LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091298.D
Acq On : 24 Nov 2016 2:00
Operator : UM/SJ
Sample : H5740-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(6.5-7.5)

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-BF112316.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	1.767	4	7	10	rBV	4612982	5517103	89.36%	8.529%
2	1.904	17	19	42	rVB	2356771	4931780	79.88%	7.624%
3	2.190	42	44	50	rVB	63314	109137	1.77%	0.169%
4	5.081	293	297	302	rVB	1571122	2295359	37.18%	3.548%
5	5.493	329	333	335	rBV	5573464	6174348	100.00%	9.545%
6	6.510	419	422	425	rBV	4506143	5997012	97.13%	9.271%
7	6.647	431	434	437	rBV	4975774	5528358	89.54%	8.546%
8	6.876	452	454	457	rBV	1282589	1281678	20.76%	1.981%
9	7.036	465	468	471	rBV	4353917	4177992	67.67%	6.459%
10	7.447	500	504	506	rBV	3630553	4110627	66.58%	6.355%
11	8.167	564	567	569	rBV	1861422	1733409	28.07%	2.680%
12	9.242	658	661	664	rBV	4612971	5417629	87.74%	8.375%
13	9.630	693	695	698	rBV	142906	164432	2.66%	0.254%
14	9.916	718	720	722	rVB	1549702	1542889	24.99%	2.385%
15	10.362	755	759	760	rBV	92785	94863	1.54%	0.147%
16	10.705	786	789	792	rBV	3344018	3201613	51.85%	4.949%
17	10.831	798	800	805	rVB	114660	131461	2.13%	0.203%
18	11.276	838	839	841	rBV	67365	66333	1.07%	0.103%
19	11.402	848	850	852	rBV	1606078	1406416	22.78%	2.174%
20	11.939	895	897	899	rBV	193371	286430	4.64%	0.443%
21	12.614	953	956	957	rBV	57958	79751	1.29%	0.123%
22	12.716	963	965	972	rVB2	89495	145988	2.36%	0.226%
23	12.831	972	975	978	rVB	35154	63449	1.03%	0.098%
24	12.991	986	989	991	rVB	4224307	3933800	63.71%	6.081%
25	13.882	1065	1067	1070	rBV	284906	365464	5.92%	0.565%
26	14.031	1078	1080	1083	rBV	1208486	1300541	21.06%	2.010%
27	14.179	1087	1093	1094	rBV2	76412	239318	3.88%	0.370%
28	14.419	1111	1114	1118	rBV6	34070	117714	1.91%	0.182%
29	14.522	1121	1123	1128	rVB4	58117	114903	1.86%	0.178%
30	14.797	1145	1147	1154	rVB	324160	467607	7.57%	0.723%
31	15.471	1203	1206	1209	rBV	733256	1038852	16.83%	1.606%
32	15.997	1250	1252	1255	rBV	70801	119397	1.93%	0.185%
33	16.488	1285	1295	1308	rVB3	434555	2532092	41.01%	3.914%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091298.D
Acq On : 24 Nov 2016 2:00
Operator : UM/SJ
Sample : H5740-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06(6.5-7.5)

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-BF112316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 64687745

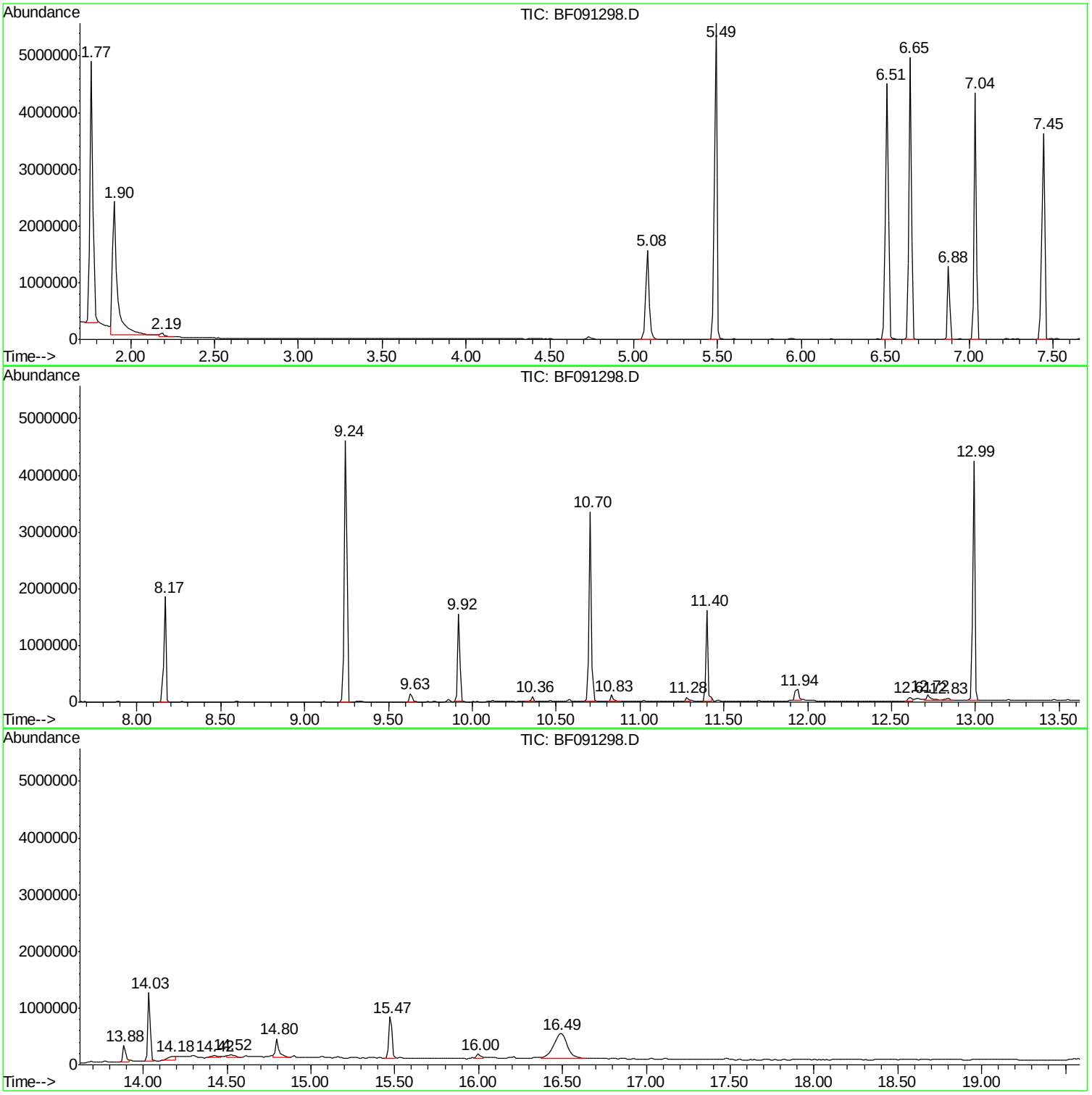
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091298.D
Acq On : 24 Nov 2016 2:00
Operator : UM/SJ
Sample : H5740-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-06(6.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091298.D
Acq On : 24 Nov 2016 2:00
Operator : UM/SJ
Sample : H5740-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(6.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

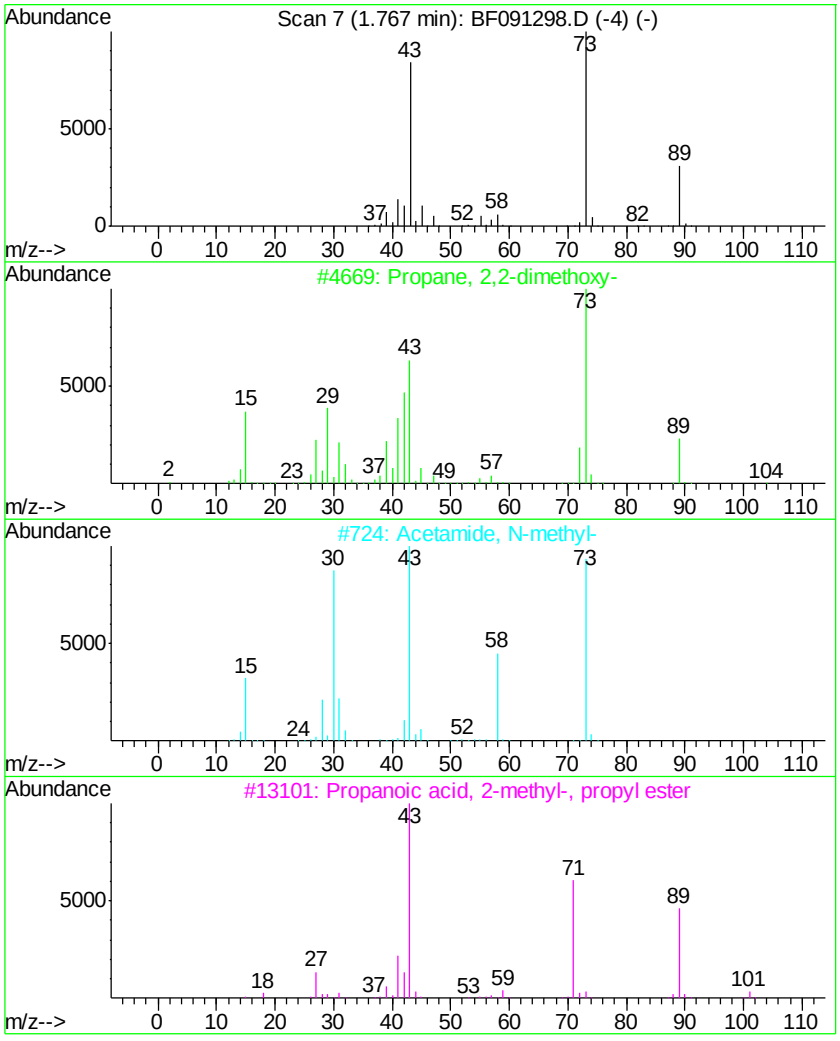
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

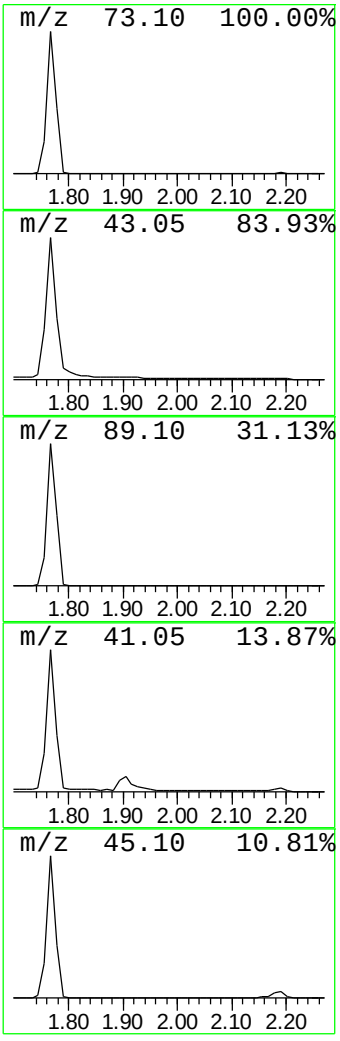
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.77	86.09 ng	5517100	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	50
2	Acetamide, N-methyl-	73	C3H7NO	000079-16-3	38
3	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	25
4	Isobutane	58	C4H10	000075-28-5	9
5	1-Propanol, 2-methyl-2-nitro-	119	C4H9NO3	000076-39-1	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091298.D
Acq On : 24 Nov 2016 2:00
Operator : UM/SJ
Sample : H5740-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(6.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

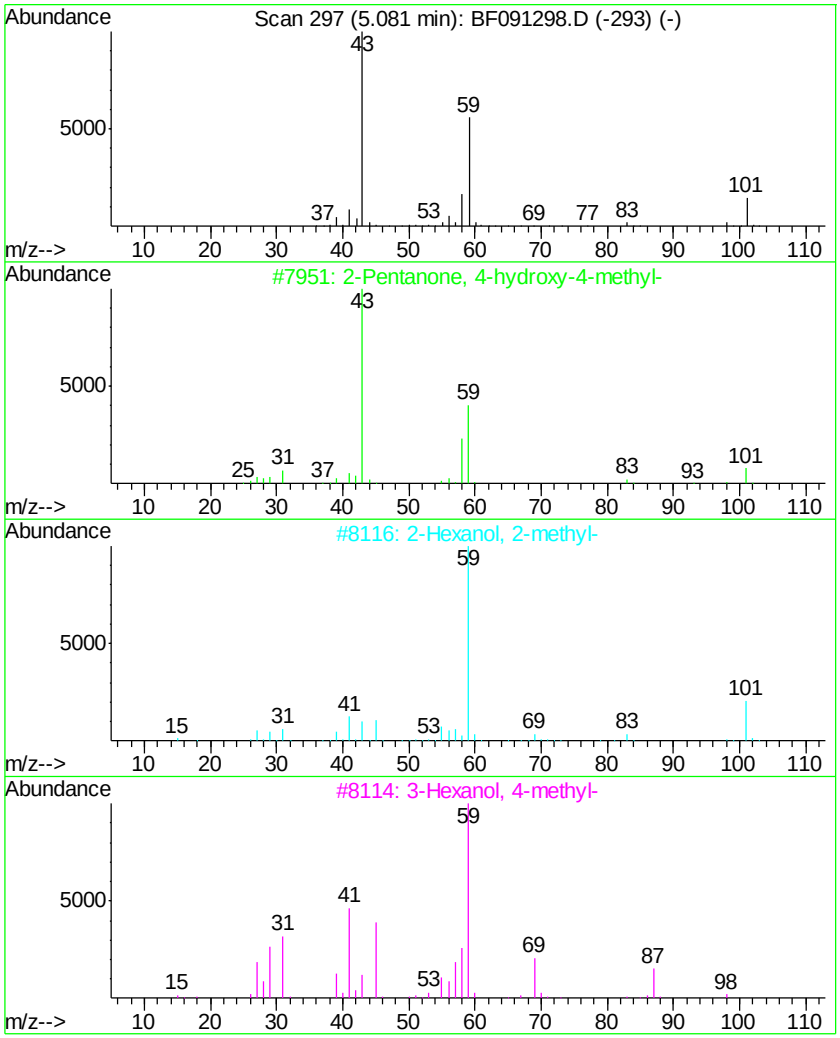
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

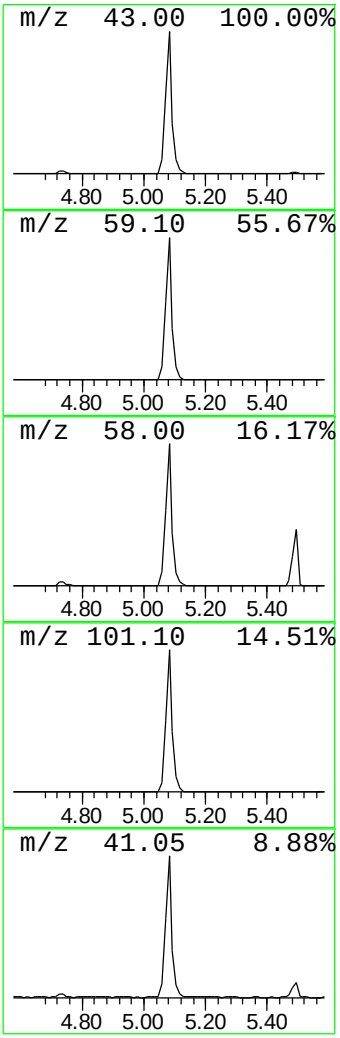
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	35.82 ng	2295360	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
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:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091298.D
Acq On : 24 Nov 2016 2:00
Operator : UM/SJ
Sample : H5740-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(6.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

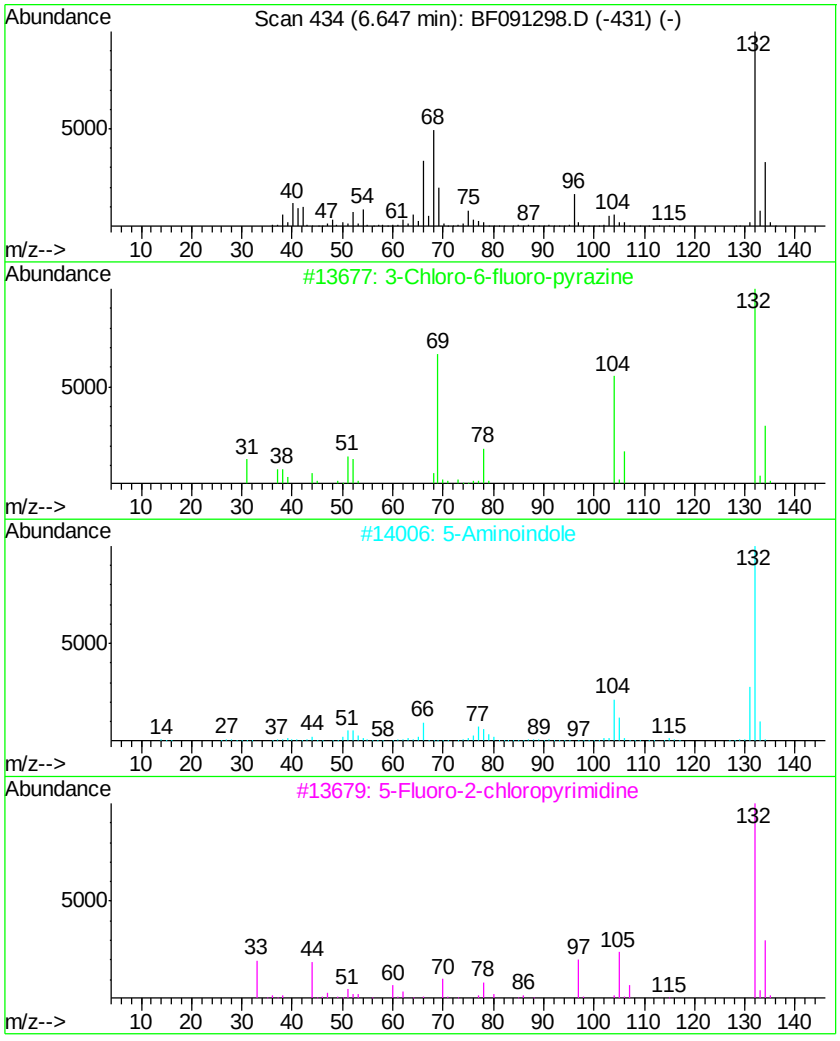
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

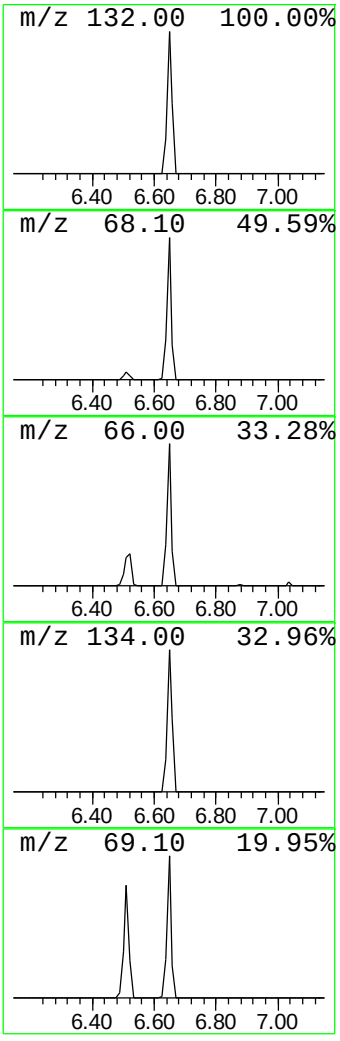
****

Peak Number 4 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	86.27 ng	5528360	1,4-Dichlorobenzene-d4	6.88

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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091298.D
Acq On : 24 Nov 2016 2:00
Operator : UM/SJ
Sample : H5740-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(6.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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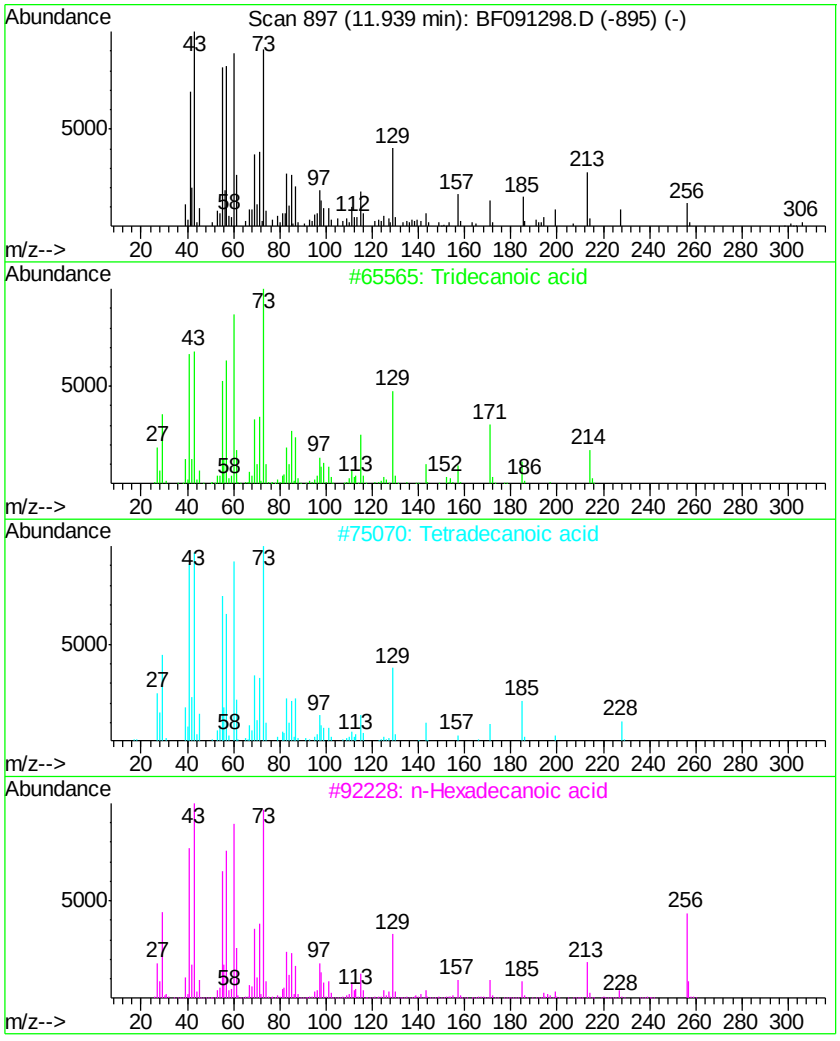
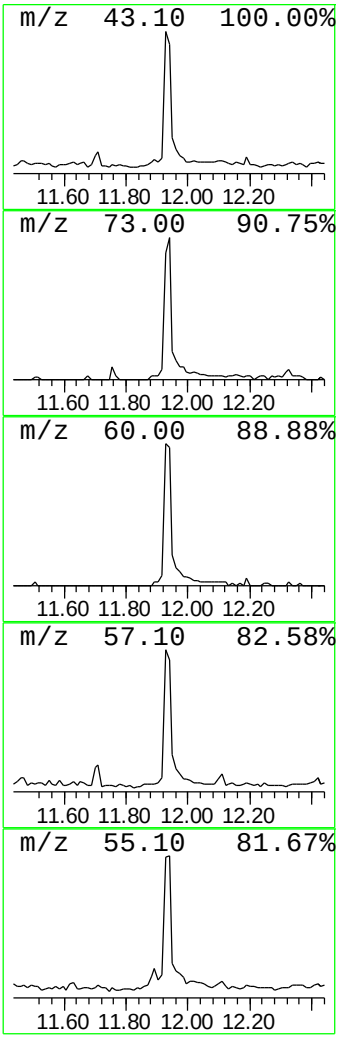
Peak Number 6 Tridecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	4.07 ng	286430	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	81
4	n-Decanoic acid	172	C10H20O2	000334-48-5	64
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	62





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091298.D
Acq On : 24 Nov 2016 2:00
Operator : UM/SJ
Sample : H5740-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(6.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

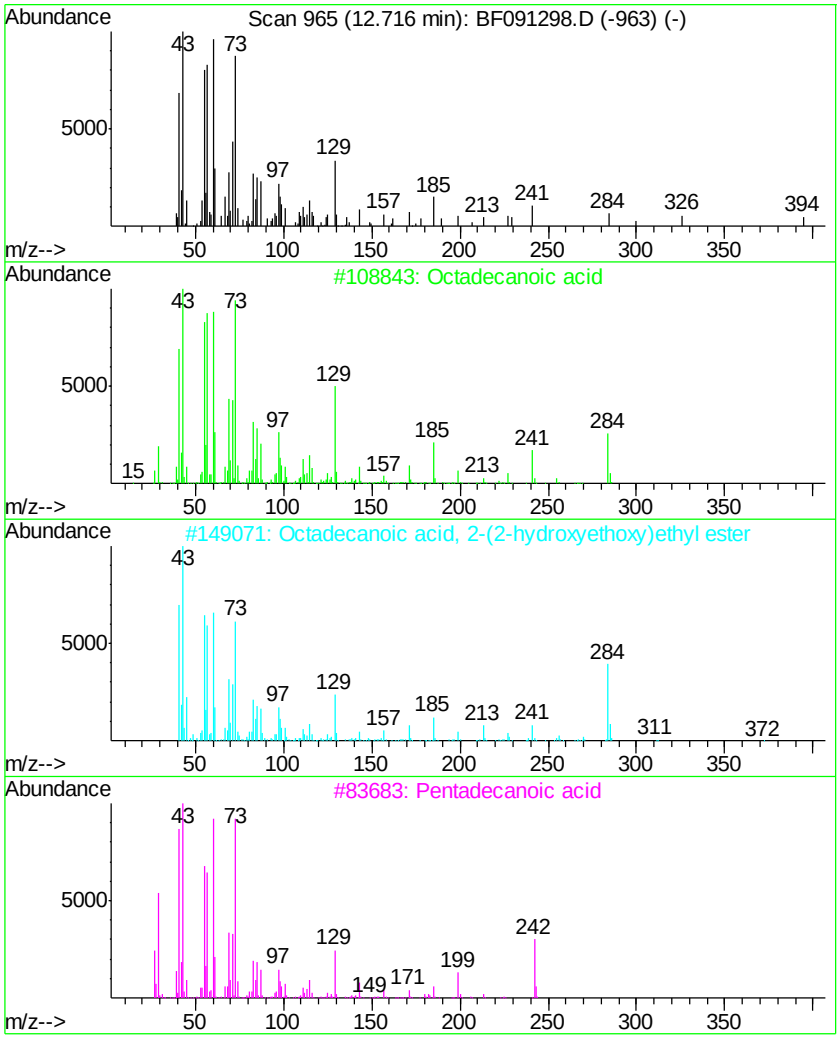
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

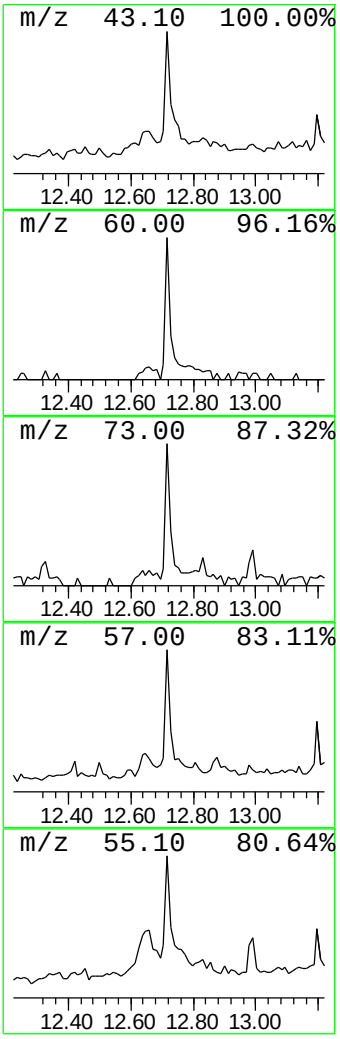
****

Peak Number 7 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	2.25 ng	145988	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	80
4	Undecanoic acid	186	C11H22O2	000112-37-8	80
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	72





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Data File : BF091298.D
Acq On : 24 Nov 2016 2:00
Operator : UM/SJ
Sample : H5740-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(6.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

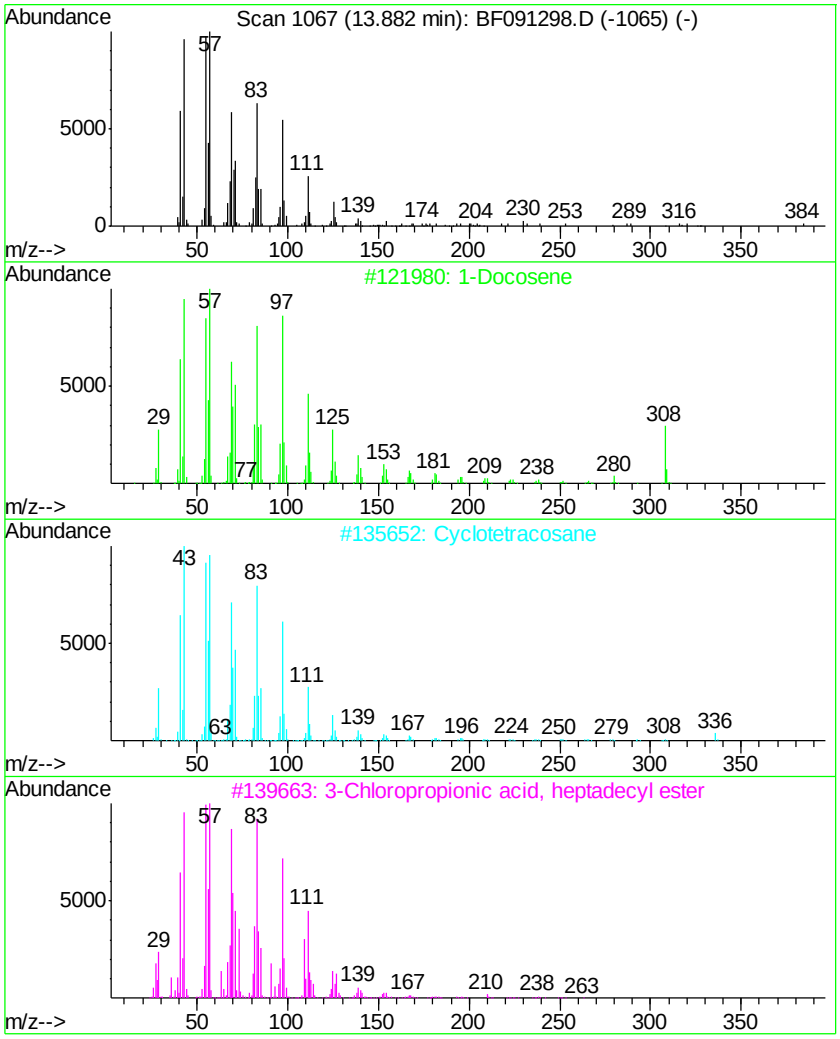
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

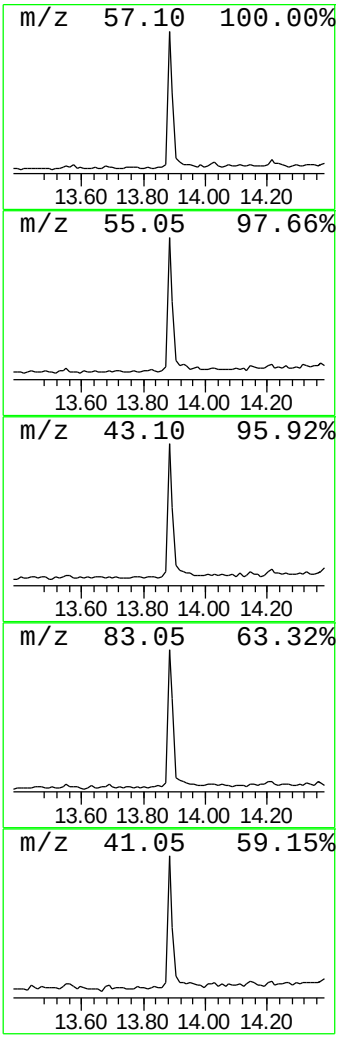
****

Peak Number 8 1-Docosene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	5.62 ng	365464	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	99
2	Cyclotetracosane	336	C24H48	000297-03-0	91
3	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	91
4	1-Octadecanol	270	C18H38O	000112-92-5	91
5	Cyclohexadecane	224	C16H32	000295-65-8	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091298.D
Acq On : 24 Nov 2016 2:00
Operator : UM/SJ
Sample : H5740-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(6.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

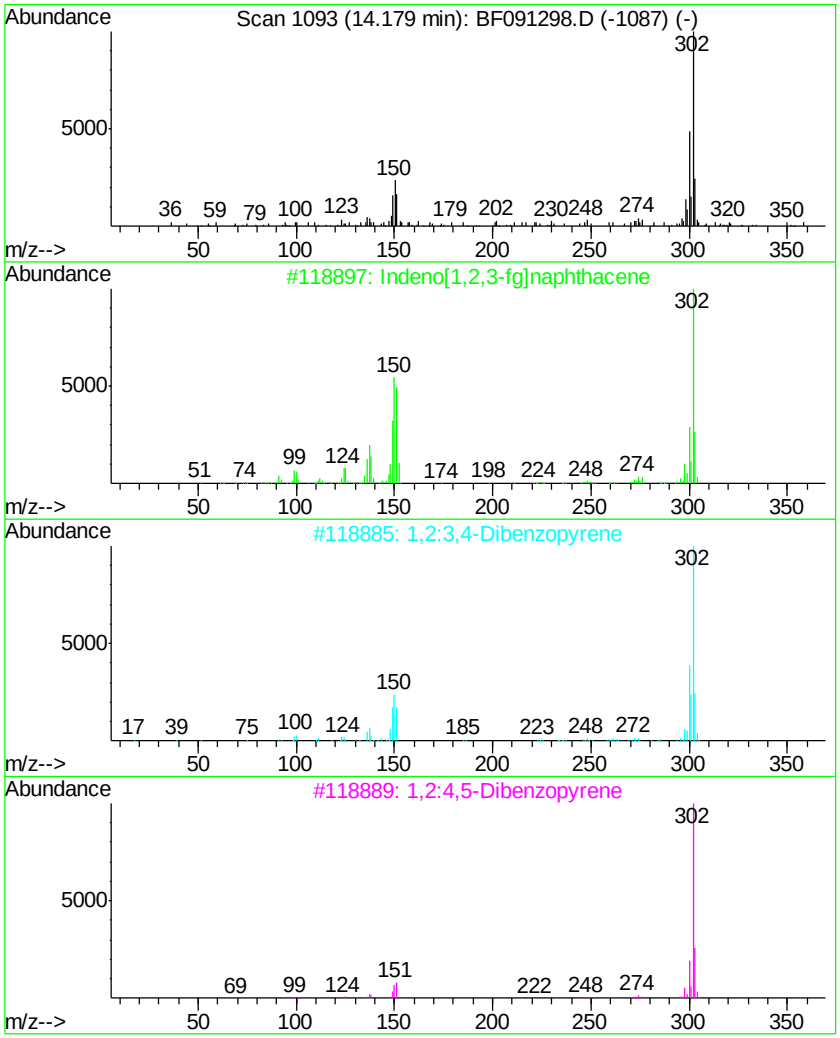
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

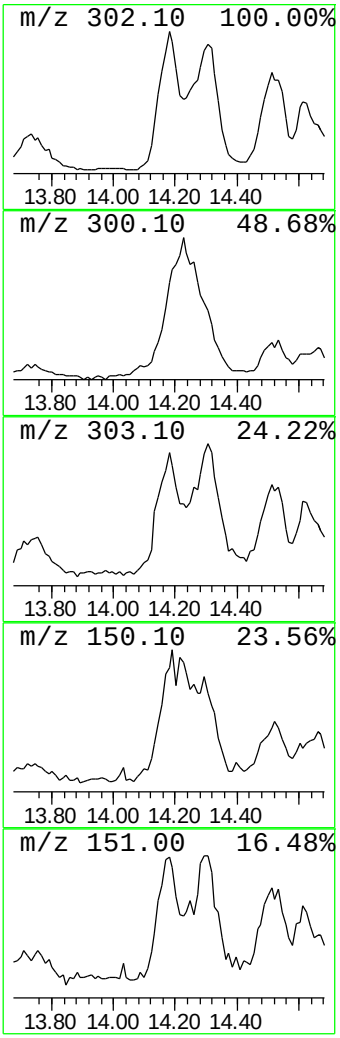
****

Peak Number 9 Indeno[1,2,3-fg]naphthacene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	3.68 ng	239318	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	89
2	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	70
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	64
4	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	60
5	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	58





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091298.D
Acq On : 24 Nov 2016 2:00
Operator : UM/SJ
Sample : H5740-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(6.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

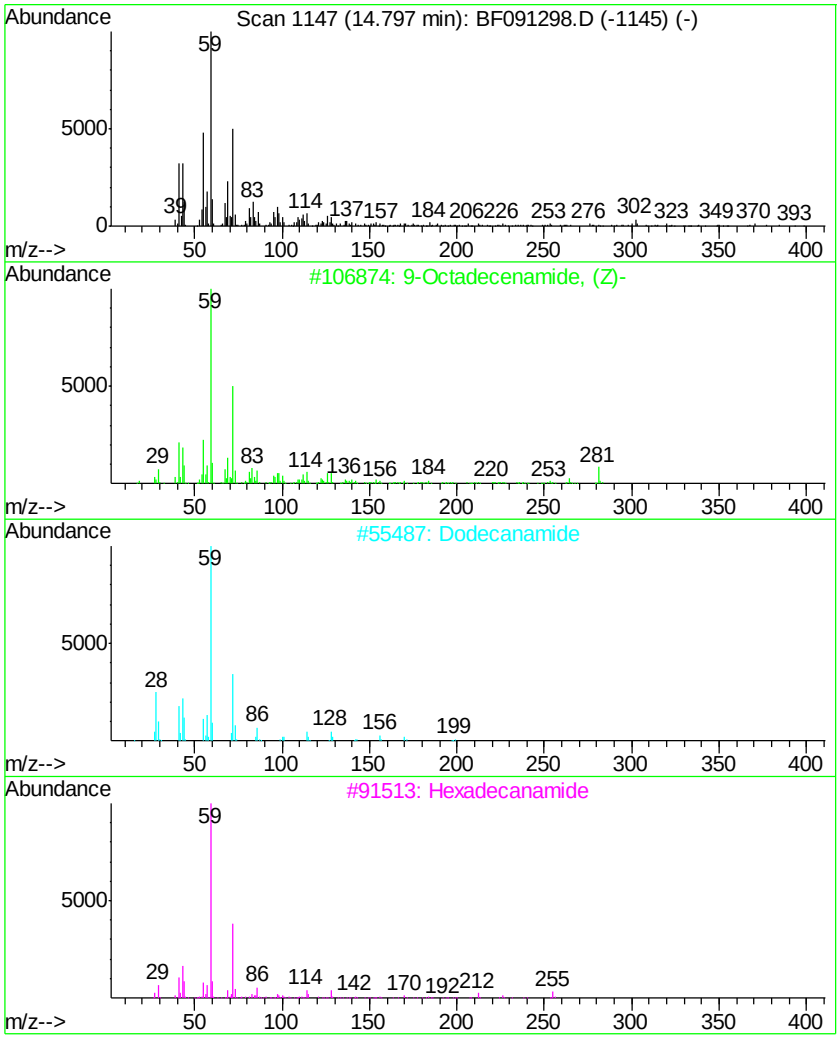
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

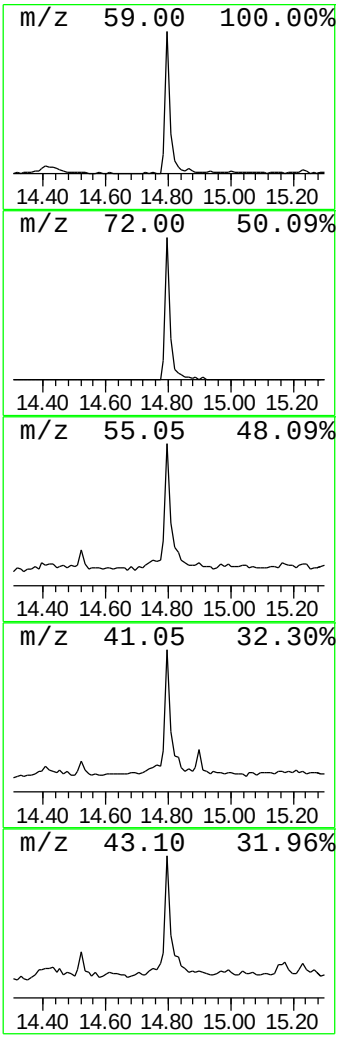
****

Peak Number 10 9-Octadecenamide, (Z)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	9.00 ng	467607	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	96
2	Dodecanamide	199	C12H25NO	001120-16-7	86
3	Hexadecanamide	255	C16H33NO	000629-54-9	72
4	7-Nonenamide	155	C9H17NO	090949-53-4	64
5	Benzeneethanamine, 2-fluoro-.bet...	229	C11H16FNO3	061338-98-5	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091298.D
Acq On : 24 Nov 2016 2:00
Operator : UM/SJ
Sample : H5740-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(6.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

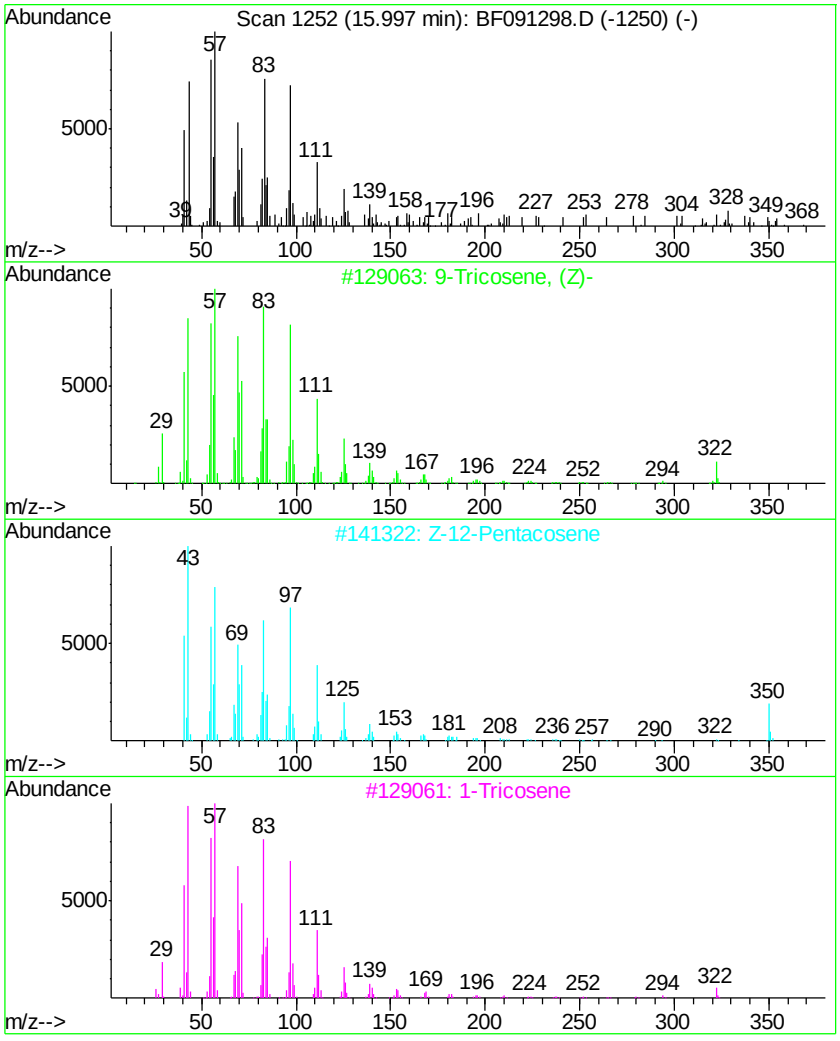
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

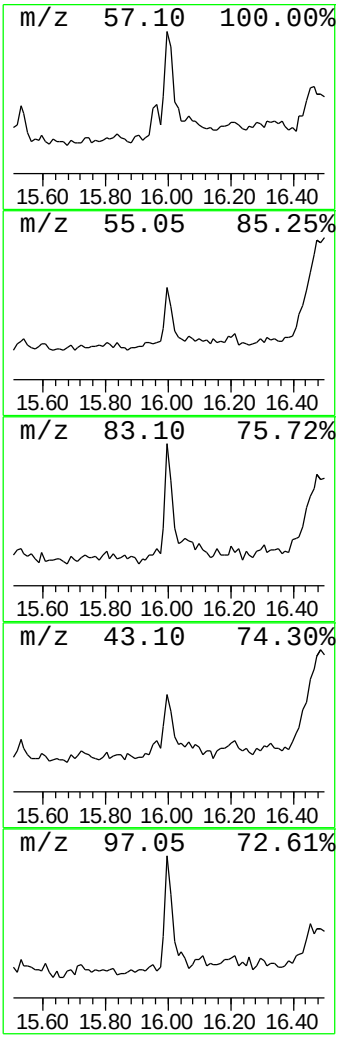
****

Peak Number 11 9-Tricosene, (Z)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	2.30 ng	119397	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-	322	C23H46	027519-02-4	98
2	Z-12-Pentacosene	350	C25H50	1000131-09-4	96
3	1-Tricosene	322	C23H46	018835-32-0	96
4	1-Heneicosyl formate	340	C22H44O2	077899-03-7	90
5	1-Docosanethiol	342	C22H46S	007773-83-3	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091298.D
Acq On : 24 Nov 2016 2:00
Operator : UM/SJ
Sample : H5740-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(6.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

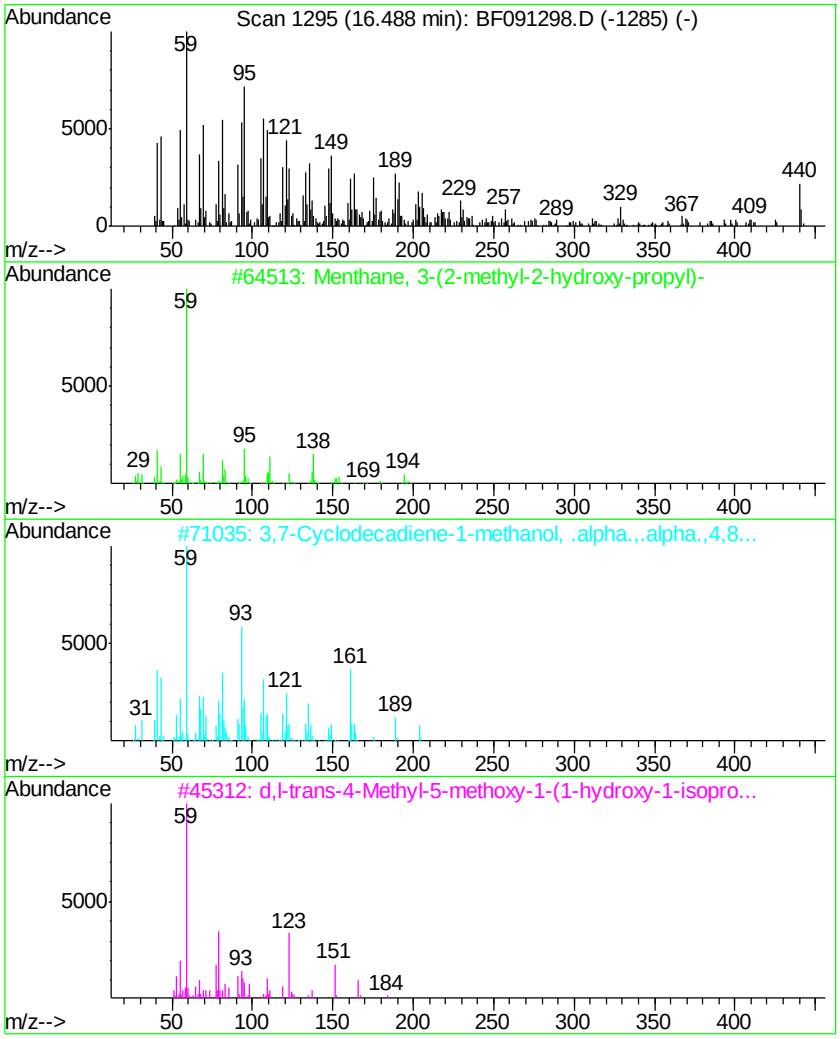
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

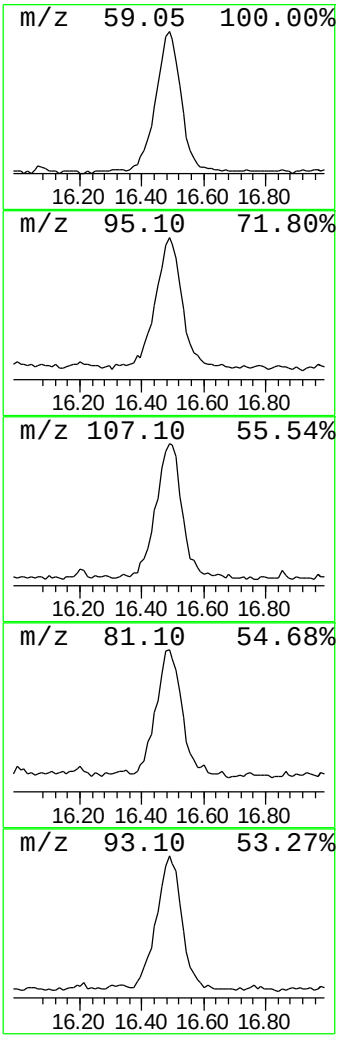
****

Peak Number 12 unknown16.49 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	48.75 ng	2532090	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Menthane, 3-(2-methyl-2-hydroxy-...	212	C14H28O	1000160-06-0	27
2	3,7-Cyclodecadiene-1-methanol, ...	222	C15H26O	021657-90-9	25
3	d,l-trans-4-Methyl-5-methoxy-1-(...	184	C11H20O2	1000101-22-2	25
4	2-Oxa-3-methylbicyclo(3.3.0)octane	140	C9H16O	029183-69-5	25
5	Butanal, oxime	87	C4H9NO	000110-69-0	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112316\
Data File : BF091298.D
Acq On : 24 Nov 2016 2:00
Operator : UM/SJ
Sample : H5740-14
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-06(6.5-7.5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF112316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 2,2-dime...	1.77	86.1	ng	5517100	1	6.88	1281680	20.0
2-Pentanone, 4-hy...	5.08	35.8	ng	2295360	1	6.88	1281680	20.0
unknown6.65	6.65	86.3	ng	5528360	1	6.88	1281680	20.0
Tridecanoic acid	11.94	4.1	ng	286430	4	11.40	1406420	20.0
Octadecanoic acid	12.72	2.3	ng	145988	5	14.03	1300540	20.0
1-Docosene	13.88	5.6	ng	365464	5	14.03	1300540	20.0
Indeno[1,2,3-fg]n...	14.18	3.7	ng	239318	5	14.03	1300540	20.0
9-Octadecenamide,...	14.80	9.0	ng	467607	6	15.47	1038850	20.0
9-Tricosene, (Z)-	16.00	2.3	ng	119397	6	15.47	1038850	20.0
unknown16.49	16.49	48.8	ng	2532090	6	15.47	1038850	20.0