LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045367.D
Acq On : 13 May 2020 18:35
Operator : CG/JU
Sample : L2593-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FK-GF-02-057-A

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_G\METHODS\8270-BG041520.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	3.133	3	7	15	rVB	70248	118412	3.32%	0.375%
2	5.283	367	373	382	rBV	195044	346167	9.70%	1.098%
3	5.547	411	418	432	rVB	942421	1615301	45.27%	5.121%
4	7.145	682	690	702	rBV	1034133	1887469	52.90%	5.984%
5	7.973	824	831	838	rBV	305483	526846	14.76%	1.670%
6	8.302	876	887	896	rBV	891610	1656912	46.44%	5.253%
7	9.136	1020	1029	1039	rBV	668549	1261707	35.36%	4.000%
8	9.583	1092	1105	1115	rBV3	30312	66165	1.85%	0.210%
9	10.781	1302	1309	1323	rVB	402358	766402	21.48%	2.430%
10	11.421	1408	1418	1427	rBV4	36946	82421	2.31%	0.261%
11	13.236	1718	1727	1734	rBV	1921084	3161221	88.59%	10.023%
12	14.065	1862	1868	1873	rBV	178580	274803	7.70%	0.871%
13	14.341	1910	1915	1921	rVB2	25081	42153	1.18%	0.134%
14	14.523	1940	1946	1953	rBV10	17157	45537	1.28%	0.144%
15	14.617	1955	1962	1969	rVB2	644517	1050475	29.44%	3.331%
16	14.928	2010	2015	2020	rBV	39884	58519	1.64%	0.186%
17	15.040	2027	2034	2040	rBV4	49935	90192	2.53%	0.286%
18	15.410	2092	2097	2100	rBV7	18458	37010	1.04%	0.117%
19	15.663	2136	2140	2144	rBV4	26018	39293	1.10%	0.125%
20	16.109	2209	2216	2229	rBV	1527530	2373214	66.51%	7.524%
21	16.332	2251	2254	2266	rVB6	33562	86838	2.43%	0.275%
22	16.573	2290	2295	2299	rBV7	22330	40516	1.14%	0.128%
23	16.767	2325	2328	2334	rBV5	41563	61204	1.72%	0.194%
24	17.125	2385	2389	2394	rVB7	29422	47409	1.33%	0.150%
25	17.366	2424	2430	2434	rBV	712701	1143515	32.05%	3.626%
26	17.407	2434	2437	2444	rVV	379393	521891	14.63%	1.655%
27	17.495	2448	2452	2457	rVB	77242	111631	3.13%	0.354%
28	17.942	2525	2528	2534	rBV8	30079	45745	1.28%	0.145%
29	18.247	2575	2580	2581	rBV	130508	186210	5.22%	0.590%
30	18.271	2581	2584	2595	rVB2	291500	504756	14.15%	1.600%
31	18.441	2607	2613	2617	rBV2	111751	218076	6.11%	0.691%
32	18.641	2644	2647	2650	rBV5	40015	51173	1.43%	0.162%
33	18.741	2660	2664	2668	rBV	87133	114121	3.20%	0.362%
34	18.776	2668	2670	2677	rVB7	39759	69079	1.94%	0.219%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045367.D
Acq On : 13 May 2020 18:35
Operator : CG/JU
Sample : L2593-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FK-GF-02-057-A

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_G\METHODS\8270-BG041520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.293	2755	2758	2763	rBV2	63549	99941	2.80%	0.317%
36	19.422	2774	2780	2786	rBV	1254051	1860988	52.15%	5.900%
37	19.569	2801	2805	2809	rVB3	178746	234742	6.58%	0.744%
38	19.781	2829	2841	2849	rBV2	1076412	2265502	63.49%	7.183%
39	19.857	2850	2854	2859	rVB3	61415	97202	2.72%	0.308%
40	19.980	2869	2875	2881	rBV	2722722	3568226	100.00%	11.313%
41	21.032	3051	3054	3059	rVB	154245	216009	6.05%	0.685%
42	21.284	3094	3097	3105	rVB3	253129	438366	12.29%	1.390%
43	21.619	3148	3154	3160	rBV4	861649	2184723	61.23%	6.927%
44	21.678	3160	3164	3174	rVB	462873	840768	23.56%	2.666%
45	23.799	3521	3525	3532	rBV	212205	455958	12.78%	1.446%
46	24.803	3691	3696	3703	rVB2	256784	575552	16.13%	1.825%

Sum of corrected areas: 31540360

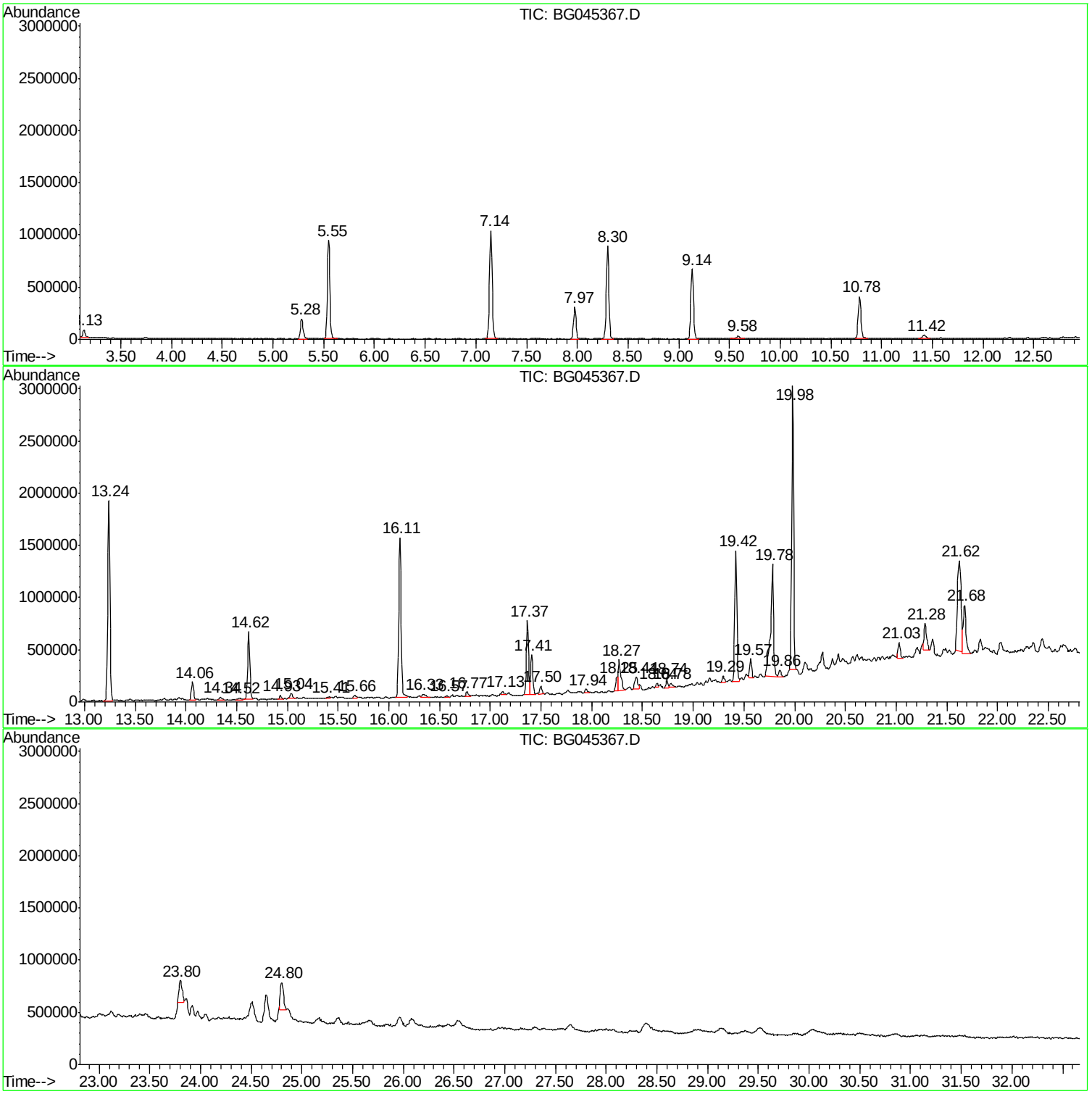
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045367.D
Acq On : 13 May 2020 18:35
Operator : CG/JU
Sample : L2593-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FK-GF-02-057-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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 G\DATA\BG051220\
Data File : BG045367.D
Acq On : 13 May 2020 18:35
Operator : CG/JU
Sample : L2593-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FK-GF-02-057-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

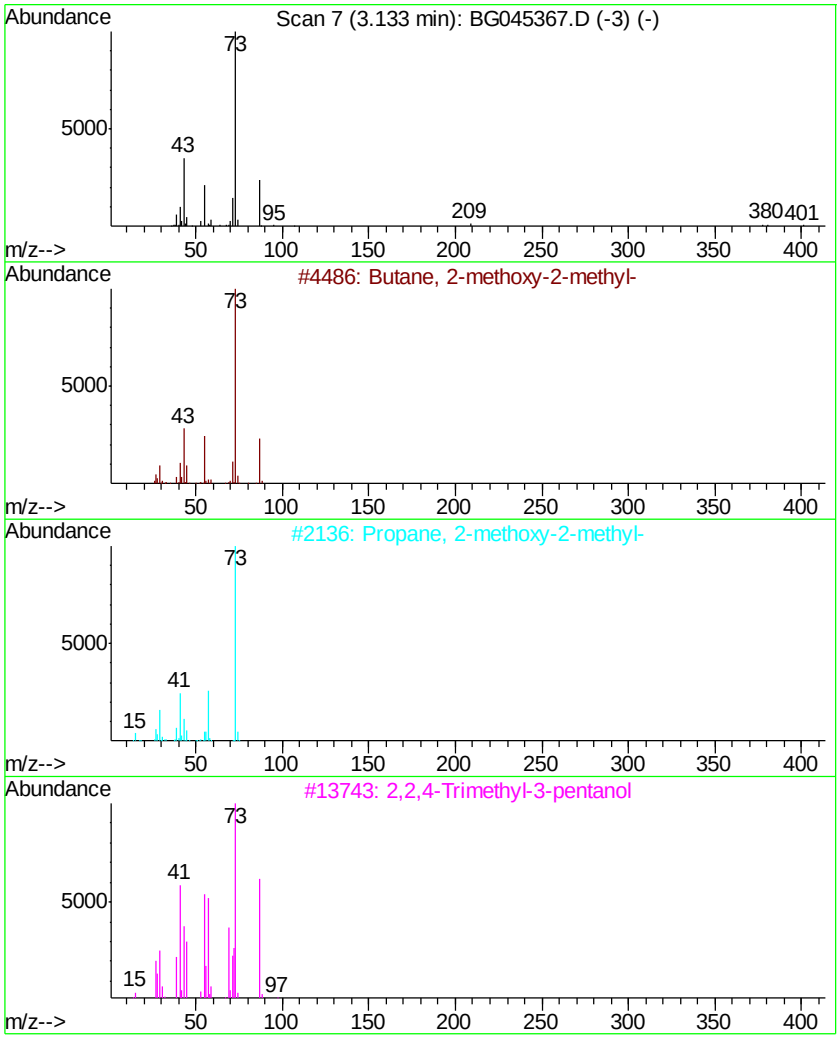
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

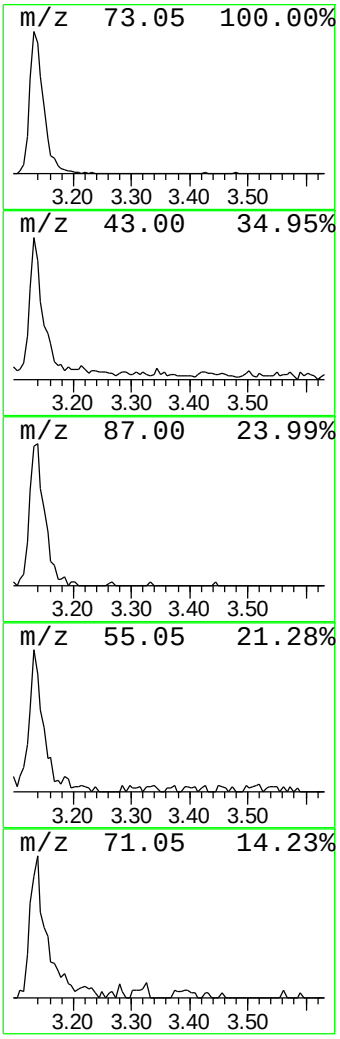
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	4.50 ng	118412	1,4-Dichlorobenzene-d4	7.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	50
2	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	9
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	7
5	N-Ethylformamide	73	C3H7NO	000627-45-2	5





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045367.D
Acq On : 13 May 2020 18:35
Operator : CG/JU
Sample : L2593-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FK-GF-02-057-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

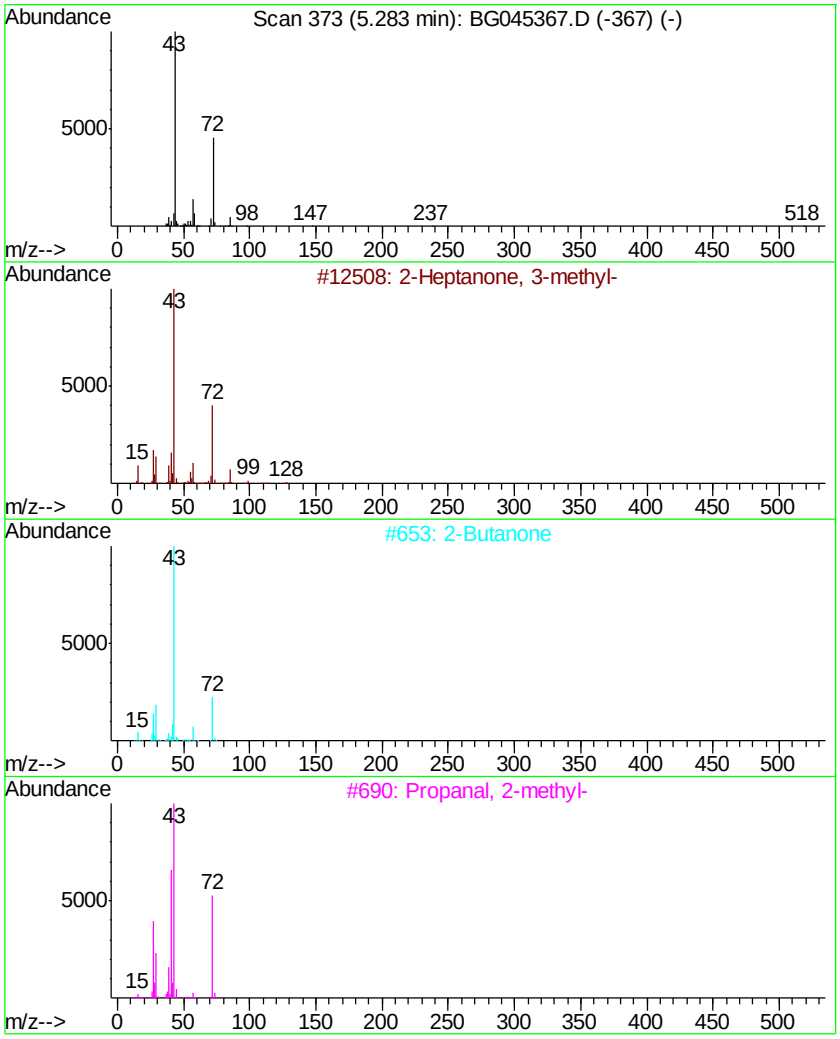
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

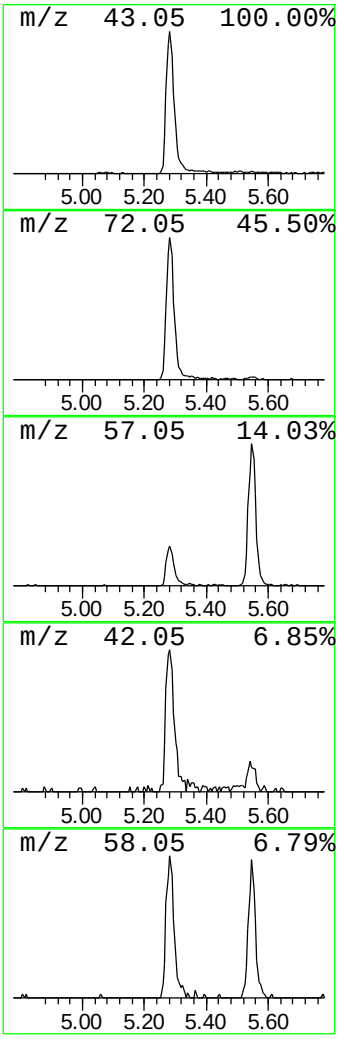
****

Peak Number 2 2-Heptanone, 3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.28	13.14 ng	346167	1,4-Dichlorobenzene-d4	7.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 3-methyl-	128	C8H16O	002371-19-9	64
2	2-Butanone	72	C4H8O	000078-93-3	59
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	53
4	5,9-Dodecadien-2-one, 6,10-dimet...	208	C14H24O	1000132-10-9	47
5	2-Hexanone, 3,4-dimethyl-	128	C8H16O	019550-10-8	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045367.D
Acq On : 13 May 2020 18:35
Operator : CG/JU
Sample : L2593-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FK-GF-02-057-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

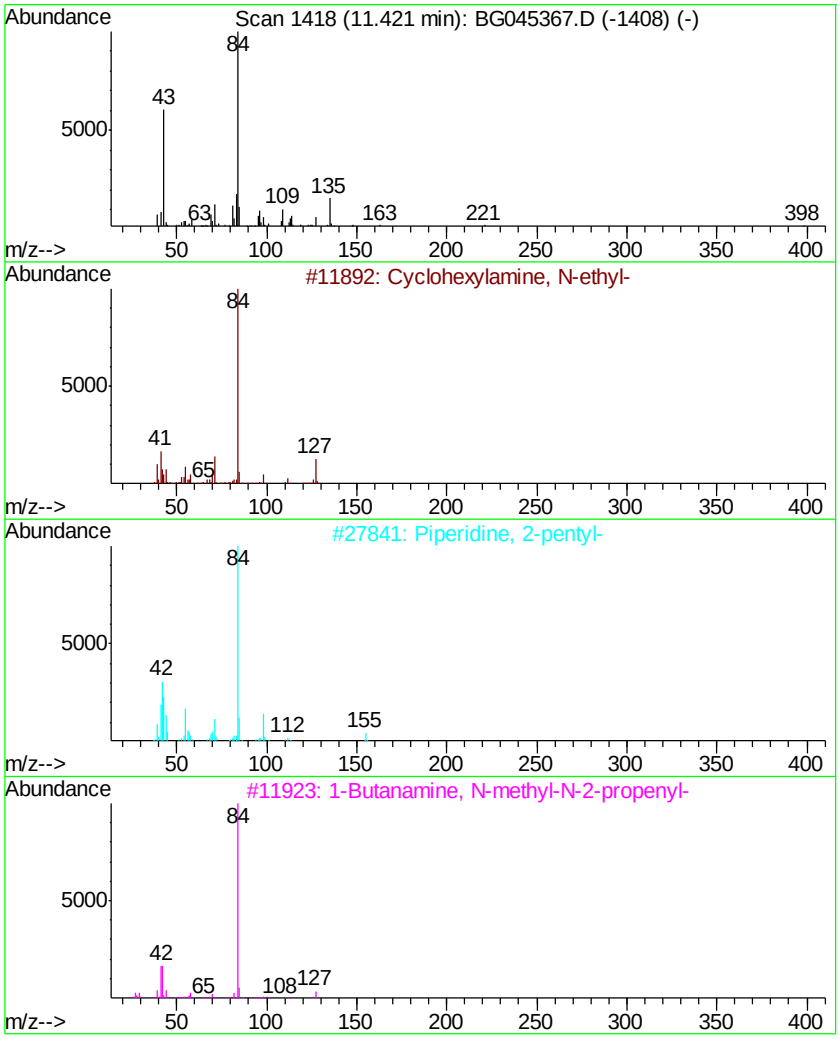
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

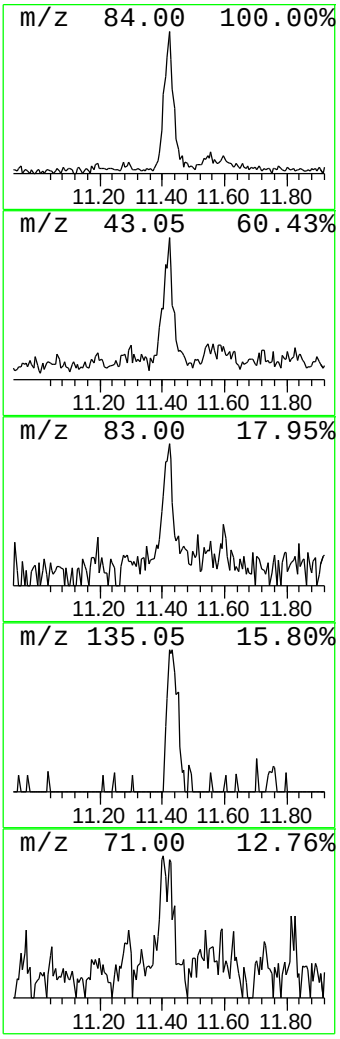
****

Peak Number 4 Cyclohexylamine, N-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	2.15 ng	82421	Naphthalene-d8	10.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexylamine, N-ethyl-	127	C8H17N	005459-93-8	50
2	Piperidine, 2-pentyl-	155	C10H21N	033354-97-1	50
3	1-Butanamine, N-methyl-N-2-prope...	127	C8H17N	024209-62-9	50
4	2-Piperidinemethanol	115	C6H13NO	003433-37-2	47
5	1-Butylpyrrolidine	127	C8H17N	000767-10-2	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045367.D
Acq On : 13 May 2020 18:35
Operator : CG/JU
Sample : L2593-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FK-GF-02-057-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

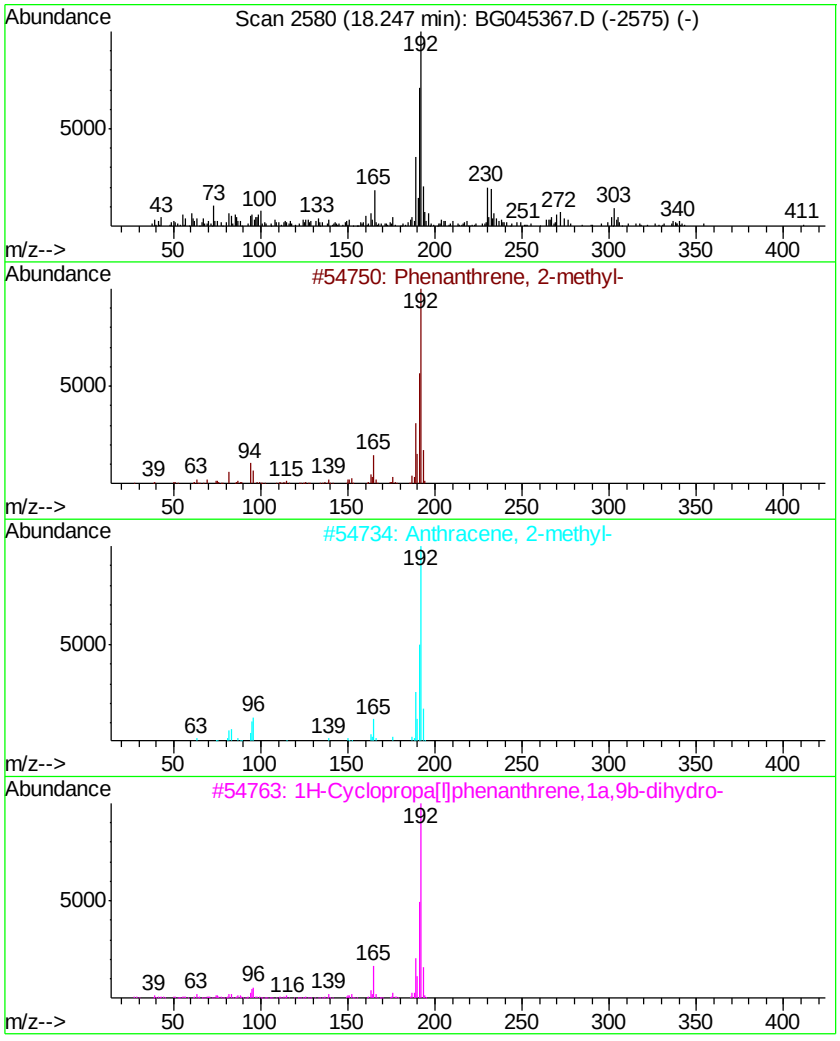
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

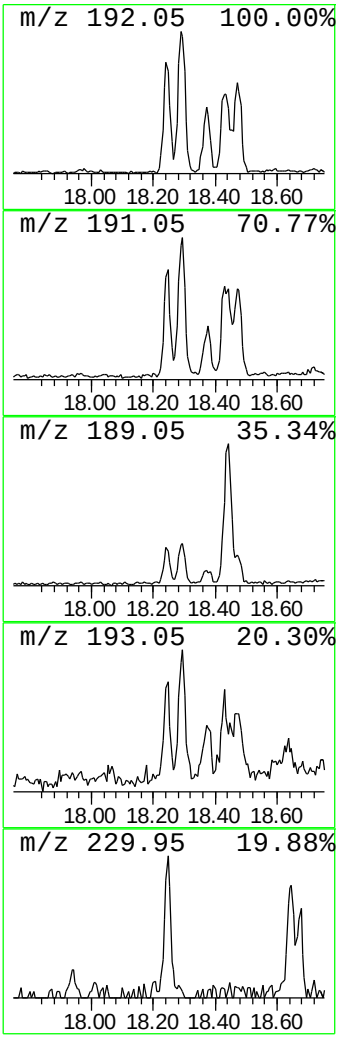
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	3.26 ng	186210	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045367.D
Acq On : 13 May 2020 18:35
Operator : CG/JU
Sample : L2593-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FK-GF-02-057-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

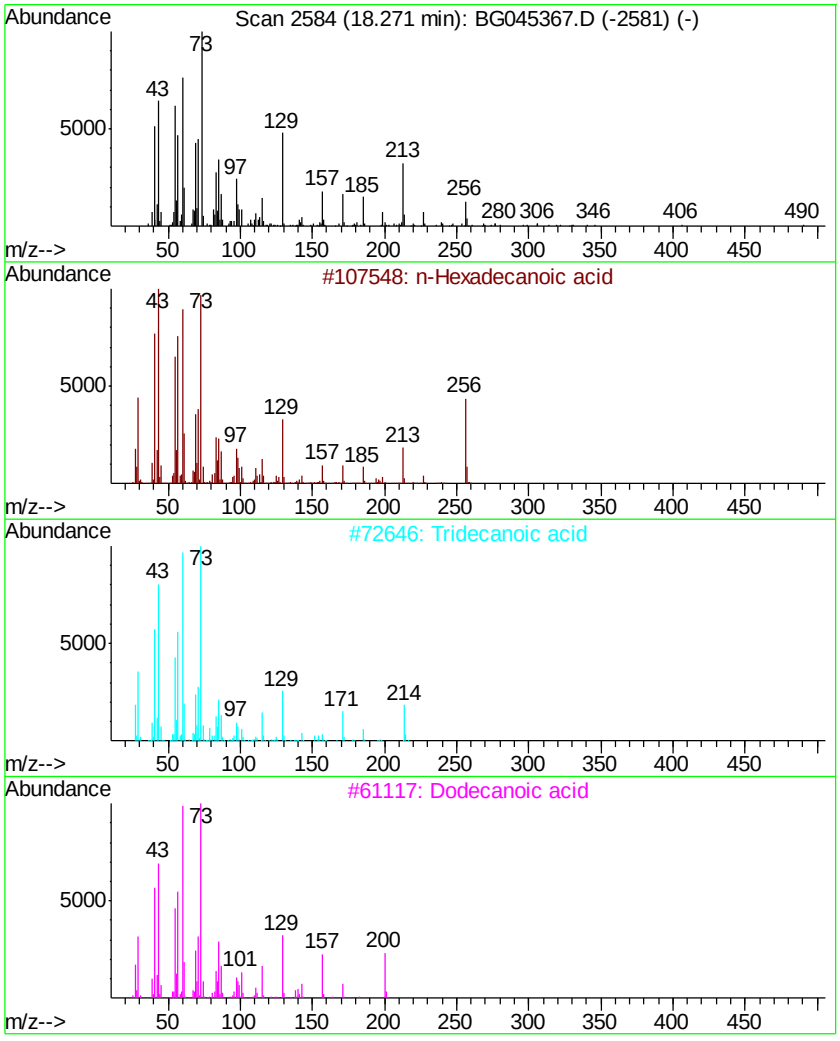
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

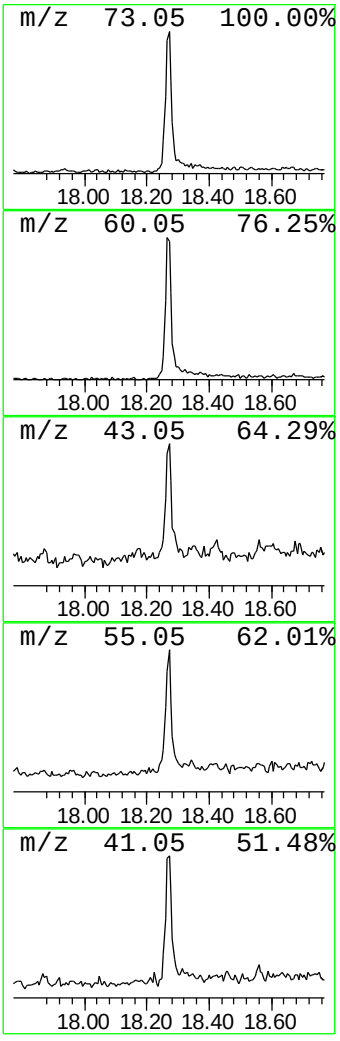
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	8.83 ng	504756	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Tridecanoic acid	214	C13H26O2	000638-53-9	76
3	Dodecanoic acid	200	C12H24O2	000143-07-7	59
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	47
5	Nonanoic acid	158	C9H18O2	000112-05-0	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045367.D
Acq On : 13 May 2020 18:35
Operator : CG/JU
Sample : L2593-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FK-GF-02-057-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

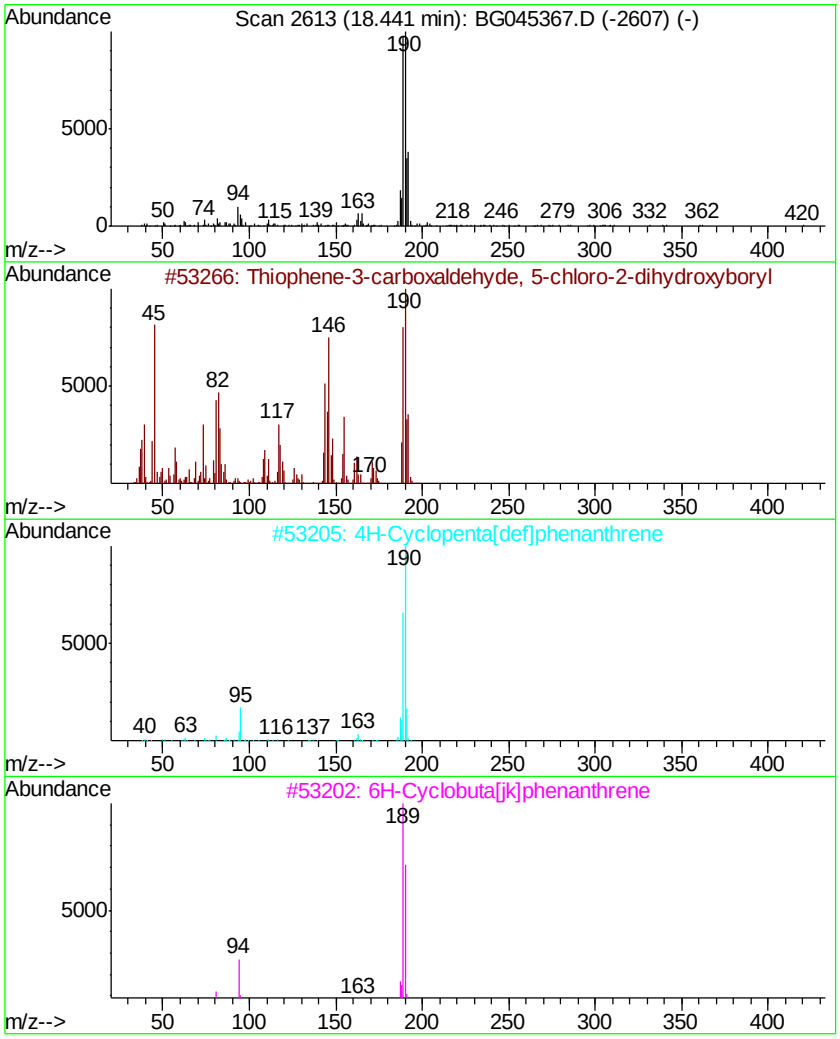
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

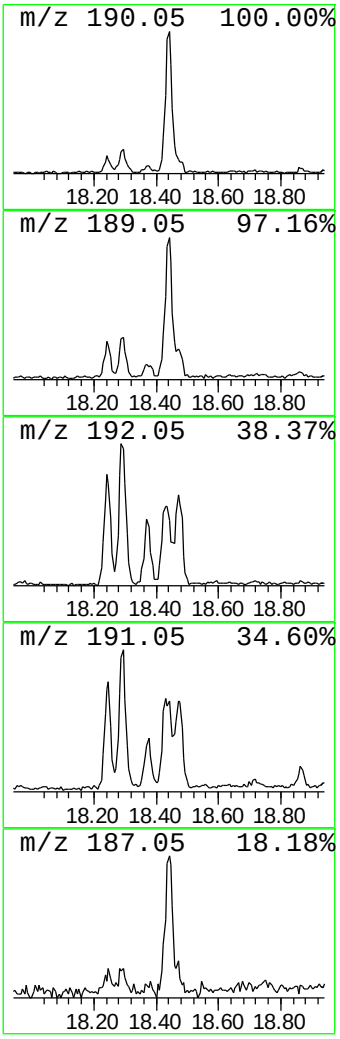
****

Peak Number 7 Thiophene-3-carboxaldehyde,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	3.81 ng	218076	Phenanthrene-d10	17.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045367.D
Acq On : 13 May 2020 18:35
Operator : CG/JU
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Misc :
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Instrument : BNA_G
ClientSampleId : FK-GF-02-057-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

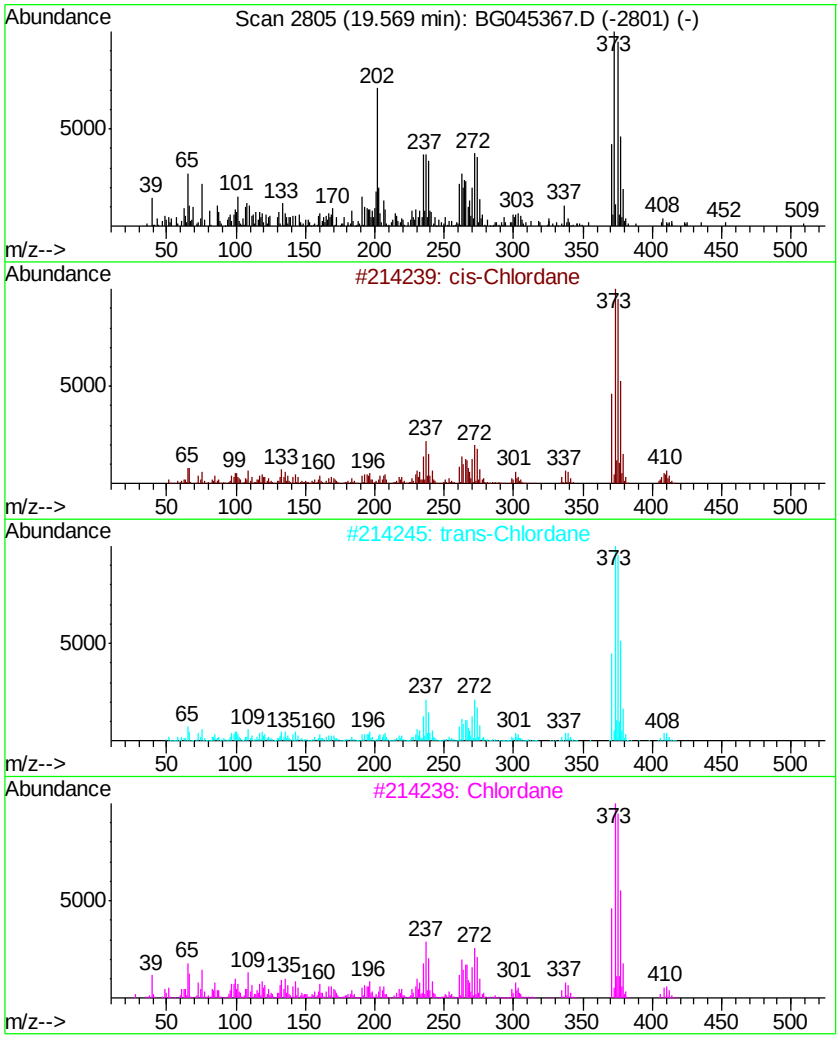
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

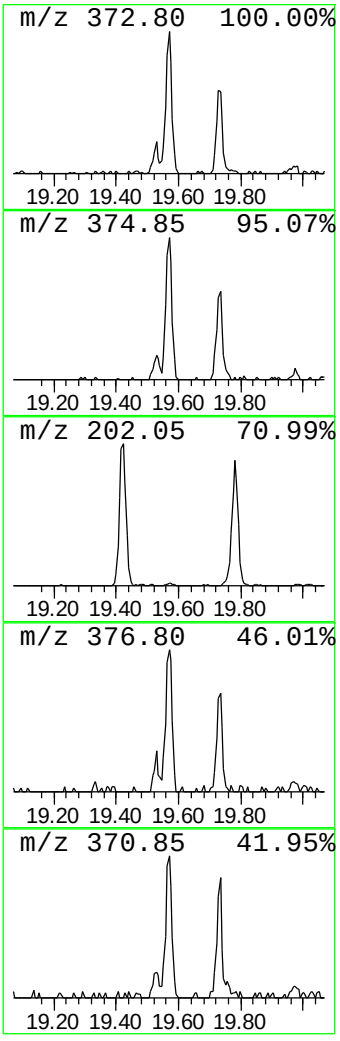
****

Peak Number 8 cis-Chlordane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.57	2.15 ng	234742	Chrysene-d12	21.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Chlordane	406	C10H6Cl8	005103-71-9	96
2	trans-Chlordane	406	C10H6Cl8	005103-74-2	91
3	Chlordane	406	C10H6Cl8	000057-74-9	90
4	4,7-Methanoindene, 1,2,3,5,6,7,8...	406	C10H6Cl8	1000017-10-9	62
5	3,5'-Dimethyl-6-nitro-8-methoxy-...	373	C18H15NO4S2	055859-57-9	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045367.D
Acq On : 13 May 2020 18:35
Operator : CG/JU
Sample : L2593-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FK-GF-02-057-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

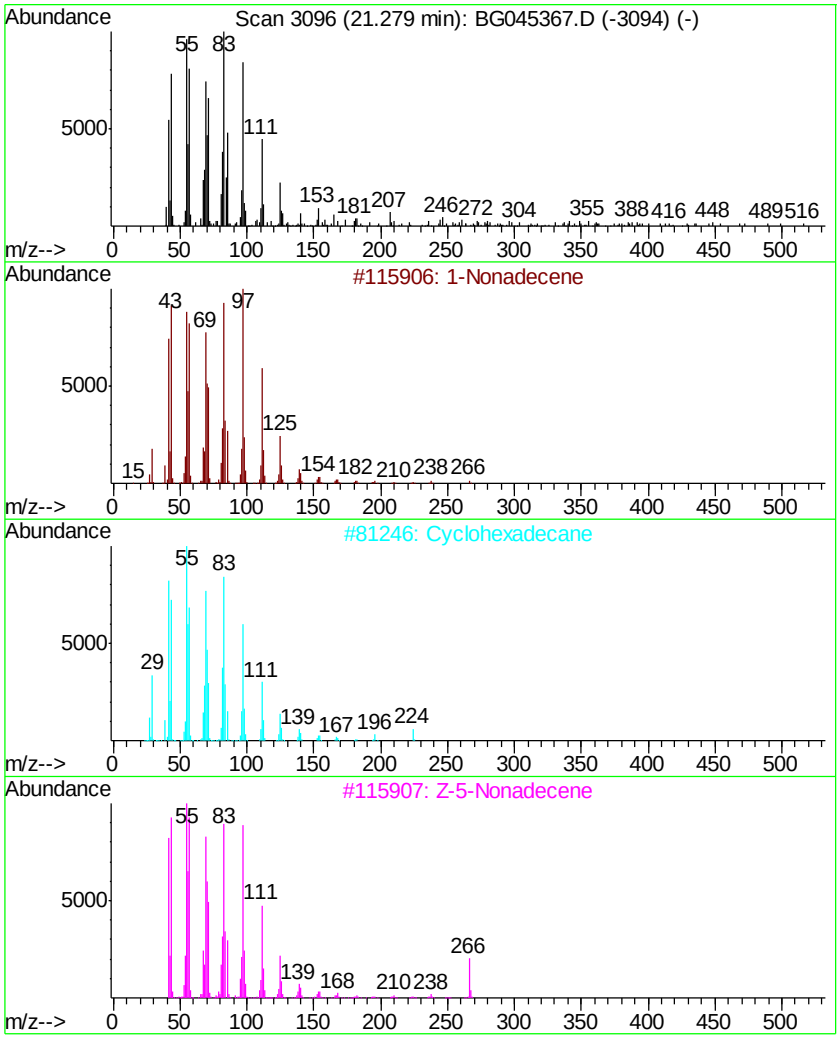
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

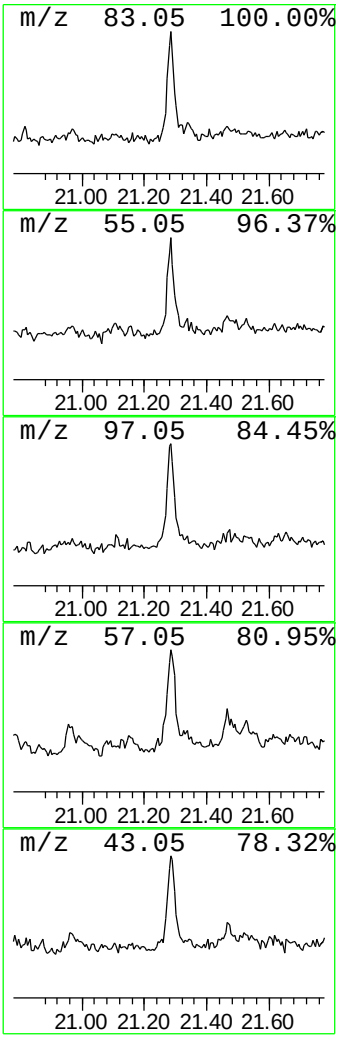
****

Peak Number 9 1-Nonadecene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.28	4.01 ng	438366	Chrysene-d12	21.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	99
2	Cyclohexadecane	224	C16H32	000295-65-8	95
3	Z-5-Nonadecene	266	C19H38	1000131-11-8	92
4	Cyclopentadecane	210	C15H30	000295-48-7	92
5	1-Heptacosanol	396	C27H56O	002004-39-9	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051220\
Data File : BG045367.D
Acq On : 13 May 2020 18:35
Operator : CG/JU
Sample : L2593-01
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : FK-GF-02-057-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.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...	3.13	4.5	ng	118412	1	7.97	526846	20.0
2-Heptanone, 3-me...	5.28	13.1	ng	346167	1	7.97	526846	20.0
Cyclohexylamine, ...	11.42	2.1	ng	82421	2	10.78	766402	20.0
Phenanthrene, 2-m...	18.25	3.3	ng	186210	4	17.37	1143520	20.0
n-Hexadecanoic acid	18.27	8.8	ng	504756	4	17.37	1143520	20.0
Thiophene-3-carbo...	18.44	3.8	ng	218076	4	17.37	1143520	20.0
cis-Chlordane	19.57	2.1	ng	234742	5	21.63	2184720	20.0
1-Nonadecene	21.28	4.0	ng	438366	5	21.63	2184720	20.0