LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085692.D
Acq On : 23 Mar 2016 7:51
Operator : UM/SJ
Sample : H1857-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(10-12)

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-BF031816.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	5.019	237	239	252	rVB	264004	477540	12.55%	1.470%
2	5.442	273	276	278	rBV	2794934	3515649	92.40%	10.825%
3	6.470	363	366	369	rBV	2661366	3113525	81.83%	9.587%
4	6.607	375	378	380	rBV	2464032	3603254	94.71%	11.095%
5	6.836	395	398	400	rBV	574969	738524	19.41%	2.274%
6	6.985	409	411	414	rBV	2362074	2593028	68.15%	7.984%
7	7.396	444	447	450	rBV	1934581	2231150	58.64%	6.870%
8	8.116	507	510	512	rBV	1232480	1052844	27.67%	3.242%
9	9.191	601	604	607	rBV	2857311	3804669	100.00%	11.715%
10	9.591	637	639	641	rBV	593763	580430	15.26%	1.787%
11	9.808	655	658	660	rBV	59250	71062	1.87%	0.219%
12	9.865	661	663	666	rVB	1018507	1081738	28.43%	3.331%
13	10.299	699	701	703	rVB	137715	124422	3.27%	0.383%
14	10.516	718	720	724	rBV	54924	94288	2.48%	0.290%
15	10.665	729	733	735	rBV2	1653936	2418210	63.56%	7.446%
16	10.768	741	742	749	rVB	111000	202385	5.32%	0.623%
17	11.225	780	782	783	rBV	46771	58084	1.53%	0.179%
18	11.351	791	793	795	rBV	1254334	1049128	27.57%	3.230%
19	11.876	838	839	844	rBV2	150526	224772	5.91%	0.692%
20	12.665	905	908	914	rBV	33275	52028	1.37%	0.160%
21	12.939	929	932	934	rBV	2553840	2968858	78.03%	9.142%
22	13.294	953	963	968	rVV4	11170	63934	1.68%	0.197%
23	13.831	1007	1010	1018	rBV2	190302	419303	11.02%	1.291%
24	13.980	1021	1023	1026	rVV	755967	749490	19.70%	2.308%
25	14.048	1026	1029	1034	rVB3	32070	128162	3.37%	0.395%
26	14.265	1046	1048	1050	rBV	78989	131637	3.46%	0.405%
27	14.471	1062	1066	1072	rBV7	24499	92599	2.43%	0.285%
28	14.882	1101	1102	1105	rVB	62961	60977	1.60%	0.188%
29	15.397	1144	1147	1150	rBV	516949	636126	16.72%	1.959%
30	15.614	1163	1166	1169	rVB2	29994	44818	1.18%	0.138%
31	16.643	1253	1256	1260	rVB5	20446	40387	1.06%	0.124%
32	17.340	1313	1317	1323	rBV8	15546	53049	1.39%	0.163%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085692.D
Acq On : 23 Mar 2016 7:51
Operator : UM/SJ
Sample : H1857-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-04(10-12)

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-BF031816.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 32476070

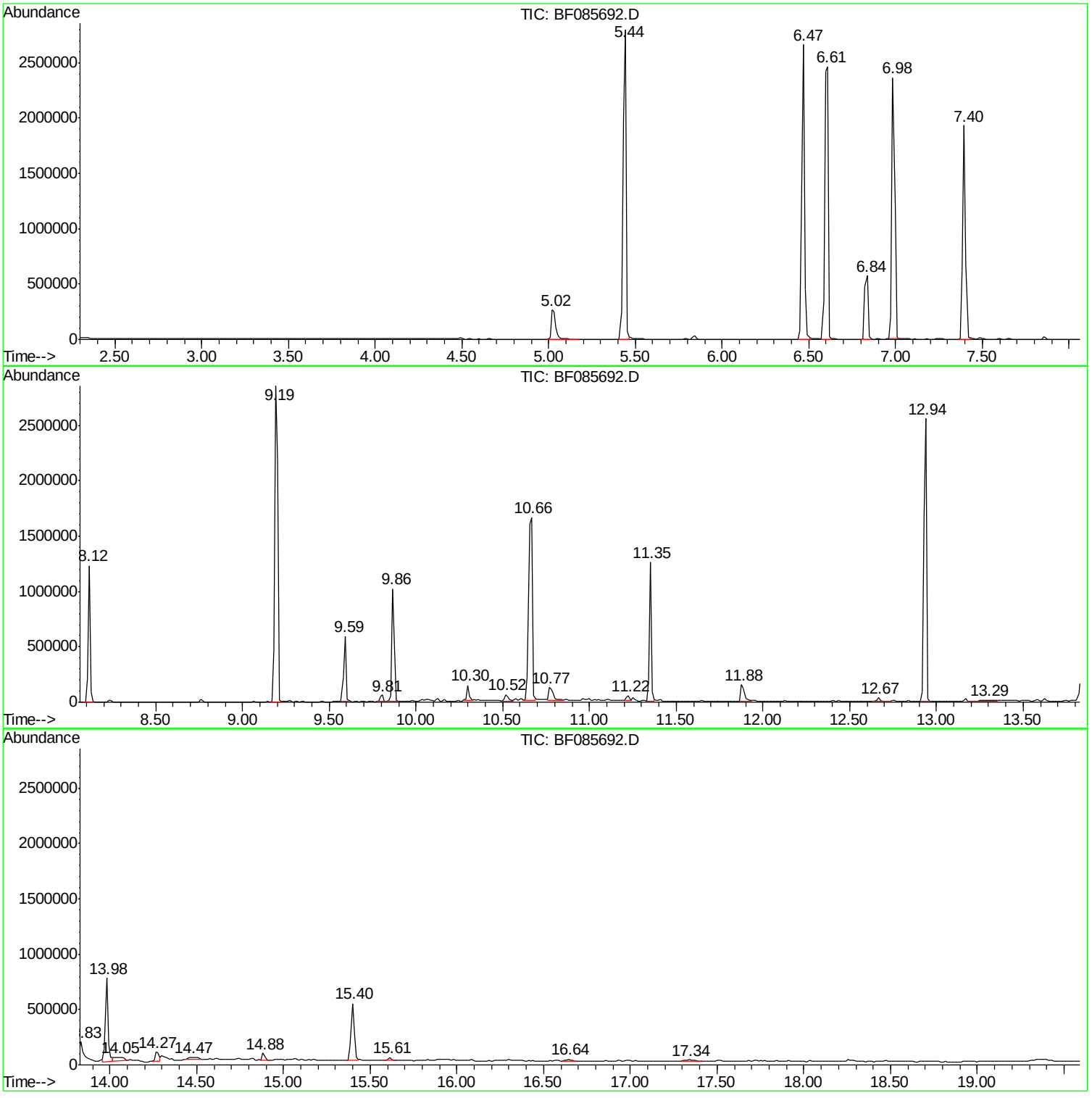
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085692.D
Acq On : 23 Mar 2016 7:51
Operator : UM/SJ
Sample : H1857-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-04(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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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Data File : BF085692.D
Acq On : 23 Mar 2016 7:51
Operator : UM/SJ
Sample : H1857-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

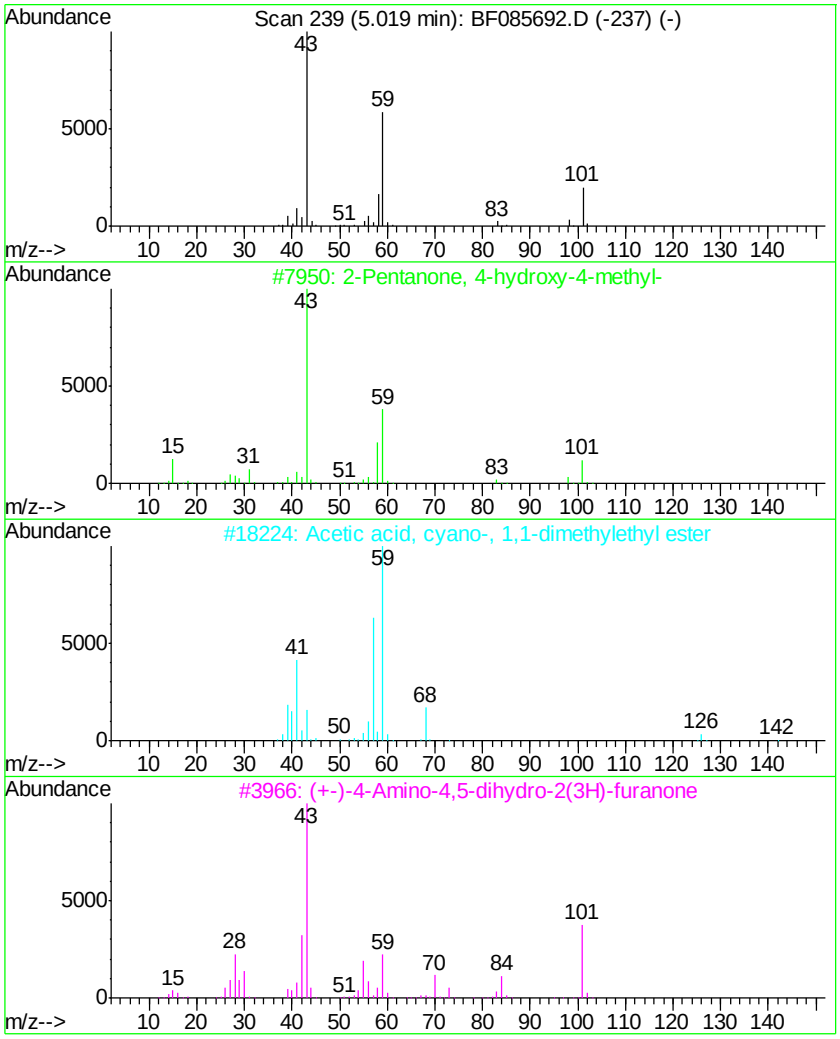
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

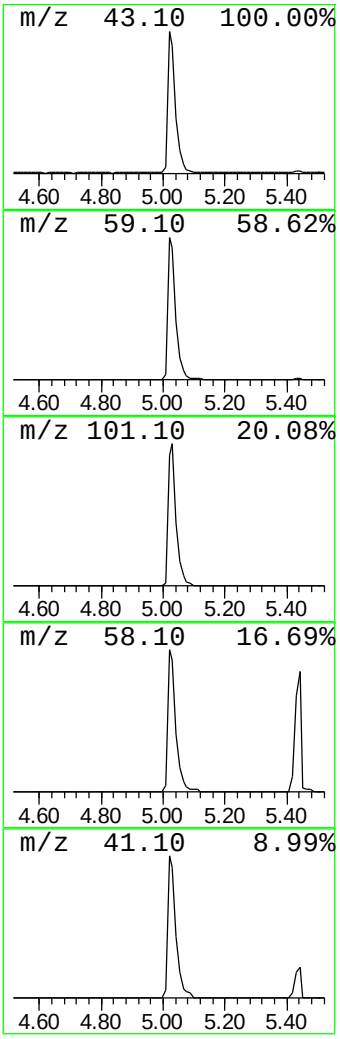
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	12.93 ng	477540	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085692.D
Acq On : 23 Mar 2016 7:51
Operator : UM/SJ
Sample : H1857-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

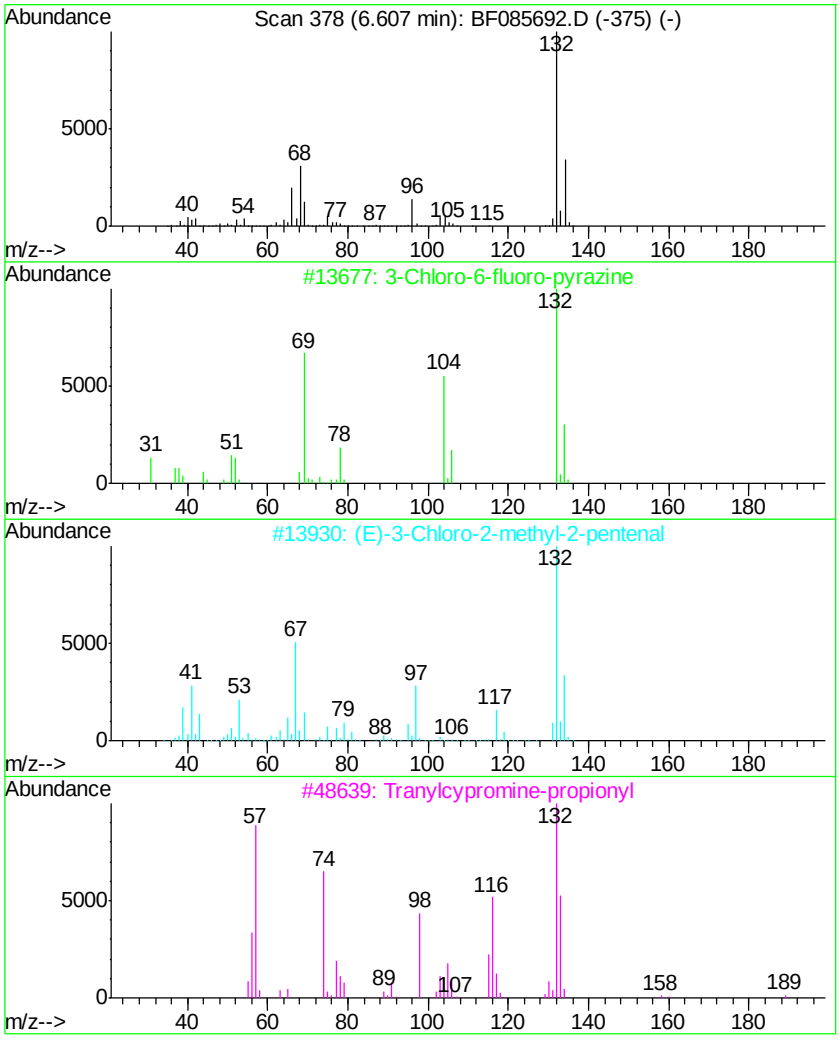
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

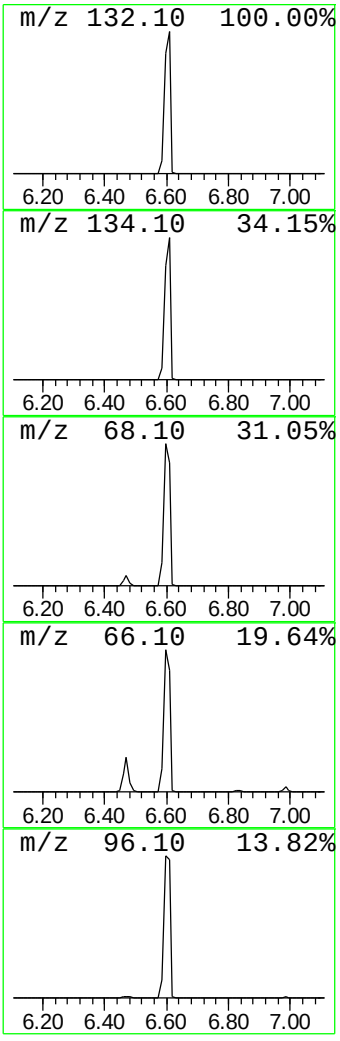
****

Peak Number 2 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	97.58 ng	3603250	1,4-Dichlorobenzene-d4	6.84

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	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085692.D
Acq On : 23 Mar 2016 7:51
Operator : UM/SJ
Sample : H1857-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

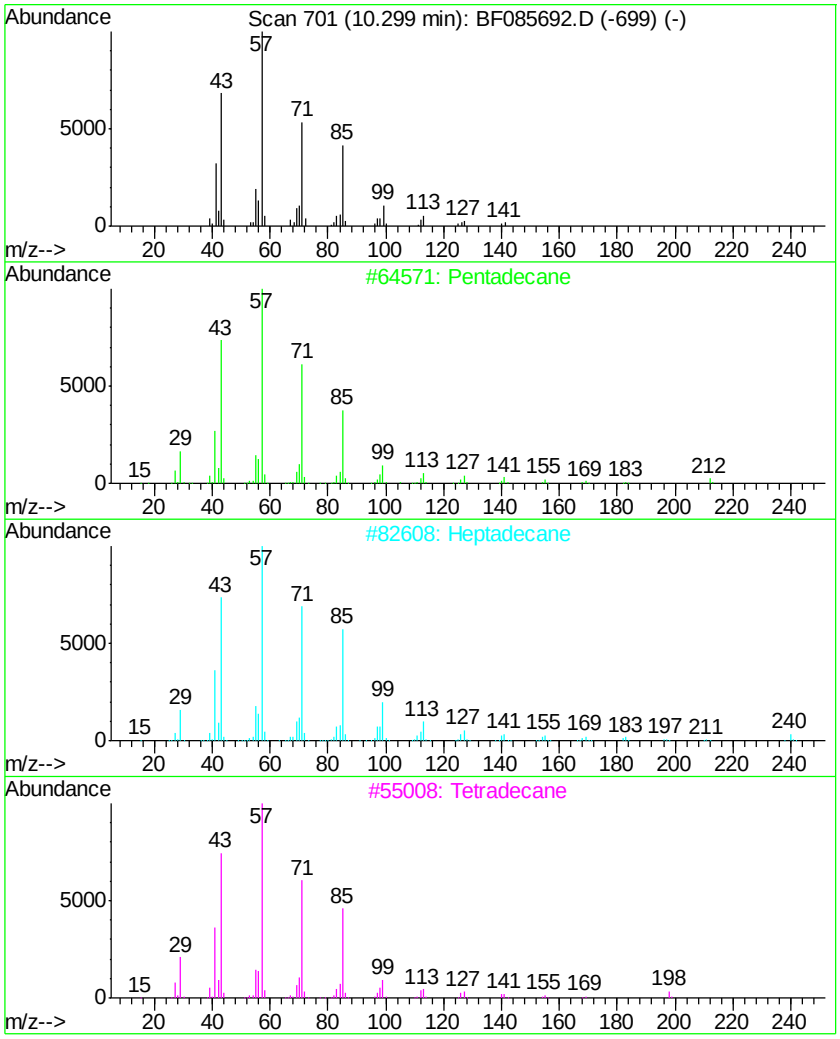
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

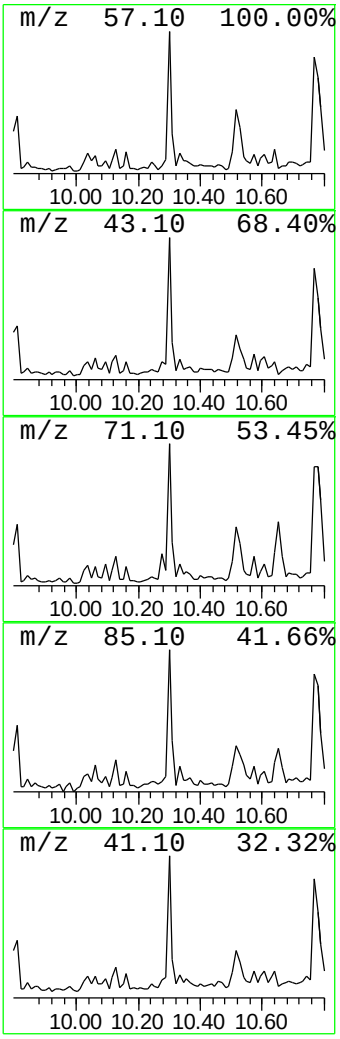
****

Peak Number 4 Pentadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	2.30 ng	124422	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	90
2	Heptadecane	240	C17H36	000629-78-7	90
3	Tetradecane	198	C14H30	000629-59-4	87
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
5	Eicosane	282	C20H42	000112-95-8	83





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085692.D
Acq On : 23 Mar 2016 7:51
Operator : UM/SJ
Sample : H1857-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

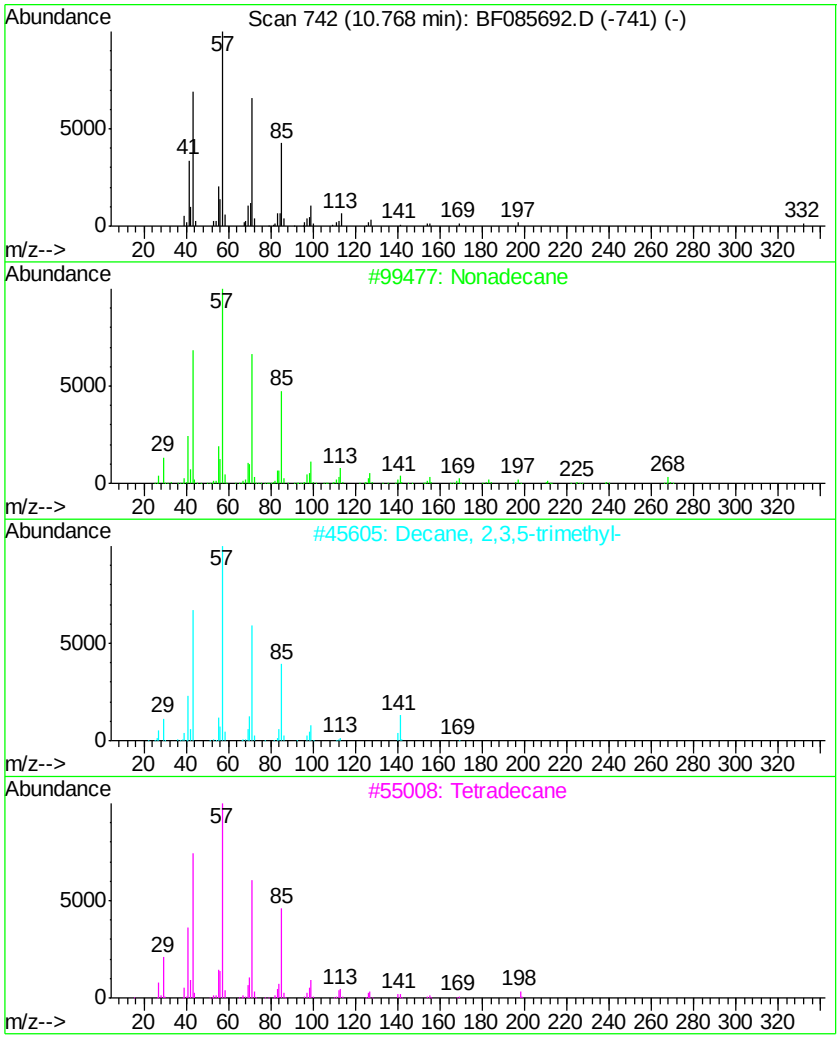
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

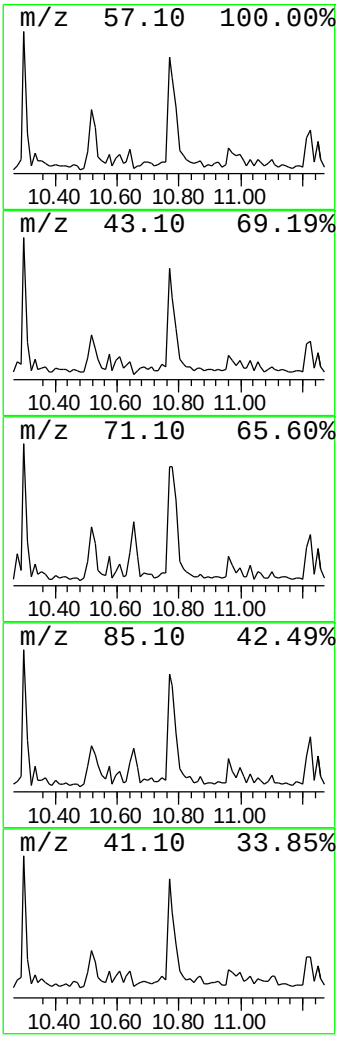
****

Peak Number 5 Nonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	3.86 ng	202385	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
3	Tetradecane	198	C14H30	000629-59-4	86
4	Pentadecane	212	C15H32	000629-62-9	86
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085692.D
Acq On : 23 Mar 2016 7:51
Operator : UM/SJ
Sample : H1857-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

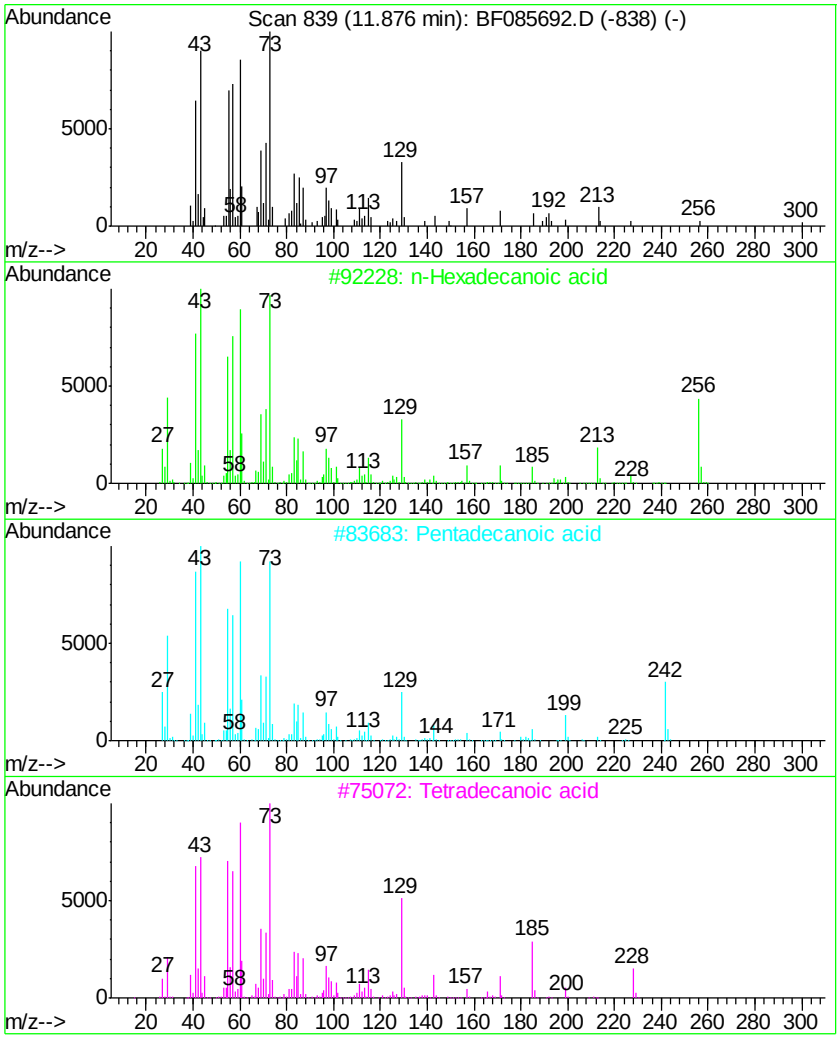
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

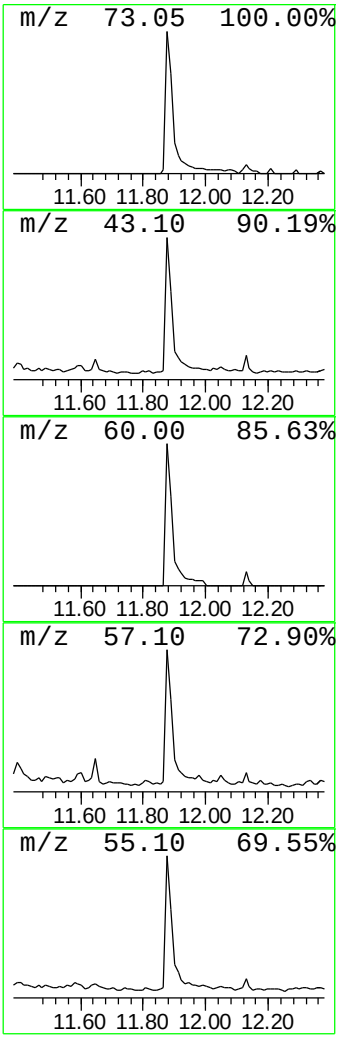
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.28 ng	224772	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	Undecanoic acid	186	C11H22O2	000112-37-8	80
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





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Data File : BF085692.D
Acq On : 23 Mar 2016 7:51
Operator : UM/SJ
Sample : H1857-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

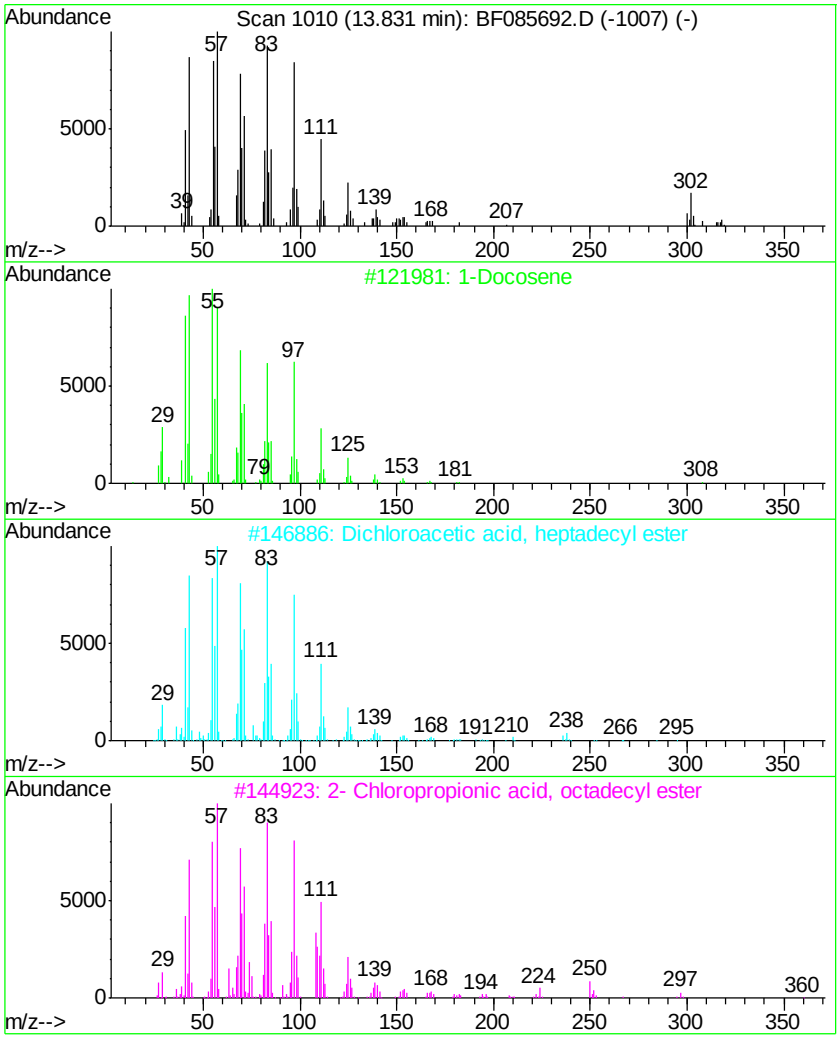
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

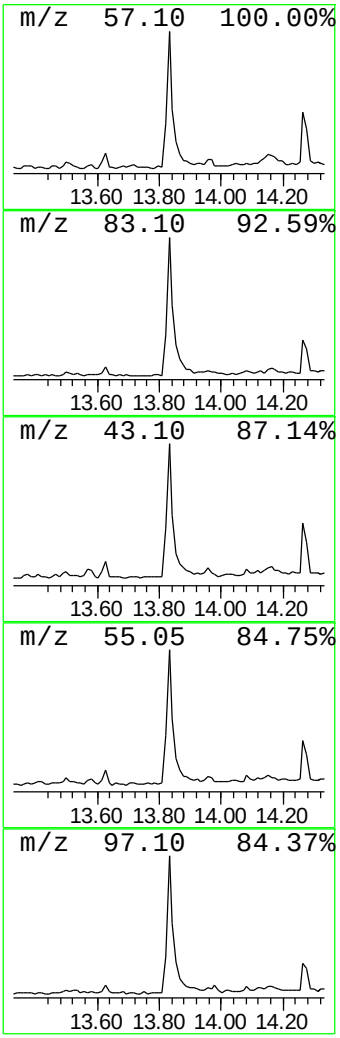
****

Peak Number 7 1-Docosene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	11.19 ng	419303	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene	308	C22H44	001599-67-3	95
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	95
3	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	94
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	94
5	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	94





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
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Acq On : 23 Mar 2016 7:51
Operator : UM/SJ
Sample : H1857-04
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Instrument : BNA_F
ClientSampleId : SB-04(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

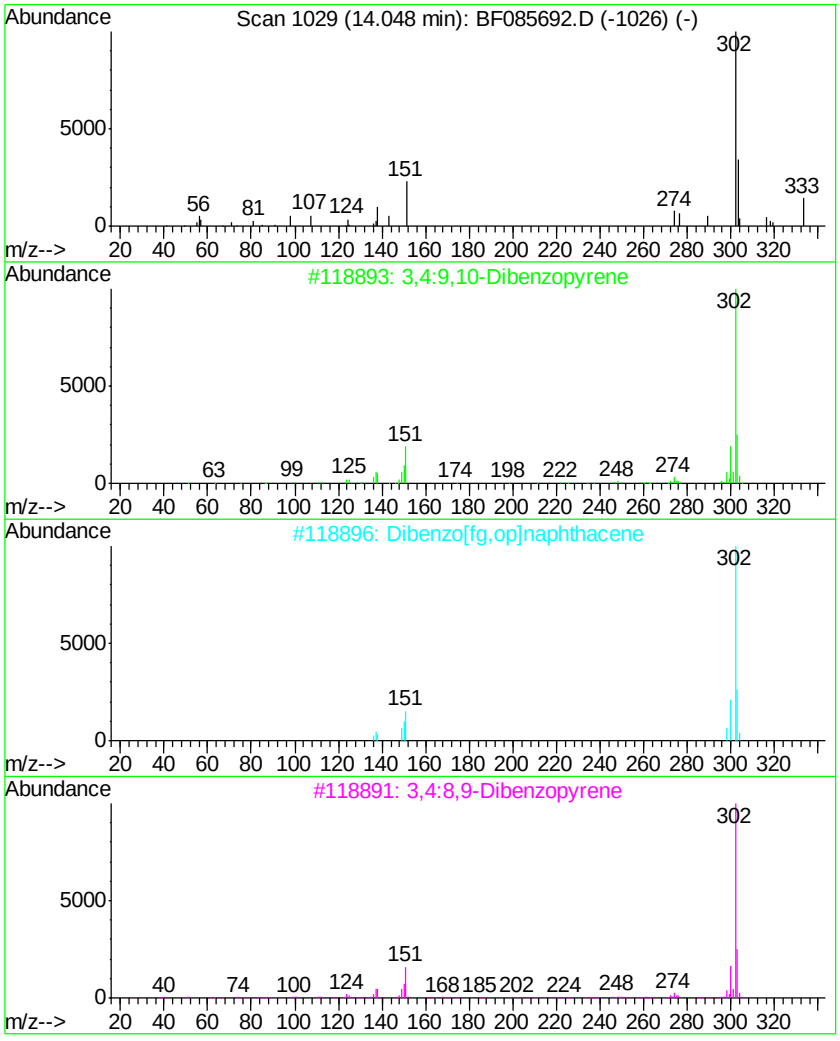
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

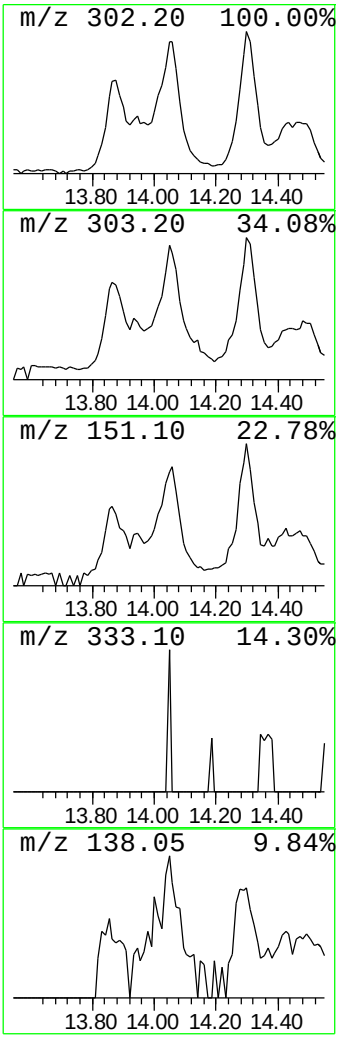
****

Peak Number 8 3,4:9,10-Dibenzopyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	3.42 ng	128162	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	72
2	Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	59
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	56
4	Benzaldehyde hydrazone,4-methoxy...	302	C15H18N4O3	052421-35-9	53
5	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085692.D
Acq On : 23 Mar 2016 7:51
Operator : UM/SJ
Sample : H1857-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

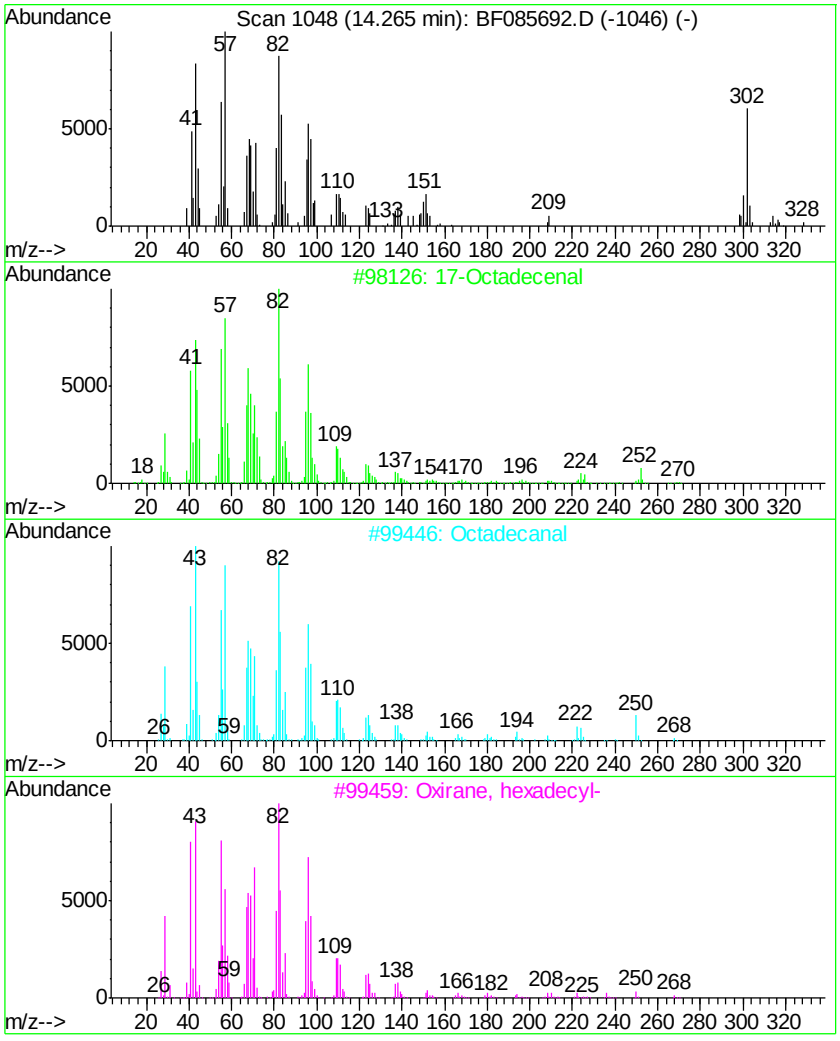
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

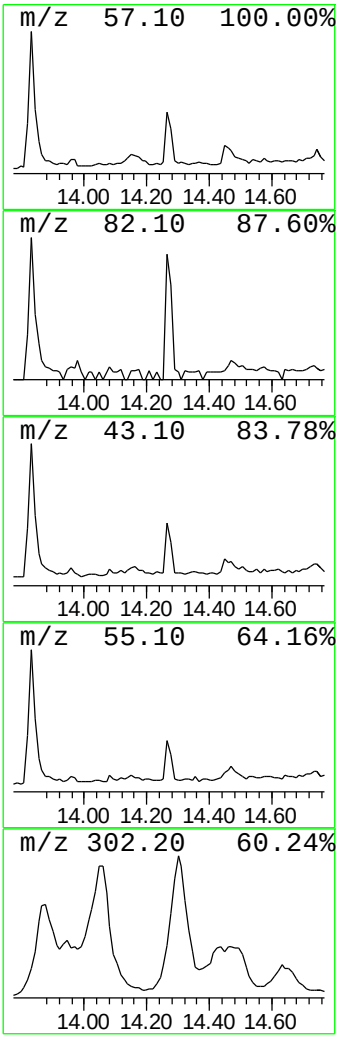
****

Peak Number 9 17-Octadecenal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	3.51 ng	131637	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Octadecenal	266	C18H34O	056554-86-0	81
2	Octadecanal	268	C18H36O	000638-66-4	70
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	64
4	Pentadecanal-	226	C15H30O	002765-11-9	64
5	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	62





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Data File : BF085692.D
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Sample : H1857-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

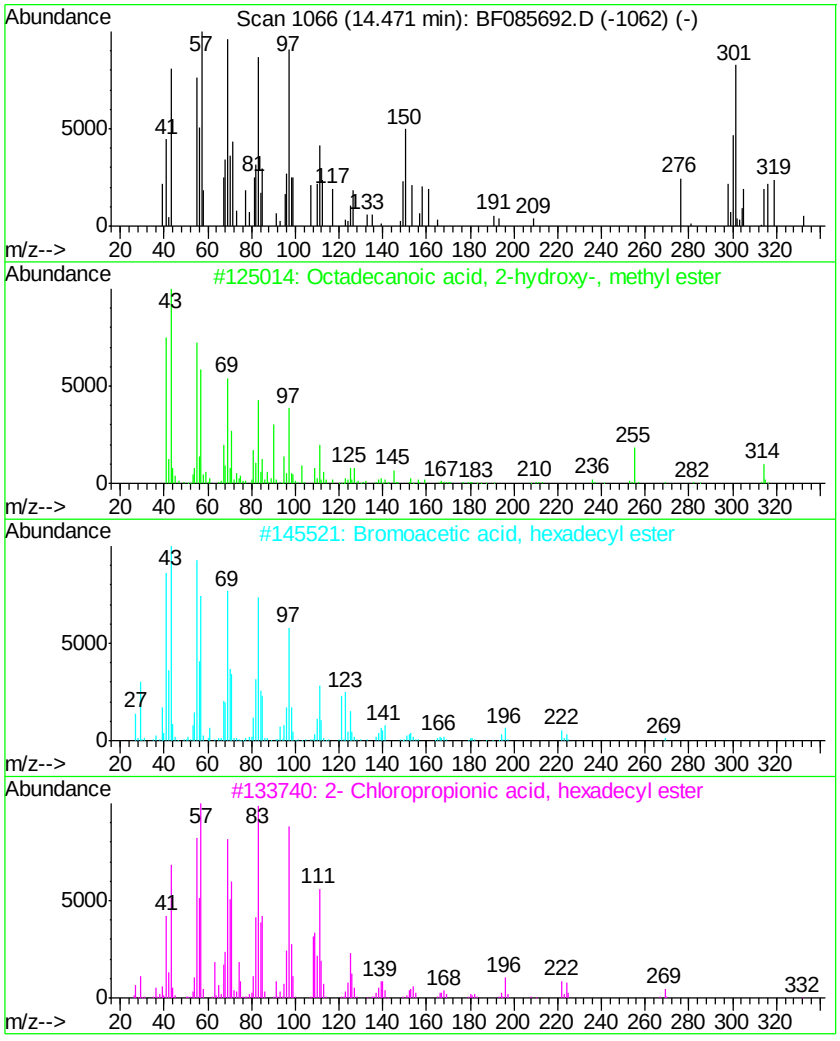
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

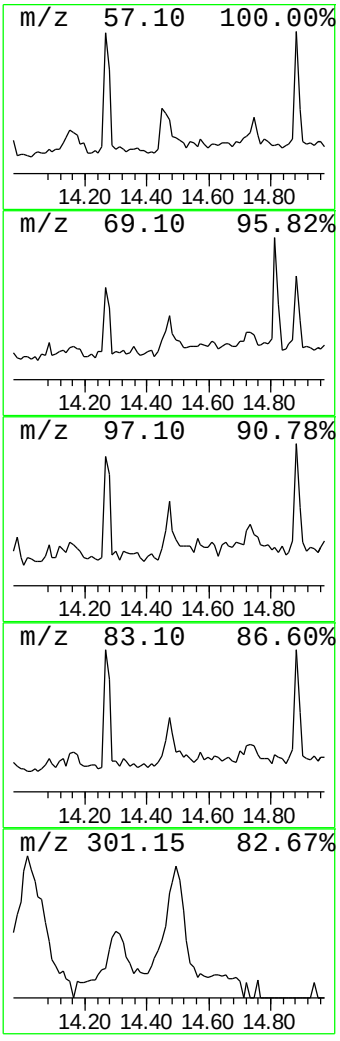
****

Peak Number 10 unknown14.47 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	2.47 ng	92599	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid, 2-hydroxy-, m...	314	C19H38O3	002420-35-1	22
2	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	20
3	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	18
4	Chloroacetic acid, pentadecyl ester	304	C17H33ClO2	070301-47-2	18
5	Trichloroacetic acid, undecyl ester	316	C13H23Cl3O2	074339-49-4	15





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085692.D
Acq On : 23 Mar 2016 7:51
Operator : UM/SJ
Sample : H1857-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-04(10-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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
2-Pentanone, 4-hy...	5.02	12.9	ng	477540	1	6.84	738524	20.0
unknown6.61	6.61	97.6	ng	3603250	1	6.84	738524	20.0
Pentadecane	10.30	2.3	ng	124422	3	9.86	1081740	20.0
Nonadecane	10.77	3.9	ng	202385	4	11.35	1049130	20.0
n-Hexadecanoic acid	11.88	4.3	ng	224772	4	11.35	1049130	20.0
1-Docosene	13.83	11.2	ng	419303	5	13.98	749490	20.0
3,4:9,10-Dibenzop...	14.05	3.4	ng	128162	5	13.98	749490	20.0
17-Octadecenal	14.27	3.5	ng	131637	5	13.98	749490	20.0
unknown14.47	14.47	2.5	ng	92599	5	13.98	749490	20.0