LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103213.D
Acq On : 26 Feb 2018 12:47
Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

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-BF022218.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	4	11	20	rVB	1252798	1745254	40.14%	2.817%
2	5.075	503	508	511	rBV	30952	46496	1.07%	0.075%
3	5.110	511	514	524	rVB	206890	296343	6.82%	0.478%
4	5.498	575	580	583	rBV	4135279	4347770	100.00%	7.016%
5	6.504	746	751	754	rBV	3628858	4323343	99.44%	6.977%
6	6.645	770	775	778	rBV	4058109	4323981	99.45%	6.978%
7	6.869	809	813	819	rBV	1299626	1059421	24.37%	1.710%
8	7.028	835	840	843	rBV	3531453	3281892	75.48%	5.296%
9	7.434	904	909	919	rBV	2698884	3108337	71.49%	5.016%
10	8.151	1027	1031	1034	rBV	1564887	1391851	32.01%	2.246%
11	8.175	1034	1035	1043	rVB	174101	115291	2.65%	0.186%
12	8.863	1149	1152	1156	rBV	61401	58568	1.35%	0.095%
13	8.963	1164	1169	1173	rBV	64365	58562	1.35%	0.095%
14	9.228	1209	1214	1217	rBV	4096796	3866331	88.93%	6.240%
15	9.298	1223	1226	1229	rBV	95729	80148	1.84%	0.129%
16	9.492	1255	1259	1263	rBV2	31078	44447	1.02%	0.072%
17	9.569	1267	1272	1274	rVV3	61245	89089	2.05%	0.144%
18	9.616	1277	1280	1287	rVB	353438	360258	8.29%	0.581%
19	9.769	1302	1306	1309	rBV	136086	118619	2.73%	0.191%
20	9.827	1312	1316	1320	rVB	206921	175588	4.04%	0.283%
21	9.910	1326	1330	1333	rBV	1501629	1394049	32.06%	2.250%
22	9.939	1333	1335	1338	rVB	198037	157007	3.61%	0.253%
23	10.063	1351	1356	1358	rBV3	47120	68391	1.57%	0.110%
24	10.110	1361	1364	1368	rVV	145333	152657	3.51%	0.246%
25	10.145	1368	1370	1374	rVB2	67599	73872	1.70%	0.119%
26	10.222	1380	1383	1386	rBV3	36577	44775	1.03%	0.072%
27	10.327	1394	1401	1404	rBV	249506	247548	5.69%	0.399%
28	10.457	1419	1423	1429	rVB	260713	239570	5.51%	0.387%
29	10.545	1432	1438	1440	rVV3	78603	104525	2.40%	0.169%
30	10.610	1444	1449	1455	rVB3	80292	114102	2.62%	0.184%
31	10.704	1460	1465	1468	rBV	2225614	2373584	54.59%	3.831%
32	10.798	1479	1481	1491	rVB	194016	253759	5.84%	0.410%
33	11.004	1511	1516	1518	rBV4	69901	83981	1.93%	0.136%
34	11.127	1533	1537	1539	rBV3	69332	86011	1.98%	0.139%

LSC Area Percent Report

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Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

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-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.151	1539	1541	1546	rVV3	64702	87279	2.01%	0.141%
36	11.204	1547	1550	1553	rVV	137988	120789	2.78%	0.195%
37	11.245	1554	1557	1560	rVV3	114474	137301	3.16%	0.222%
38	11.292	1563	1565	1570	rVB	173110	154736	3.56%	0.250%
39	11.398	1579	1583	1585	rBV	1308440	1262670	29.04%	2.038%
40	11.422	1585	1587	1591	rVV	2267580	2116442	48.68%	3.416%
41	11.474	1591	1596	1599	rVV	645814	584673	13.45%	0.944%
42	11.510	1599	1602	1607	rVB2	67057	82360	1.89%	0.133%
43	11.627	1618	1622	1628	rBV2	299357	355220	8.17%	0.573%
44	11.727	1637	1639	1644	rVB3	55854	71033	1.63%	0.115%
45	11.898	1665	1668	1670	rBV	294373	279001	6.42%	0.450%
46	11.927	1670	1673	1678	rVB	398411	366895	8.44%	0.592%
47	11.974	1678	1681	1684	rBV	138842	119629	2.75%	0.193%
48	12.016	1684	1688	1690	rBV	420644	495580	11.40%	0.800%
49	12.080	1696	1699	1701	rBV2	77501	63938	1.47%	0.103%
50	12.192	1715	1718	1721	rBV	203627	167760	3.86%	0.271%
51	12.227	1721	1724	1729	rVB	154950	159087	3.66%	0.257%
52	12.374	1747	1749	1751	rVB	77594	54623	1.26%	0.088%
53	12.398	1751	1753	1756	rVB	86904	65551	1.51%	0.106%
54	12.451	1758	1762	1764	rBV	164488	180653	4.16%	0.292%
55	12.474	1764	1766	1770	rVV4	107298	180644	4.15%	0.292%
56	12.539	1774	1777	1781	rVB3	147231	169490	3.90%	0.274%
57	12.621	1786	1791	1794	rBV	2539207	2675171	61.53%	4.317%
58	12.674	1798	1800	1803	rVB	69193	54662	1.26%	0.088%
59	12.710	1803	1806	1808	rBV	74946	64870	1.49%	0.105%
60	12.768	1813	1816	1818	rVB	109887	104448	2.40%	0.169%
61	12.851	1823	1830	1835	rVV	2145577	2676495	61.56%	4.319%
62	12.892	1835	1837	1841	rVB2	158116	158479	3.65%	0.256%
63	12.986	1846	1853	1856	rBV	2715199	2904929	66.81%	4.688%
64	13.057	1861	1865	1866	rBV	128374	155573	3.58%	0.251%
65	13.151	1877	1881	1882	rBV3	124258	170838	3.93%	0.276%
66	13.168	1882	1884	1887	rVB	277646	273666	6.29%	0.442%
67	13.204	1887	1890	1893	rBV5	54336	78804	1.81%	0.127%
68	13.239	1893	1896	1898	rBV	163540	132276	3.04%	0.213%
69	13.274	1898	1902	1905	rBV2	219249	236376	5.44%	0.381%
70	13.368	1916	1918	1920	rBV	129848	89358	2.06%	0.144%
71	13.398	1921	1923	1927	rBV2	113048	120519	2.77%	0.194%

LSC Area Percent Report

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Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

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-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.680	1969	1971	1976	rVB	200888	189529	4.36%	0.306%
73	13.792	1987	1990	1993	rBV2	222938	223546	5.14%	0.361%
74	13.821	1993	1995	1997	rVV	153273	125178	2.88%	0.202%
75	13.845	1997	1999	2000	rVV	155606	130317	3.00%	0.210%
76	13.863	2000	2002	2005	rVV3	242856	316019	7.27%	0.510%
77	13.892	2005	2007	2010	rVB	243095	206555	4.75%	0.333%
78	14.039	2028	2032	2036	rBV2	1261967	2035720	46.82%	3.285%
79	14.074	2036	2038	2045	rVB	1170106	992021	22.82%	1.601%
80	14.151	2049	2051	2054	rBV	166714	127650	2.94%	0.206%
81	14.798	2158	2161	2165	rVB	232386	214033	4.92%	0.345%
82	15.109	2209	2214	2217	rBV	866114	1509045	34.71%	2.435%
83	15.215	2229	2232	2238	rVB	170123	194199	4.47%	0.313%
84	15.415	2262	2266	2272	rVB	553742	772896	17.78%	1.247%
85	15.480	2273	2277	2282	rVV	765616	999438	22.99%	1.613%
86	15.545	2284	2288	2291	rVV	660807	907481	20.87%	1.465%
87	15.574	2291	2293	2300	rVB	268826	367734	8.46%	0.593%
88	17.056	2539	2545	2553	rVB2	349115	685499	15.77%	1.106%
89	17.515	2618	2623	2631	rVB	242148	510915	11.75%	0.825%

Sum of corrected areas: 61965013

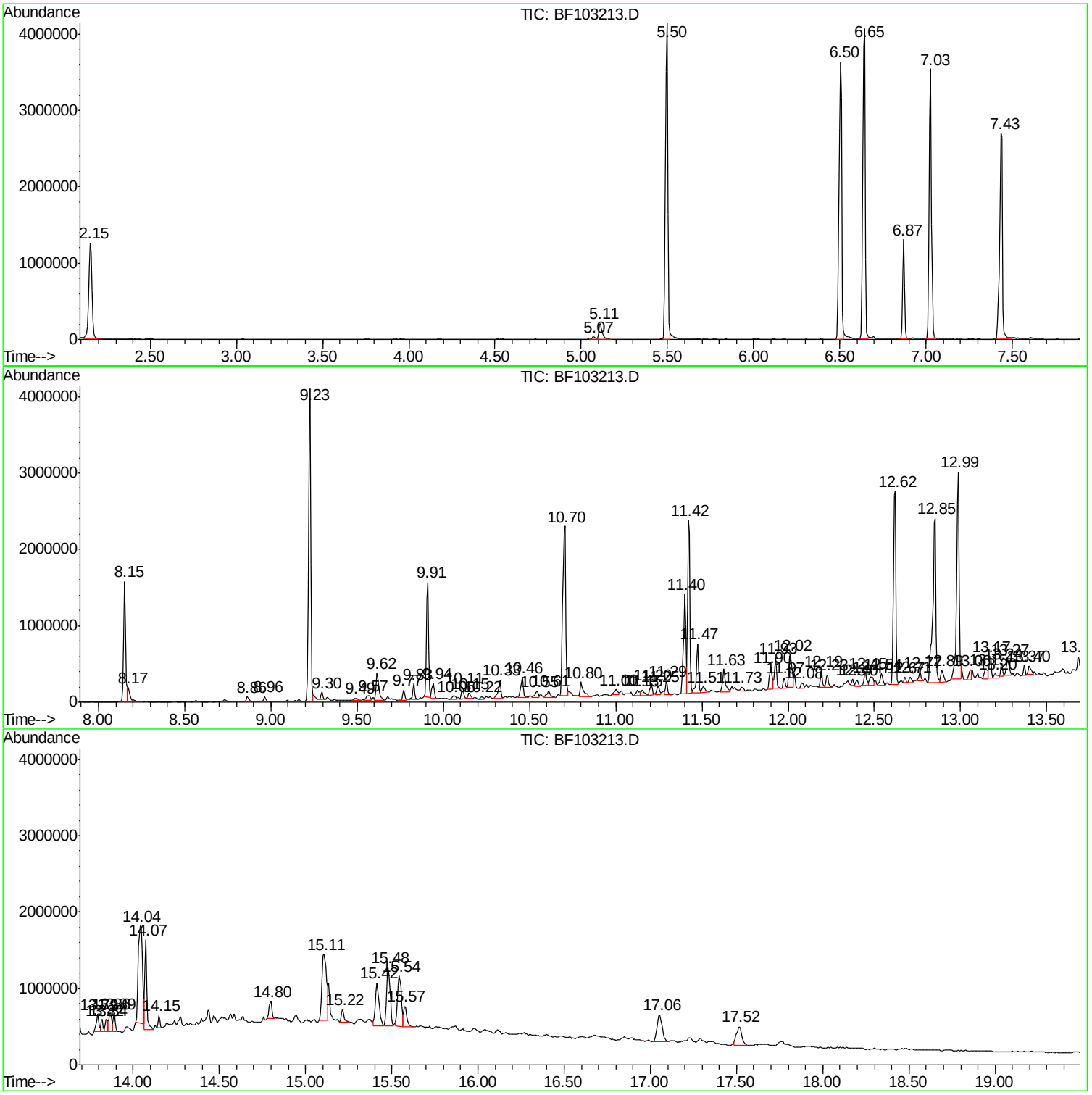
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103213.D
Acq On : 26 Feb 2018 12:47
Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103213.D
Acq On : 26 Feb 2018 12:47
Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

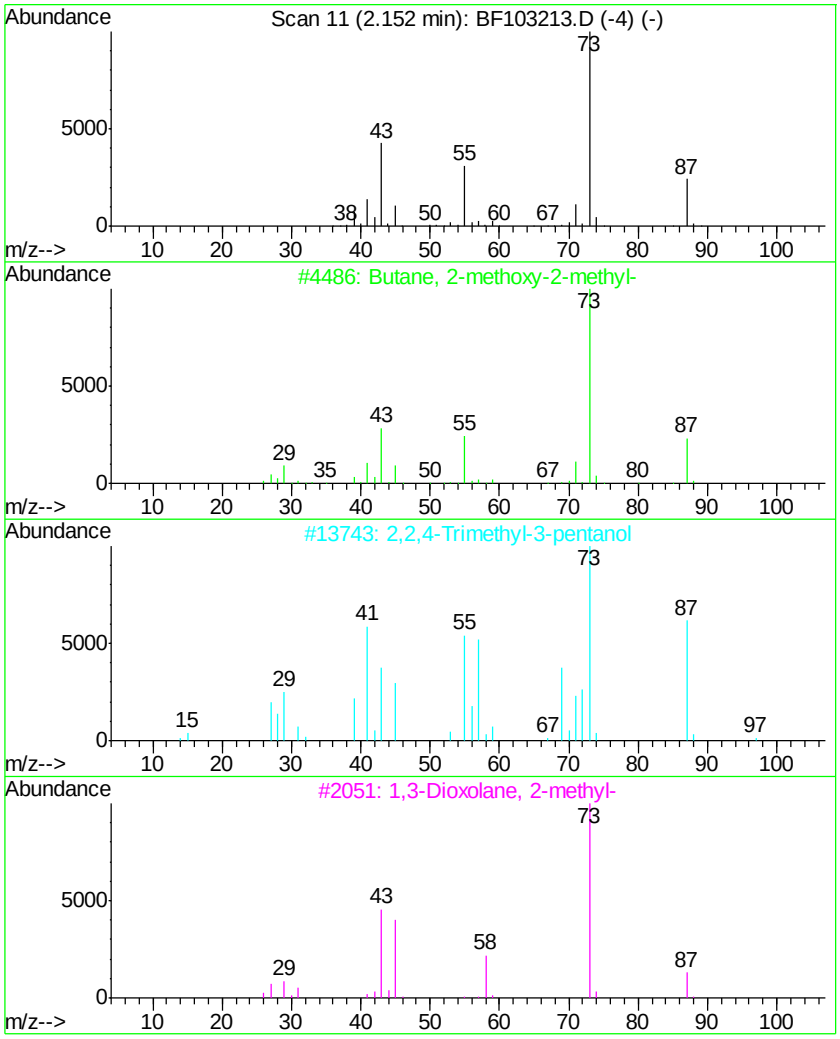
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

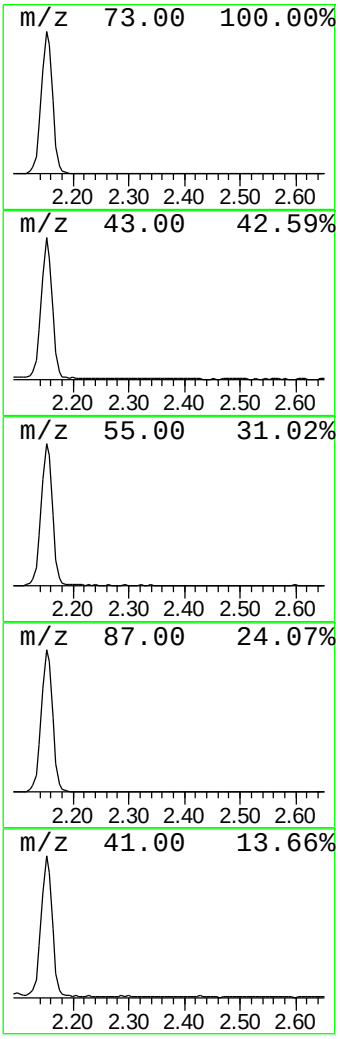
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	32.95 ng	1745250	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103213.D
Acq On : 26 Feb 2018 12:47
Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

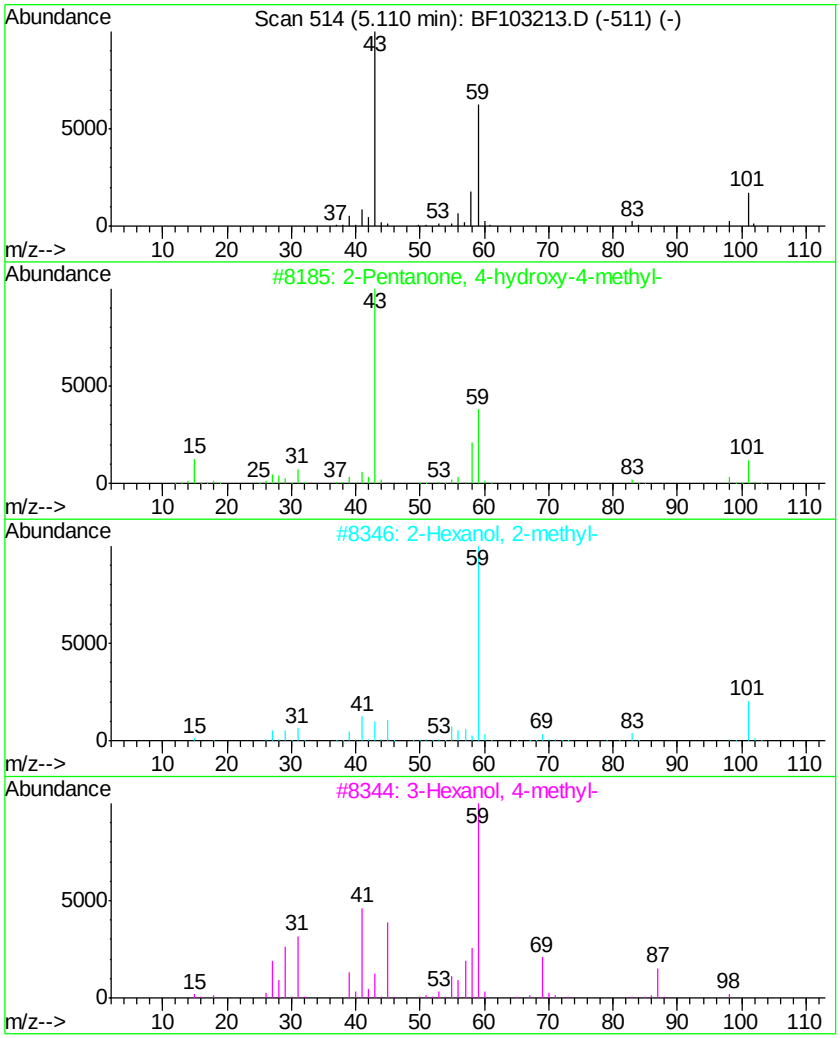
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

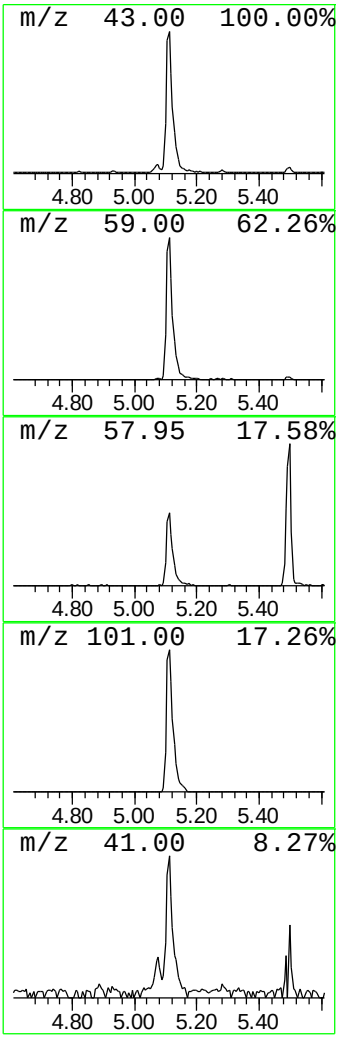
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	5.59 ng	296343	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	3-Octanol	130	C8H18O	000589-98-0	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





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Data File : BF103213.D
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Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

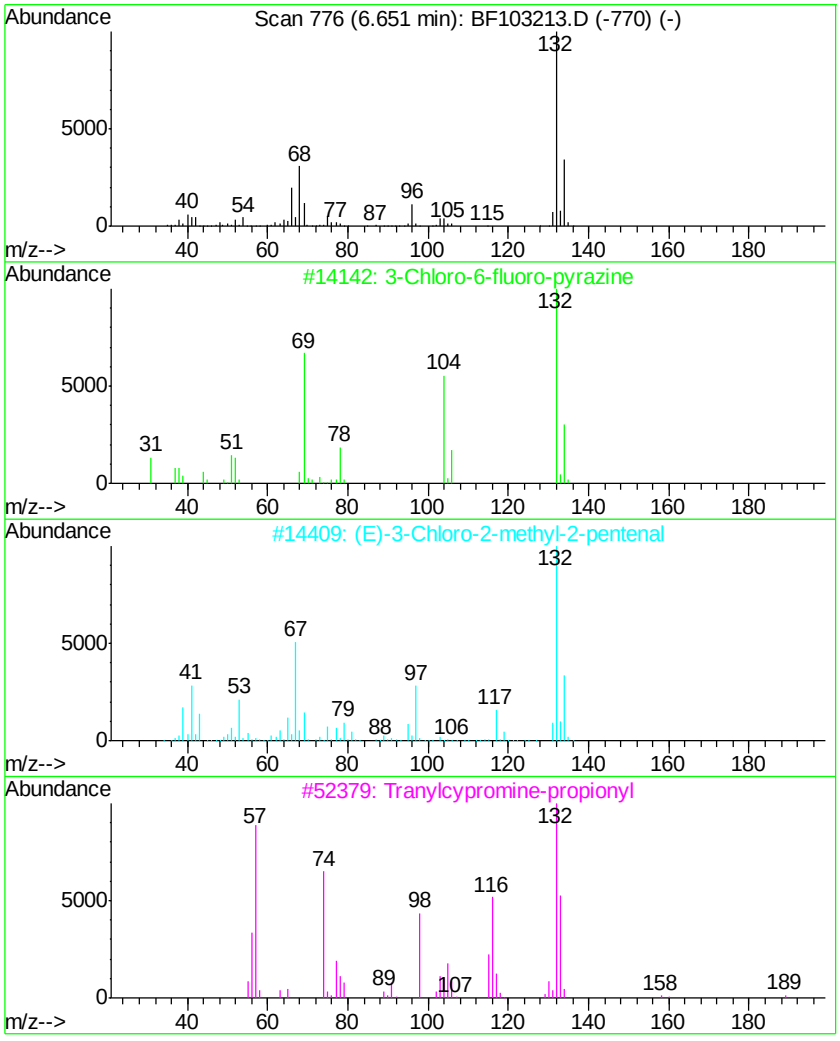
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

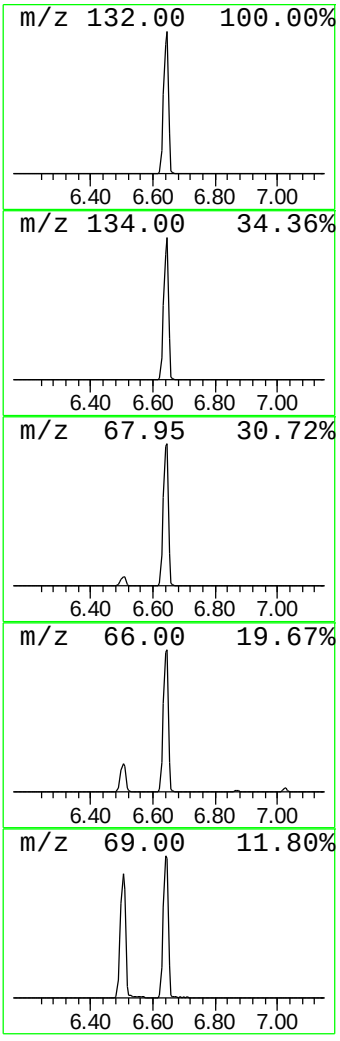
****

Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	81.63 ng	4323980	1,4-Dichlorobenzene-d4	6.87

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





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Data File : BF103213.D
Acq On : 26 Feb 2018 12:47
Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

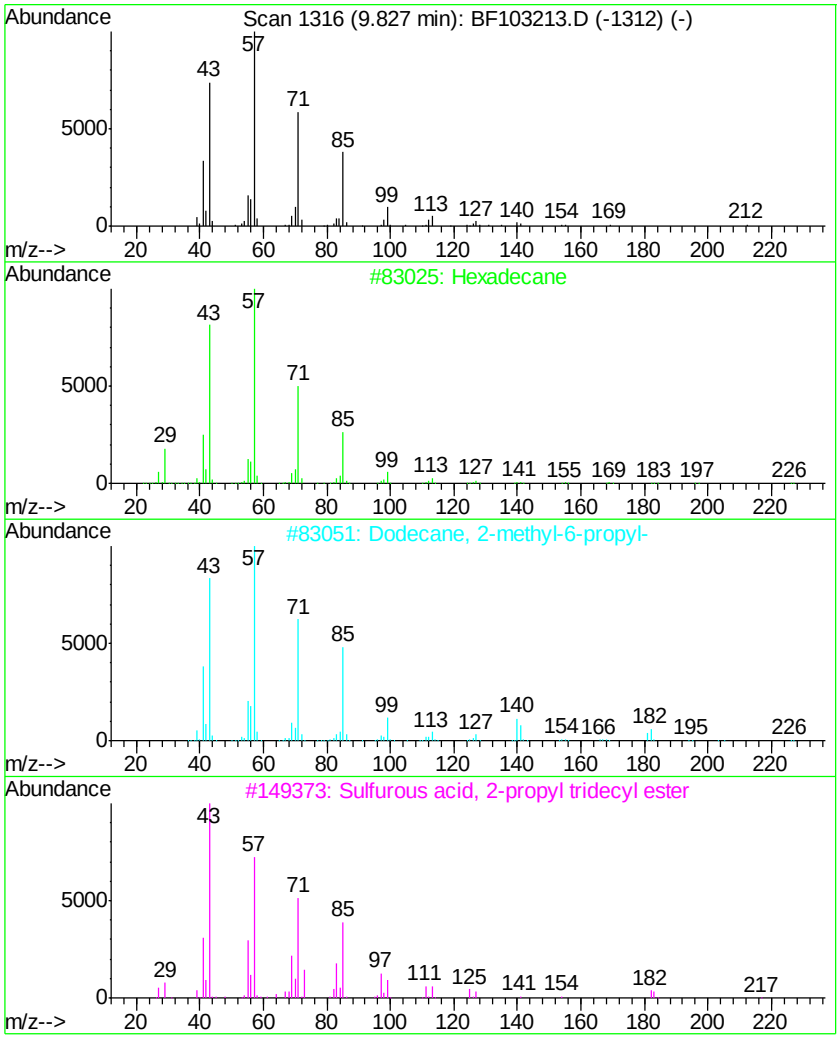
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

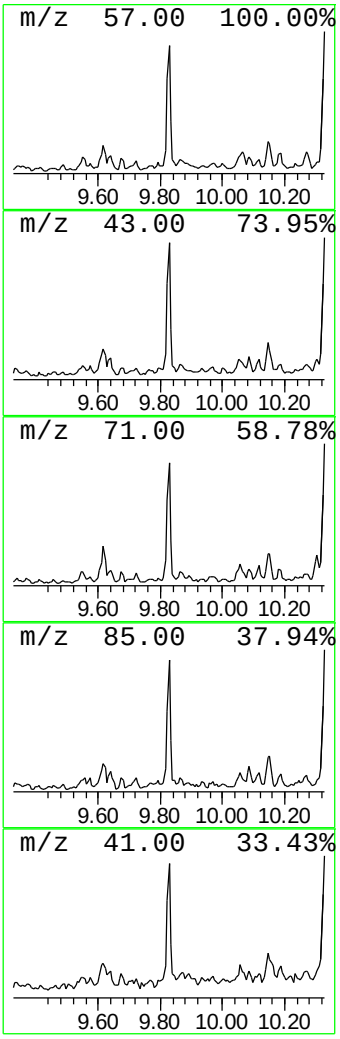
****

Peak Number 5 Hexadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	2.52 ng	175588	Acenaphthene-d10	9.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
3	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	78
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	59
5	Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	59





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103213.D
Acq On : 26 Feb 2018 12:47
Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

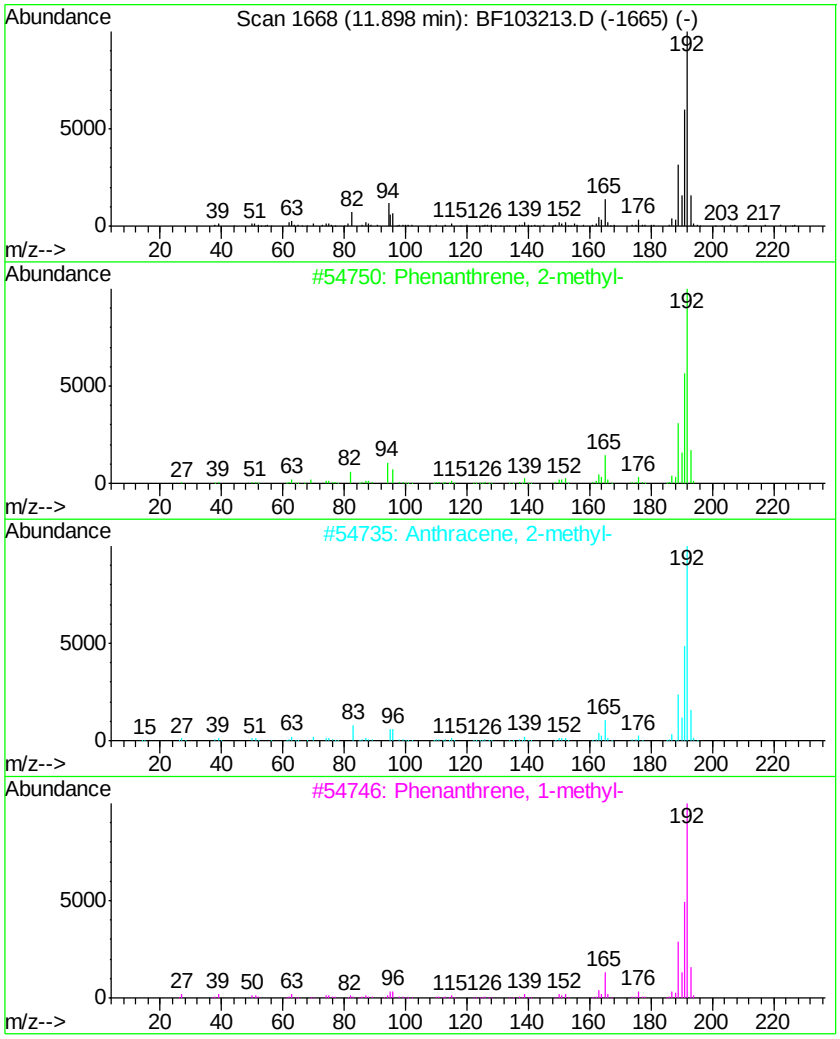
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

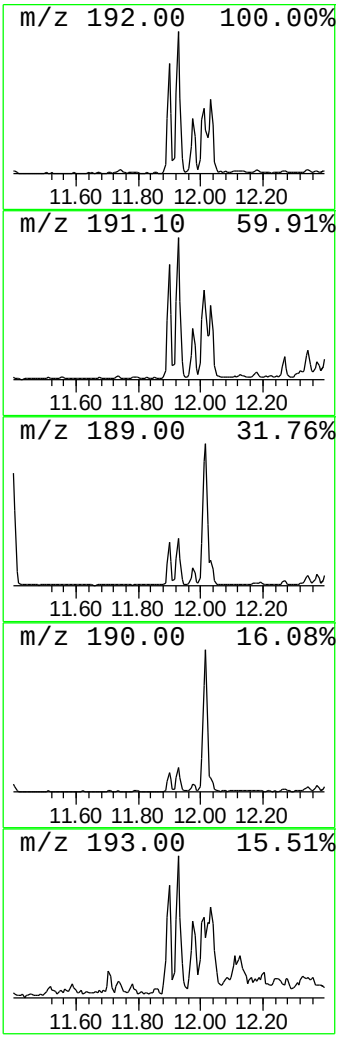
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	4.42 ng	279001	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103213.D
Acq On : 26 Feb 2018 12:47
Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

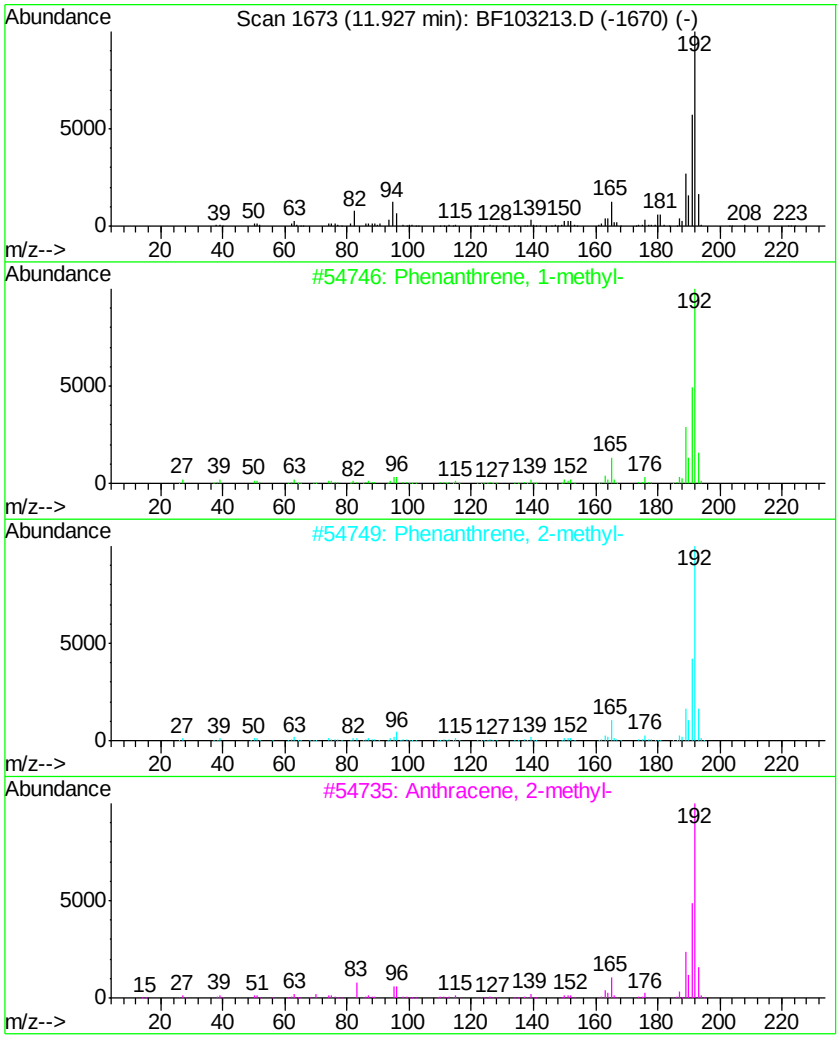
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

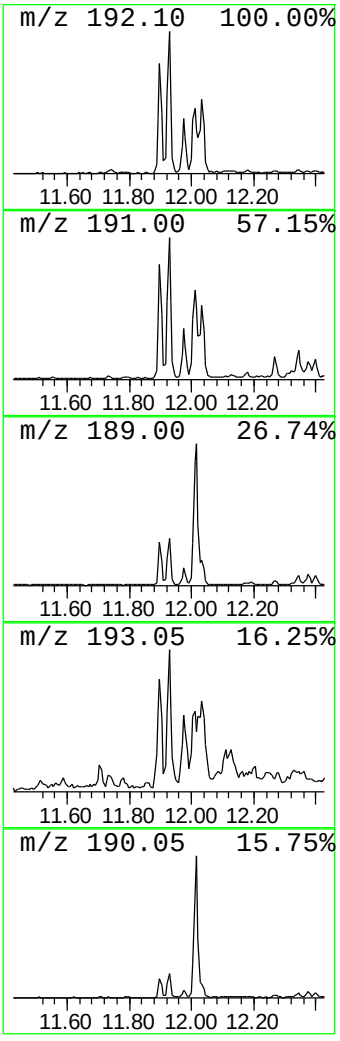
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	5.81 ng	366895	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Data File : BF103213.D
Acq On : 26 Feb 2018 12:47
Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

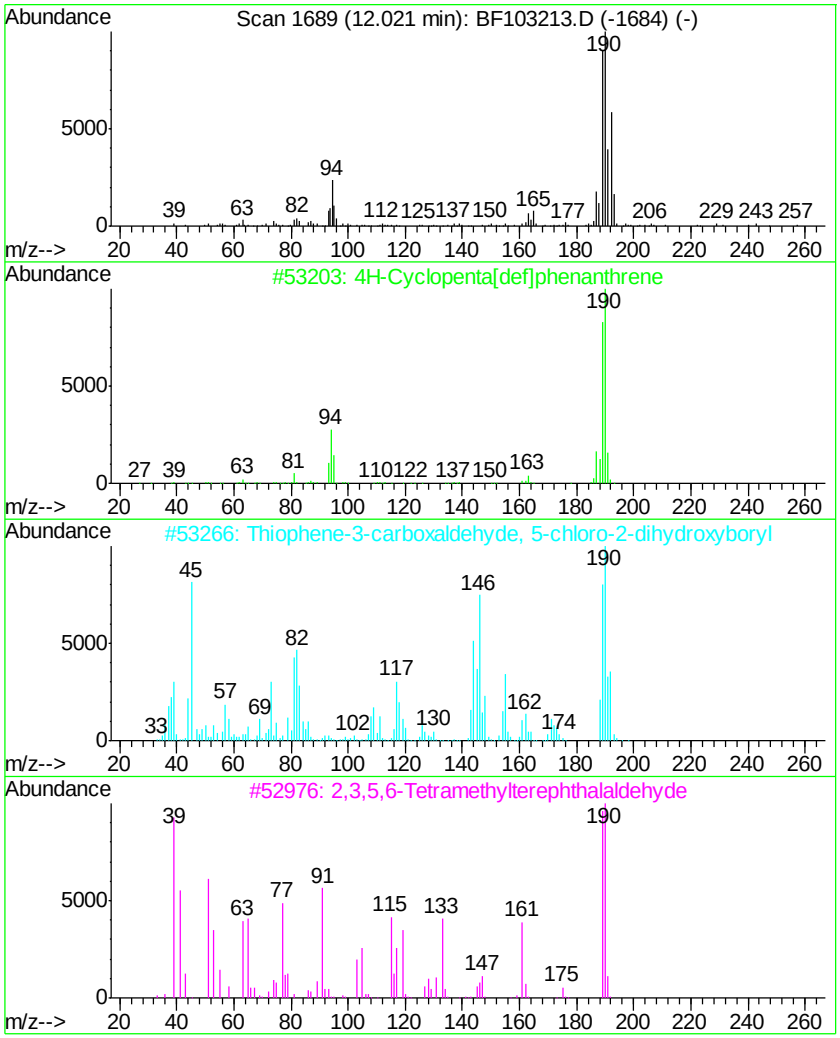
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

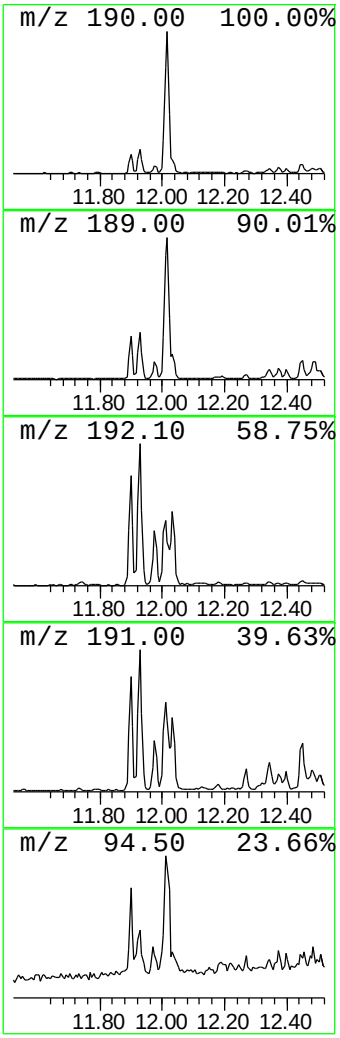
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	7.85 ng	495580	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	59
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33





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Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

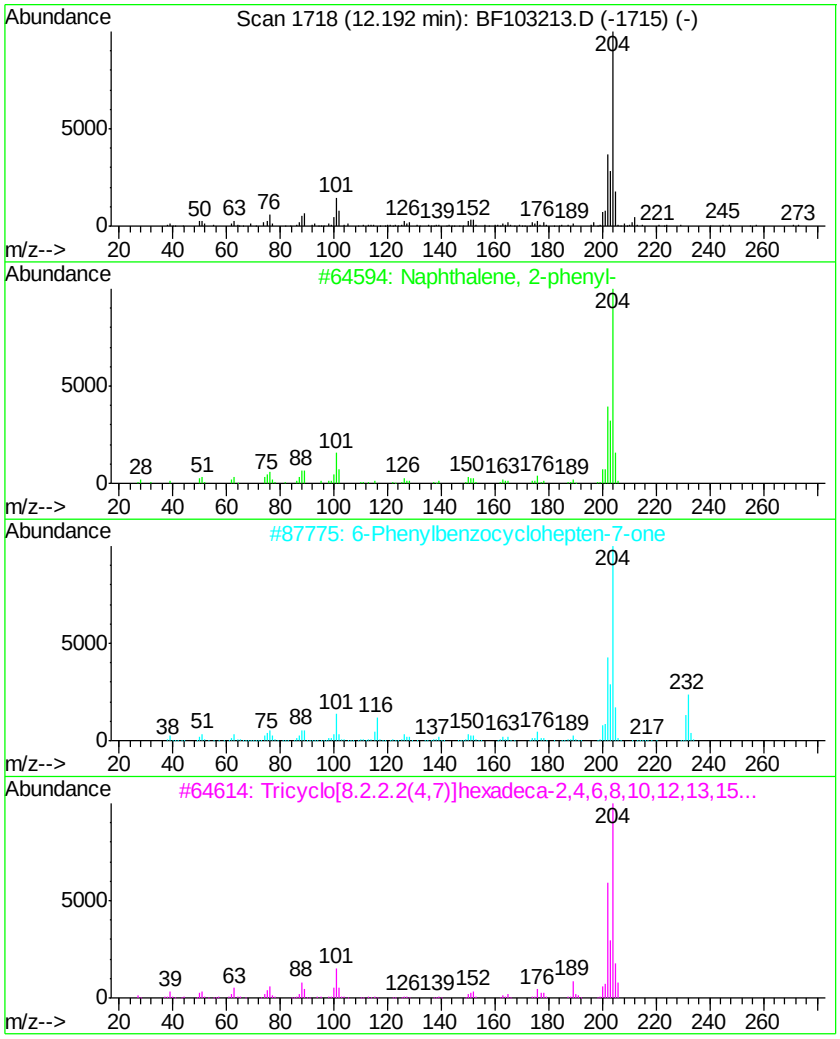
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

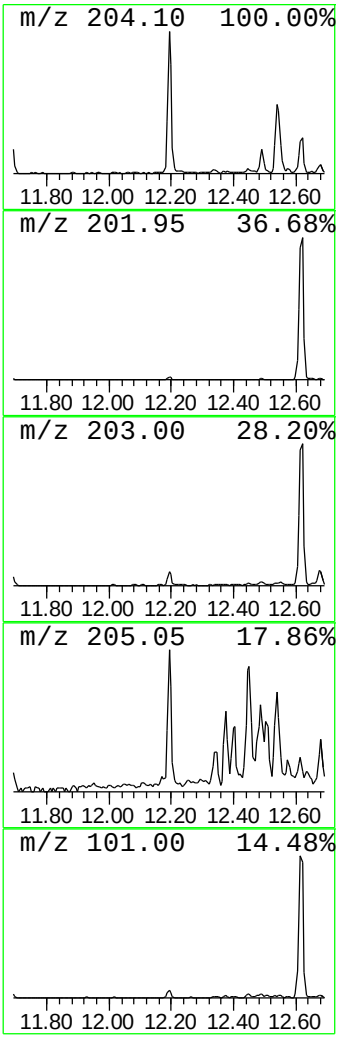
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	2.66 ng	167760	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70





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

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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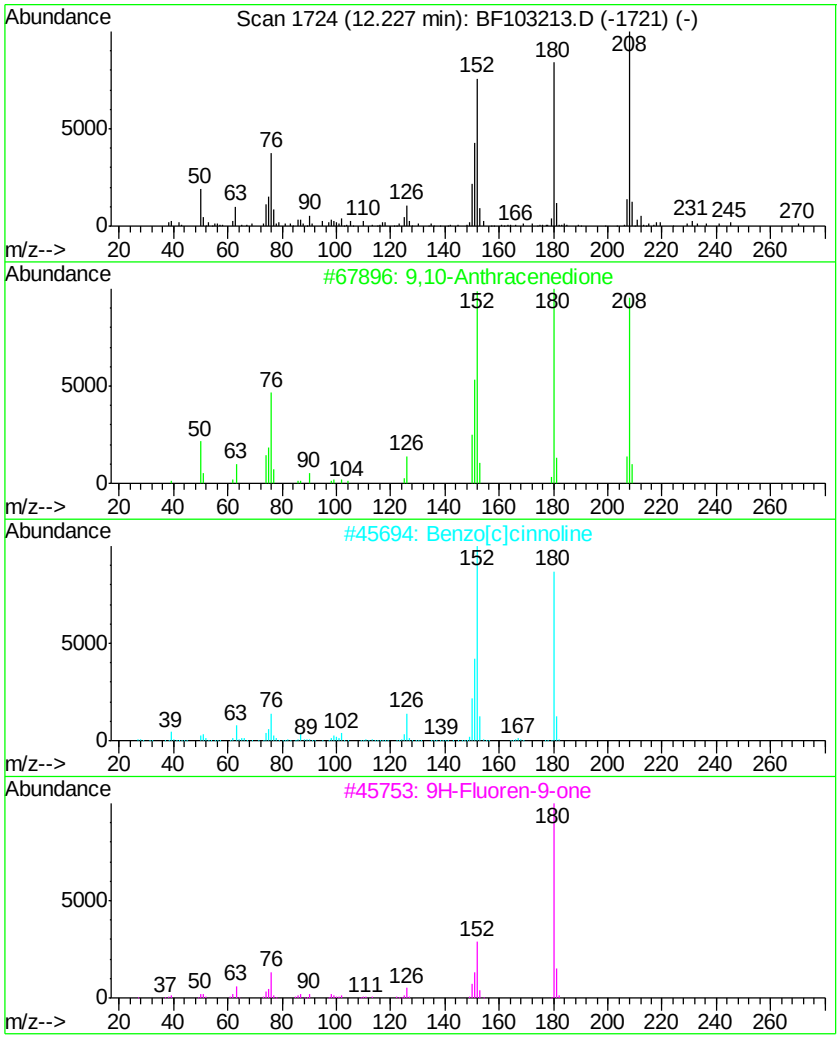
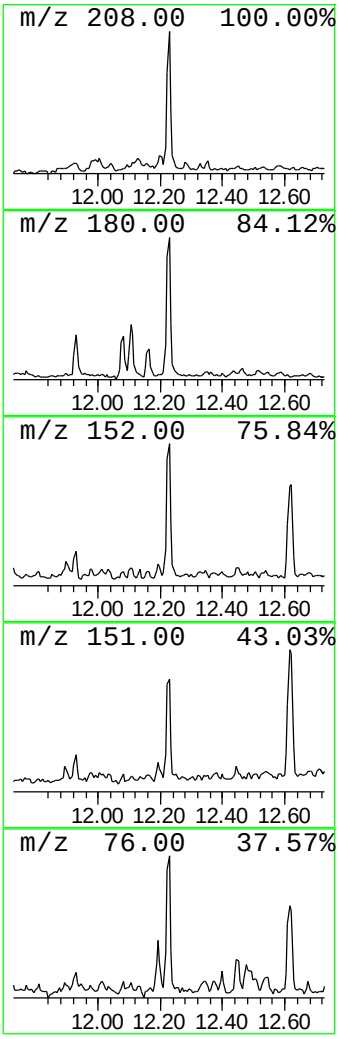
Peak Number 12 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	2.52 ng	159087	Phenanthrene-d10	11.40

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	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





Library Search Compound Report

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Data File : BF103213.D
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Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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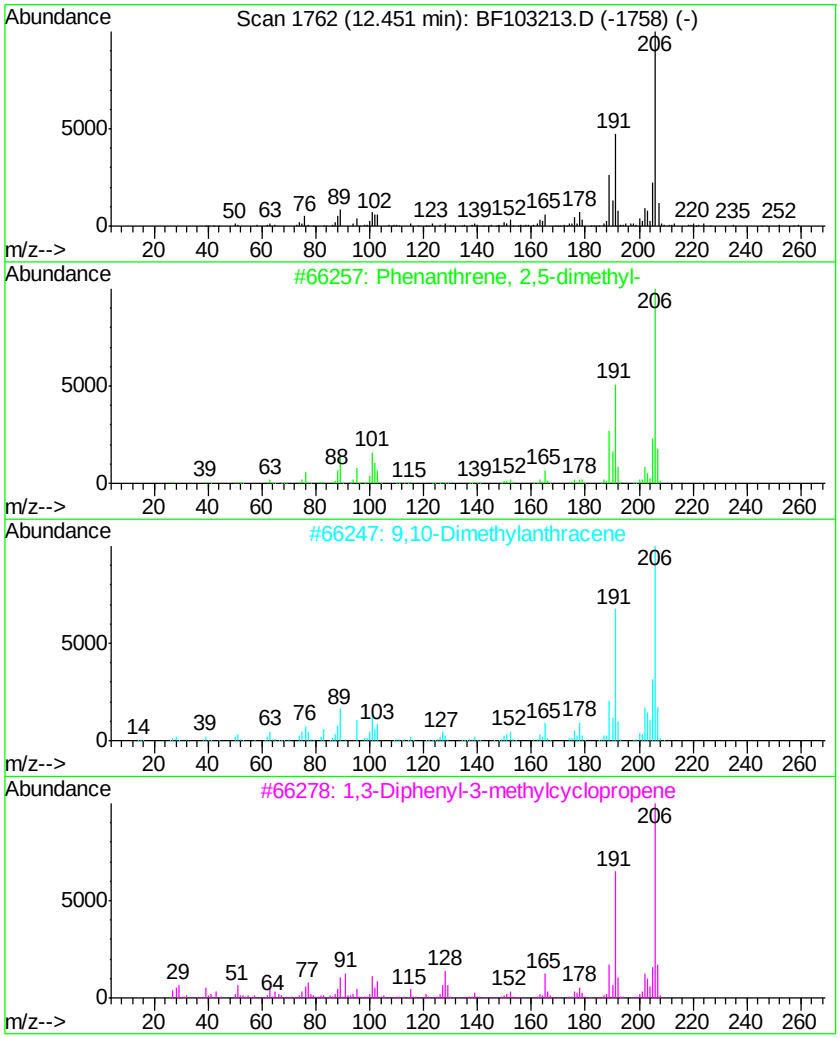
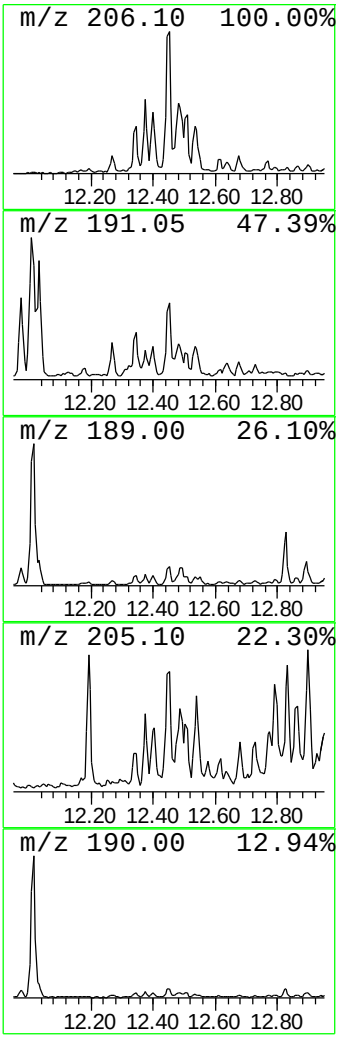
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	2.86 ng	180653	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83





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Acq On : 26 Feb 2018 12:47
Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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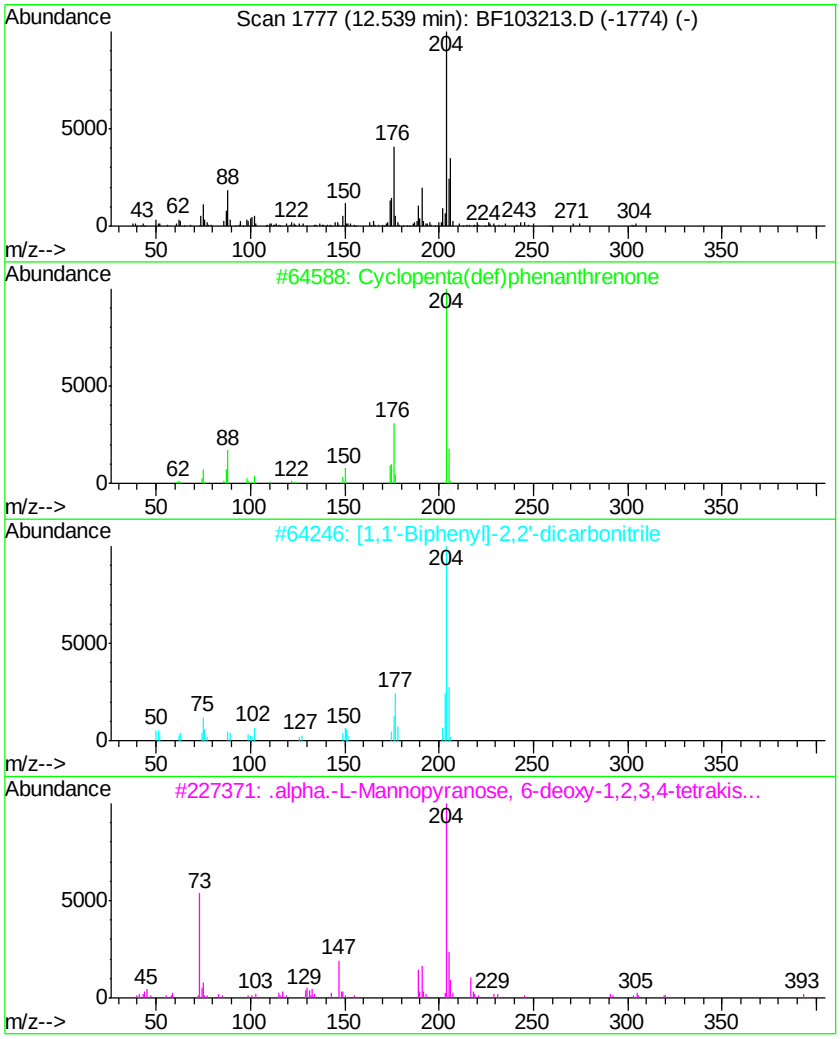
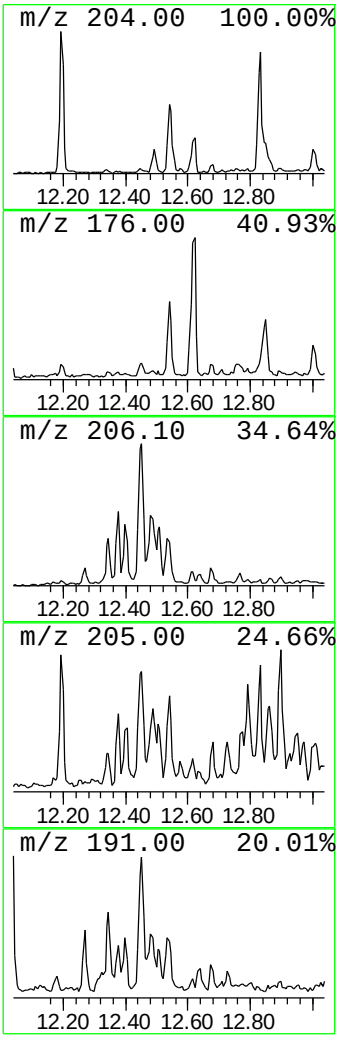
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	2.68 ng	169490	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
3	.alpha.-L-Mannopyranose, 6-deoxy...	452	C18H44O5Si4	055057-21-1	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	37





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Acq On : 26 Feb 2018 12:47
Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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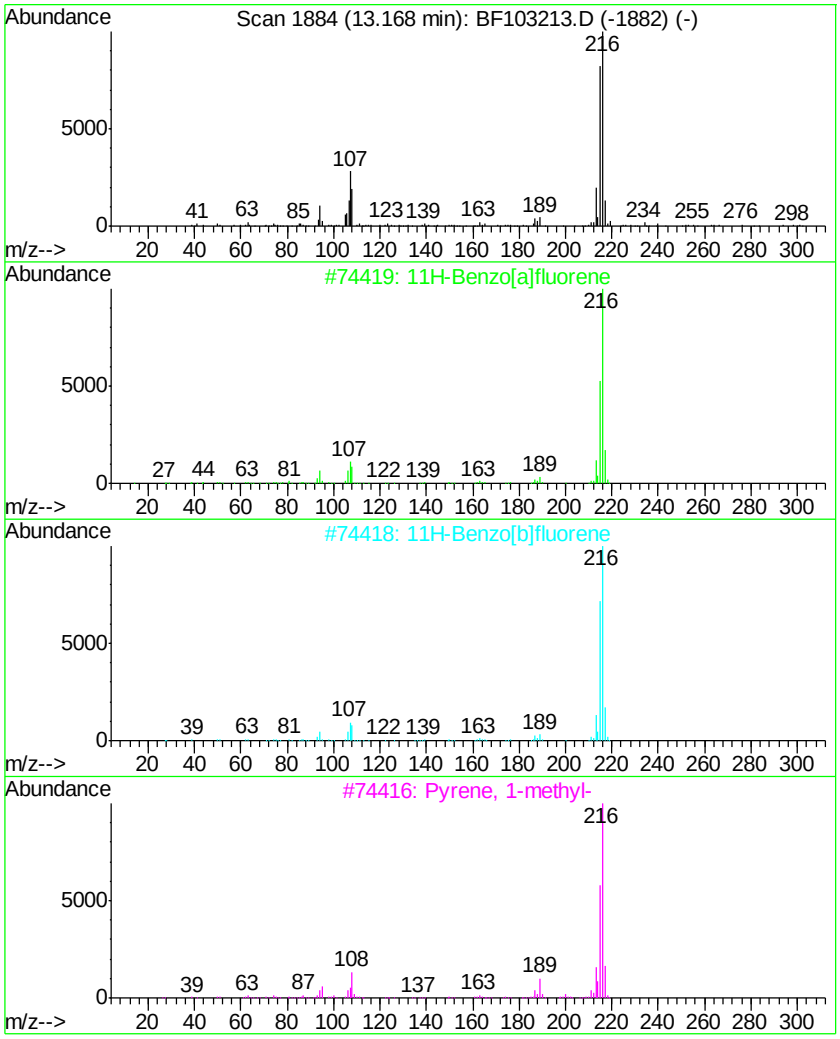
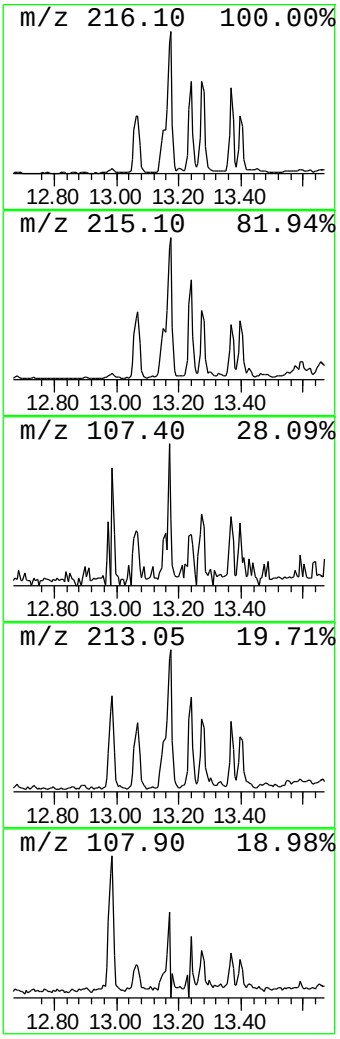
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.69 ng	273666	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	53
5	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	50





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Acq On : 26 Feb 2018 12:47
Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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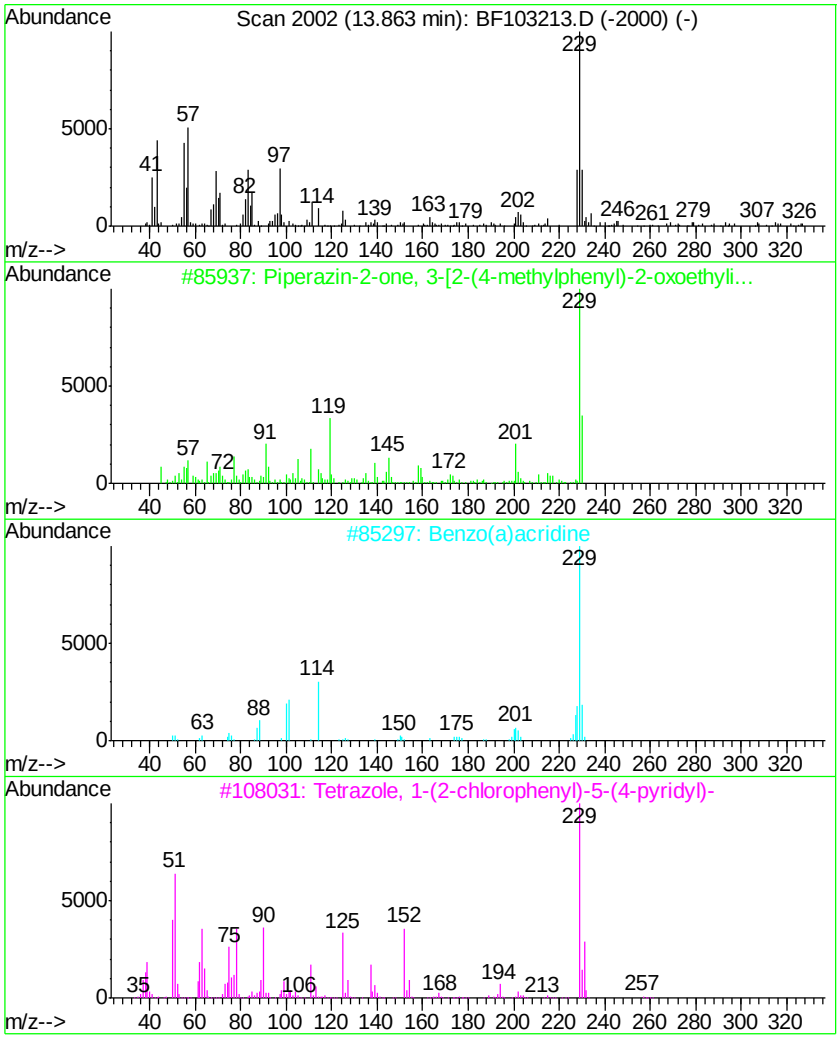
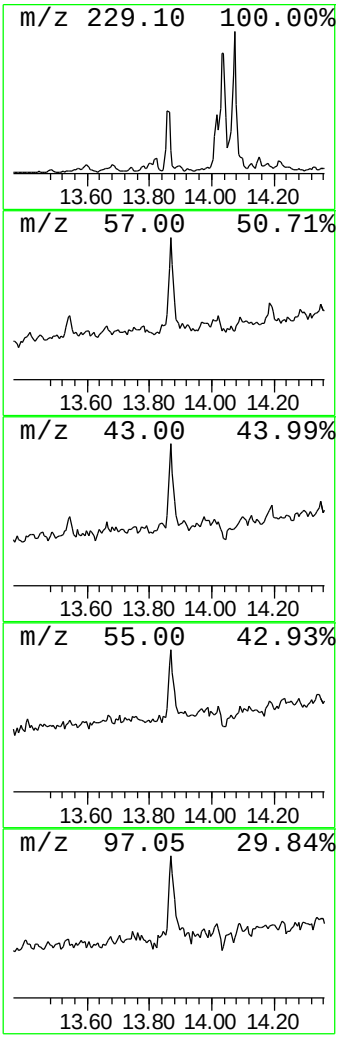
Peak Number 17 unknown13.86 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	3.10 ng	316019	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperazin-2-one, 3-[2-(4-methylp...	230	C13H14N2O2	063656-21-3	47
2	Benzo(a)acridine	229	C17H11N	000225-11-6	43
3	Tetrazole, 1-(2-chlorophenyl)-5-...	257	C12H8ClN5	1000259-05-5	38
4	1-Tricosene	322	C23H46	018835-32-0	25
5	1-Heptadecanamine	255	C17H37N	004200-95-7	18





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Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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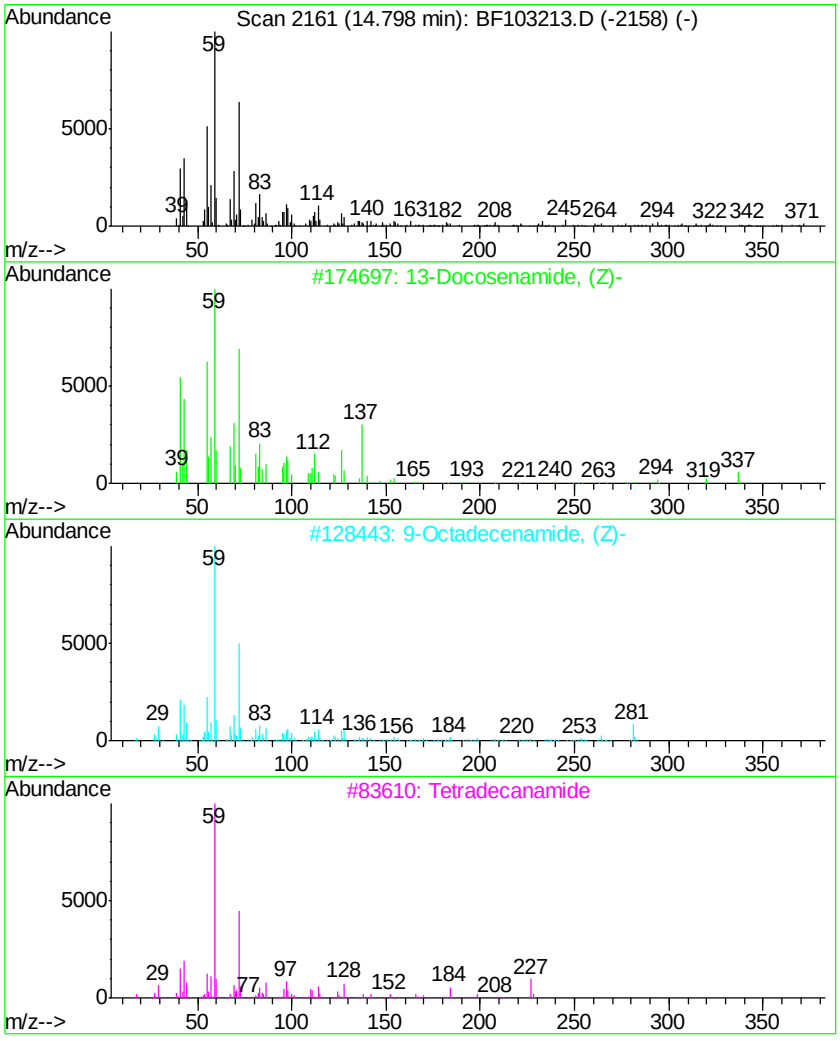
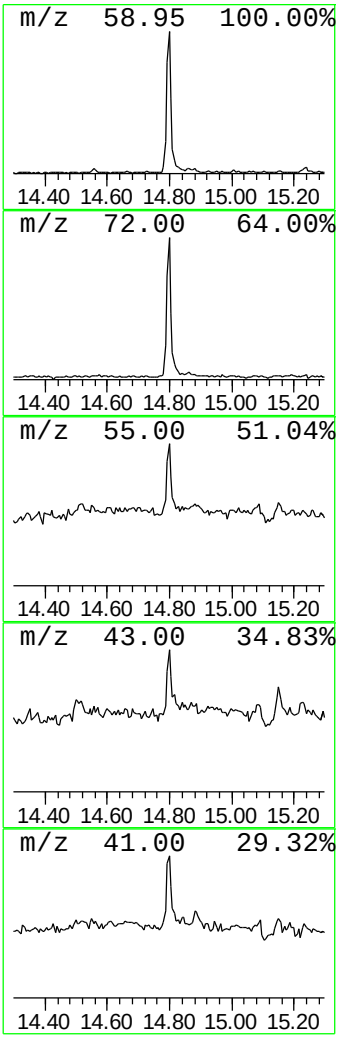
Peak Number 18 13-Docosenamide, (Z)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	4.72 ng	214033	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	93
2	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	90
3	Tetradecanamide	227	C14H29NO	000638-58-4	78
4	7-Nonenamide	155	C9H17NO	090949-53-4	72
5	Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FNO3	061338-98-5	59





Library Search Compound Report

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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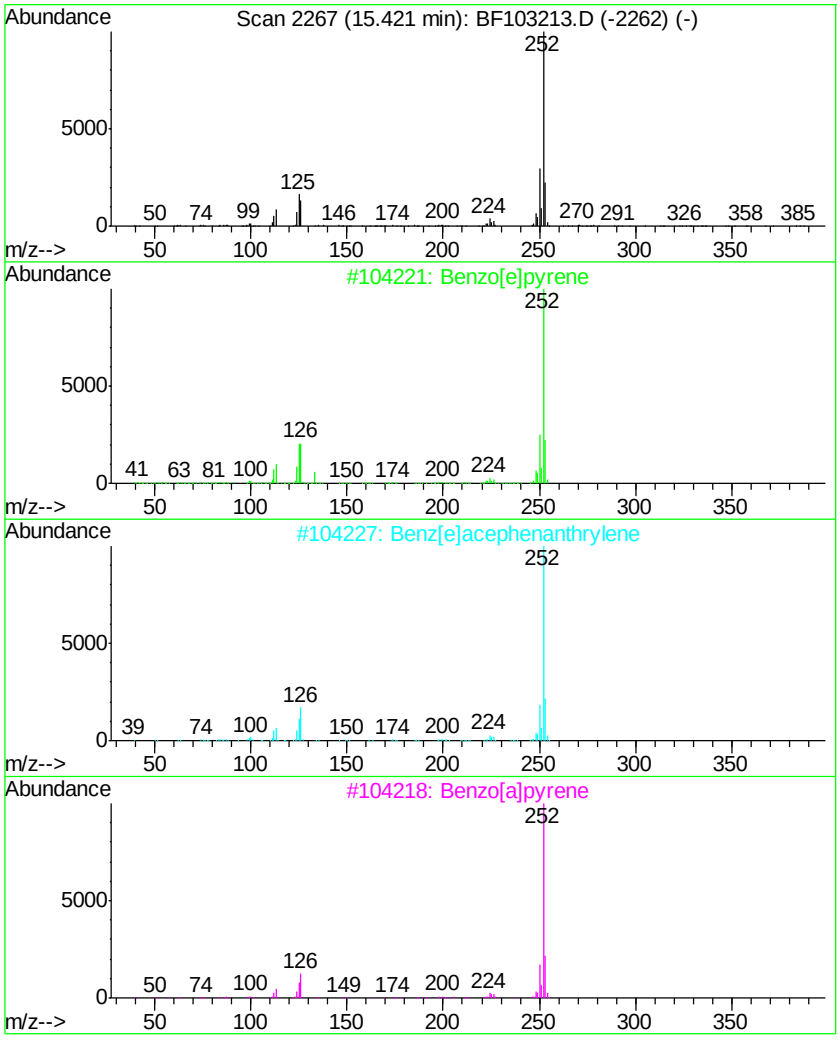
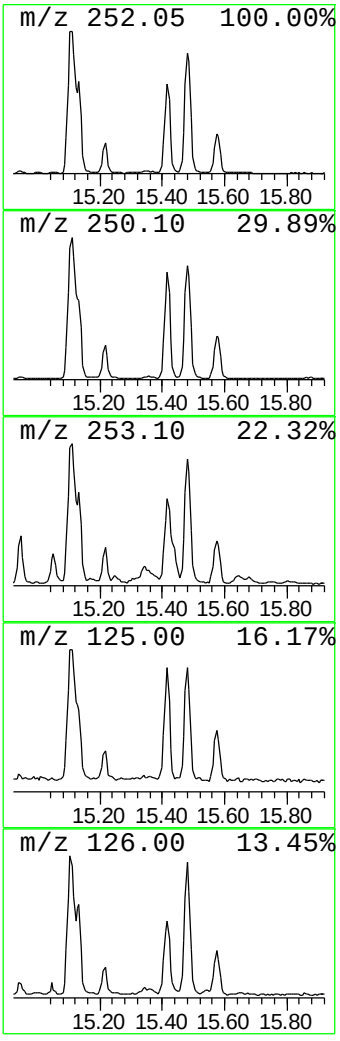
Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	17.03 ng	772896	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

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Data File : BF103213.D
Acq On : 26 Feb 2018 12:47
Operator : SJ/JU
Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CB-6-LINE-WW@4.5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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
Butane, 2-methoxy...	2.15	33.0	ng	1745250	1	6.87	1059420	20.0
2-Pentanone, 4-hy...	5.11	5.6	ng	296343	1	6.87	1059420	20.0
unknown6.65	6.65	81.6	ng	4323980	1	6.87	1059420	20.0
Hexadecane	9.83	2.5	ng	175588	3	9.91	1394050	20.0
Phenanthrene, 2-m...	11.90	4.4	ng	279001	4	11.40	1262670	20.0
Phenanthrene, 1-m...	11.93	5.8	ng	366895	4	11.40	1262670	20.0
4H-Cyclopenta[def...	12.02	7.8	ng	495580	4	11.40	1262670	20.0
Naphthalene, 2-ph...	12.19	2.7	ng	167760	4	11.40	1262670	20.0
9,10-Anthracenedione	12.23	2.5	ng	159087	4	11.40	1262670	20.0
Phenanthrene, 2,5...	12.45	2.9	ng	180653	4	11.40	1262670	20.0
Cyclopenta(def)ph...	12.54	2.7	ng	169490	4	11.40	1262670	20.0
11H-Benzo[a]fluorene	13.17	2.7	ng	273666	5	14.05	2035720	20.0
unknown13.86	13.86	3.1	ng	316019	5	14.05	2035720	20.0
13-Docosenamide, ...	14.80	4.7	ng	214033	6	15.54	907481	20.0
Benzo[e]pyrene	15.42	17.0	ng	772896	6	15.54	907481	20.0