LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
Data File : BF101861.D
Acq On : 3 Jan 2018 15:50
Operator : SJ/JU
Sample : I6680-27 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-122917-D

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-BF121417.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	3.787	284	289	298	rBV2	14527	32586	2.39%	0.171%
2	4.992	490	494	504	rBV	35474	76879	5.65%	0.403%
3	5.398	560	563	588	rBV	638203	1320324	97.01%	6.917%
4	6.422	734	737	755	rBV	621176	1228688	90.28%	6.437%
5	6.545	755	758	773	rVB	1095774	1334312	98.04%	6.991%
6	6.769	793	796	808	rBV	832180	843338	61.96%	4.418%
7	6.922	819	822	836	rBV	932081	1013303	74.45%	5.309%
8	7.345	891	894	916	rBV	463933	751764	55.24%	3.939%
9	8.051	1011	1014	1034	rVB	925220	977256	71.80%	5.120%
10	8.622	1107	1111	1120	rBV2	46229	64274	4.72%	0.337%
11	9.122	1193	1196	1204	rBV	1288366	1112432	81.74%	5.828%
12	9.192	1204	1208	1211	rVB2	21681	24289	1.78%	0.127%
13	9.527	1262	1265	1273	rVB	88559	106765	7.84%	0.559%
14	9.675	1284	1290	1293	rBV	63715	64410	4.73%	0.337%
15	9.716	1295	1297	1302	rVB	34451	29622	2.18%	0.155%
16	9.804	1308	1312	1316	rBV	958574	855099	62.83%	4.480%
17	9.839	1316	1318	1325	rVB	30049	37701	2.77%	0.198%
18	10.027	1348	1350	1357	rVB3	7534	15683	1.15%	0.082%
19	10.216	1379	1382	1384	rBV	41301	29785	2.19%	0.156%
20	10.333	1400	1402	1405	rBV4	15172	20331	1.49%	0.107%
21	10.363	1405	1407	1413	rVB2	29037	33401	2.45%	0.175%
22	10.433	1413	1419	1422	rBV4	18532	29197	2.15%	0.153%
23	10.522	1431	1434	1438	rBV	153224	146322	10.75%	0.767%
24	10.604	1445	1448	1460	rVB	529373	603359	44.33%	3.161%
25	10.692	1460	1463	1467	rBV	34779	46697	3.43%	0.245%
26	10.910	1496	1500	1503	rBV4	15982	22830	1.68%	0.120%
27	11.133	1536	1538	1541	rBV2	26641	26678	1.96%	0.140%
28	11.298	1563	1566	1569	rBV	1040724	946220	69.52%	4.957%
29	11.322	1569	1570	1577	rVV	245282	215439	15.83%	1.129%
30	11.380	1577	1580	1587	rVB	92021	116300	8.55%	0.609%
31	11.557	1606	1610	1613	rBV2	44636	53844	3.96%	0.282%
32	11.633	1621	1623	1626	rVB	20288	17614	1.29%	0.092%
33	11.810	1649	1653	1655	rBV2	117786	140683	10.34%	0.737%
34	11.833	1655	1657	1663	rVV	86865	95668	7.03%	0.501%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
Data File : BF101861.D
Acq On : 3 Jan 2018 15:50
Operator : SJ/JU
Sample : I6680-27 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-122917-D

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.880	1663	1665	1668	rVV	35234	38884	2.86%	0.204%
36	11.916	1668	1671	1673	rVV	124725	128102	9.41%	0.671%
37	11.939	1673	1675	1678	rVV	49283	46513	3.42%	0.244%
38	11.969	1678	1680	1682	rVB	27308	20652	1.52%	0.108%
39	12.092	1699	1701	1704	rBV2	38071	34633	2.54%	0.181%
40	12.245	1725	1727	1730	rVB3	21599	16642	1.22%	0.087%
41	12.274	1730	1732	1734	rBV	30012	25297	1.86%	0.133%
42	12.351	1742	1745	1747	rBV2	127493	126962	9.33%	0.665%
43	12.433	1757	1759	1761	rBV2	20414	22623	1.66%	0.119%
44	12.516	1770	1773	1778	rBV	587253	556684	40.90%	2.917%
45	12.592	1784	1786	1788	rBV2	44113	41892	3.08%	0.219%
46	12.674	1797	1800	1801	rBV2	35908	40417	2.97%	0.212%
47	12.745	1807	1812	1818	rBV	558508	682053	50.11%	3.573%
48	12.798	1819	1821	1824	rVV	38485	35511	2.61%	0.186%
49	12.874	1831	1834	1838	rBV	1274048	1068016	78.47%	5.595%
50	13.080	1866	1869	1873	rVB	114943	118546	8.71%	0.621%
51	13.145	1877	1880	1883	rBV2	66579	58424	4.29%	0.306%
52	13.186	1884	1887	1889	rBV2	65287	69162	5.08%	0.362%
53	13.274	1900	1902	1905	rBV	70704	80933	5.95%	0.424%
54	13.757	1981	1984	1987	rBV2	202783	233000	17.12%	1.221%
55	13.951	2012	2017	2020	rBV2	1153946	1361008	100.00%	7.130%
56	14.998	2191	2195	2198	rBV	341469	479944	35.26%	2.514%
57	15.298	2243	2246	2250	rBV	203896	249126	18.30%	1.305%
58	15.362	2254	2257	2262	rVB2	316876	375800	27.61%	1.969%
59	15.421	2263	2267	2275	rVB	557545	743407	54.62%	3.895%

Sum of corrected areas: 19087324

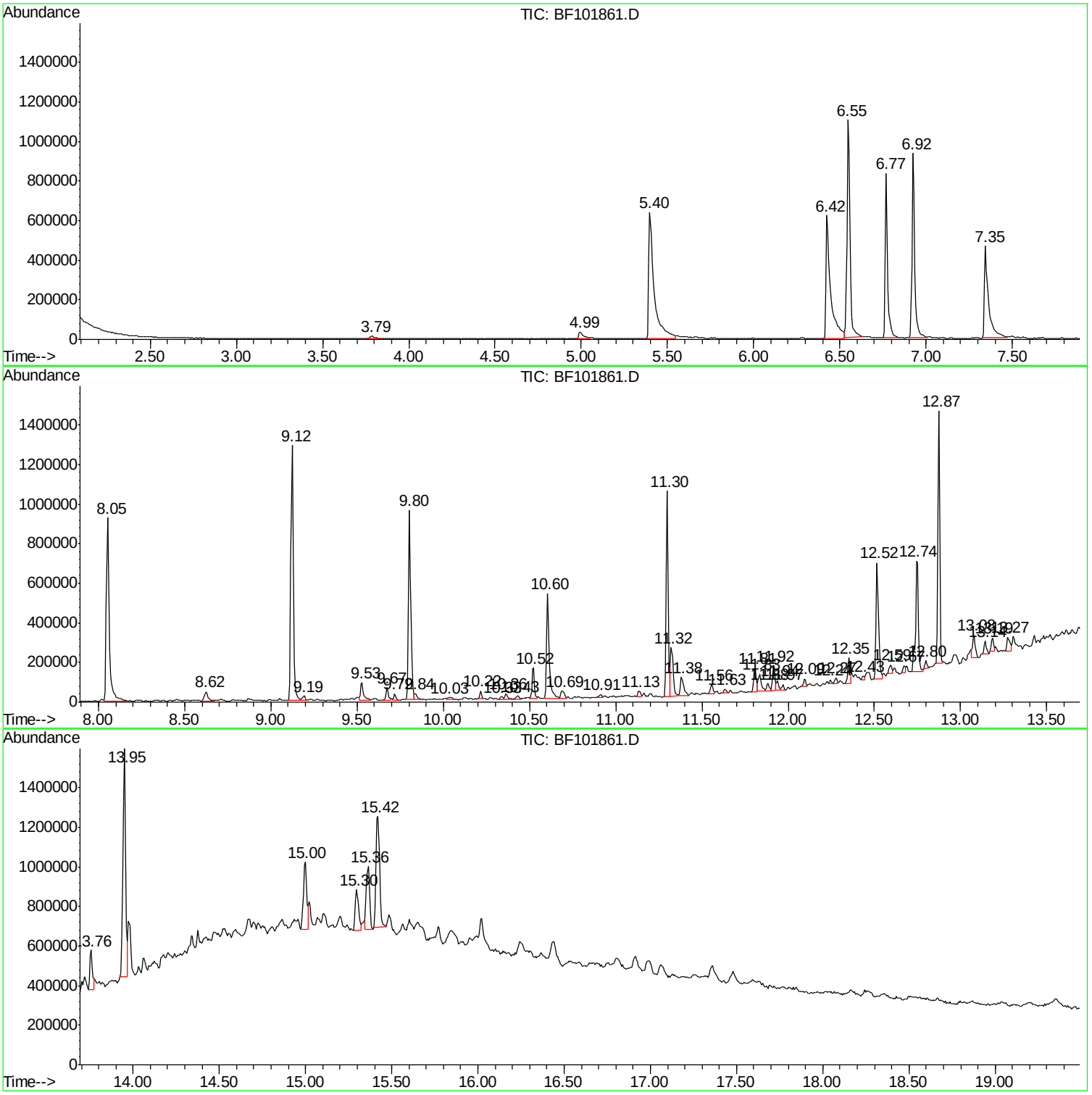
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
Data File : BF101861.D
Acq On : 3 Jan 2018 15:50
Operator : SJ/JU
Sample : I6680-27 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-122917-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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\BF010318\
Data File : BF101861.D
Acq On : 3 Jan 2018 15:50
Operator : SJ/JU
Sample : I6680-27 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-122917-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

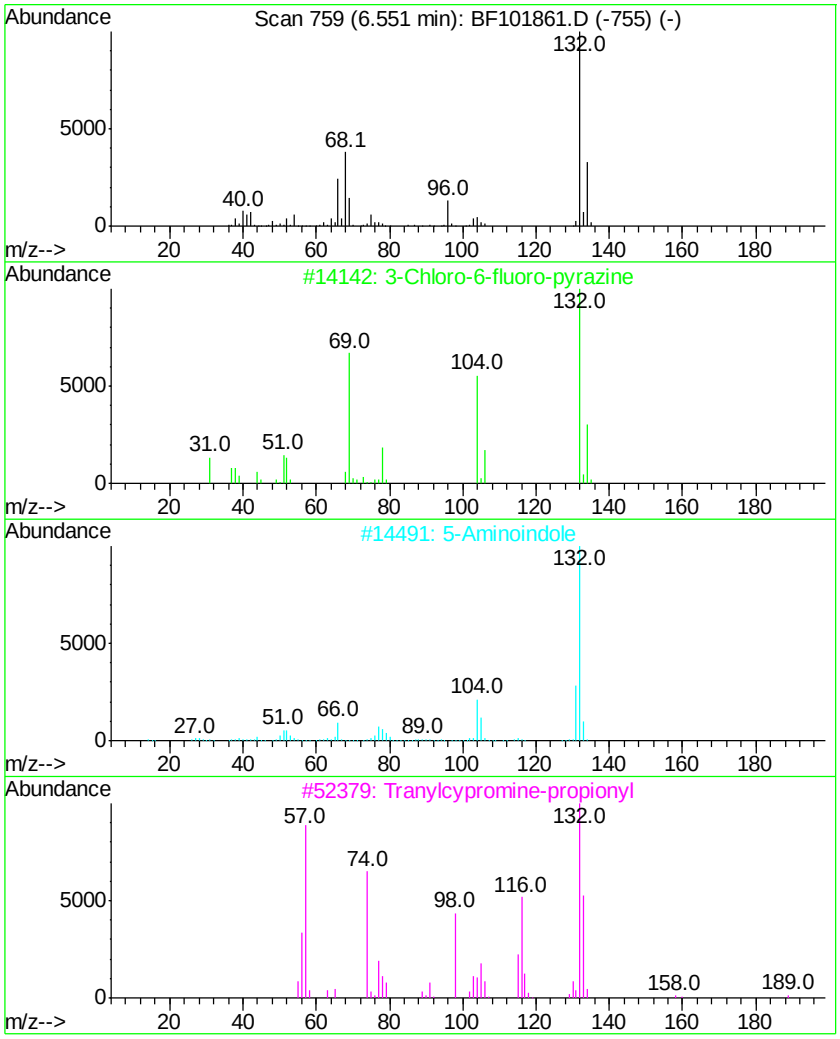
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

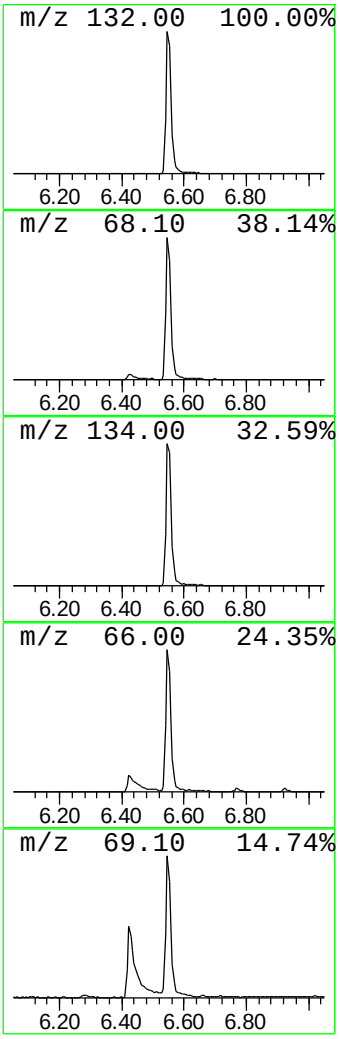
****

Peak Number 1 unknown6.55 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	31.64 ng	1334310	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	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
Data File : BF101861.D
Acq On : 3 Jan 2018 15:50
Operator : SJ/JU
Sample : I6680-27 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-122917-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

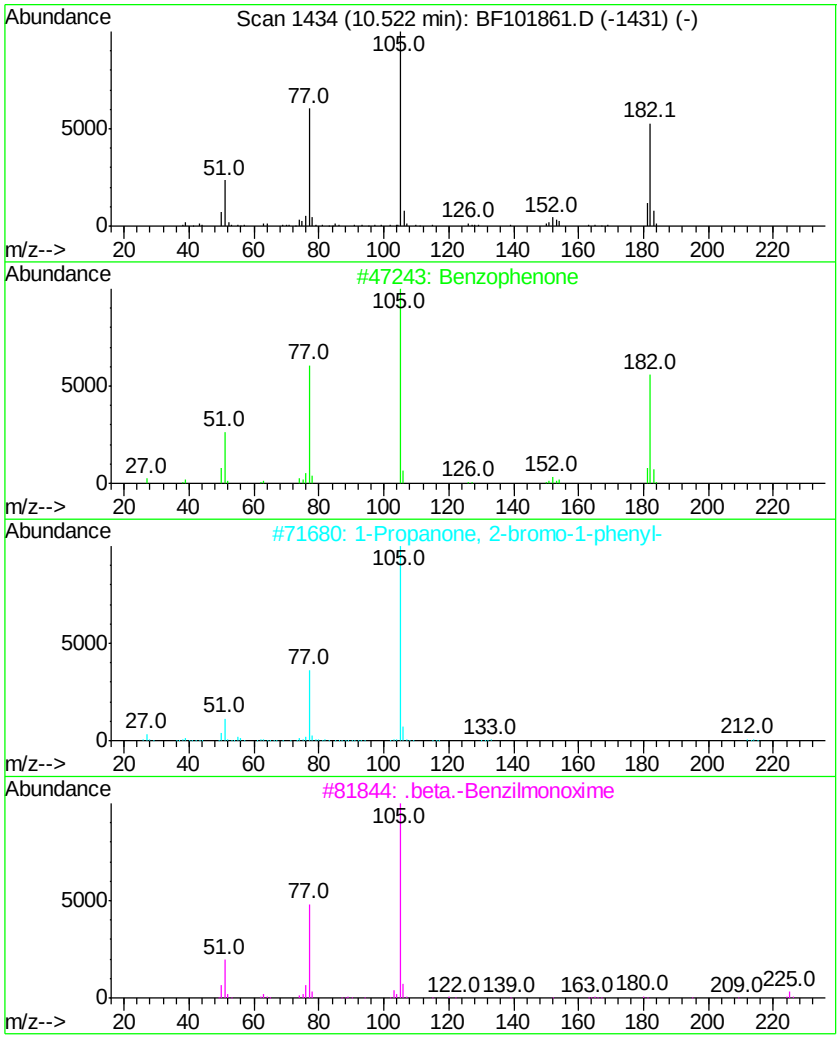
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

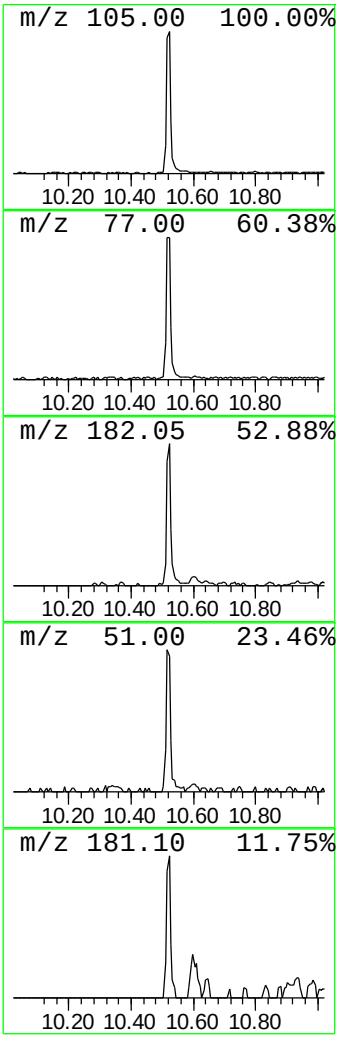
****

Peak Number 3 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	3.42 ng	146322	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
3	.beta.-Benzilmonoxime	225	C14H11NO2	014090-77-8	47
4	Benzoic acid, ethyl ester	150	C9H10O2	000093-89-0	47
5	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
Data File : BF101861.D
Acq On : 3 Jan 2018 15:50
Operator : SJ/JU
Sample : I6680-27 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-122917-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

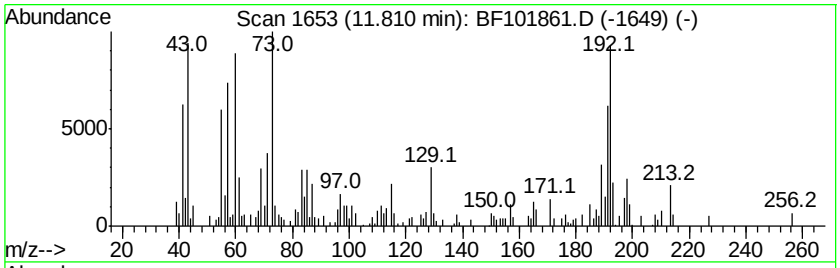
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

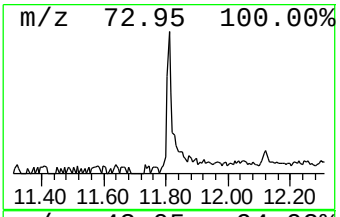
****

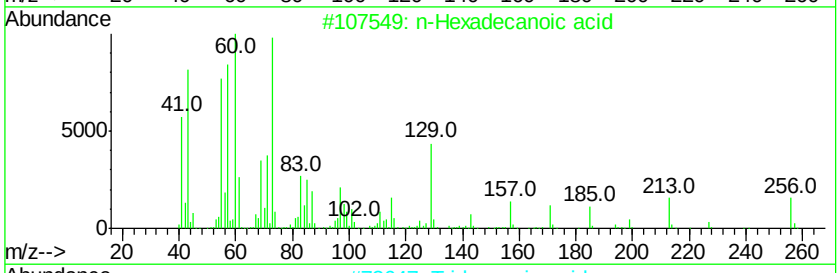
Peak Number 4 n-Hexadecanoic acid Concentration Rank 6

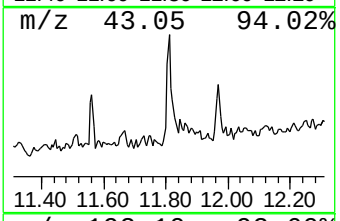
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	2.97 ng	140683	Phenanthrene-d10	11.30

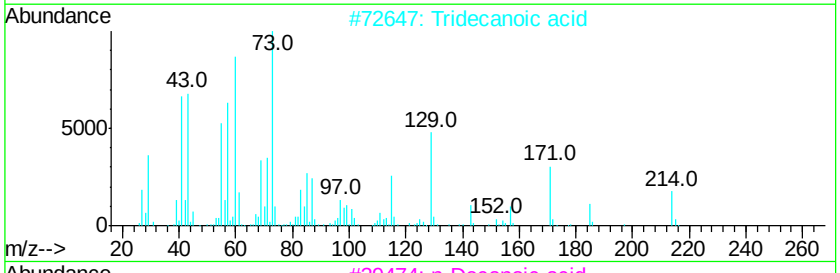
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	76
2	Tridecanoic acid	214	C13H26O2	000638-53-9	59
3	n-Decanoic acid	172	C10H20O2	000334-48-5	44
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	43
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42

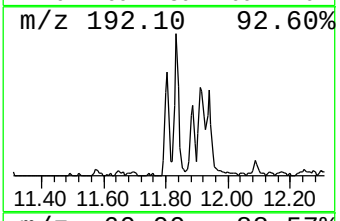


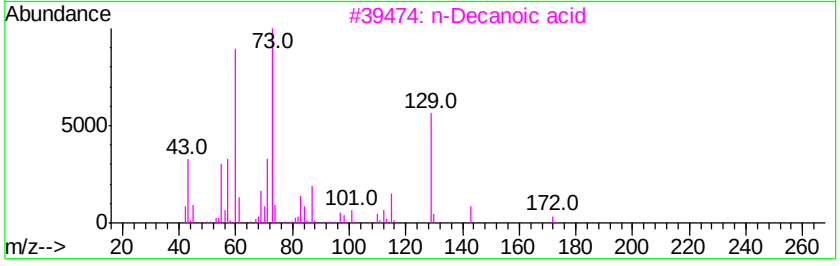


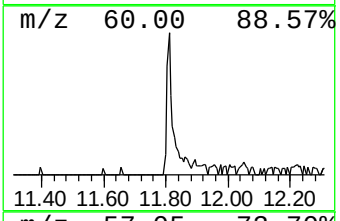


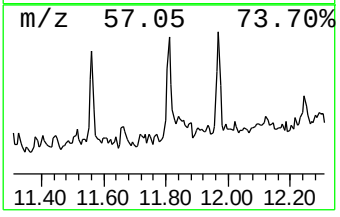












Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
Data File : BF101861.D
Acq On : 3 Jan 2018 15:50
Operator : SJ/JU
Sample : I6680-27 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-122917-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

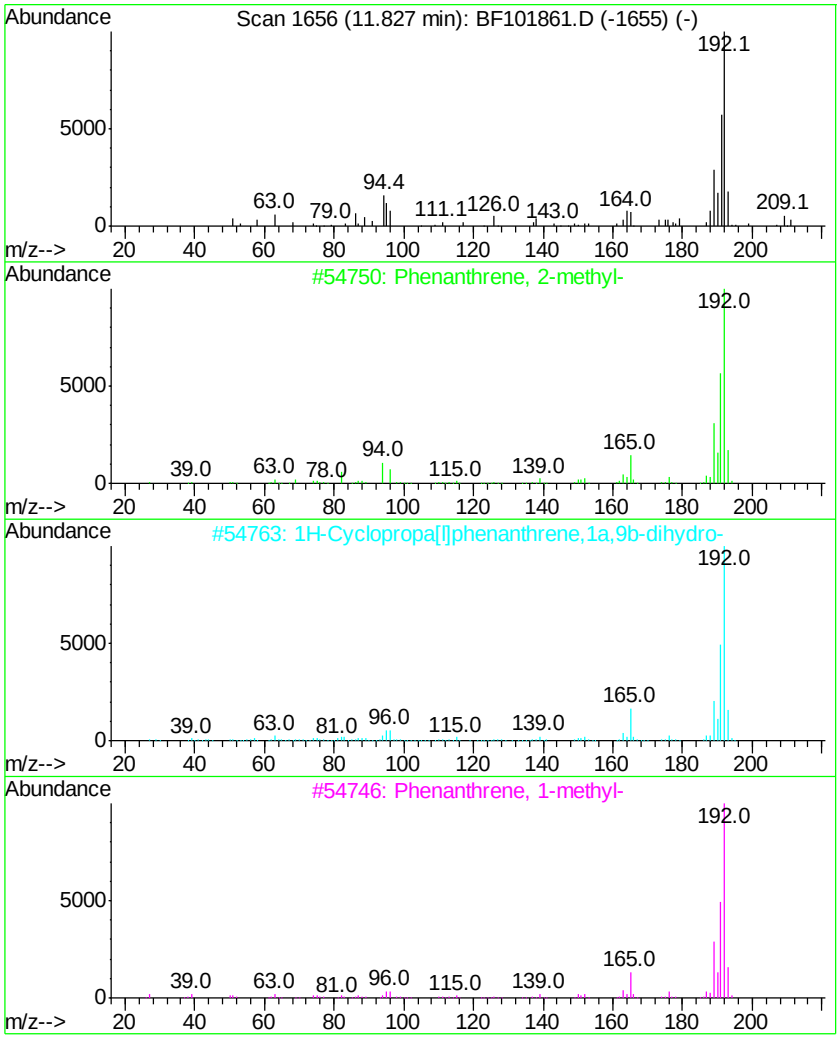
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

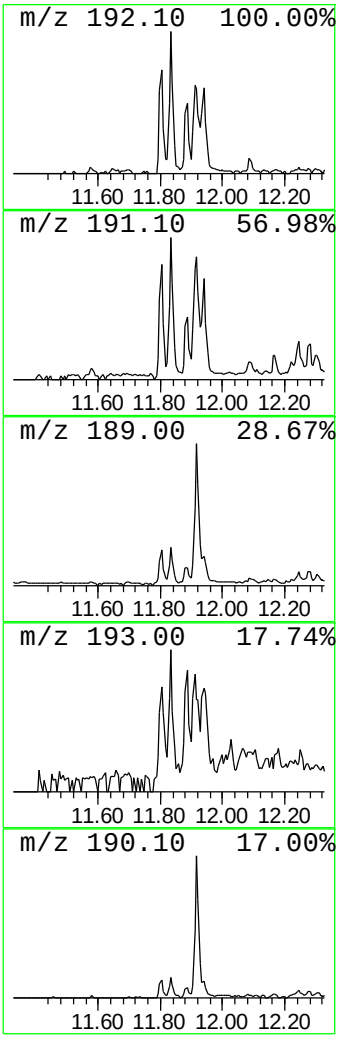
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.02 ng	95668	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
Data File : BF101861.D
Acq On : 3 Jan 2018 15:50
Operator : SJ/JU
Sample : I6680-27 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-122917-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

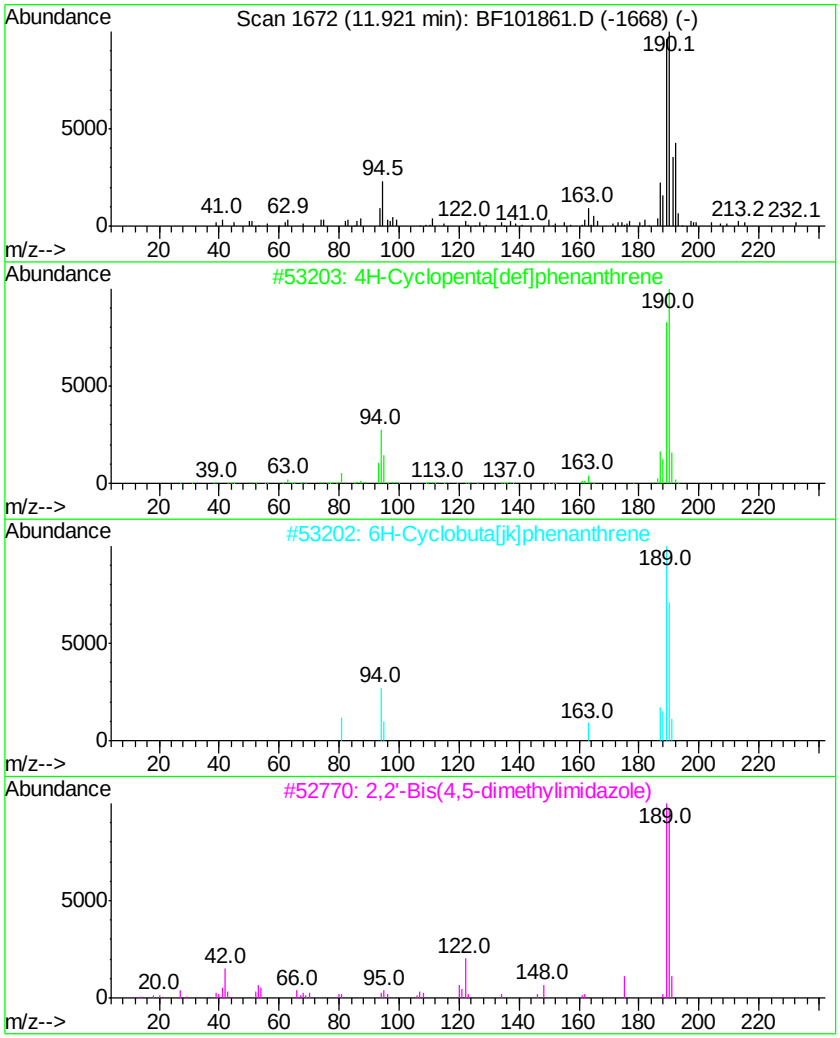
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

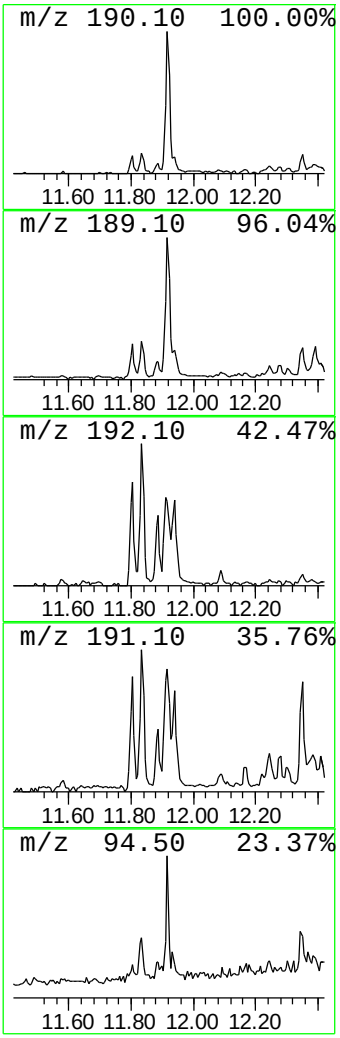
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.71 ng	128102	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	28
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	16





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
Data File : BF101861.D
Acq On : 3 Jan 2018 15:50
Operator : SJ/JU
Sample : I6680-27 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-122917-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

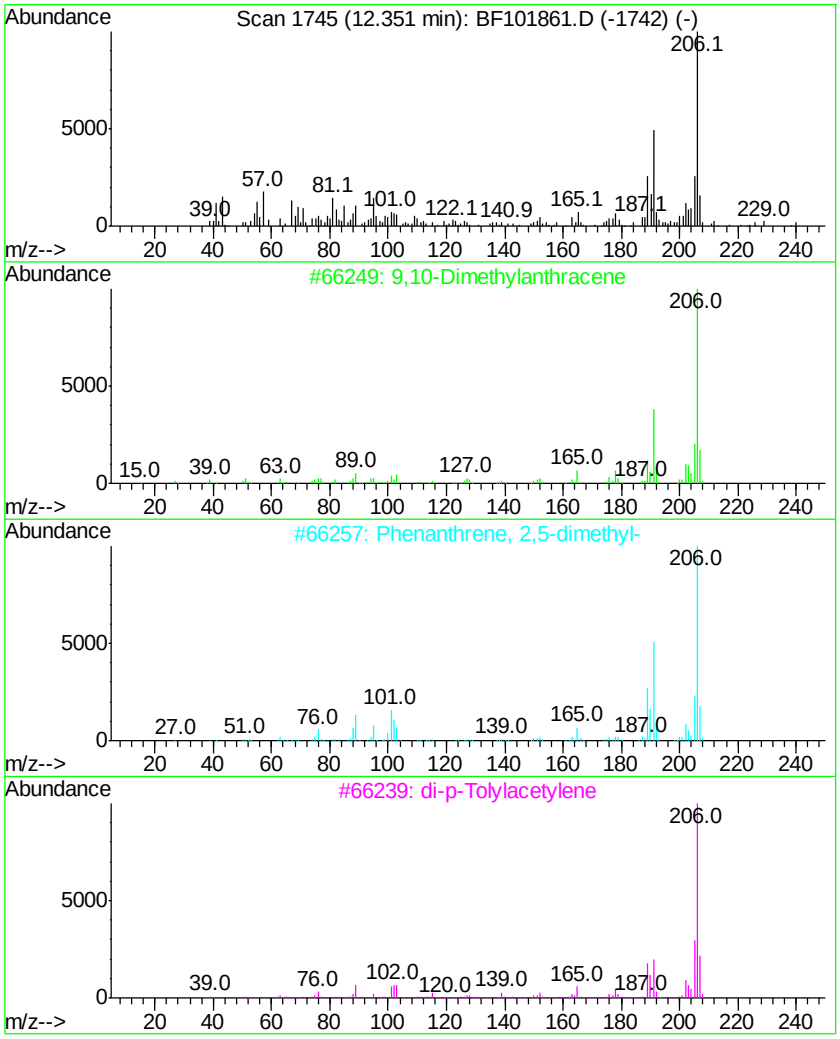
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

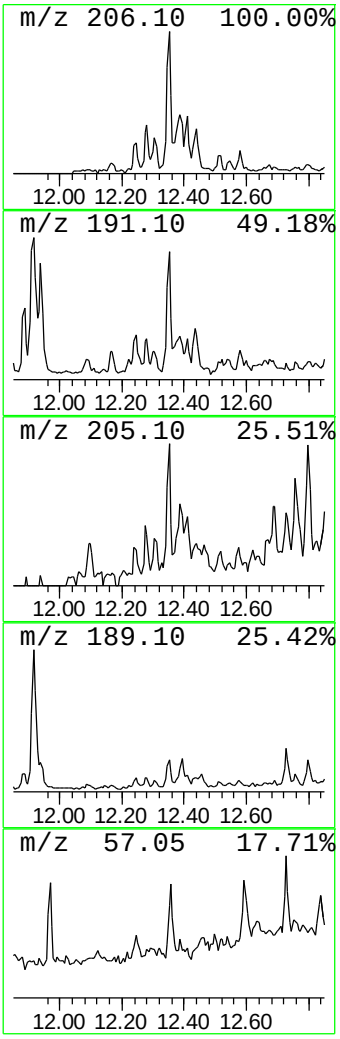
****

Peak Number 7 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	2.68 ng	126962	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
Data File : BF101861.D
Acq On : 3 Jan 2018 15:50
Operator : SJ/JU
Sample : I6680-27 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-122917-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

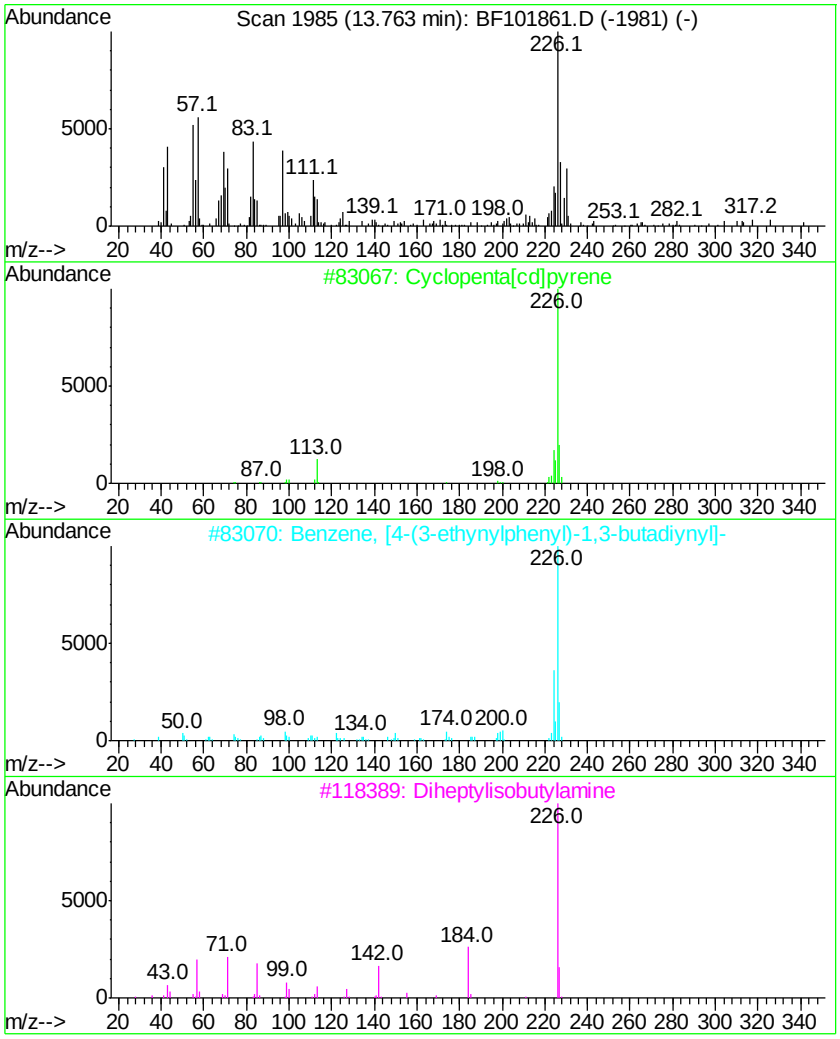
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

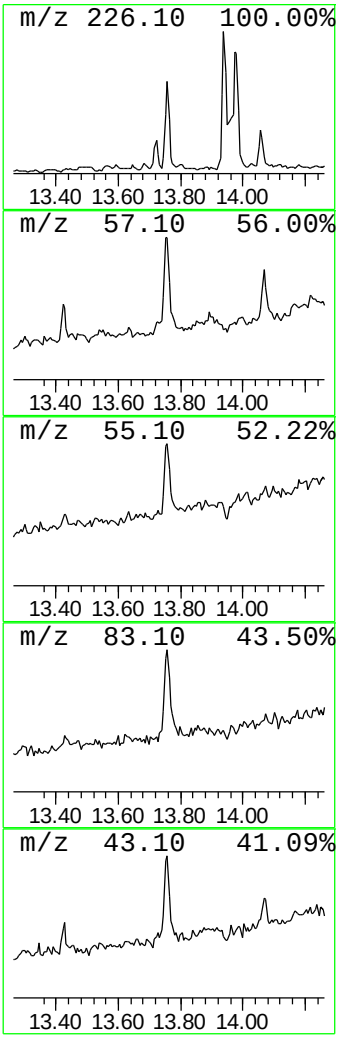
****

Peak Number 8 Cyclopenta[cd]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	3.42 ng	233000	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	55
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	38
3	Diheptylisobutylamine	269	C18H39N	1000310-32-0	38
4	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	35
5	L-Valine, N-(2,6-difluoro-3-meth...	425	C24H37F2NO3	1000346-45-0	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
Data File : BF101861.D
Acq On : 3 Jan 2018 15:50
Operator : SJ/JU
Sample : I6680-27 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-122917-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

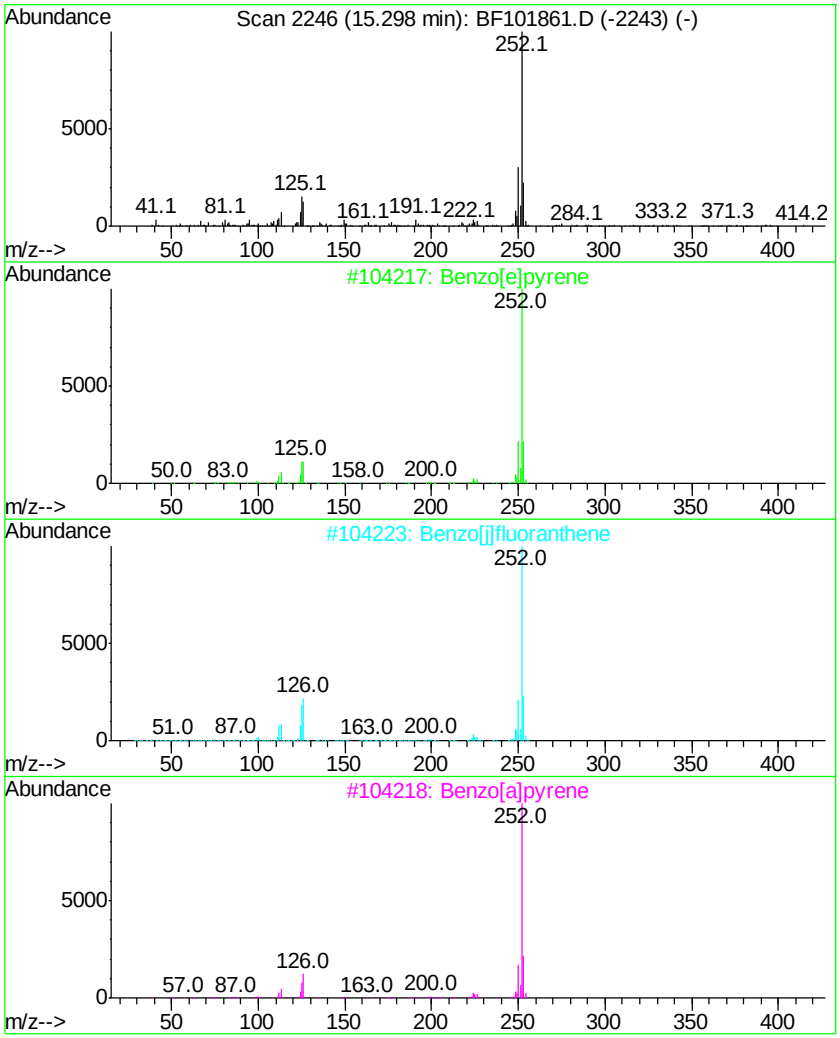
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

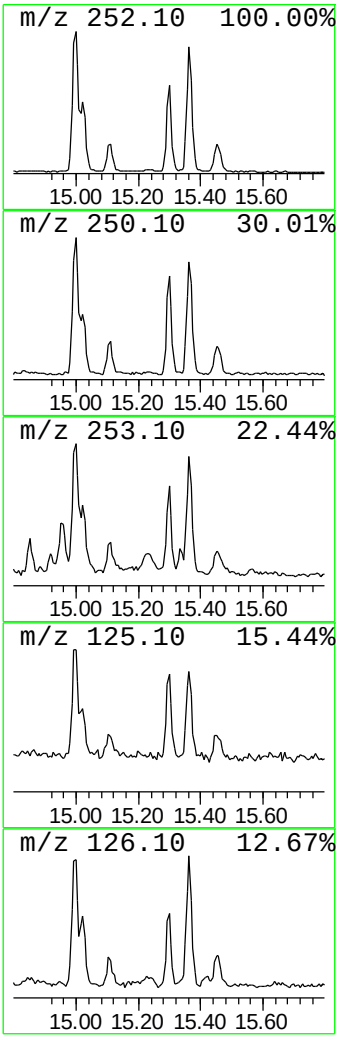
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	6.70 ng	249126	Perylene-d12	15.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010318\
Data File : BF101861.D
Acq On : 3 Jan 2018 15:50
Operator : SJ/JU
Sample : I6680-27 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-122917-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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
unknown6.55	6.55	31.6	ng	1334310	1	6.77	843338	20.0
Benzophenone	10.52	3.4	ng	146322	3	9.80	855099	20.0
n-Hexadecanoic acid	11.81	3.0	ng	140683	4	11.30	946220	20.0
Phenanthrene, 2-m...	11.83	2.0	ng	95668	4	11.30	946220	20.0
4H-Cyclopenta[def...	11.92	2.7	ng	128102	4	11.30	946220	20.0
9,10-Dimethylanth...	12.35	2.7	ng	126962	4	11.30	946220	20.0
Cyclopenta[cd]pyrene	13.76	3.4	ng	233000	5	13.95	1361010	20.0
Benzo[e]pyrene	15.30	6.7	ng	249126	6	15.42	743407	20.0