LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103382.D
Acq On : 2 Mar 2018 22:48
Operator : SJ/JU
Sample : J1721-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-34

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	2.140	4	9	16	rBV	248913	338880	9.20%	0.993%
2	5.116	512	515	529	rBV	83486	120077	3.26%	0.352%
3	5.504	577	581	599	rBV	3348530	3683079	100.00%	10.789%
4	6.516	748	753	772	rBV	3047636	3639607	98.82%	10.662%
5	6.651	772	776	779	rBV	3499488	3338134	90.63%	9.779%
6	6.875	811	814	820	rBV	1135322	963955	26.17%	2.824%
7	7.034	837	841	844	rBV	2779836	2554548	69.36%	7.483%
8	7.445	906	911	921	rBV	2312159	2284416	62.02%	6.692%
9	7.539	925	927	936	rVB2	26371	47315	1.28%	0.139%
10	8.163	1029	1033	1050	rVB	1259616	1369391	37.18%	4.011%
11	8.875	1151	1154	1160	rVB	38298	44612	1.21%	0.131%
12	9.233	1211	1215	1224	rBV	3263428	3059220	83.06%	8.962%
13	9.304	1224	1227	1230	rVV	83590	79482	2.16%	0.233%
14	9.575	1265	1273	1276	rVV5	31132	51799	1.41%	0.152%
15	9.627	1276	1282	1288	rVV	259506	316666	8.60%	0.928%
16	9.780	1304	1308	1313	rBV	60651	74047	2.01%	0.217%
17	9.833	1313	1317	1319	rVV	165432	136498	3.71%	0.400%
18	9.916	1328	1331	1335	rBV	1166525	1121225	30.44%	3.284%
19	9.951	1335	1337	1344	rVB	88539	95253	2.59%	0.279%
20	10.122	1363	1366	1369	rBV3	48455	54590	1.48%	0.160%
21	10.151	1369	1371	1376	rVB3	43021	52143	1.42%	0.153%
22	10.304	1394	1397	1399	rBV	66180	63450	1.72%	0.186%
23	10.333	1399	1402	1405	rVB	189947	167110	4.54%	0.490%
24	10.469	1422	1425	1431	rVB	62679	66550	1.81%	0.195%
25	10.551	1434	1439	1441	rBV2	69071	80704	2.19%	0.236%
26	10.716	1462	1467	1475	rBV	1301650	1469413	39.90%	4.304%
27	10.804	1479	1482	1492	rVB	173237	237039	6.44%	0.694%
28	10.957	1505	1508	1513	rVB	51342	41779	1.13%	0.122%
29	11.257	1556	1559	1561	rBV	119297	112467	3.05%	0.329%
30	11.410	1581	1585	1587	rBV	885378	809214	21.97%	2.370%
31	11.433	1587	1589	1594	rVV	553456	497904	13.52%	1.459%
32	11.486	1595	1598	1603	rVB	124795	131010	3.56%	0.384%
33	11.651	1621	1626	1629	rBV2	38021	57769	1.57%	0.169%
34	11.680	1629	1631	1633	rVB	75473	54786	1.49%	0.160%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103382.D
Acq On : 2 Mar 2018 22:48
Operator : SJ/JU
Sample : J1721-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-34

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	11.921	1668	1672	1674	rBV2	171857	204244	5.55%	0.598%
36	11.939	1674	1675	1680	rVB2	102028	93168	2.53%	0.273%
37	12.027	1687	1690	1692	rBV	120219	123662	3.36%	0.362%
38	12.086	1698	1700	1703	rBV	72485	71833	1.95%	0.210%
39	12.210	1718	1721	1724	rBV	56172	56332	1.53%	0.165%
40	12.245	1724	1727	1731	rVB2	46289	52084	1.41%	0.153%
41	12.463	1761	1764	1766	rBV	62342	73840	2.00%	0.216%
42	12.563	1777	1781	1783	rBV2	44124	58782	1.60%	0.172%
43	12.633	1789	1793	1796	rBV	789089	777811	21.12%	2.279%
44	12.863	1825	1832	1837	rBV	810864	939657	25.51%	2.753%
45	12.910	1838	1840	1843	rVB2	55835	53720	1.46%	0.157%
46	12.998	1850	1855	1858	rBV	1767846	1716625	46.61%	5.029%
47	13.027	1858	1860	1864	rVB	47396	41715	1.13%	0.122%
48	13.186	1885	1887	1893	rVB2	116939	129864	3.53%	0.380%
49	13.257	1897	1899	1901	rVB	76003	53119	1.44%	0.156%
50	13.386	1919	1921	1924	rBV	56811	53119	1.44%	0.156%
51	13.874	2001	2004	2009	rBV3	426044	485415	13.18%	1.422%
52	14.062	2032	2036	2039	rBV2	760364	1015569	27.57%	2.975%
53	14.092	2039	2041	2047	rVB	385006	322184	8.75%	0.944%
54	15.133	2215	2218	2221	rBV	192876	258743	7.03%	0.758%
55	15.574	2290	2293	2297	rVB	288867	341276	9.27%	1.000%

Sum of corrected areas: 34136894

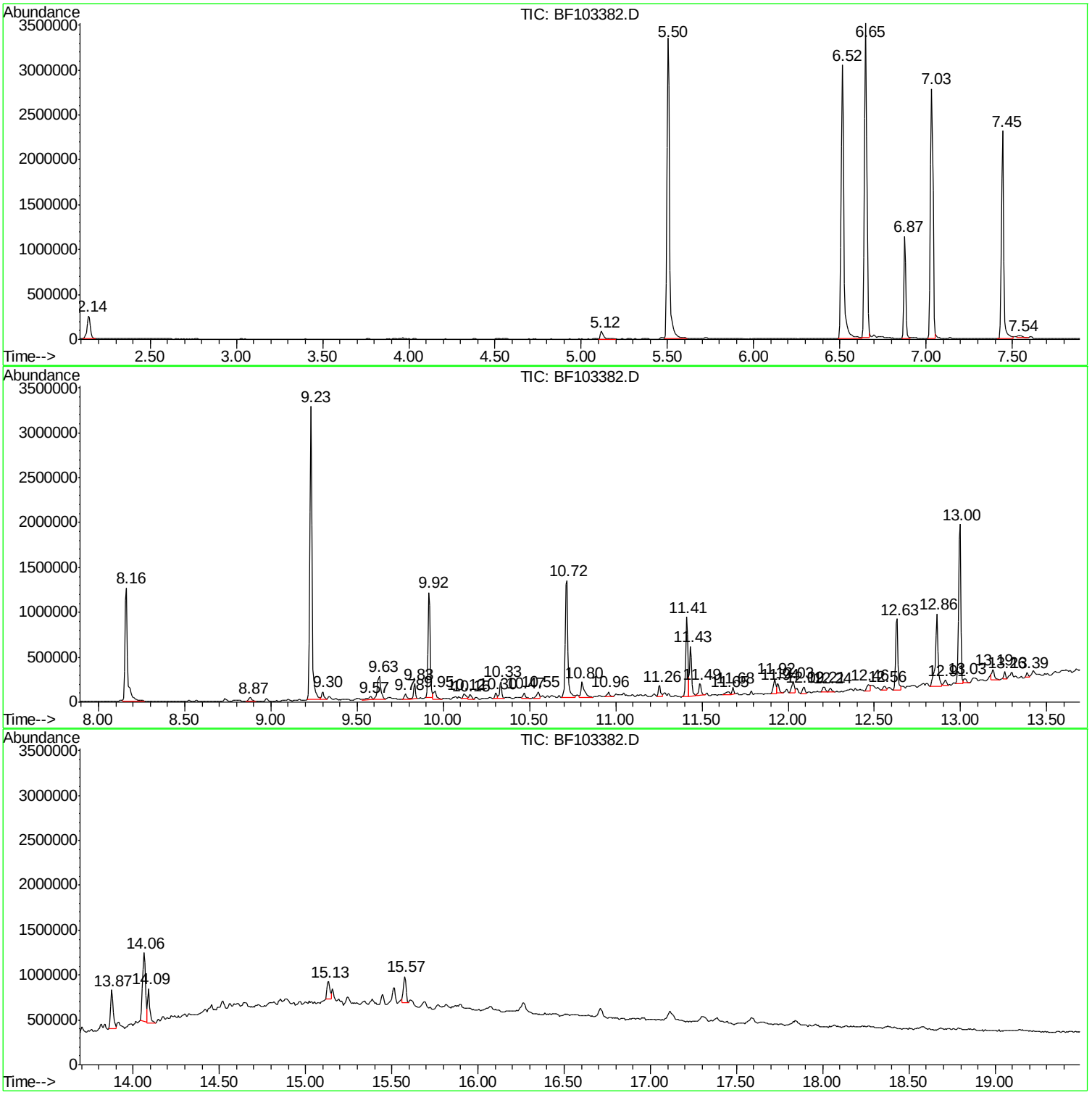
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103382.D
Acq On : 2 Mar 2018 22:48
Operator : SJ/JU
Sample : J1721-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-34

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103382.D
Acq On : 2 Mar 2018 22:48
Operator : SJ/JU
Sample : J1721-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-34

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

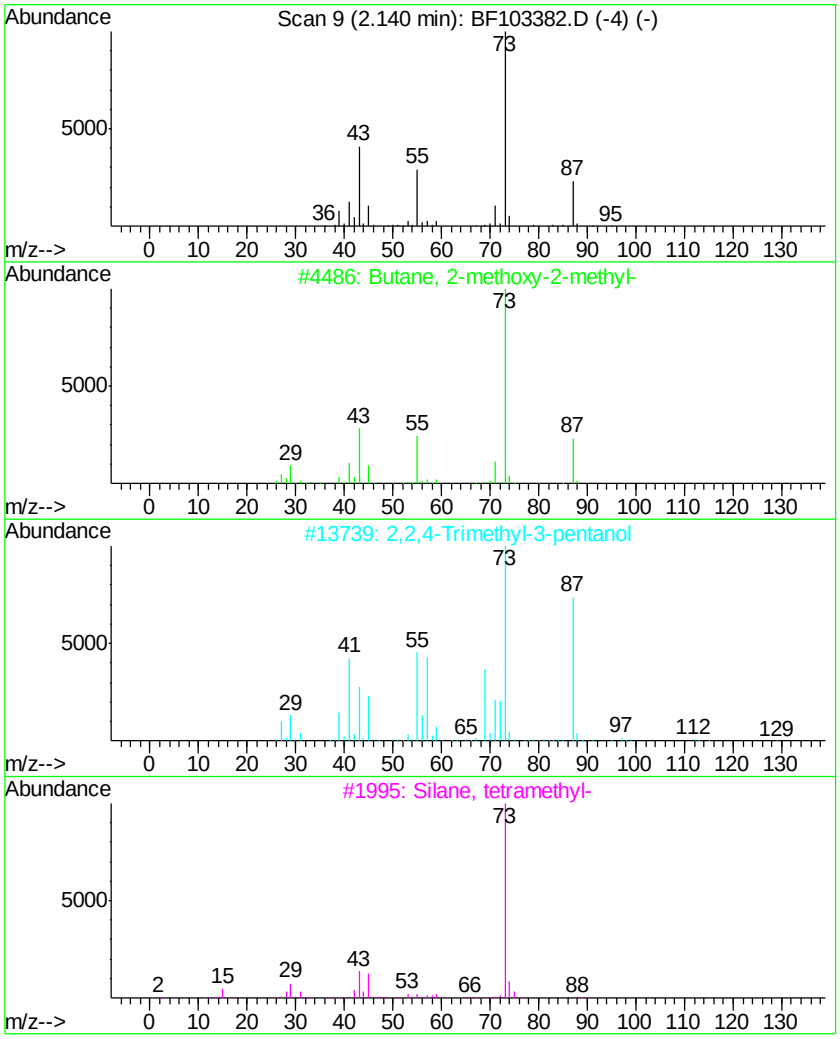
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

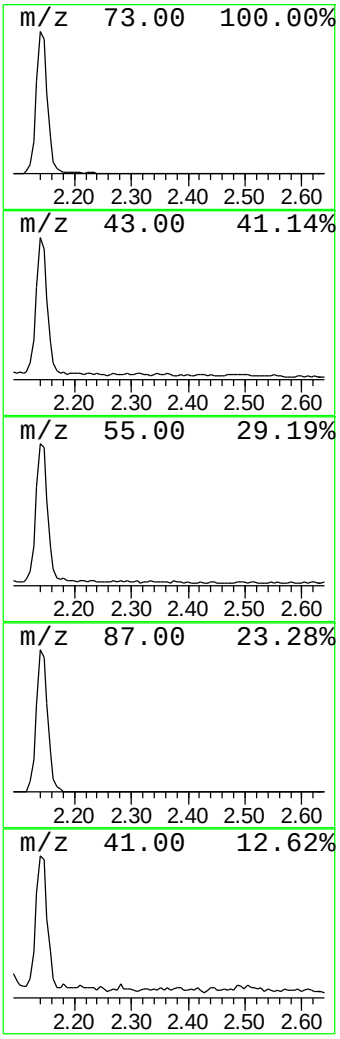
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	7.03 ng	338880	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	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	32
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103382.D
Acq On : 2 Mar 2018 22:48
Operator : SJ/JU
Sample : J1721-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-34

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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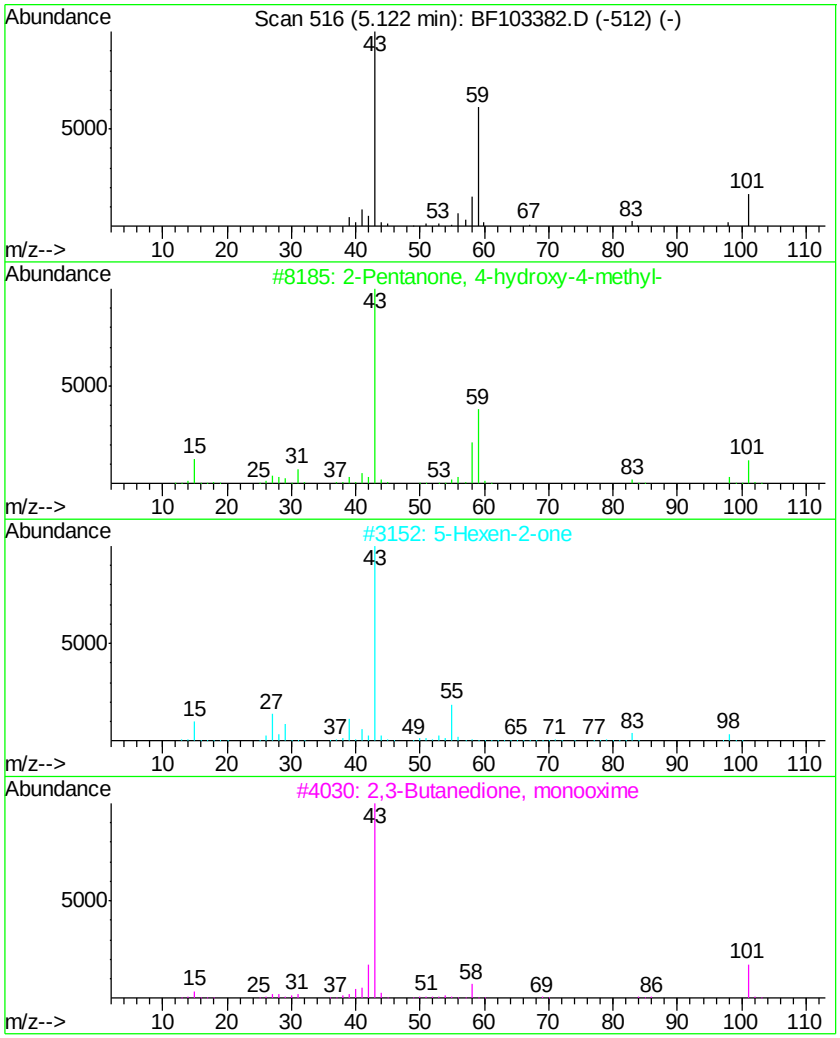
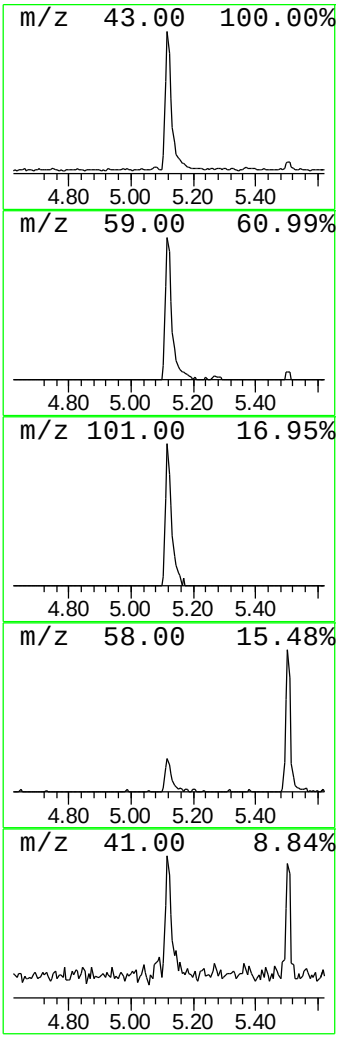
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	2.49 ng	120077	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	50
2	5-Hexen-2-one	98	C6H10O	000109-49-9	10
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Acetone	58	C3H6O	000067-64-1	9
5	Diacetamide	101	C4H7NO2	000625-77-4	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103382.D
Acq On : 2 Mar 2018 22:48
Operator : SJ/JU
Sample : J1721-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-34

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

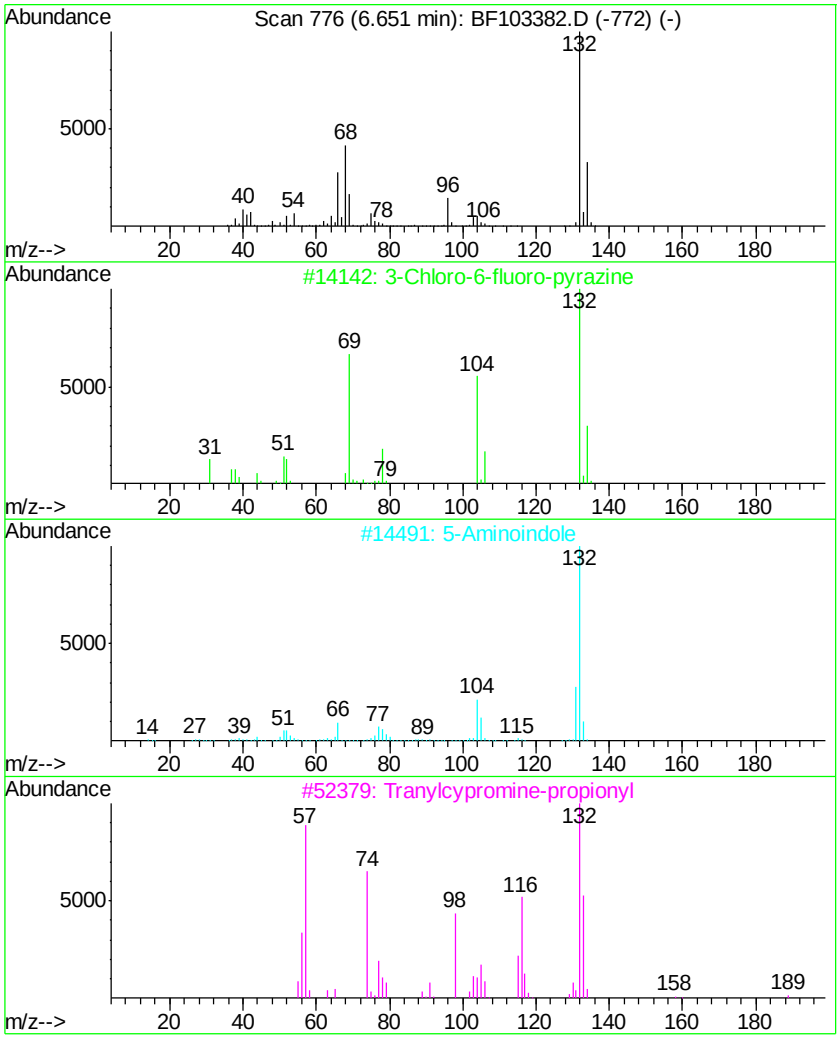
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

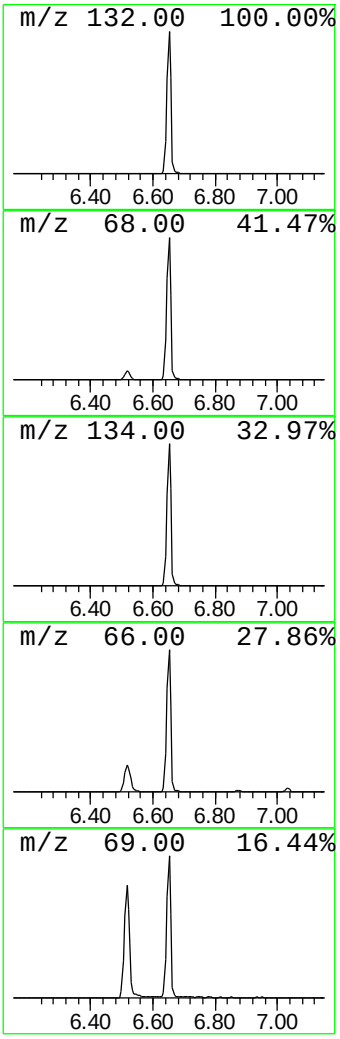
****

Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	69.26 ng	3338130	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-Aminoindole	132	C8H8N2	005192-03-0	12
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





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103382.D
Acq On : 2 Mar 2018 22:48
Operator : SJ/JU
Sample : J1721-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-34

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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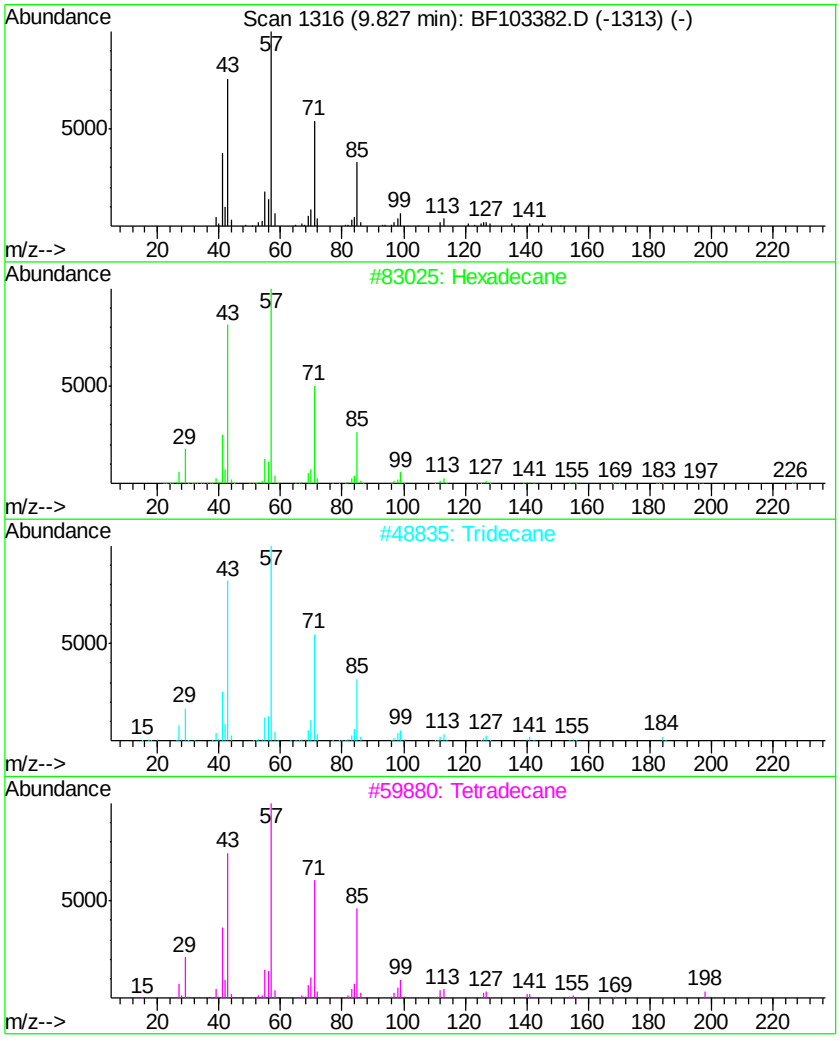
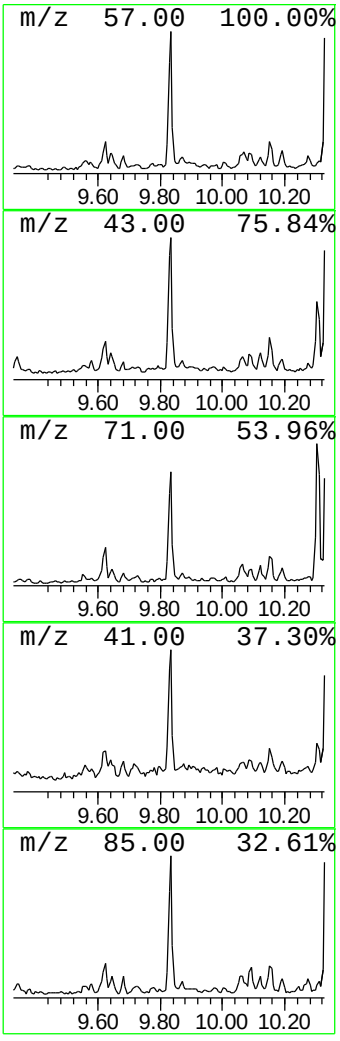
Peak Number 5 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	2.43 ng	136498	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tridecane	184	C13H28	000629-50-5	86
3	Tetradecane	198	C14H30	000629-59-4	83
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80
5	Nonadecane	268	C19H40	000629-92-5	78





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Acq On : 2 Mar 2018 22:48
Operator : SJ/JU
Sample : J1721-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-34

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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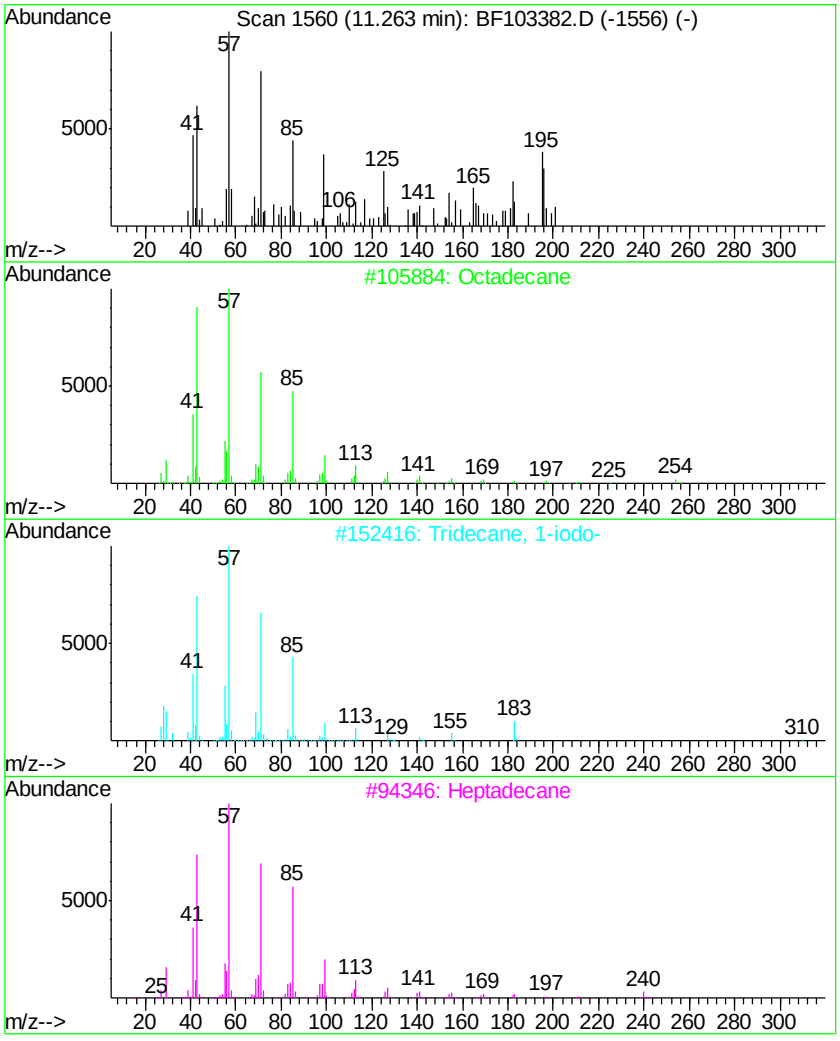
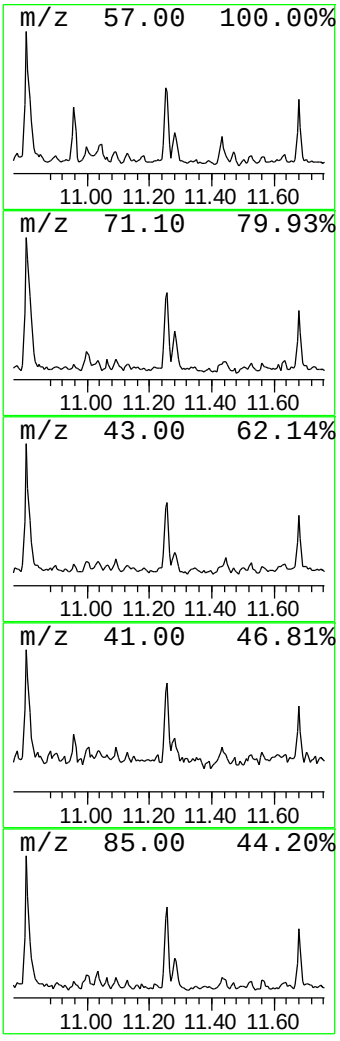
Peak Number 8 Octadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	2.78 ng	112467	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	58
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	53
3	Heptadecane	240	C17H36	000629-78-7	52
4	Heneicosane	296	C21H44	000629-94-7	49
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	47





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103382.D
Acq On : 2 Mar 2018 22:48
Operator : SJ/JU
Sample : J1721-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-34

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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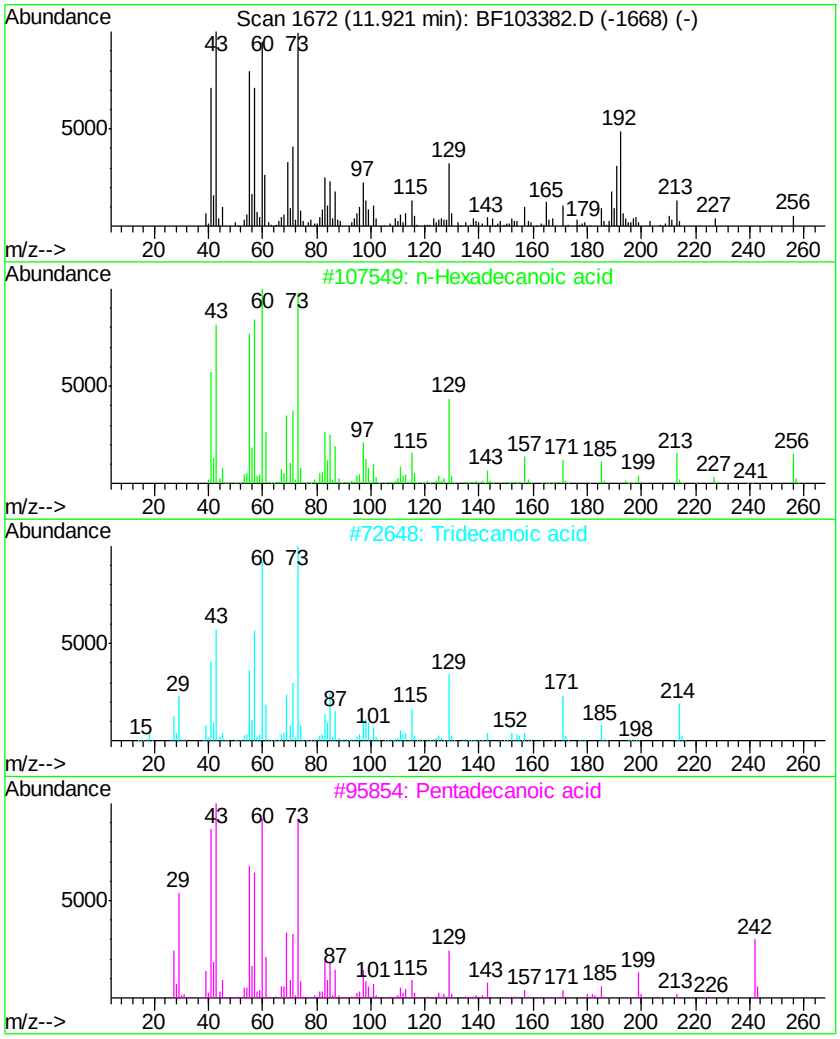
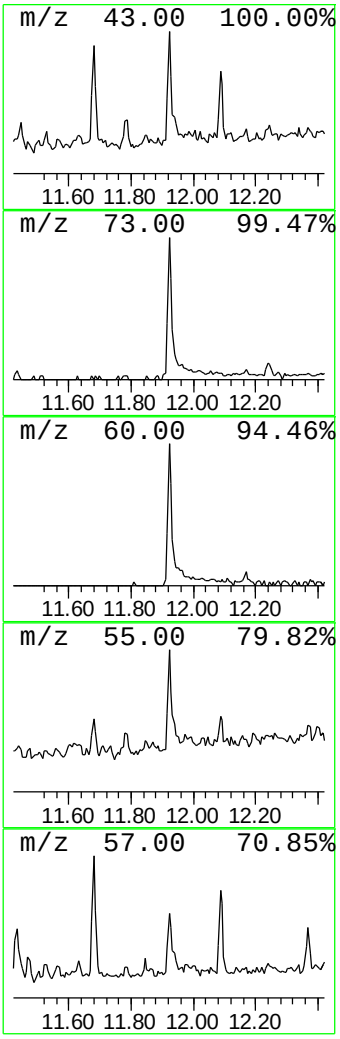
Peak Number 9 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	5.05 ng	204244	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	64
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
4	Undecanoic acid	186	C11H22O2	000112-37-8	52
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	52





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103382.D
Acq On : 2 Mar 2018 22:48
Operator : SJ/JU
Sample : J1721-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-34

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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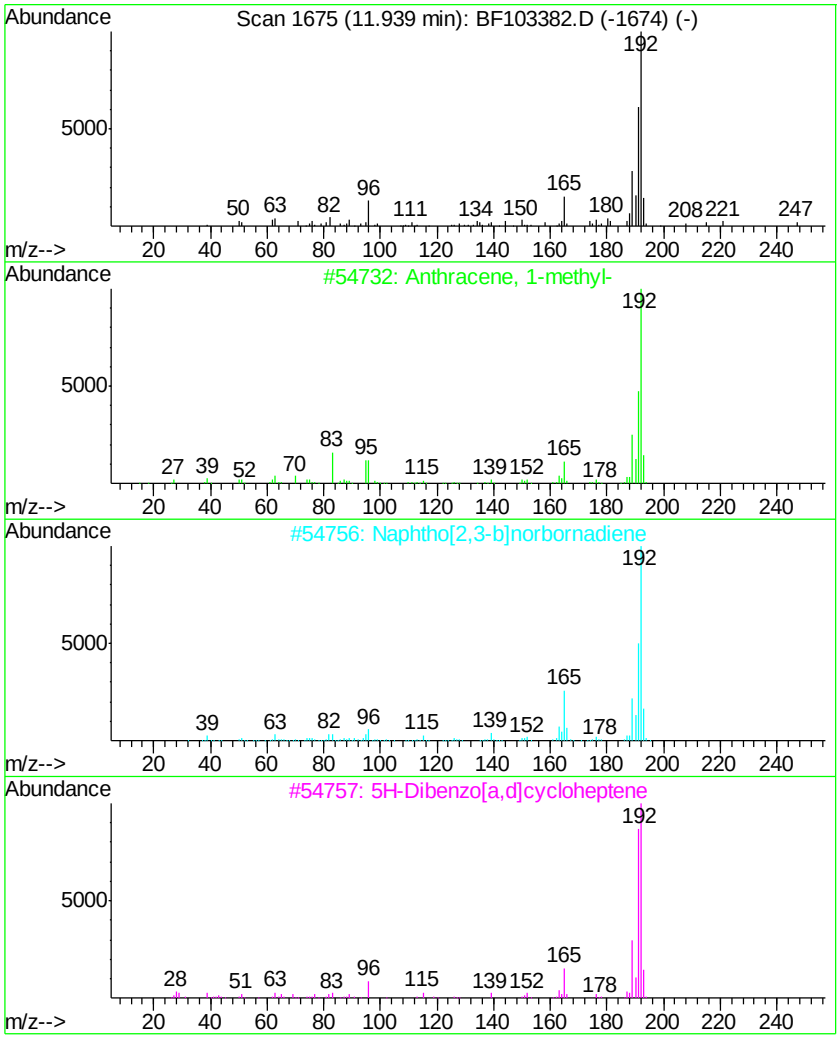
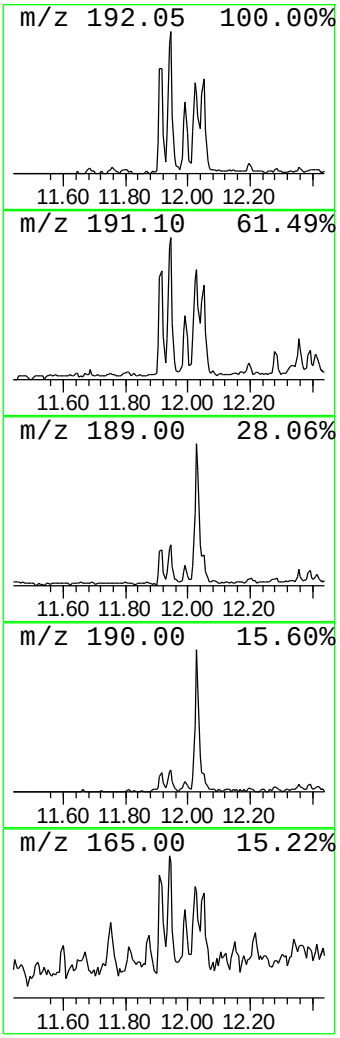
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	2.30 ng	93168	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	83
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103382.D
Acq On : 2 Mar 2018 22:48
Operator : SJ/JU
Sample : J1721-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-34

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

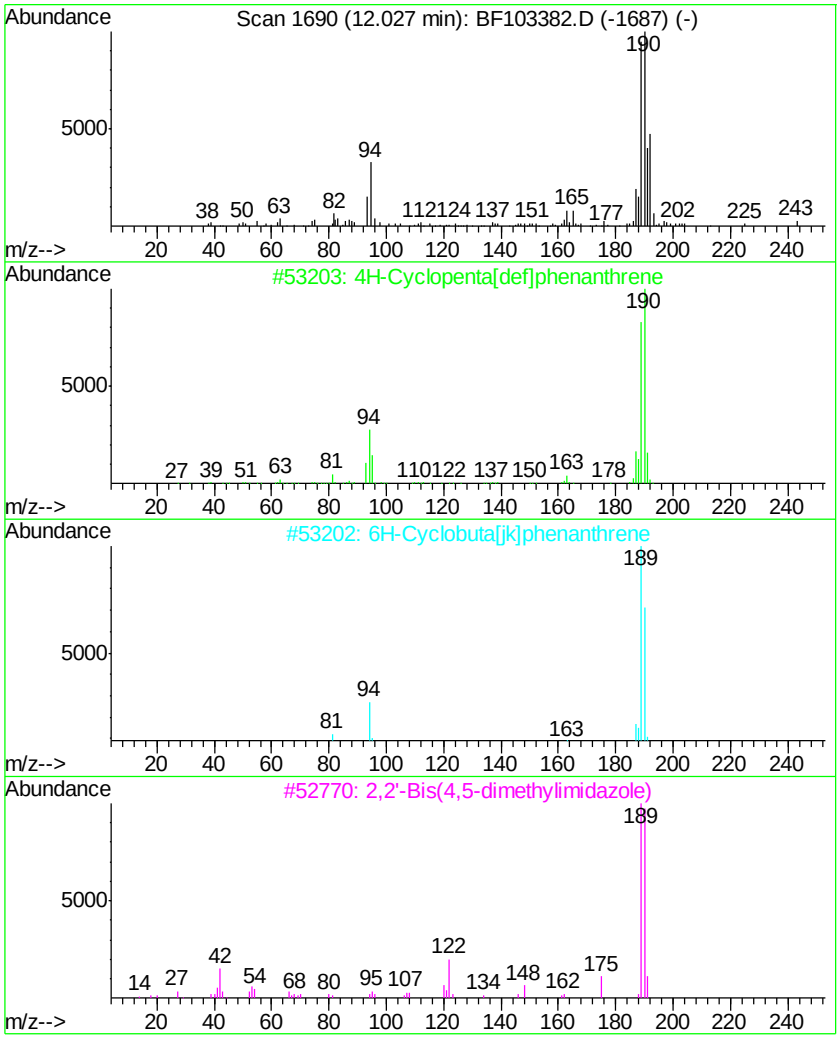
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

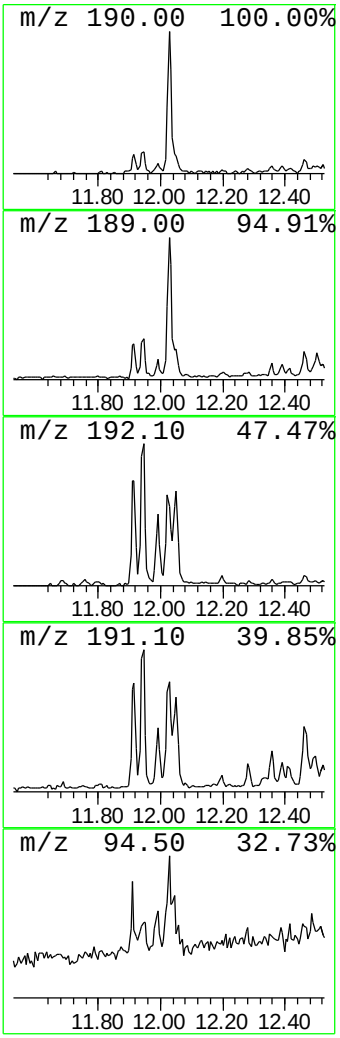
****

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.06 ng	123662	Phenanthrene-d10	11.41

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	42
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
4	4-(4-Methyl-piperidin-1-yl)-phen...	190	C12H18N2	342013-25-6	37
5	Methyl diselenide	190	C2H6Se2	007101-31-7	35





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Acq On : 2 Mar 2018 22:48
Operator : SJ/JU
Sample : J1721-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-34

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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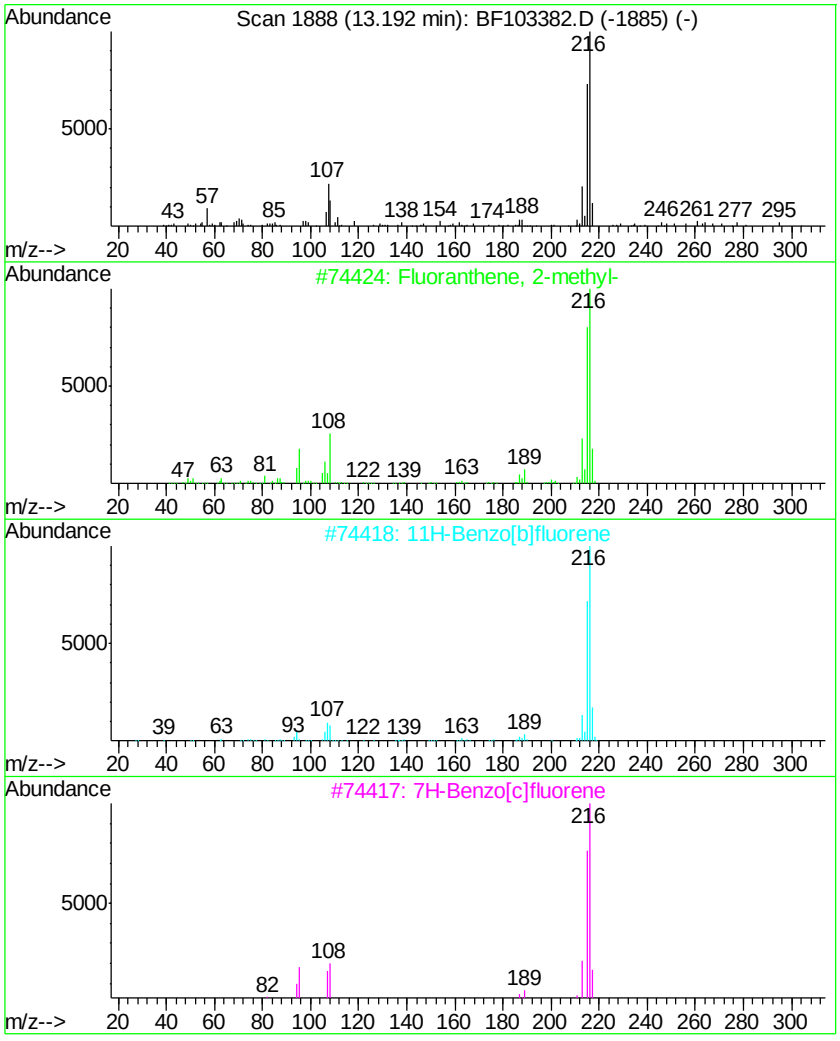
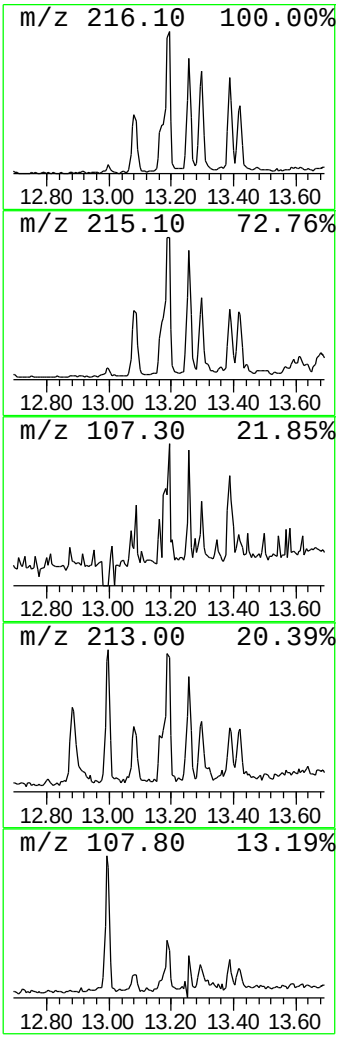
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	2.56 ng	129864	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





Data Path : Z:\HPCHEM1\BNA F\Data\BF030218\
Data File : BF103382.D
Acq On : 2 Mar 2018 22:48
Operator : SJ/JU
Sample : J1721-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-34

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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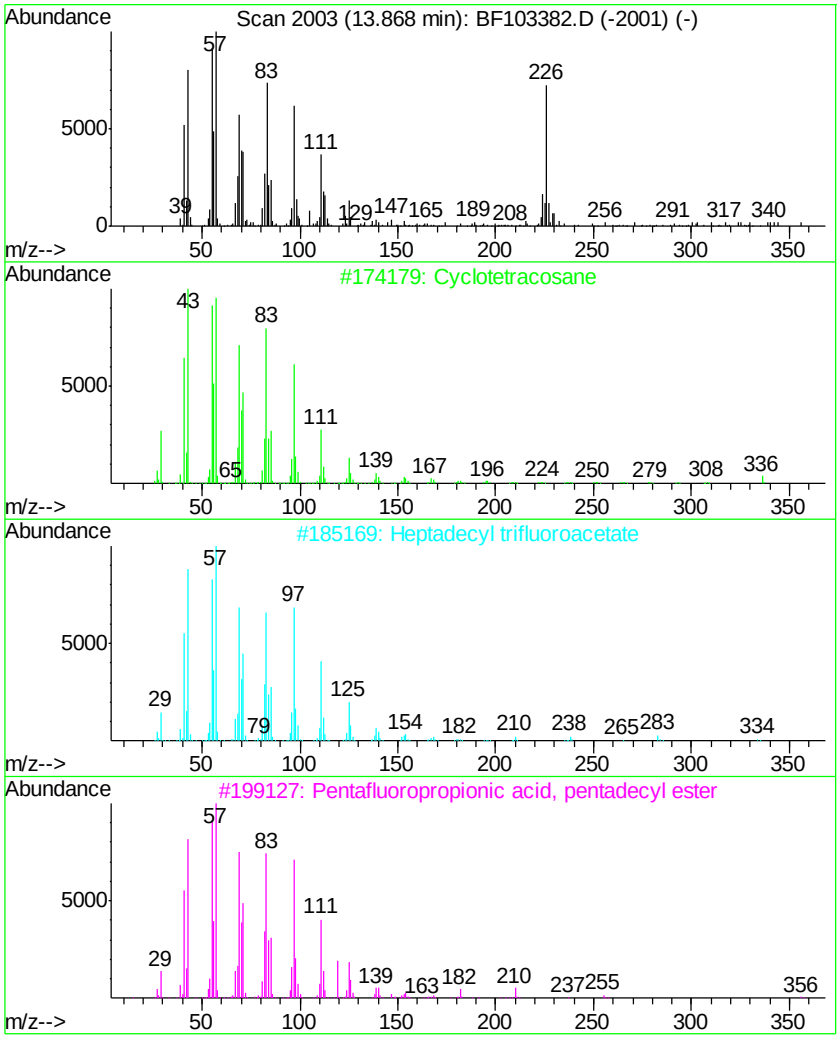
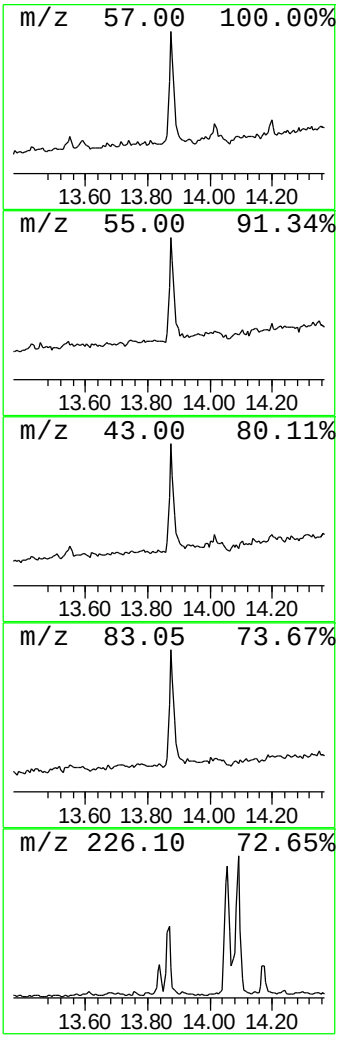
Peak Number 13 Cyclotetracosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	9.56 ng	485415	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	93
2	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	93
3	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	93
4	1-Docosene	308	C22H44	001599-67-3	93
5	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\Data\BF030218\
Data File : BF103382.D
Acq On : 2 Mar 2018 22:48
Operator : SJ/JU
Sample : J1721-17
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-34

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...	2.14	7.0	ng	338880	1	6.87	963955	20.0
2-Pentanone, 4-hy...	5.12	2.5	ng	120077	1	6.87	963955	20.0
unknown6.65	6.65	69.3	ng	3338130	1	6.87	963955	20.0
Hexadecane	9.83	2.4	ng	136498	3	9.92	1121230	20.0
Octadecane	11.26	2.8	ng	112467	4	11.41	809214	20.0
n-Hexadecanoic acid	11.92	5.0	ng	204244	4	11.41	809214	20.0
Anthracene, 1-met...	11.94	2.3	ng	93168	4	11.41	809214	20.0
4H-Cyclopenta[def...	12.03	3.1	ng	123662	4	11.41	809214	20.0
Fluoranthene, 2-m...	13.19	2.6	ng	129864	5	14.06	1015570	20.0
Cyclotetracosane	13.87	9.6	ng	485415	5	14.06	1015570	20.0