LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
Data File : BG040163.D
Acq On : 27 Mar 2019 1:40
Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

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-BG030419.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	3.194	12	18	26	rBV	247035	581293	18.41%	2.511%
2	3.270	26	31	44	rVB	685870	1070407	33.90%	4.623%
3	5.227	357	364	371	rBV	33754	55949	1.77%	0.242%
4	5.685	436	442	451	rBV	346046	546870	17.32%	2.362%
5	6.795	625	631	639	rBV	24119	36873	1.17%	0.159%
6	7.289	707	715	728	rBV	222143	408684	12.94%	1.765%
7	7.665	770	779	785	rBV	590253	1033784	32.74%	4.465%
8	8.140	854	860	870	rVB	186252	321129	10.17%	1.387%
9	8.375	894	900	907	rBV	39271	67880	2.15%	0.293%
10	8.463	907	915	924	rVB	736919	1285775	40.72%	5.554%
11	9.315	1052	1060	1067	rBV	643029	1188998	37.65%	5.136%
12	9.856	1144	1152	1160	rBV2	53381	95930	3.04%	0.414%
13	10.249	1212	1219	1228	rVB5	24784	57567	1.82%	0.249%
14	10.361	1231	1238	1246	rVB2	32917	59918	1.90%	0.259%
15	10.719	1292	1299	1306	rBV	61550	113582	3.60%	0.491%
16	10.801	1306	1313	1317	rBV3	45501	79203	2.51%	0.342%
17	10.960	1331	1340	1342	rBV	246065	429905	13.61%	1.857%
18	10.995	1342	1346	1358	rVB	457893	811073	25.69%	3.503%
19	11.248	1384	1389	1395	rBV3	29818	52343	1.66%	0.226%
20	11.500	1423	1432	1443	rBV	41337	101830	3.22%	0.440%
21	12.664	1625	1630	1637	rVB3	28305	49813	1.58%	0.215%
22	12.752	1637	1645	1656	rBV	124250	270838	8.58%	1.170%
23	13.386	1743	1753	1766	rBV	1727974	2678836	84.84%	11.571%
24	14.091	1866	1873	1879	rVB5	21248	43647	1.38%	0.189%
25	14.209	1887	1893	1897	rBV	20906	37284	1.18%	0.161%
26	14.767	1981	1988	1995	rBV2	367427	614683	19.47%	2.655%
27	15.289	2065	2077	2088	rBV	688504	1561314	49.44%	6.744%
28	15.395	2092	2095	2102	rVB6	20808	35706	1.13%	0.154%
29	15.812	2160	2166	2178	rBV2	58949	120993	3.83%	0.523%
30	16.253	2234	2241	2250	rBV	897753	1396563	44.23%	6.032%
31	17.510	2449	2455	2461	rBV	506251	753911	23.88%	3.256%
32	18.086	2548	2553	2561	rBV8	33026	79095	2.50%	0.342%
33	18.262	2577	2583	2590	rBV9	31485	74716	2.37%	0.323%
34	18.368	2596	2601	2608	rBV	100288	156408	4.95%	0.676%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
Data File : BG040163.D
Acq On : 27 Mar 2019 1:40
Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

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-BG030419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.509	2619	2625	2639	rBV	366033	663023	21.00%	2.864%
36	18.661	2646	2651	2658	rBV	397869	591937	18.75%	2.557%
37	19.096	2721	2725	2731	rBV5	40782	67767	2.15%	0.293%
38	19.313	2759	2762	2768	rVB3	27942	41901	1.33%	0.181%
39	19.625	2812	2815	2820	rBV4	34861	39435	1.25%	0.170%
40	19.742	2831	2835	2841	rBV	58457	92861	2.94%	0.401%
41	20.101	2890	2896	2902	rBV	2290435	3157689	100.00%	13.639%
42	21.399	3110	3117	3124	rBV3	66204	150558	4.77%	0.650%
43	21.792	3178	3184	3193	rVB	488039	825577	26.14%	3.566%
44	22.550	3310	3313	3318	rVB2	26695	41871	1.33%	0.181%
45	23.267	3429	3435	3442	rBV3	47524	94134	2.98%	0.407%
46	24.095	3569	3576	3584	rVB	43920	102149	3.23%	0.441%
47	25.070	3735	3742	3747	rBV2	39247	103898	3.29%	0.449%
48	25.147	3747	3755	3766	rVB3	262178	780218	24.71%	3.370%
49	26.245	3933	3942	3951	rVB4	32124	93971	2.98%	0.406%
50	27.643	4173	4180	4182	rBV6	15382	31974	1.01%	0.138%

Sum of corrected areas: 23151763

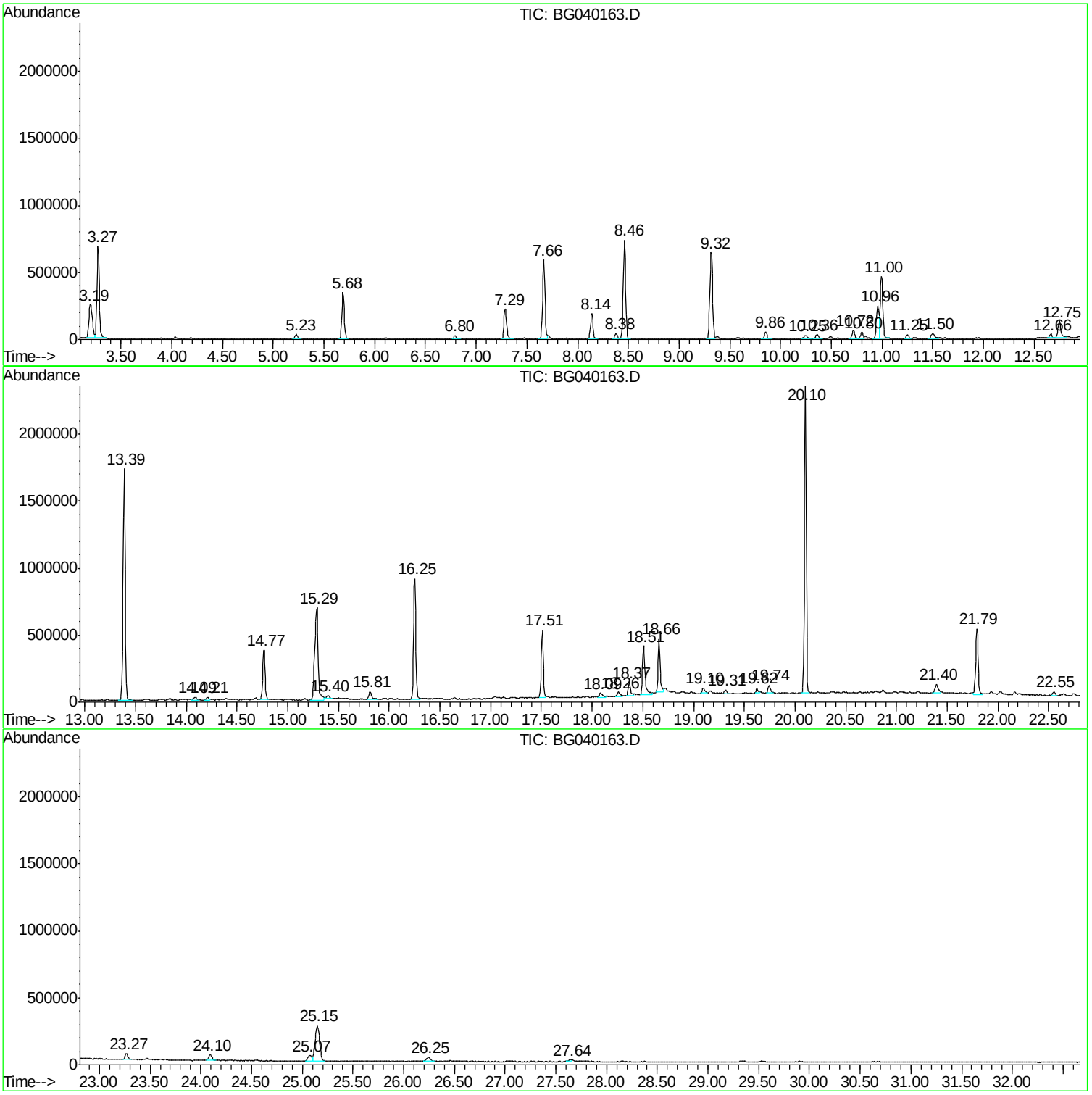
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
Data File : BG040163.D
Acq On : 27 Mar 2019 1:40
Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.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\BG032619\
Data File : BG040163.D
Acq On : 27 Mar 2019 1:40
Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

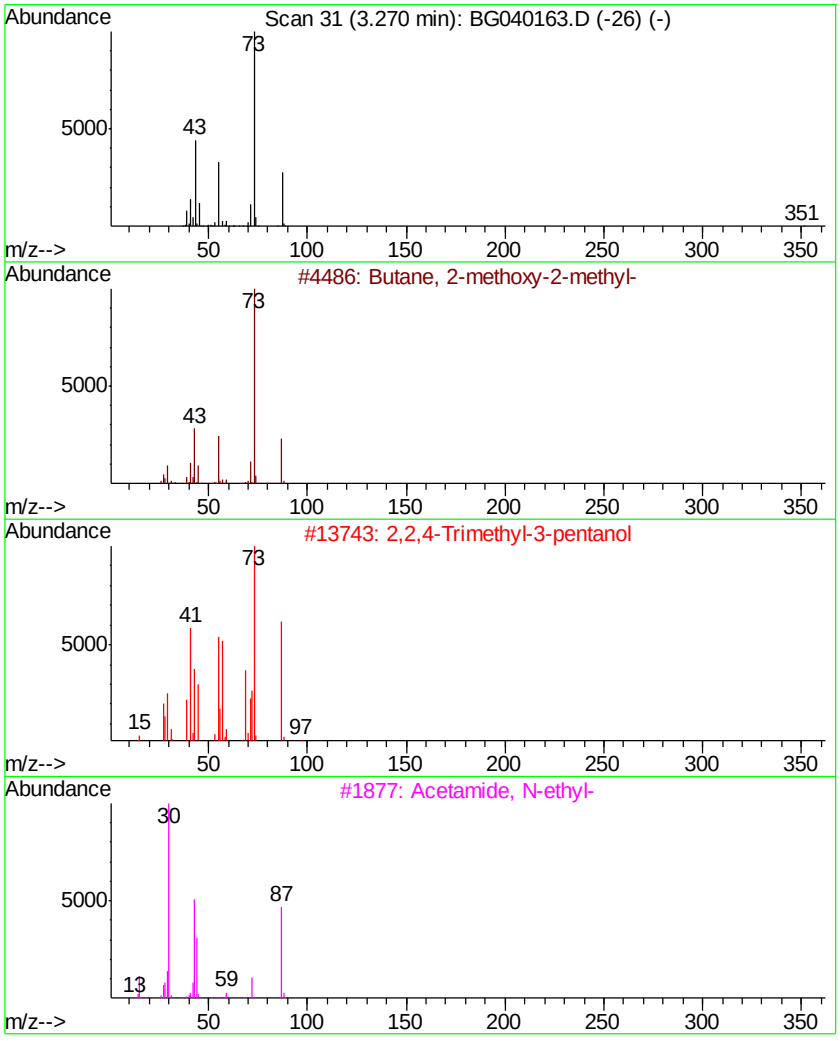
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

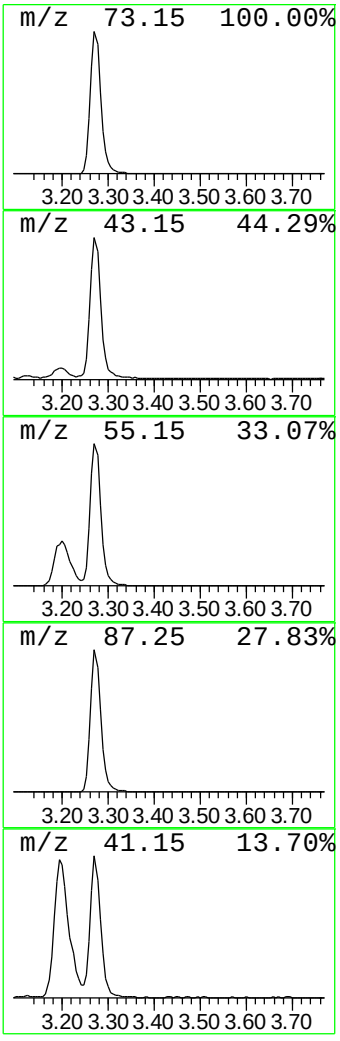
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.27	66.67 ng	1070410	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	35
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
Data File : BG040163.D
Acq On : 27 Mar 2019 1:40
Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

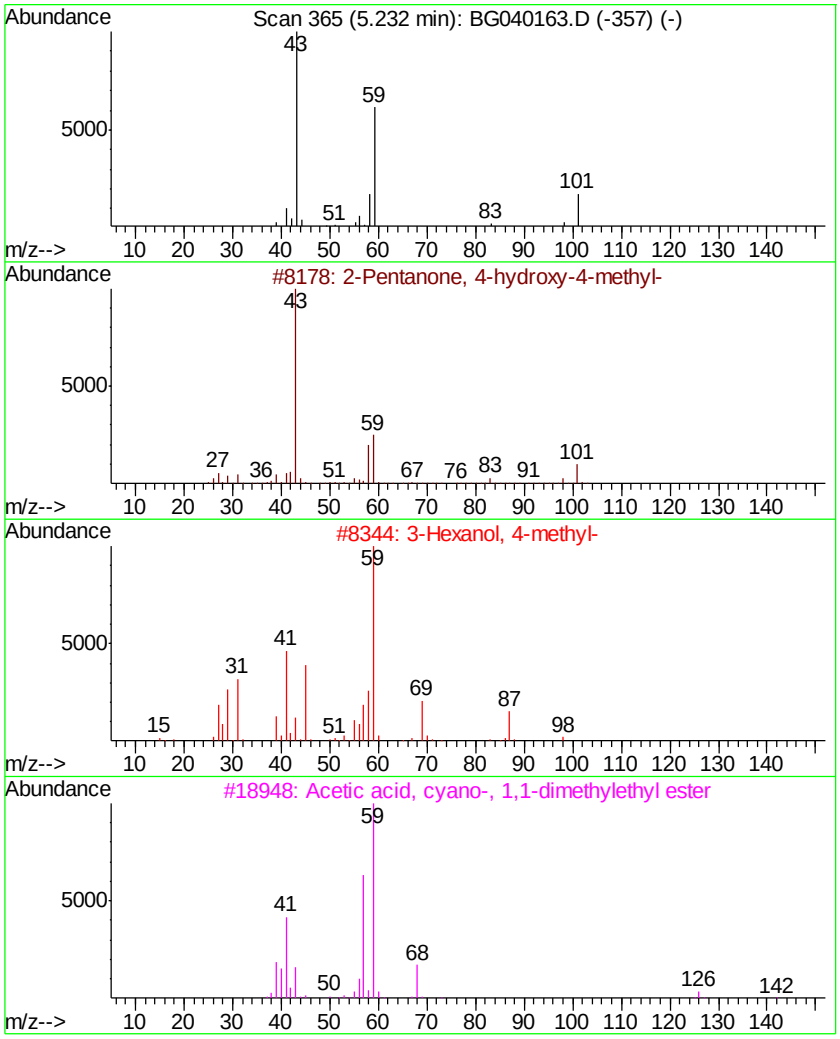
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

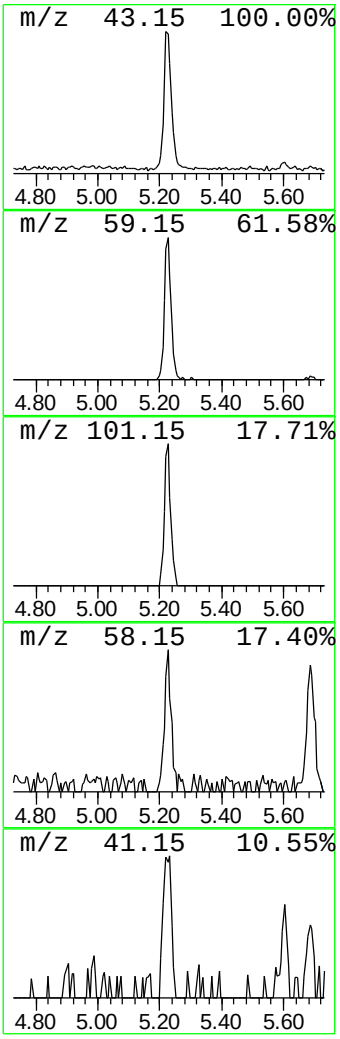
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.23	3.48 ng	55949	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	17
5	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	16





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
Data File : BG040163.D
Acq On : 27 Mar 2019 1:40
Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

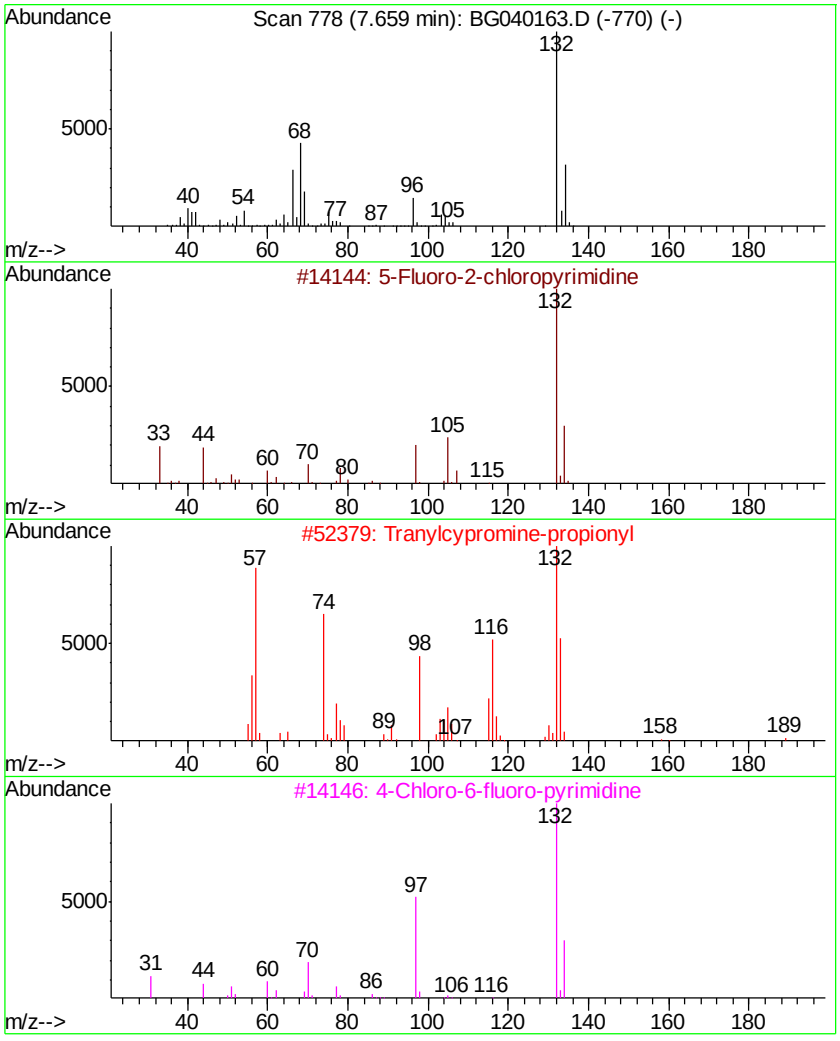
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

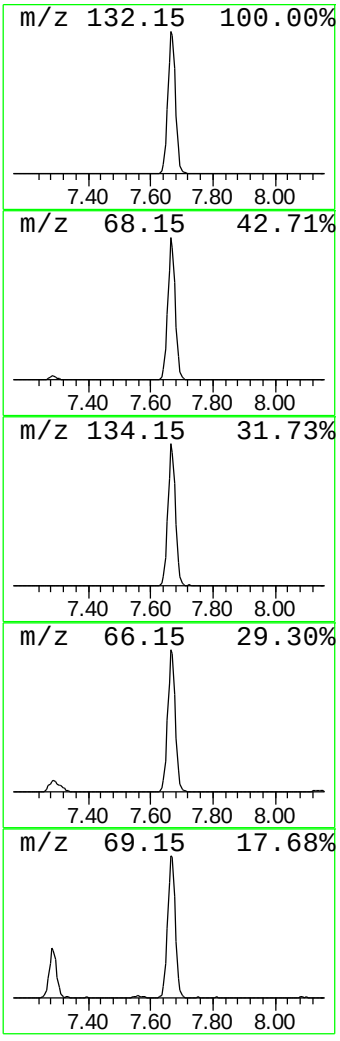
****

Peak Number 4 unknown7.66 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	64.38 ng	1033780	1,4-Dichlorobenzene-d4	8.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
Data File : BG040163.D
Acq On : 27 Mar 2019 1:40
Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

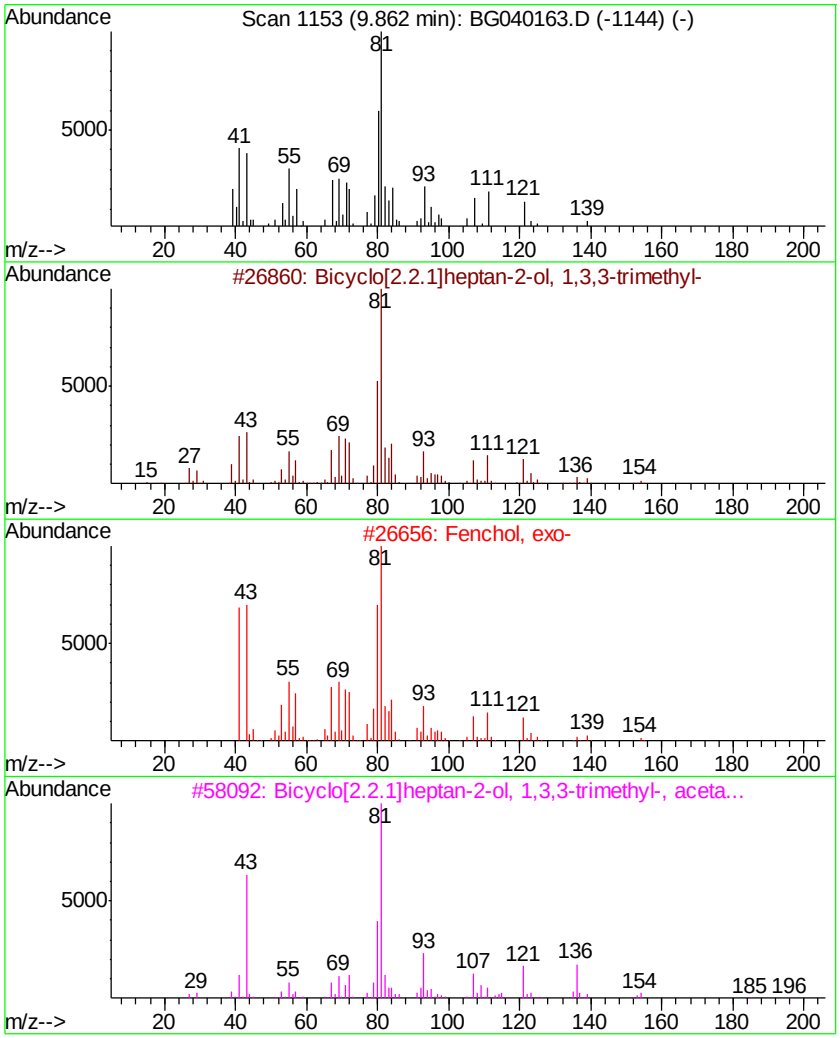
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

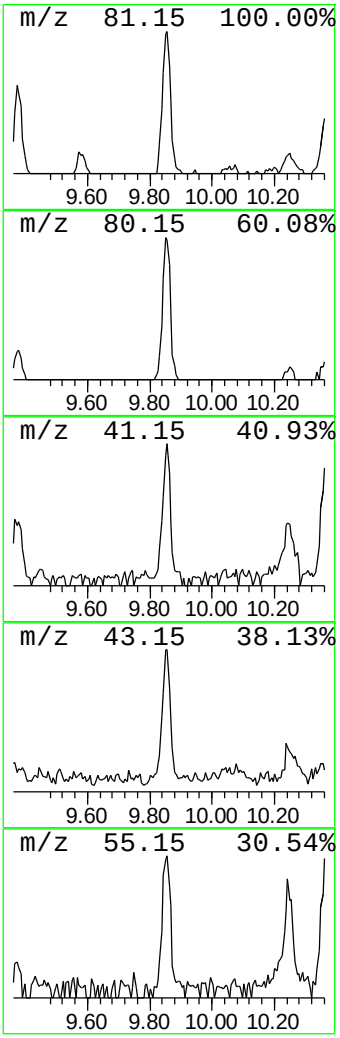
****

Peak Number 6 Bicyclo[2.2.1]heptan-2-ol, ... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	4.46 ng	95930	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	154	C10H18O	001632-73-1	87
2	Fenchol, exo-	154	C10H18O	022627-95-8	74
3	Bicyclo[2.2.1]heptan-2-ol, 1,3,3...	196	C12H20O2	076109-40-5	38
4	Bi-2-cyclohexen-1-yl	162	C12H18	001541-20-4	38
5	1H-Pyrrole, 1-butyl-	123	C8H13N	000589-33-3	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
Data File : BG040163.D
Acq On : 27 Mar 2019 1:40
Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

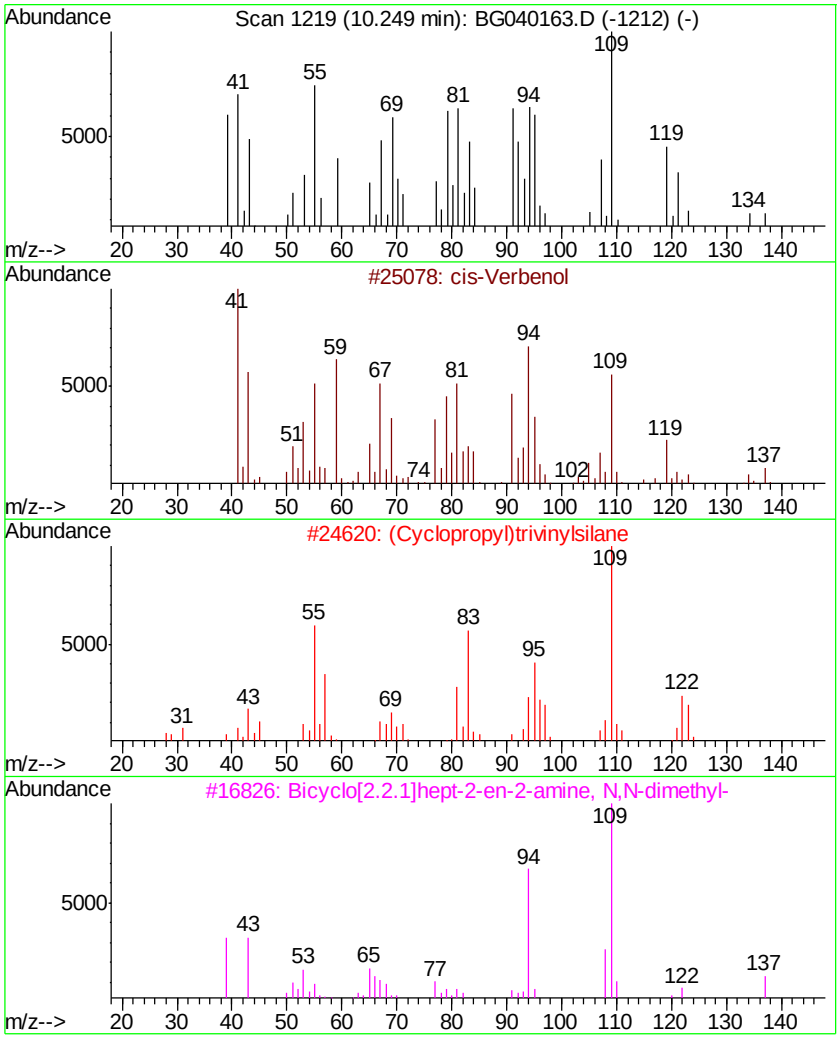
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

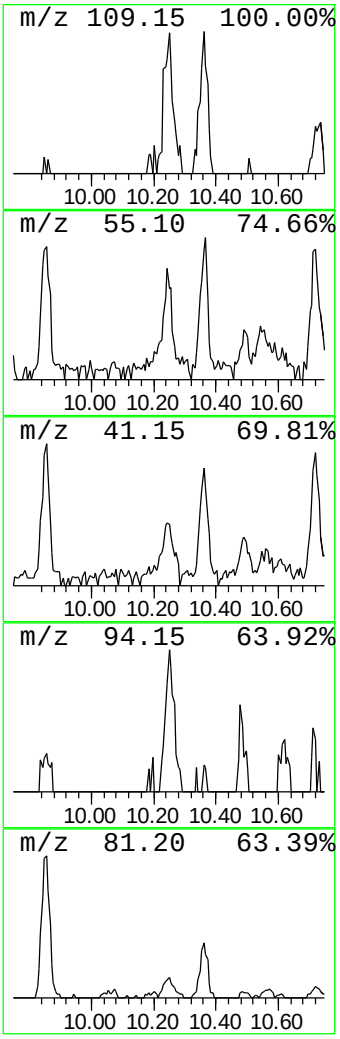
****

Peak Number 7 unknown10.25 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	2.68 ng	57567	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Verbenol	152	C10H16O	001845-30-3	47
2	(Cyclopropyl)trivinylsilane	150	C9H14Si	1000109-93-8	27
3	Bicyclo[2.2.1]hept-2-en-2-amine,...	137	C9H15N	041455-23-6	18
4	Pentanoic acid, 5-cyclopropylide...	154	C9H14O2	162378-01-0	14
5	1H-Pyrrole, 2-ethyl-4-methyl-	109	C7H11N	069687-77-0	14





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Data File : BG040163.D
Acq On : 27 Mar 2019 1:40
Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

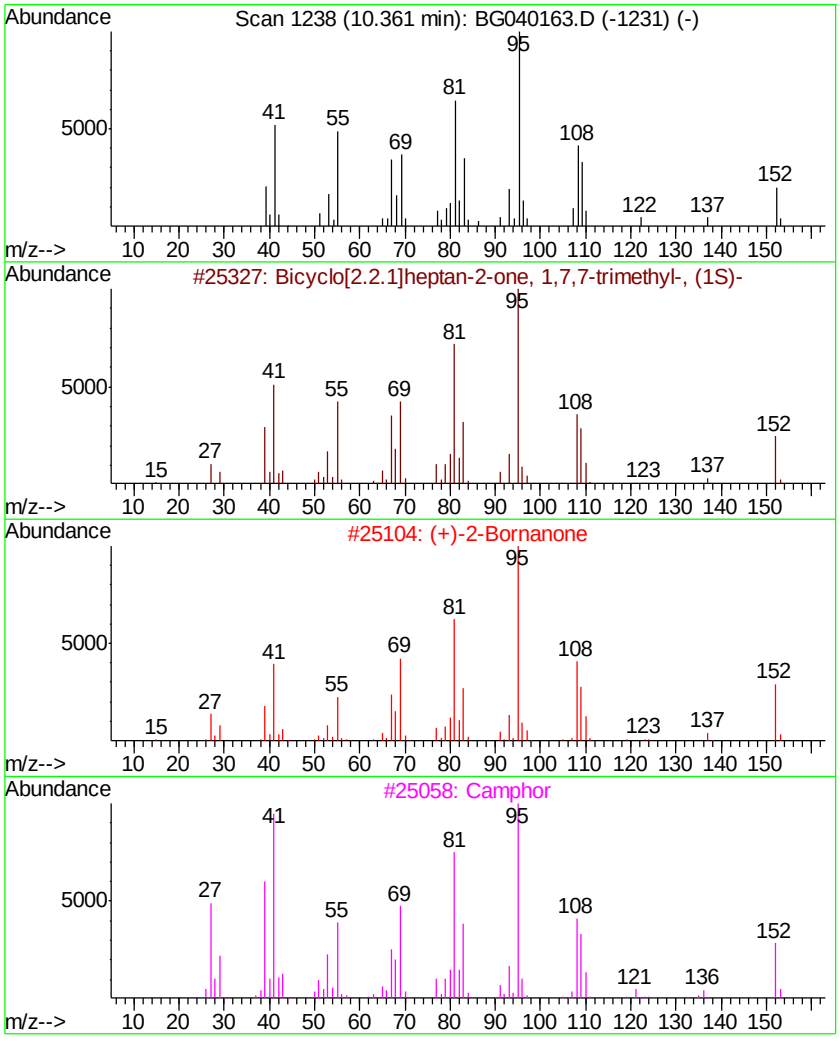
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

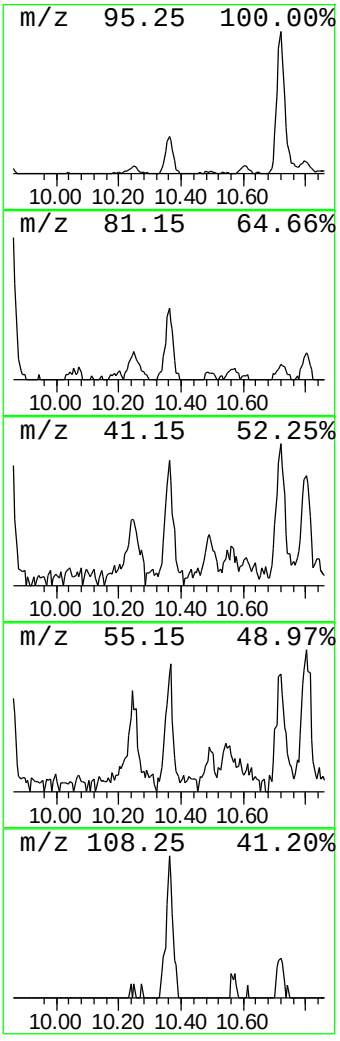
****

Peak Number 8 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	2.79 ng	59918	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	93
2	(+)-2-Bornanone	152	C10H16O	000464-49-3	90
3	Camphor	152	C10H16O	000076-22-2	90
4	Tricyclo[2.2.1.0(2,6)]heptan-3-o...	152	C10H16O	062560-53-6	58
5	4-(1,2-Dimethyl-cyclopent-2-enyl...	166	C11H18O	075698-06-5	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
Data File : BG040163.D
Acq On : 27 Mar 2019 1:40
Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.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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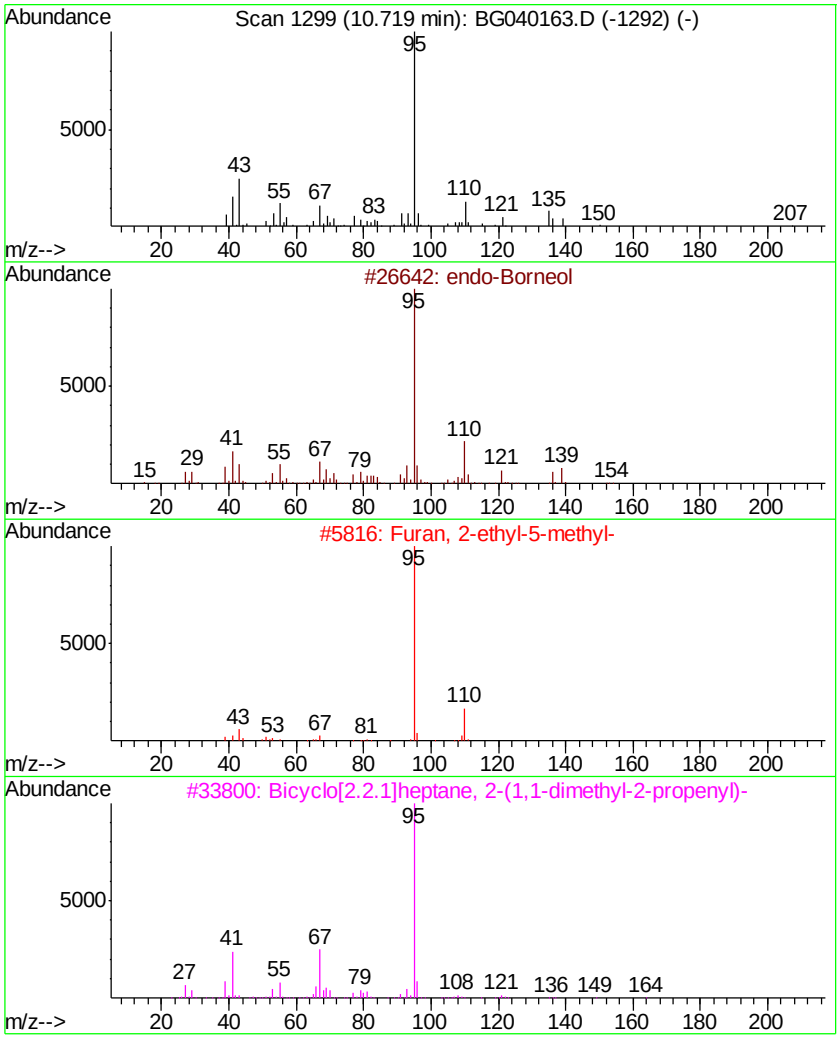
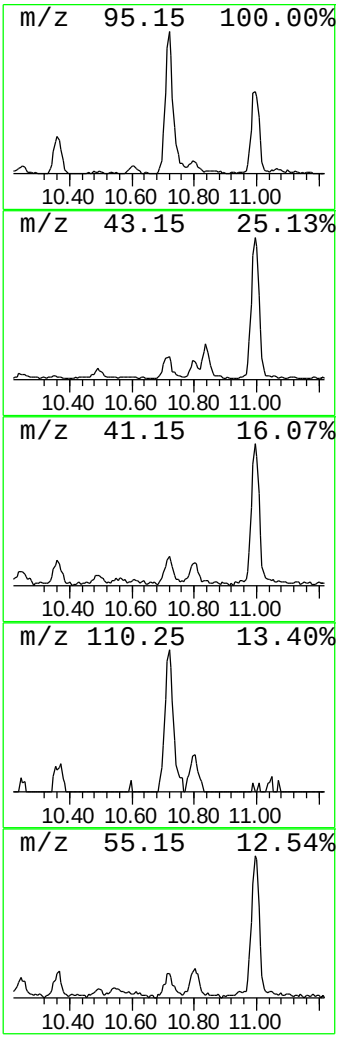
Peak Number 9 endo-Borneol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	5.28 ng	113582	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	endo-Borneol	154	C10H18O	000507-70-0	90
2	Furan, 2-ethyl-5-methyl-	110	C7H10O	001703-52-2	64
3	Bicyclo[2.2.1]heptane, 2-(1,1-di...	164	C12H20	069219-08-5	59
4	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	58
5	Cycloheptane, 1-bromo-3-iodo-	302	C7H12BrI	1000337-09-9	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032619\
Data File : BG040163.D
Acq On : 27 Mar 2019 1:40
Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.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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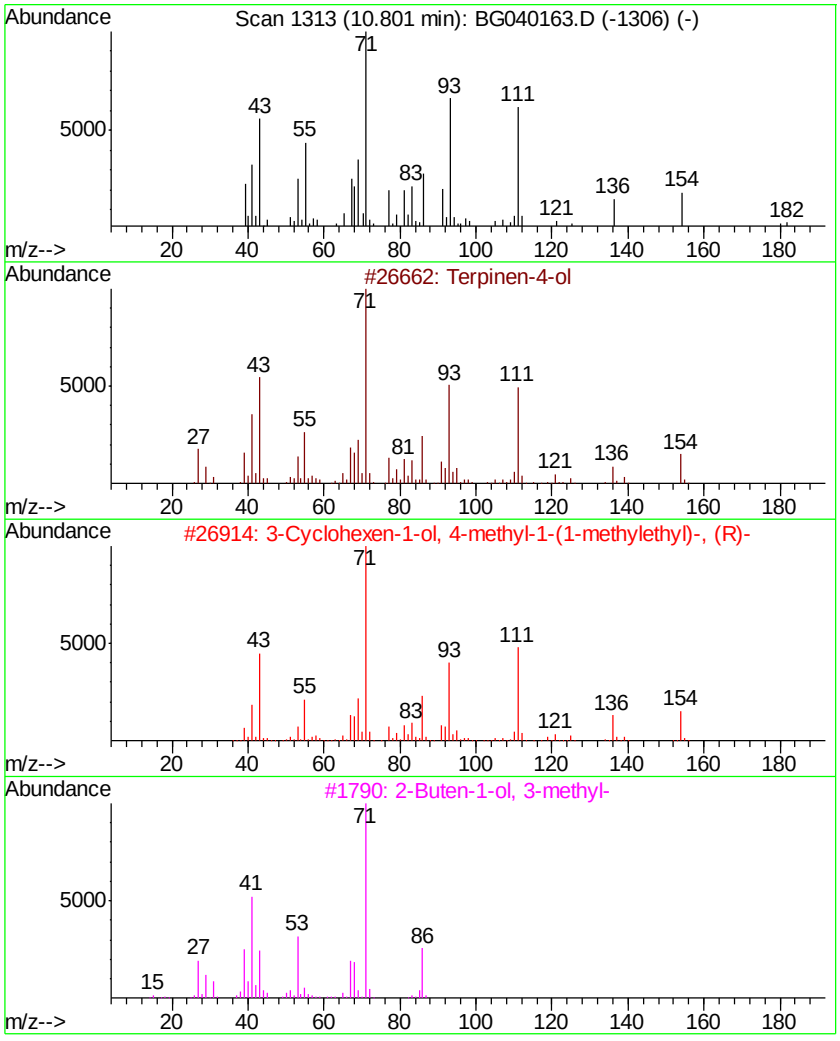
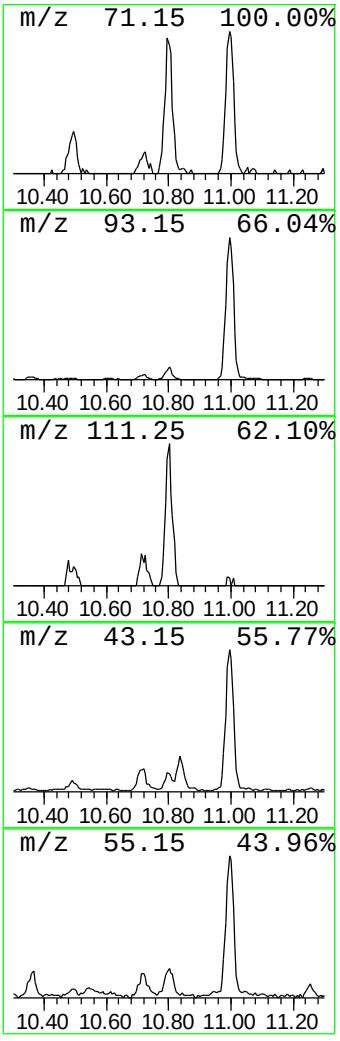
Peak Number 10 Terpinen-4-ol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	3.68 ng	79203	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Terpinen-4-ol	154	C10H18O	000562-74-3	76
2	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	020126-76-5	68
3	2-Buten-1-ol, 3-methyl-	86	C5H10O	000556-82-1	43
4	Spiro[2.4]heptane-5-methanol, 5-...	142	C8H14O2	109532-58-3	27
5	2-Buten-1-ol, 2-methyl-	86	C5H10O	004675-87-0	27





Library Search Compound Report

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Data File : BG040163.D
Acq On : 27 Mar 2019 1:40
Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.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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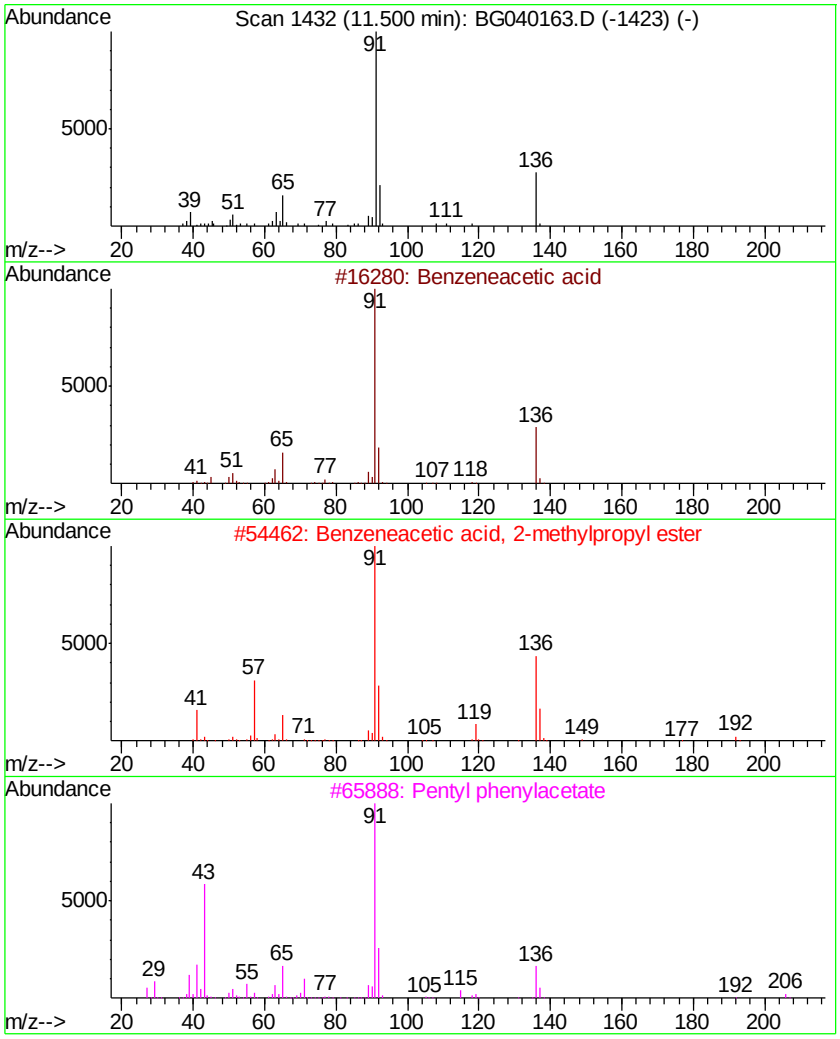
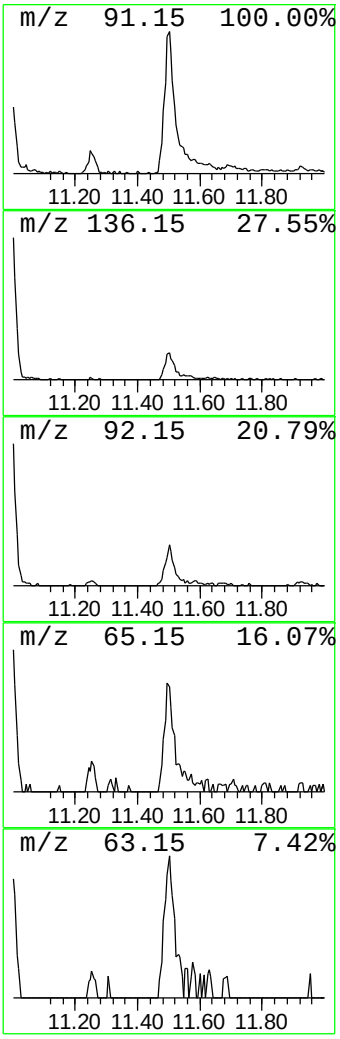
Peak Number 11 Benzeneacetic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	4.74 ng	101830	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid	136	C8H8O2	000103-82-2	87
2	Benzeneacetic acid, 2-methylprop...	192	C12H16O2	000102-13-6	64
3	Pentyl phenylacetate	206	C13H18O2	005137-52-0	64
4	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	59
5	2-Benzyloxy-4-bromobutane-1,3-diol	274	C11H15BrO3	1000191-12-1	50





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Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

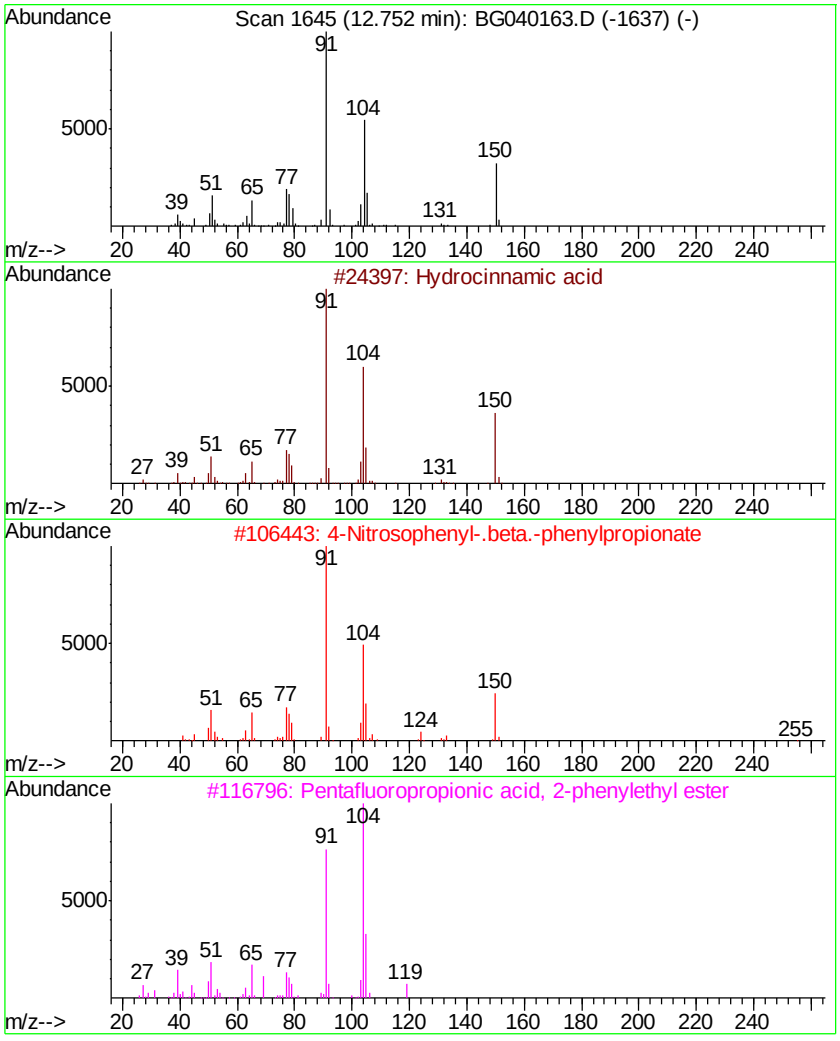
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

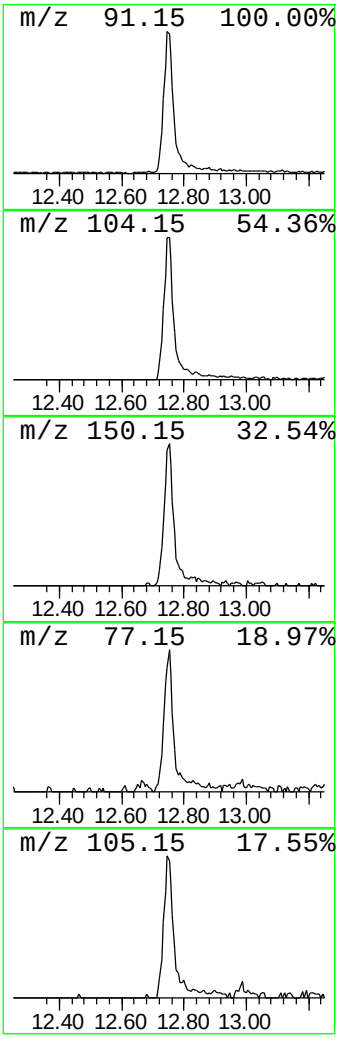
****

Peak Number 12 Hydrocinnamic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	12.60 ng	270838	Naphthalene-d8	10.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrocinnamic acid	150	C9H10O2	000501-52-0	94
2	4-Nitrosophenyl-.beta.-phenylpro...	255	C15H13NO3	1000129-40-0	91
3	Pentafluoropropionic acid, 2-phe...	268	C11H9F5O2	081089-48-7	47
4	Acetic acid, trifluoro-, 2-pheny...	218	C10H9F3O2	055419-66-4	47
5	Benzene, (azidomethyl)-	133	C7H7N3	000622-79-7	38





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Data File : BG040163.D
Acq On : 27 Mar 2019 1:40
Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

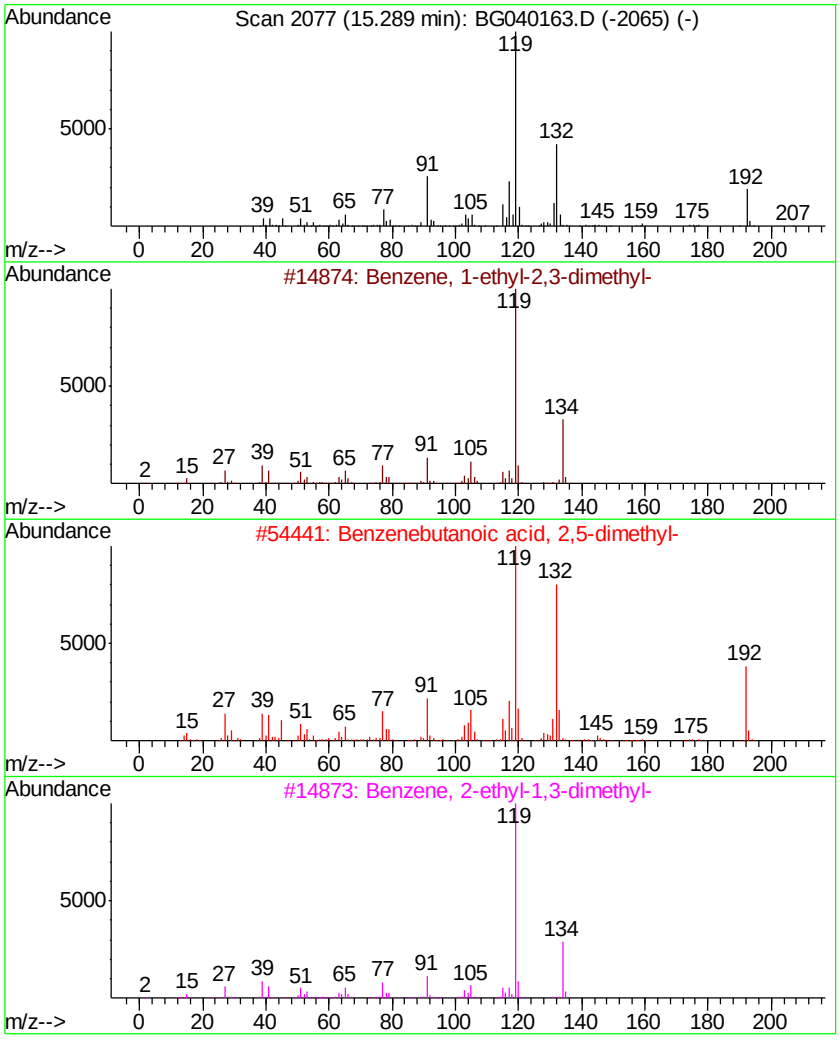
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

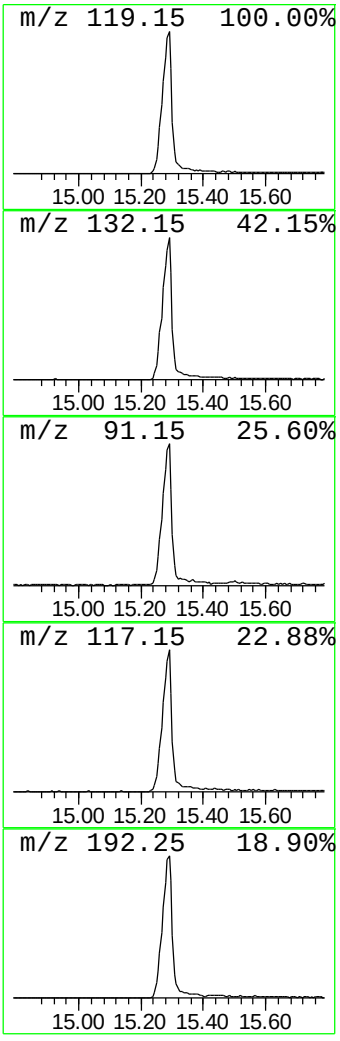
****

Peak Number 13 unknown15.29 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	50.80 ng	1561310	Acenaphthene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	46
2	Benzenebutanoic acid, 2,5-dimethyl-	192	C12H16O2	001453-06-1	45
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	43
4	3,4-Dimethylbenzyl isothiocyanate	177	C10H11NS	206559-59-3	43
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	43





Library Search Compound Report

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Acq On : 27 Mar 2019 1:40
Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.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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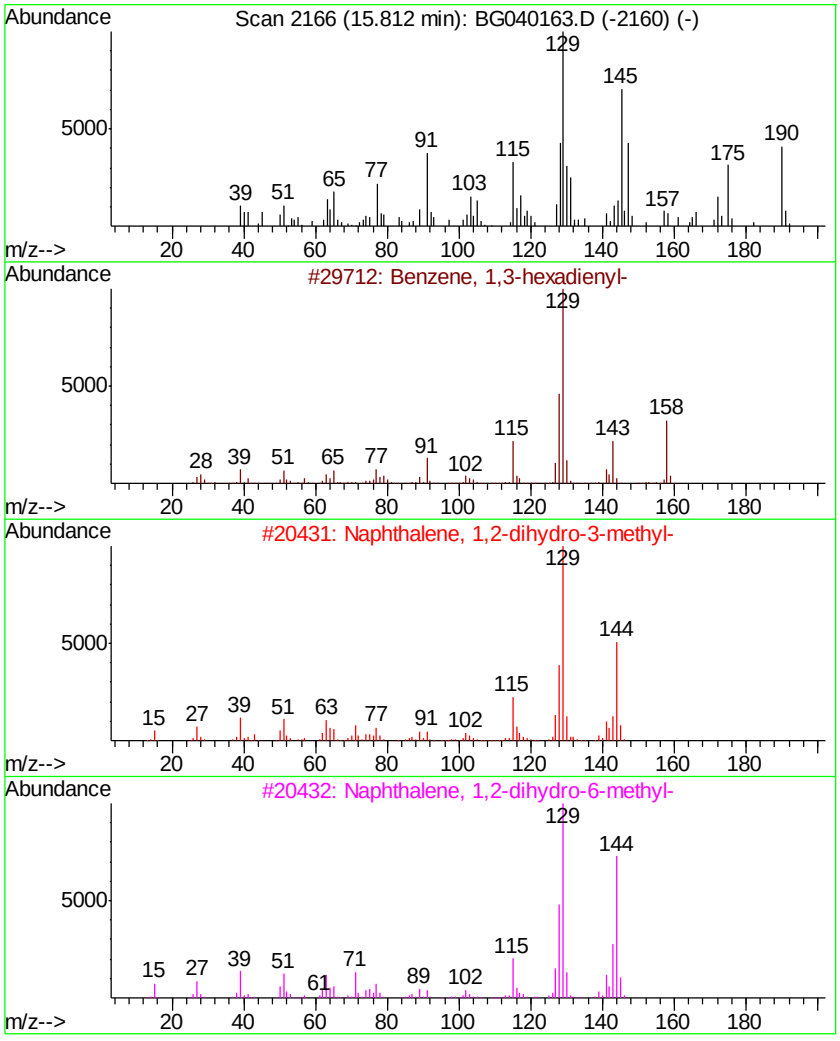
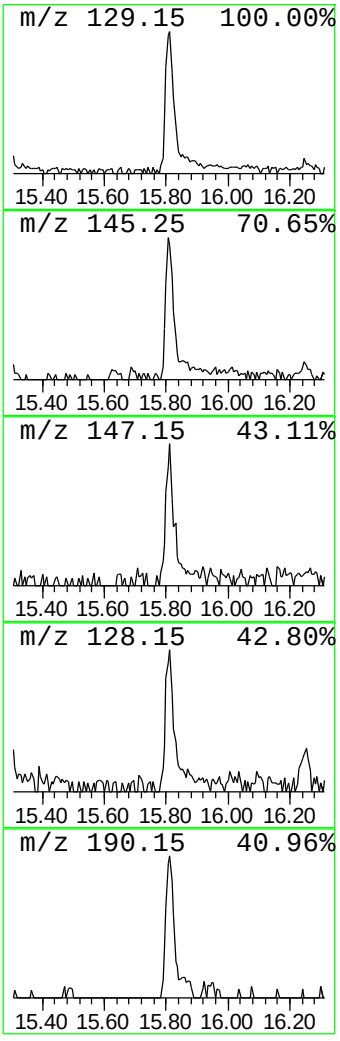
Peak Number 14 Benzene, 1,3-hexadienyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	3.94 ng	120993	Acenaphthene-d10	14.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-hexadienyl-	158	C12H14	041635-77-2	80
2	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	46
3	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	42
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	144	C11H12	071721-26-1	38
5	Benzene, (1-chloro-2,2-dimethylc...	180	C11H13Cl	013153-97-4	35





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Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.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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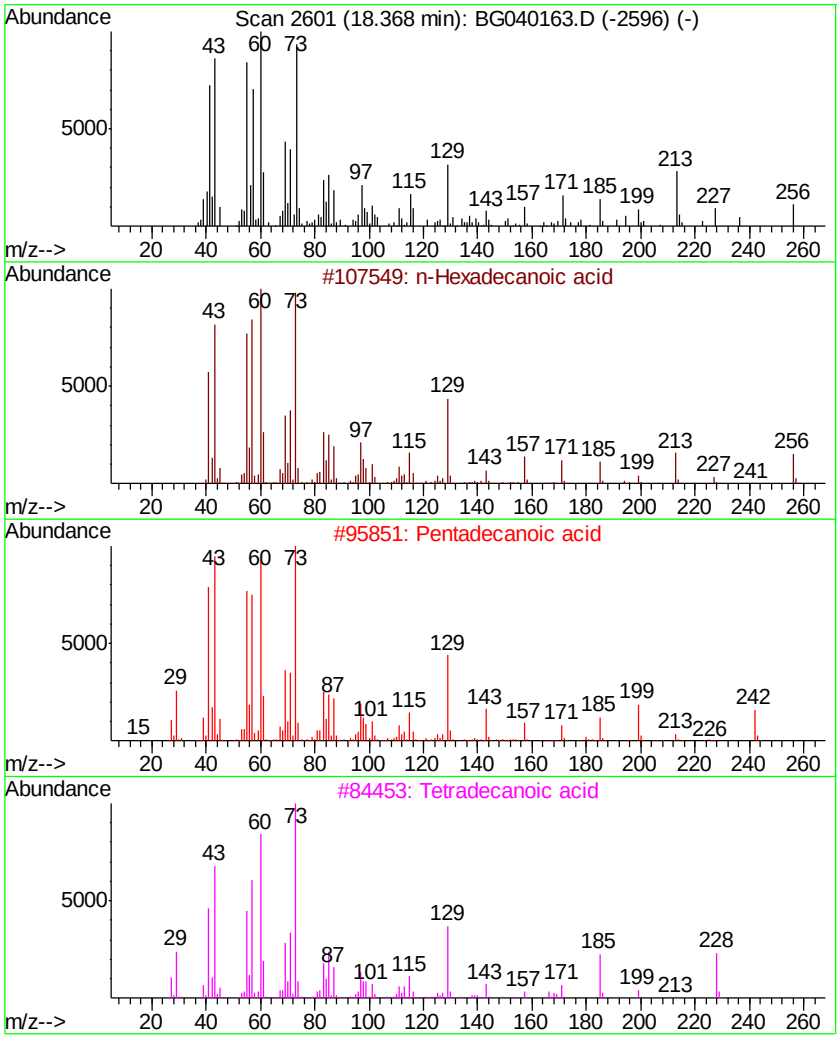
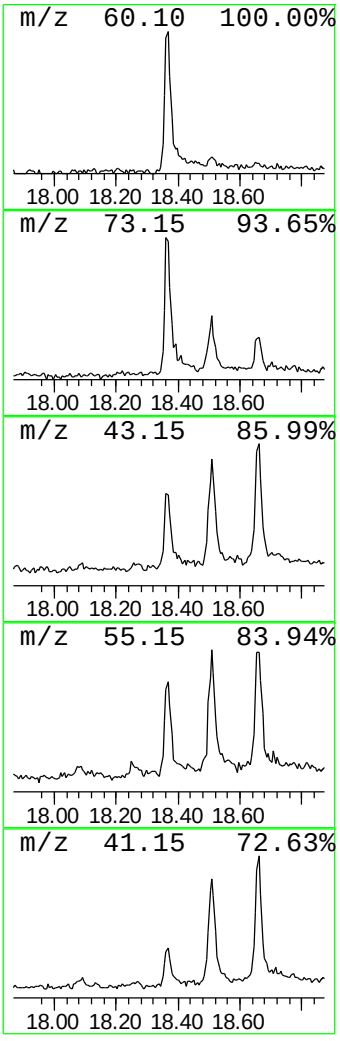
Peak Number 15 n-Hexadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	4.15 ng	156408	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
4	Tridecanoic acid	214	C13H26O2	000638-53-9	70
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Library Search Compound Report

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Acq On : 27 Mar 2019 1:40
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Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

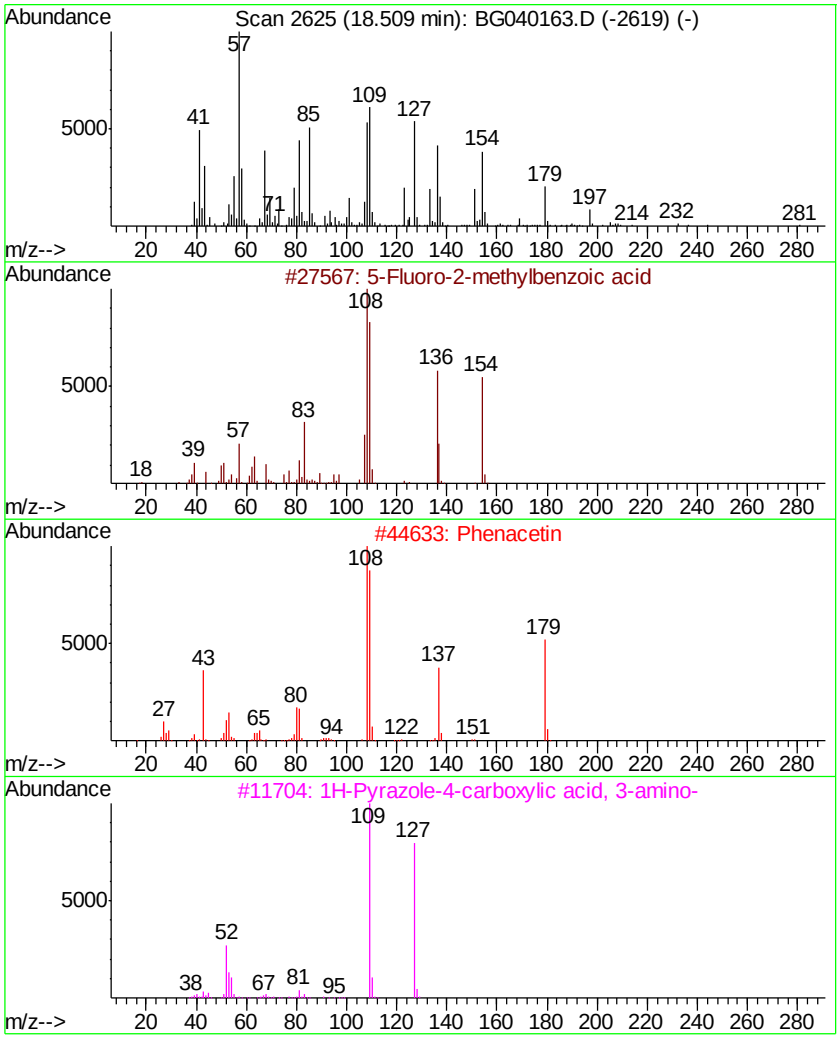
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

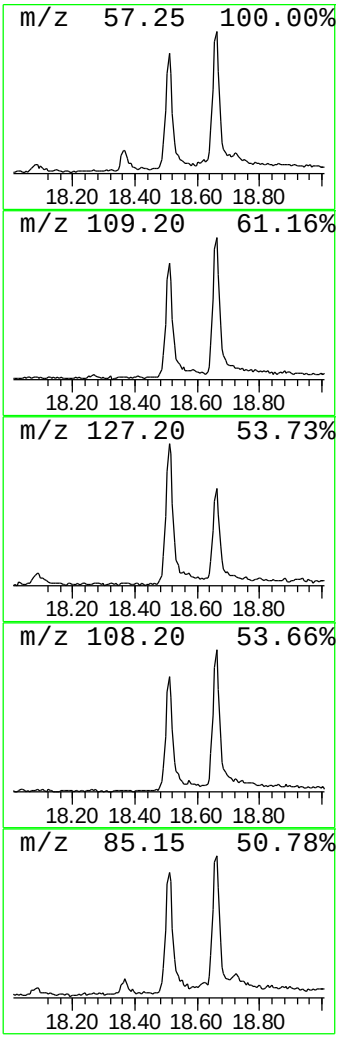
****

Peak Number 16 5-Fluoro-2-methylbenzoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	17.59 ng	663023	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-methylbenzoic acid	154	C8H7FO2	033184-16-6	86
2	Phenacetin	179	C10H13NO2	000062-44-2	14
3	1H-Pyrazole-4-carboxylic acid, 3...	127	C4H5N3O2	041680-34-6	11
4	4-Pentyloxyaniline	179	C11H17NO	039905-50-5	11
5	Acetaminophen	151	C8H9NO2	000103-90-2	10





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Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.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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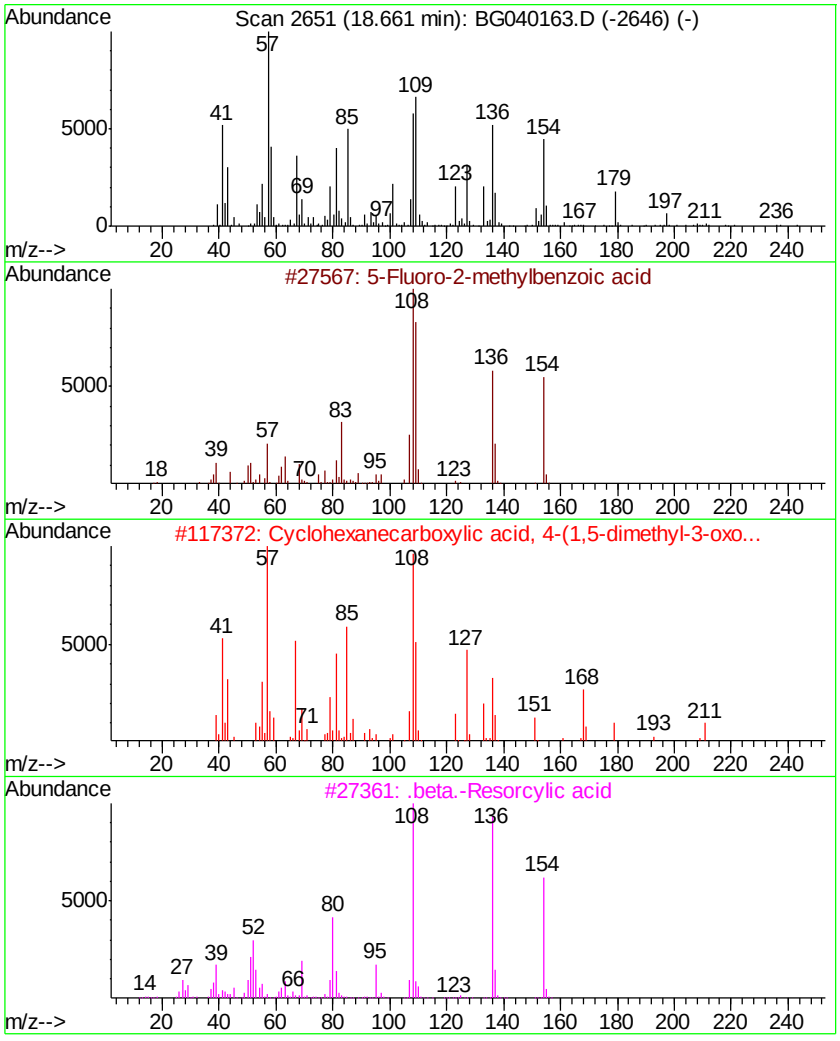
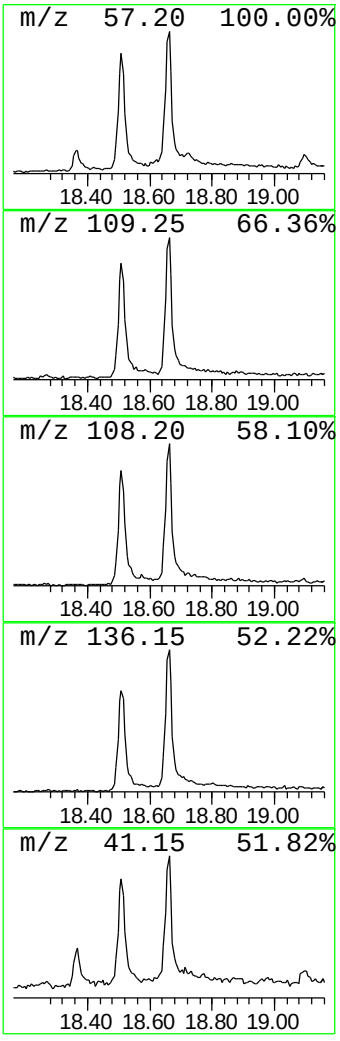
Peak Number 17 unknown18.66 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	15.70 ng	591937	Phenanthrene-d10	17.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-methylbenzoic acid	154	C8H7FO2	033184-16-6	45
2	Cyclohexanecarboxylic acid, 4-(1...	268	C16H28O3	017904-29-9	38
3	.beta.-Resorcylic acid	154	C7H6O4	000089-86-1	30
4	Cyclopentanecarboxylic acid, 3,3...	210	C13H22O2	087753-77-3	27
5	Phenacetin	179	C10H13NO2	000062-44-2	25





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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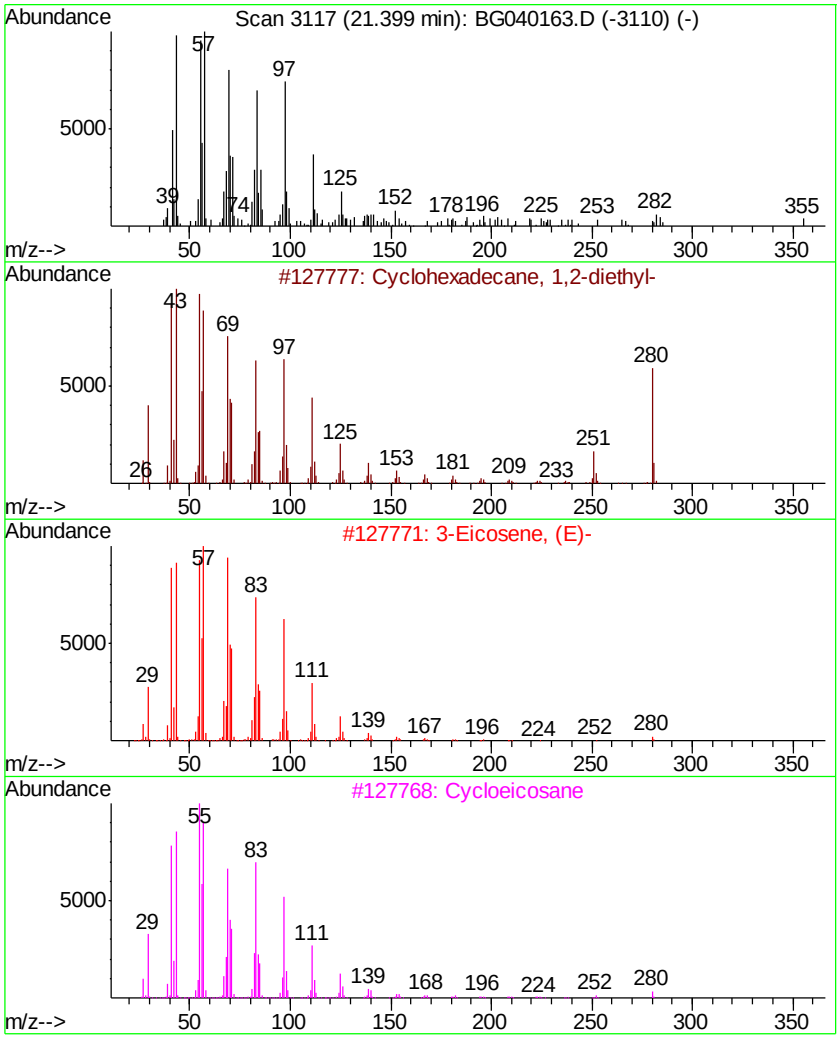
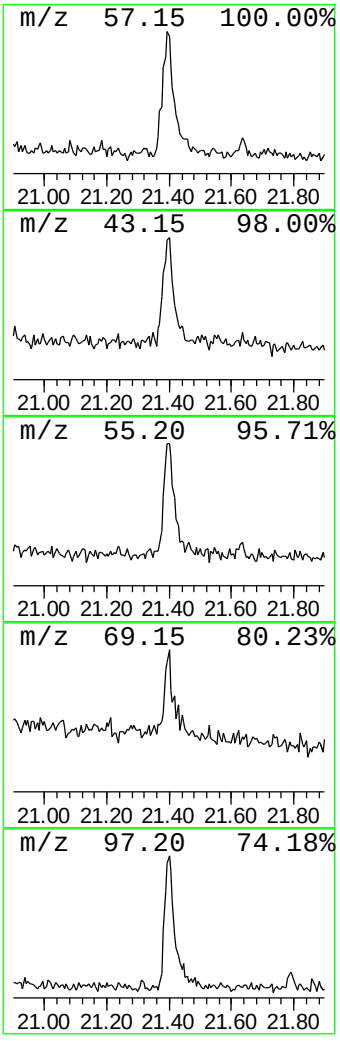
Peak Number 18 Cyclohexadecane, 1,2-diethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.40	3.65 ng	150558	Chrysene-d12	21.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	93
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
3	Cycloeicosane	280	C20H40	000296-56-0	90
4	5-Eicosene, (E)-	280	C20H40	074685-30-6	89
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	87





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Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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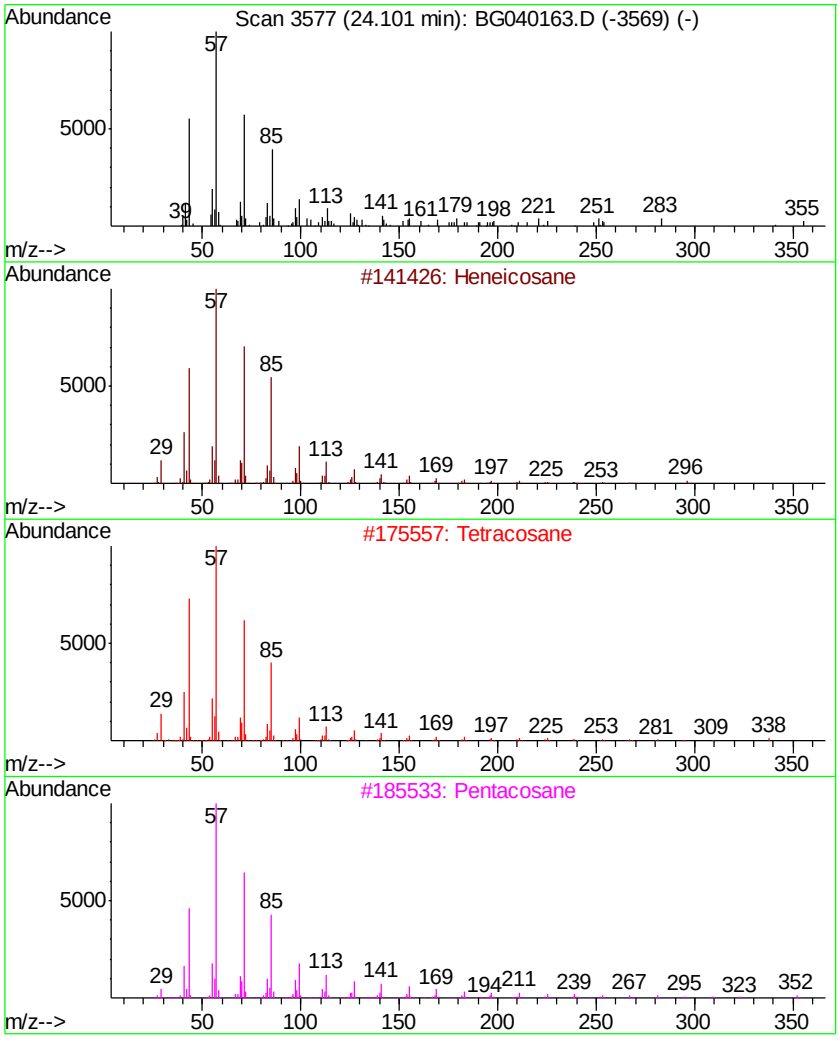
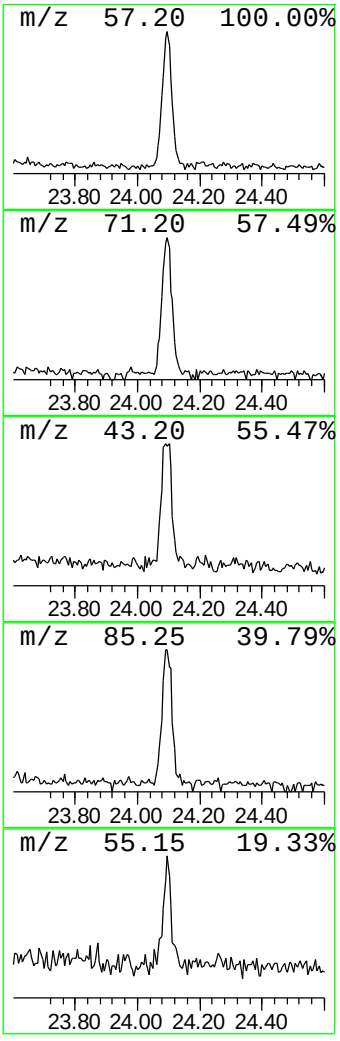
Peak Number 19 Heneicosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.10	2.62 ng	102149	Perylene-d12	25.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Tetracosane	338	C24H50	000646-31-1	87
3	Pentacosane	352	C25H52	000629-99-2	87
4	Octacosane	394	C28H58	000630-02-4	87
5	Docosane	310	C22H46	000629-97-0	86





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.M
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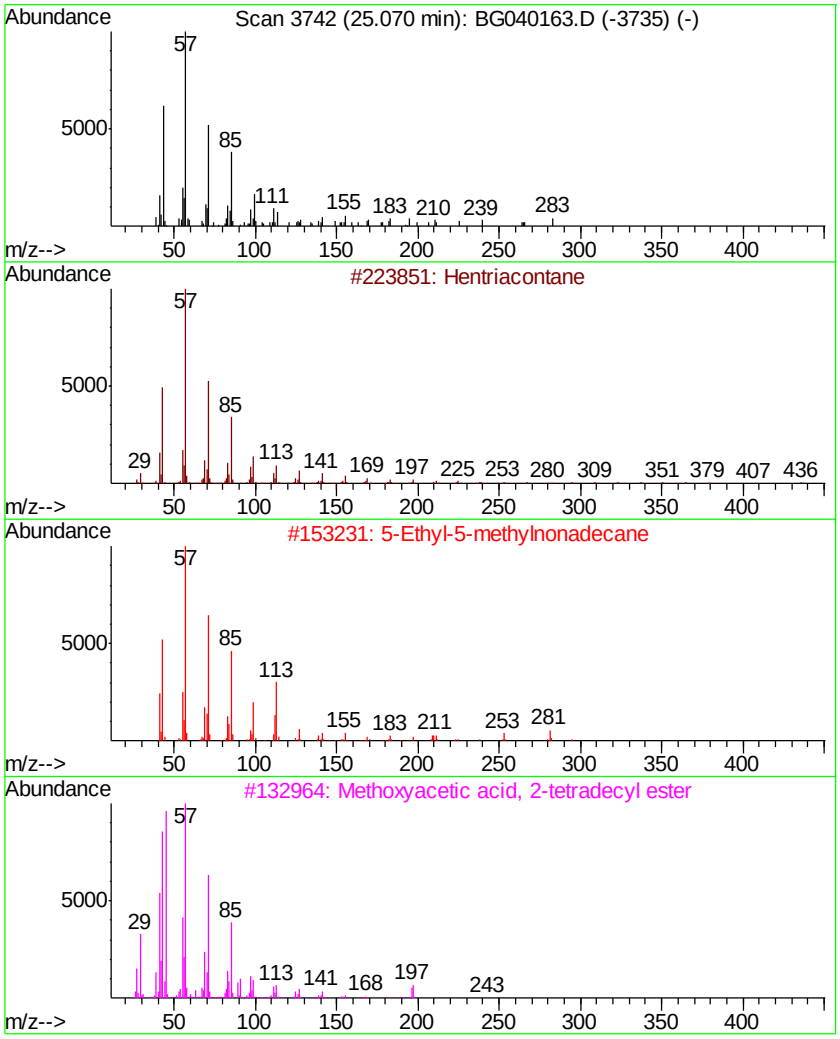
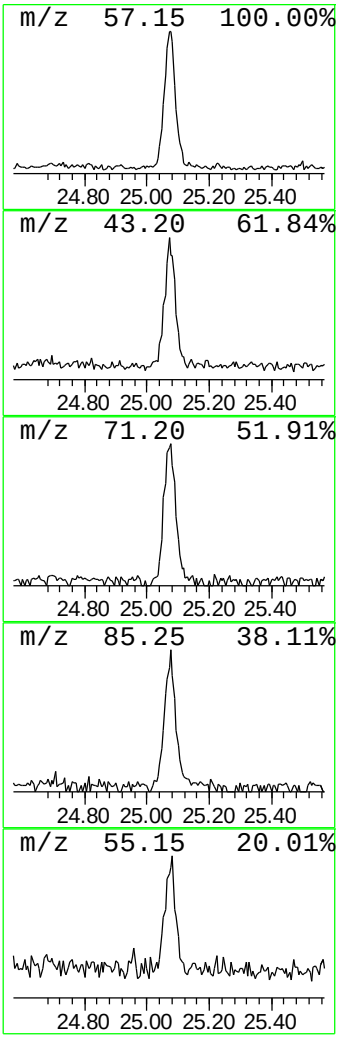
Peak Number 20 Hentriacontane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.07	2.66 ng	103898	Perylene-d12	25.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	83
2	5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	80
3	Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	80
4	Tetratetracontane	619	C44H90	007098-22-8	80
5	2-methyloctacosane	408	C29H60	1000376-72-8	80





Tentatively Identified Compound (LSC) summary

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Data File : BG040163.D
Acq On : 27 Mar 2019 1:40
Operator : JU/SJ
Sample : K2103-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-C02-SETTLED-2H-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG030419.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...	3.27	66.7	ng	1070410	1	8.14	321129	20.0
2-Pentanone, 4-hy...	5.23	3.5	ng	55949	1	8.14	321129	20.0
unknown7.66	7.66	64.4	ng	1033780	1	8.14	321129	20.0
Bicyclo[2.2.1]hep...	9.86	4.5	ng	95930	2	10.96	429905	20.0
unknown10.25	10.25	2.7	ng	57567	2	10.96	429905	20.0
Bicyclo[2.2.1]hep...	10.36	2.8	ng	59918	2	10.96	429905	20.0
endo-Borneol	10.72	5.3	ng	113582	2	10.96	429905	20.0
Terpinen-4-ol	10.80	3.7	ng	79203	2	10.96	429905	20.0
Benzeneacetic acid	11.50	4.7	ng	101830	2	10.96	429905	20.0
Hydrocinnamic acid	12.75	12.6	ng	270838	2	10.96	429905	20.0
unknown15.29	15.29	50.8	ng	1561310	3	14.76	614683	20.0
Benzene, 1,3-hexa...	15.81	3.9	ng	120993	3	14.76	614683	20.0
n-Hexadecanoic acid	18.37	4.2	ng	156408	4	17.51	753911	20.0
5-Fluoro-2-methyl...	18.51	17.6	ng	663023	4	17.51	753911	20.0
unknown18.66	18.66	15.7	ng	591937	4	17.51	753911	20.0
Cyclohexadecane, ...	21.40	3.6	ng	150558	5	21.79	825577	20.0
Heneicosane	24.10	2.6	ng	102149	6	25.15	780218	20.0
Hentriacontane	25.07	2.7	ng	103898	6	25.15	780218	20.0