LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107601.D
Acq On : 23 Jul 2018 21:07
Operator : JU/SJ
Sample : J4106-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MARKET-ST

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.213	485	489	501	rBV	640088	772393	16.79%	1.700%
2	5.607	552	556	581	rBV	3575418	4599140	100.00%	10.120%
3	6.607	722	726	746	rBV	3357193	4394596	95.55%	9.670%
4	6.748	746	750	774	rVB	4202626	4590795	99.82%	10.102%
5	6.978	785	789	805	rBV	1222935	1325858	28.83%	2.917%
6	7.131	811	815	831	rBV	3567881	3584428	77.94%	7.887%
7	7.537	880	884	908	rBV	2074083	2690586	58.50%	5.920%
8	8.260	1003	1007	1023	rBV	1416899	1489751	32.39%	3.278%
9	9.331	1185	1189	1200	rBV	4003888	3912826	85.08%	8.610%
10	9.725	1252	1256	1265	rVB	247199	245475	5.34%	0.540%
11	9.883	1279	1283	1288	rBV	98053	102095	2.22%	0.225%
12	10.019	1302	1306	1310	rBV	1520675	1344236	29.23%	2.958%
13	10.431	1369	1376	1380	rVB4	36477	53812	1.17%	0.118%
14	10.813	1437	1441	1454	rBV	2561339	2747861	59.75%	6.046%
15	10.907	1454	1457	1466	rVB5	38349	83847	1.82%	0.184%
16	11.513	1556	1560	1563	rBV	1529710	1535958	33.40%	3.380%
17	11.536	1563	1564	1571	rVV	439701	409697	8.91%	0.901%
18	11.595	1571	1574	1577	rVB	64028	69380	1.51%	0.153%
19	11.754	1596	1601	1603	rBV3	40546	63891	1.39%	0.141%
20	12.019	1642	1646	1649	rBV	249654	276511	6.01%	0.608%
21	12.048	1649	1651	1655	rVB2	158642	177311	3.86%	0.390%
22	12.130	1662	1665	1667	rBV2	146453	178900	3.89%	0.394%
23	12.154	1667	1669	1672	rVB	110469	93828	2.04%	0.206%
24	12.313	1693	1696	1698	rBV2	57108	59206	1.29%	0.130%
25	12.342	1698	1701	1707	rVB6	50093	60870	1.32%	0.134%
26	12.460	1716	1721	1724	rBV5	49070	76674	1.67%	0.169%
27	12.566	1736	1739	1743	rBV2	144197	191737	4.17%	0.422%
28	12.654	1752	1754	1763	rVB6	64253	119851	2.61%	0.264%
29	12.730	1764	1767	1771	rBV	621888	641101	13.94%	1.411%
30	12.966	1801	1807	1813	rBV	701051	857548	18.65%	1.887%
31	13.013	1813	1815	1819	rVB	71078	70040	1.52%	0.154%
32	13.101	1826	1830	1840	rVB	4443573	4292198	93.33%	9.445%
33	13.177	1840	1843	1849	rBV4	80899	123230	2.68%	0.271%
34	13.289	1855	1862	1864	rBV	171297	286106	6.22%	0.630%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107601.D
Acq On : 23 Jul 2018 21:07
Operator : JU/SJ
Sample : J4106-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MARKET-ST

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.360	1871	1874	1876	rBV2	70556	62278	1.35%	0.137%
36	13.395	1878	1880	1883	rVB	93459	78203	1.70%	0.172%
37	13.489	1894	1896	1899	rBV	76694	74960	1.63%	0.165%
38	13.519	1899	1901	1906	rVV	78123	90749	1.97%	0.200%
39	13.654	1921	1924	1926	rBV2	100826	93723	2.04%	0.206%
40	13.983	1976	1980	1983	rBV2	336390	379088	8.24%	0.834%
41	14.119	2001	2003	2006	rBV	81901	62520	1.36%	0.138%
42	14.166	2006	2011	2014	rBV2	1581488	1737021	37.77%	3.822%
43	14.301	2031	2034	2037	rBV2	130086	143404	3.12%	0.316%
44	15.707	2269	2273	2288	rVB2	703734	1202584	26.15%	2.646%

Sum of corrected areas: 45446266

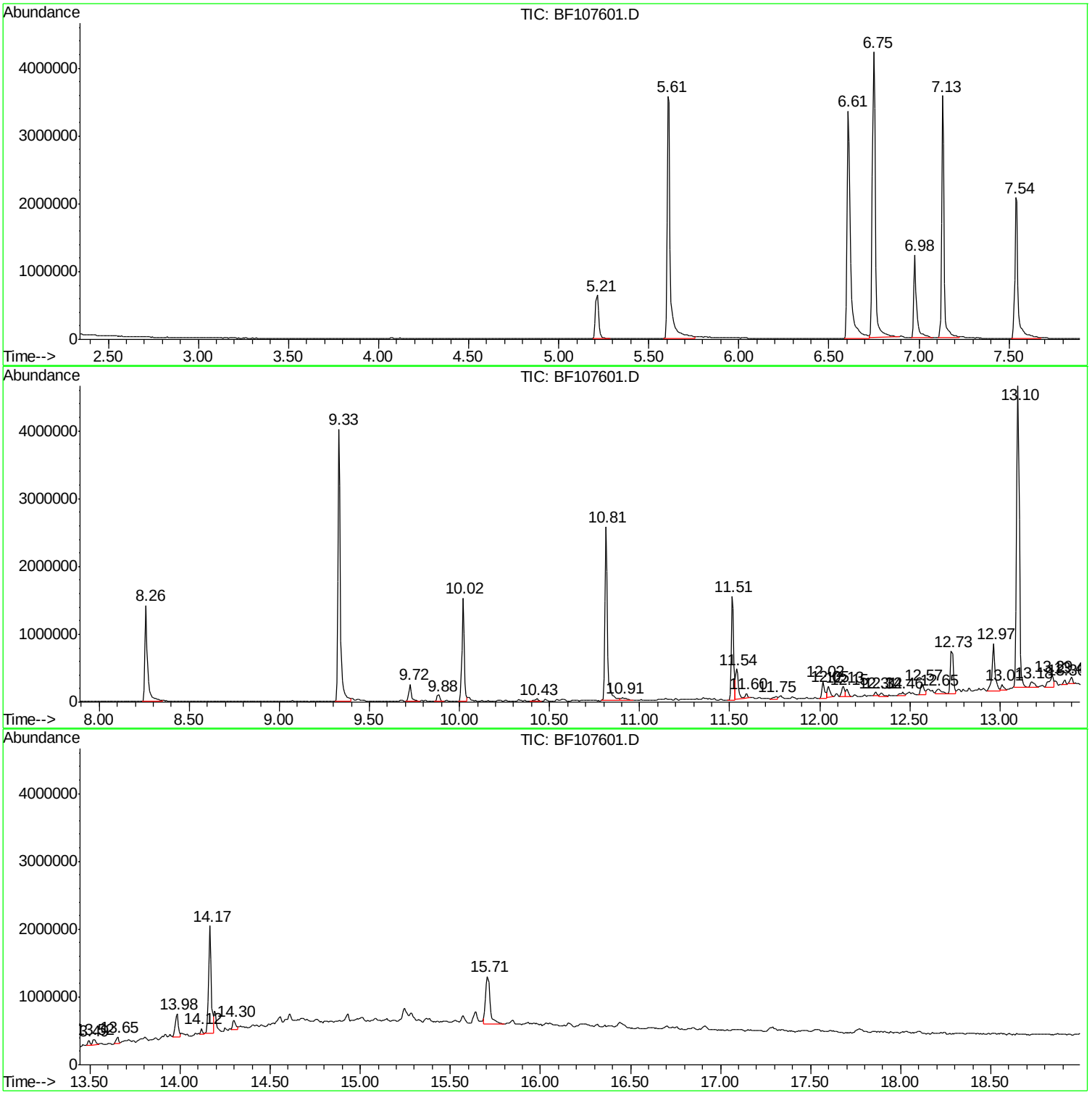
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107601.D
Acq On : 23 Jul 2018 21:07
Operator : JU/SJ
Sample : J4106-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MARKET-ST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107601.D
Acq On : 23 Jul 2018 21:07
Operator : JU/SJ
Sample : J4106-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MARKET-ST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

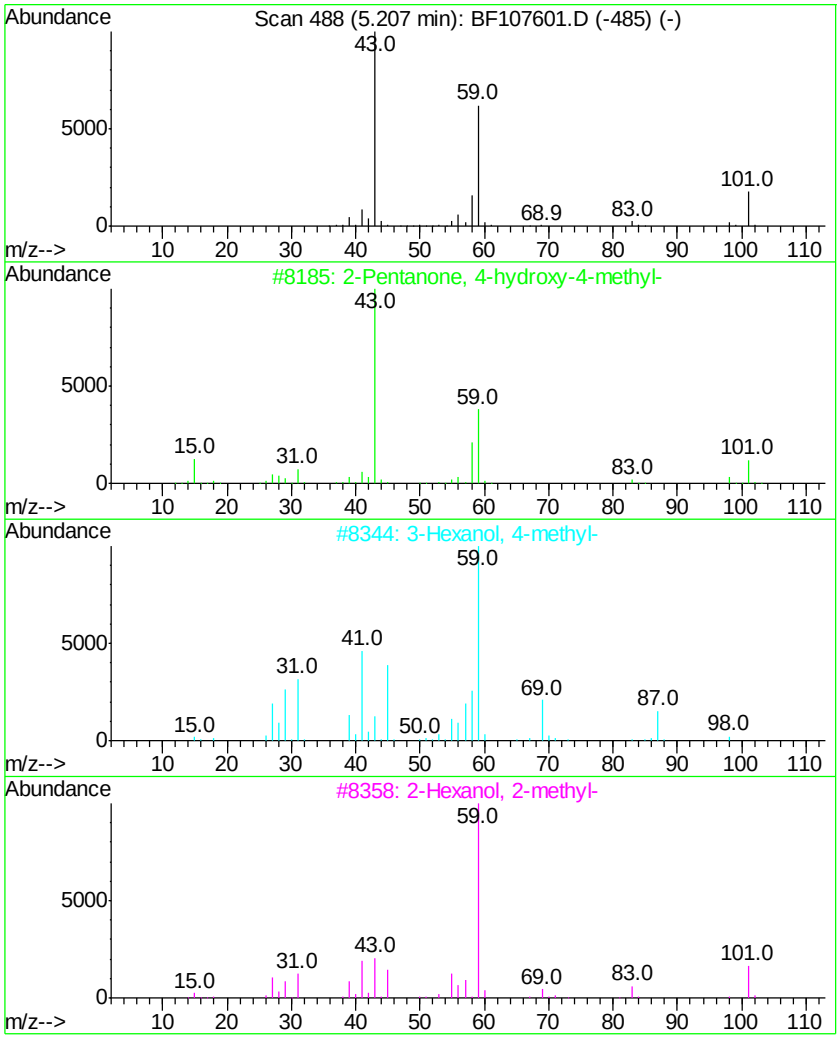
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

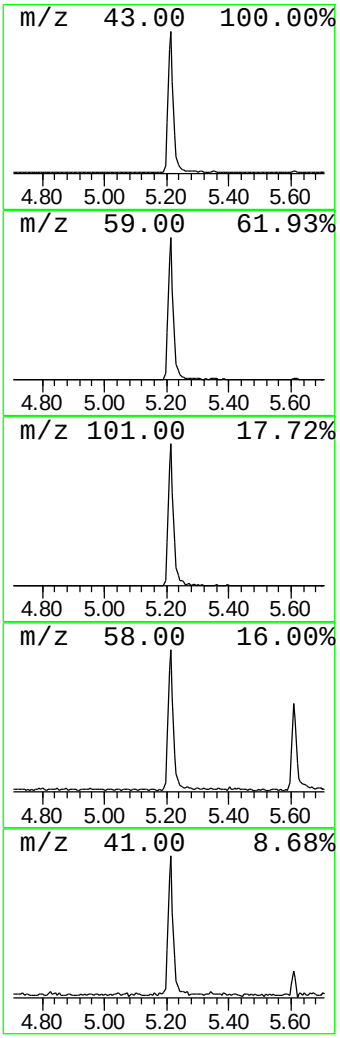
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	11.65 ng	772393	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	Acetone	58	C3H6O	000067-64-1	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107601.D
Acq On : 23 Jul 2018 21:07
Operator : JU/SJ
Sample : J4106-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MARKET-ST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

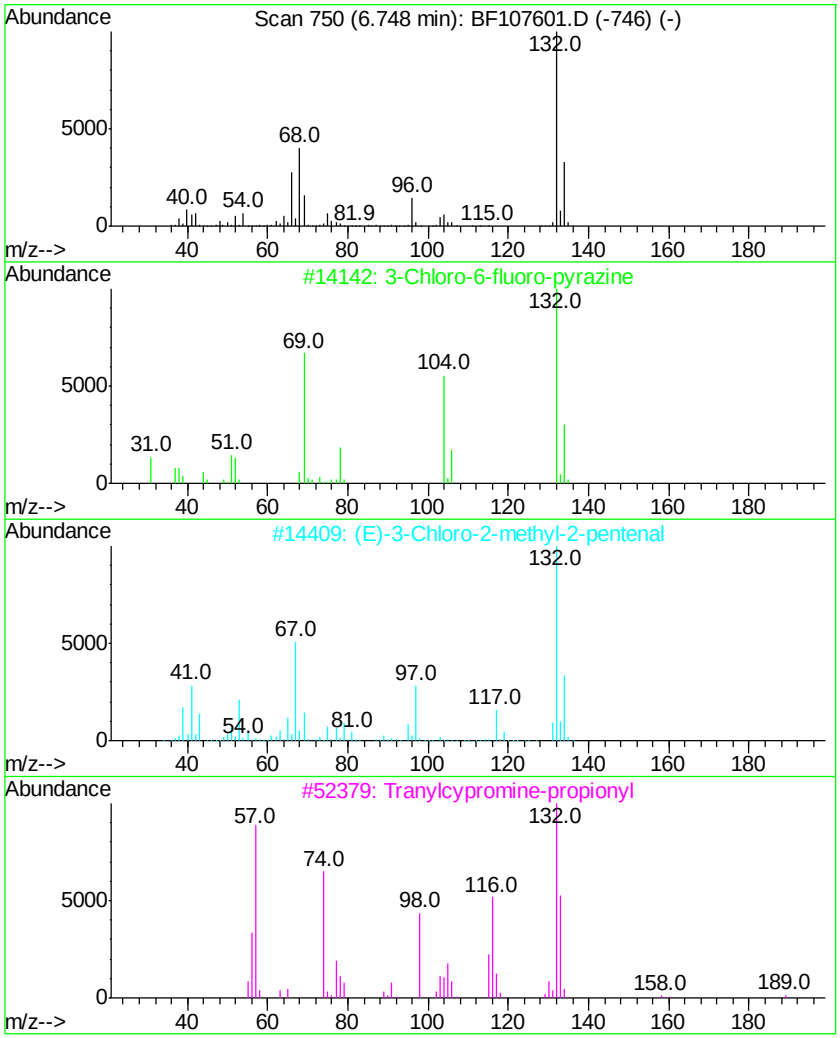
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

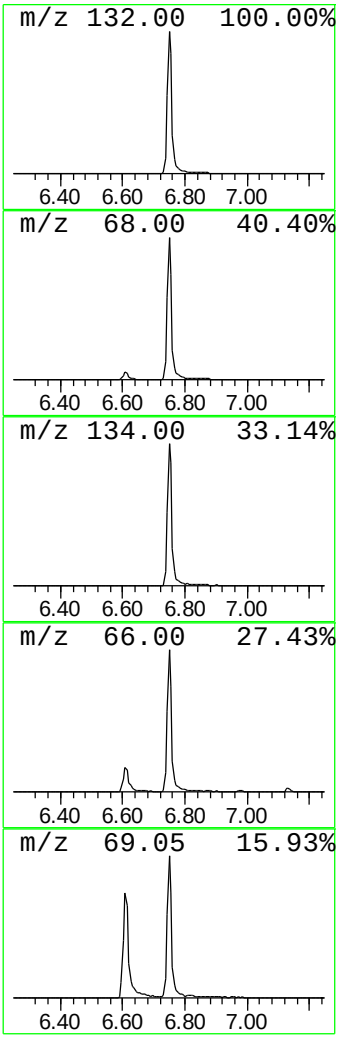
****

Peak Number 2 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	69.25 ng	4590800	1,4-Dichlorobenzene-d4	6.98

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	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107601.D
Acq On : 23 Jul 2018 21:07
Operator : JU/SJ
Sample : J4106-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MARKET-ST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

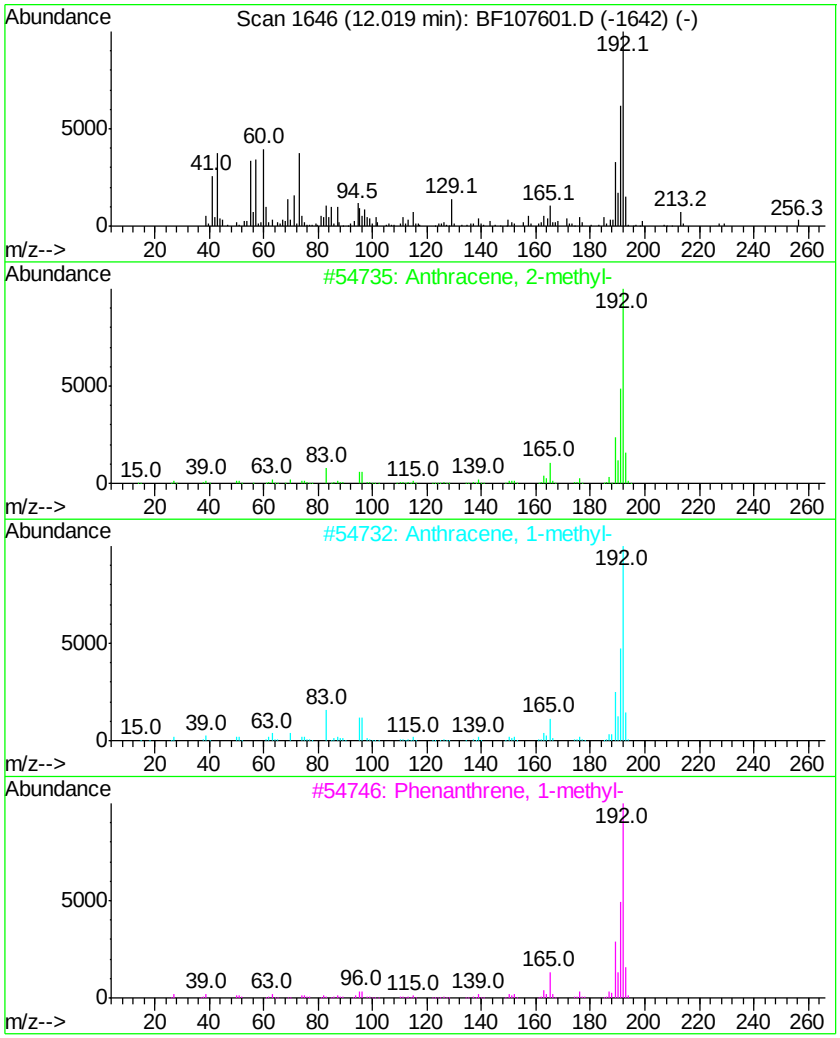
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

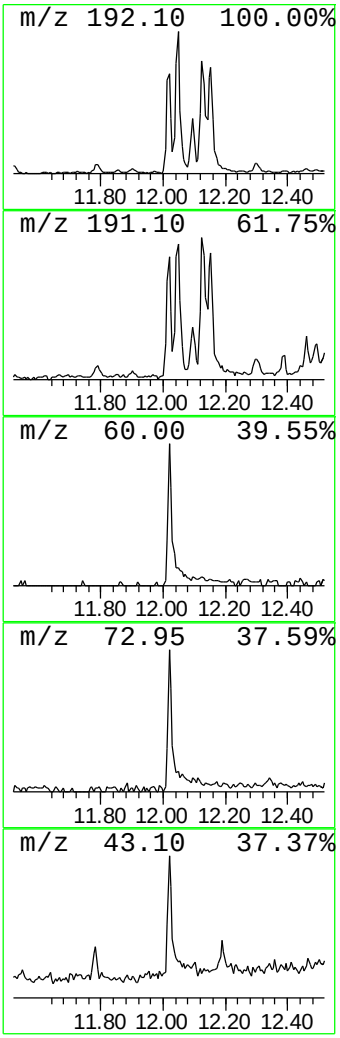
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.60 ng	276511	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	78
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107601.D
Acq On : 23 Jul 2018 21:07
Operator : JU/SJ
Sample : J4106-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MARKET-ST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

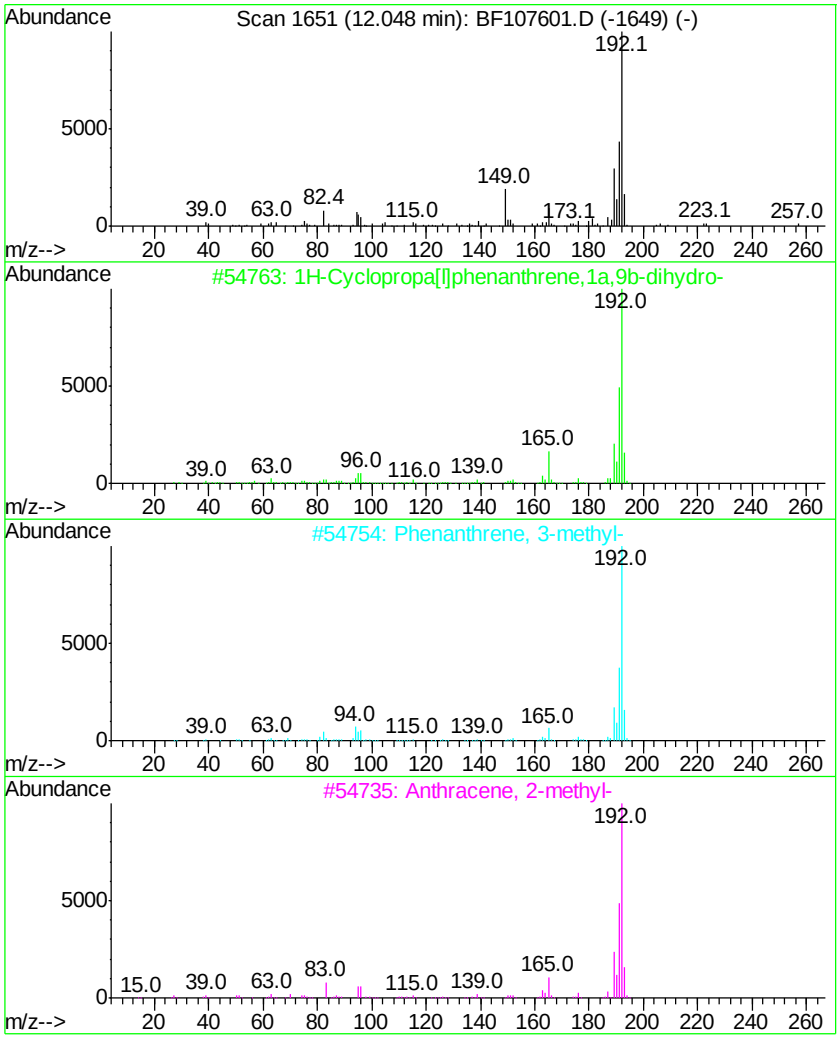
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

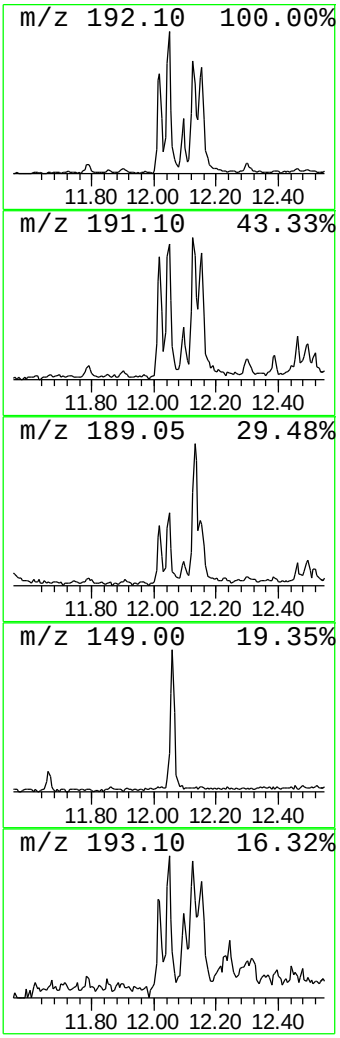
****

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	2.31 ng	177311	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	89
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107601.D
Acq On : 23 Jul 2018 21:07
Operator : JU/SJ
Sample : J4106-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MARKET-ST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

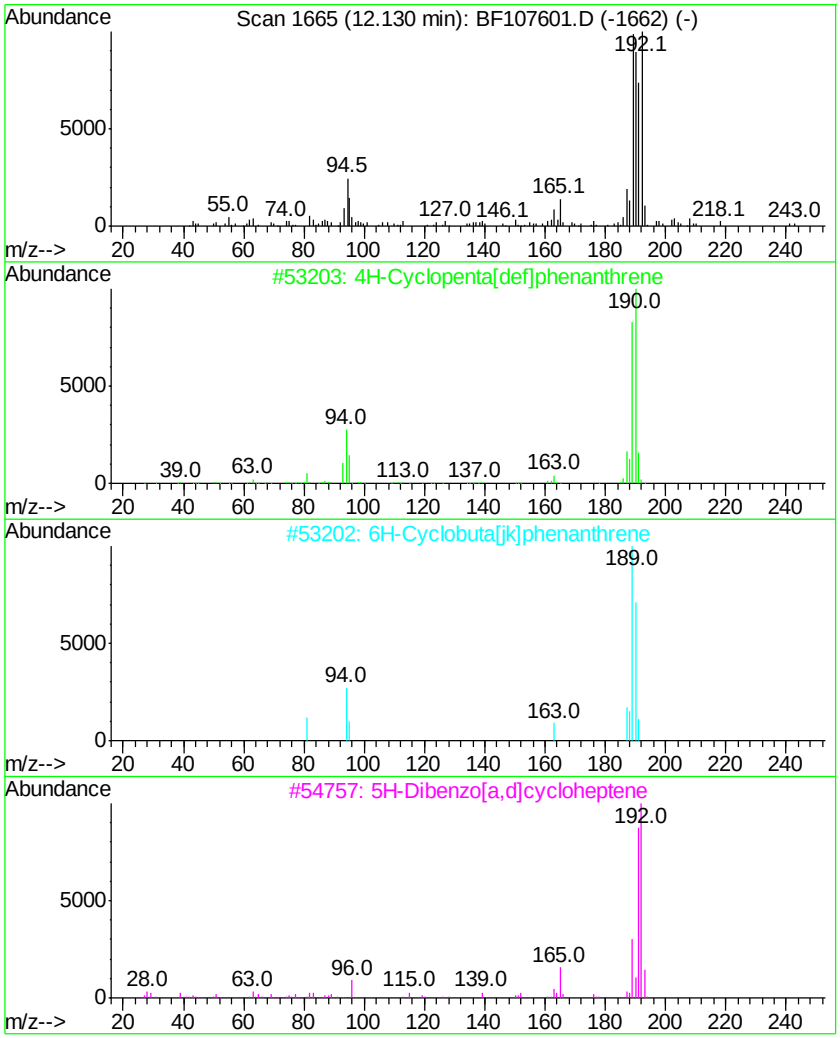
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

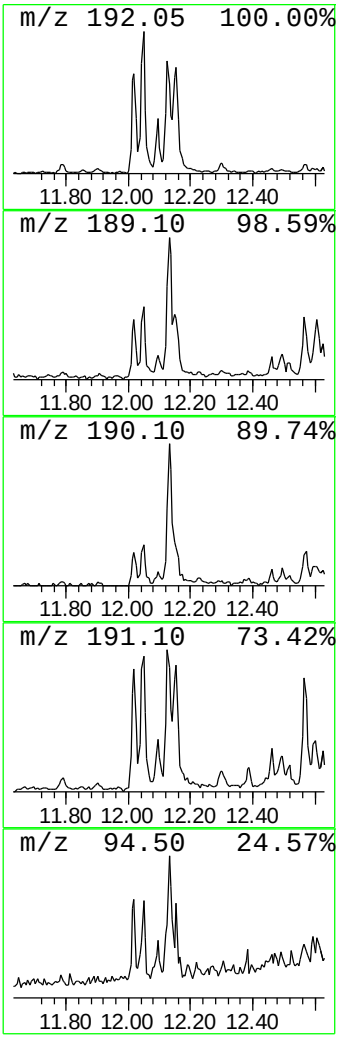
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.33 ng	178900	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	46
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	35
5	2-Bromo-4-fluorophenol	190	C6H4BrFO	000496-69-5	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107601.D
Acq On : 23 Jul 2018 21:07
Operator : JU/SJ
Sample : J4106-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MARKET-ST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

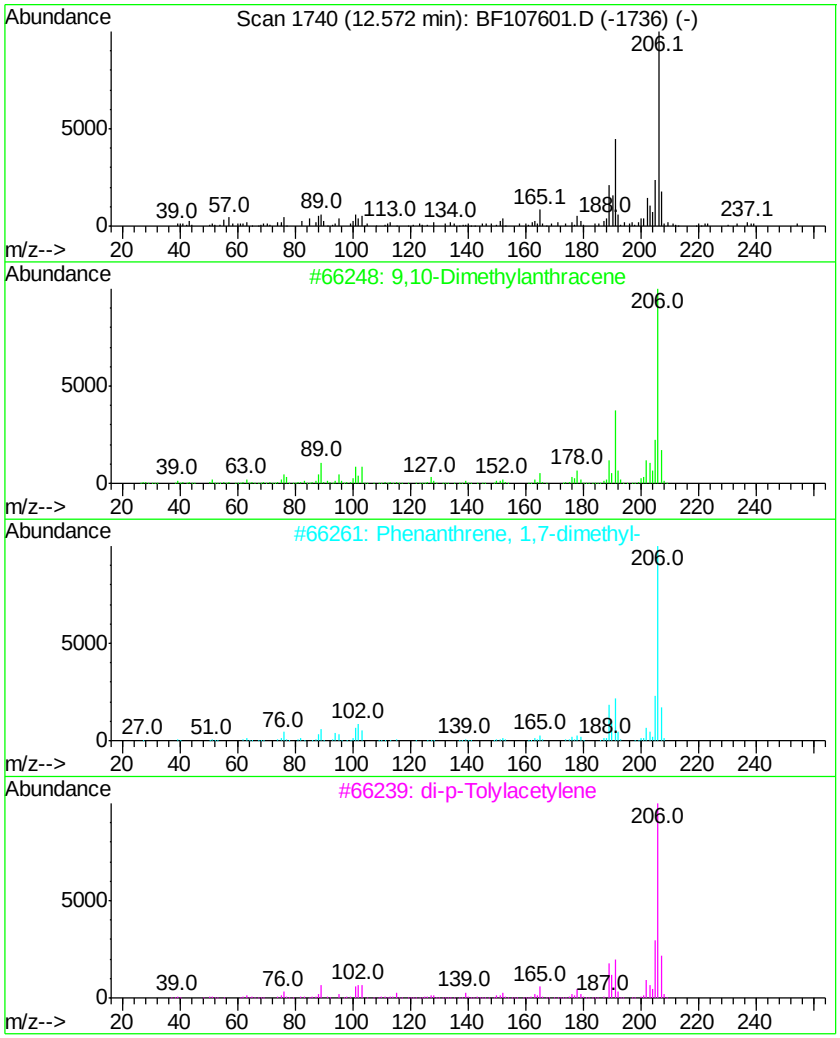
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

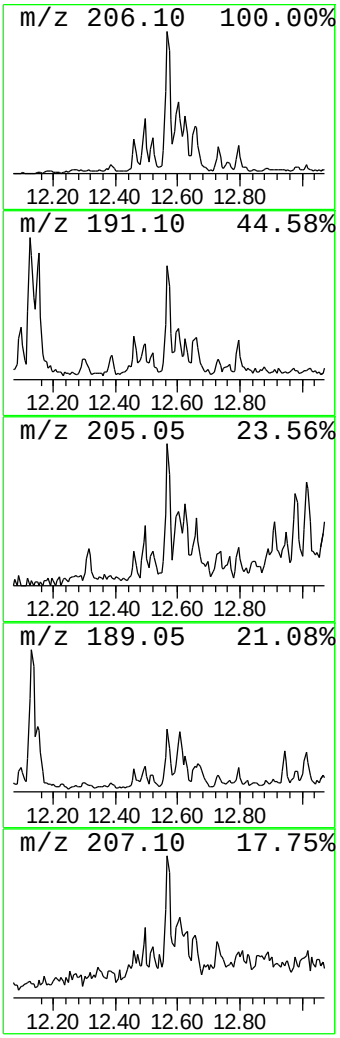
****

Peak Number 7 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	2.50 ng	191737	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107601.D
Acq On : 23 Jul 2018 21:07
Operator : JU/SJ
Sample : J4106-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MARKET-ST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

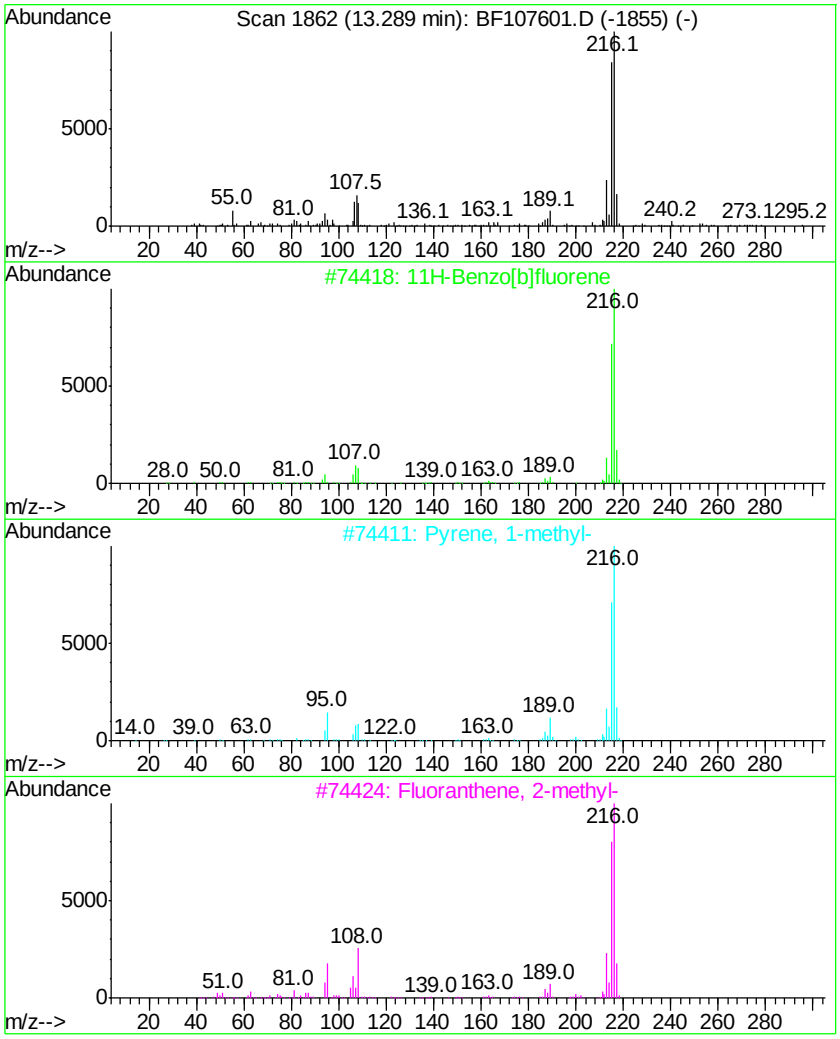
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

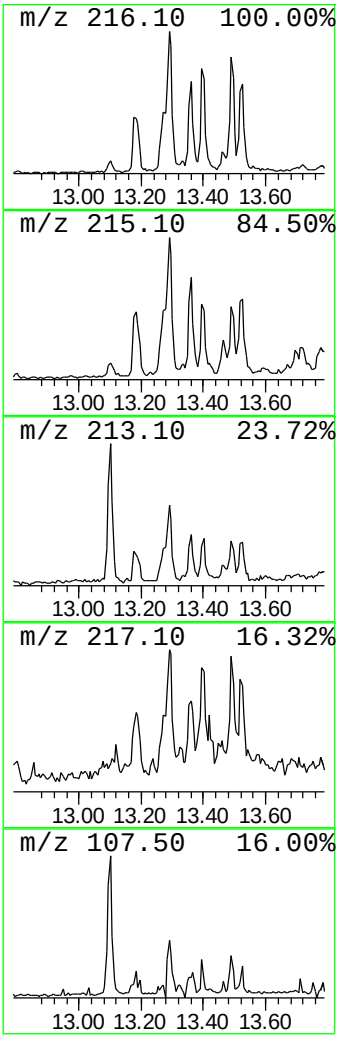
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	3.29 ng	286106	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072318\
Data File : BF107601.D
Acq On : 23 Jul 2018 21:07
Operator : JU/SJ
Sample : J4106-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MARKET-ST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

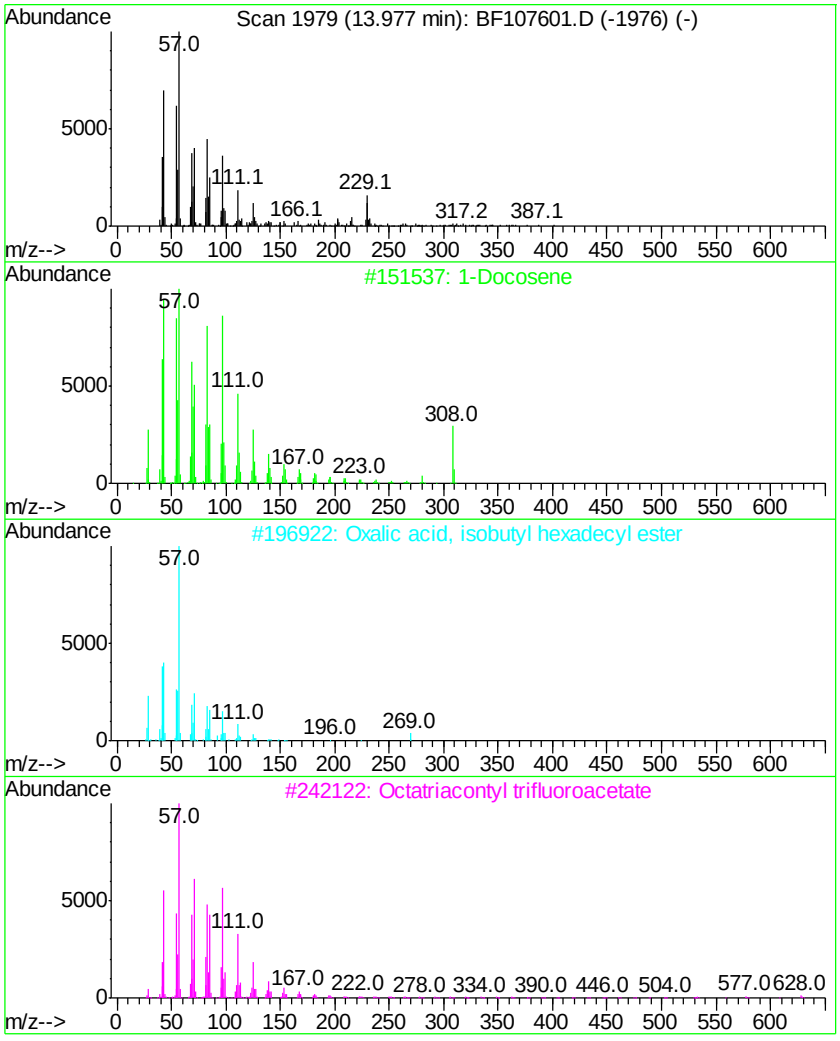
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

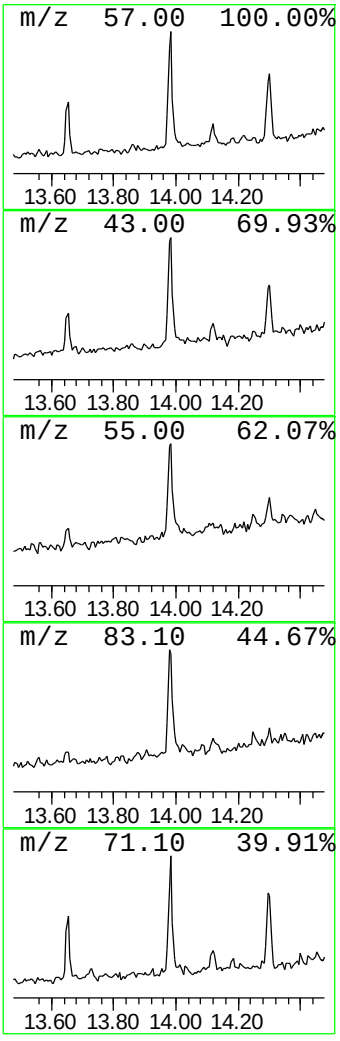
****

Peak Number 9 1-Docosene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	4.36 ng	379088	Chrysene-d12	14.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	83
2	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	81
3	Octatriacontyl trifluoroacetate	647	C40H77F3O2	1000351-88-7	81
4	Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1000351-81-4	81
5	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072318\
Data File : BF107601.D
Acq On : 23 Jul 2018 21:07
Operator : JU/SJ
Sample : J4106-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MARKET-ST

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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...	5.21	11.7	ng	772393	1	6.98	1325860	20.0
unknown6.75	6.75	69.3	ng	4590800	1	6.98	1325860	20.0
Anthracene, 2-met...	12.02	3.6	ng	276511	4	11.51	1535960	20.0
1H-Cyclopropa[l]p...	12.05	2.3	ng	177311	4	11.51	1535960	20.0
4H-Cyclopenta[def...	12.13	2.3	ng	178900	4	11.51	1535960	20.0
9,10-Dimethylanth...	12.57	2.5	ng	191737	4	11.51	1535960	20.0
11H-Benzo[b]fluorene	13.29	3.3	ng	286106	5	14.17	1737020	20.0
1-Docosene	13.98	4.4	ng	379088	5	14.17	1737020	20.0