LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100103.D
Acq On : 2 Nov 2017 23:33
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(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-BF102317.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	4.975	489	491	517	rBV	140555	224922	15.88%	1.287%
2	5.386	558	561	590	rBV	949068	1255619	88.65%	7.182%
3	6.416	733	736	754	rBV	1171627	1292628	91.26%	7.394%
4	6.539	754	757	771	rVB	1447892	1364617	96.34%	7.806%
5	6.769	793	796	806	rBV	525066	505579	35.69%	2.892%
6	6.922	818	822	833	rBV	1102197	1002569	70.78%	5.735%
7	7.339	890	893	918	rBV	798293	776829	54.84%	4.444%
8	8.051	1011	1014	1035	rVB	756671	689303	48.67%	3.943%
9	9.121	1192	1196	1206	rBV	1732081	1416413	100.00%	8.102%
10	9.521	1261	1264	1271	rBV	272941	217079	15.33%	1.242%
11	9.668	1286	1289	1295	rBV	23298	23425	1.65%	0.134%
12	9.804	1308	1312	1317	rBV	885821	734060	51.83%	4.199%
13	10.521	1431	1434	1439	rBV	50203	44938	3.17%	0.257%
14	10.598	1444	1447	1460	rVV	822368	777821	54.91%	4.449%
15	10.692	1460	1463	1471	rVB	18238	19887	1.40%	0.114%
16	11.298	1562	1566	1568	rBV	729918	645830	45.60%	3.694%
17	11.321	1568	1570	1575	rVV	108307	92289	6.52%	0.528%
18	11.380	1577	1580	1584	rBV	43197	42572	3.01%	0.244%
19	11.810	1648	1653	1655	rBV2	55640	68981	4.87%	0.395%
20	11.827	1655	1656	1661	rVB2	44089	38086	2.69%	0.218%
21	11.915	1667	1671	1673	rBV	63726	69474	4.90%	0.397%
22	11.933	1673	1674	1679	rVB	22435	18457	1.30%	0.106%
23	12.092	1697	1701	1705	rBV	23200	21723	1.53%	0.124%
24	12.351	1742	1745	1748	rBV2	27579	31559	2.23%	0.181%
25	12.457	1760	1763	1769	rVB	35918	35854	2.53%	0.205%
26	12.515	1769	1773	1777	rBV	594268	522793	36.91%	2.990%
27	12.668	1796	1799	1806	rBV4	26370	32457	2.29%	0.186%
28	12.745	1809	1812	1818	rVV	577956	520934	36.78%	2.980%
29	12.798	1818	1821	1825	rVB2	20531	20247	1.43%	0.116%
30	12.874	1830	1834	1838	rVV	1067394	1043933	73.70%	5.971%
31	12.921	1840	1842	1845	rVV	23269	21553	1.52%	0.123%
32	12.962	1845	1849	1855	rVB3	33912	55131	3.89%	0.315%
33	13.074	1865	1868	1873	rVB	80217	89542	6.32%	0.512%
34	13.139	1876	1879	1882	rVV	73555	59038	4.17%	0.338%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100103.D
Acq On : 2 Nov 2017 23:33
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(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-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.180	1882	1886	1893	rVB2	49038	61256	4.32%	0.350%
36	13.274	1898	1902	1904	rBV	26795	24412	1.72%	0.140%
37	13.304	1904	1907	1911	rBV2	29925	30076	2.12%	0.172%
38	13.604	1953	1958	1962	rVB	24920	35558	2.51%	0.203%
39	13.704	1972	1975	1976	rBV	33382	38985	2.75%	0.223%
40	13.715	1976	1977	1980	rVV	49214	35551	2.51%	0.203%
41	13.756	1980	1984	1990	rVV4	70396	117833	8.32%	0.674%
42	13.809	1990	1993	1998	rVB	38410	39580	2.79%	0.226%
43	13.868	1998	2003	2005	rBV	14258	18835	1.33%	0.108%
44	13.898	2005	2008	2010	rVB	22637	16699	1.18%	0.096%
45	13.945	2010	2016	2019	rBV2	608674	822487	58.07%	4.705%
46	13.974	2019	2021	2028	rVV	243194	219618	15.51%	1.256%
47	14.056	2032	2035	2037	rVB	41123	39335	2.78%	0.225%
48	14.115	2043	2045	2047	rBV2	19926	17685	1.25%	0.101%
49	14.168	2050	2054	2056	rBV2	24614	35514	2.51%	0.203%
50	14.339	2078	2083	2086	rBV2	58096	80609	5.69%	0.461%
51	14.374	2086	2089	2092	rVB	24523	24546	1.73%	0.140%
52	14.409	2092	2095	2097	rBV2	20688	19927	1.41%	0.114%
53	14.439	2097	2100	2102	rVB2	25004	22256	1.57%	0.127%
54	14.462	2102	2104	2106	rBV	30278	30000	2.12%	0.172%
55	14.845	2164	2169	2172	rBV2	19076	37563	2.65%	0.215%
56	14.939	2181	2185	2189	rBV3	17282	26853	1.90%	0.154%
57	14.986	2189	2193	2196	rBV	264557	368255	26.00%	2.106%
58	15.098	2208	2212	2218	rVB	57278	64717	4.57%	0.370%
59	15.192	2224	2228	2232	rBV2	10630	21853	1.54%	0.125%
60	15.286	2240	2244	2249	rBV	146282	174788	12.34%	1.000%
61	15.350	2251	2255	2261	rVV	224065	278569	19.67%	1.593%
62	15.409	2261	2265	2269	rVV	359983	452505	31.95%	2.588%
63	15.445	2269	2271	2275	rVB	53477	64318	4.54%	0.368%
64	15.974	2357	2361	2365	rVB3	15336	20749	1.46%	0.119%
65	16.286	2412	2414	2422	rVB9	14167	22640	1.60%	0.130%
66	16.880	2510	2515	2522	rVB2	80249	146094	10.31%	0.836%
67	17.044	2537	2543	2549	rBV3	23133	54036	3.81%	0.309%
68	17.103	2549	2553	2558	rVV3	12520	23255	1.64%	0.133%
69	17.327	2585	2591	2604	rBV2	65871	149802	10.58%	0.857%
70	17.474	2614	2616	2623	rVB8	13374	25534	1.80%	0.146%
71	17.591	2630	2636	2642	rBV2	21077	43510	3.07%	0.249%

LSC Area Percent Report

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Data File : BF100103.D
Acq On : 2 Nov 2017 23:33
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(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-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 17481945

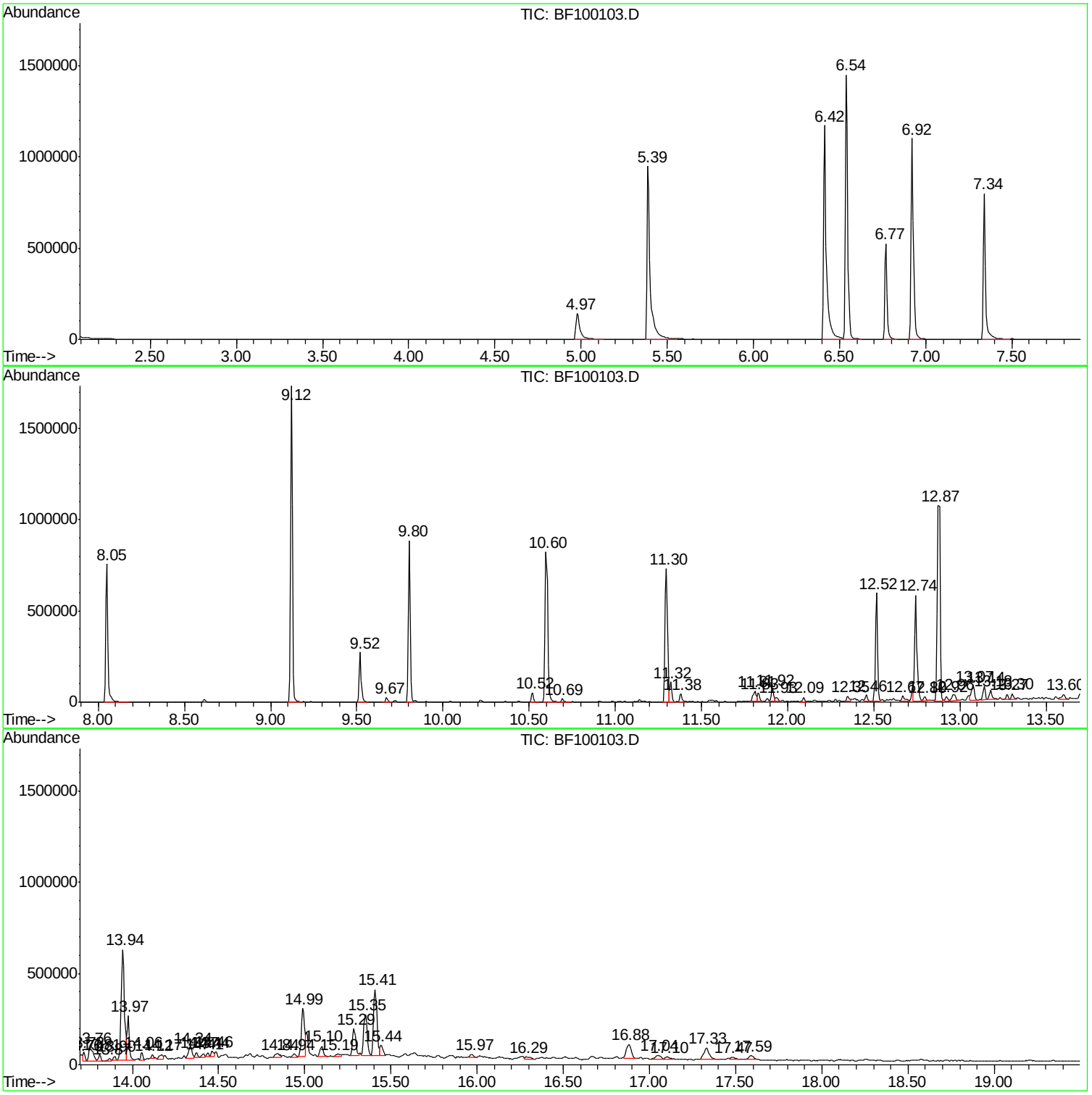
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100103.D
Acq On : 2 Nov 2017 23:33
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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Data File : BF100103.D
Acq On : 2 Nov 2017 23:33
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

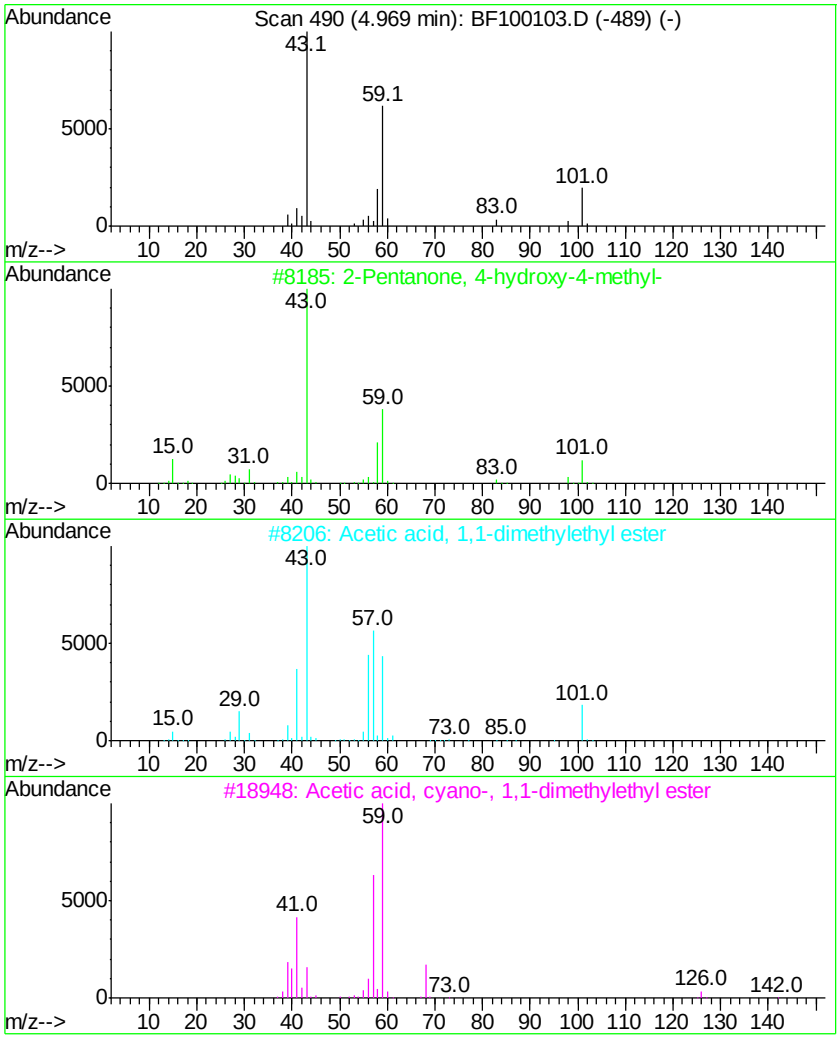
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

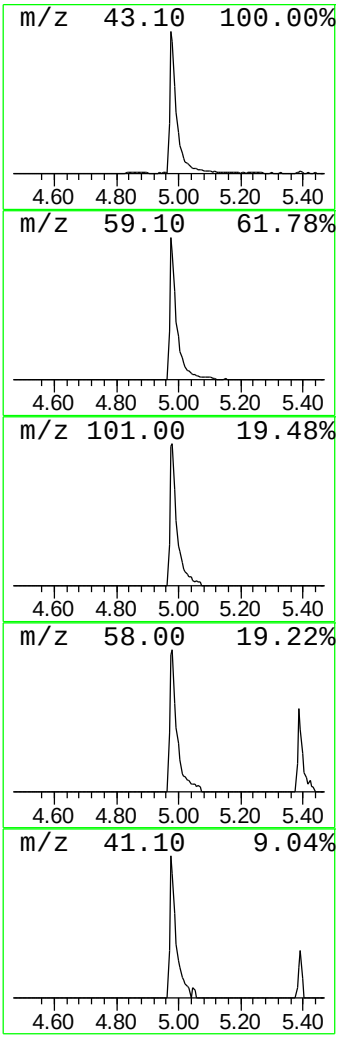
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	8.90 ng	224922	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	25
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	17





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100103.D
Acq On : 2 Nov 2017 23:33
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

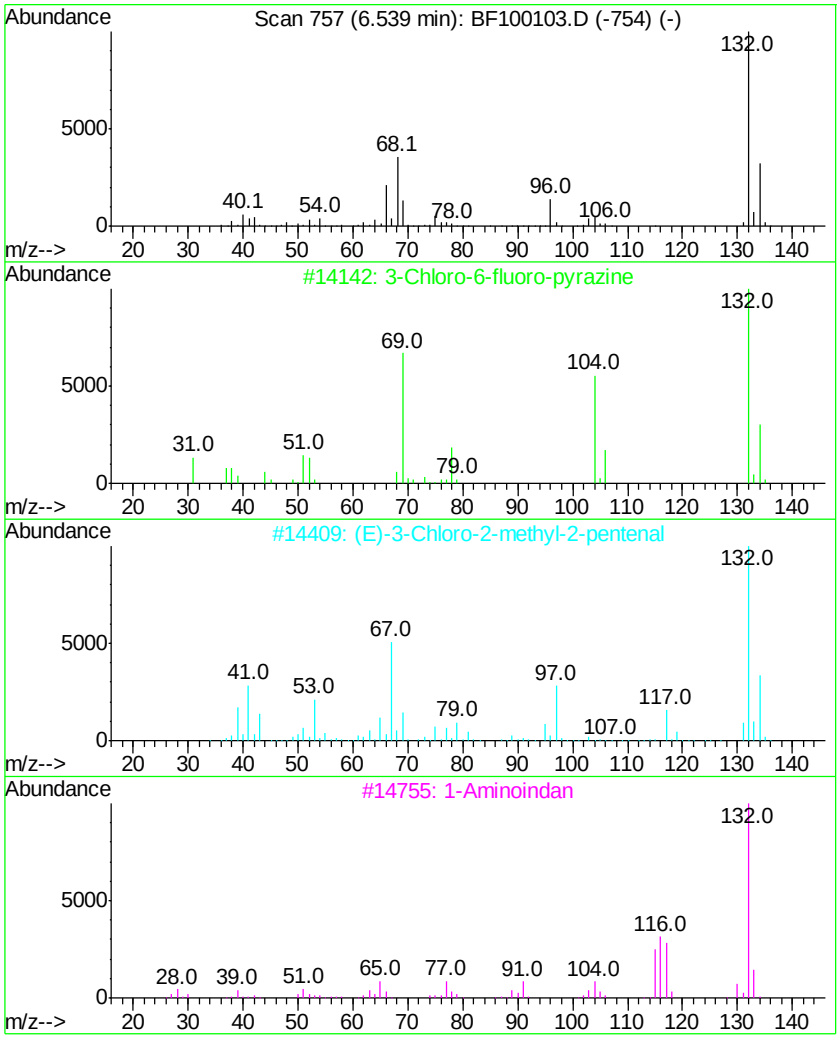
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

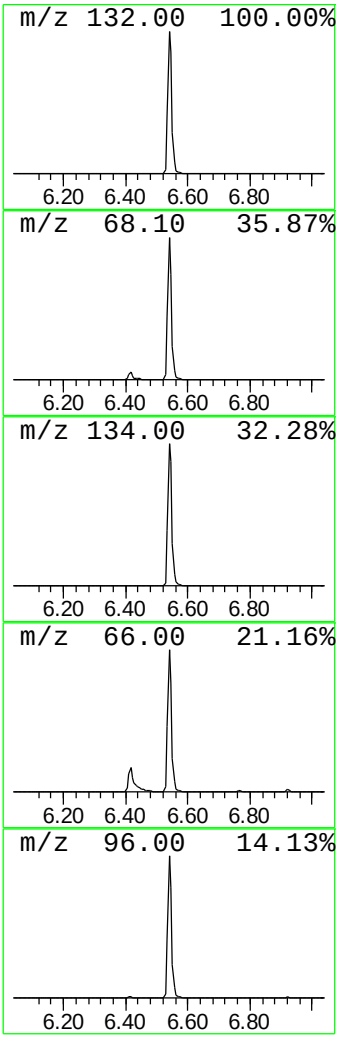
****

Peak Number 2 unknown6.54 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	53.98 ng	1364620	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
3	1-Aminoindan	133	C9H11N	034698-41-4	9
4	Xenon	132	Xe	007440-63-3	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100103.D
Acq On : 2 Nov 2017 23:33
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

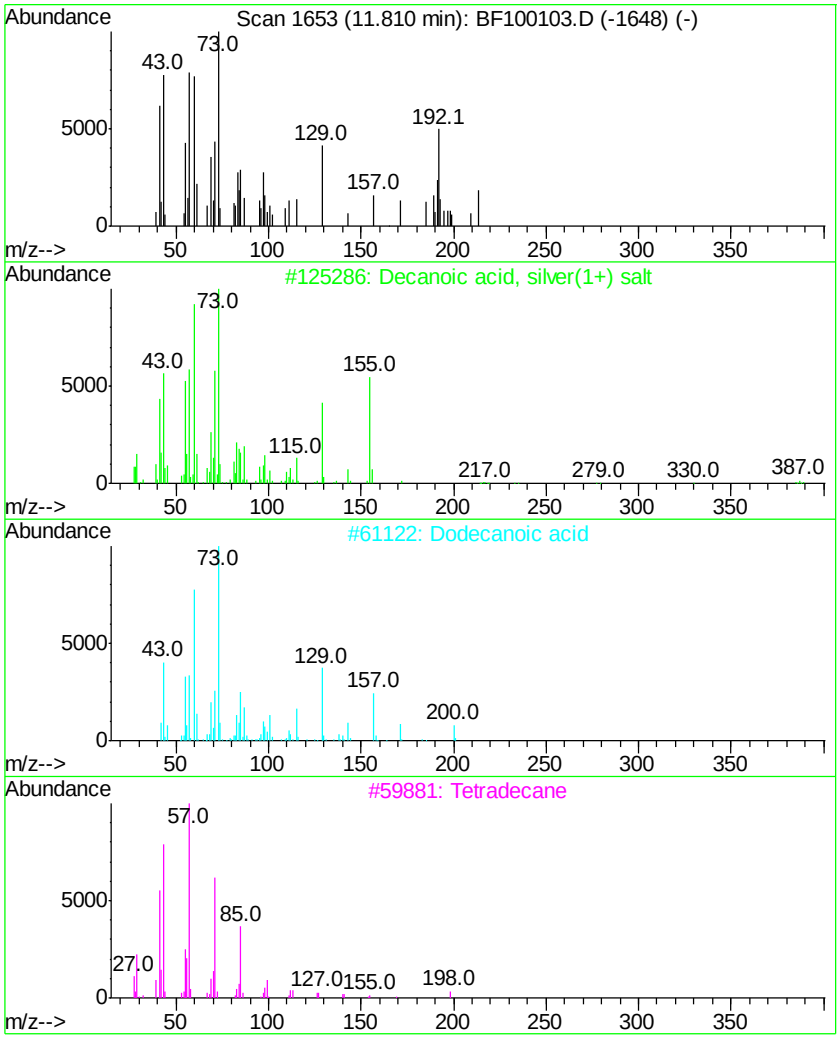
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

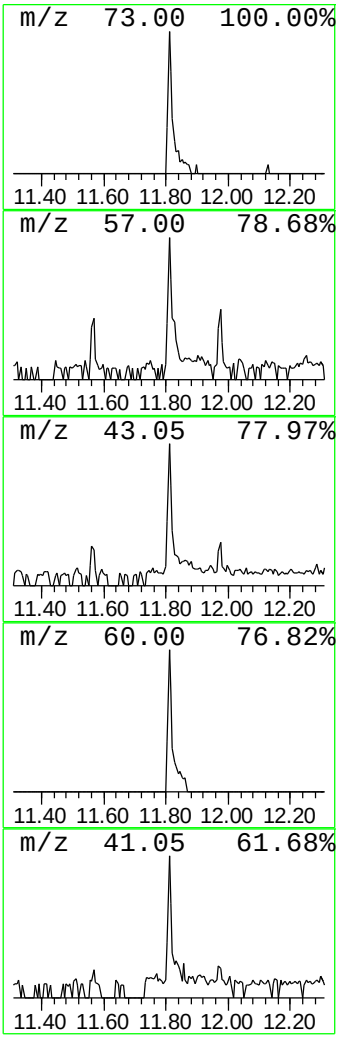
****

Peak Number 4 Decanoic acid, silver(1+) salt Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	2.14 ng	68981	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	52
2	Dodecanoic acid	200	C12H24O2	000143-07-7	38
3	Tetradecane	198	C14H30	000629-59-4	11
4	Oxalic acid, allyl pentadecyl ester	340	C20H36O4	1000309-24-3	11
5	Oxalic acid, allyl hexadecyl ester	354	C21H38O4	1000309-24-4	11





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
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Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

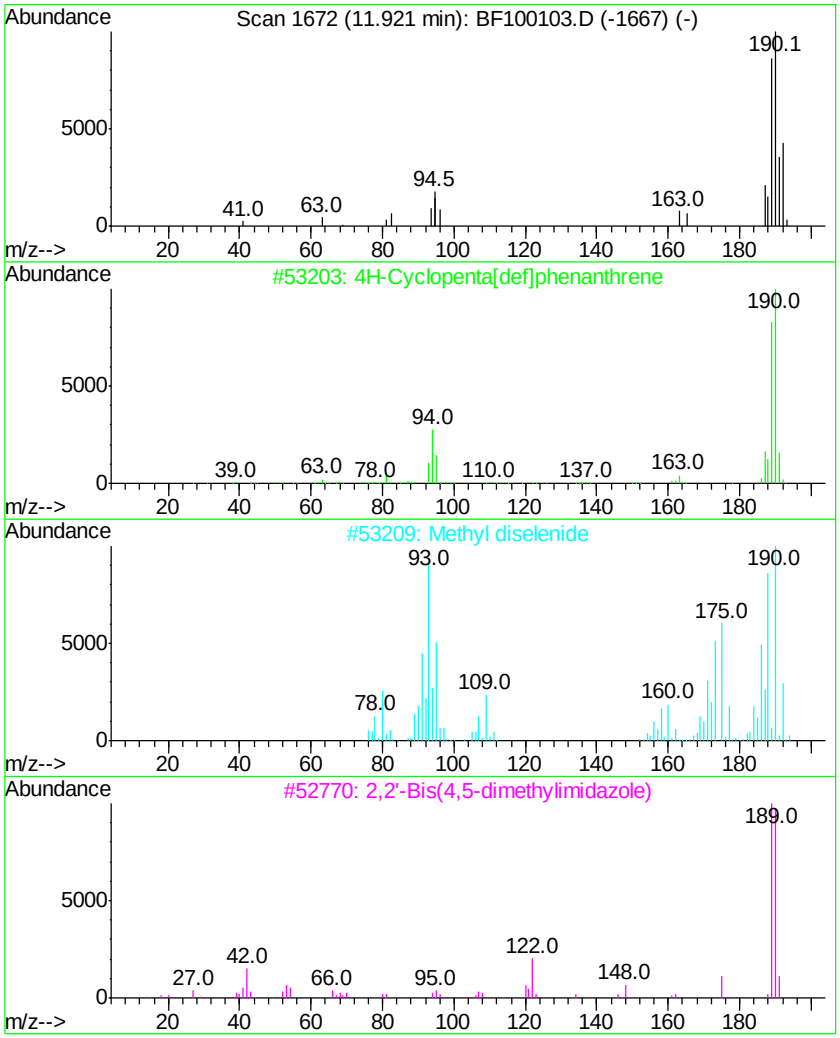
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

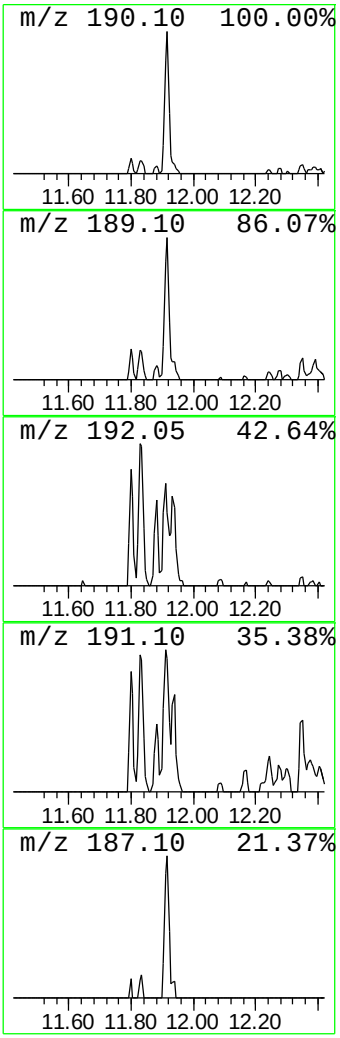
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.15 ng	69474	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Methyl diselenide	190	C2H6Se2	007101-31-7	53
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	14





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100103.D
Acq On : 2 Nov 2017 23:33
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

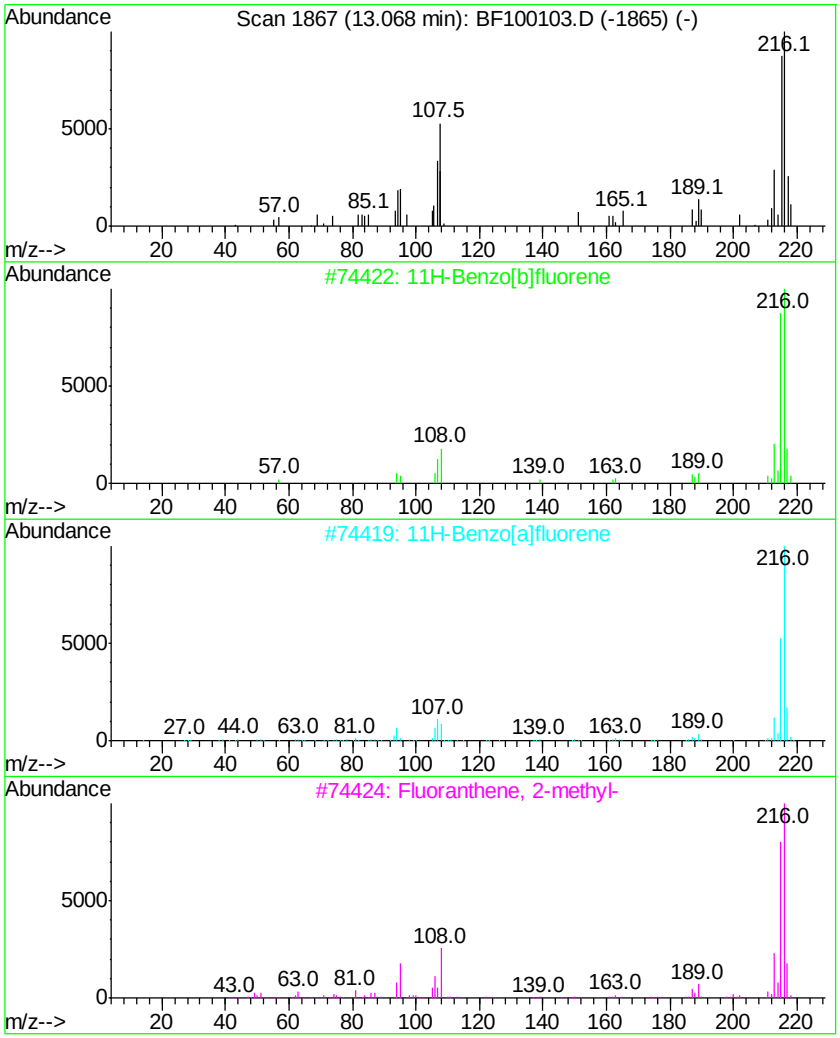
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

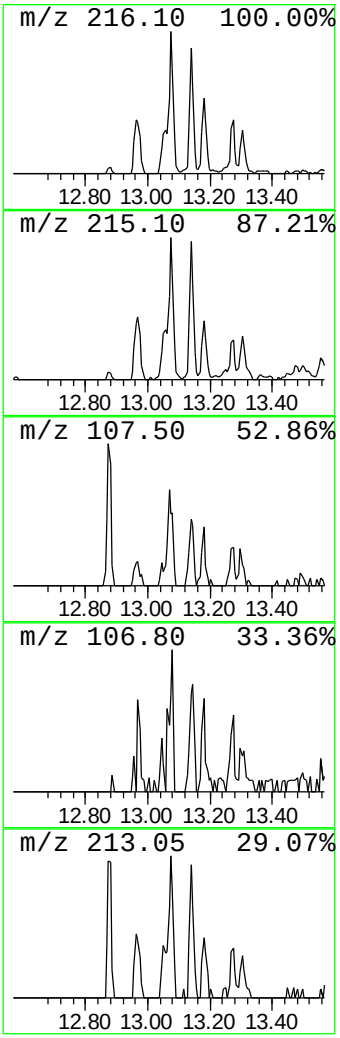
****

Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.18 ng	89542	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100103.D
Acq On : 2 Nov 2017 23:33
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

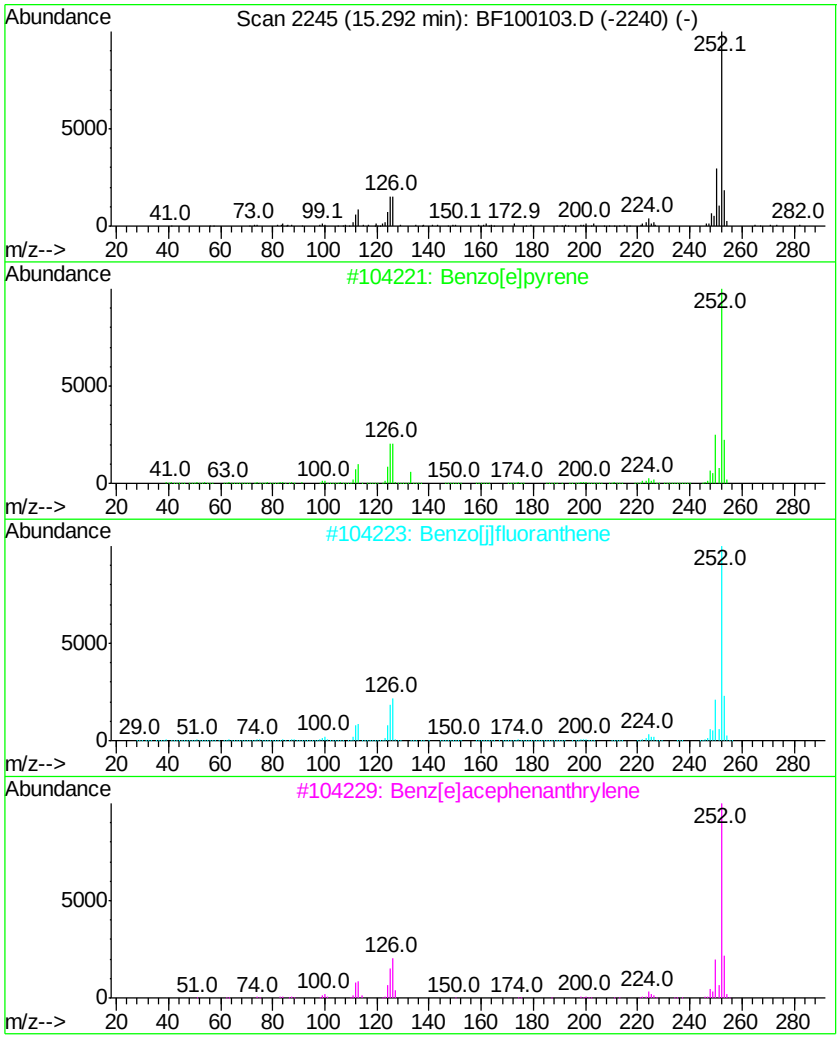
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

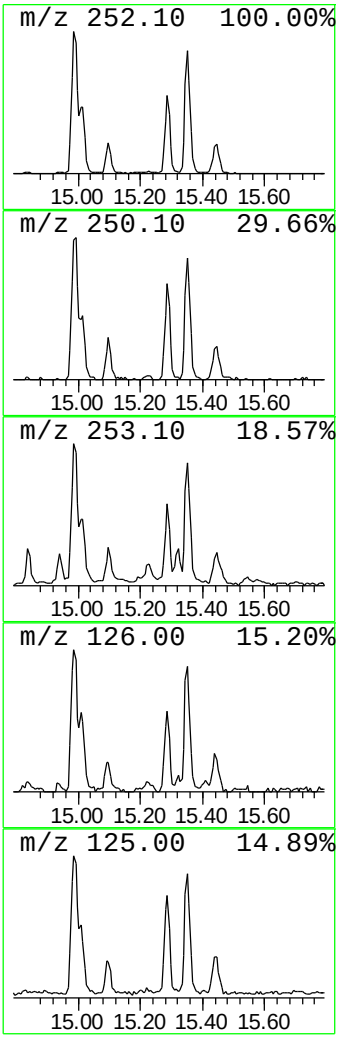
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	7.73 ng	174788	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	96
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100103.D
Acq On : 2 Nov 2017 23:33
Operator : SJ/JU
Sample : I6216-01
Misc :
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Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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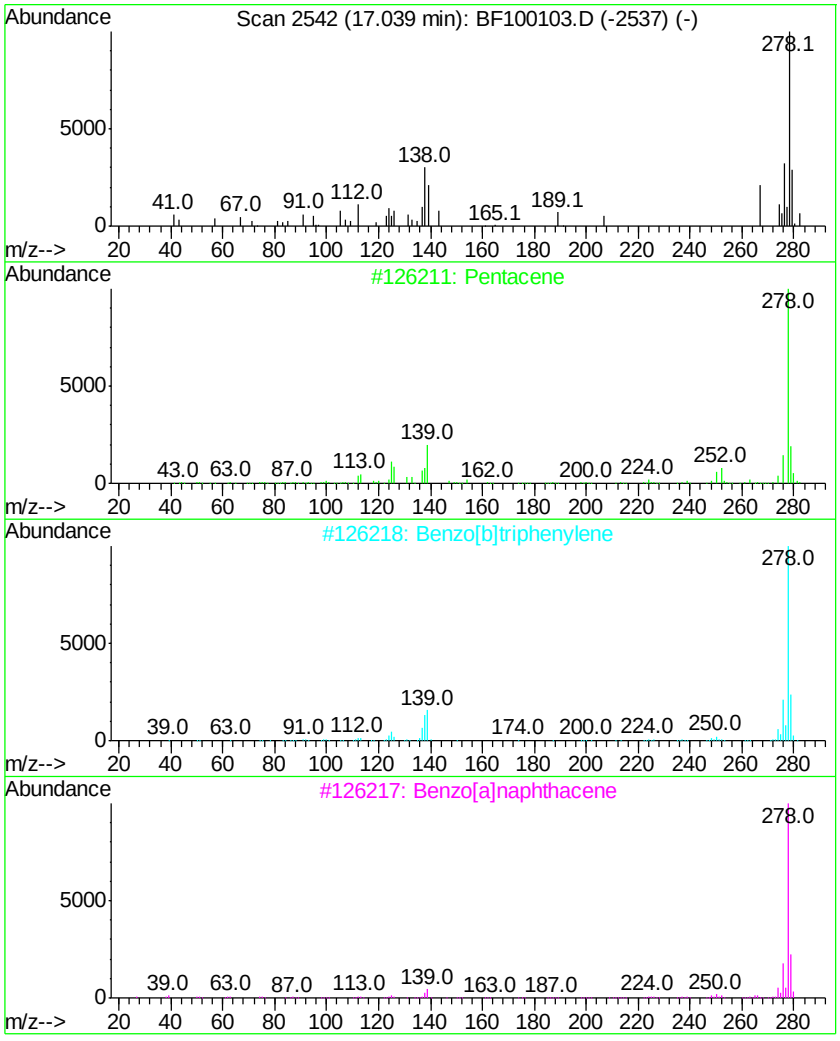
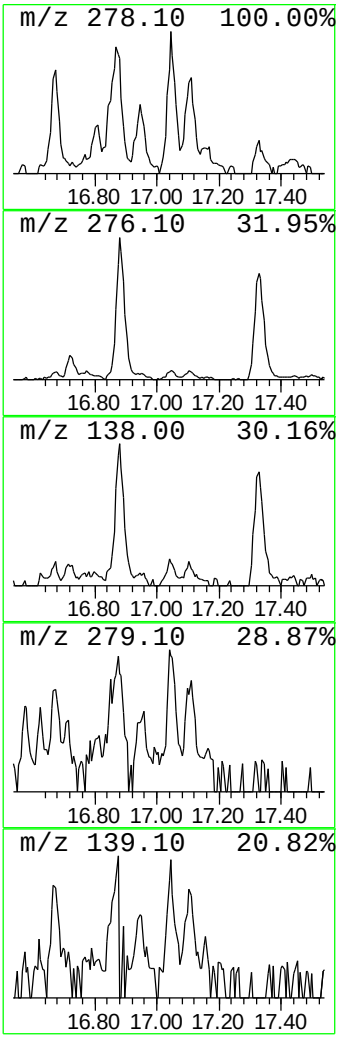
Peak Number 10 Pentacene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	2.39 ng	54036	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacene	278	C22H14	000135-48-8	64
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	64
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	53
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	52
5	Dibenz[a,j]anthracene	278	C22H14	000224-41-9	50





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF110217\
Data File : BF100103.D
Acq On : 2 Nov 2017 23:33
Operator : SJ/JU
Sample : I6216-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EPE-109-3(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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...	4.97	8.9	ng	224922	1	6.77	505579	20.0
unknown6.54	6.54	54.0	ng	1364620	1	6.77	505579	20.0
Decanoic acid, si...	11.81	2.1	ng	68981	4	11.30	645830	20.0
4H-Cyclopenta[def...	11.92	2.1	ng	69474	4	11.30	645830	20.0
11H-Benzo[b]fluorene	13.07	2.2	ng	89542	5	13.94	822487	20.0
Benzo[e]pyrene	15.29	7.7	ng	174788	6	15.41	452505	20.0
Pentacene	17.04	2.4	ng	54036	6	15.41	452505	20.0