LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063023\
Data File : BG057934.D
Acq On : 1 Jul 2023 1:27
Operator : CG/JU
Sample : 03375-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2(8-10)

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-BG062723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057934.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.014	323	328	337	rVB	39864	59553	2.16%	0.253%
2	5.484	401	408	420	rBV	912587	1407180	51.13%	5.968%
3	6.595	590	597	606	rBV	1332806	2136150	77.62%	9.060%
4	6.900	644	649	655	rVB2	27832	42040	1.53%	0.178%
5	7.077	671	679	690	rBV	916089	1513728	55.00%	6.420%
6	7.911	814	821	828	rBV	181389	305105	11.09%	1.294%
7	8.128	853	858	865	rVB3	24975	38812	1.41%	0.165%
8	9.068	1002	1018	1028	rBV	531588	981419	35.66%	4.162%
9	9.973	1166	1172	1179	rBV2	27825	50617	1.84%	0.215%
10	10.713	1288	1298	1304	rBV	274490	485145	17.63%	2.058%
11	10.766	1304	1307	1315	rVB4	16985	28757	1.04%	0.122%
12	12.647	1621	1627	1632	rBV	28264	50009	1.82%	0.212%
13	12.958	1674	1680	1684	rBV7	16572	46031	1.67%	0.195%
14	13.169	1709	1716	1728	rBV	1359805	2235424	81.22%	9.481%
15	14.198	1887	1891	1899	rVB2	168888	283608	10.30%	1.203%
16	14.298	1905	1908	1912	rBV4	79783	113572	4.13%	0.482%
17	14.339	1913	1915	1919	rVB3	85042	95852	3.48%	0.407%
18	14.503	1940	1943	1946	rBV3	112565	168976	6.14%	0.717%
19	14.550	1946	1951	1959	rVB	486049	790693	28.73%	3.354%
20	16.037	2199	2204	2209	rBV	1045549	1664916	60.49%	7.061%
21	17.294	2415	2418	2425	rVB	514002	719378	26.14%	3.051%
22	18.193	2568	2571	2578	rVB3	331308	448378	16.29%	1.902%
23	19.909	2858	2863	2868	rVB	1956580	2752163	100.00%	11.673%
24	20.061	2886	2889	2895	rVB	220273	250344	9.10%	1.062%
25	20.449	2950	2955	2962	rVB	1466987	1860513	67.60%	7.891%
26	20.719	2997	3001	3014	rVB3	393939	565996	20.57%	2.401%
27	21.001	3045	3049	3054	rBV	244150	330192	12.00%	1.400%
28	21.189	3076	3081	3089	rBV2	764186	1200269	43.61%	5.091%
29	21.489	3127	3132	3137	rBV	643261	988740	35.93%	4.194%
30	21.548	3137	3142	3155	rVB	548894	973377	35.37%	4.128%
31	24.691	3669	3677	3693	rVB	345208	990925	36.01%	4.203%

Sum of corrected areas: 23577862

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Data File : BG057934.D
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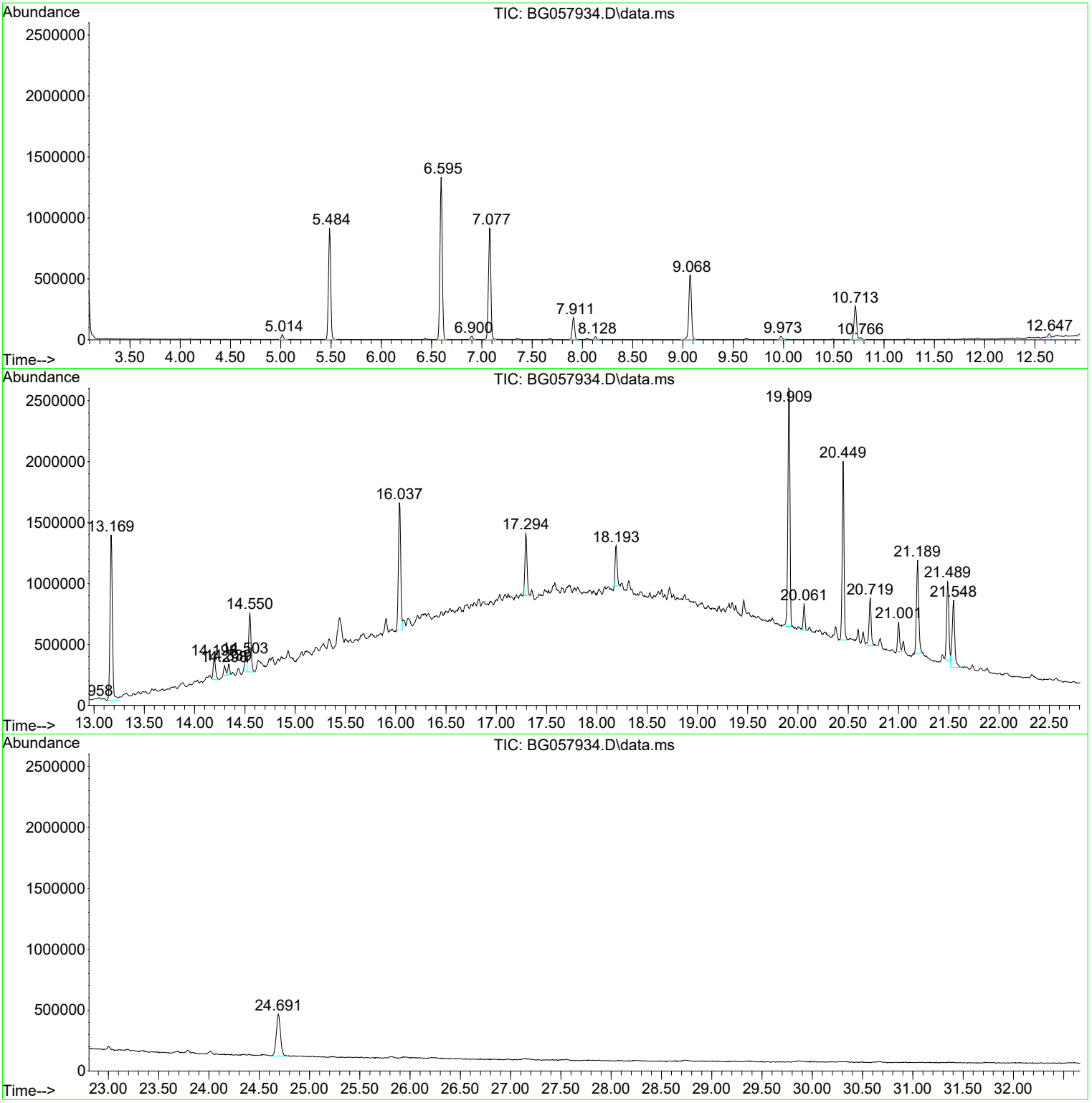
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2(8-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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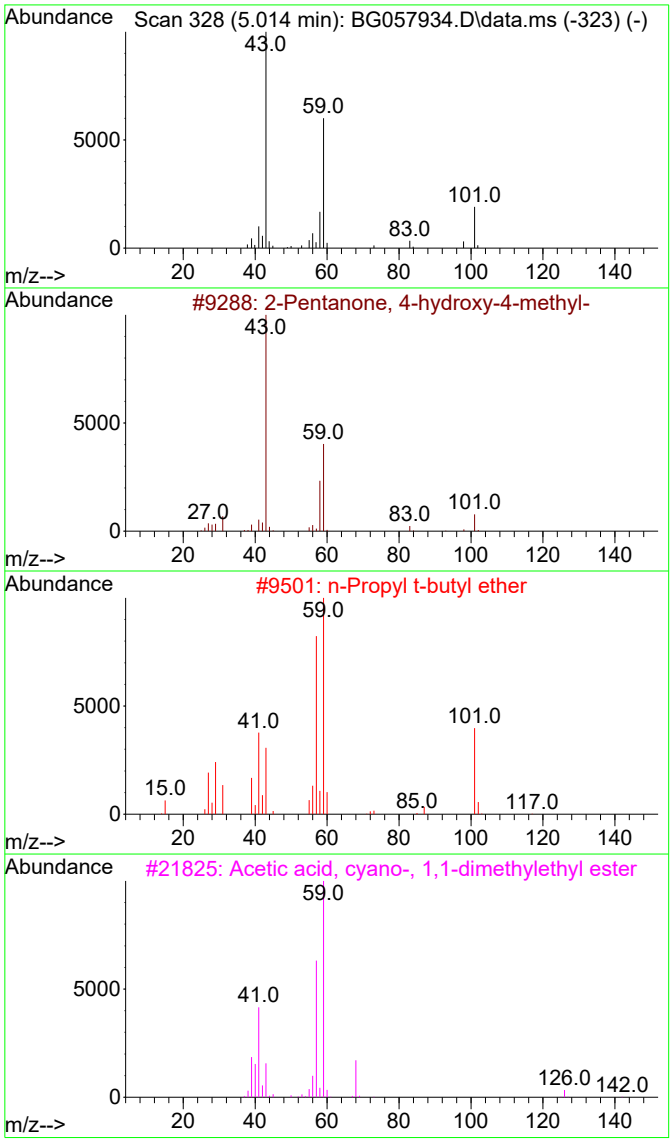
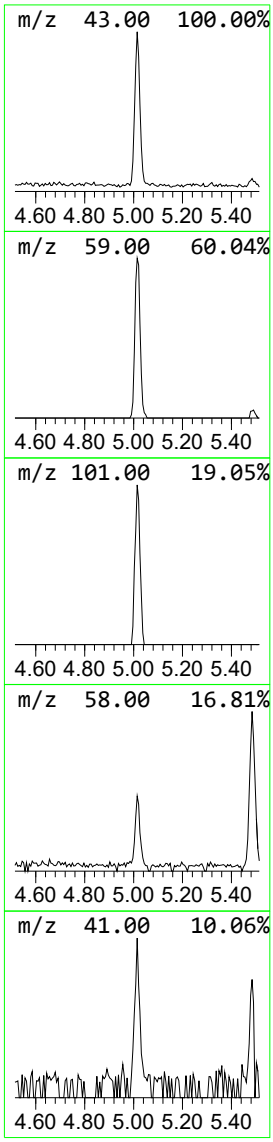
****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.014	3.90 ng	59553	1,4-Dichlorobenzene-d4	7.911

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	36
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	25





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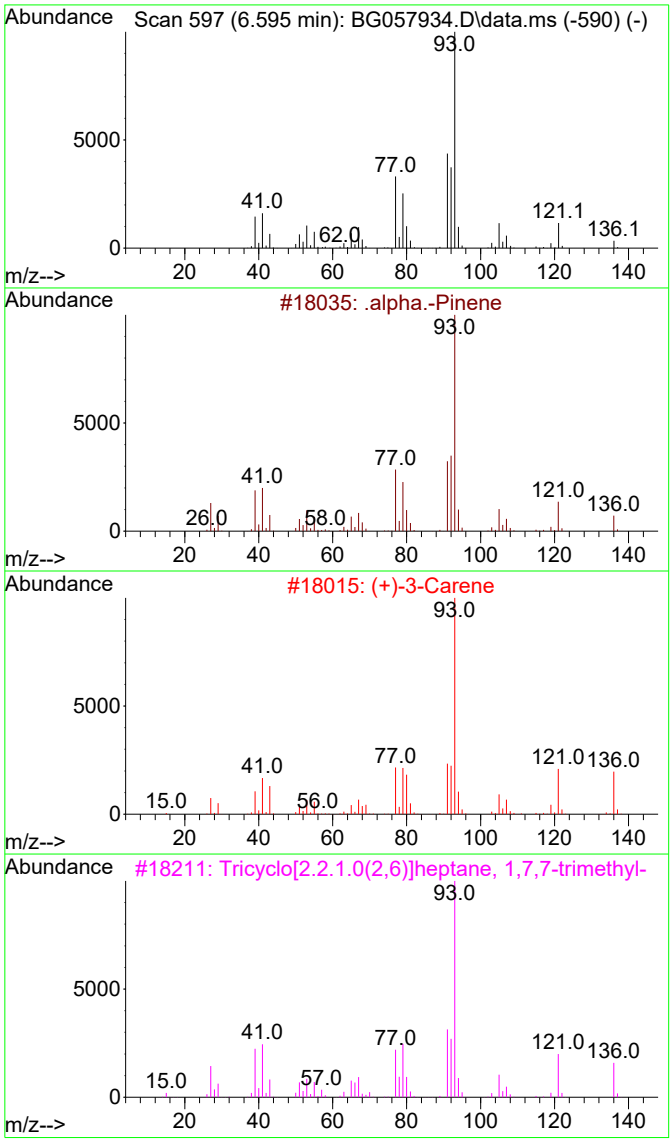
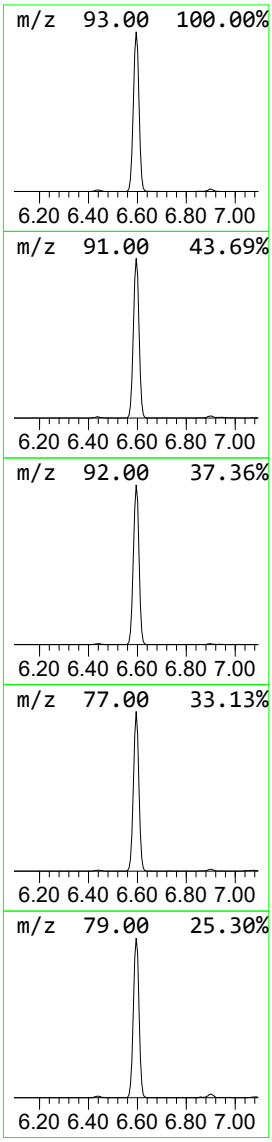
****

Peak Number 2 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.595	140.03 ng	2136150	1,4-Dichlorobenzene-d4	7.911

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	94
2	(+)-3-Carene	136	C10H16	000498-15-7	91
3	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
4	3-Carene	136	C10H16	013466-78-9	91
5	.gamma.-Terpinene	136	C10H16	000099-85-4	91





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ClientSampleId :
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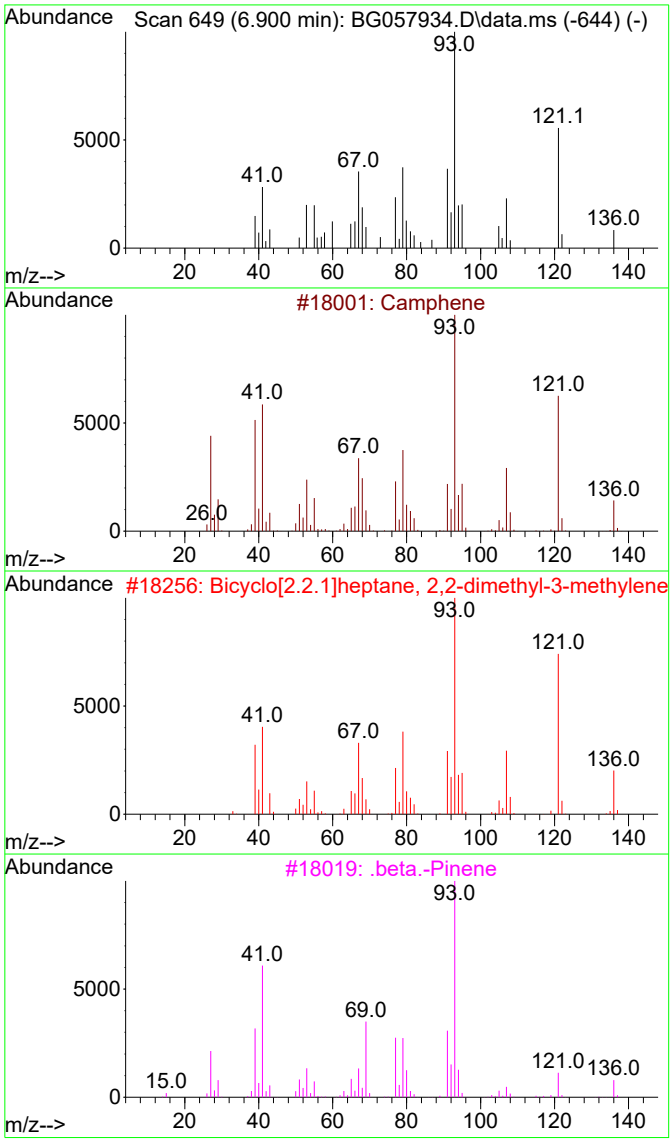
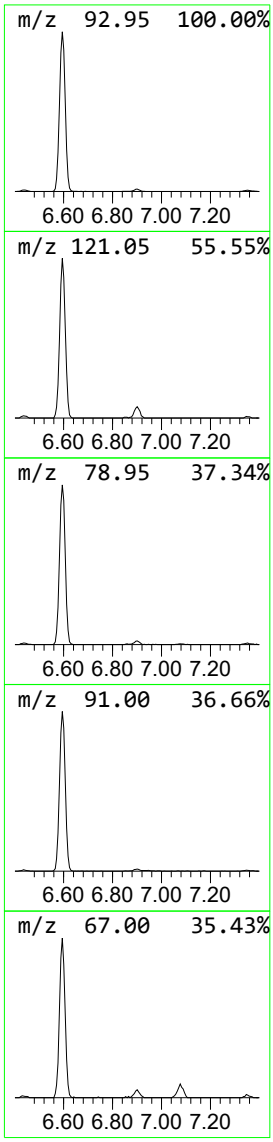
****

Peak Number 3 Camphene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.900	2.76 ng	42040	1,4-Dichlorobenzene-d4	7.911

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	95
2	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	94
3	.beta.-Pinene	136	C10H16	000127-91-3	64
4	Bicyclo[3.1.1]heptane, 6,6-dimet...	136	C10H16	018172-67-3	59
5	Cyclohexene, 3-methyl-6-(1-methy...	136	C10H16	000586-63-0	59





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Sample : 03375-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2(8-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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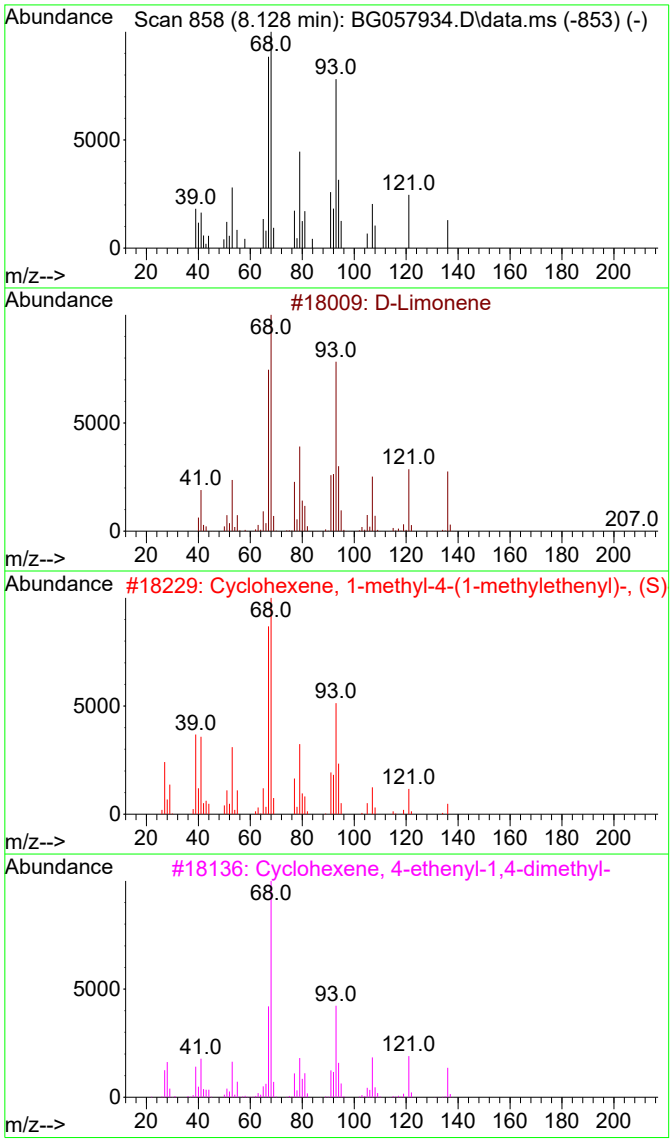
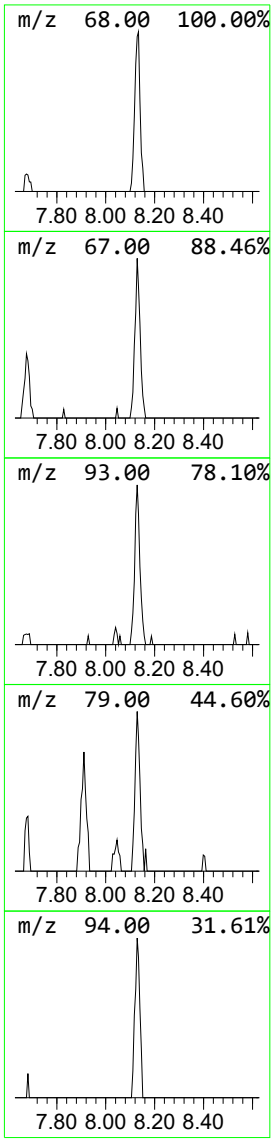
****

Peak Number 4 D-Limonene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.128	2.54 ng	38812	1,4-Dichlorobenzene-d4	7.911

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	94
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	94
3	Cyclohexene, 4-ethenyl-1,4-dimet...	136	C10H16	001743-61-9	89
4	Limonene	136	C10H16	000138-86-3	81
5	1,5-Cyclooctadiene, 1,5-dimethyl-	136	C10H16	003760-14-3	70





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Operator : CG/JU
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2(8-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
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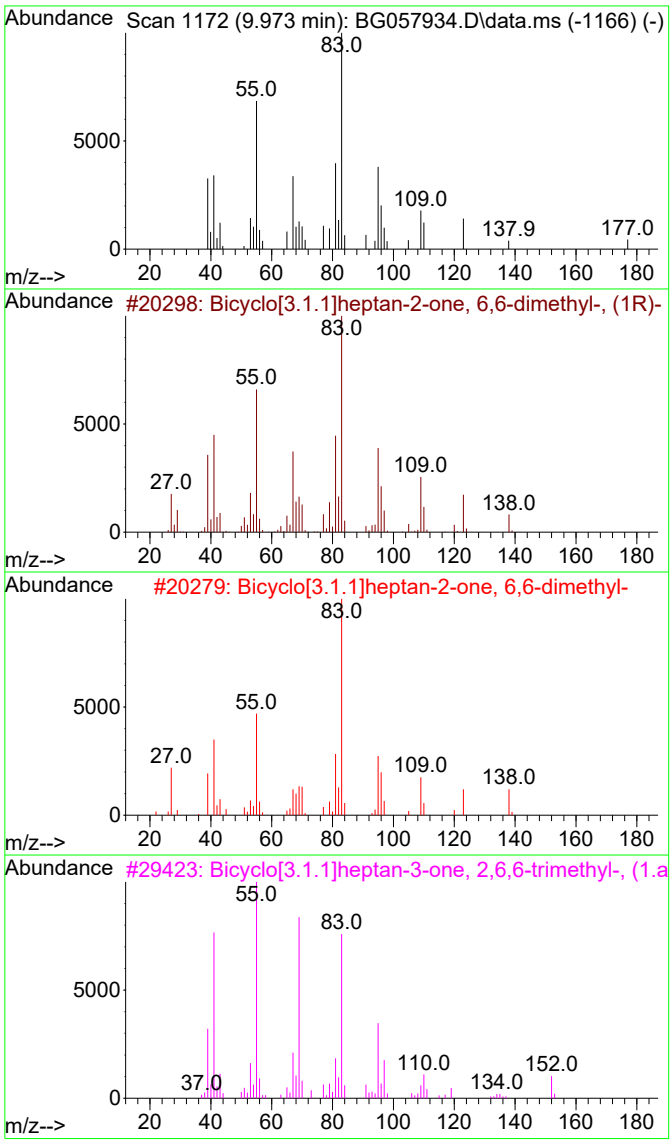
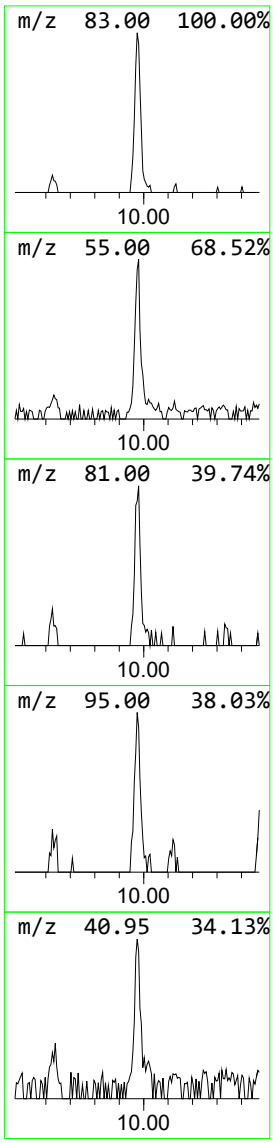
****
Peak Number 5 Bicyclo[3.1.1]heptan-2-one,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.973	2.09 ng	50617	Naphthalene-d8	10.714

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	038651-65-9	97
2	Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	024903-95-5	72
3	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	50
4	1-Cyclohexylethanol, pentafluoro...	274	C11H15F5O2	1000365-50-1	47
5	Cyclobutanecarboxylic acid, unde...	252	C16H28O2	1000299-13-6	43





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ALS Vial : 17 Sample Multiplier: 1

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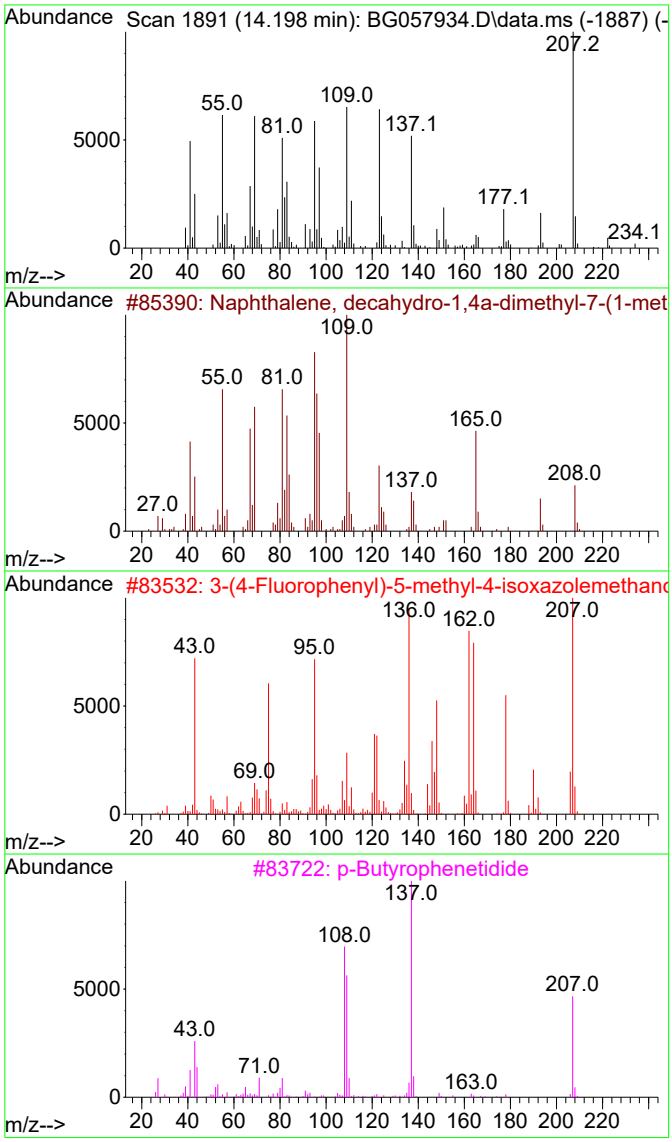
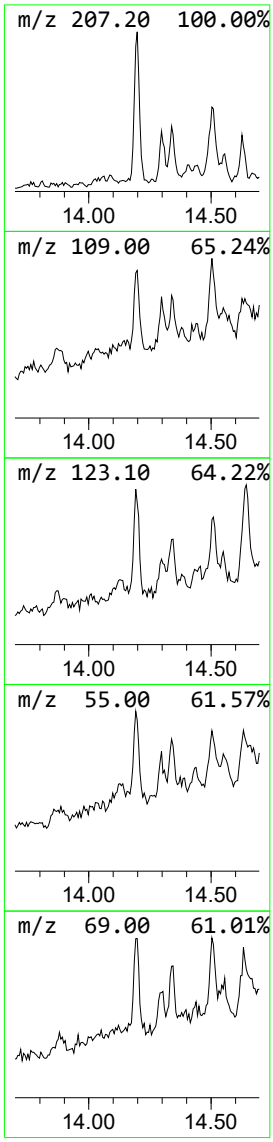
****

Peak Number 6 unknown14.198 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.198	7.17 ng	283608	Acenaphthene-d10	14.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-1,4a-dime...	208	C15H28	030824-81-8	41
2	3-(4-Fluorophenyl)-5-methyl-4-is...	207	C11H10FNO2	1018297-63-6	38
3	p-Butyrophenetidide	207	C12H17NO2	021218-92-8	38
4	Propanamide, N-(4-methoxyphenyl)...	207	C12H17NO2	056619-94-4	35
5	1-Cyclohexanol, 2-(3-methyl-1,3-...	208	C14H24O	1000196-01-6	20





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Misc :
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BNA_G
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TIC Library : C:\Database\NIST20.L
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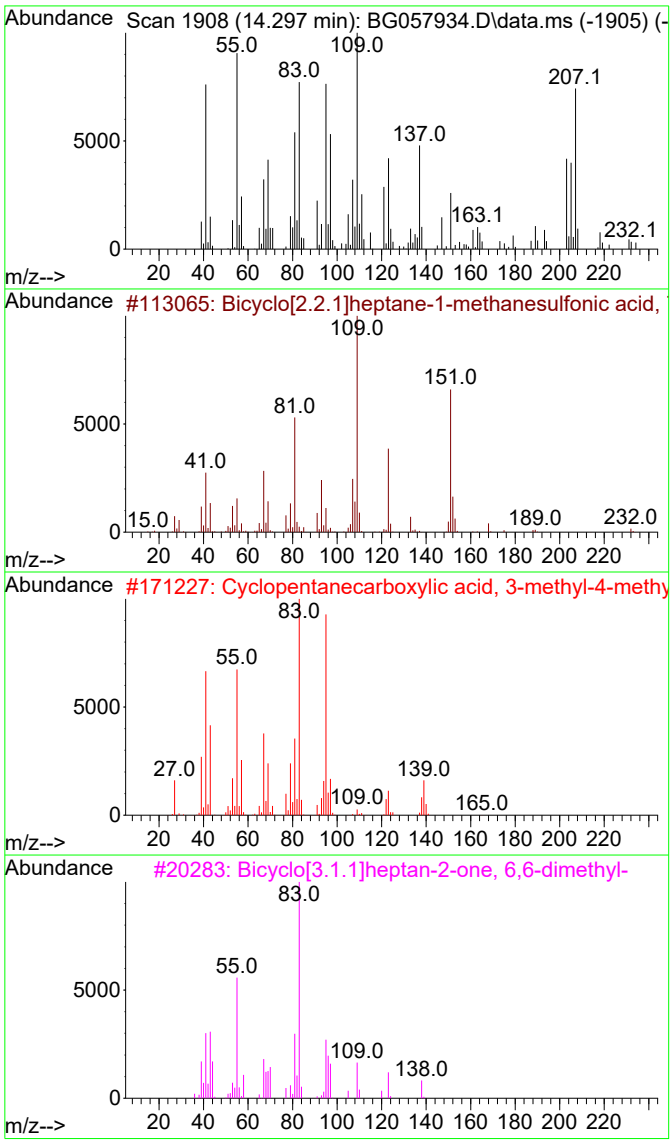
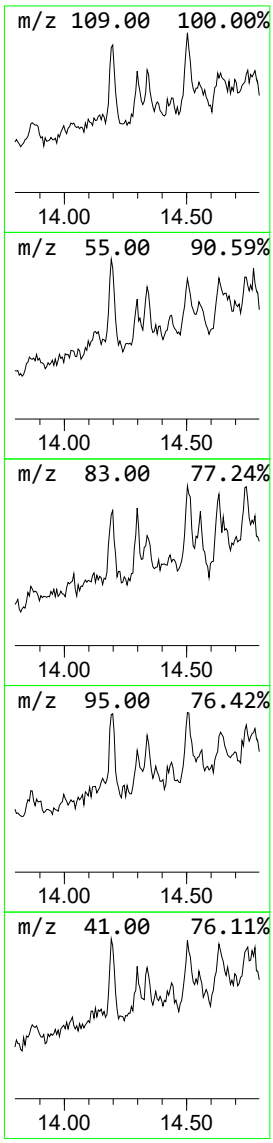
****

Peak Number 7 unknown14.297 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.297	2.87 ng	113572	Acenaphthene-d10	14.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane-1-methanes...	232	C10H16O4S	005872-08-2	25
2	Cyclopentanecarboxylic acid, 3-m...	278	C18H30O2	1000152-25-8	14
3	Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	024903-95-5	11
4	Benzenamine, 3-ethoxy-	137	C8H11NO	000621-33-0	11
5	4,5,6,7-Tetrahydro-1H-indazol-3-...	137	C7H11N3	041832-27-3	11





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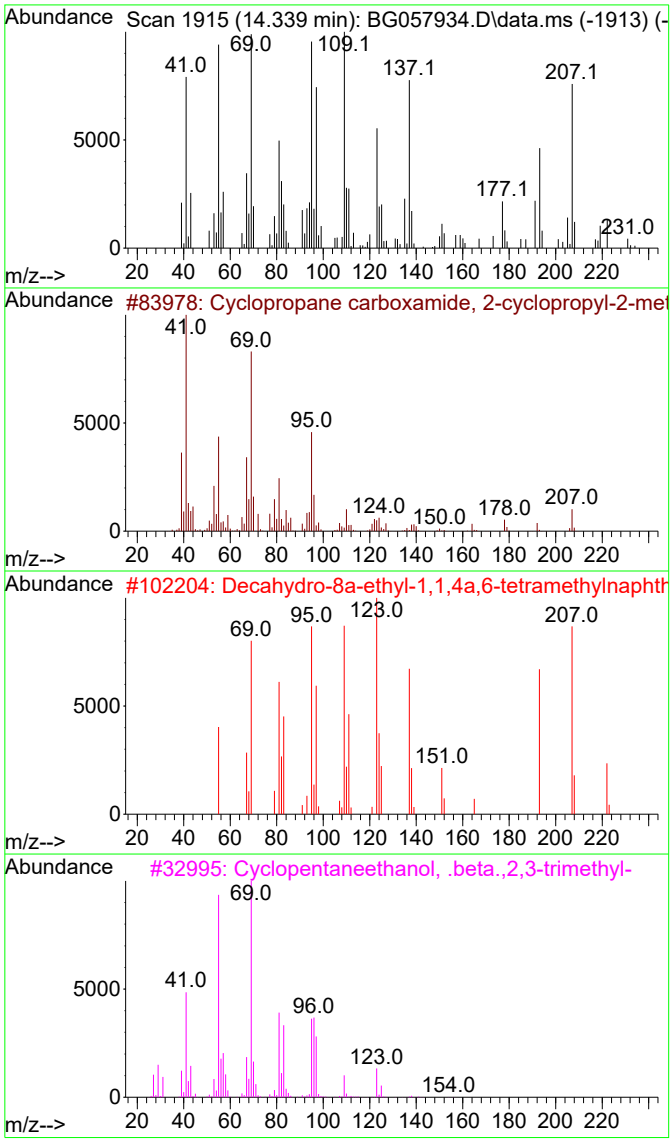
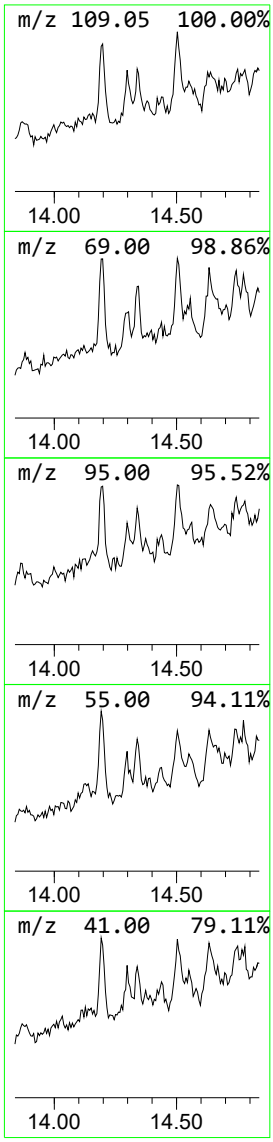
Peak Number 8 unknown14.339 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.339	2.42 ng	95852	Acenaphthene-d10	14.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane carboxamide, 2-cycl...	207	C13H21NO	331416-19-4	41
2	Decahydro-8a-ethyl-1,1,4a,6-tetr...	222	C16H30	1000100-23-6	30
3	Cyclopentaneethanol, .beta.,2,3-...	156	C10H20O	021721-18-6	22
4	Cyclopentene, 1-isopropyl-2,3-di...	138	C10H18	007712-73-4	15
5	cis-4a-Methyl-decahydronaphthalene	152	C11H20	002547-26-4	14





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ClientSampleId :
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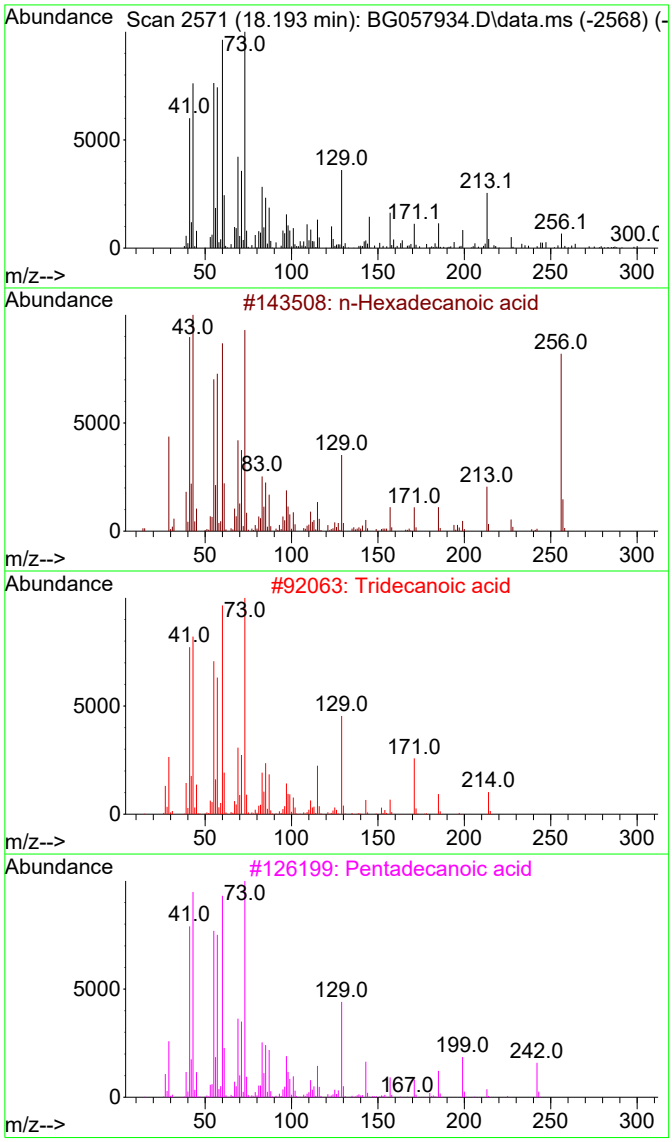
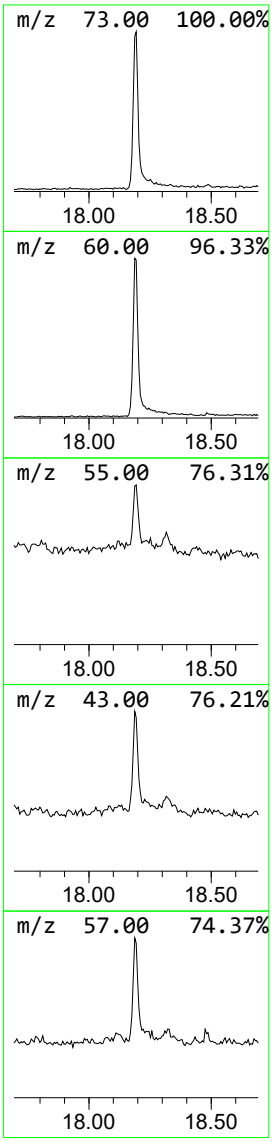
****

Peak Number 9 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.193	12.47 ng	448378	Phenanthrene-d10	17.294

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Octadecanoic acid	284	C18H36O2	000057-11-4	74
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	72





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Data File : BG057934.D
Acq On : 1 Jul 2023 1:27
Operator : CG/JU
Sample : 03375-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2(8-10)

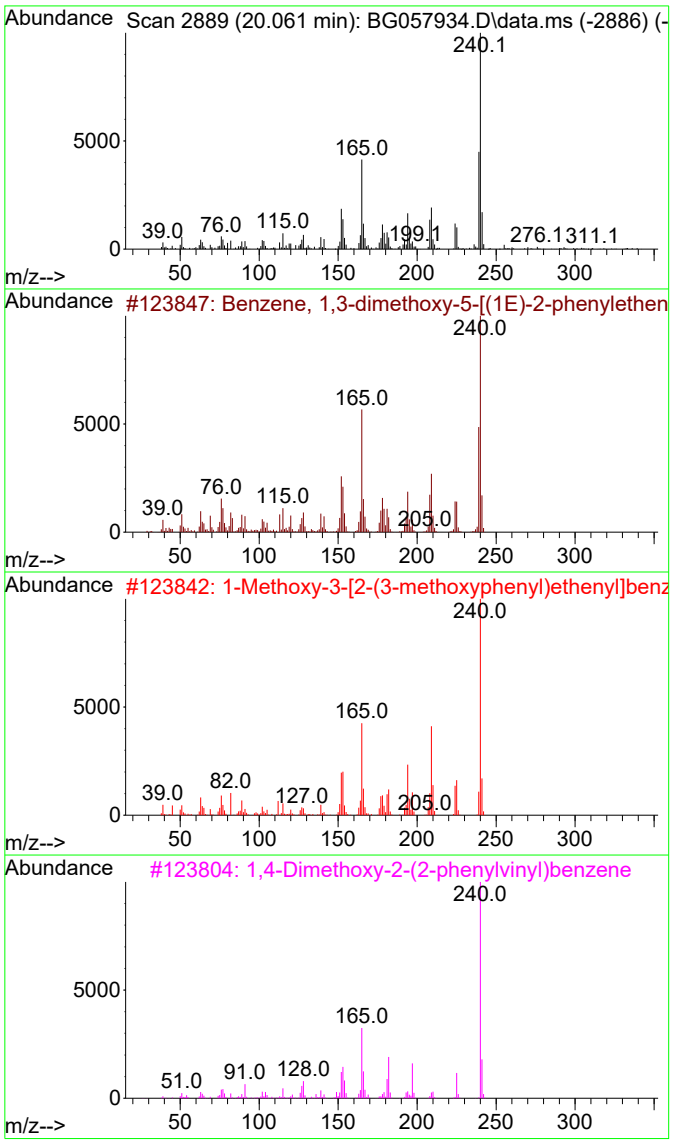
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

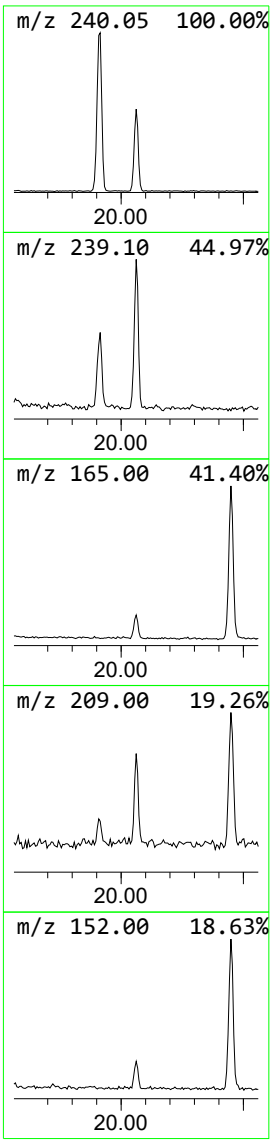
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,3-dimethoxy-5-[(... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.061	5.14 ng	250344	Chrysene-d12	21.548

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethoxy-5-[(1E)-2...	240	C16H16O2	021956-56-9	98
2	1-Methoxy-3-[2-(3-methoxyphenyl)...	240	C16H16O2	006325-63-9	86
3	1,4-Dimethoxy-2-(2-phenylvinyl)b...	240	C16H16O2	021889-09-8	55
4	Benzenamine, 4-[2-(4-nitrophenyl...	240	C14H12N2O2	004629-58-7	53
5	[1,1'-Biphenyl]-4,4'-diamine, 3,...	240	C16H20N2	054827-17-7	53





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Data File : BG057934.D
Acq On : 1 Jul 2023 1:27
Operator : CG/JU
Sample : 03375-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2(8-10)

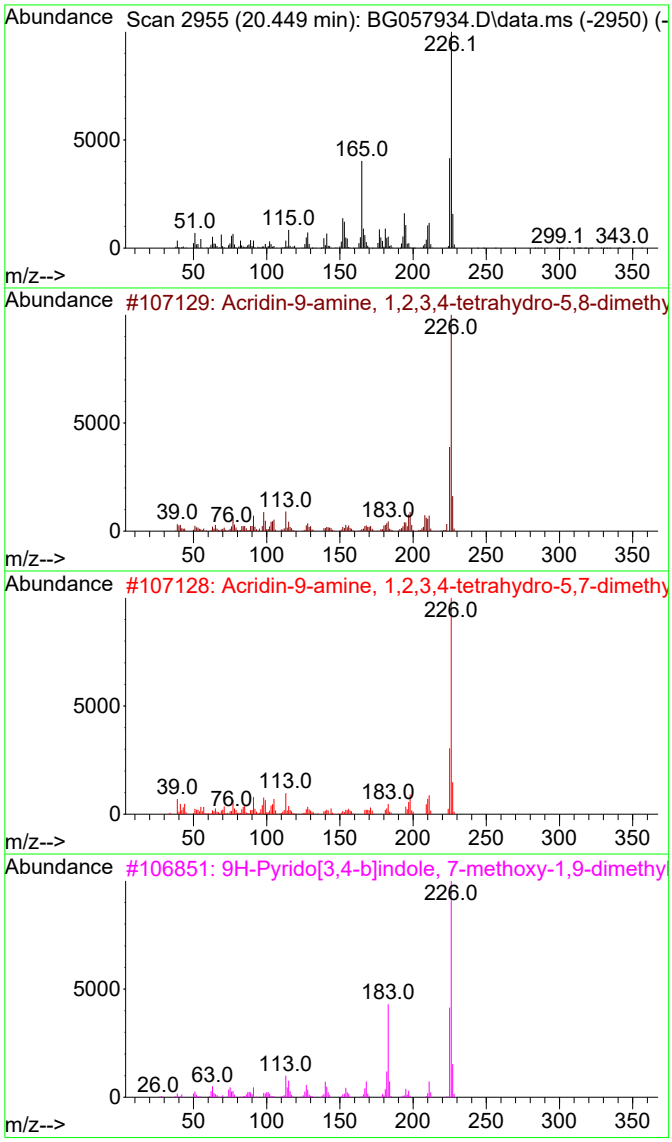
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

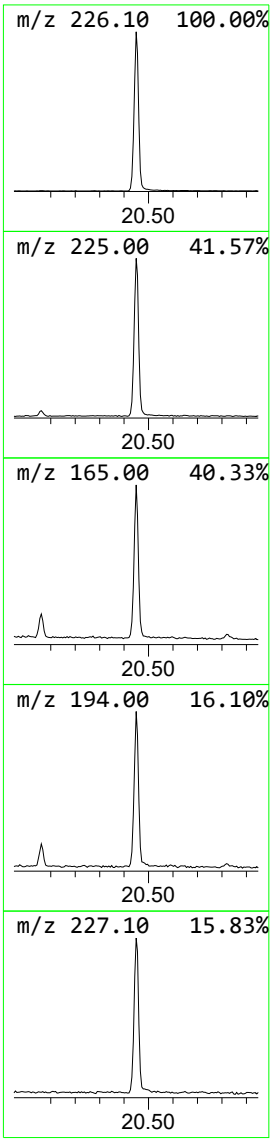
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Acridin-9-amine, 1,2,3,4-te... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.449	38.23 ng	1860510	Chrysene-d12	21.548

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	297758-19-1	70
2	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	1000300-57-6	58
3	9H-Pyrido[3,4-b]indole, 7-methox...	226	C14H14N2O	143502-37-8	52
4	Benzenamine, N-[(4-nitrophenyl)m...	226	C13H10N2O2	000785-80-8	49
5	9H-Xanthen-9-one, 1-methoxy-	226	C14H10O3	006563-60-6	47





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Data File : BG057934.D
Acq On : 1 Jul 2023 1:27
Operator : CG/JU
Sample : 03375-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2(8-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

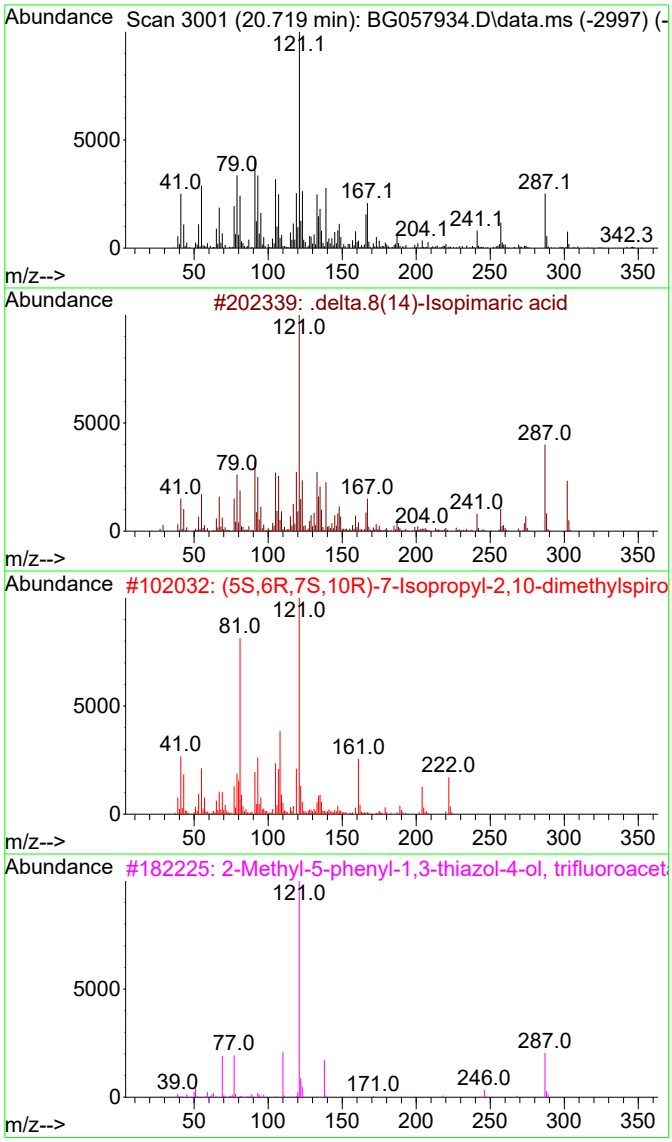
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

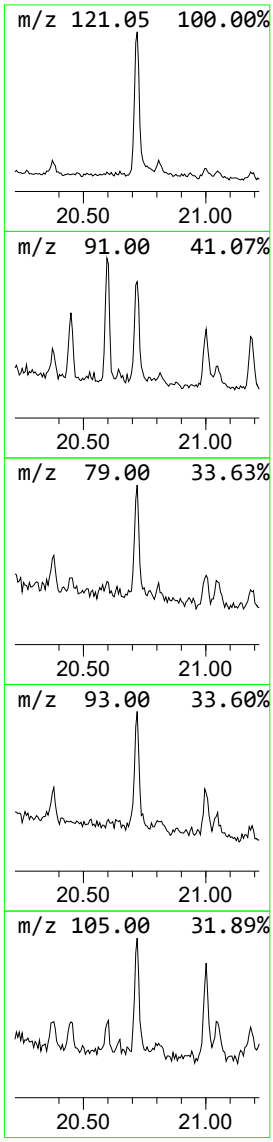
****

Peak Number 12 .delta.8(14)-Isopimaric acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.719	11.63 ng	565996	Chrysene-d12	21.548

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.delta.8(14)-Isopimaric acid	302	C20H30O2	000471-74-9	96
2	(5S,6R,7S,10R)-7-Isopropyl-2,10-...	222	C15H26O	072203-99-7	38
3	2-Methyl-5-phenyl-1,3-thiazol-4-...	287	C12H8F3NO2S	1000471-95-1	35
4	4-methoxyphenylpropane-2-ol	166	C10H14O2	1000378-88-8	35
5	1,3-Cyclohexadiene, 1,5,5,6-tetr...	136	C10H16	000514-94-3	30





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Data File : BG057934.D
Acq On : 1 Jul 2023 1:27
Operator : CG/JU
Sample : 03375-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2(8-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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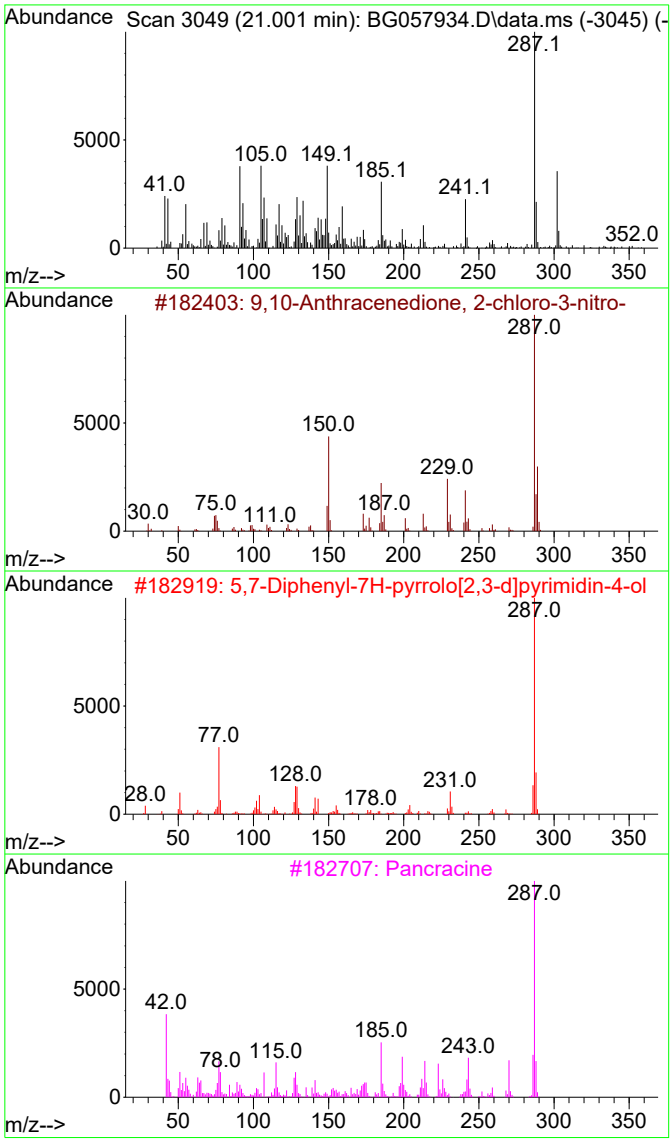
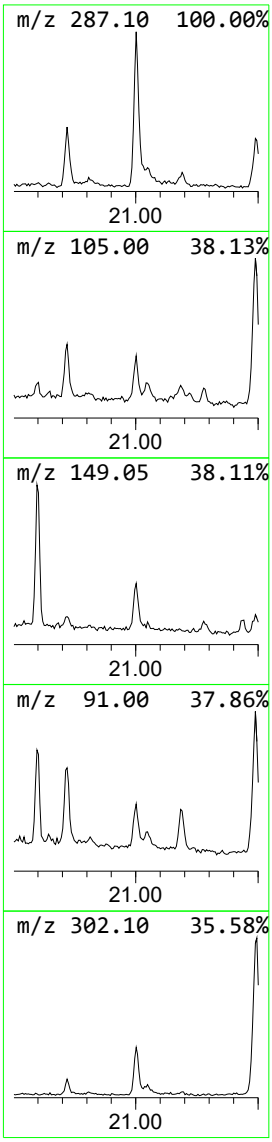
Peak Number 13 unknown21.001 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.001	6.78 ng	330192	Chrysene-d12	21.548

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione, 2-chloro-3...	287	C14H6ClNO4	1000319-31-3	45
2	5,7-Diphenyl-7H-pyrrolo[2,3-d]py...	287	C18H13N3O	287177-12-2	42
3	Pancracine	287	C16H17NO4	021416-14-8	27
4	Benzenamine, 4-methyl-N,N-bis(4-...	287	C21H21N	001159-53-1	25
5	2,6-Di-tert-butylphenol, trifluo...	302	C16H21F3O2	1000467-25-5	25





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Acq On : 1 Jul 2023 1:27
Operator : CG/JU
Sample : 03375-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2(8-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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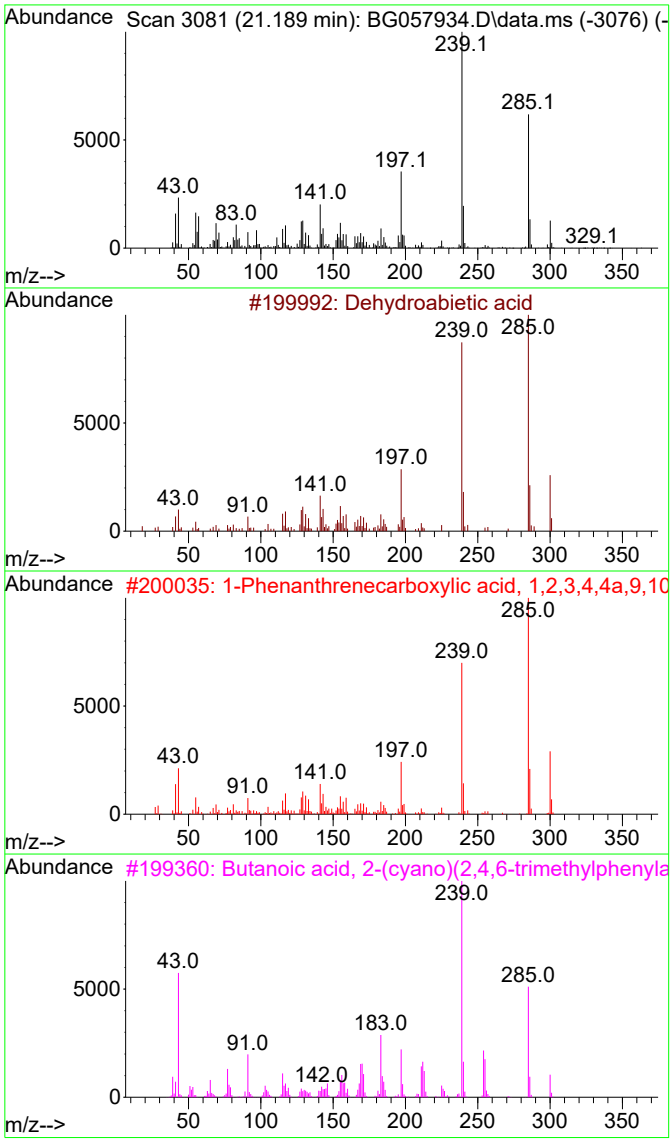
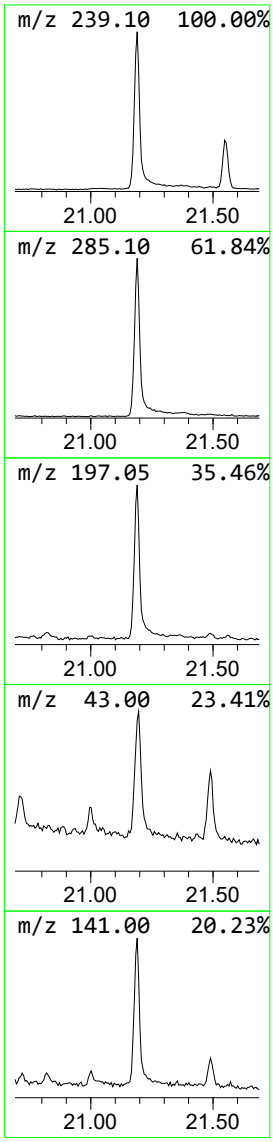
Peak Number 14 Dehydroabietic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.189	24.66 ng	1200270	Chrysene-d12	21.548

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroabietic acid	300	C20H28O2	001740-19-8	96
2	1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	91
3	Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	87
4	3-Quinolinecarboxylic acid, 4-hy...	285	C13H10F3NO3	023851-84-5	53
5	Methyl dehydroabietate	314	C21H30O2	001235-74-1	43





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Data File : BG057934.D
Acq On : 1 Jul 2023 1:27
Operator : CG/JU
Sample : 03375-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2(8-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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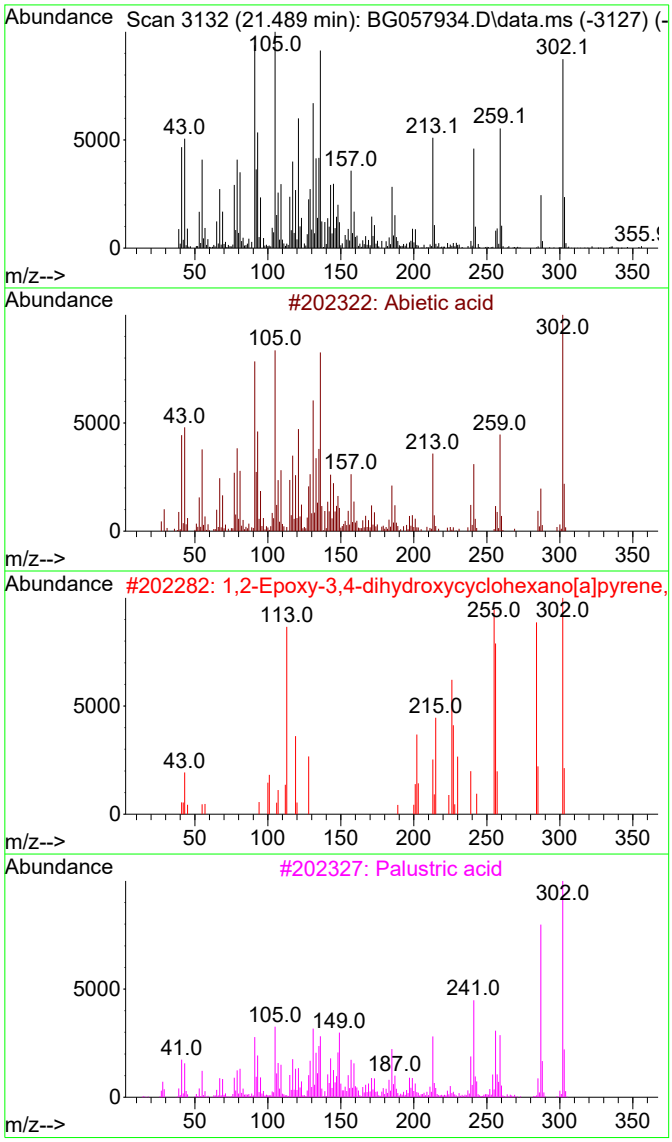
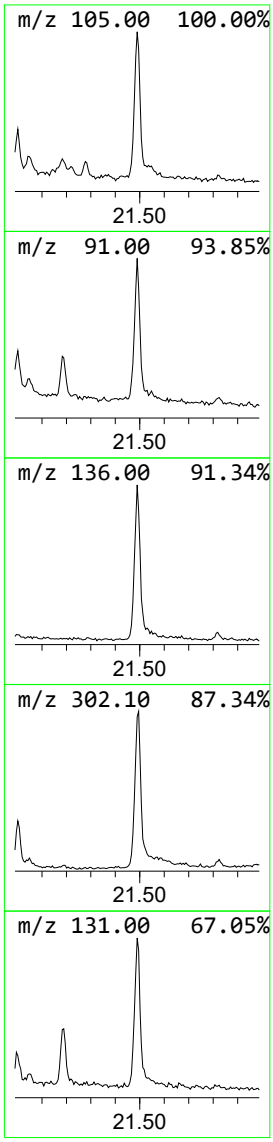
Peak Number 15 Abietic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.489	20.32 ng	988740	Chrysene-d12	21.548

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Abietic acid	302	C20H30O2	000514-10-3	99
2	1,2-Epoxy-3,4-dihydroxycyclohexa...	302	C20H14O3	055097-80-8	90
3	Palustric acid	302	C20H30O2	001945-53-5	76
4	.beta.-Pimaric acid	302	C20H30O2	000079-54-9	49
5	2,3-Dimethylanisole	136	C9H12O	002944-49-2	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG063023\
Data File : BG057934.D
Acq On : 1 Jul 2023 1:27
Operator : CG/JU
Sample : 03375-04
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-2(8-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG062723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.014	3.9	ng	59553	1	7.911	305105	20.0
.alpha.-Pinene	6.595	140.0	ng	2136150	1	7.911	305105	20.0
Camphene	6.900	2.8	ng	42040	1	7.911	305105	20.0
D-Limonene	8.128	2.5	ng	38812	1	7.911	305105	20.0
Bicyclo[3.1.1]h...	9.973	2.1	ng	50617	2	10.714	485145	20.0
unknown14.198	14.198	7.2	ng	283608	3	14.550	790693	20.0
unknown14.297	14.297	2.9	ng	113572	3	14.550	790693	20.0
unknown14.339	14.339	2.4	ng	95852	3	14.550	790693	20.0
n-Hexadecanoic ...	18.193	12.5	ng	448378	4	17.294	719378	20.0
Benzene, 1,3-di...	20.061	5.1	ng	250344	5	21.548	973377	20.0
Acridin-9-amine...	20.449	38.2	ng	1860510	5	21.548	973377	20.0
.delta.8(14)-Is...	20.719	11.6	ng	565996	5	21.548	973377	20.0
unknown21.001	21.001	6.8	ng	330192	5	21.548	973377	20.0
Dehydroabietic ...	21.189	24.7	ng	1200270	5	21.548	973377	20.0
Abietic acid	21.489	20.3	ng	988740	5	21.548	973377	20.0