LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107721.D
Acq On : 27 Jul 2018 00:58
Operator : JU/SJ
Sample : J4121-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(13-15)

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	5.195	482	486	514	rBV	363286	620838	15.12%	1.466%
2	5.595	551	554	586	rBV	1975537	3282727	79.97%	7.752%
3	6.595	720	724	744	rBV	2100886	3672250	89.46%	8.672%
4	6.736	744	748	772	rVB	2850771	3921736	95.54%	9.261%
5	6.960	783	786	808	rBV	691719	1133584	27.61%	2.677%
6	7.113	808	812	828	rVV	2309398	2862366	69.73%	6.759%
7	7.219	828	830	837	rVB3	36186	54014	1.32%	0.128%
8	7.525	878	882	906	rBV	1485997	2369727	57.73%	5.596%
9	8.242	1000	1004	1028	rBV	1254465	1693947	41.27%	4.000%
10	9.313	1181	1186	1202	rBV	3575799	4104963	100.00%	9.694%
11	9.707	1248	1253	1261	rBV	168697	178428	4.35%	0.421%
12	9.860	1275	1279	1284	rBV	72817	89631	2.18%	0.212%
13	10.001	1296	1303	1307	rBV	1603568	1647581	40.14%	3.891%
14	10.213	1333	1339	1342	rBV	57596	95660	2.33%	0.226%
15	10.407	1366	1372	1378	rBV3	37131	42877	1.04%	0.101%
16	10.554	1393	1397	1402	rVB	57140	77251	1.88%	0.182%
17	10.707	1417	1423	1427	rVB2	32921	41959	1.02%	0.099%
18	10.795	1434	1438	1451	rBV	2173241	2660926	64.82%	6.284%
19	10.883	1451	1453	1464	rVB3	68233	120728	2.94%	0.285%
20	11.101	1484	1490	1493	rBV5	32758	60745	1.48%	0.143%
21	11.330	1527	1529	1532	rBV2	48263	45161	1.10%	0.107%
22	11.395	1536	1540	1551	rVB	39583	75514	1.84%	0.178%
23	11.495	1553	1557	1560	rBV	1376841	1452921	35.39%	3.431%
24	11.571	1567	1570	1581	rVB	147904	208375	5.08%	0.492%
25	12.001	1639	1643	1646	rBV2	249293	284586	6.93%	0.672%
26	12.113	1658	1662	1669	rVB2	156170	210048	5.12%	0.496%
27	12.289	1689	1692	1696	rBV	38959	47223	1.15%	0.112%
28	12.548	1732	1736	1738	rBV3	85040	104076	2.54%	0.246%
29	12.571	1738	1740	1748	rVB4	63867	103517	2.52%	0.244%
30	12.713	1760	1764	1773	rBV	710310	783593	19.09%	1.850%
31	12.807	1778	1780	1785	rVB	61541	71171	1.73%	0.168%
32	12.942	1797	1803	1809	rBV	602390	760512	18.53%	1.796%
33	12.989	1809	1811	1817	rVB2	48260	59279	1.44%	0.140%
34	13.077	1822	1826	1836	rVV	2826090	2891424	70.44%	6.828%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107721.D
Acq On : 27 Jul 2018 00:58
Operator : JU/SJ
Sample : J4121-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(13-15)

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	13.154	1836	1839	1845	rVB3	58658	104847	2.55%	0.248%
36	13.271	1851	1859	1864	rBV2	151253	282548	6.88%	0.667%
37	13.336	1867	1870	1873	rVV	132024	140896	3.43%	0.333%
38	13.377	1873	1877	1884	rVB2	79169	122048	2.97%	0.288%
39	13.501	1895	1898	1903	rBV2	36141	54125	1.32%	0.128%
40	13.624	1916	1919	1922	rBV	63848	66518	1.62%	0.157%
41	13.895	1962	1965	1967	rBV	45117	43909	1.07%	0.104%
42	13.954	1971	1975	1980	rVV3	440522	492826	12.01%	1.164%
43	14.142	2002	2007	2010	rBV2	1305193	1673770	40.77%	3.953%
44	14.171	2010	2012	2019	rVB	363610	419754	10.23%	0.991%
45	14.271	2026	2029	2031	rBV	83131	76117	1.85%	0.180%
46	14.530	2071	2073	2077	rVB2	70141	66498	1.62%	0.157%
47	14.895	2133	2135	2139	rVB	77454	72493	1.77%	0.171%
48	15.218	2185	2190	2193	rBV	269813	458313	11.16%	1.082%
49	15.248	2193	2195	2201	rVB2	201354	227807	5.55%	0.538%
50	15.336	2206	2210	2216	rVV	75285	112013	2.73%	0.265%
51	15.542	2241	2245	2251	rBV	131809	199806	4.87%	0.472%
52	15.606	2252	2256	2261	rVV	251957	405575	9.88%	0.958%
53	15.677	2262	2268	2283	rVB	809319	1497614	36.48%	3.537%

Sum of corrected areas: 42346815

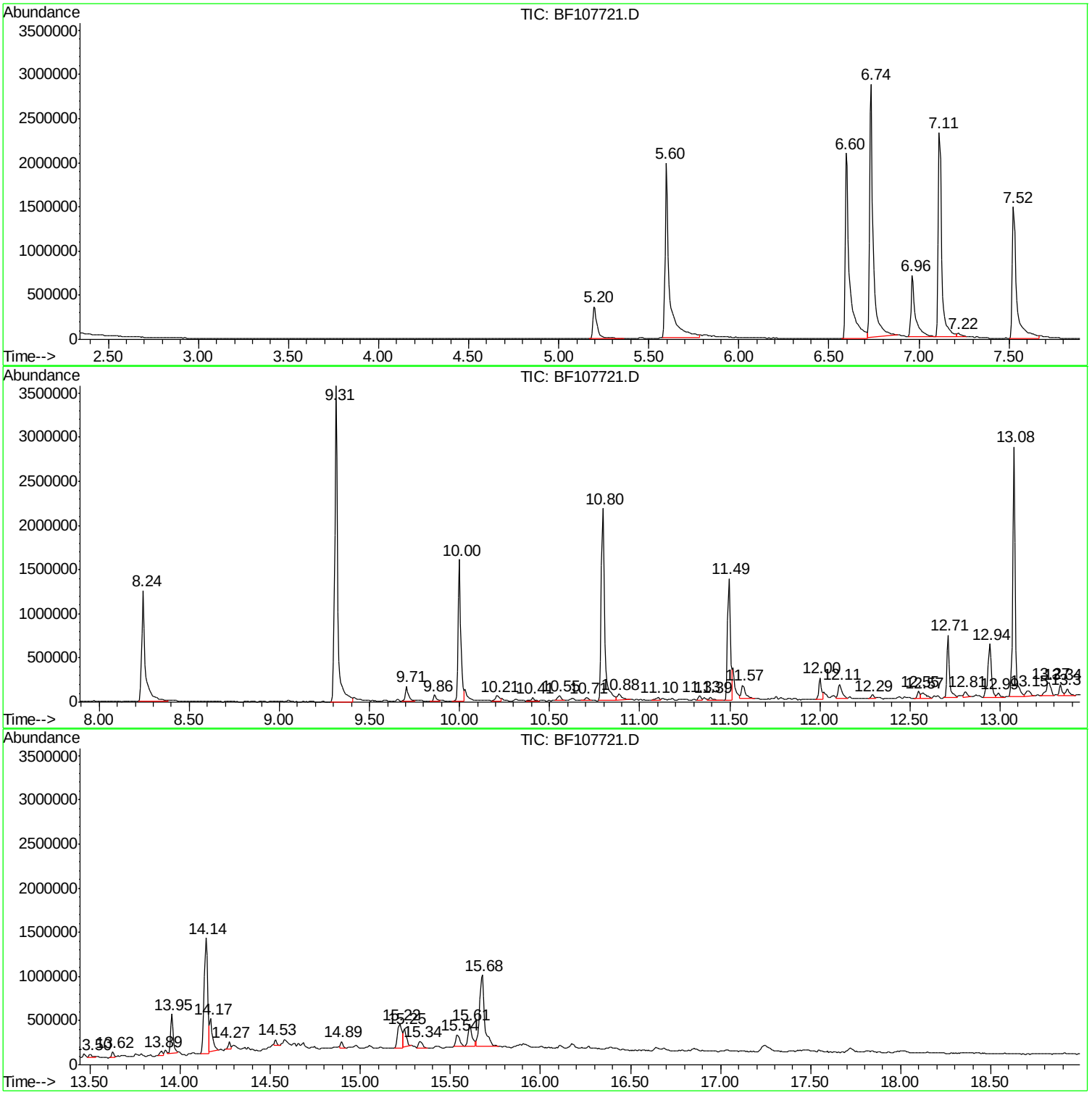
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107721.D
Acq On : 27 Jul 2018 00:58
Operator : JU/SJ
Sample : J4121-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-9(13-15)

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\BF072618\
Data File : BF107721.D
Acq On : 27 Jul 2018 00:58
Operator : JU/SJ
Sample : J4121-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(13-15)

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

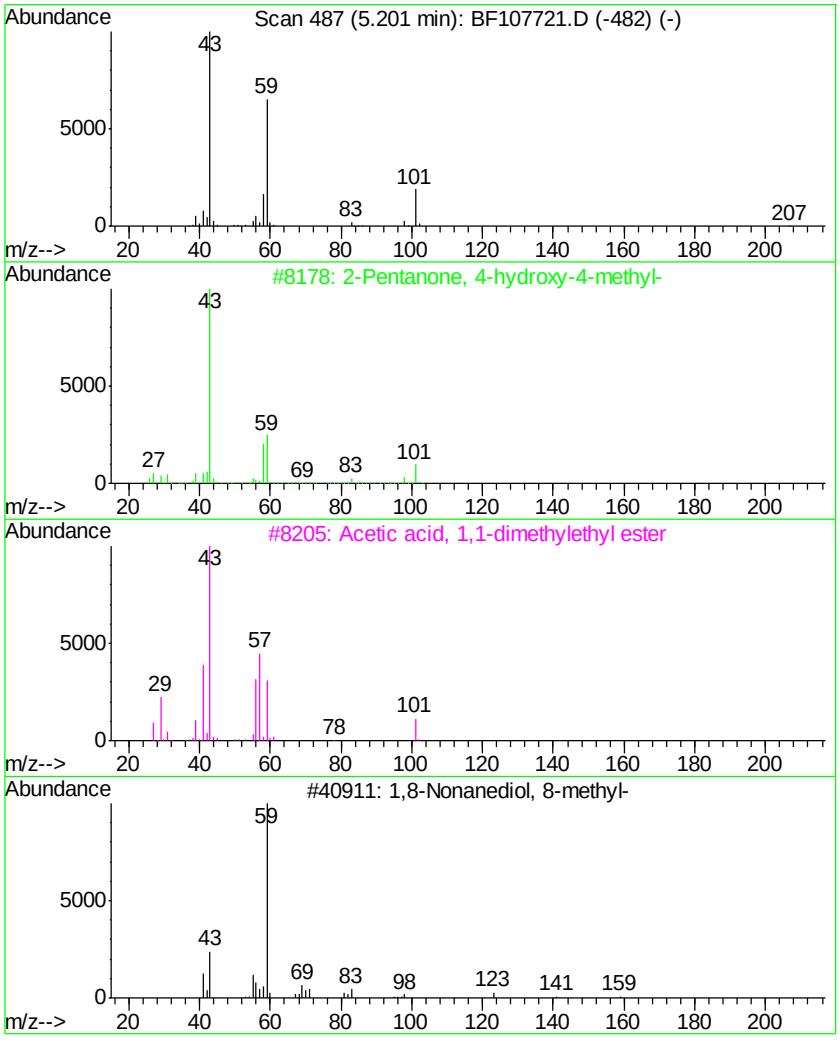
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

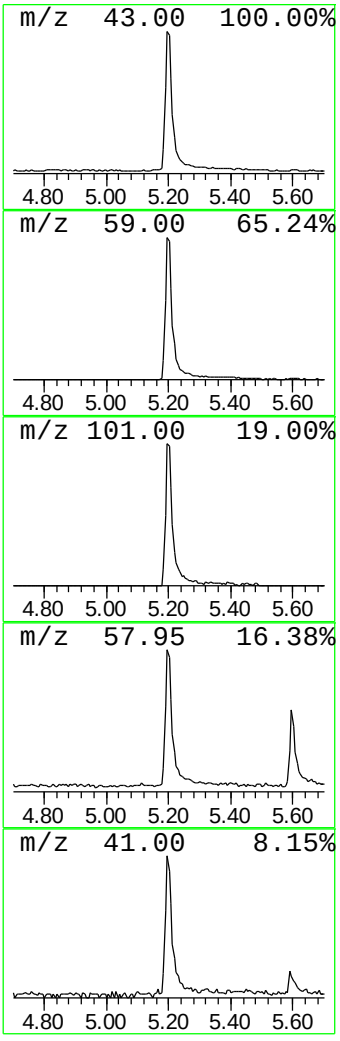
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	10.95 ng	620838	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	25
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107721.D
Acq On : 27 Jul 2018 00:58
Operator : JU/SJ
Sample : J4121-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(13-15)

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

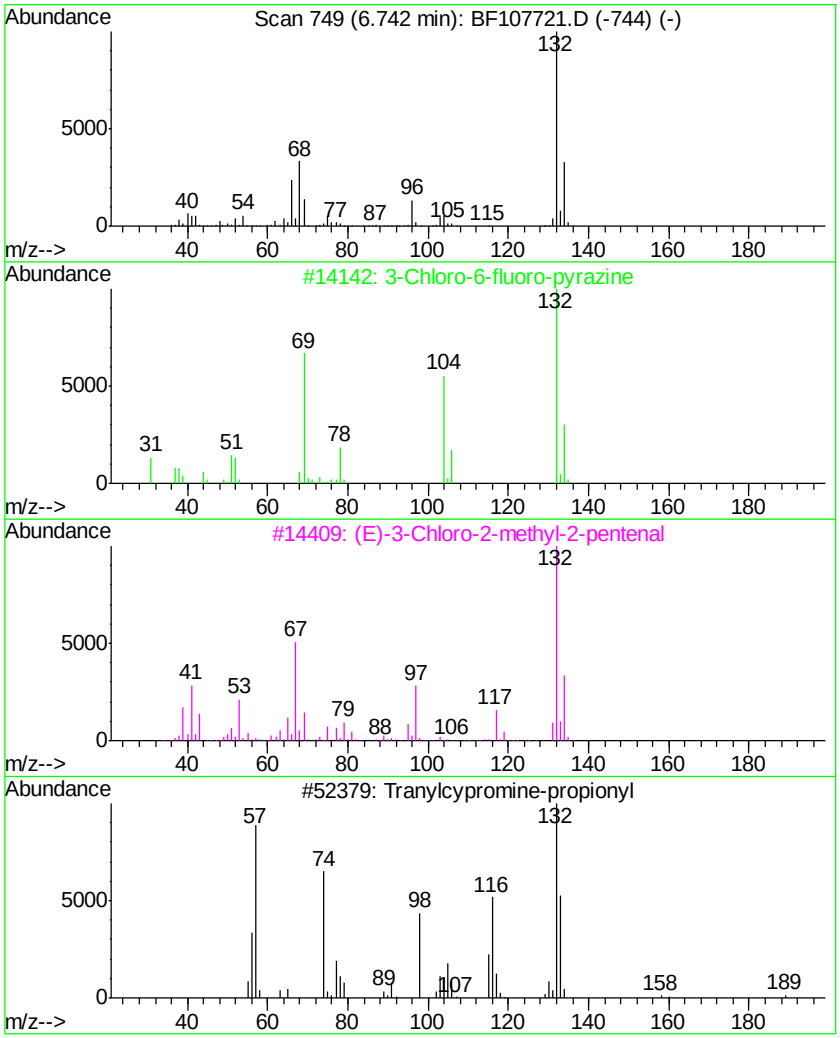
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

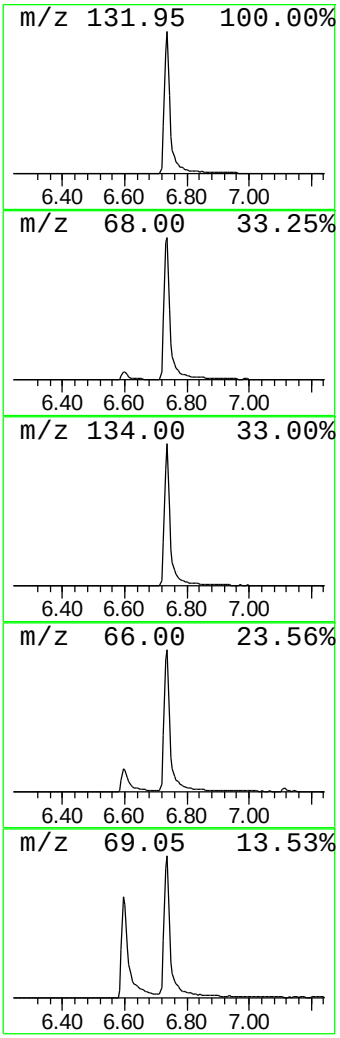
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	69.19 ng	3921740	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107721.D
Acq On : 27 Jul 2018 00:58
Operator : JU/SJ
Sample : J4121-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(13-15)

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

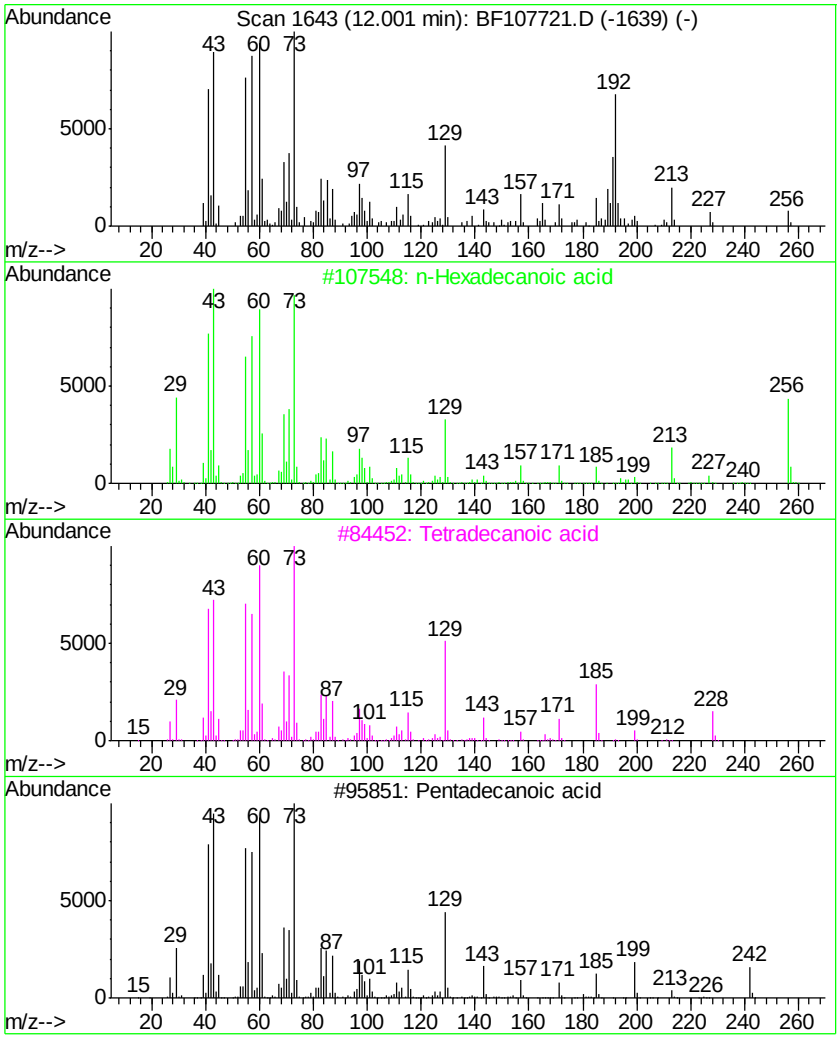
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

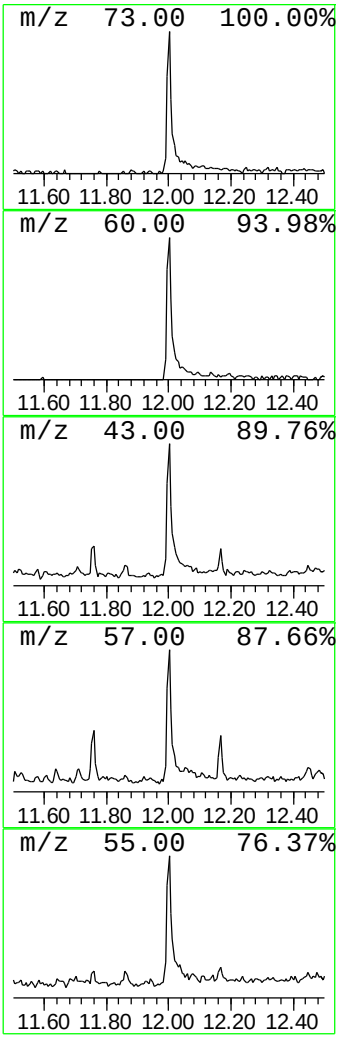
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.92 ng	284586	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Tridecanoic acid	214	C13H26O2	000638-53-9	60
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	56





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107721.D
Acq On : 27 Jul 2018 00:58
Operator : JU/SJ
Sample : J4121-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(13-15)

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

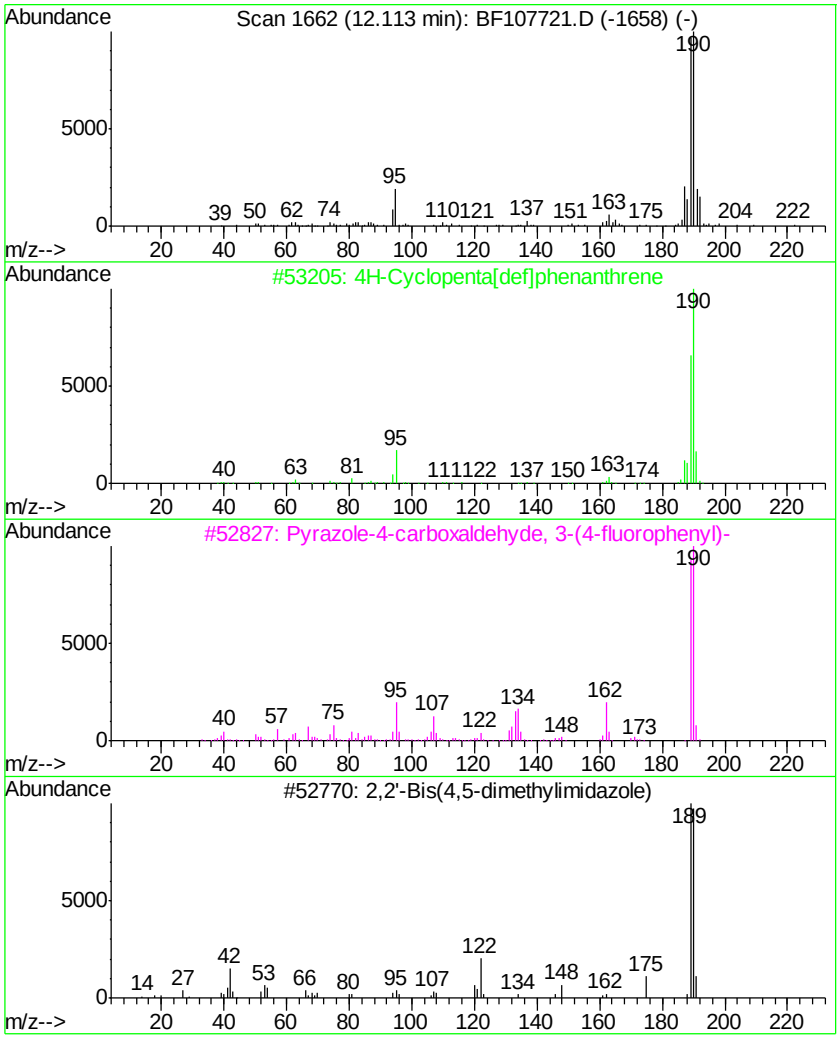
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

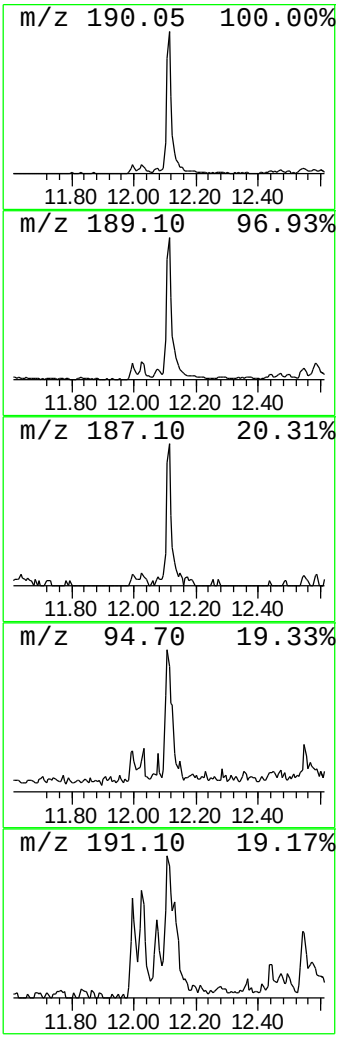
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	2.89 ng	210048	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	38
5	Benzo[1,2-b:5,4-b']dithiophene	190	C10H6S2	000267-61-8	38





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Operator : JU/SJ
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Instrument : BNA_F
ClientSampleId : SB-9(13-15)

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

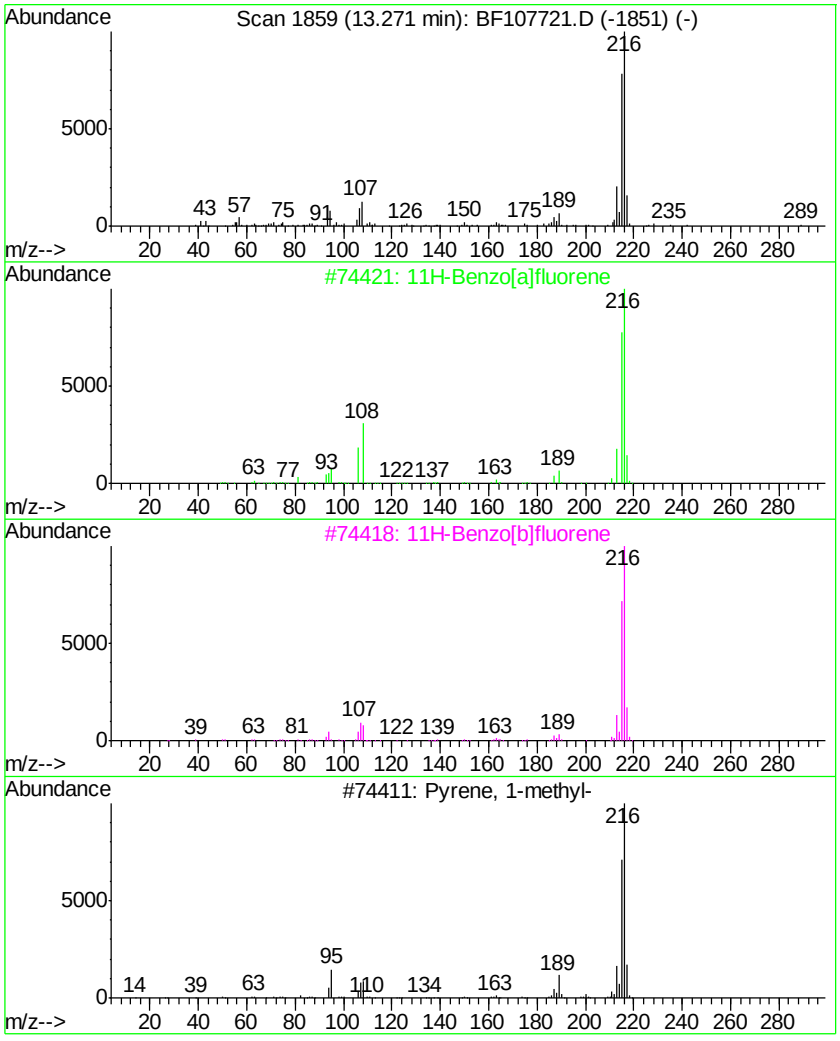
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

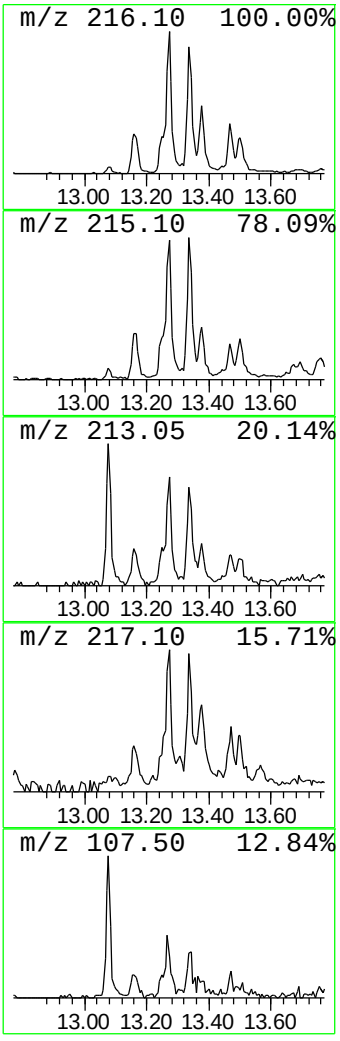
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	3.38 ng	282548	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





Library Search Compound Report

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Data File : BF107721.D
Acq On : 27 Jul 2018 00:58
Operator : JU/SJ
Sample : J4121-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(13-15)

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

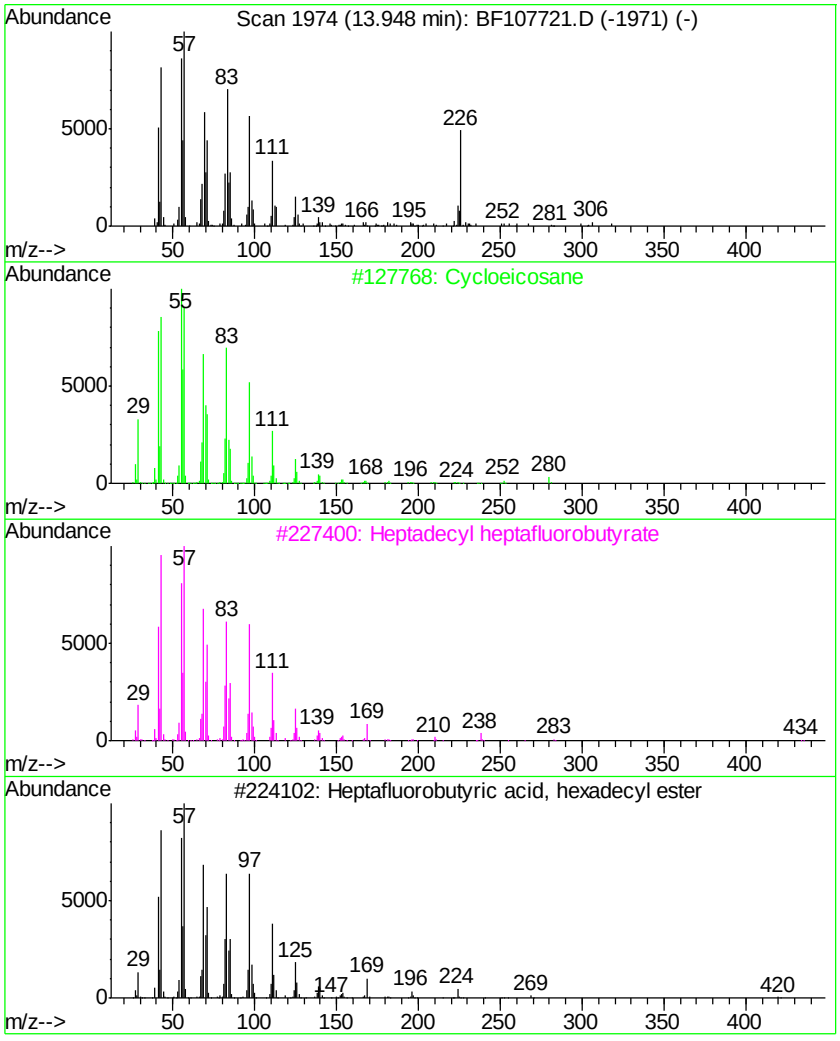
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

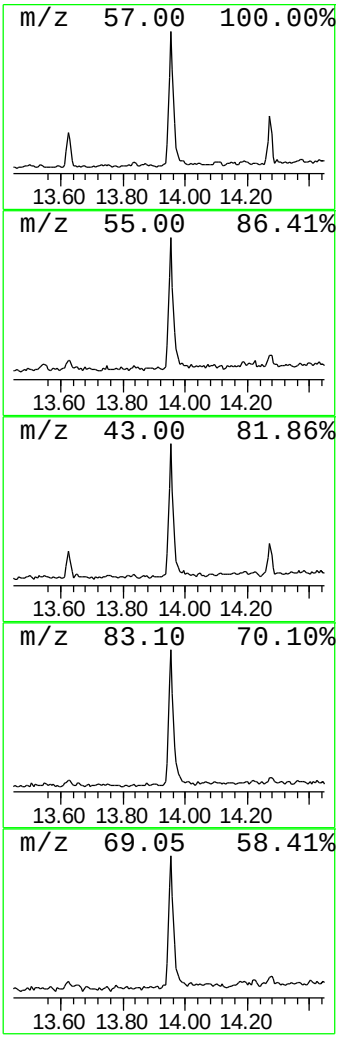
****

Peak Number 7 Cycloeicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	5.89 ng	492826	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	97
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
3	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	93
4	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	91
5	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107721.D
Acq On : 27 Jul 2018 00:58
Operator : JU/SJ
Sample : J4121-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(13-15)

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

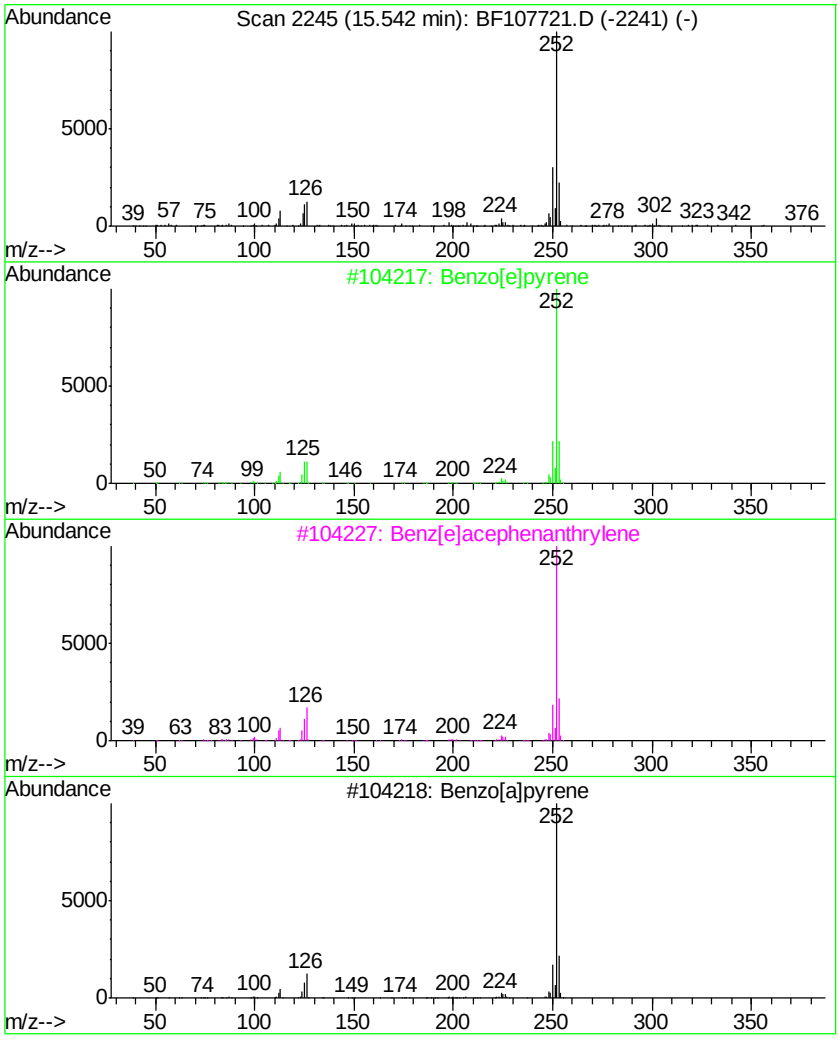
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

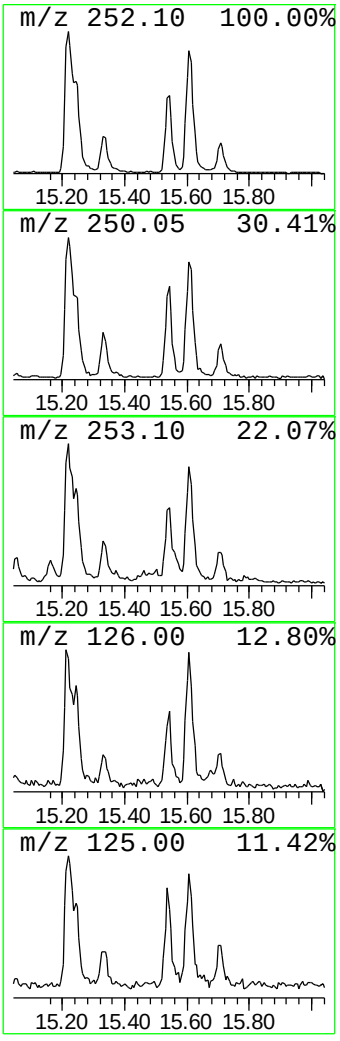
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	2.67 ng	199806	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
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	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107721.D
Acq On : 27 Jul 2018 00:58
Operator : JU/SJ
Sample : J4121-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(13-15)

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...	5.20	10.9	ng	620838	1	6.96	1133580	20.0
unknown6.74	6.74	69.2	ng	3921740	1	6.96	1133580	20.0
n-Hexadecanoic acid	12.00	3.9	ng	284586	4	11.49	1452920	20.0
4H-Cyclopenta[def...	12.11	2.9	ng	210048	4	11.49	1452920	20.0
11H-Benzo[a]fluorene	13.27	3.4	ng	282548	5	14.14	1673770	20.0
Cycloeicosane	13.95	5.9	ng	492826	5	14.14	1673770	20.0
Benzo[e]pyrene	15.54	2.7	ng	199806	6	15.68	1497610	20.0