LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG041219\
Data File : BG040466.D
Acq On : 12 Apr 2019 18:09
Operator : JU/SJ
Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 0238-COMP-CS-3-ELTRT-DISS

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-BG032719.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	3.188	14	17	25	rVB2	40576	62277	2.22%	0.369%
2	4.845	293	299	311	rBV2	43137	74454	2.65%	0.442%
3	5.597	421	427	440	rBV	268340	454534	16.18%	2.697%
4	5.850	465	470	476	rBV	32220	51398	1.83%	0.305%
5	7.201	692	700	712	rBV	191594	363817	12.95%	2.159%
6	7.571	756	763	775	rBV	499144	878273	31.26%	5.211%
7	8.041	837	843	854	rBV	131460	230979	8.22%	1.370%
8	8.364	890	898	909	rBV	461948	802095	28.55%	4.759%
9	8.875	978	985	992	rBV2	21901	39585	1.41%	0.235%
10	9.216	1036	1043	1057	rBV	354931	692069	24.63%	4.106%
11	10.321	1223	1231	1237	rBV2	18642	39311	1.40%	0.233%
12	10.761	1300	1306	1315	rBV3	21138	41527	1.48%	0.246%
13	10.861	1315	1323	1330	rBV	154639	294033	10.46%	1.745%
14	11.237	1382	1387	1397	rBV3	23250	51659	1.84%	0.306%
15	12.553	1594	1611	1622	rBV	164741	588078	20.93%	3.489%
16	13.294	1729	1737	1748	rBV	996050	1546459	55.04%	9.175%
17	14.122	1873	1878	1885	rBV	37087	54149	1.93%	0.321%
18	14.675	1965	1972	1979	rVB3	271545	443793	15.79%	2.633%
19	15.068	2033	2039	2048	rBV2	28194	57973	2.06%	0.344%
20	15.867	2169	2175	2183	rBV7	15931	35096	1.25%	0.208%
21	15.944	2184	2188	2197	rVB	27944	43916	1.56%	0.261%
22	16.038	2197	2204	2209	rBV4	18021	36776	1.31%	0.218%
23	16.161	2216	2225	2241	rBV	765823	1237759	44.05%	7.344%
24	16.378	2256	2262	2265	rBV7	13899	28119	1.00%	0.167%
25	16.420	2265	2269	2278	rVB4	44864	82443	2.93%	0.489%
26	16.790	2328	2332	2341	rBV8	27965	53030	1.89%	0.315%
27	17.418	2433	2439	2446	rBV	391399	609510	21.69%	3.616%
28	17.477	2446	2449	2454	rVB5	19737	28129	1.00%	0.167%
29	17.683	2479	2484	2488	rBV3	18291	35963	1.28%	0.213%
30	17.736	2488	2493	2502	rBV	137017	249639	8.88%	1.481%
31	18.282	2581	2586	2594	rBV2	82675	167874	5.97%	0.996%
32	18.946	2695	2699	2706	rVB3	34435	54940	1.96%	0.326%
33	19.016	2707	2711	2715	rBV4	28074	38805	1.38%	0.230%
34	19.128	2725	2730	2735	rBV2	96176	144404	5.14%	0.857%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG041219\
Data File : BG040466.D
Acq On : 12 Apr 2019 18:09
Operator : JU/SJ
Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 0238-COMP-CS-3-ELTRT-DISS

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-BG032719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.246	2746	2750	2756	rVB6	26708	48849	1.74%	0.290%
36	19.545	2797	2801	2805	rBV7	32048	47151	1.68%	0.280%
37	19.675	2818	2823	2825	rBV2	34634	57429	2.04%	0.341%
38	19.704	2825	2828	2834	rVB3	50121	77325	2.75%	0.459%
39	19.786	2837	2842	2847	rVV	103572	158392	5.64%	0.940%
40	19.839	2849	2851	2856	rVV2	47623	82836	2.95%	0.491%
41	19.892	2856	2860	2864	rVB	163933	211580	7.53%	1.255%
42	19.968	2869	2873	2877	rVV3	111305	186864	6.65%	1.109%
43	20.021	2877	2882	2892	rVB	2032181	2809794	100.00%	16.671%
44	20.444	2949	2954	2958	rVV2	64540	95828	3.41%	0.569%
45	20.503	2959	2964	2974	rVB	179576	293049	10.43%	1.739%
46	20.856	3018	3024	3029	rBV	123919	190359	6.77%	1.129%
47	20.955	3036	3041	3048	rVB8	41185	71477	2.54%	0.424%
48	21.038	3051	3055	3063	rVB7	37323	60690	2.16%	0.360%
49	21.314	3099	3102	3117	rVB5	48123	145421	5.18%	0.863%
50	21.425	3117	3121	3128	rVB10	20630	38923	1.39%	0.231%
51	21.690	3160	3166	3177	rVB	492919	815692	29.03%	4.840%
52	21.831	3185	3190	3196	rVB	46156	68325	2.43%	0.405%
53	22.436	3288	3293	3301	rVB	66849	109816	3.91%	0.652%
54	23.129	3406	3411	3419	rVB	91034	171620	6.11%	1.018%
55	23.934	3542	3548	3558	rVB3	87671	208836	7.43%	1.239%
56	24.886	3702	3710	3715	rBV	86306	208943	7.44%	1.240%
57	24.962	3715	3723	3738	rVB2	262525	794232	28.27%	4.712%
58	26.032	3894	3905	3915	rBV3	57023	180348	6.42%	1.070%
59	27.383	4127	4135	4147	rVB4	32438	108074	3.85%	0.641%

Sum of corrected areas: 16854719

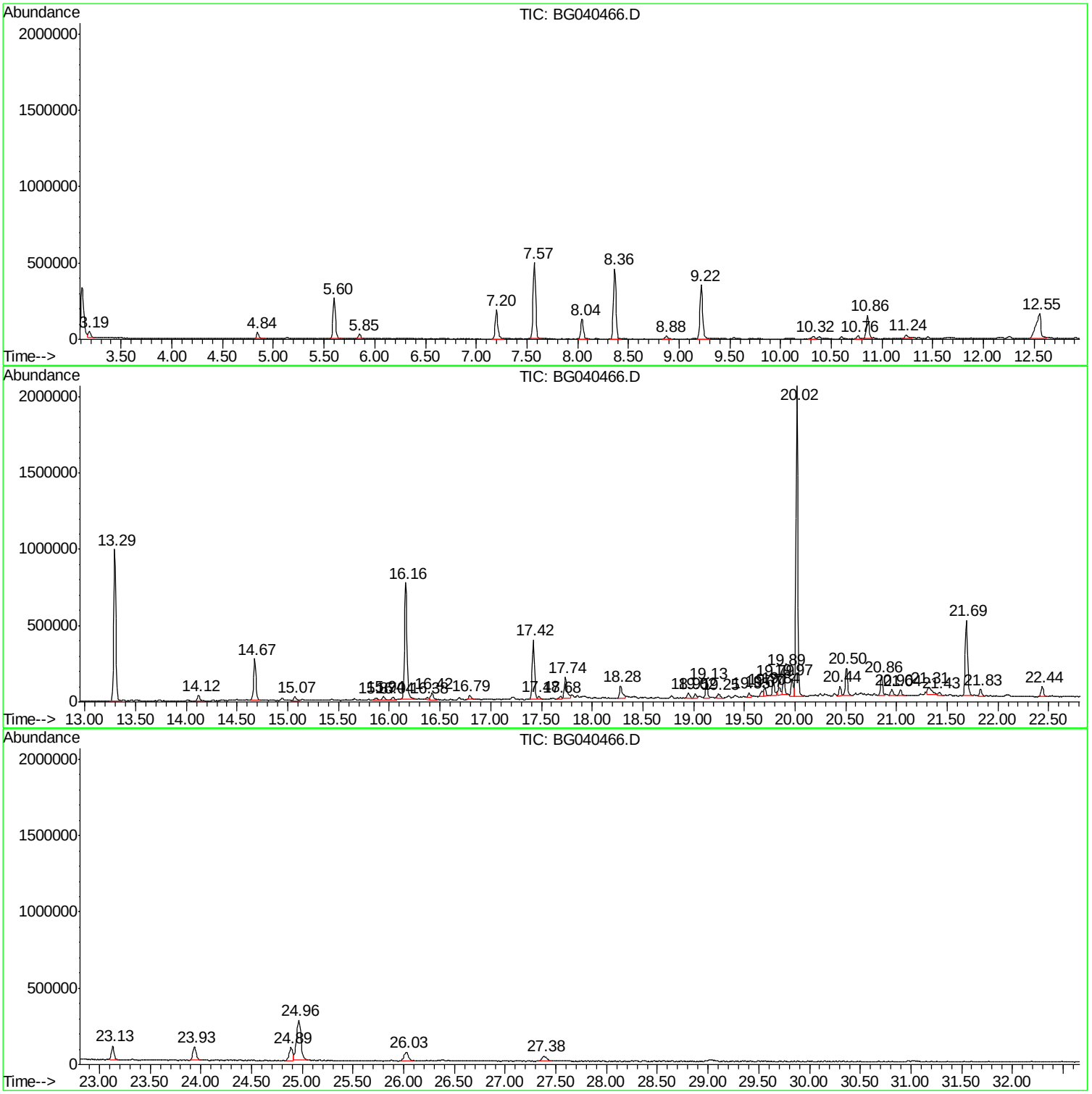
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG041219\
Data File : BG040466.D
Acq On : 12 Apr 2019 18:09
Operator : JU/SJ
Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
0238-COMP-CS-3-ELTRT-DISS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG041219\
Data File : BG040466.D
Acq On : 12 Apr 2019 18:09
Operator : JU/SJ
Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 0238-COMP-CS-3-ELTRT-DISS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

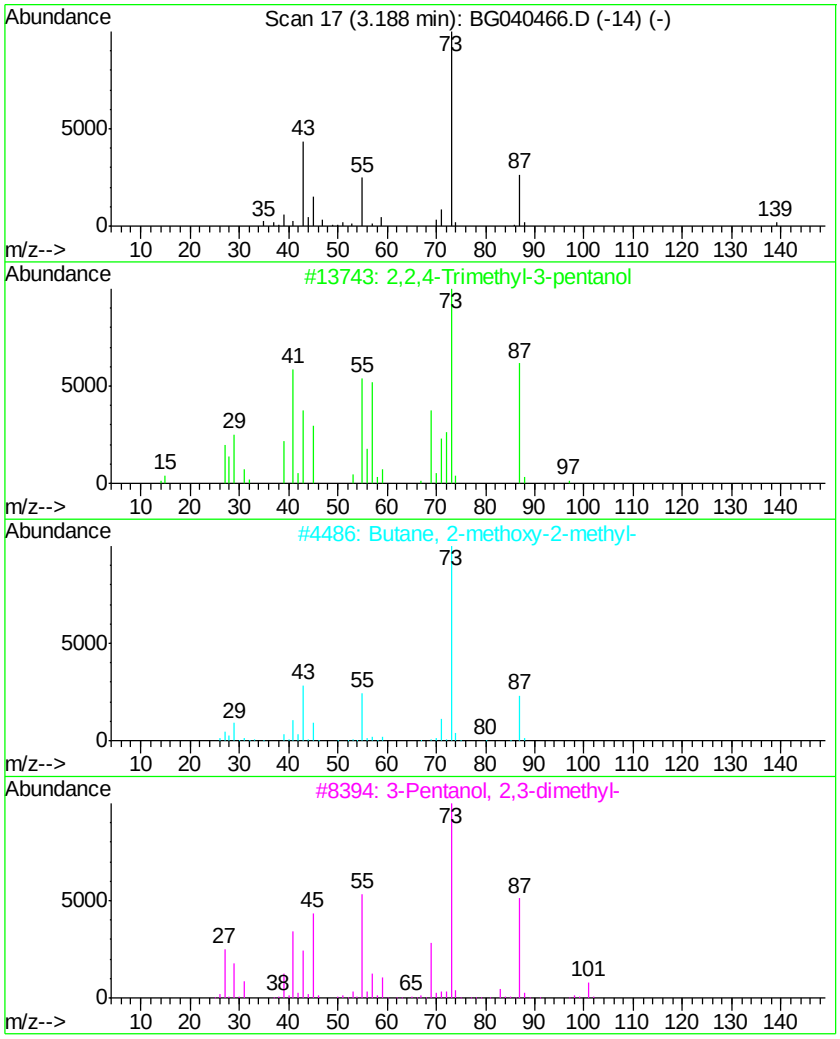
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

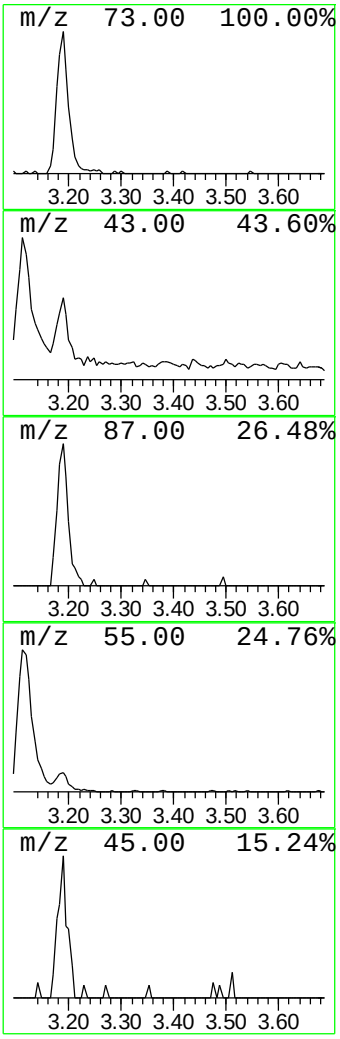
****

Peak Number 1 2,2,4-Trimethyl-3-pentanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.19	5.39 ng	62277	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	72
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
3	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	39
4	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	9
5	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG041219\
Data File : BG040466.D
Acq On : 12 Apr 2019 18:09
Operator : JU/SJ
Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
0238-COMP-CS-3-ELTRT-DISS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

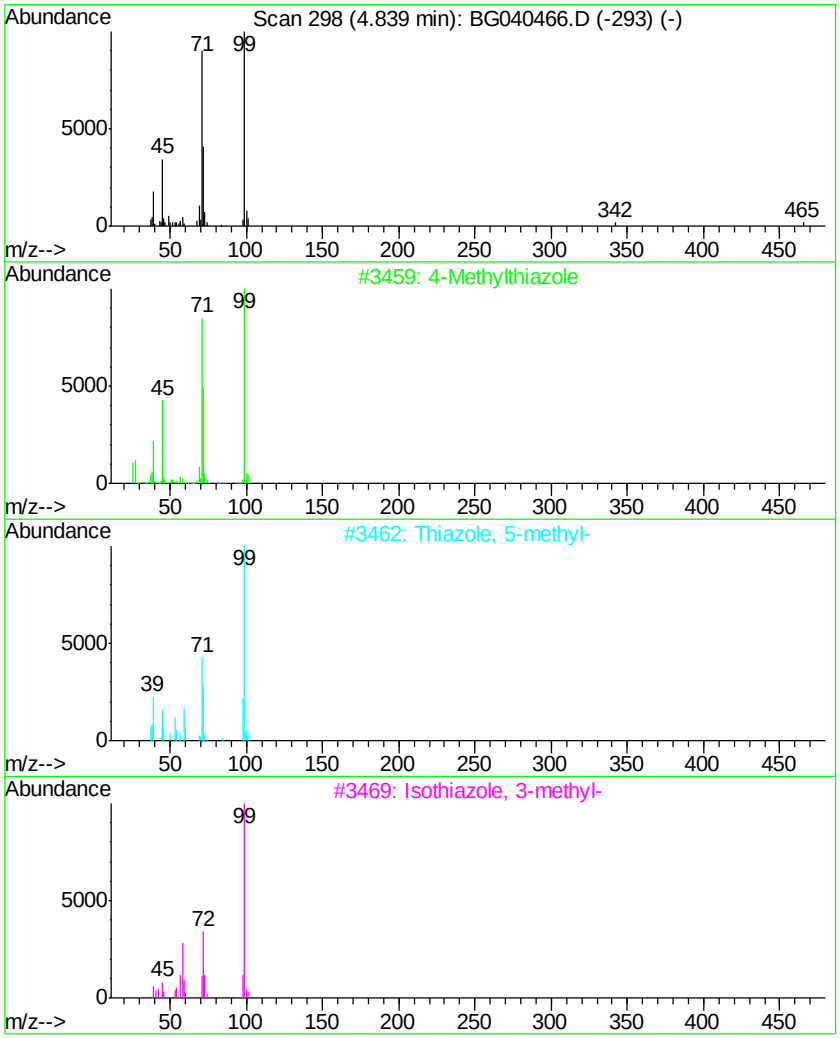
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

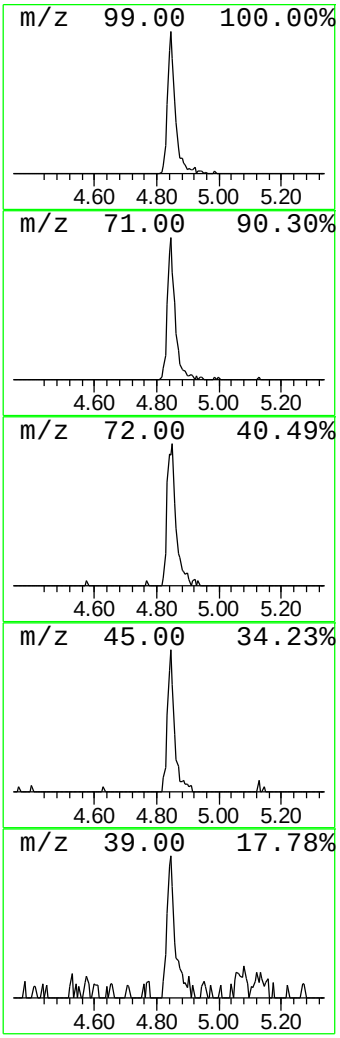
****

Peak Number 2 4-Methylthiazole Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.84	6.45 ng	74454	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylthiazole	99	C4H5NS	000693-95-8	81
2	Thiazole, 5-methyl-	99	C4H5NS	003581-89-3	45
3	Isothiazole, 3-methyl-	99	C4H5NS	000693-92-5	43
4	Cyclopropane, isothiocyanato-	99	C4H5NS	056601-42-4	37
5	1,2,3-Thiadiazole, 5-methyl-	100	C3H4N2S	050406-54-7	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG041219\
Data File : BG040466.D
Acq On : 12 Apr 2019 18:09
Operator : JU/SJ
Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 0238-COMP-CS-3-ELTRT-DISS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

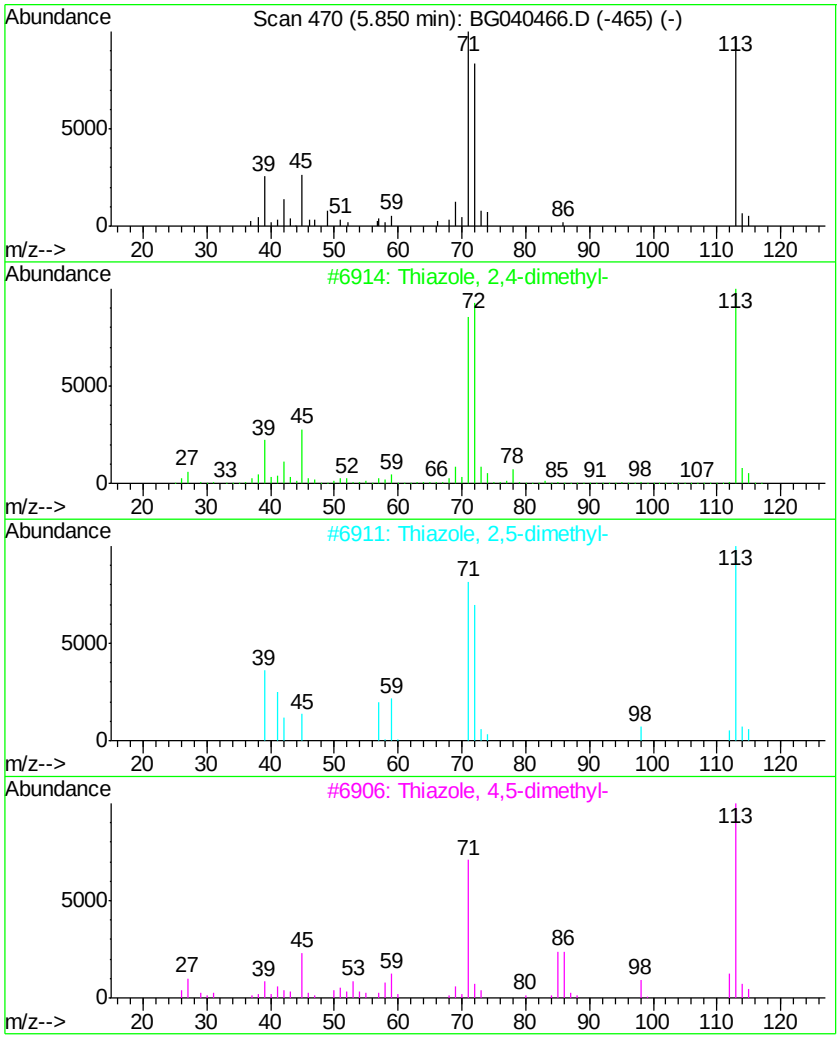
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

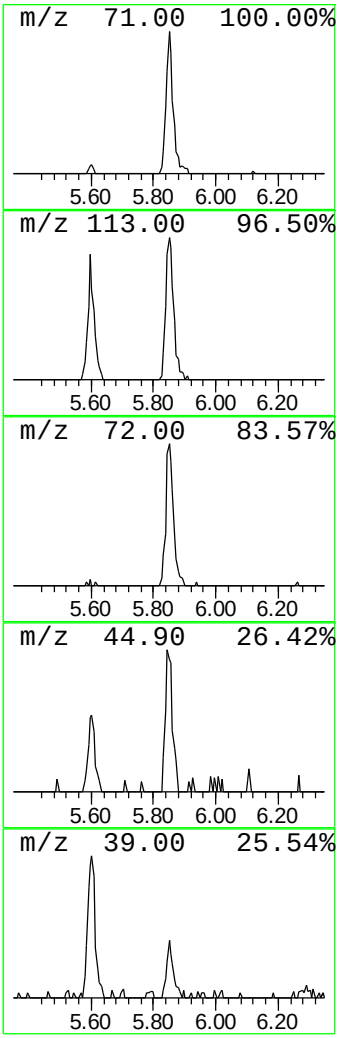
****

Peak Number 3 Thiazole, 2,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.85	4.45 ng	51398	1,4-Dichlorobenzene-d4	8.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiazole, 2,4-dimethyl-	113	C5H7NS	000541-58-2	96
2	Thiazole, 2,5-dimethyl-	113	C5H7NS	004175-66-0	80
3	Thiazole, 4,5-dimethyl-	113	C5H7NS	003581-91-7	50
4	Isothiazole, 3,4-dimethyl-	113	C5H7NS	027330-46-7	47
5	1H-Pyrazole, 4-nitro-	113	C3H3N3O2	002075-46-9	14





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG041219\
Data File : BG040466.D
Acq On : 12 Apr 2019 18:09
Operator : JU/SJ
Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 0238-COMP-CS-3-ELTRT-DISS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

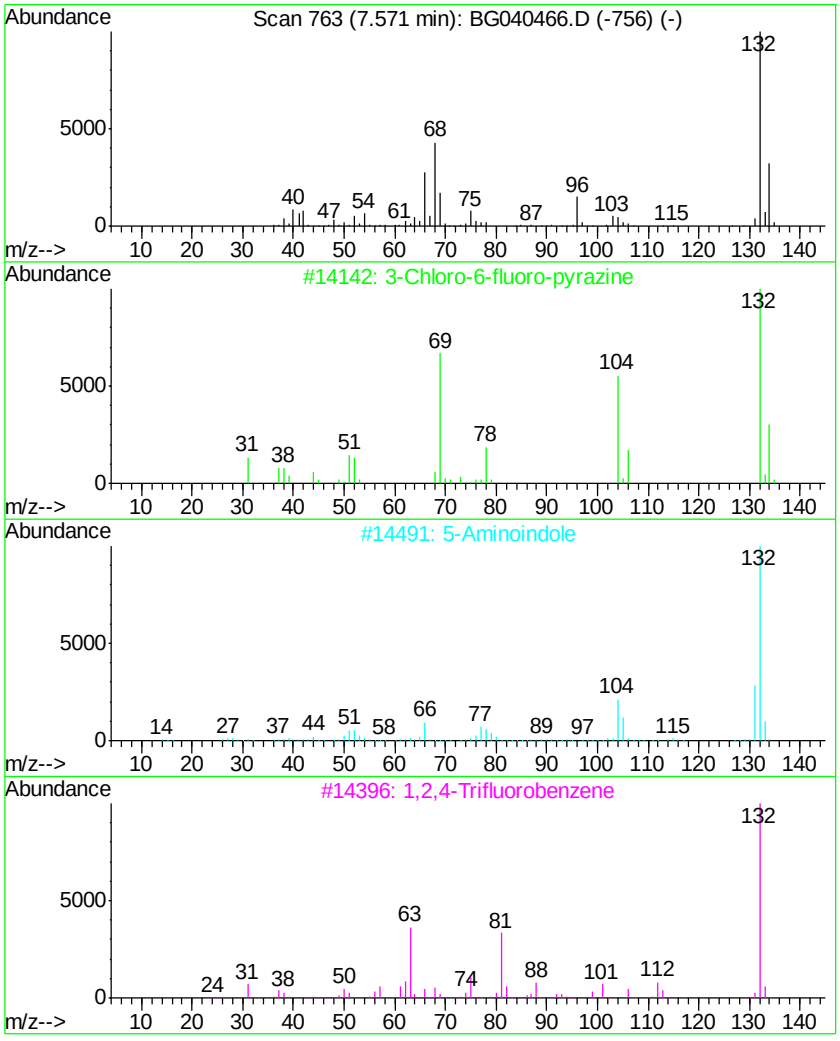
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

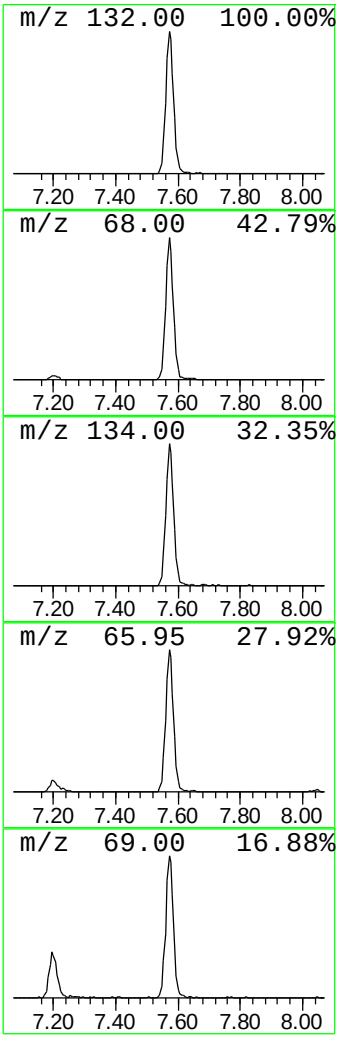
****

Peak Number 4 unknown7.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	76.05 ng	878273	1,4-Dichlorobenzene-d4	8.05

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	22
3	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG041219\
Data File : BG040466.D
Acq On : 12 Apr 2019 18:09
Operator : JU/SJ
Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 0238-COMP-CS-3-ELTRT-DISS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

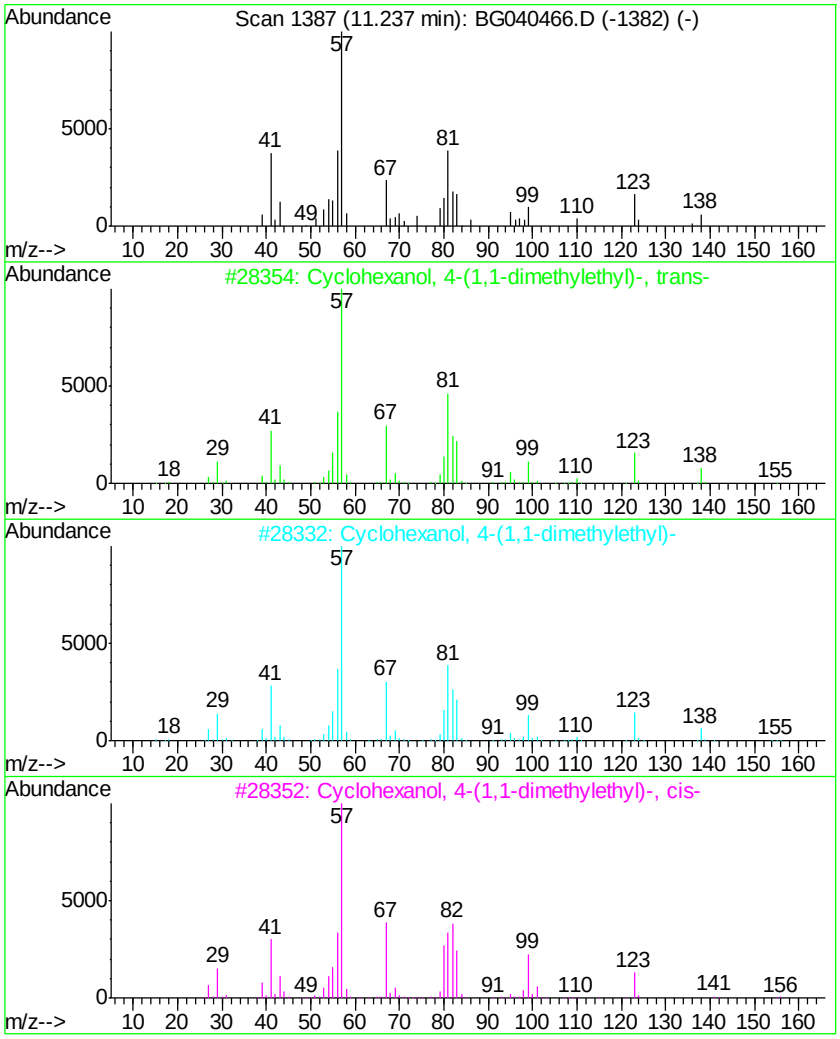
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

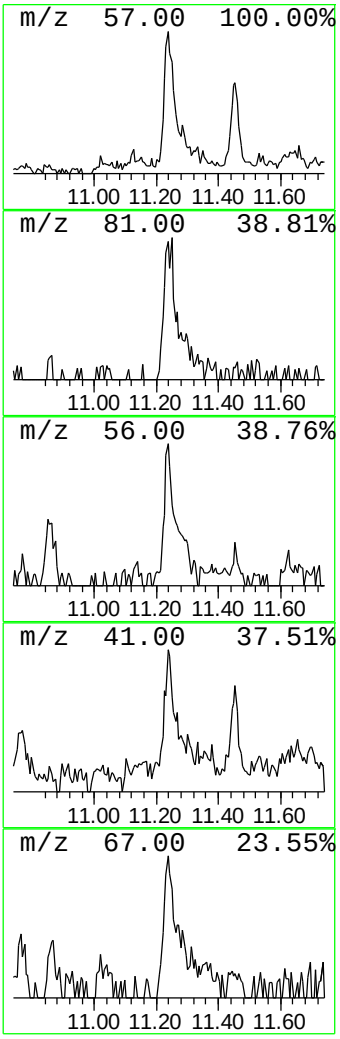
****

Peak Number 6 Cyclohexanol, 4-(1,1-dimeth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	3.51 ng	51659	Naphthalene-d8	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 4-(1,1-dimethyleth...	156	C10H20O	021862-63-5	86
2	Cyclohexanol, 4-(1,1-dimethyleth...	156	C10H20O	000098-52-2	59
3	Cyclohexanol, 4-(1,1-dimethyleth...	156	C10H20O	000937-05-3	56
4	Cyclohexanol, 2-(1,1-dimethyleth...	156	C10H20O	013491-79-7	43
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG041219\
Data File : BG040466.D
Acq On : 12 Apr 2019 18:09
Operator : JU/SJ
Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 0238-COMP-CS-3-ELTRT-DISS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

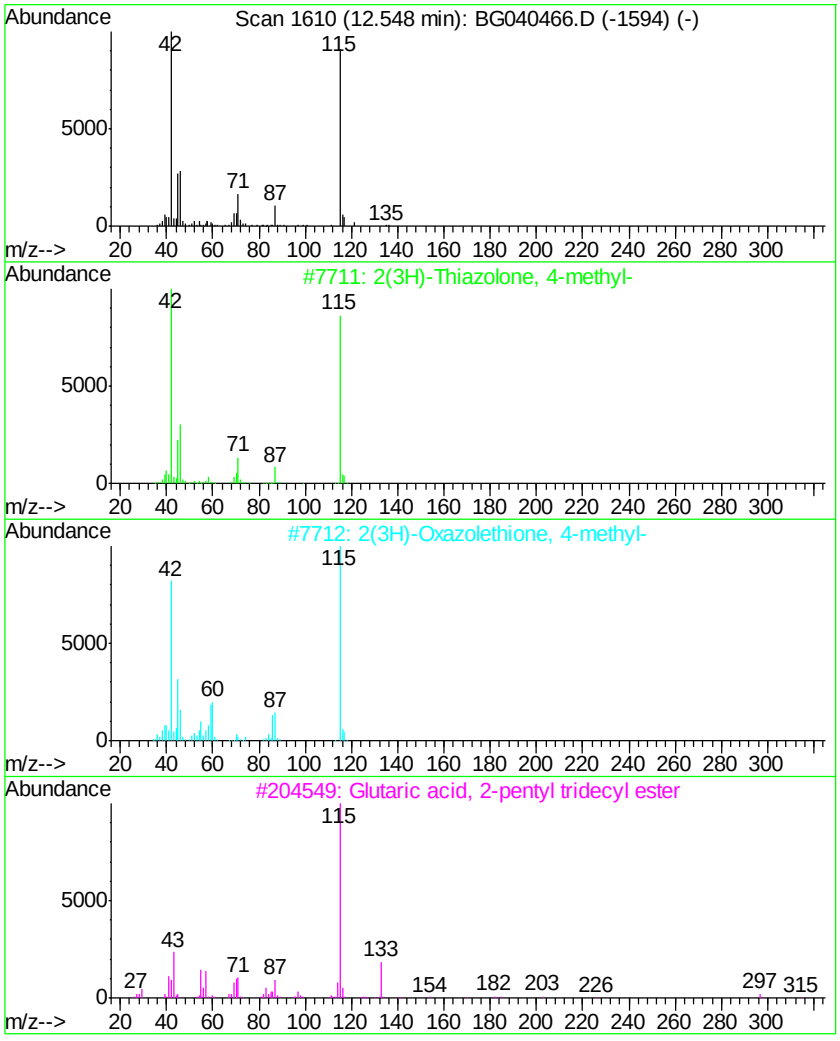
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

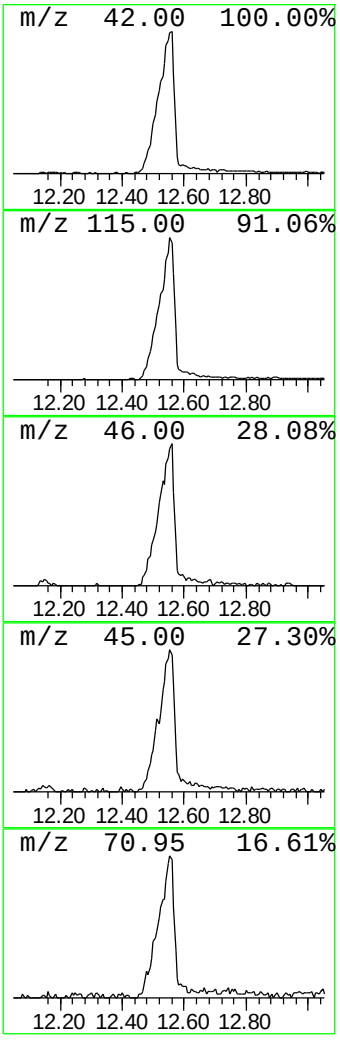
****

Peak Number 7 2(3H)-Thiazolone, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	40.00 ng	588078	Naphthalene-d8	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Thiazolone, 4-methyl-	115	C4H5NOS	032497-10-2	95
2	2(3H)-Oxazolethione, 4-methyl-	115	C4H5NOS	013016-17-6	80
3	Glutaric acid, 2-pentyl tridecyl...	384	C23H44O4	1000358-20-6	17
4	Malonic acid, ethyl 4-heptyl ester	230	C12H22O4	1000348-98-9	12
5	4-(3,4-Dihydro-2H-quinolin-1-yl)...	247	C13H17N3O2	315673-61-1	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG041219\
Data File : BG040466.D
Acq On : 12 Apr 2019 18:09
Operator : JU/SJ
Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 0238-COMP-CS-3-ELTRT-DISS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

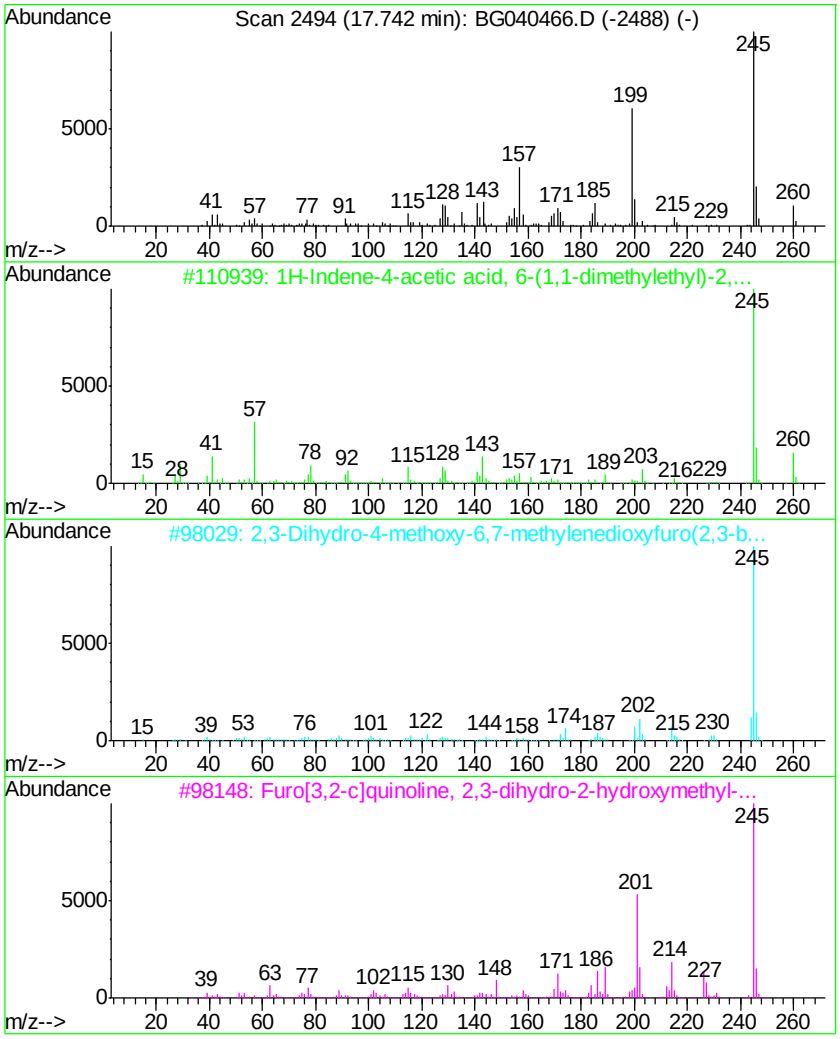
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

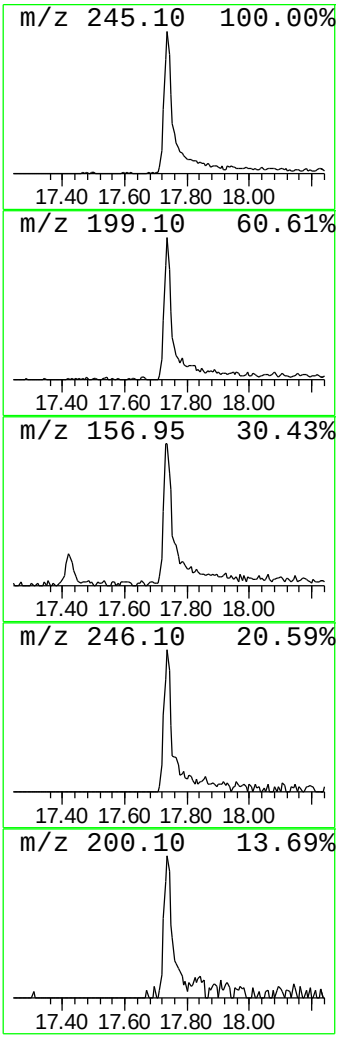
****

Peak Number 8 1H-Indene-4-acetic acid, 6-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	8.19 ng	249639	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene-4-acetic acid, 6-(1,1-...	260	C17H24O2	055591-05-4	55
2	2,3-Dihydro-4-methoxy-6,7-methyl...	245	C13H11NO4	094521-55-8	49
3	Furo[3,2-c]quinoline, 2,3-dihydr...	245	C14H15NO3	1000264-83-9	46
4	Isothiourea, 2-methyl-1-(2,4-dim...	260	C15H20N2S	1000267-73-5	43
5	1-(2-Methyl-1H-inden-4-yl)-1H-in...	245	C18H15N	1000305-60-1	38





Library Search Compound Report

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Acq On : 12 Apr 2019 18:09
Operator : JU/SJ
Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 0238-COMP-CS-3-ELTRT-DISS

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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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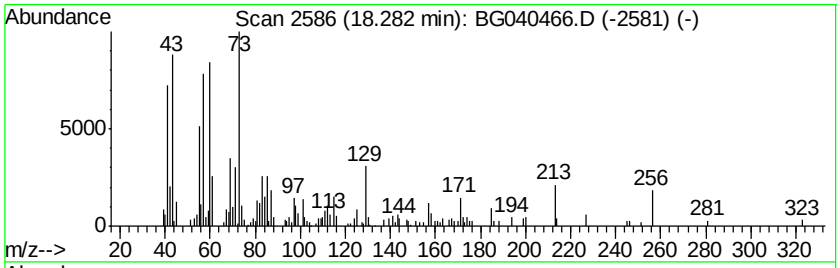
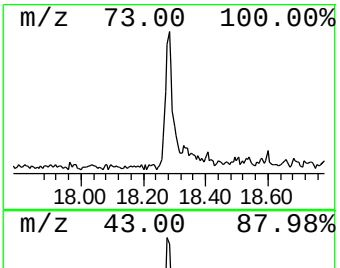
Peak Number 9 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	5.51 ng	167874	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Dodecanoic acid	200	C12H24O2	000143-07-7	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	62
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	62





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Sample : K2311-15
Misc :
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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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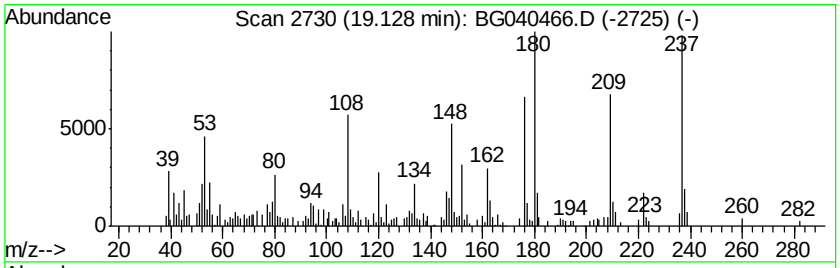
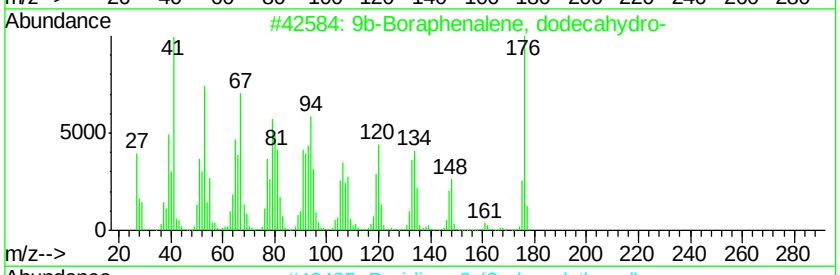
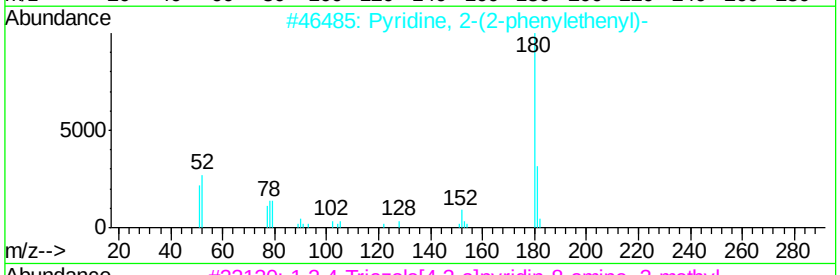
Peak Number 10 unknown19.13 Concentration Rank 12

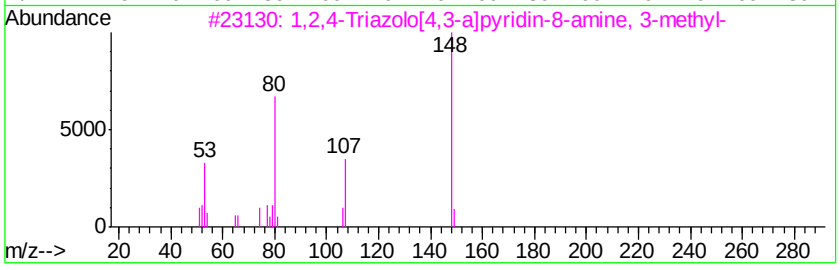
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	4.74 ng	144404	Phenanthrene-d10	17.42

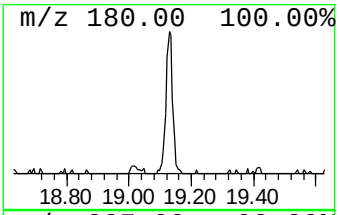
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9b-Boraphenalene, dodecahydro-	176	C12H21B	016664-33-8	38
2	Pyridine, 2-(2-phenylethenyl)-	181	C13H11N	000714-08-9	25
3	1,2,4-Triazolo[4,3-a]pyridin-8-a...	148	C7H8N4	031040-12-7	22
4	Pyrido[2,3-d]pyrimidin-5(8H)-one...	237	C14H11N3O	161465-98-1	15
5	Coumarine, 6-amino-3-phenyl-	237	C15H11NO2	021408-16-2	15

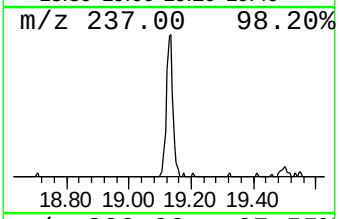


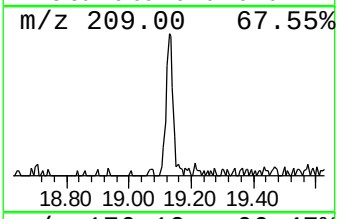


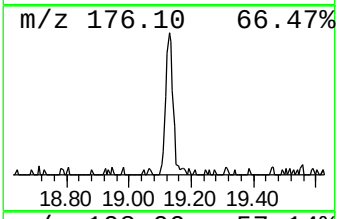


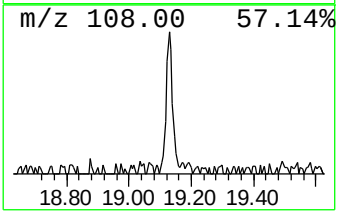












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Data File : BG040466.D
Acq On : 12 Apr 2019 18:09
Operator : JU/SJ
Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 0238-COMP-CS-3-ELTRT-DISS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.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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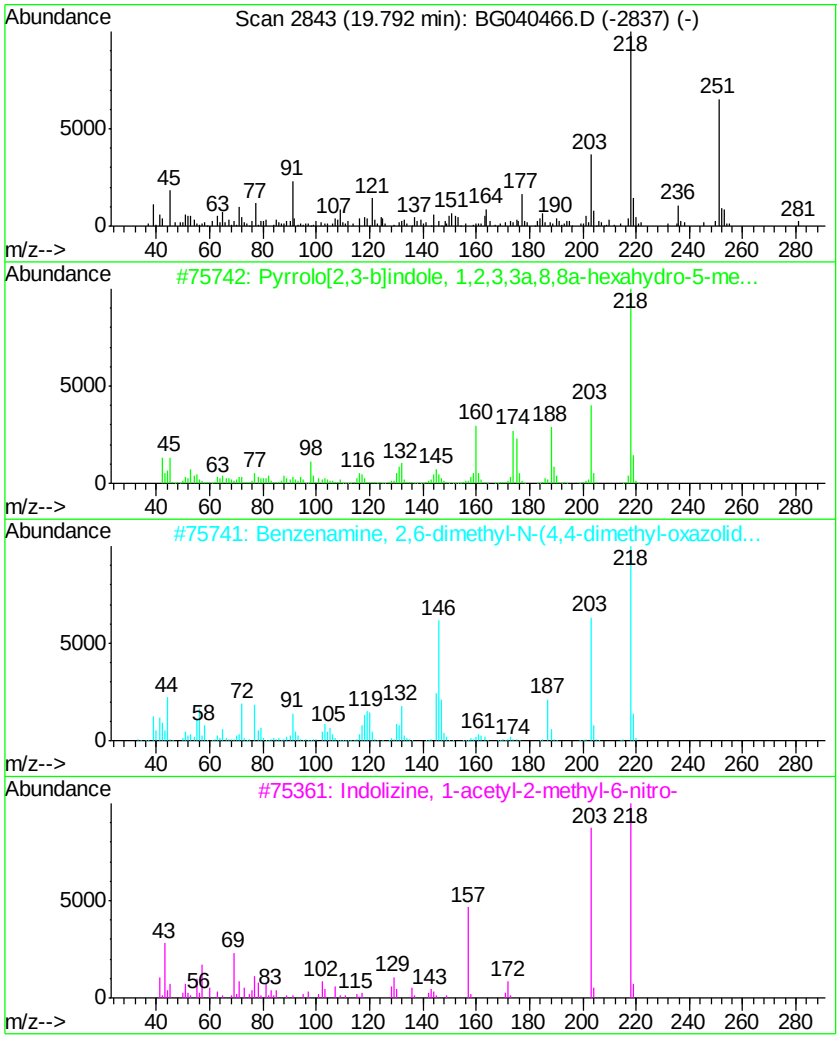
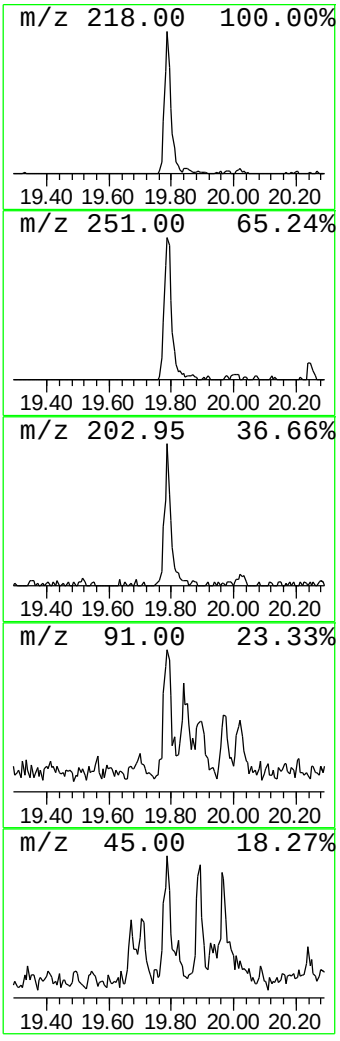
Peak Number 11 Pyrrolo[2,3-b]indole, 1,2,3... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	3.88 ng	158392	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrrolo[2,3-b]indole, 1,2,3,3a,8...	218	C13H18N2O	046479-70-3	52
2	Benzenamine, 2,6-dimethyl-N-(4,4...	218	C13H18N2O	281211-68-5	50
3	Indolizine, 1-acetyl-2-methyl-6-...	218	C11H10N2O3	1000071-33-1	43
4	l-Valine, n-pentafluoropropionyl...	305	C11H16F5NO3	1000320-87-9	38
5	Tetrachloro-o-benzoquinone	244	C6Cl4O2	002435-53-2	38





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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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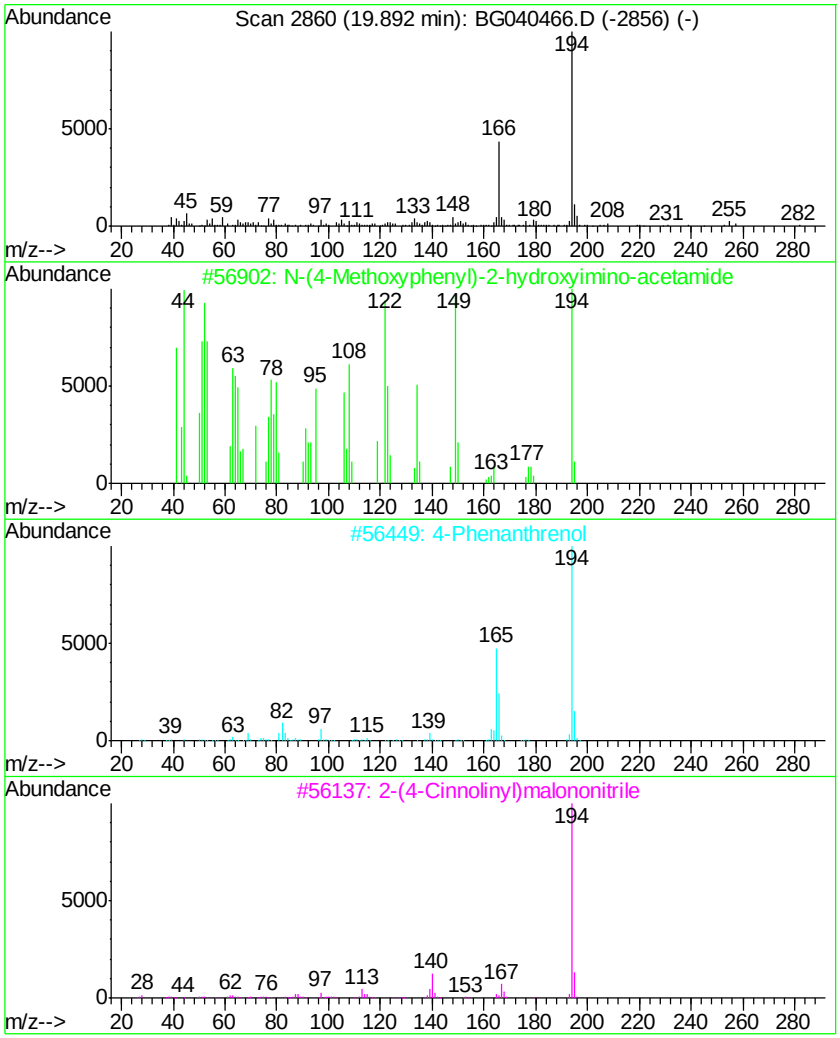
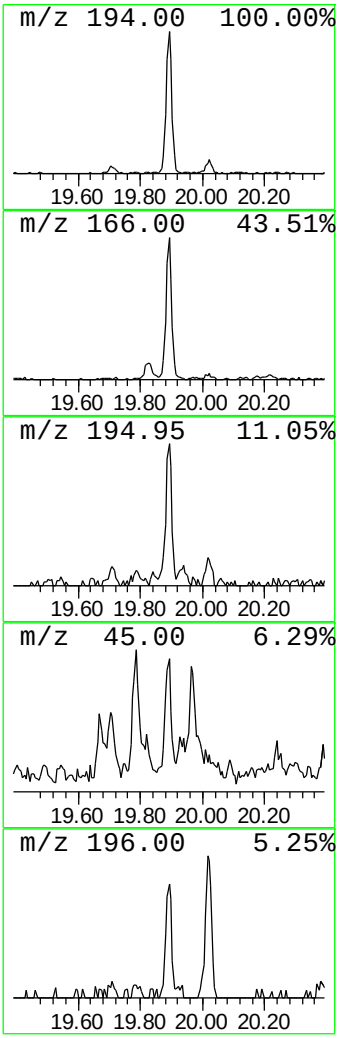
Peak Number 12 N-(4-Methoxyphenyl)-2-hydro... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.89	5.19 ng	211580	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(4-Methoxyphenyl)-2-hydroxyimi...	194	C9H10N2O3	1000143-61-3	95
2	4-Phenanthrenol	194	C14H10O	007651-86-7	49
3	2-(4-Cinnolinyl)malononitrile	194	C11H6N4	018592-04-6	47
4	4-Pyridinecarbaldehyde 4-methyl-...	194	C8H10N4S	067526-43-6	43
5	Benzenamine, N,N'-methanetetrayl...	194	C13H10N2	000622-16-2	43





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Sample : K2311-15
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ClientSampleId : 0238-COMP-CS-3-ELTRT-DISS

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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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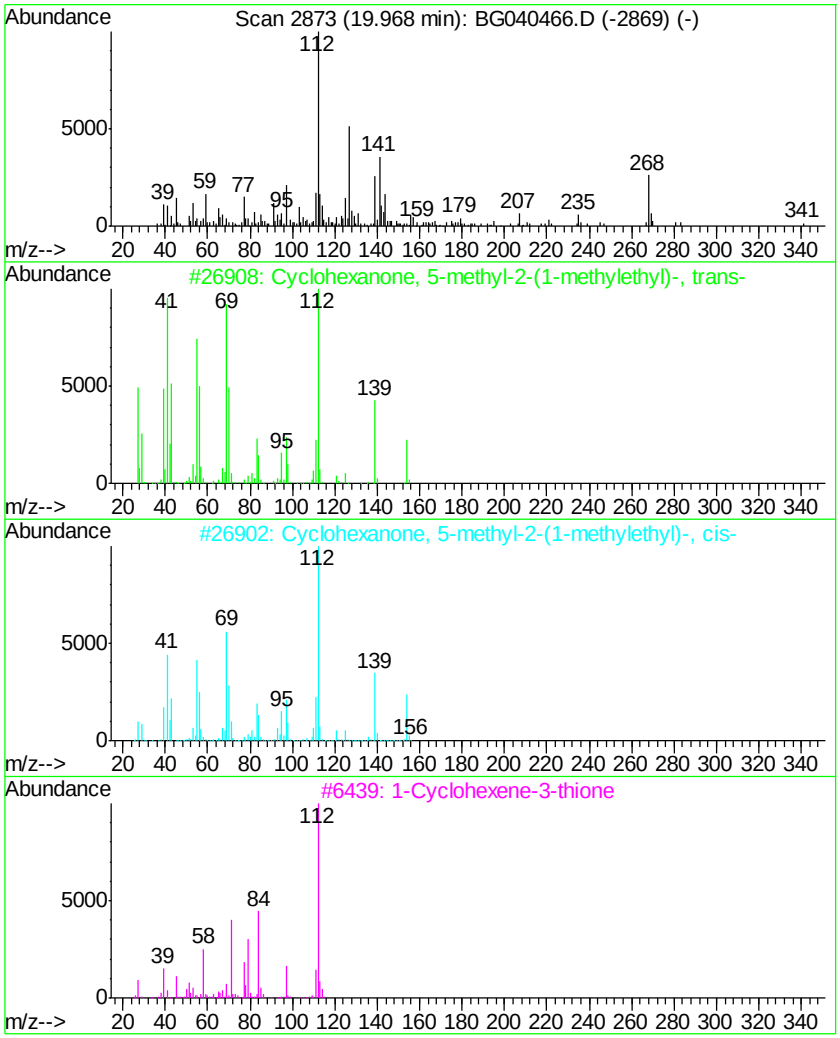
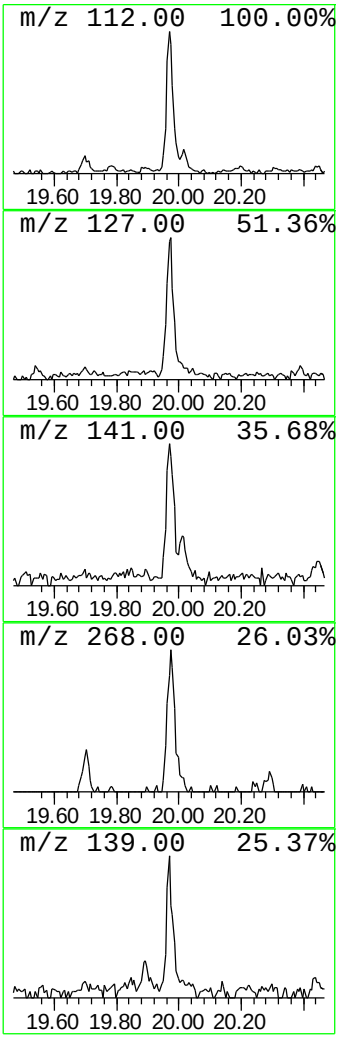
Peak Number 13 unknown19.97 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	4.58 ng	186864	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	000089-80-5	38
2	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	000491-07-6	38
3	1-Cyclohexene-3-thione	112	C6H8S	201139-65-3	38
4	l-Menthone	154	C10H18O	014073-97-3	38
5	5-Thiazoleacetaldehyde, 4-methyl-	141	C6H7NOS	018764-34-6	35





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Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 0238-COMP-CS-3-ELTRT-DISS

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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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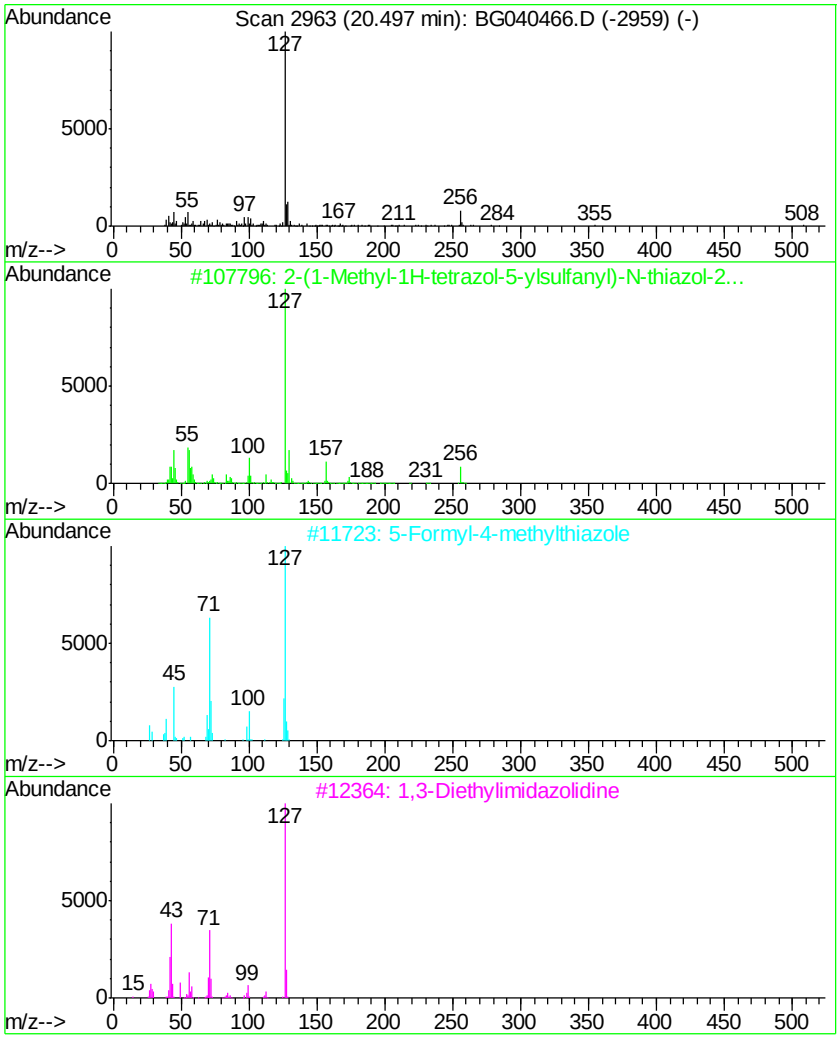
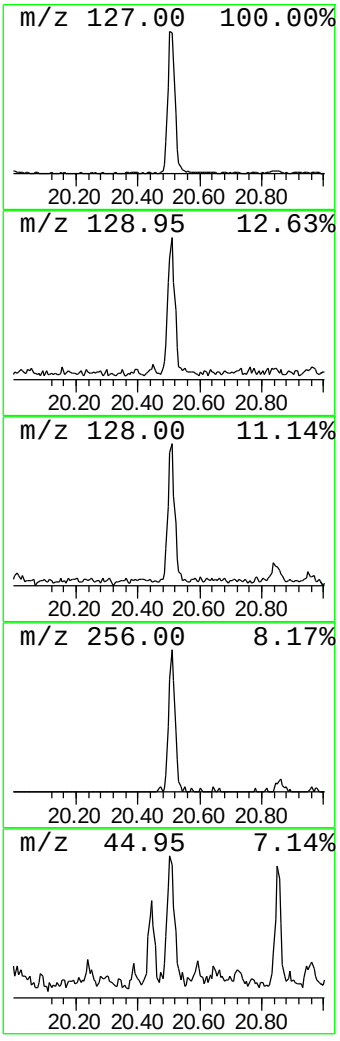
Peak Number 14 2-(1-Methyl-1H-tetrazol-5-y... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.50	7.19 ng	293049	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(1-Methyl-1H-tetrazol-5-ylsulf...	256	C7H8N6OS2	1000295-09-8	78
2	5-Formyl-4-methylthiazole	127	C5H5NOS	082294-70-0	59
3	1,3-Diethylimidazolidine	128	C7H16N2	014103-78-7	53
4	3,5-Heptanedione, 2,2,6,6-tetram...	184	C11H20O2	001118-71-4	50
5	Glutaric acid, 2,5-difluorobenzy...	356	C19H26F2O4	1000376-94-7	45





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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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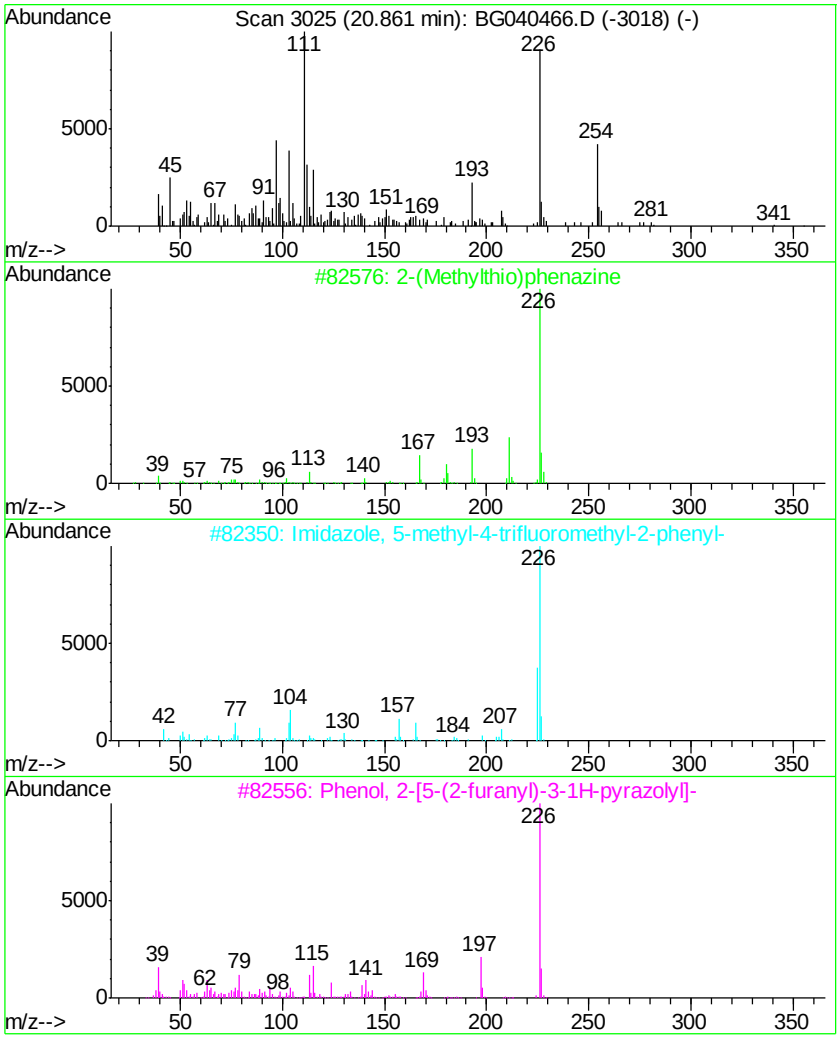
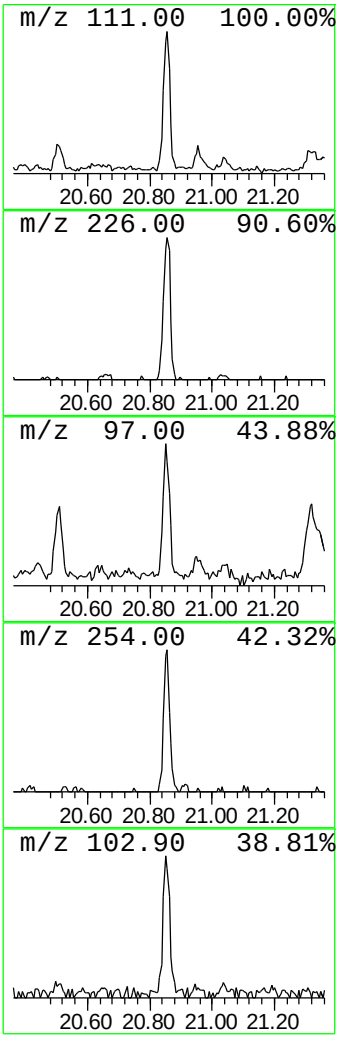
Peak Number 15 unknown20.86 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	4.67 ng	190359	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(Methylthio)phenazine	226	C13H10N2S	005752-54-5	18
2	Imidazole, 5-methyl-4-trifluorom...	226	C11H9F3N2	081769-66-6	18
3	Phenol, 2-[5-(2-furanyl)-3-1H-py...	226	C13H10N2O2	038371-84-5	15
4	Silane, dimethyl(4-methoxyphenox...	226	C11H18O3Si	1000347-13-9	14
5	Cyclobutylcarboxamide, N-(2-fluo...	193	C11H12FNO	1000340-37-2	14





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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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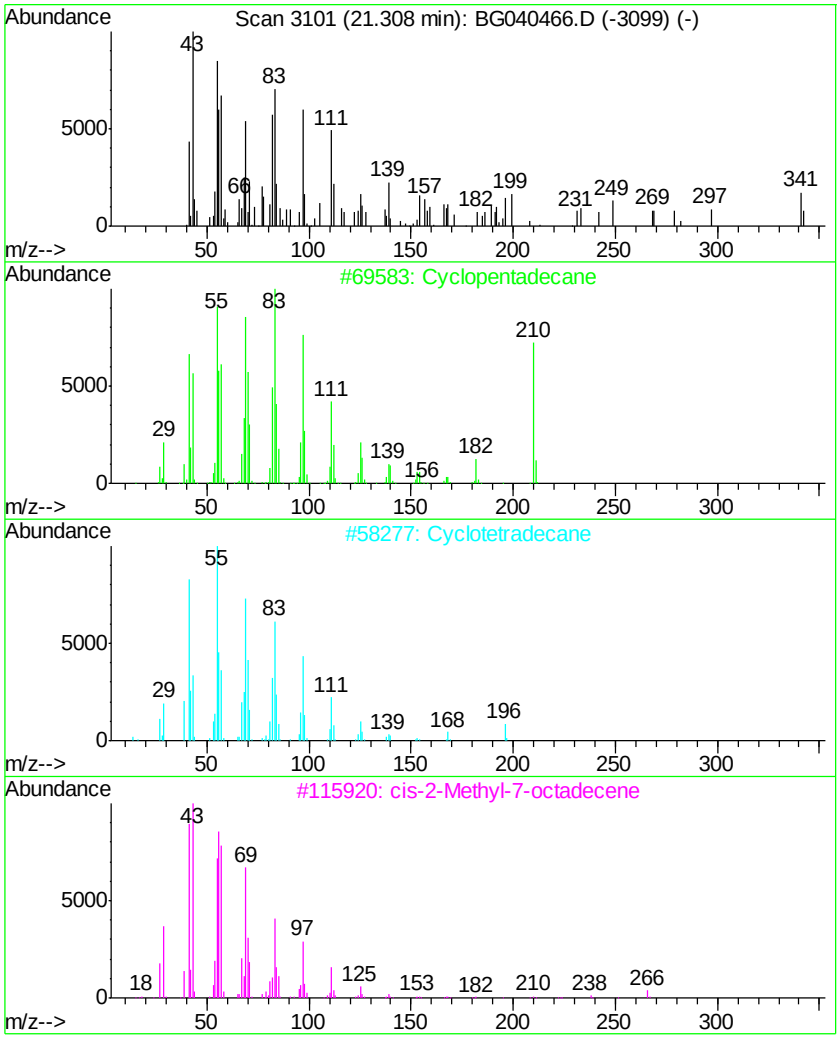
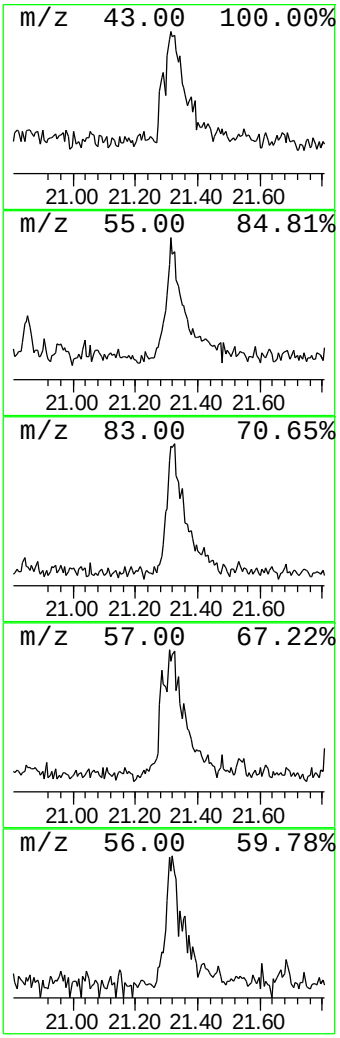
Peak Number 16 Cyclopentadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.31	3.57 ng	145421	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	86
2	Cyclotetradecane	196	C14H28	000295-17-0	83
3	cis-2-Methyl-7-octadecene	266	C19H38	035354-39-3	53
4	Z-5-Nonadecene	266	C19H38	1000131-11-8	52
5	9-Nonadecene	266	C19H38	031035-07-1	49





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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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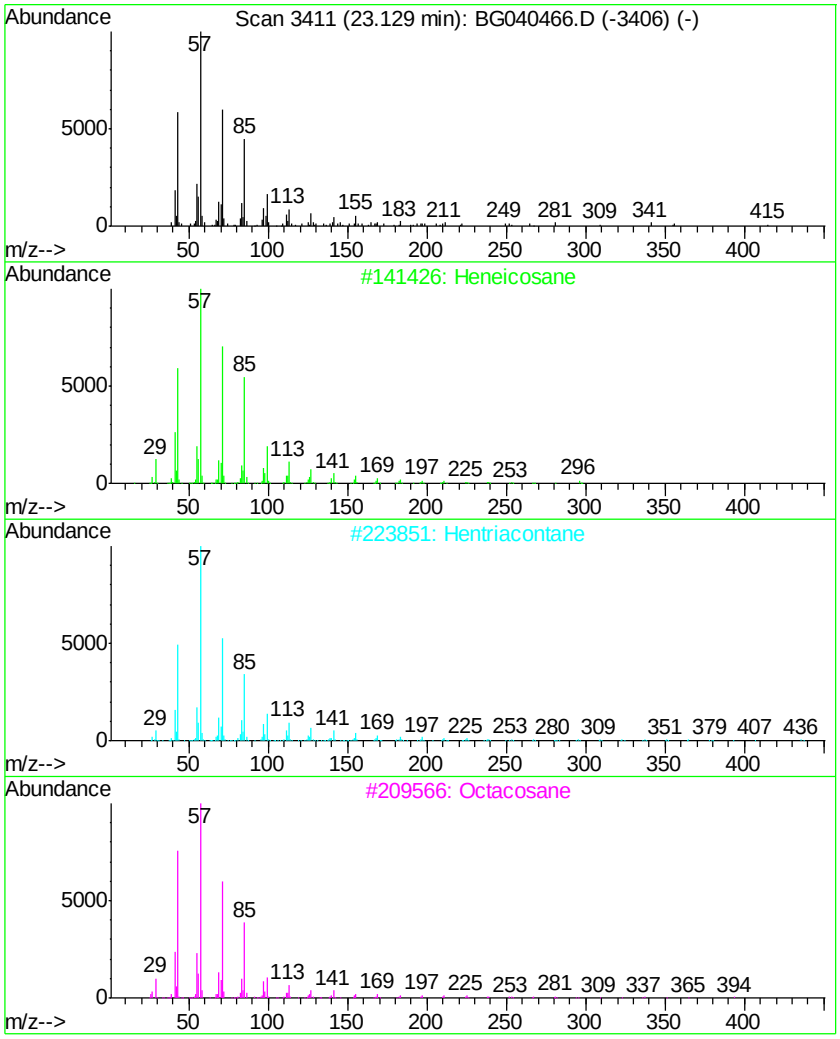
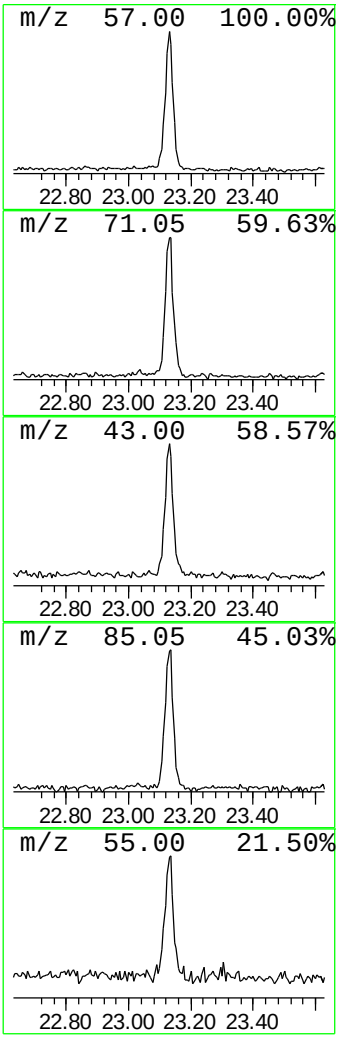
Peak Number 17 Heneicosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.13	4.21 ng	171620	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Hentriacontane	437	C31H64	000630-04-6	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Heptacosane	380	C27H56	000593-49-7	87





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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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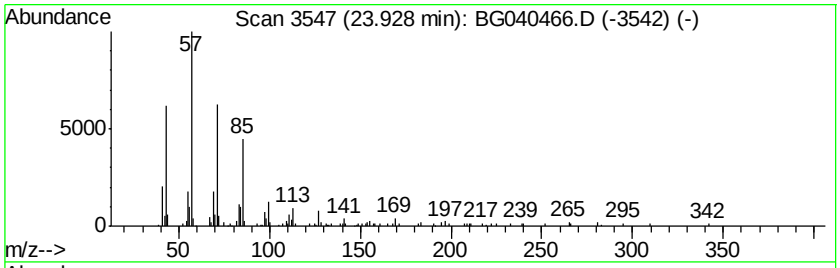
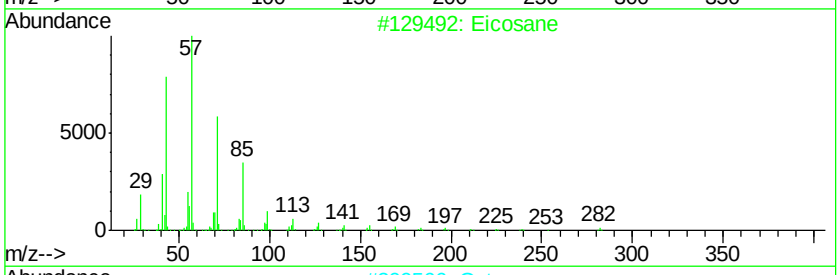
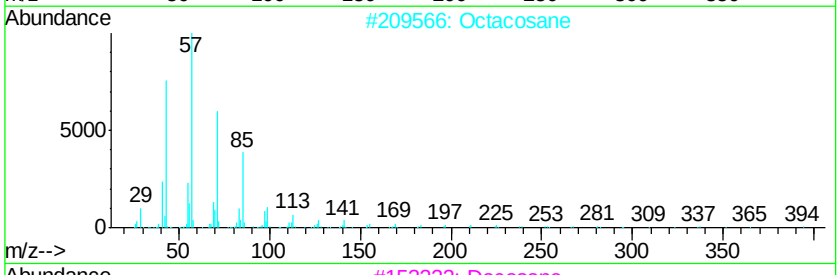
Peak Number 18 Eicosane Concentration Rank 10

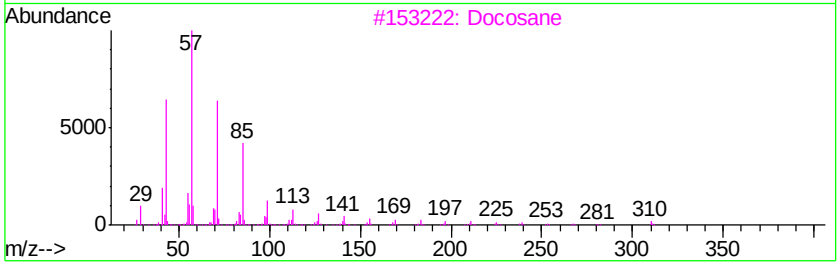
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.93	5.26 ng	208836	Perylene-d12	24.96

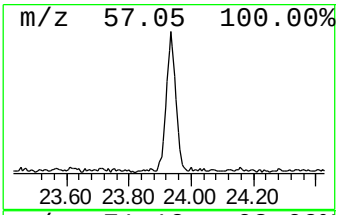
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Octacosane	394	C28H58	000630-02-4	90
3	Docosane	310	C22H46	000629-97-0	86
4	Heneicosane	296	C21H44	000629-94-7	83
5	Octadecane	254	C18H38	000593-45-3	83

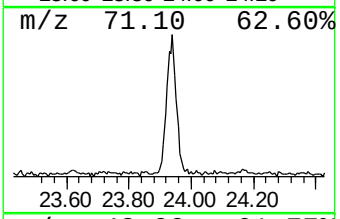


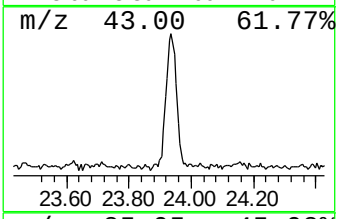


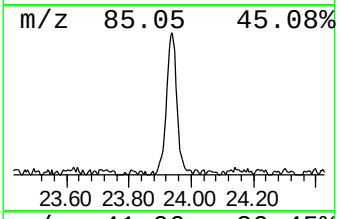


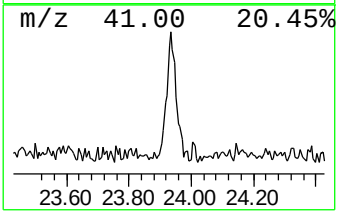












Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG041219\
Data File : BG040466.D
Acq On : 12 Apr 2019 18:09
Operator : JU/SJ
Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 0238-COMP-CS-3-ELTRT-DISS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.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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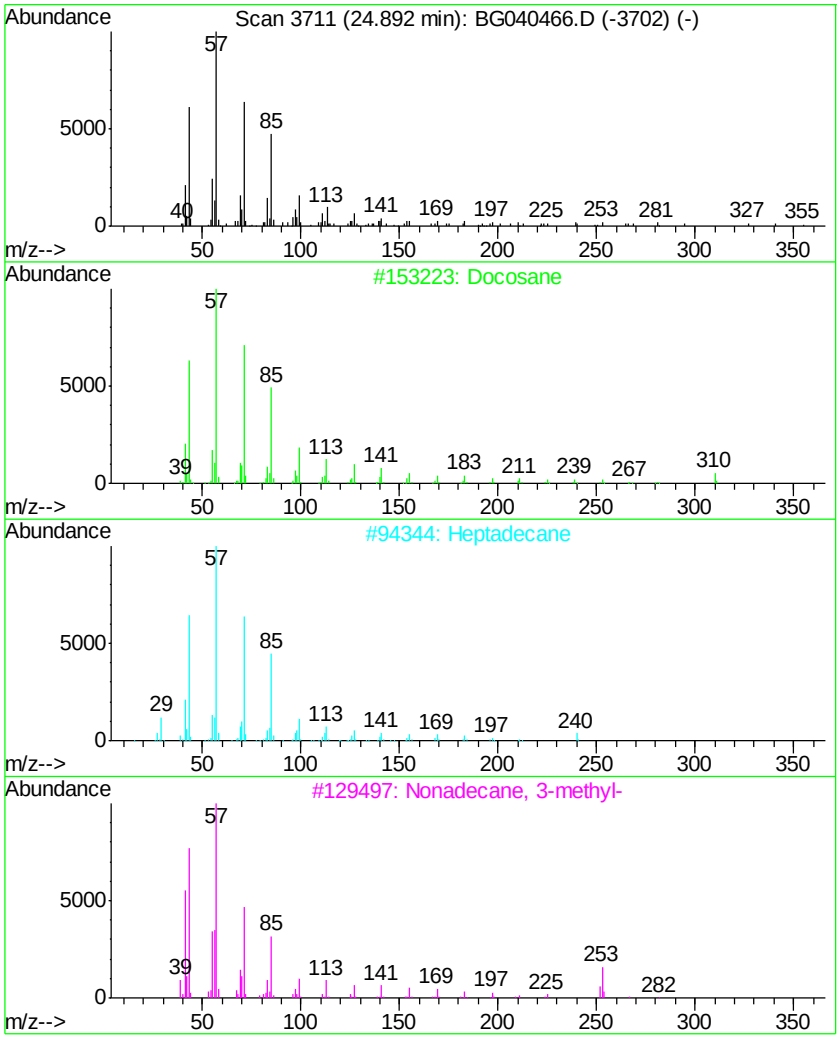
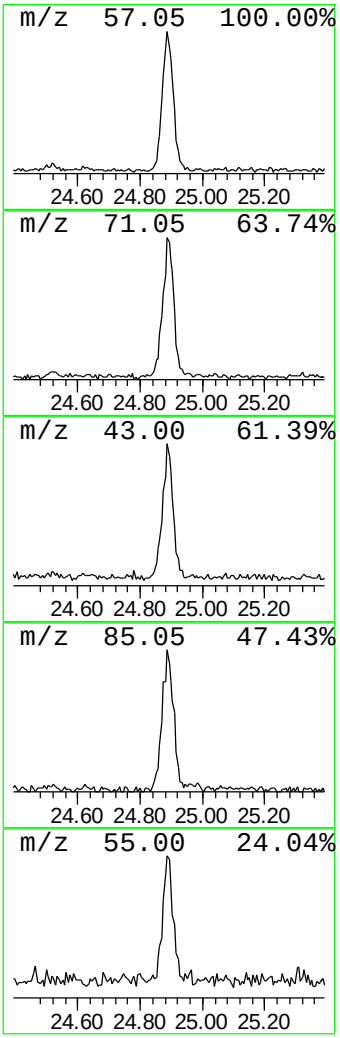
Peak Number 19 Docosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.89	5.26 ng	208943	Perylene-d12	24.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	86
2	Heptadecane	240	C17H36	000629-78-7	80
3	Nonadecane, 3-methyl-	282	C20H42	006418-45-7	80
4	Tetracosane	338	C24H50	000646-31-1	62
5	Octacosane	394	C28H58	000630-02-4	62





Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG041219\
Data File : BG040466.D
Acq On : 12 Apr 2019 18:09
Operator : JU/SJ
Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 0238-COMP-CS-3-ELTRT-DISS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.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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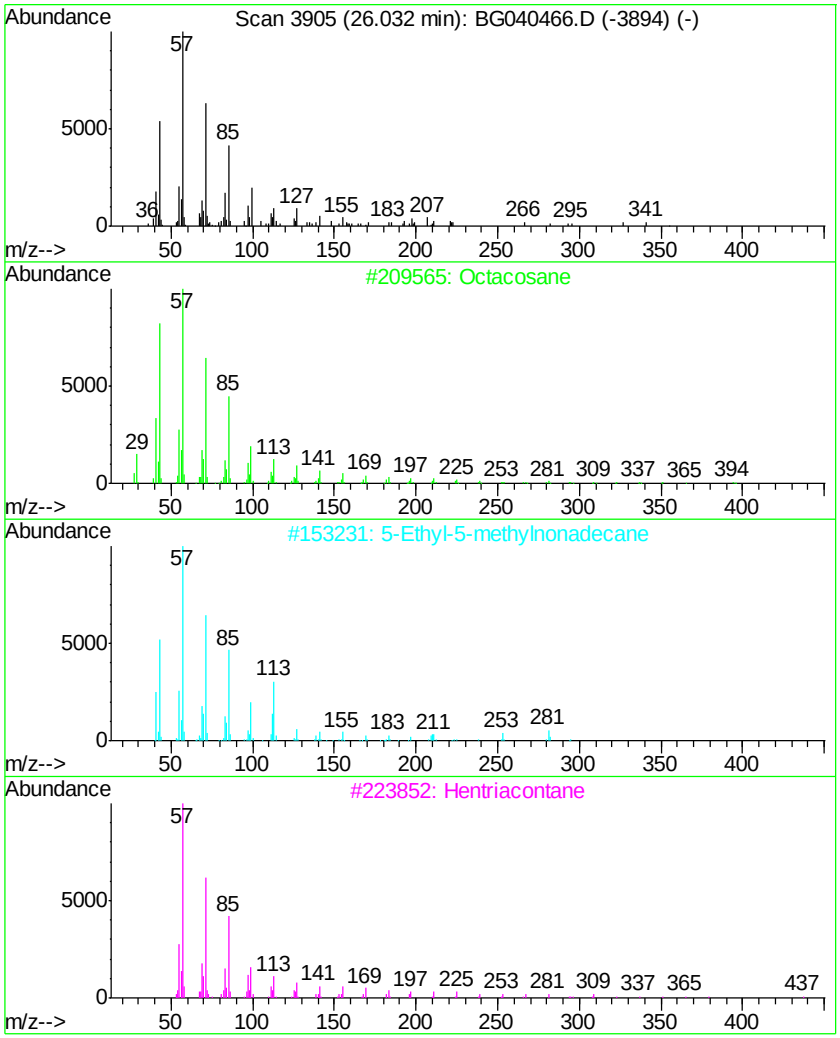
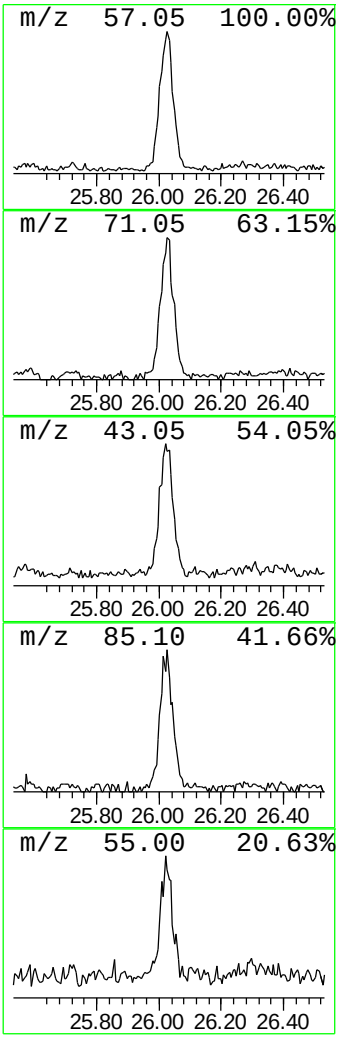
Peak Number 20 Octacosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.03	4.54 ng	180348	Perylene-d12	24.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	87
2	5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	86
3	Hentriacontane	437	C31H64	000630-04-6	83
4	Hexacosane	366	C26H54	000630-01-3	83
5	Tetracosane	338	C24H50	000646-31-1	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG041219\
Data File : BG040466.D
Acq On : 12 Apr 2019 18:09
Operator : JU/SJ
Sample : K2311-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 0238-COMP-CS-3-ELTRT-DISS

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.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
2,2,4-Trimethyl-3...	3.19	5.4	ng	62277	1	8.05	230979	20.0
4-Methylthiazole	4.84	6.5	ng	74454	1	8.05	230979	20.0
Thiazole, 2,4-dim...	5.85	4.5	ng	51398	1	8.05	230979	20.0
unknown7.57	7.57	76.0	ng	878273	1	8.05	230979	20.0
Cyclohexanol, 4-(...	11.24	3.5	ng	51659	2	10.86	294033	20.0
2(3H)-Thiazolone,...	12.55	40.0	ng	588078	2	10.86	294033	20.0
1H-Indene-4-aceti...	17.74	8.2	ng	249639	4	17.42	609510	20.0
n-Hexadecanoic acid	18.28	5.5	ng	167874	4	17.42	609510	20.0
unknown19.13	19.13	4.7	ng	144404	4	17.42	609510	20.0
Pyrrolo[2,3-b]ind...	19.79	3.9	ng	158392	5	21.69	815692	20.0
N-(4-Methoxypheny...	19.89	5.2	ng	211580	5	21.69	815692	20.0
unknown19.97	19.97	4.6	ng	186864	5	21.69	815692	20.0
2-(1-Methyl-1H-te...	20.50	7.2	ng	293049	5	21.69	815692	20.0
unknown20.86	20.86	4.7	ng	190359	5	21.69	815692	20.0
Cyclopentadecane	21.31	3.6	ng	145421	5	21.69	815692	20.0
Heneicosane	23.13	4.2	ng	171620	5	21.69	815692	20.0
Eicosane	23.93	5.3	ng	208836	6	24.96	794232	20.0
Docosane	24.89	5.3	ng	208943	6	24.96	794232	20.0
Octacosane	26.03	4.5	ng	180348	6	24.96	794232	20.0