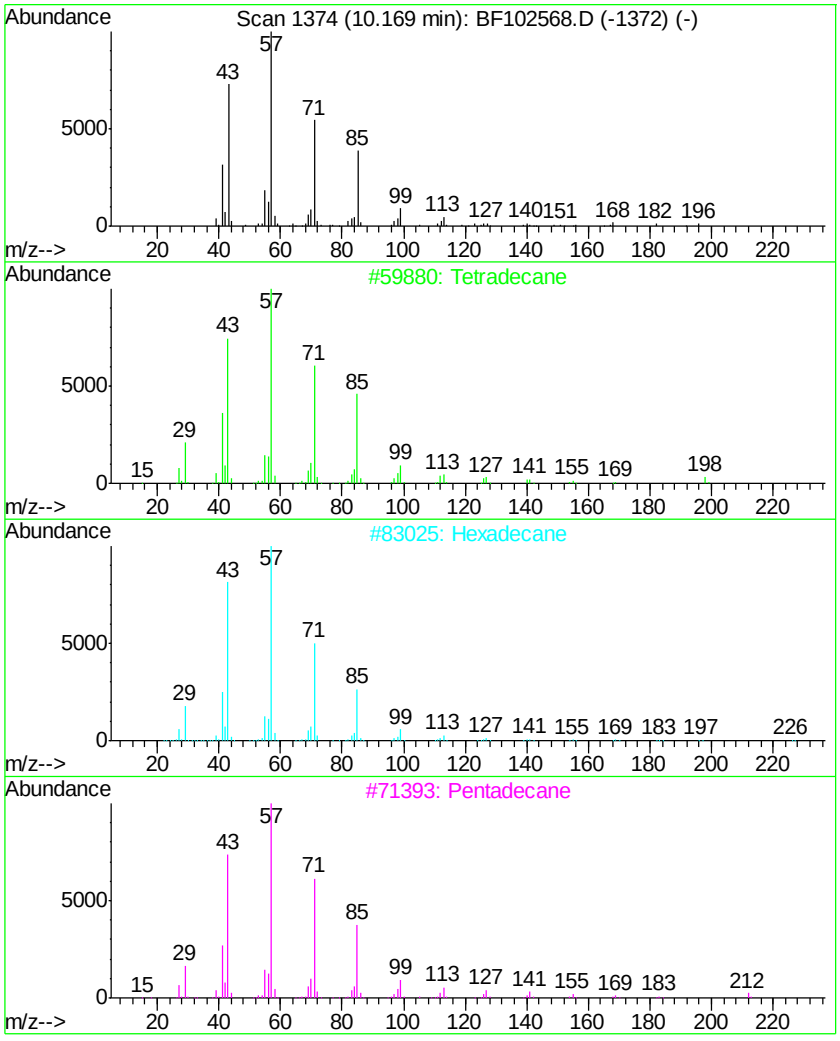
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

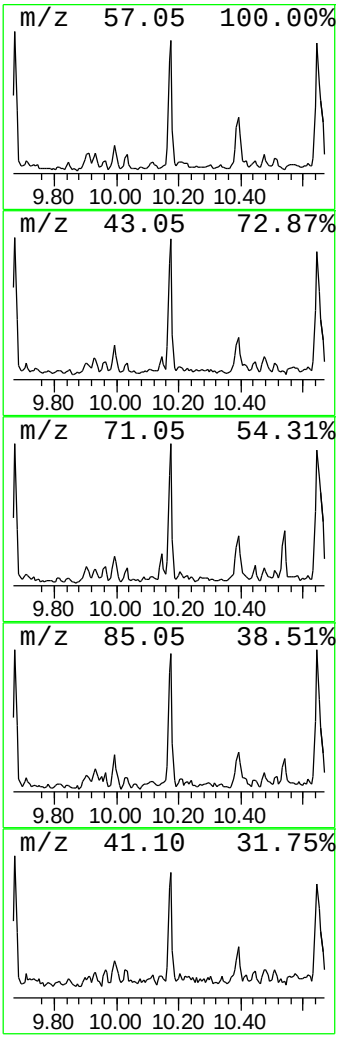
****

Peak Number 4 Tetradecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	3.14 ng	168765	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Tetratetracontane	619	C44H90	007098-22-8	83
5	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102568.D
Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

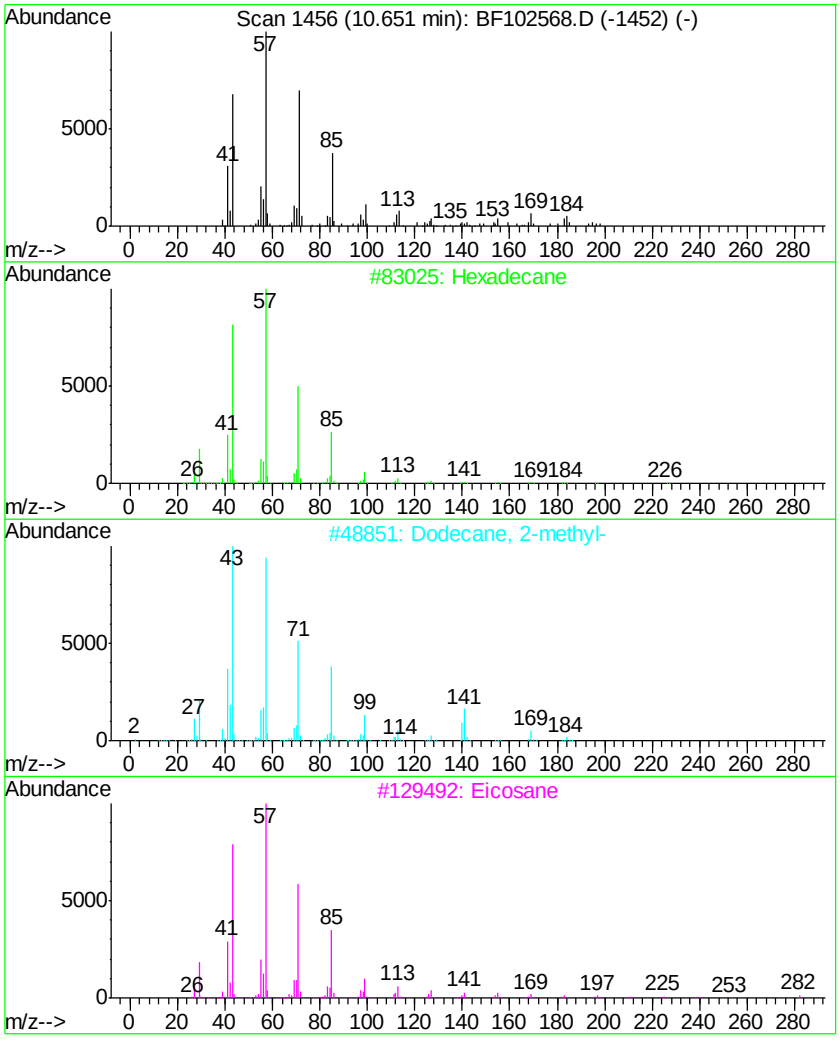
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

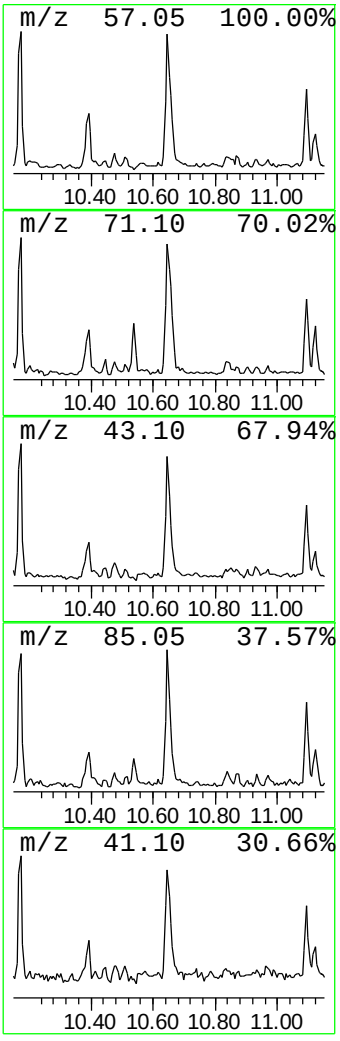
****

Peak Number 5 Hexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	6.87 ng	267653	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	86
3	Eicosane	282	C20H42	000112-95-8	86
4	Tridecane, 6-propyl-	226	C16H34	055045-10-8	83
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102568.D
Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

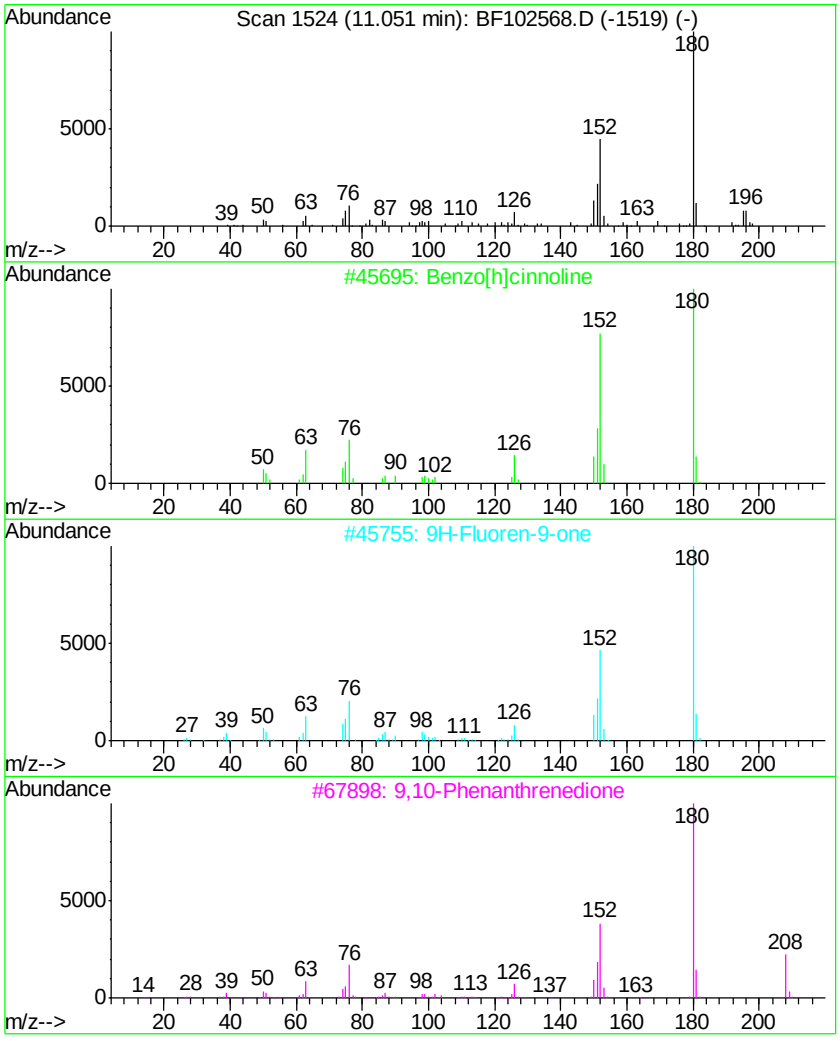
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

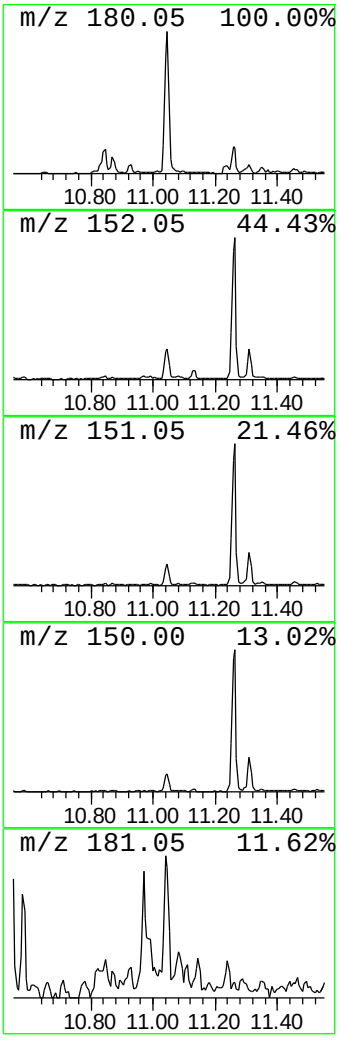
****

Peak Number 6 Benzo[h]cinnoline Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	3.96 ng	154439	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
5	Benzaldehyde, 4-nitro-, O-methyl...	180	C8H8N2O3	033499-32-0	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102568.D
Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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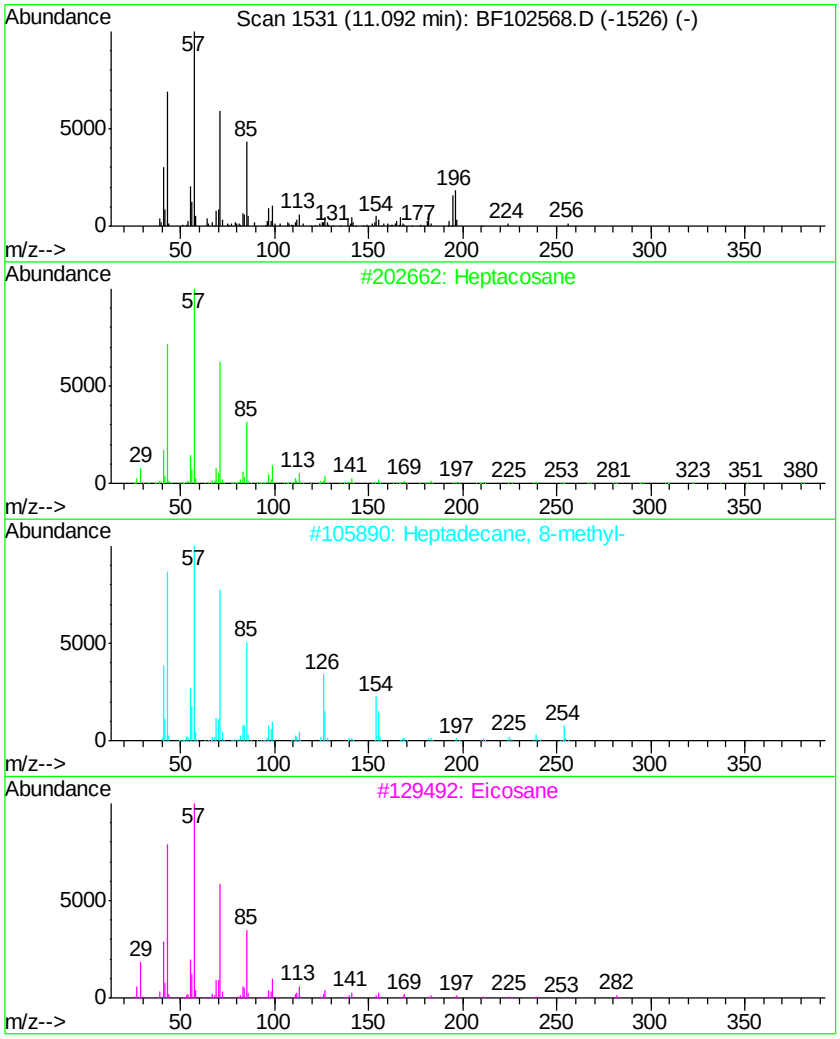
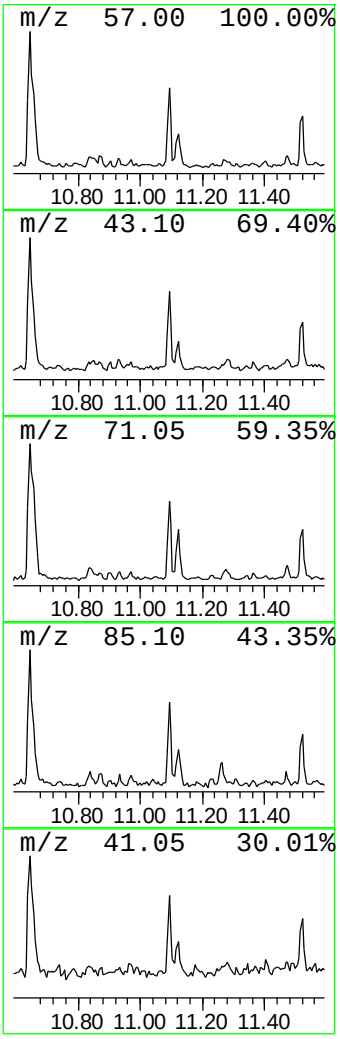
Peak Number 7 Heptacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	4.02 ng	156575	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	76
2	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	72
3	Eicosane	282	C20H42	000112-95-8	62
4	Hexadecane	226	C16H34	000544-76-3	58
5	Pentadecane	212	C15H32	000629-62-9	58





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Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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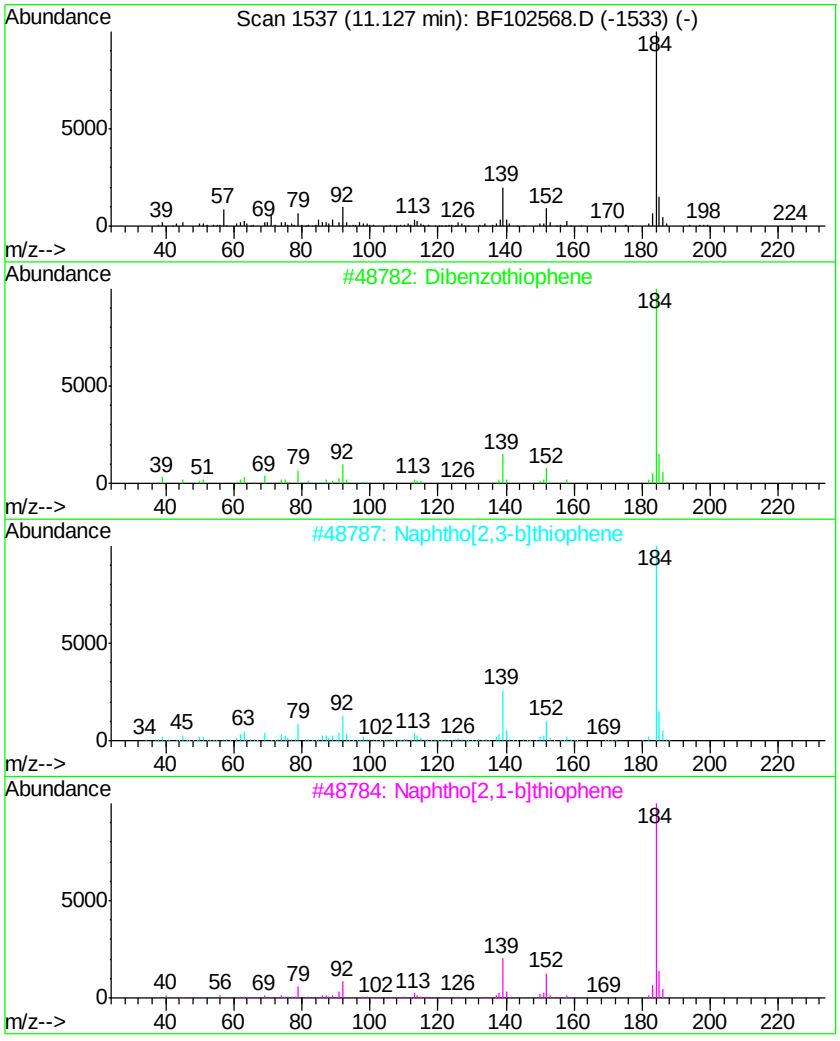
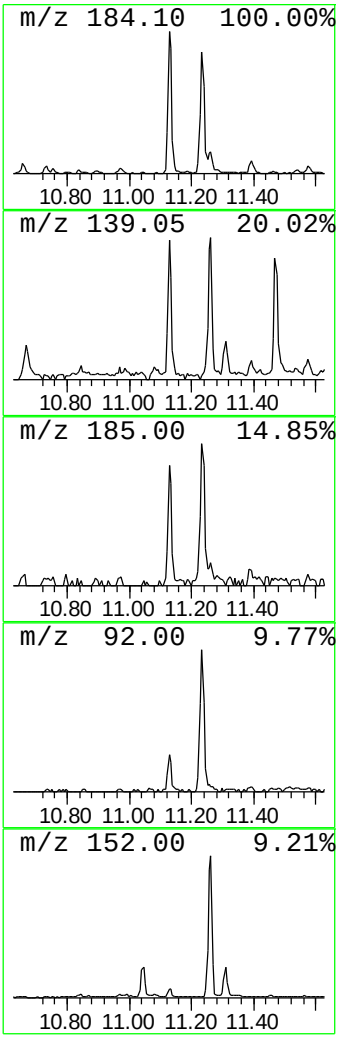
Peak Number 8 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	4.98 ng	193993	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	80





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Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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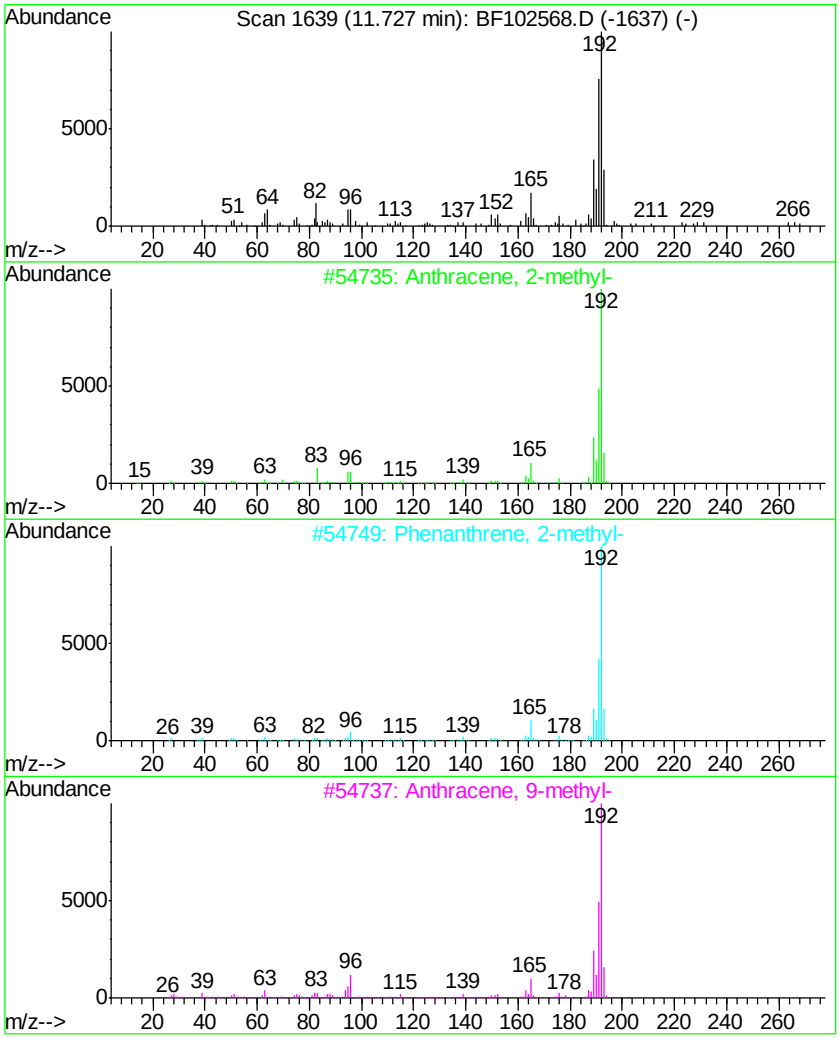
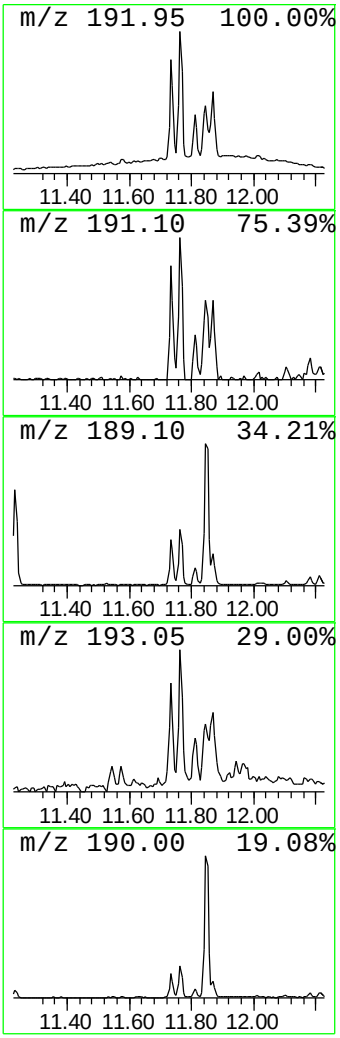
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	6.14 ng	239353	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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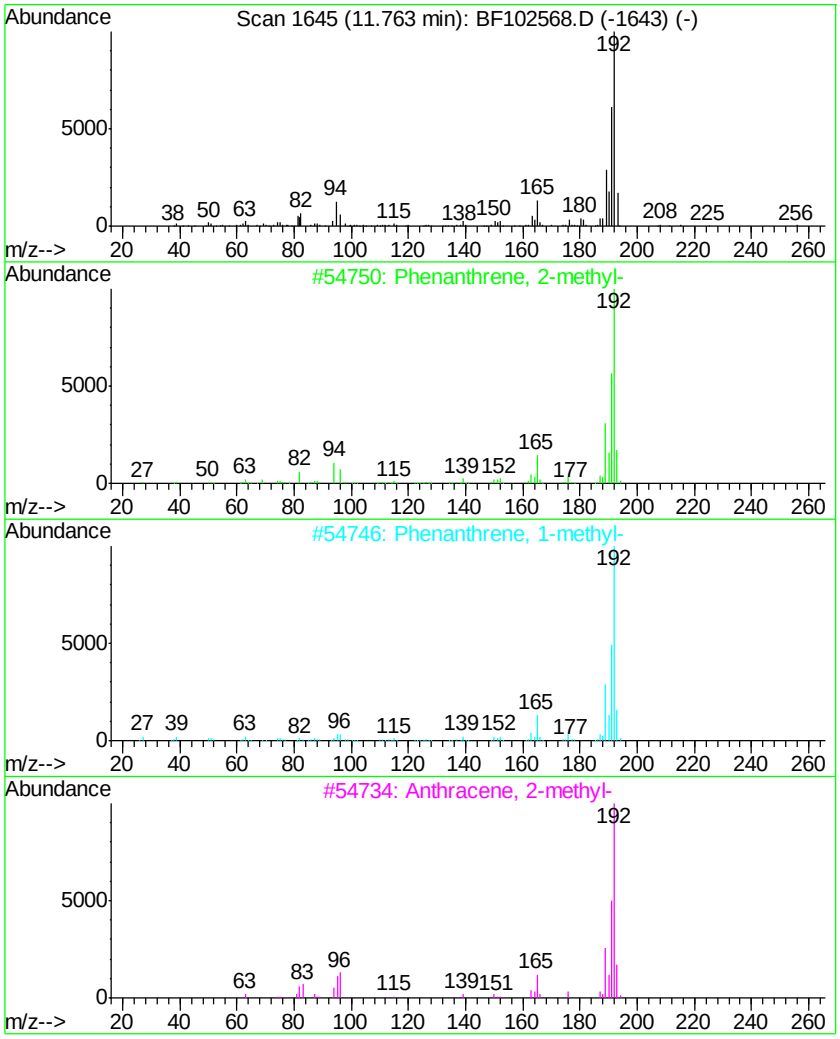
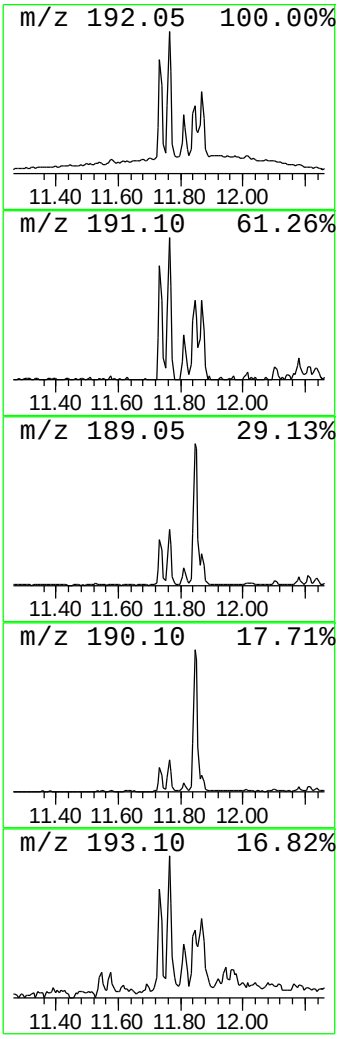
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	7.01 ng	273260	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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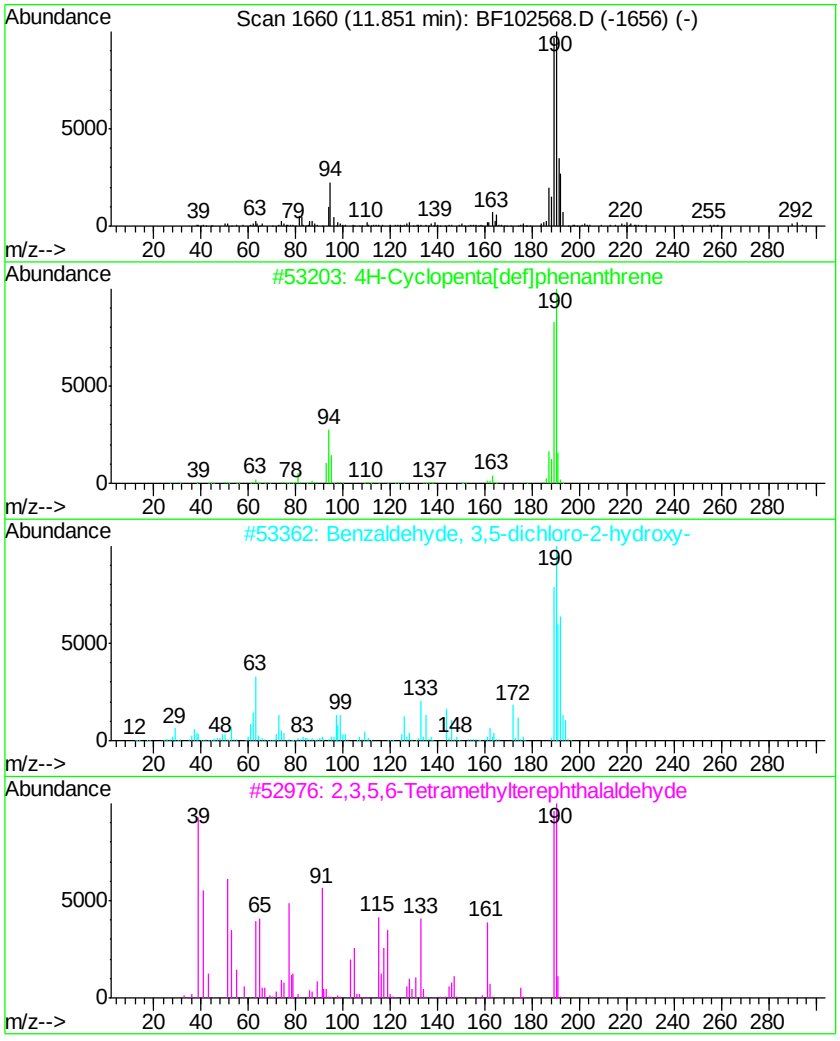
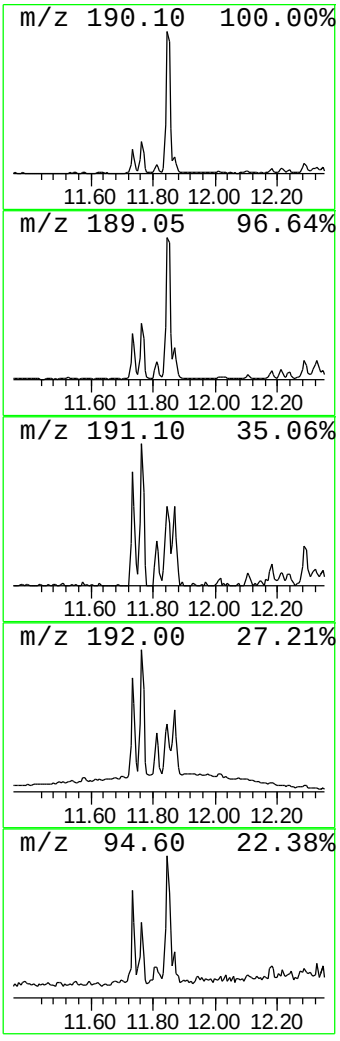
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	10.65 ng	415022	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	38
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
4	1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	23
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	23





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Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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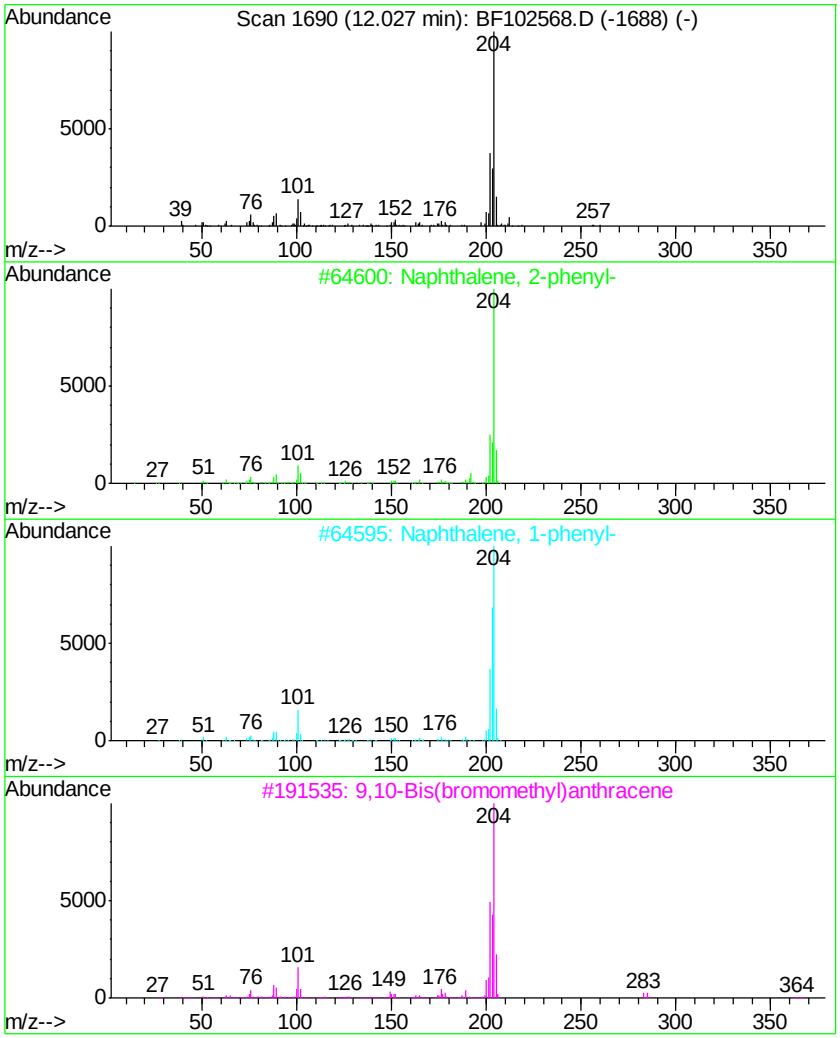
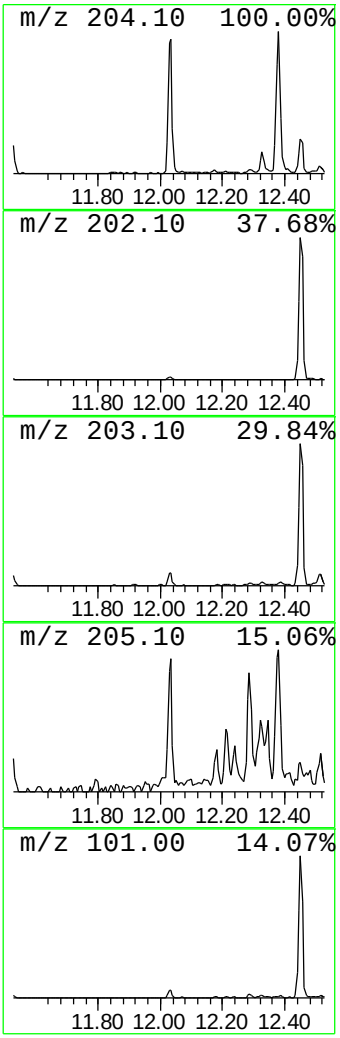
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.81 ng	148326	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	47





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Data File : BF102568.D
Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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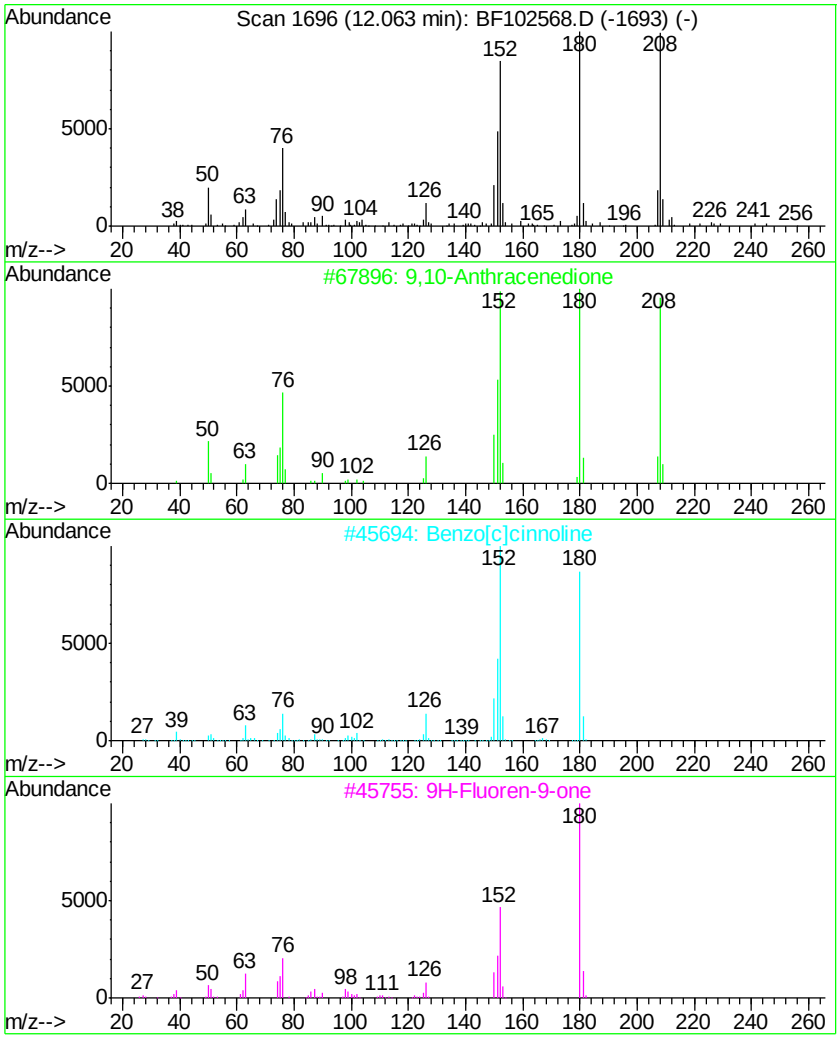
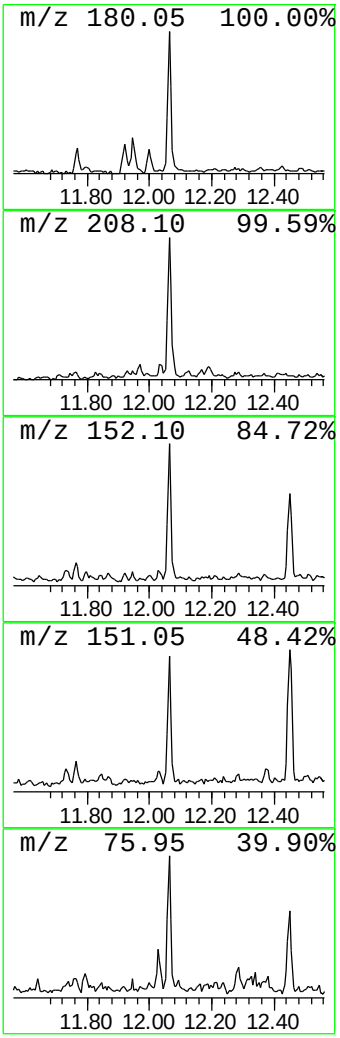
Peak Number 13 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	3.62 ng	140954	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	49





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Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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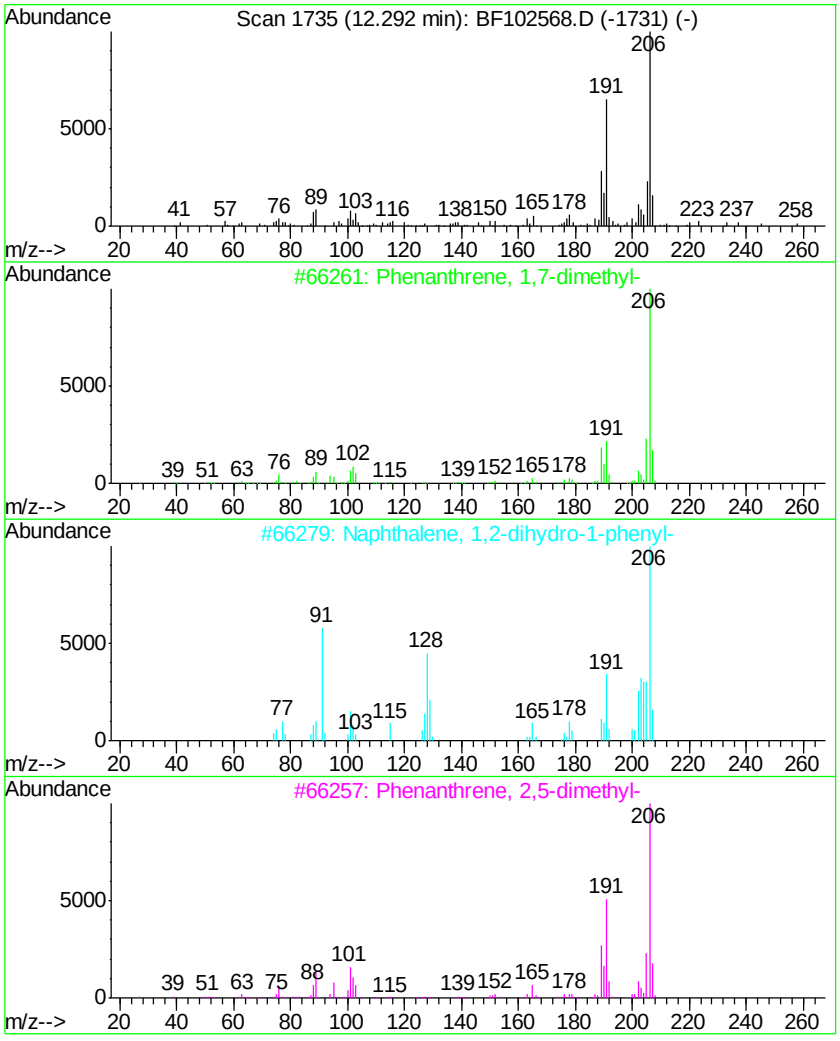
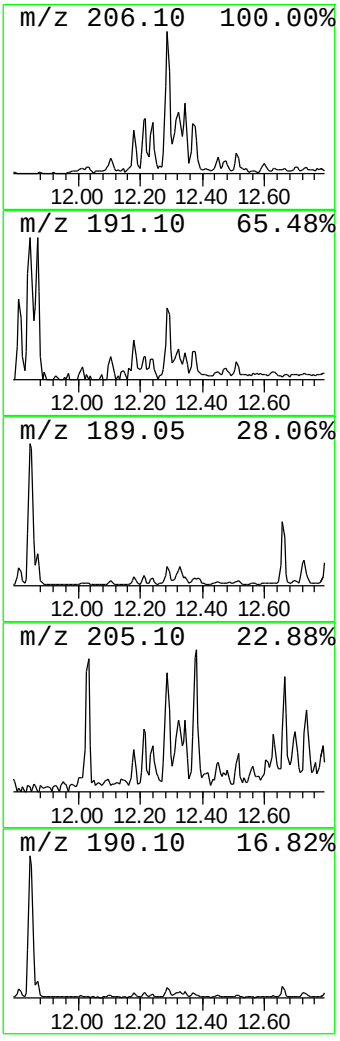
Peak Number 14 Phenanthrene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	3.15 ng	122756	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90





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Acq On : 28 Jan 2018 20:10
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Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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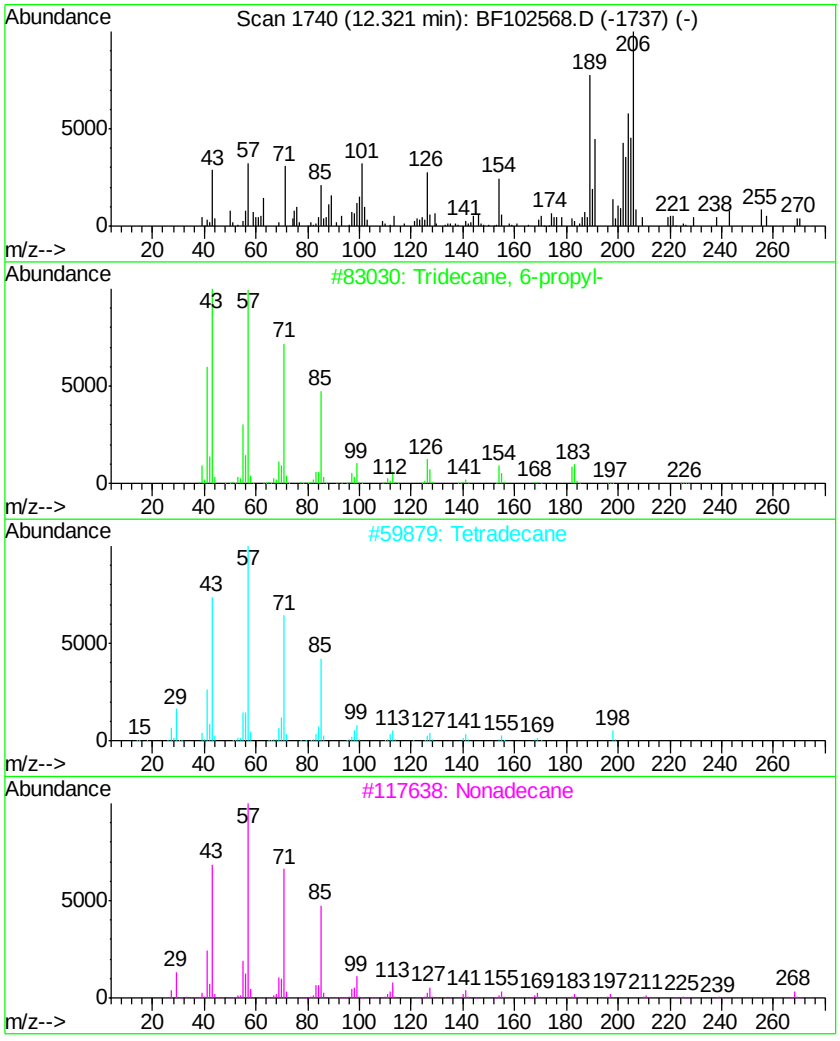
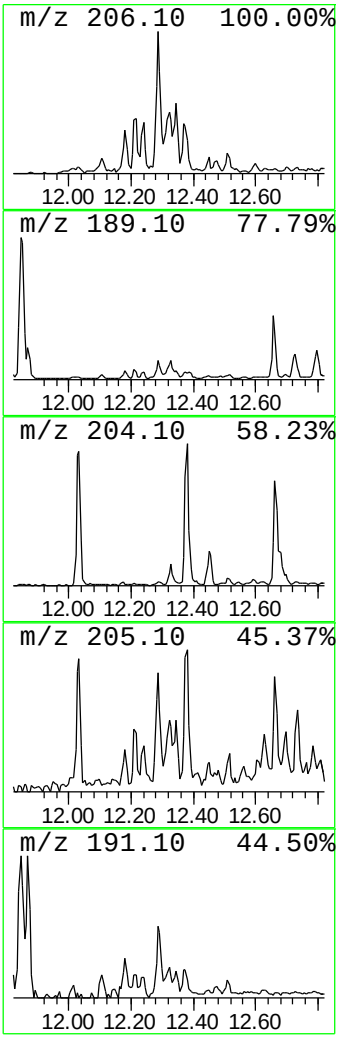
Peak Number 15 Tridecane, 6-propyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	2.96 ng	115457	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-propyl-	226	C16H34	055045-10-8	52
2	Tetradecane	198	C14H30	000629-59-4	51
3	Nonadecane	268	C19H40	000629-92-5	50
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	43
5	Tridecane	184	C13H28	000629-50-5	30





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Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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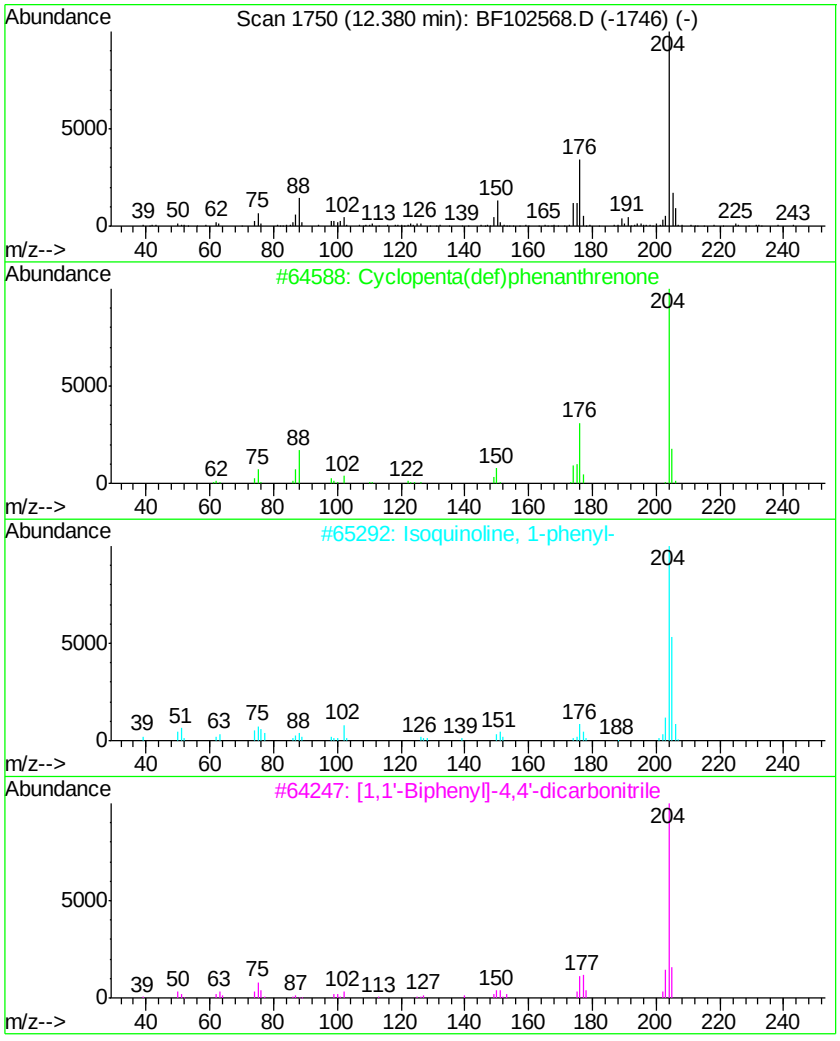
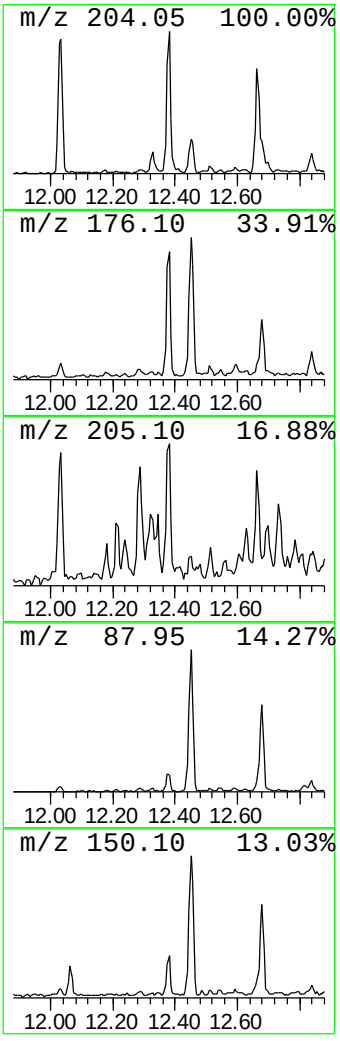
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	4.82 ng	187851	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53
5	4,5,6,7-Tetrafluoro-2-methyl-1H-...	204	C8H4F4N2	081430-75-3	53





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Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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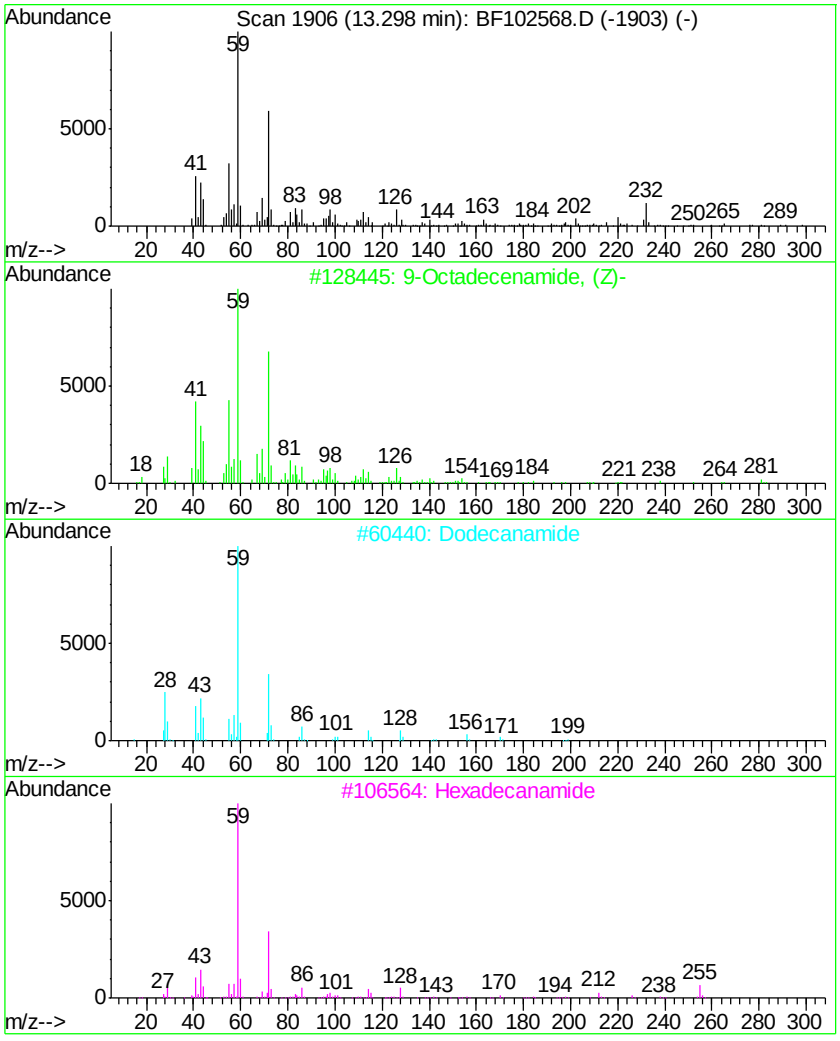
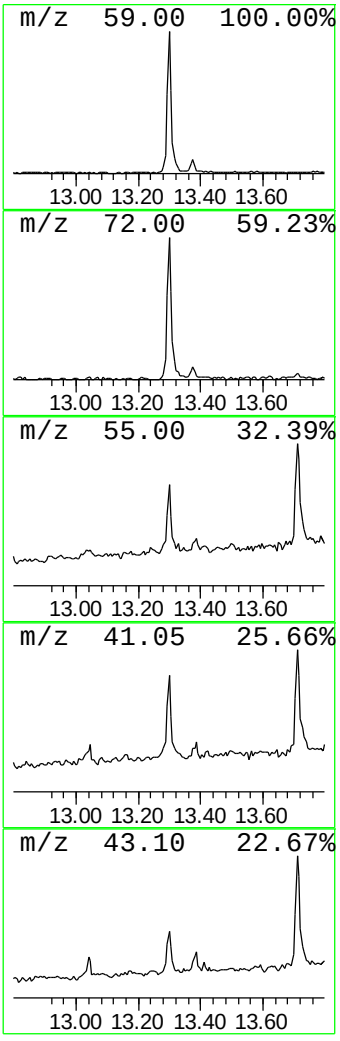
Peak Number 17 9-Octadecenamide, (Z)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	2.75 ng	310180	Chrysene-d12	13.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	95
2	Dodecanamide	199	C12H25NO	001120-16-7	70
3	Hexadecanamide	255	C16H33NO	000629-54-9	64
4	Nonanamide	157	C9H19NO	001120-07-6	53
5	Octanamide	143	C8H17NO	000629-01-6	50





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Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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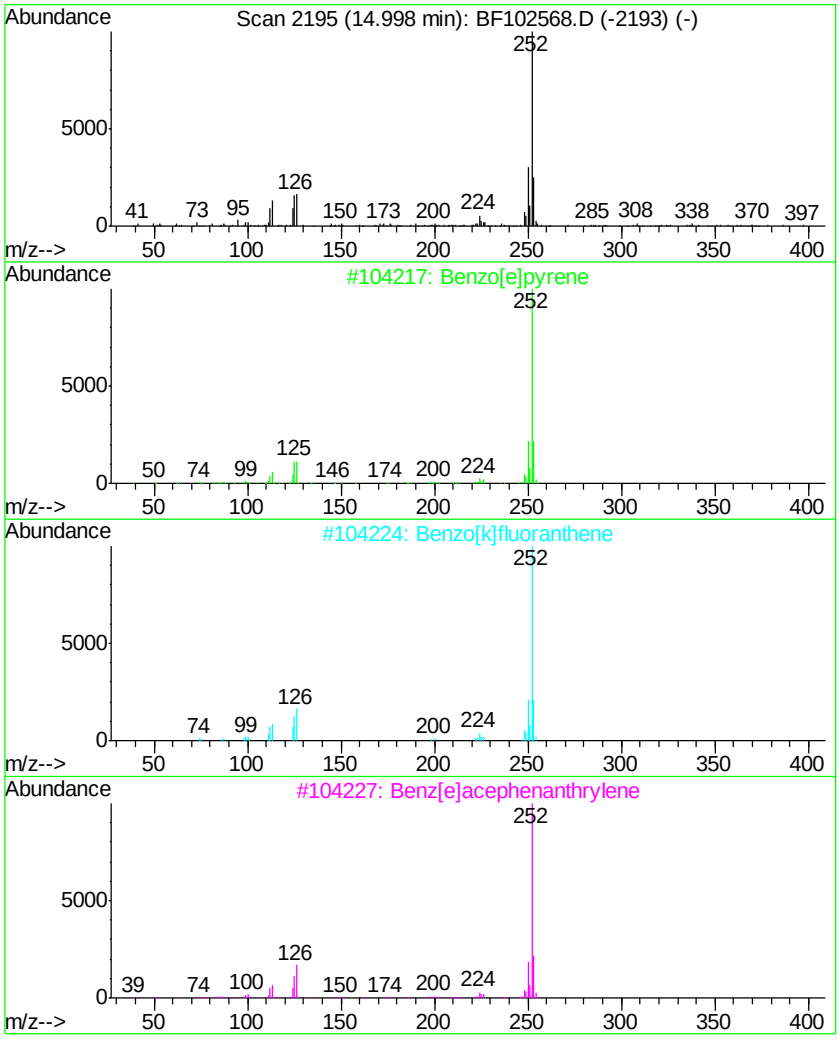
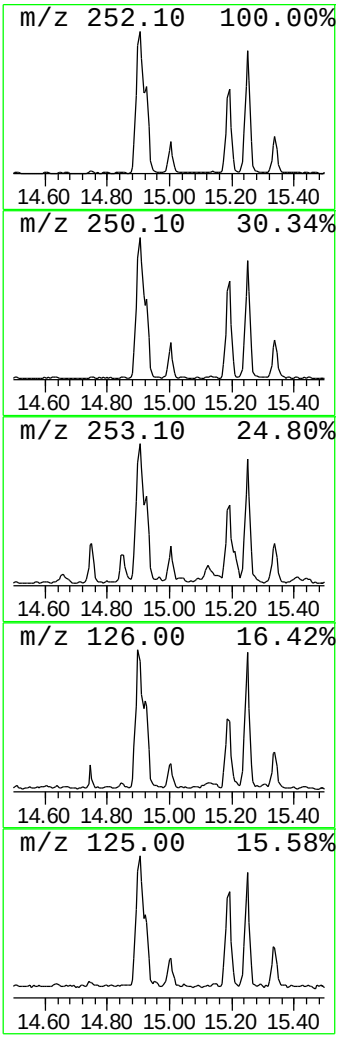
Peak Number 18 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	5.67 ng	189776	Perylene-d12	15.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	74





Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102568.D
Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

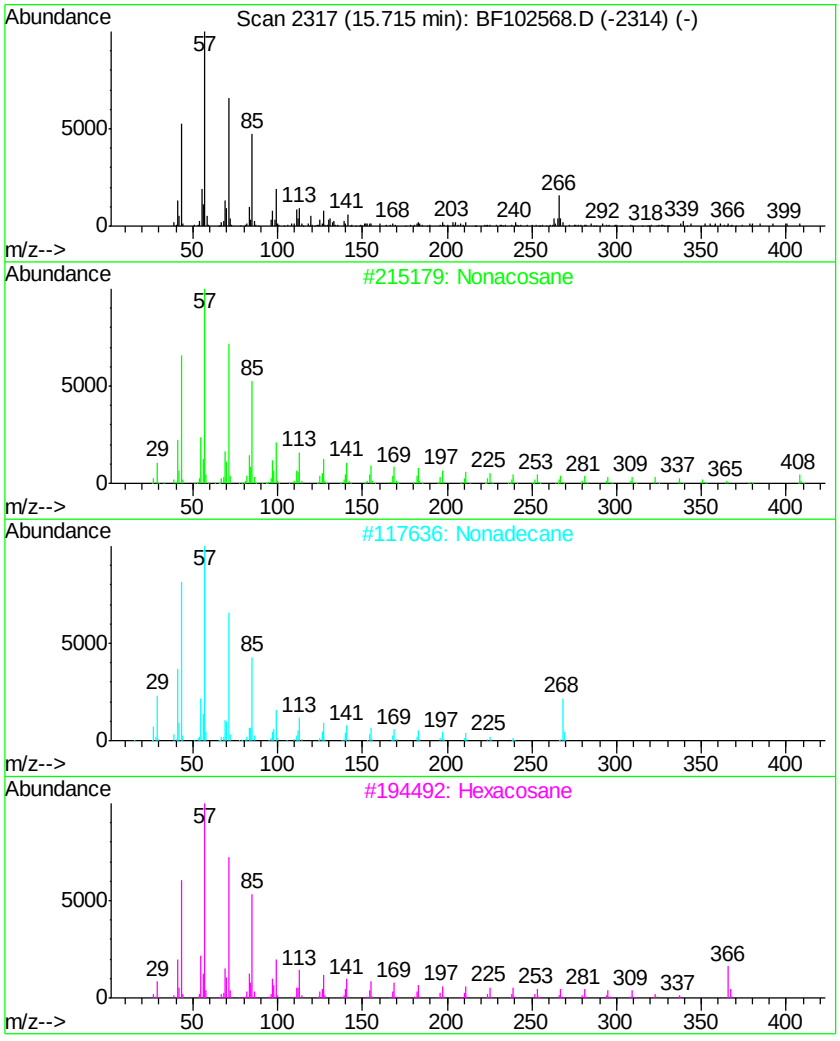
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

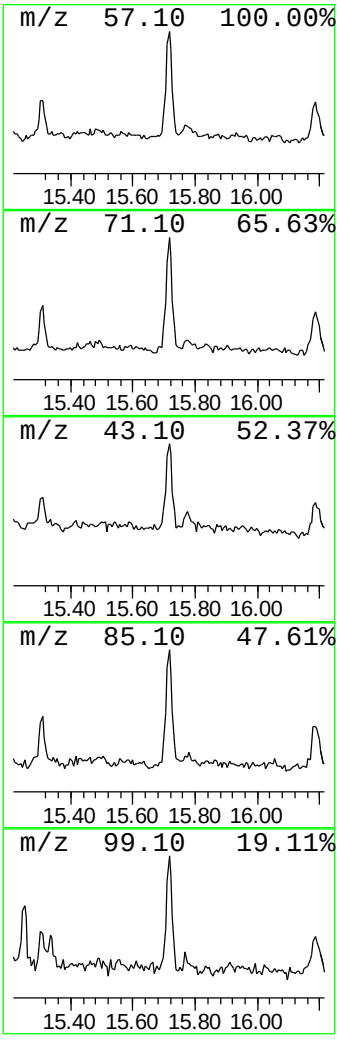
****

Peak Number 20 Nonacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	6.56 ng	219697	Perylene-d12	15.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonacosane	408	C29H60	000630-03-5	76
2	Nonadecane	268	C19H40	000629-92-5	76
3	Hexacosane	366	C26H54	000630-01-3	70
4	Heptadecane	240	C17H36	000629-78-7	68
5	Octadecane	254	C18H38	000593-45-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012818\
Data File : BF102568.D
Acq On : 28 Jan 2018 20:10
Operator : SJ/JU
Sample : J1253-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-01(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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...	4.92	2.8	ng	117337	1	6.71	826726	20.0
unknown6.49	6.49	78.8	ng	3257880	1	6.71	826726	20.0
Tetradecane	10.17	3.1	ng	168765	3	9.75	1075180	20.0
Hexadecane	10.65	6.9	ng	267653	4	11.23	779598	20.0
Benzo[h]cinnoline	11.05	4.0	ng	154439	4	11.23	779598	20.0
Heptacosane	11.09	4.0	ng	156575	4	11.23	779598	20.0
Dibenzothiophene	11.13	5.0	ng	193993	4	11.23	779598	20.0
Anthracene, 2-met...	11.73	6.1	ng	239353	4	11.23	779598	20.0
Phenanthrene, 2-m...	11.76	7.0	ng	273260	4	11.23	779598	20.0
4H-Cyclopenta[def...	11.85	10.7	ng	415022	4	11.23	779598	20.0
Naphthalene, 2-ph...	12.03	3.8	ng	148326	4	11.23	779598	20.0
9,10-Anthracenedione	12.06	3.6	ng	140954	4	11.23	779598	20.0
Phenanthrene, 1,7...	12.29	3.1	ng	122756	4	11.23	779598	20.0
Tridecane, 6-propyl-	12.32	3.0	ng	115457	4	11.23	779598	20.0
Cyclopenta(def)ph...	12.38	4.8	ng	187851	4	11.23	779598	20.0
9-Octadecenamide,...	13.30	2.8	ng	310180	5	13.88	2253990	20.0
Benzo[e]pyrene	15.00	5.7	ng	189776	6	15.31	669507	20.0
Nonacosane	15.72	6.6	ng	219697	6	15.31	669507	20.0