LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103384.D
Acq On : 2 Mar 2018 23:41
Operator : SJ/JU
Sample : J1724-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-6

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	2.134	3	8	16	rBV	236684	306035	8.11%	0.892%
2	5.116	511	515	529	rVB	114621	169088	4.48%	0.493%
3	5.504	577	581	601	rVB	3315719	3654609	96.87%	10.648%
4	6.516	749	753	772	rBV	3056474	3772747	100.00%	10.992%
5	6.651	772	776	779	rVV	3623181	3474983	92.11%	10.124%
6	6.698	781	784	788	rVB3	38508	39996	1.06%	0.117%
7	6.875	811	814	820	rBV	1052289	938498	24.88%	2.734%
8	7.033	837	841	850	rBV	2932748	2721825	72.14%	7.930%
9	7.445	906	911	922	rBV	2384856	2407585	63.82%	7.015%
10	8.163	1029	1033	1044	rBV	1213750	1267831	33.60%	3.694%
11	8.875	1151	1154	1161	rBV	43127	54642	1.45%	0.159%
12	9.233	1211	1215	1224	rBV	3164551	2987208	79.18%	8.703%
13	9.304	1224	1227	1230	rVV	96057	94657	2.51%	0.276%
14	9.339	1230	1233	1237	rVV	35183	38538	1.02%	0.112%
15	9.627	1276	1282	1289	rVB	226037	278460	7.38%	0.811%
16	9.780	1304	1308	1313	rBV	64794	76879	2.04%	0.224%
17	9.833	1313	1317	1320	rVV	167406	144071	3.82%	0.420%
18	9.916	1328	1331	1335	rBV2	1019493	987486	26.17%	2.877%
19	9.951	1335	1337	1340	rVB	66972	61614	1.63%	0.180%
20	10.122	1363	1366	1369	rVV2	56189	68875	1.83%	0.201%
21	10.157	1369	1372	1376	rVB3	53817	55964	1.48%	0.163%
22	10.233	1382	1385	1388	rBV3	31788	42507	1.13%	0.124%
23	10.333	1395	1402	1405	rBV	192627	196031	5.20%	0.571%
24	10.469	1422	1425	1432	rVB2	50132	60499	1.60%	0.176%
25	10.551	1434	1439	1441	rBV2	61220	73383	1.95%	0.214%
26	10.716	1463	1467	1479	rBV	1199605	1348494	35.74%	3.929%
27	10.804	1479	1482	1492	rVB	127566	200694	5.32%	0.585%
28	11.016	1513	1518	1522	rBV7	27990	57941	1.54%	0.169%
29	11.257	1556	1559	1562	rBV	77787	76874	2.04%	0.224%
30	11.410	1582	1585	1587	rBV	870593	777934	20.62%	2.267%
31	11.433	1587	1589	1596	rVV	485312	445816	11.82%	1.299%
32	11.492	1596	1599	1603	rVV	107913	109817	2.91%	0.320%
33	11.651	1621	1626	1629	rBV	52047	82022	2.17%	0.239%
34	11.921	1668	1672	1674	rBV2	174114	194264	5.15%	0.566%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103384.D
Acq On : 2 Mar 2018 23:41
Operator : SJ/JU
Sample : J1724-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-6

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	11.945	1674	1676	1681	rVB2	98030	92571	2.45%	0.270%
36	11.992	1681	1684	1687	rBV	44166	39707	1.05%	0.116%
37	12.027	1687	1690	1693	rBV2	126070	143842	3.81%	0.419%
38	12.092	1698	1701	1704	rBV2	37132	42910	1.14%	0.125%
39	12.210	1718	1721	1725	rBV	54882	54889	1.45%	0.160%
40	12.245	1725	1727	1732	rVB3	51461	49308	1.31%	0.144%
41	12.463	1761	1764	1769	rBV2	80484	121638	3.22%	0.354%
42	12.563	1777	1781	1783	rBV2	54988	75001	1.99%	0.219%
43	12.633	1789	1793	1796	rBV	875404	789696	20.93%	2.301%
44	12.863	1825	1832	1838	rBV	912878	1041039	27.59%	3.033%
45	12.910	1838	1840	1847	rVB2	48006	55037	1.46%	0.160%
46	12.998	1850	1855	1858	rVV	1827067	1761467	46.69%	5.132%
47	13.027	1858	1860	1864	rVB	42101	46775	1.24%	0.136%
48	13.257	1897	1899	1901	rBV2	68244	51141	1.36%	0.149%
49	13.386	1919	1921	1924	rBV	52816	56293	1.49%	0.164%
50	13.704	1973	1975	1979	rBV	68050	70744	1.88%	0.206%
51	13.874	2001	2004	2009	rBV5	359794	450106	11.93%	1.311%
52	14.015	2026	2028	2030	rBV	87823	76615	2.03%	0.223%
53	14.068	2032	2037	2039	rVV2	747568	1058801	28.06%	3.085%
54	14.092	2039	2041	2048	rVB	404708	360672	9.56%	1.051%
55	15.133	2215	2218	2221	rBV	239678	313381	8.31%	0.913%
56	15.580	2291	2294	2298	rVB	269849	303062	8.03%	0.883%

Sum of corrected areas: 34322562

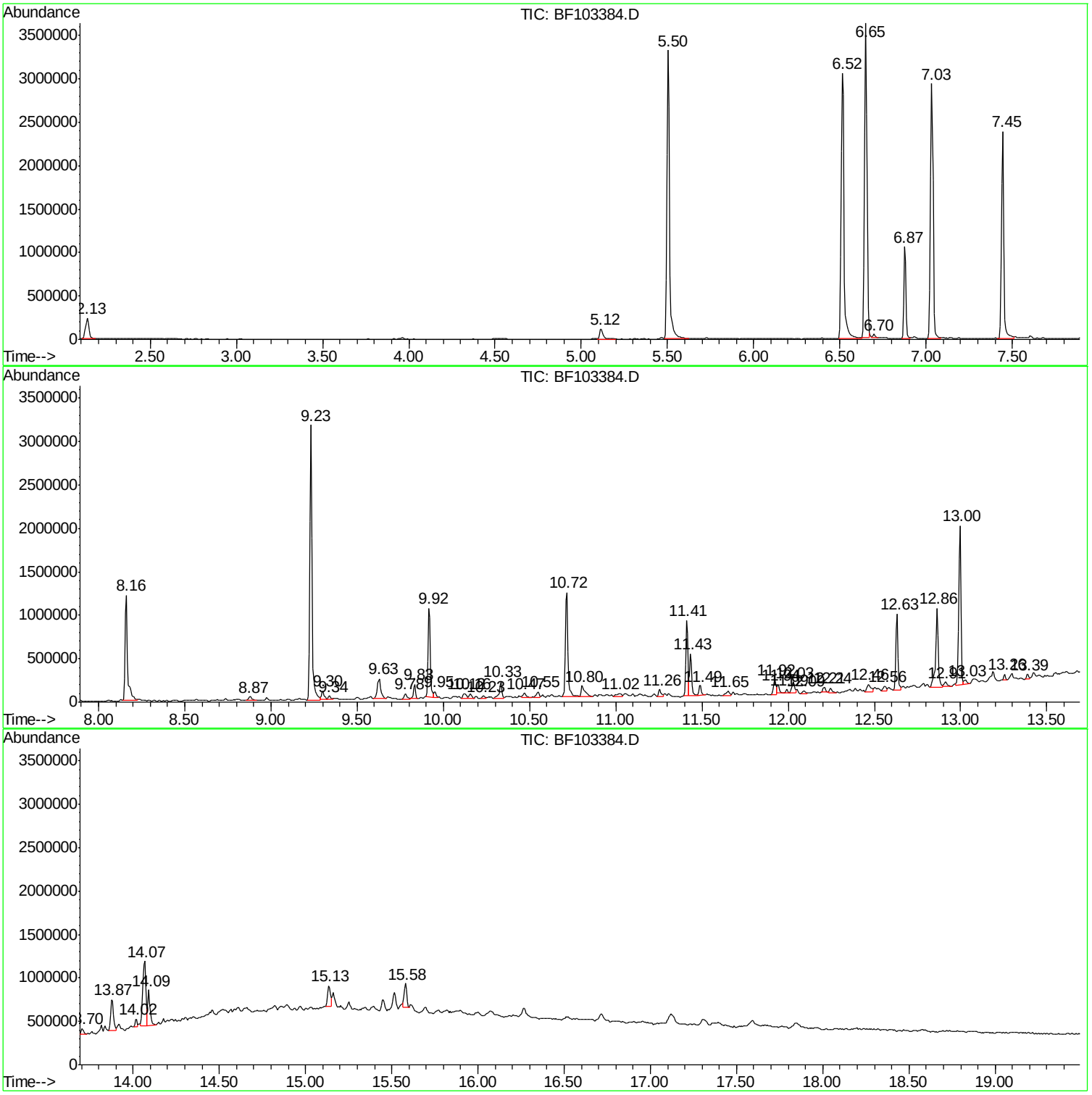
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103384.D
Acq On : 2 Mar 2018 23:41
Operator : SJ/JU
Sample : J1724-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-6

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



Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103384.D
Acq On : 2 Mar 2018 23:41
Operator : SJ/JU
Sample : J1724-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-6

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

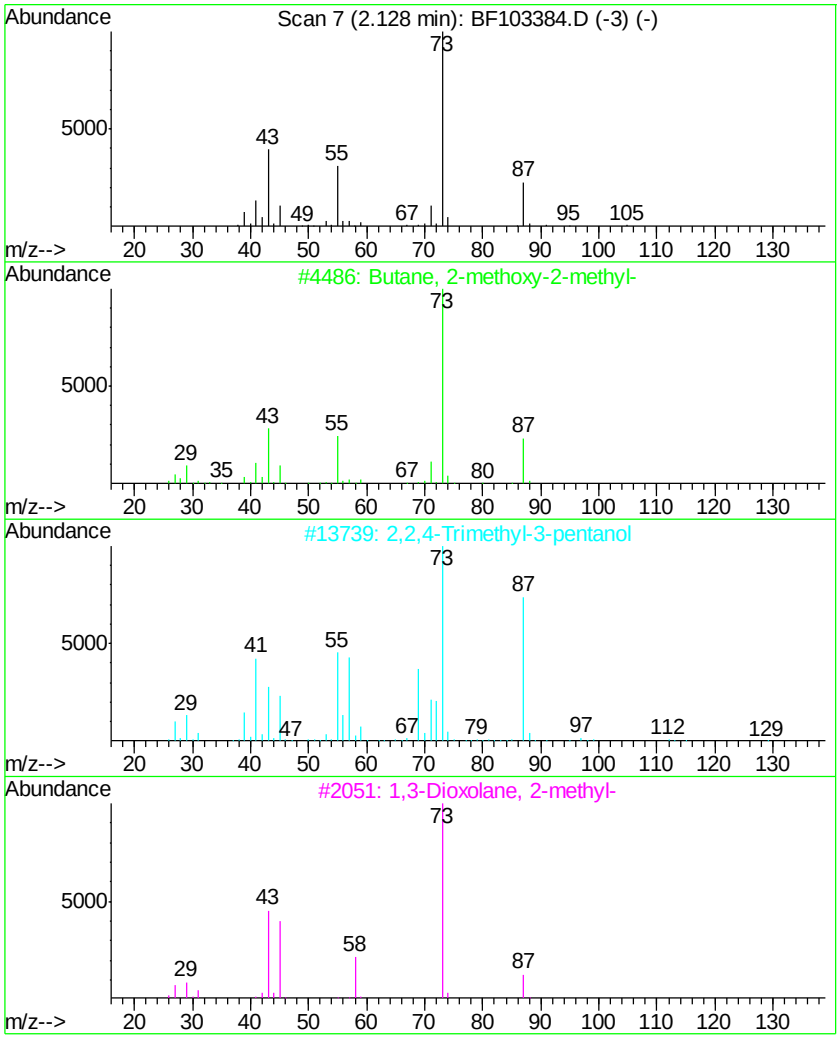
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

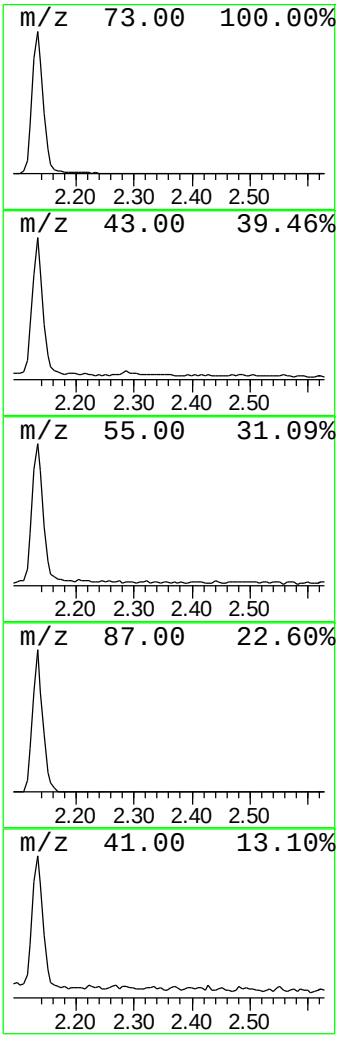
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	6.52 ng	306035	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	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	16





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103384.D
Acq On : 2 Mar 2018 23:41
Operator : SJ/JU
Sample : J1724-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-6

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

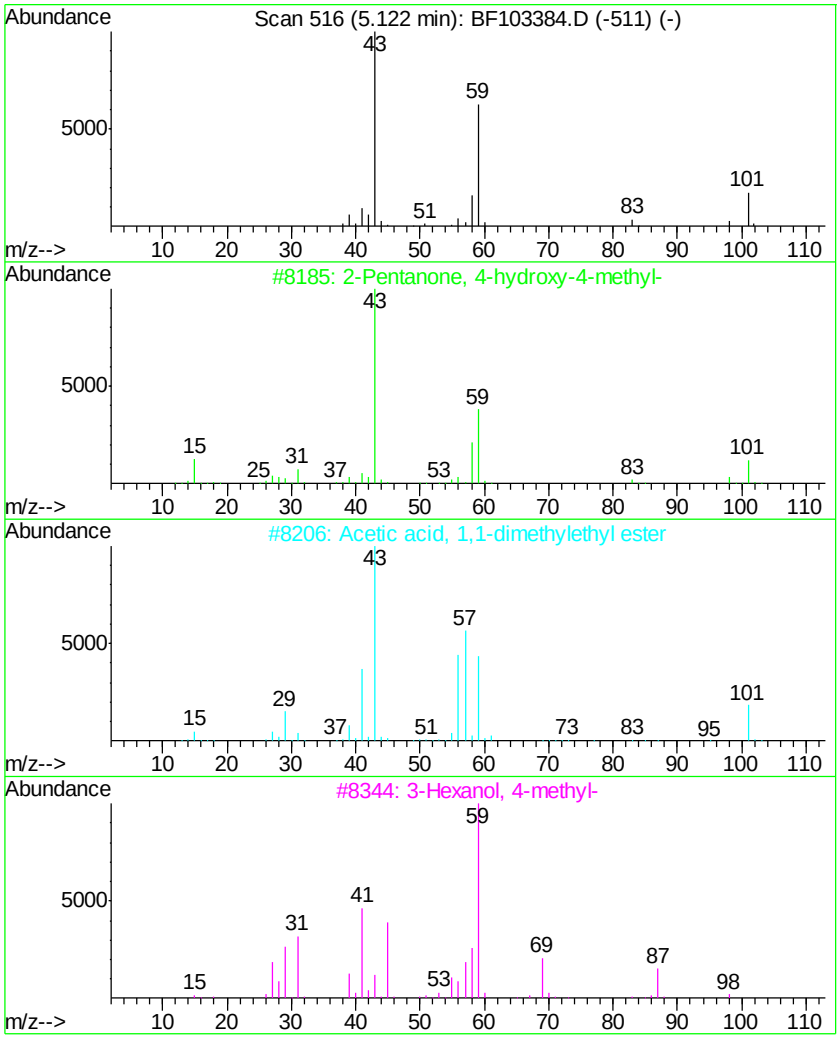
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

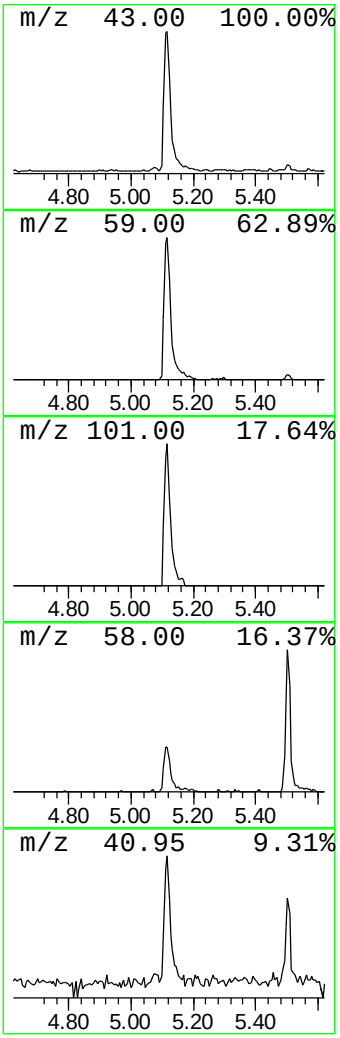
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	3.60 ng	169088	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	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	9





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103384.D
Acq On : 2 Mar 2018 23:41
Operator : SJ/JU
Sample : J1724-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-6

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

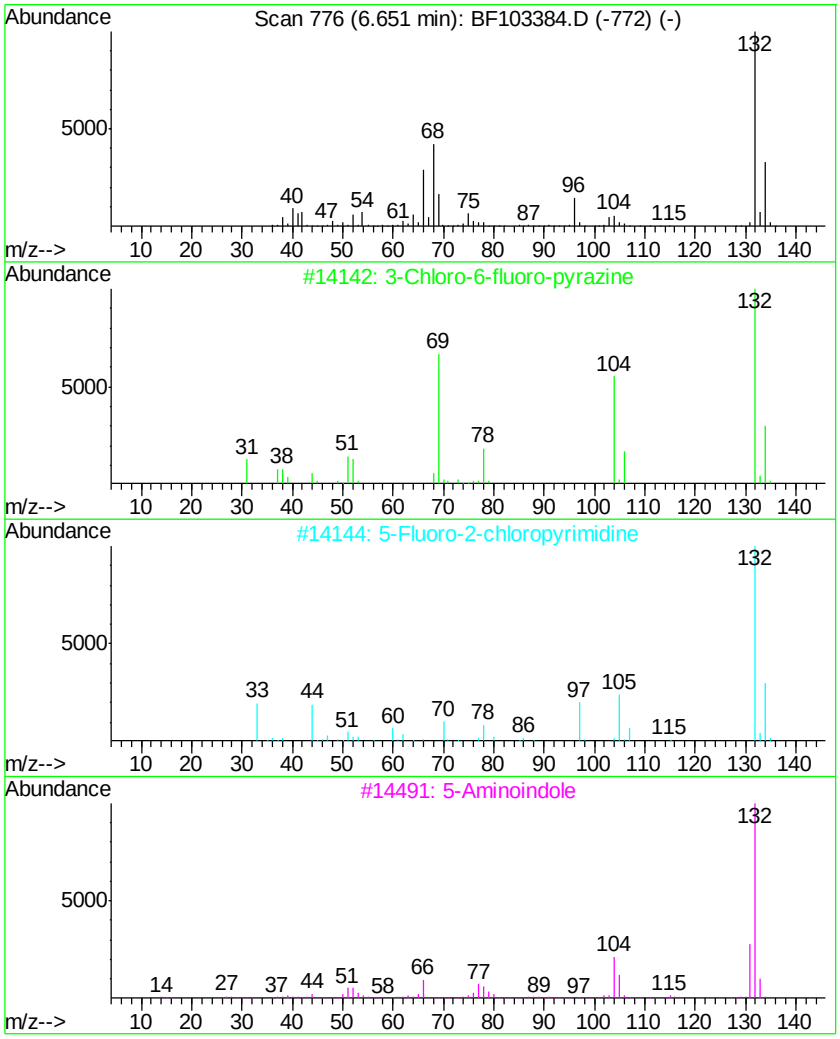
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

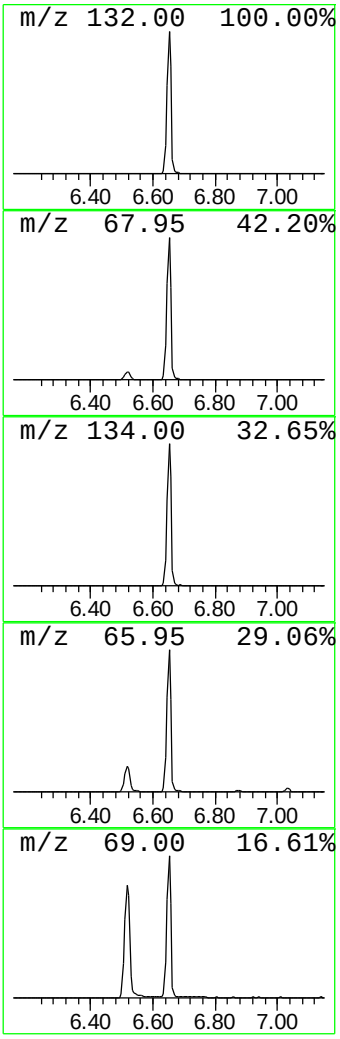
****

Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	74.05 ng	3474980	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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103384.D
Acq On : 2 Mar 2018 23:41
Operator : SJ/JU
Sample : J1724-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-6

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

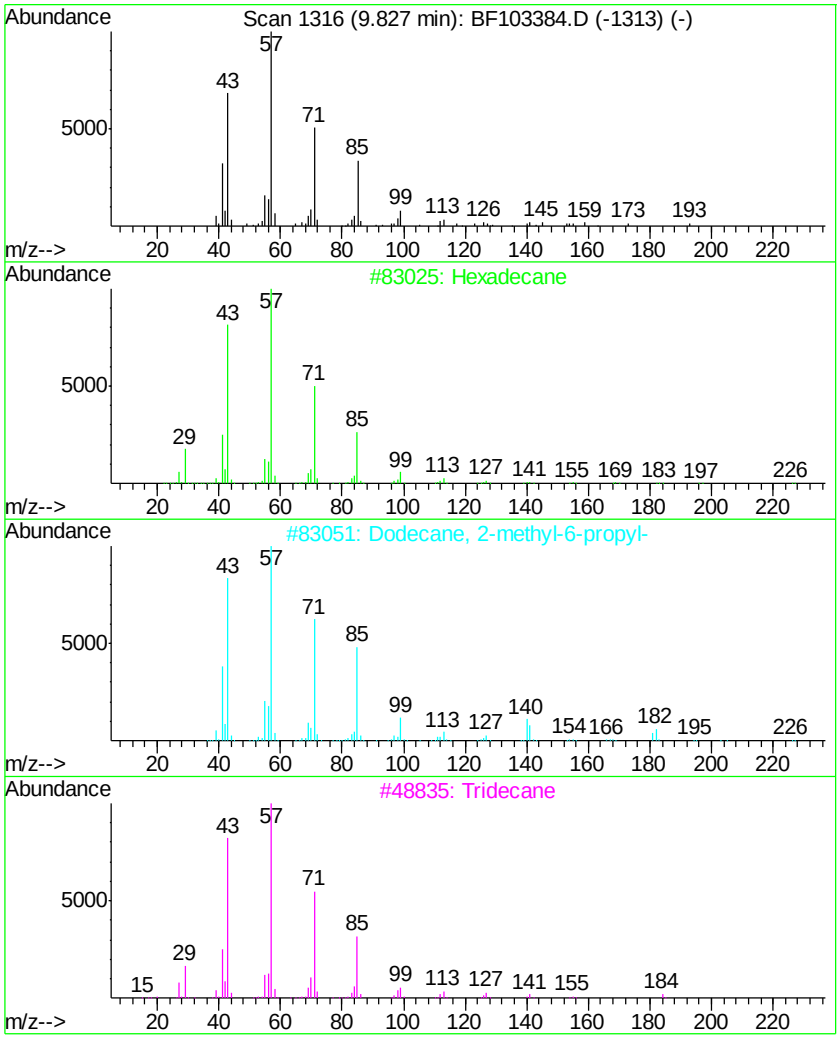
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

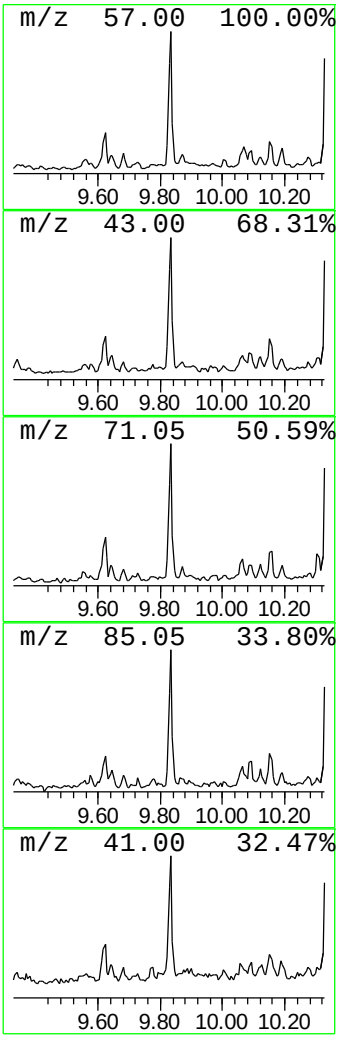
****

Peak Number 4 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	2.92 ng	144071	Acenaphthene-d10	9.92

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	Tridecane	184	C13H28	000629-50-5	86
4	Octadecane	254	C18H38	000593-45-3	86
5	Pentadecane	212	C15H32	000629-62-9	83





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103384.D
Acq On : 2 Mar 2018 23:41
Operator : SJ/JU
Sample : J1724-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-6

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

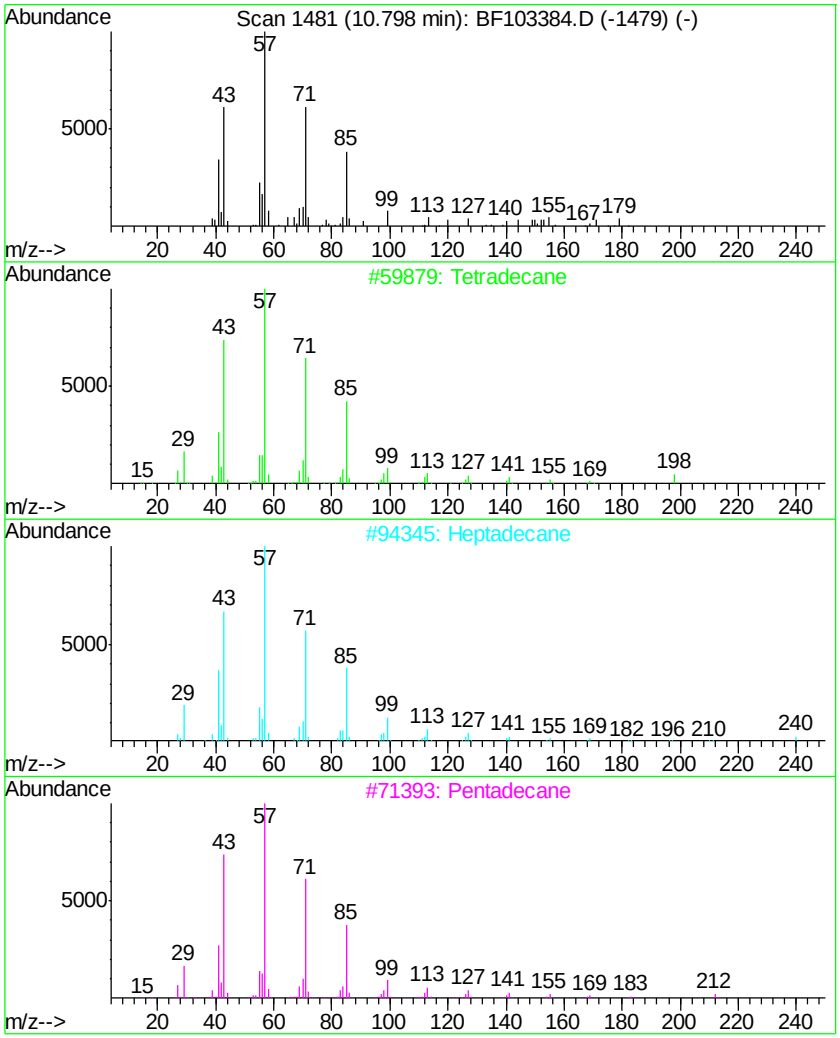
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

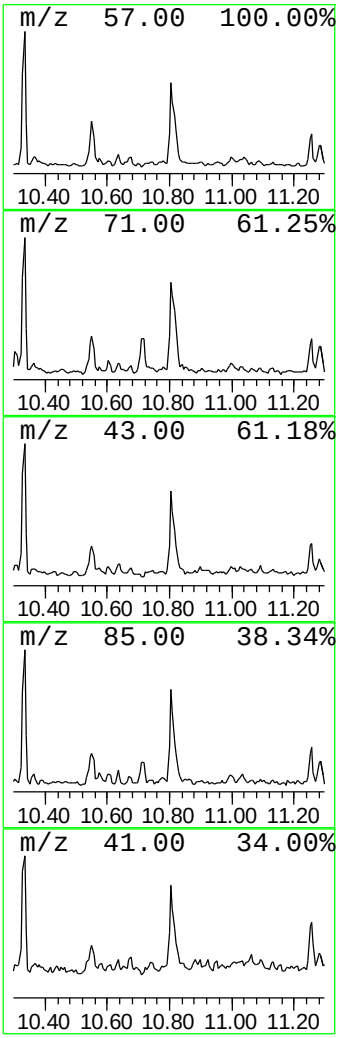
****

Peak Number 6 Tetradecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	5.16 ng	200694	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Heptadecane	240	C17H36	000629-78-7	83
3	Pentadecane	212	C15H32	000629-62-9	83
4	Eicosane	282	C20H42	000112-95-8	80
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103384.D
Acq On : 2 Mar 2018 23:41
Operator : SJ/JU
Sample : J1724-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-6

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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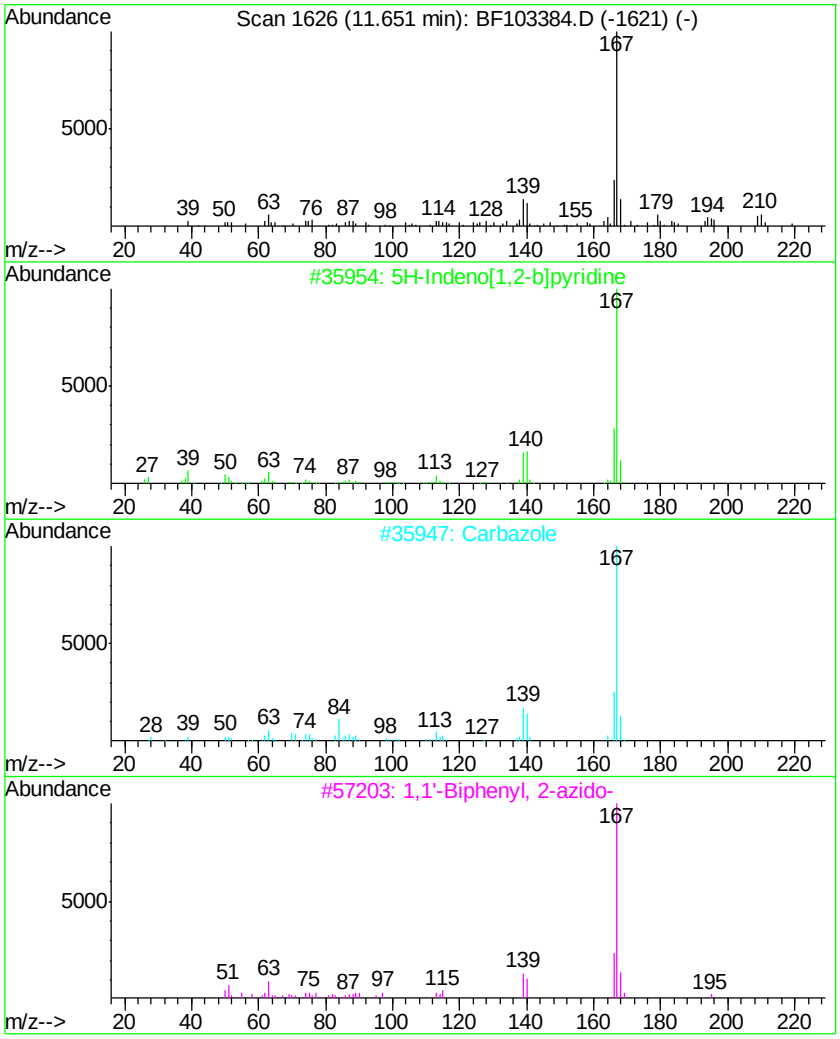
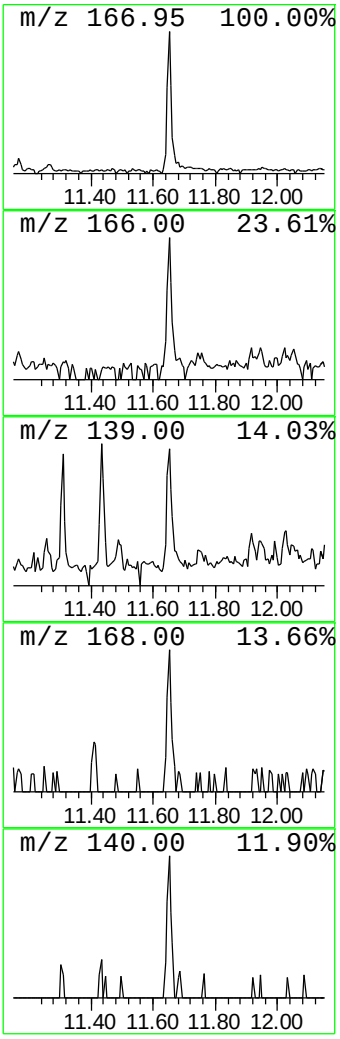
Peak Number 7 5H-Indeno[1,2-b]pyridine Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	2.11 ng	82022	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	87
2	Carbazole	167	C12H9N	000086-74-8	87
3	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	83
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	83
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	64





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103384.D
Acq On : 2 Mar 2018 23:41
Operator : SJ/JU
Sample : J1724-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-6

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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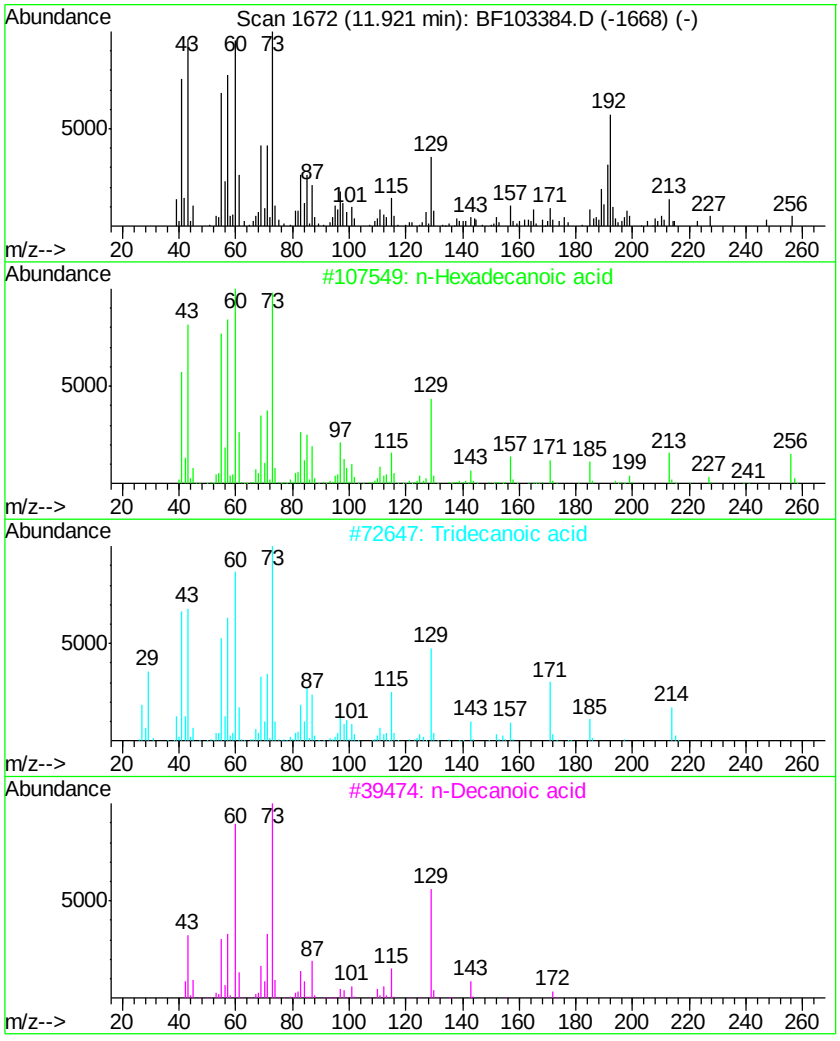
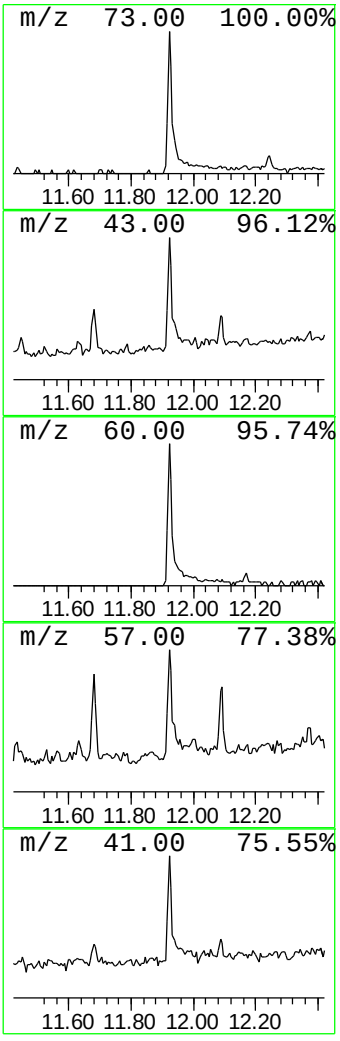
Peak Number 8 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	4.99 ng	194264	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	n-Decanoic acid	172	C10H20O2	000334-48-5	70
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	62
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	62





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103384.D
Acq On : 2 Mar 2018 23:41
Operator : SJ/JU
Sample : J1724-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-6

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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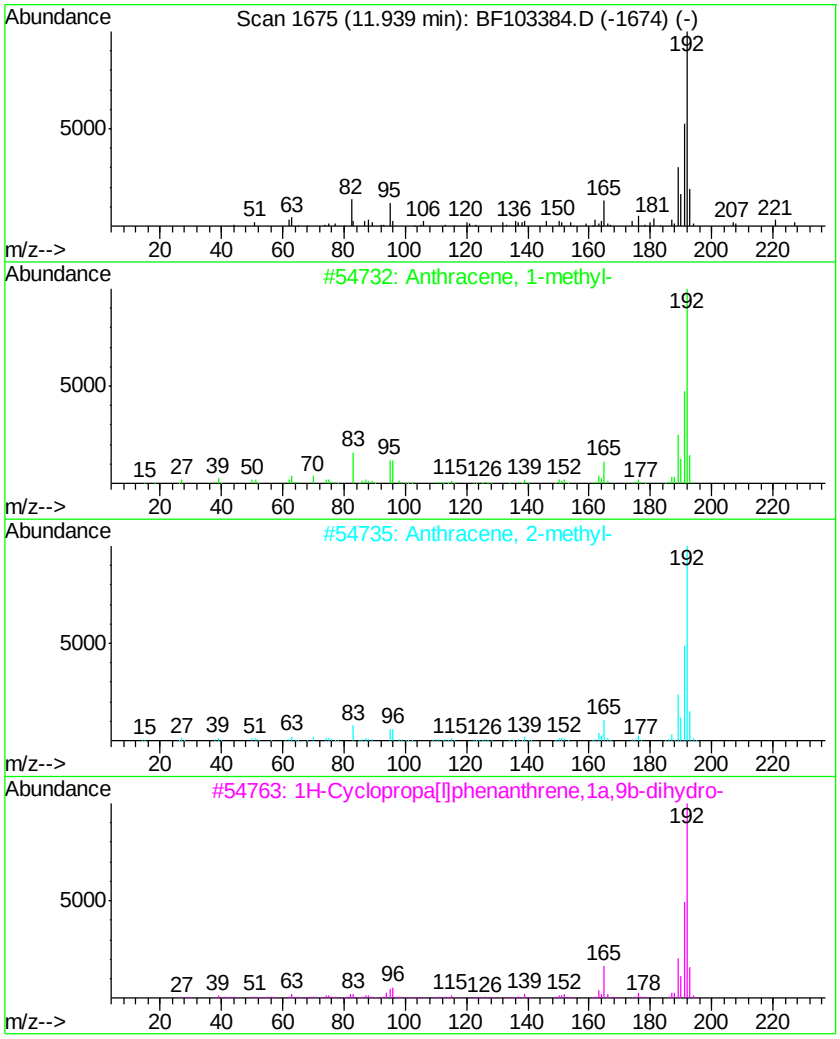
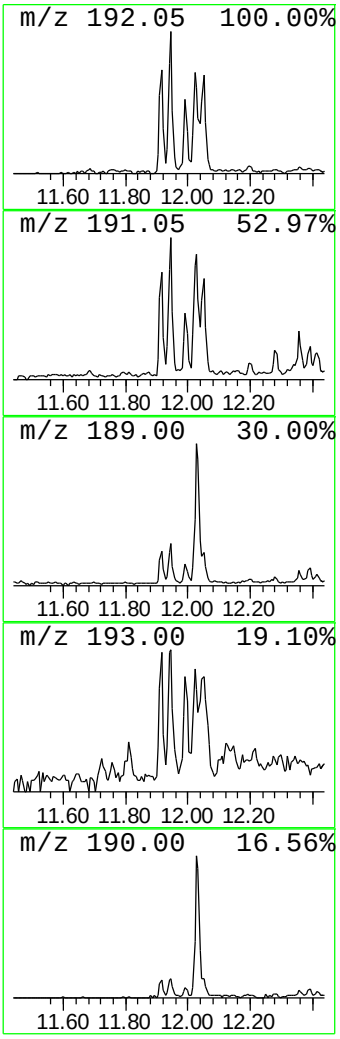
Peak Number 9 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	2.38 ng	92571	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81





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Data File : BF103384.D
Acq On : 2 Mar 2018 23:41
Operator : SJ/JU
Sample : J1724-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-6

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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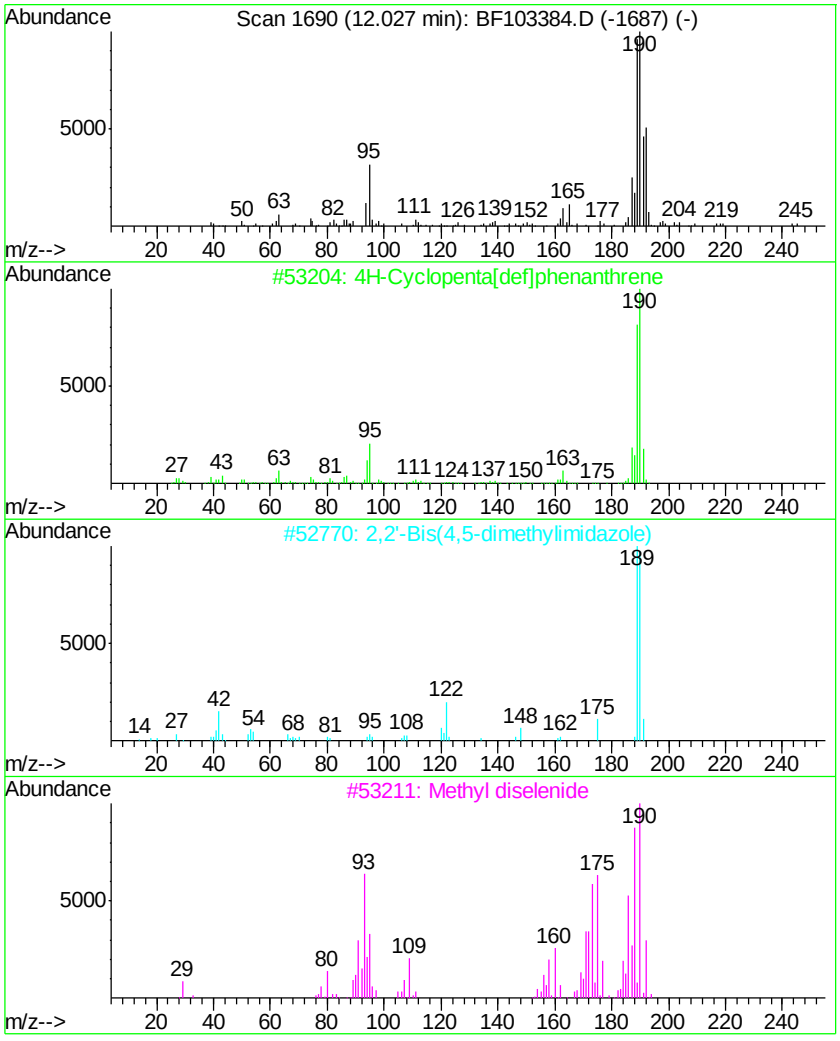
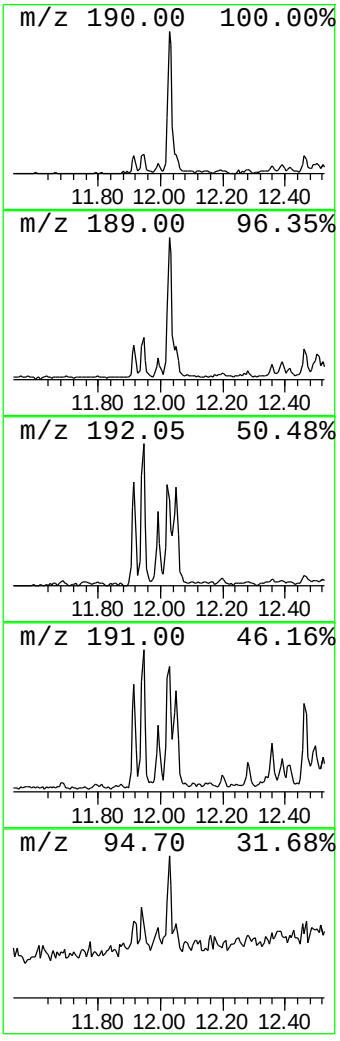
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.70 ng	143842	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	46
3	Methyl diselenide	190	C2H6Se2	007101-31-7	35
4	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	25





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Data File : BF103384.D
Acq On : 2 Mar 2018 23:41
Operator : SJ/JU
Sample : J1724-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-6

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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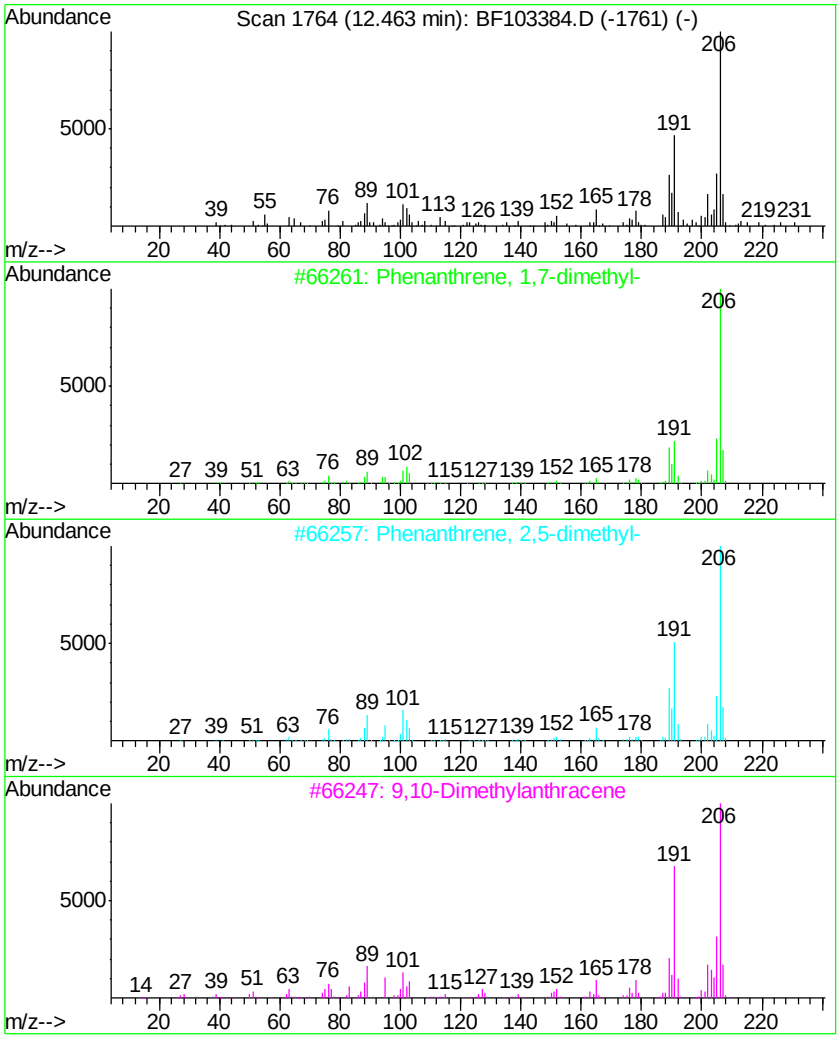
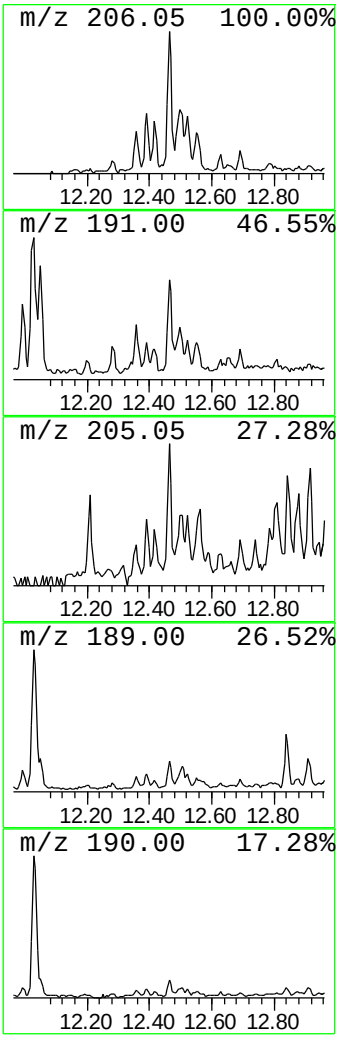
Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	3.13 ng	121638	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103384.D
Acq On : 2 Mar 2018 23:41
Operator : SJ/JU
Sample : J1724-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-6

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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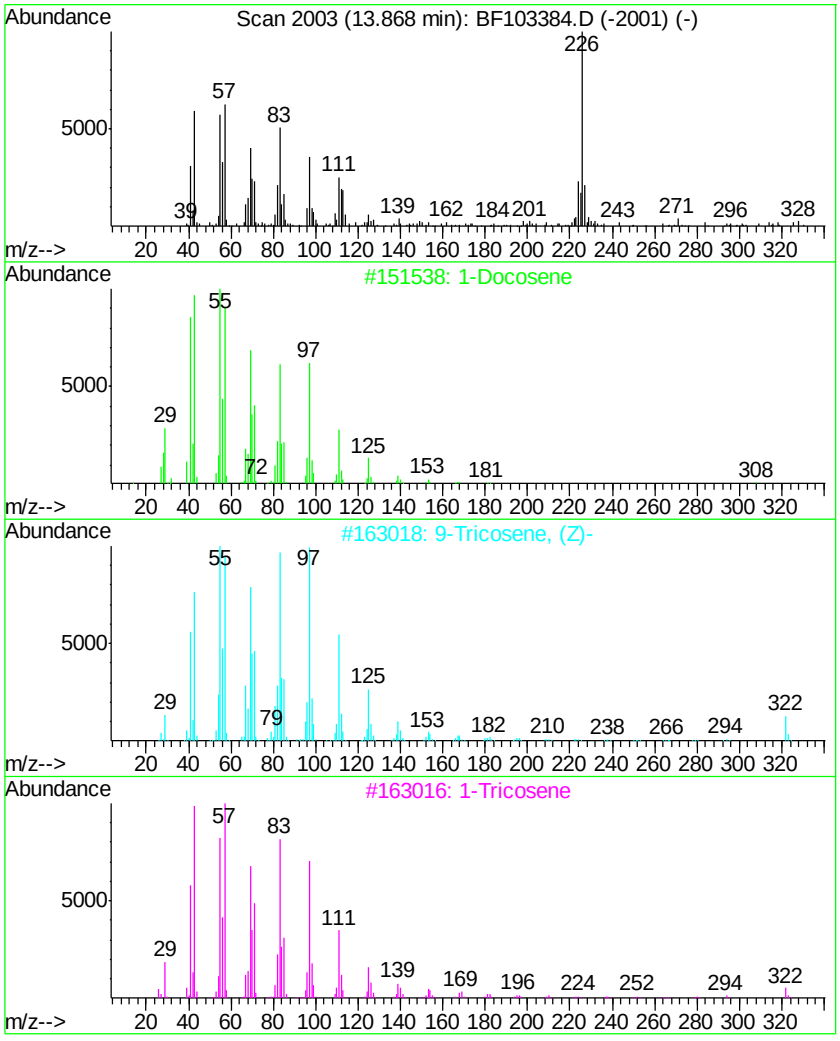
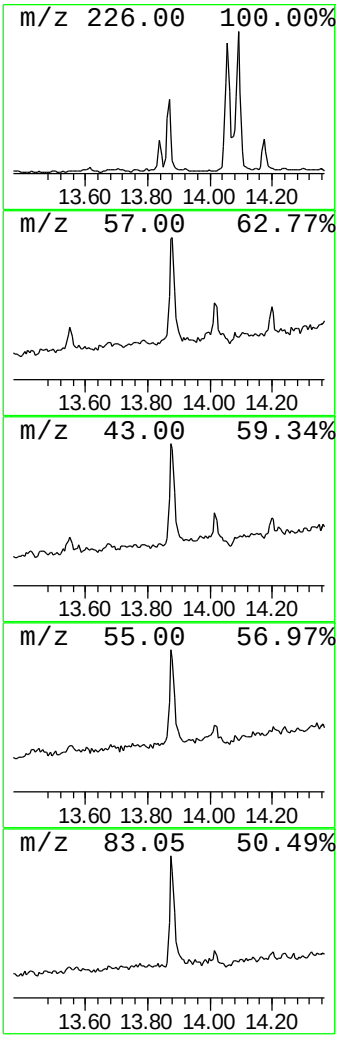
Peak Number 12 1-Docosene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	8.50 ng	450106	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	99
2	9-Tricosene, (Z)-	322	C23H46	027519-02-4	95
3	1-Tricosene	322	C23H46	018835-32-0	94
4	Cyclohexadecane	224	C16H32	000295-65-8	93
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\Data\BF030218\
Data File : BF103384.D
Acq On : 2 Mar 2018 23:41
Operator : SJ/JU
Sample : J1724-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-6

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...	2.13	6.5	ng	306035	1	6.87	938498	20.0
2-Pentanone, 4-hy...	5.12	3.6	ng	169088	1	6.87	938498	20.0
unknown6.65	6.65	74.0	ng	3474980	1	6.87	938498	20.0
Hexadecane	9.83	2.9	ng	144071	3	9.92	987486	20.0
Tetradecane	10.80	5.2	ng	200694	4	11.41	777934	20.0
5H-Indeno[1,2-b]p...	11.65	2.1	ng	82022	4	11.41	777934	20.0
n-Hexadecanoic acid	11.92	5.0	ng	194264	4	11.41	777934	20.0
Anthracene, 1-met...	11.94	2.4	ng	92571	4	11.41	777934	20.0
4H-Cyclopenta[def...	12.03	3.7	ng	143842	4	11.41	777934	20.0
Phenanthrene, 1,7...	12.46	3.1	ng	121638	4	11.41	777934	20.0
1-Docosene	13.87	8.5	ng	450106	5	14.07	1058800	20.0