LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005197.D
Acq On : 23 Apr 2019 05:04
Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_N\METHODS\SOM-EPA-BN041919MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.217	34	39	50	rVB	187212	256285	0.63%	0.055%
2	3.917	153	158	165	rVB	136158	185751	0.46%	0.040%
3	5.640	442	451	462	rBV	190381	380764	0.94%	0.081%
4	6.775	637	644	654	rVB	2287124	3685003	9.12%	0.787%
5	6.946	662	673	680	rBV	1957443	3124516	7.73%	0.668%
6	7.134	692	705	723	rBV	2558881	5188849	12.84%	1.109%
7	7.275	723	729	735	rBV4	318666	704784	1.74%	0.151%
8	7.328	735	738	744	rBV3	206464	336917	0.83%	0.072%
9	7.387	744	748	750	rBV2	61057	83307	0.21%	0.018%
10	7.428	750	755	762	rBV2	432812	858771	2.12%	0.183%
11	7.534	764	773	776	rBV4	791546	1849768	4.58%	0.395%
12	7.599	776	784	789	rVB2	2437568	4728755	11.70%	1.010%
13	7.675	793	797	802	rVB3	525945	900186	2.23%	0.192%
14	7.734	802	807	808	rBV3	489782	634249	1.57%	0.136%
15	7.799	810	818	821	rVV3	1159952	2558631	6.33%	0.547%
16	7.834	821	824	827	rVV3	407210	524092	1.30%	0.112%
17	7.875	827	831	836	rVB4	802863	1398690	3.46%	0.299%
18	7.952	841	844	850	rVV	1296314	2028723	5.02%	0.433%
19	8.005	850	853	857	rVV	569561	706303	1.75%	0.151%
20	8.046	857	860	866	rVB3	1011934	1610262	3.98%	0.344%
21	8.122	867	873	874	rBV4	646079	1126724	2.79%	0.241%
22	8.157	874	879	886	rVB	3306756	5427592	13.43%	1.160%
23	8.299	895	903	908	rBV2	2708779	5754532	14.24%	1.230%
24	8.363	910	914	917	rBV4	698959	1222770	3.03%	0.261%
25	8.422	919	924	928	rBV	3602513	5638261	13.95%	1.205%
26	8.581	947	951	960	rBV5	1246342	3622218	8.96%	0.774%
27	8.699	961	971	976	rBV5	6060708	19978769	49.43%	4.269%
28	8.793	984	987	992	rBV3	1458697	2279534	5.64%	0.487%
29	8.910	1003	1007	1010	rBV3	3465956	6468198	16.00%	1.382%
30	8.952	1010	1014	1020	rVB3	4952360	9800110	24.24%	2.094%
31	9.010	1020	1024	1025	rBV3	1077654	1439067	3.56%	0.307%
32	9.252	1060	1065	1069	rBV2	3953324	7190081	17.79%	1.536%
33	9.304	1069	1074	1082	rVV2	9575662	18638337	46.11%	3.983%
34	9.563	1113	1118	1127	rVB3	9945132	19718167	48.78%	4.213%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005197.D
Acq On : 23 Apr 2019 05:04
Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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_N\METHODS\SOM-EPA-BN041919MA.M
Title : SVOA CALIBRATION

35	9.987	1186	1190	1201	rVB4	4939583	10692498	26.45%	2.285%
36	10.575	1285	1290	1295	rBV	15205878	38351768	94.88%	8.195%
37	17.580	2476	2481	2486	rVB2	23040972	40421632	100.00%	8.637%
38	18.269	2593	2598	2602	rVB	25788736	39721686	98.27%	8.488%
39	18.898	2701	2705	2711	rVB	26320116	39621607	98.02%	8.466%
40	19.480	2801	2804	2808	rVB	22929324	28899721	71.50%	6.175%
41	20.016	2891	2895	2899	rVB2	19327600	22515372	55.70%	4.811%
42	20.516	2977	2980	2988	rVB2	14855532	19421425	48.05%	4.150%
43	20.980	3057	3059	3063	rVB	11052042	11324436	28.02%	2.420%
44	21.421	3131	3134	3140	rVB	10187654	12380280	30.63%	2.645%
45	21.857	3205	3208	3213	rVB	8718320	9573658	23.68%	2.046%
46	22.316	3283	3286	3293	rVB	6637096	8345093	20.65%	1.783%
47	22.816	3367	3371	3375	rVB	6306379	8485515	20.99%	1.813%
48	23.292	3447	3452	3457	rVB2	4041486	6614726	16.36%	1.413%
49	23.374	3462	3466	3470	rVV	4391034	6793097	16.81%	1.452%
50	23.427	3471	3475	3488	rVB2	4107030	8223882	20.35%	1.757%
51	24.010	3569	3574	3582	rVB	3572107	6664276	16.49%	1.424%
52	24.739	3694	3698	3713	rVB2	2311891	5079019	12.57%	1.085%
53	25.592	3838	3843	3855	rVB2	1921399	4822323	11.93%	1.030%

Sum of corrected areas: 468000980

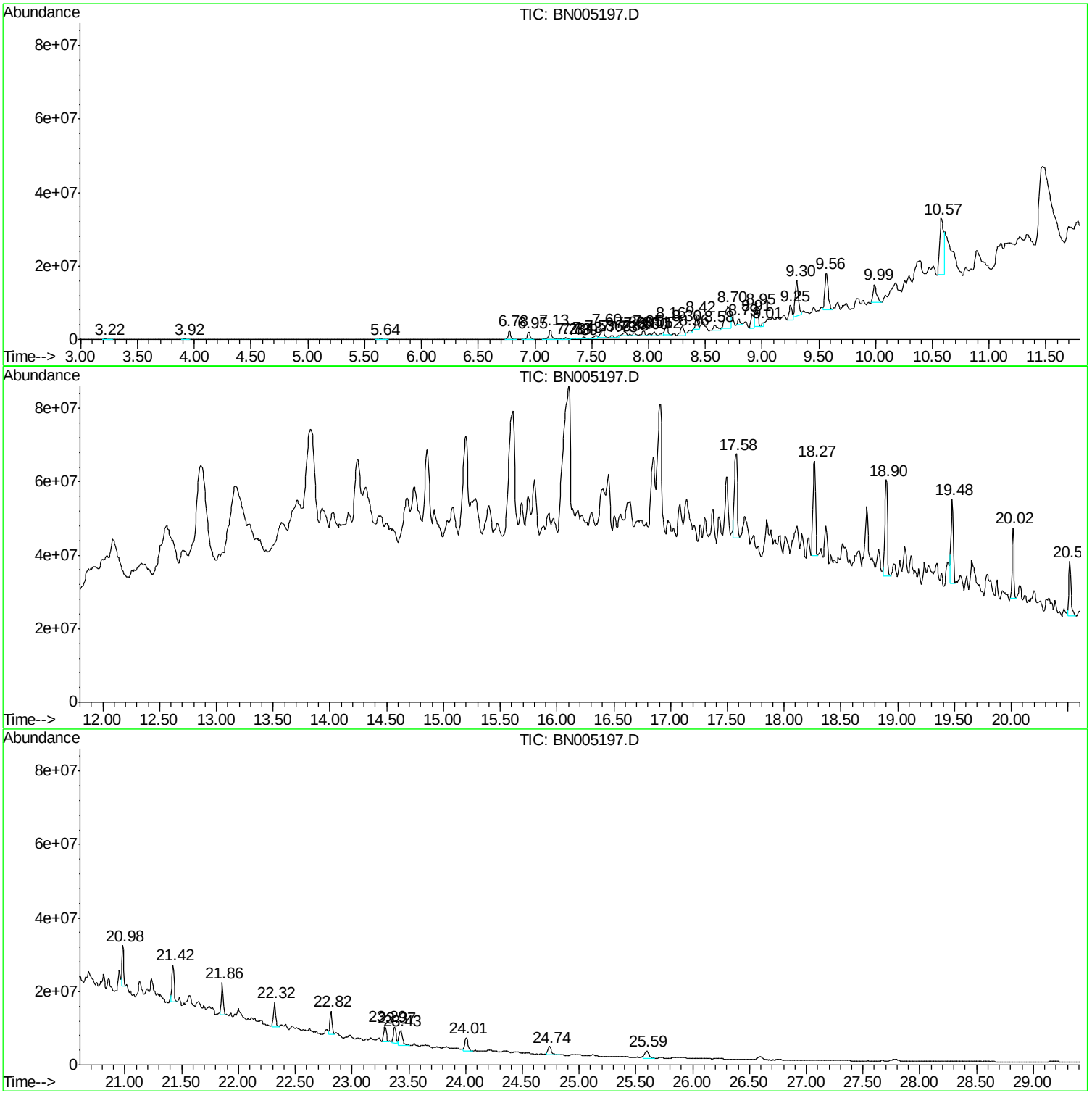
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005197.D
Acq On : 23 Apr 2019 05:04
Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005197.D
Acq On : 23 Apr 2019 05:04
Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

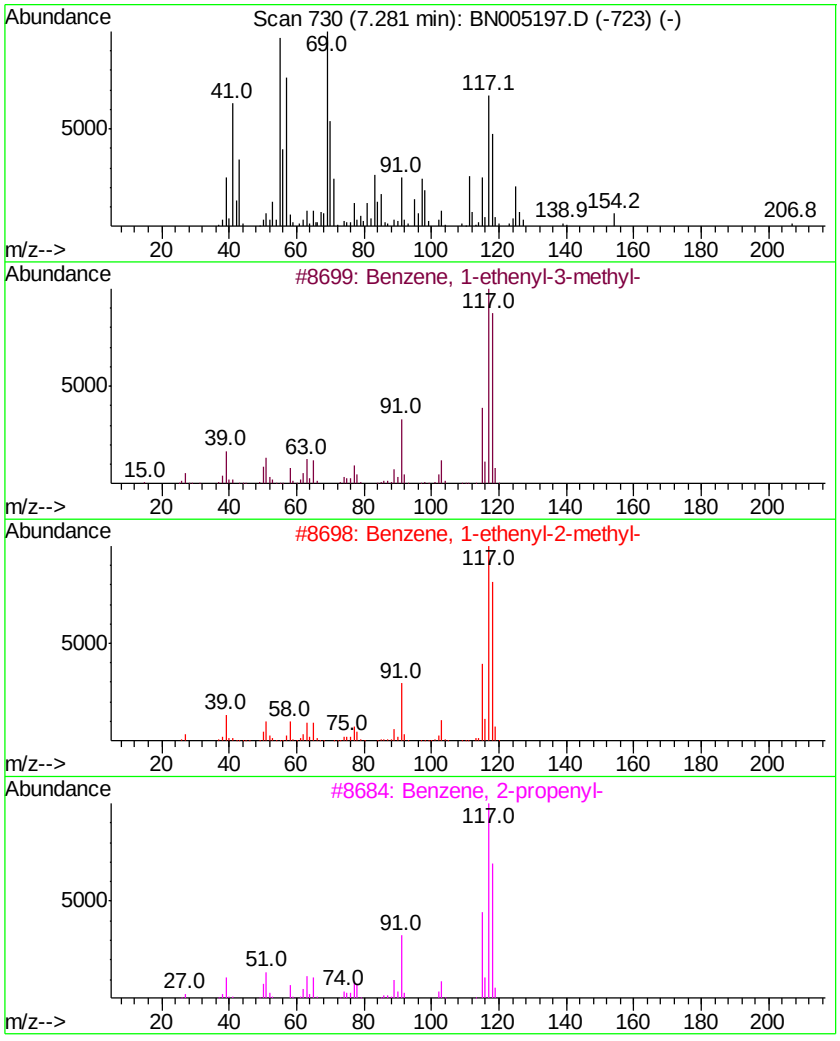
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

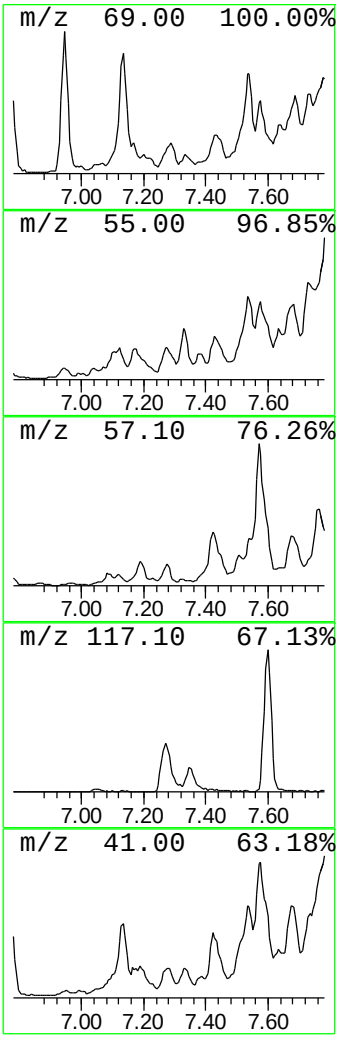
****

Peak Number 1 Benzene, 1-ethenyl-3-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.28	2.98 ng/ul	704784	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	92
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	70
5	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005197.D
Acq On : 23 Apr 2019 05:04
Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

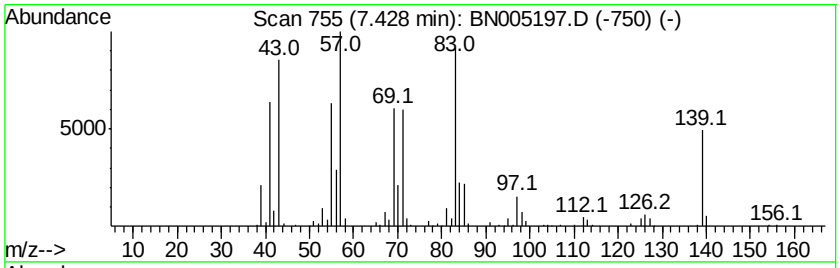
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

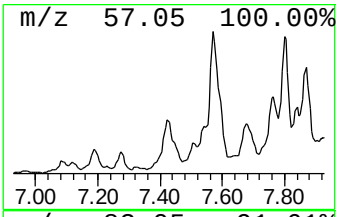
****

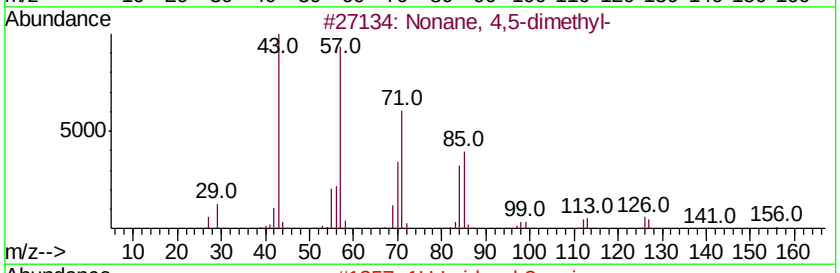
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 29

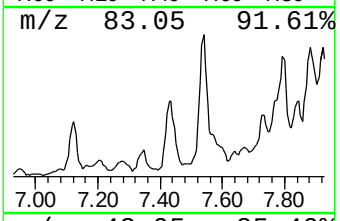
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	3.63 ng/ul	858771	1,4-Dichlorobenzene-d4	7.60

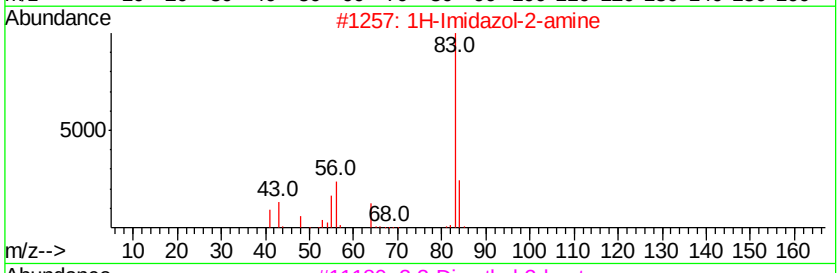
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	38
2	1H-Imidazol-2-amine	83	C3H5N3	007720-39-0	35
3	2,3-Dimethyl-2-heptene	126	C9H18	003074-64-4	35
4	1-Dodecanol, 2-methyl-, (S)-	200	C13H28O	057289-26-6	27
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	27

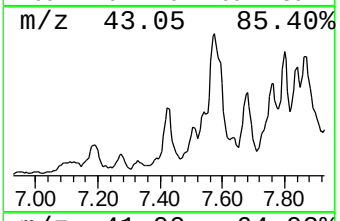


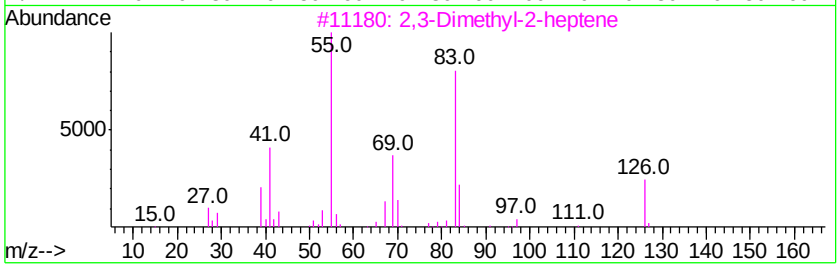


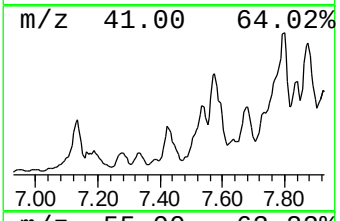


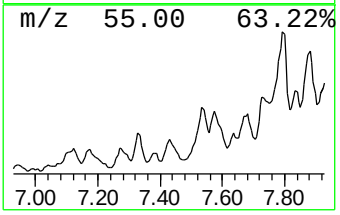












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005197.D
Acq On : 23 Apr 2019 05:04
Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

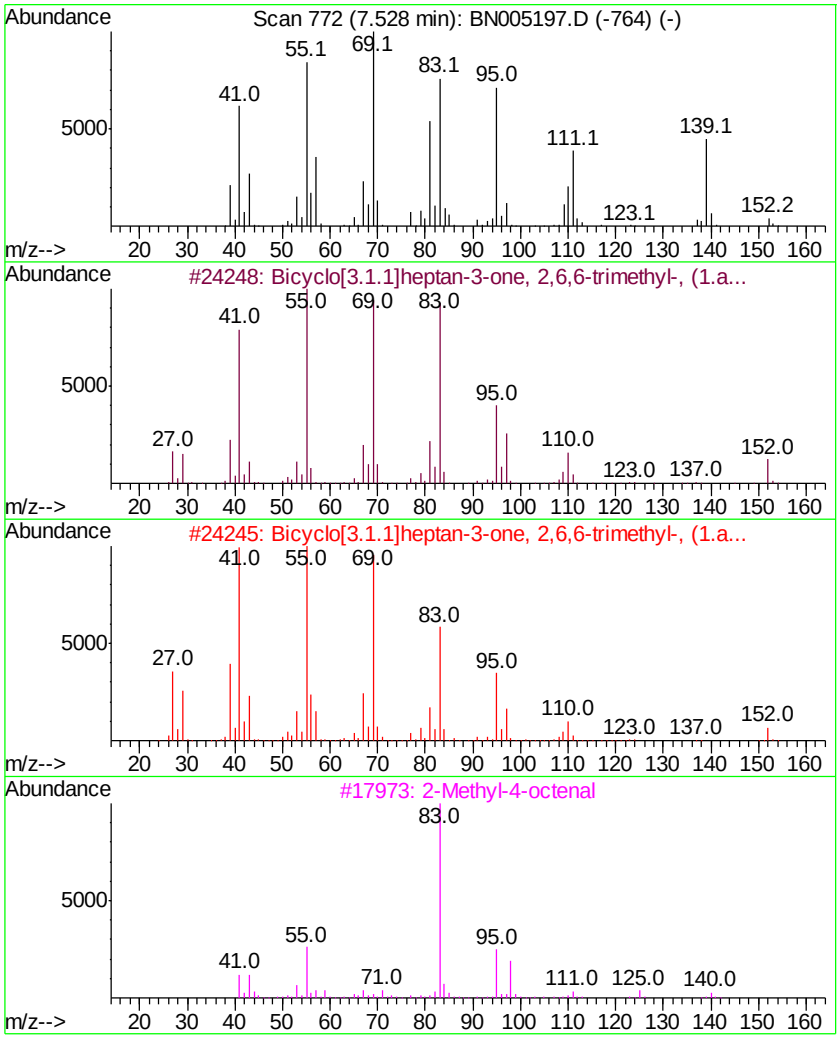
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

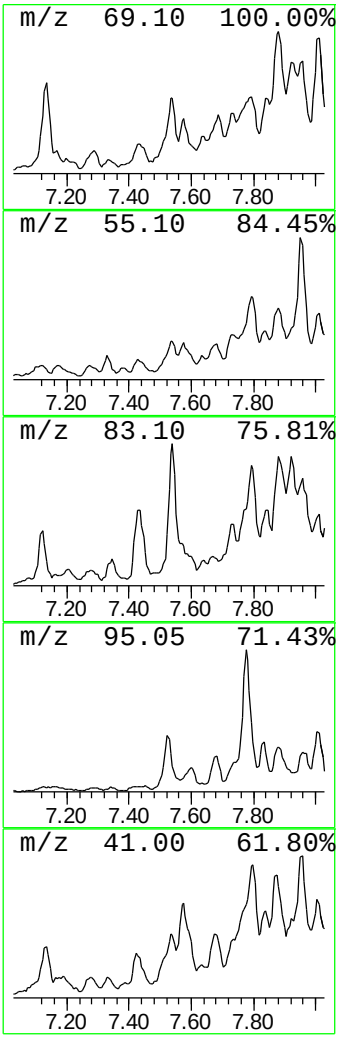
****

Peak Number 3 Bicyclo[3.1.1]heptan-3-one,... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	7.82 ng/ul	1849770	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	59
2	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	58
3	2-Methyl-4-octenal	140	C9H16O	030390-58-0	38
4	3-Ethyl-4-methyl-2-pentene	112	C8H16	019780-68-8	30
5	cis-2,6-Dimethyl-2,6-octadiene	138	C10H18	002492-22-0	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005197.D
Acq On : 23 Apr 2019 05:04
Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

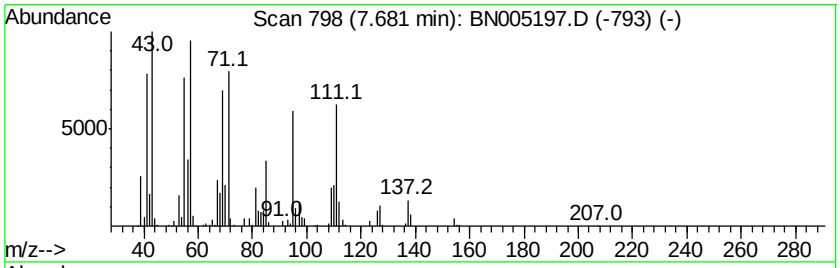
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

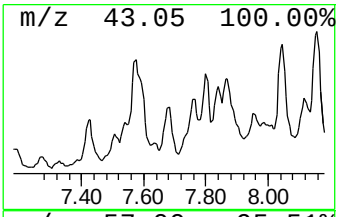
****

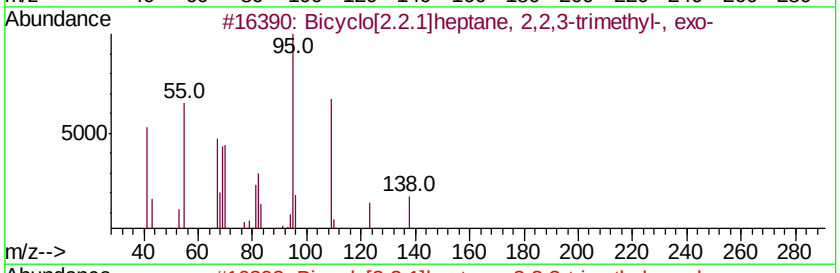
Peak Number 4 unknown-01 Concentration Rank 27

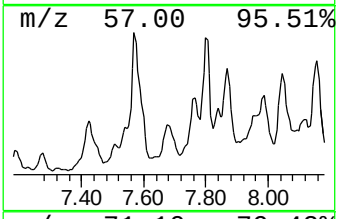
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.68	3.81 ng/ul	900186	1,4-Dichlorobenzene-d4	7.60

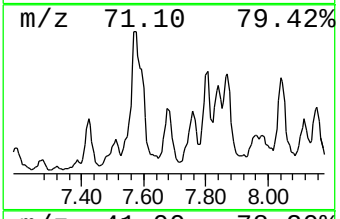
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	44
2	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	44
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	35
4	3-Methyl-2-(2-oxopropyl)furan	138	C8H10O2	087773-62-4	30
5	Decane, 3-methyl-	156	C11H24	013151-34-3	30

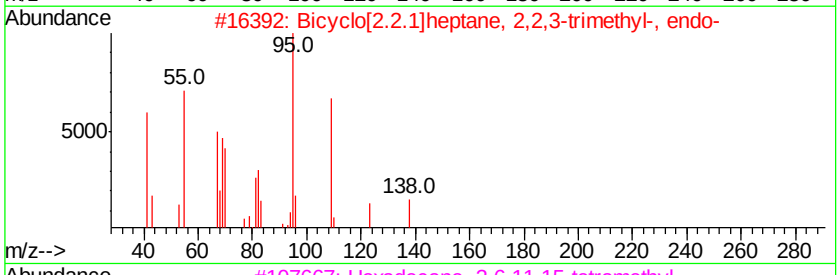


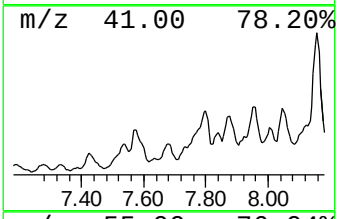


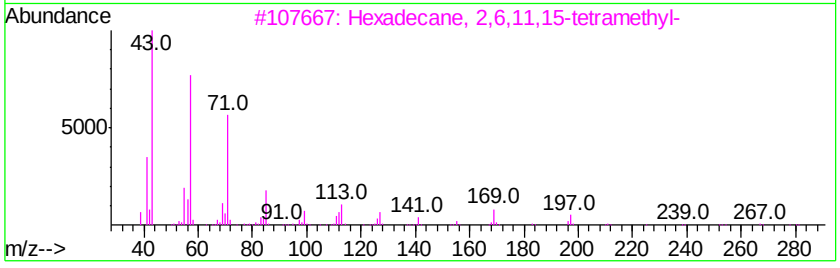


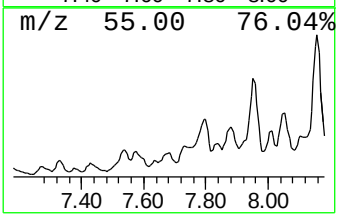












Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005197.D
Acq On : 23 Apr 2019 05:04
Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

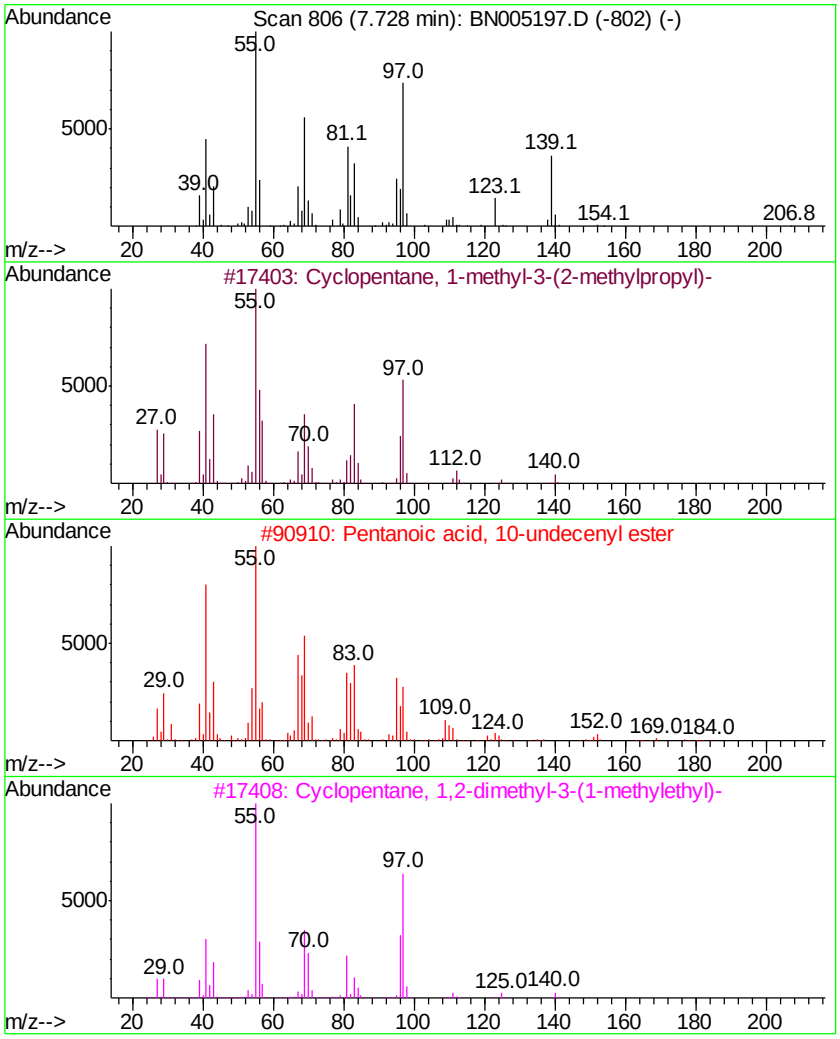
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

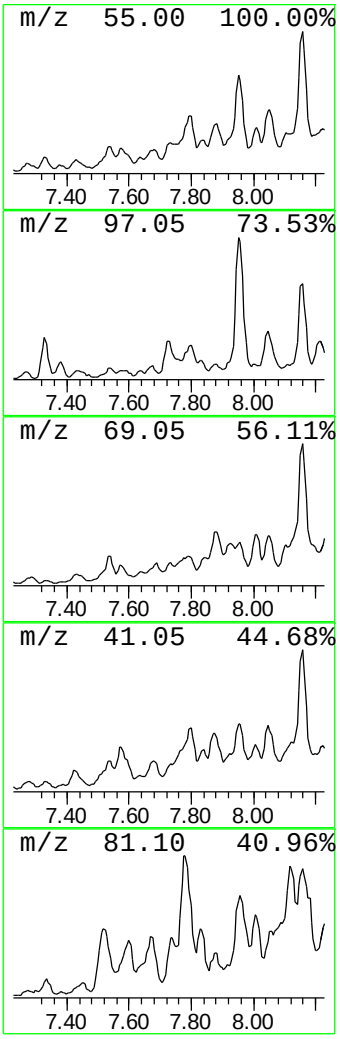
****

Peak Number 5 (DEL) Alkane: Cyclic7.73 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	2.68 ng/ul	634249	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	38
2	Pentanoic acid, 10-undecenyl ester	254	C16H30O2	1000159-93-4	38
3	Cyclopentane, 1,2-dimethyl-3-(1-...	140	C10H20	000489-20-3	38
4	Cyclotetradecane	196	C14H28	000295-17-0	35
5	11-Dodecen-1-ol, 2,4,6-trimethyl...	226	C15H30O	027829-54-5	27





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Operator : JU/SJ
Sample : K2455-16
Misc :
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Instrument : BNA_N
ClientSampleId : GAHR6

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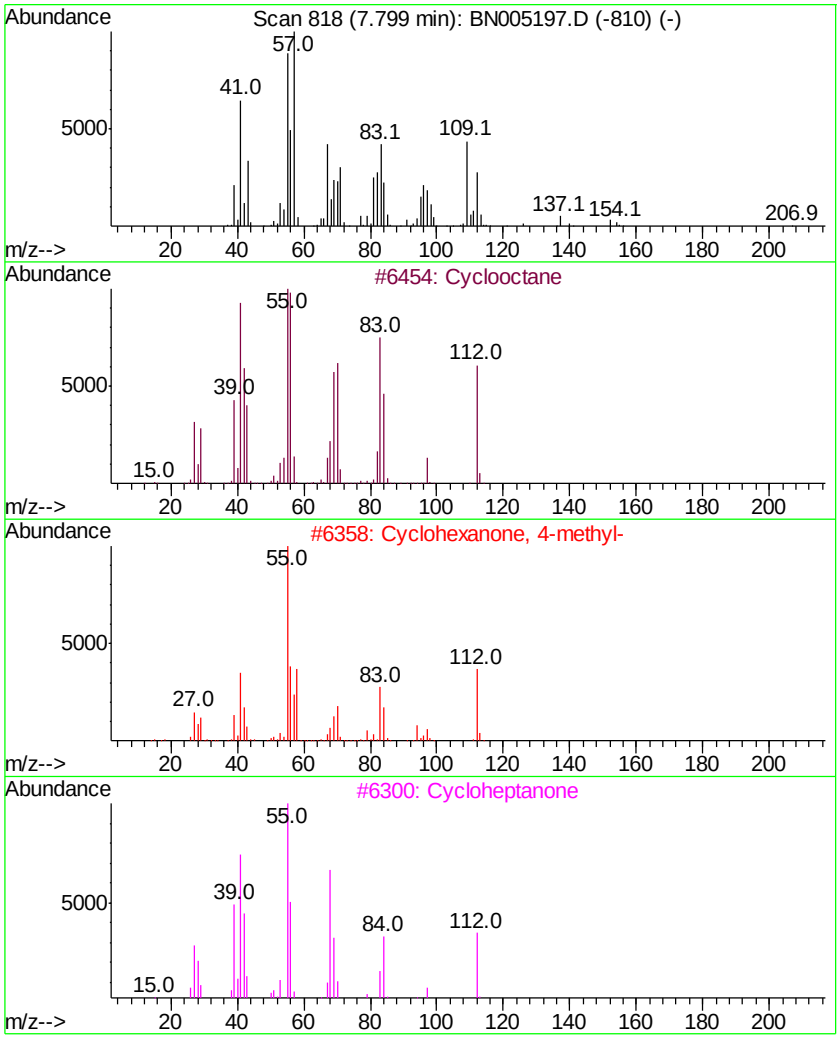
Quant Title : SVOA CALIBRATION

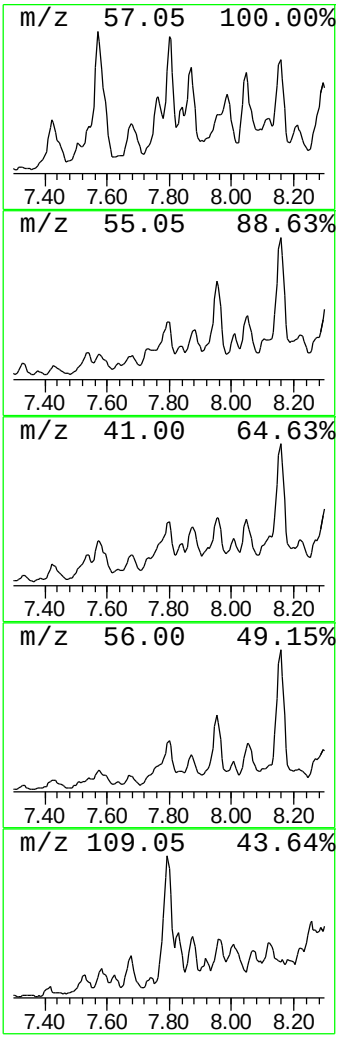
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic7.80 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.80	10.82 ng/ul	2558630	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane	112	C8H16	000292-64-8	30
2	Cyclohexanone, 4-methyl-	112	C7H12O	000589-92-4	27
3	Cycloheptanone	112	C7H12O	000502-42-1	27
4	Cyclohexanemethanol	114	C7H14O	000100-49-2	25
5	1-Tridecanol	200	C13H28O	000112-70-9	22





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Quant Title : SVOA CALIBRATION

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

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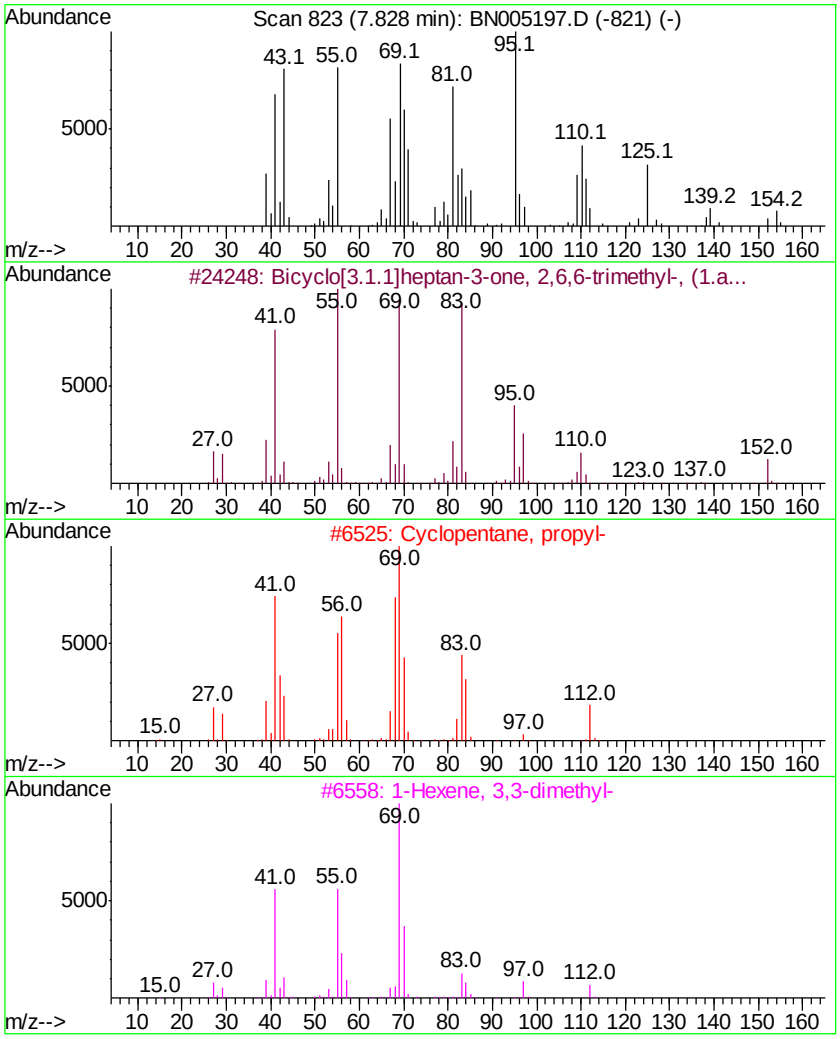
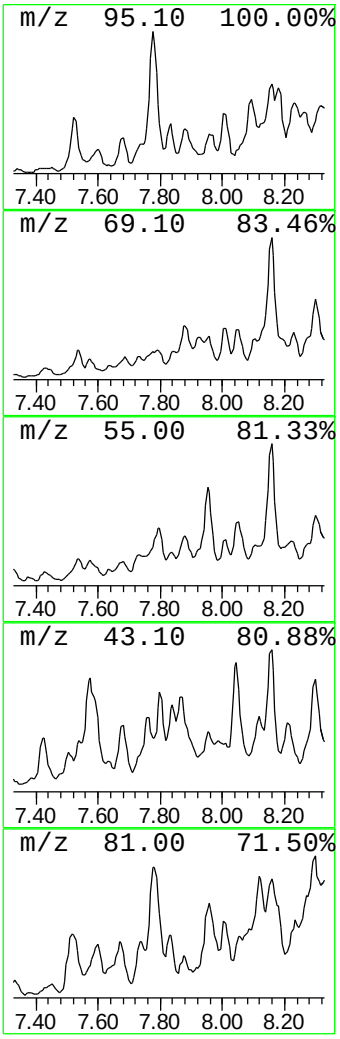
Peak Number 7 unknown-02 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	2.22 ng/ul	524092	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	43
2	Cyclopentane, propyl-	112	C8H16	002040-96-2	35
3	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	35
4	4-Methyl-2-heptene	112	C8H16	003404-56-6	35
5	3-Hexene, 2,3-dimethyl-	112	C8H16	007145-23-5	35





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Quant Title : SVOA CALIBRATION

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

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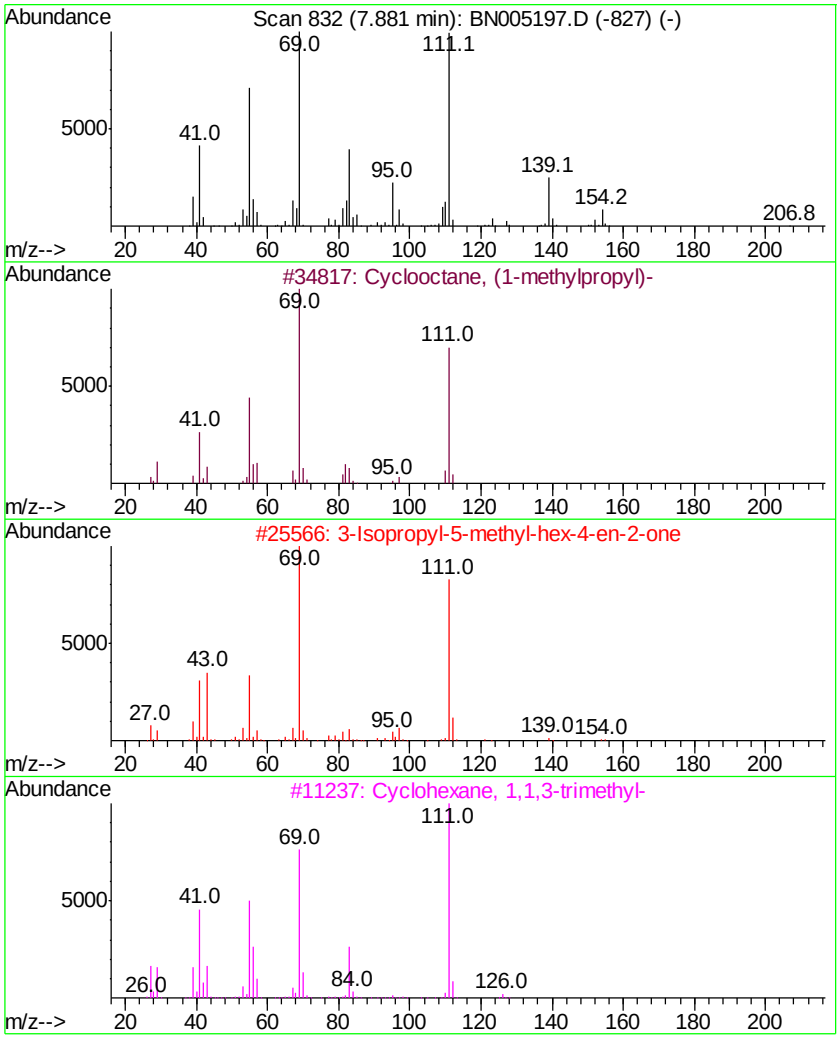
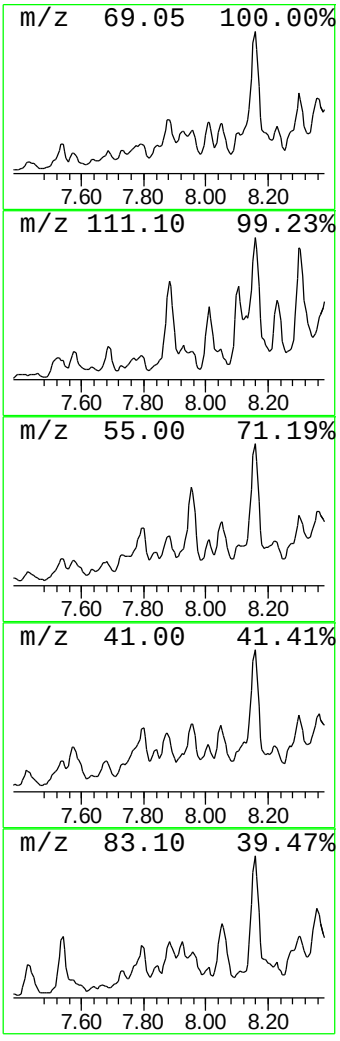
Peak Number 8 (DEL) Alkane: Cyclic7.88 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	5.92 ng/ul	1398690	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	53
2	3-Isopropyl-5-methyl-hex-4-en-2-one	154	C10H18O	077142-85-9	50
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	50
4	4(1H)-Pyrimidinone, 2-amino-	111	C4H5N3O	000108-53-2	27
5	Methanone, dicyclopropyl-	110	C7H10O	001121-37-5	25





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Quant Title : SVOA CALIBRATION

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

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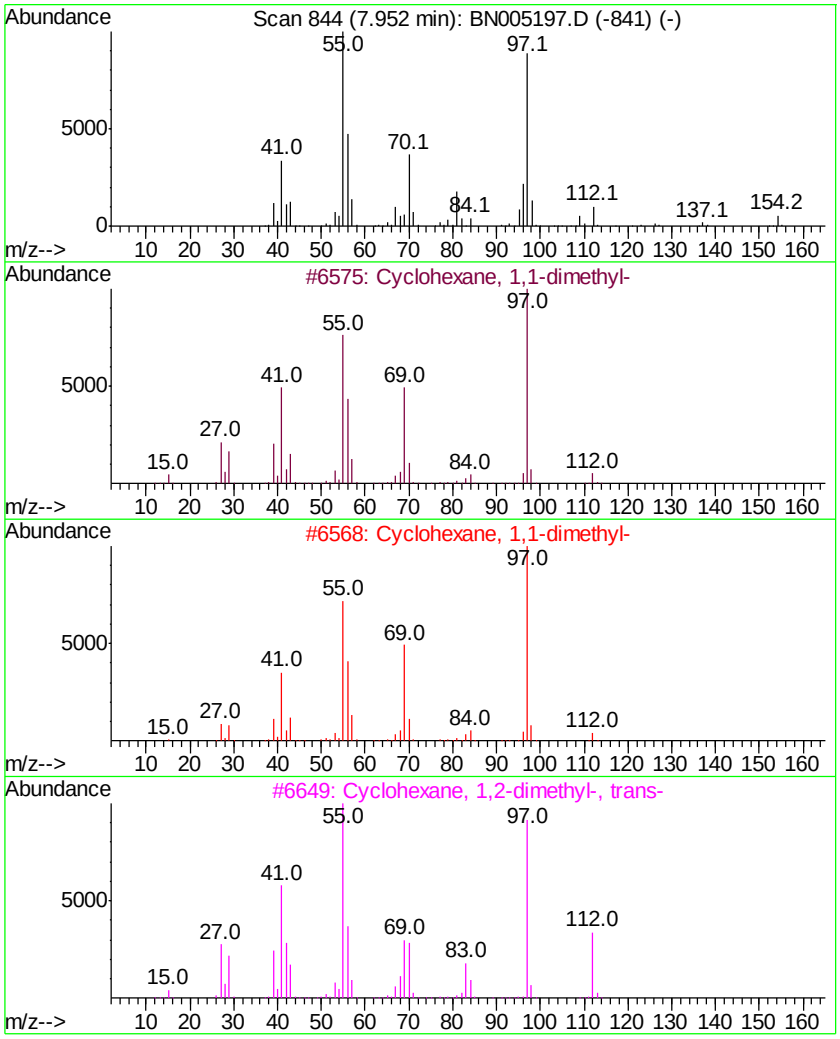
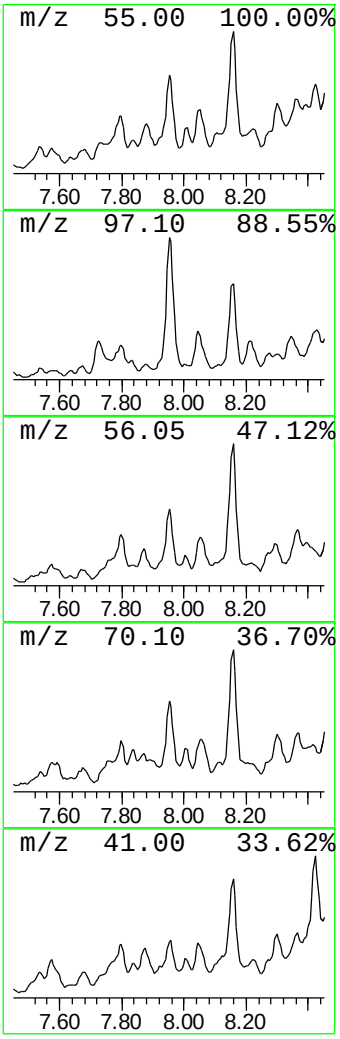
Peak Number 9 (DEL) Alkane: Cyclic7.95 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	8.58 ng/ul	2028720	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	81
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	74
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	64
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	50





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Quant Title : SVOA CALIBRATION

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

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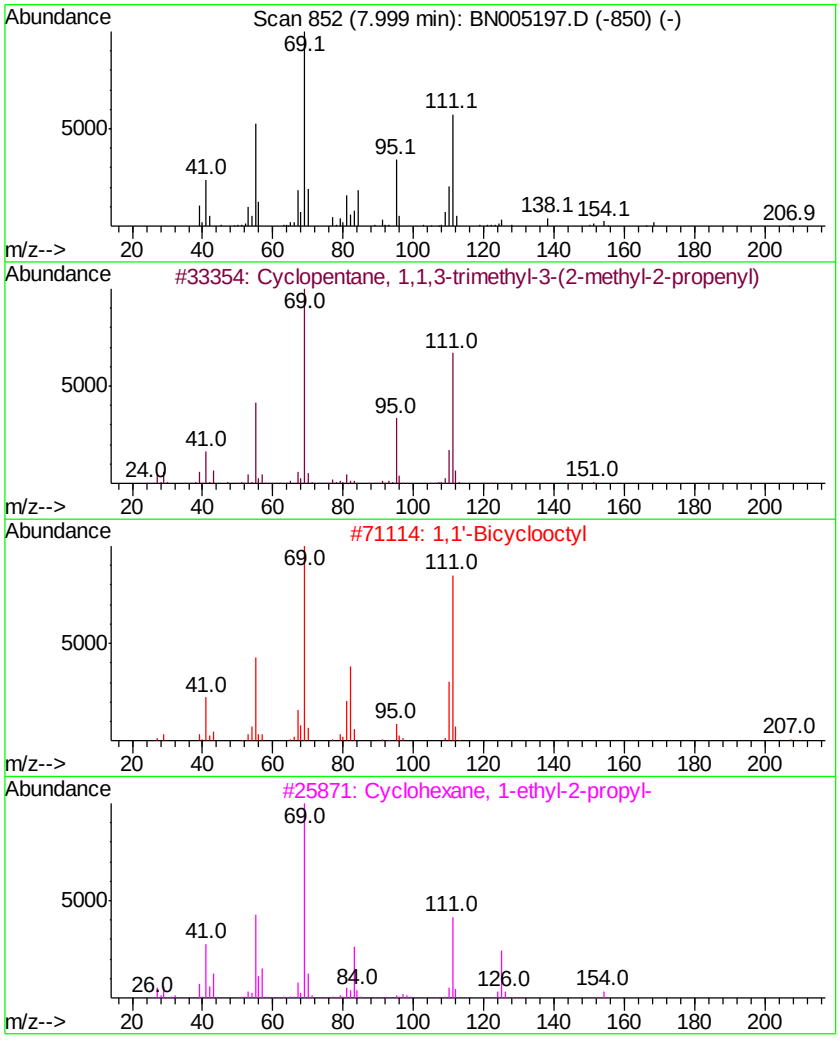
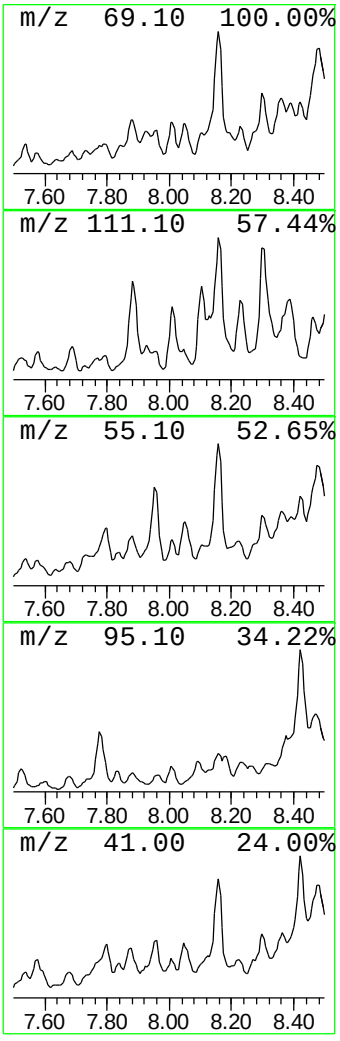
Peak Number 10 Cyclopentane, 1,1,3-trimeth... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	2.99 ng/ul	706303	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3-trimethyl-3-...	166	C12H22	074421-09-3	72
2	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	59
3	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	58
4	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	53
5	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	53





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Quant Title : SVOA CALIBRATION

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

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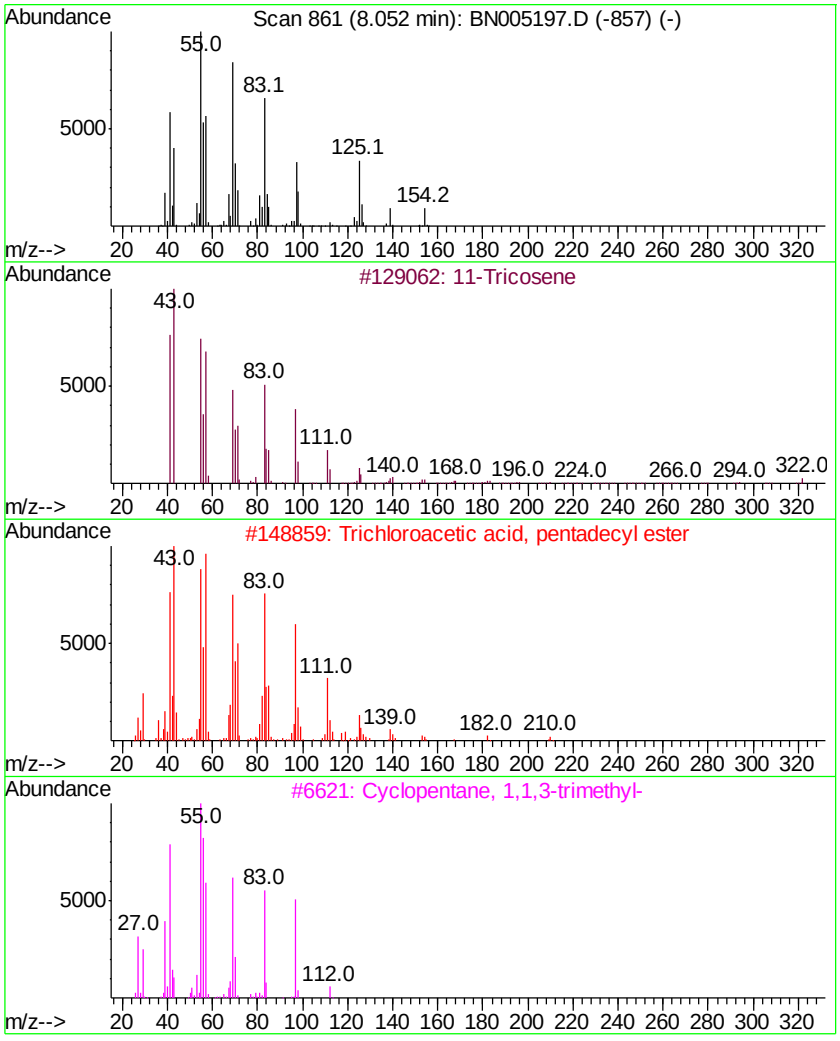
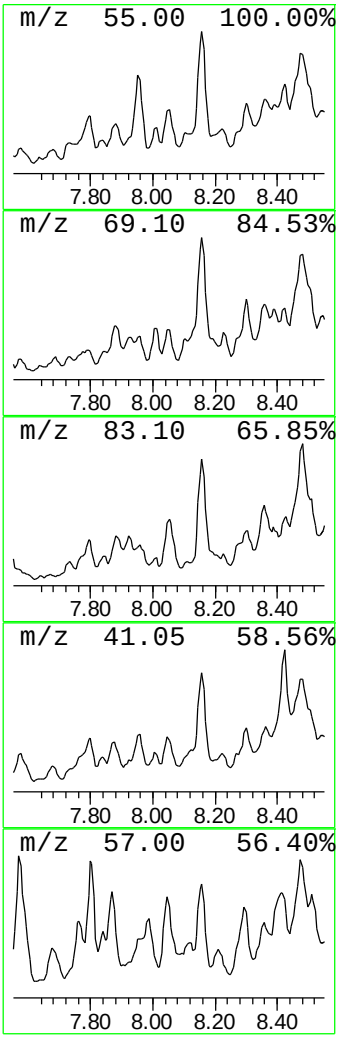
Peak Number 11 (DEL) Alkane: Cyclic8.05 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	6.81 ng/ul	1610260	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Tricosene	322	C23H46	052078-56-5	50
2	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	49
3	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	49
4	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	46
5	2,3-Dimethyl-3-heptene, (Z)-	126	C9H18	059643-73-1	43





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Quant Title : SVOA CALIBRATION

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

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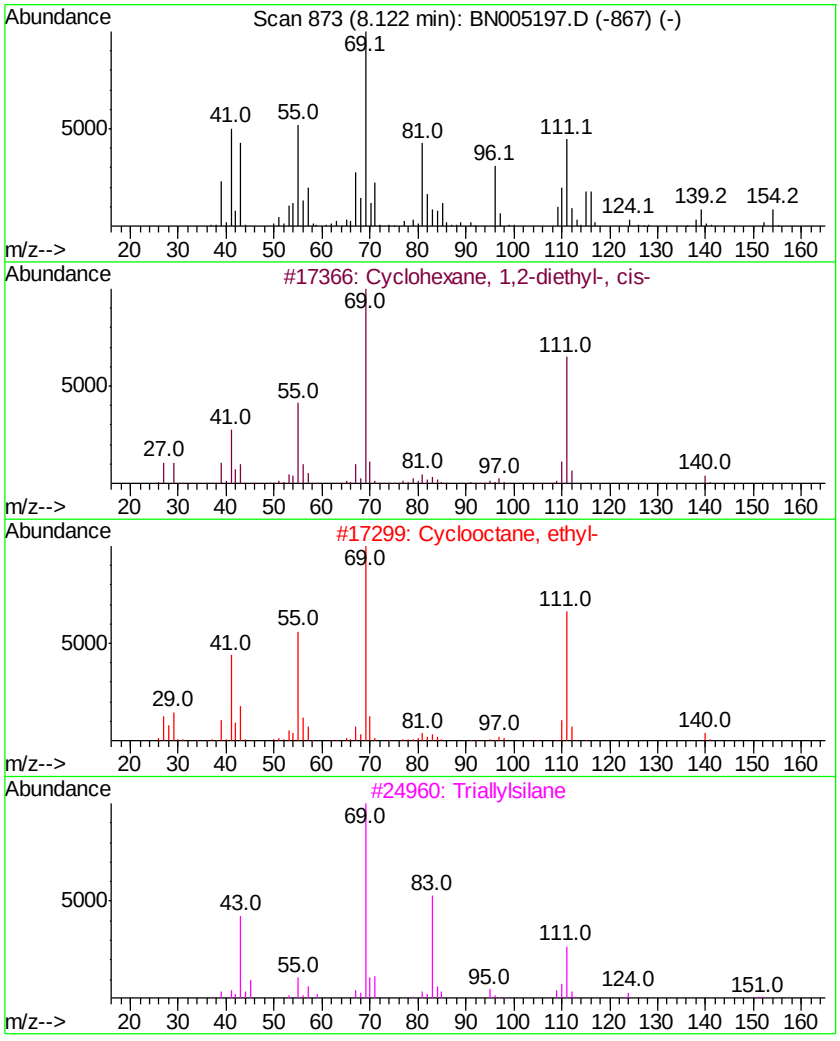
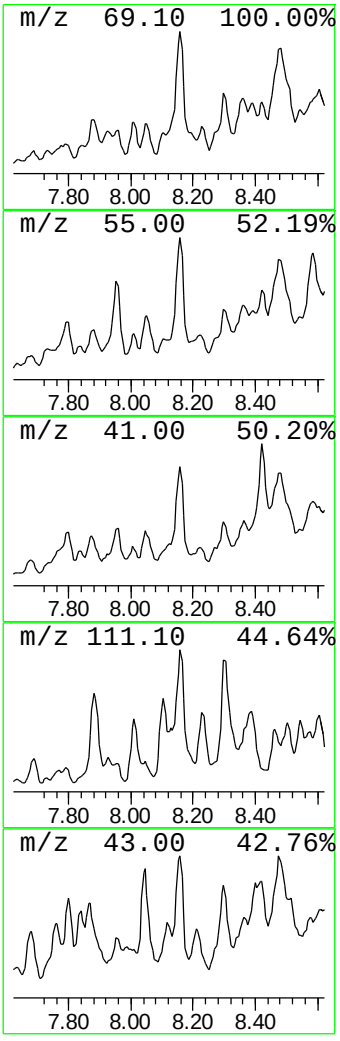
Peak Number 12 (DEL) Alkane: Cyclic8.12 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	4.77 ng/ul	1126720	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	47
2	Cyclooctane, ethyl-	140	C10H20	013152-02-8	43
3	Triallylsilane	152	C9H16Si	001116-62-7	43
4	6-Methyl-1,5-heptadiene	110	C8H14	007270-50-0	38
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	38





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Quant Title : SVOA CALIBRATION

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

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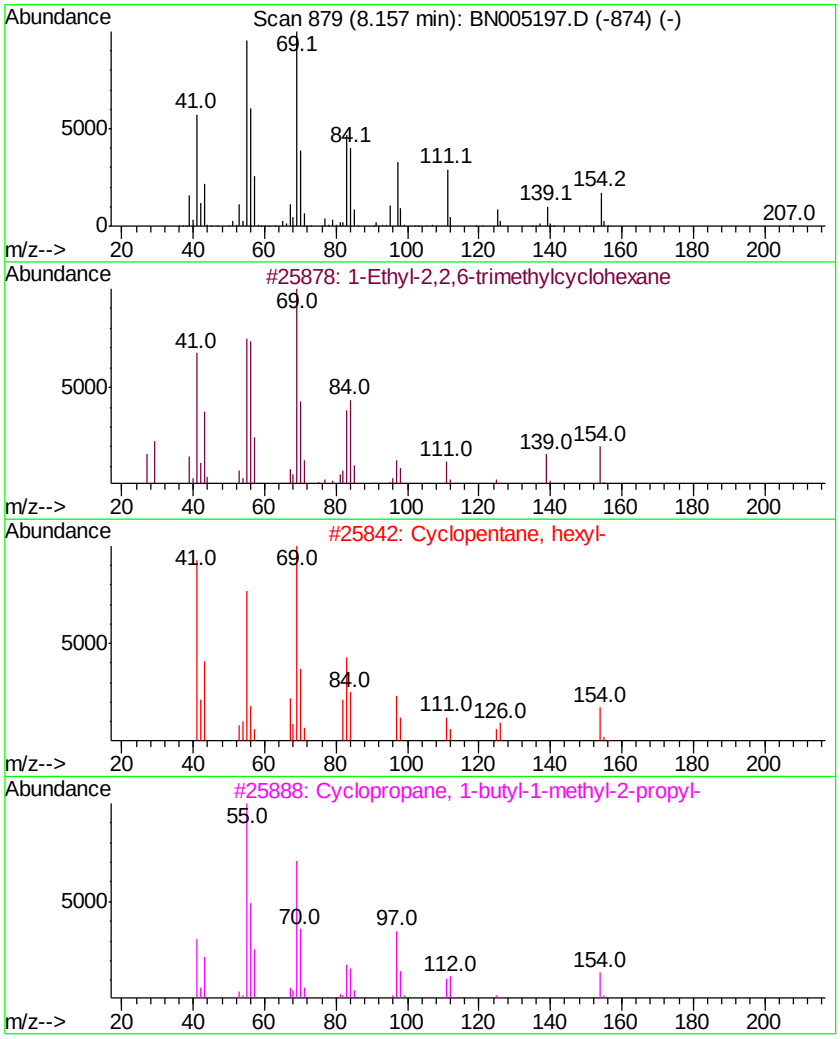
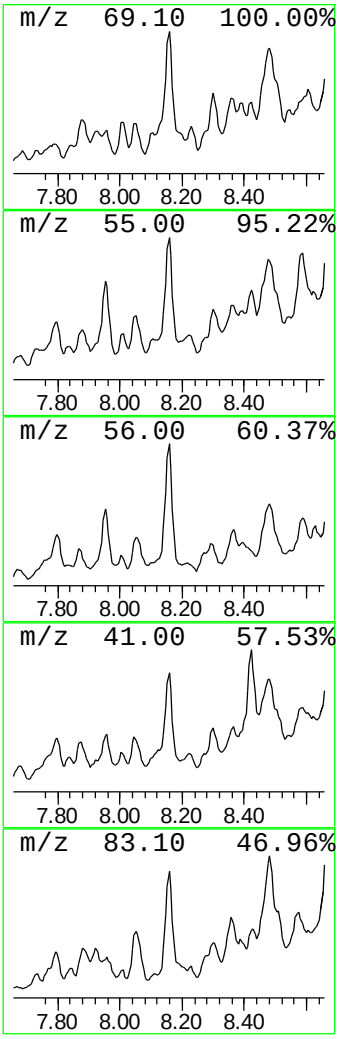
Peak Number 13 (DEL) Alkane: Cyclic8.16 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	22.96 ng/ul	5427590	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	74
2	Cyclopentane, hexyl-	154	C11H22	004457-00-5	58
3	Cyclopropane, 1-butyl-1-methyl-2...	154	C11H22	041977-34-8	58
4	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	49
5	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	47





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Quant Title : SVOA CALIBRATION

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

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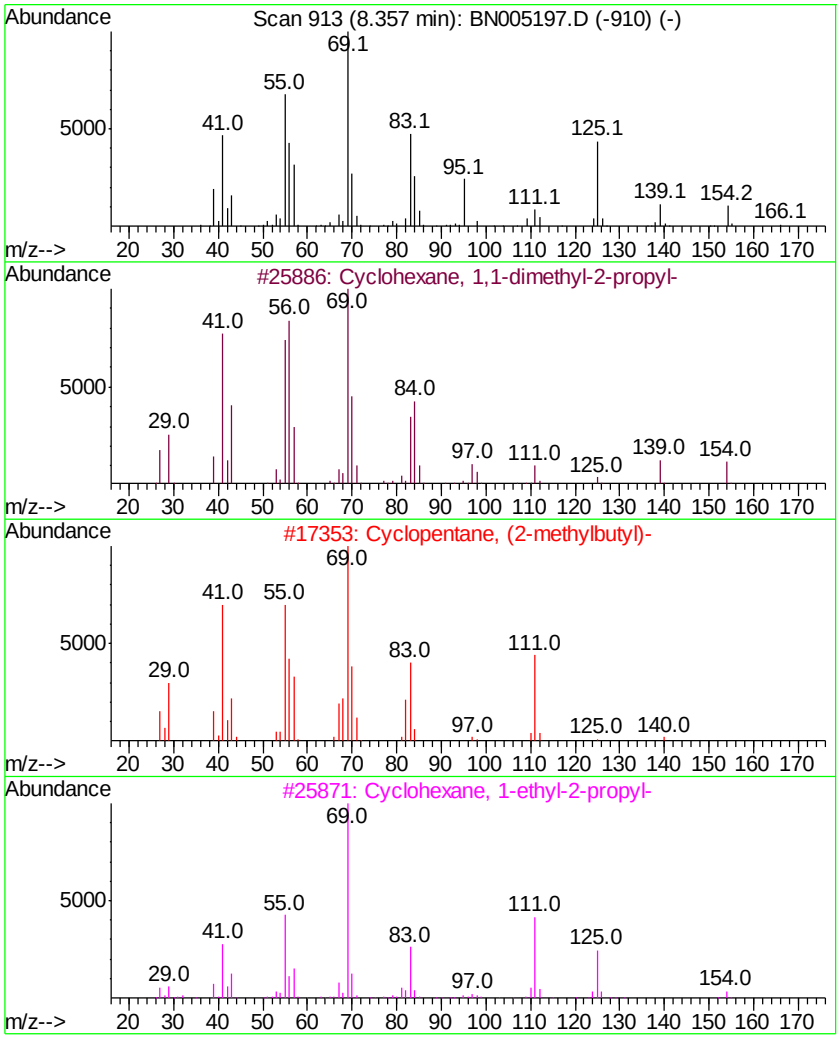
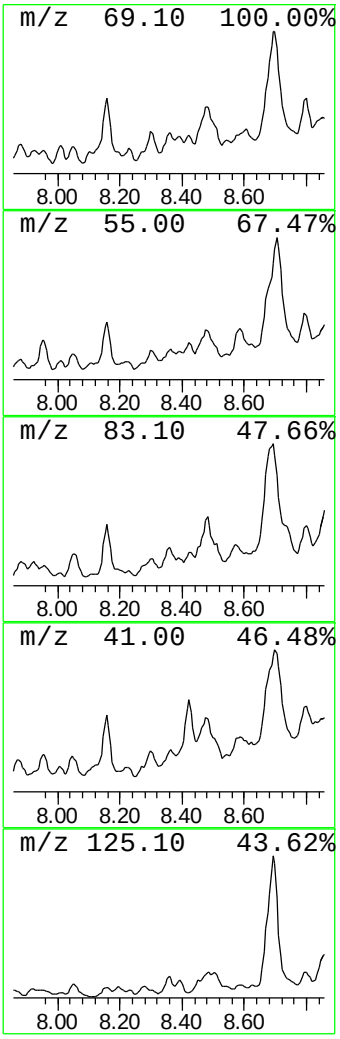
Peak Number 14 (DEL) Alkane: Cyclic8.36 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	5.17 ng/ul	1222770	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	70
2	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	49
3	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	49
4	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	46
5	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	43





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Quant Title : SVOA CALIBRATION

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

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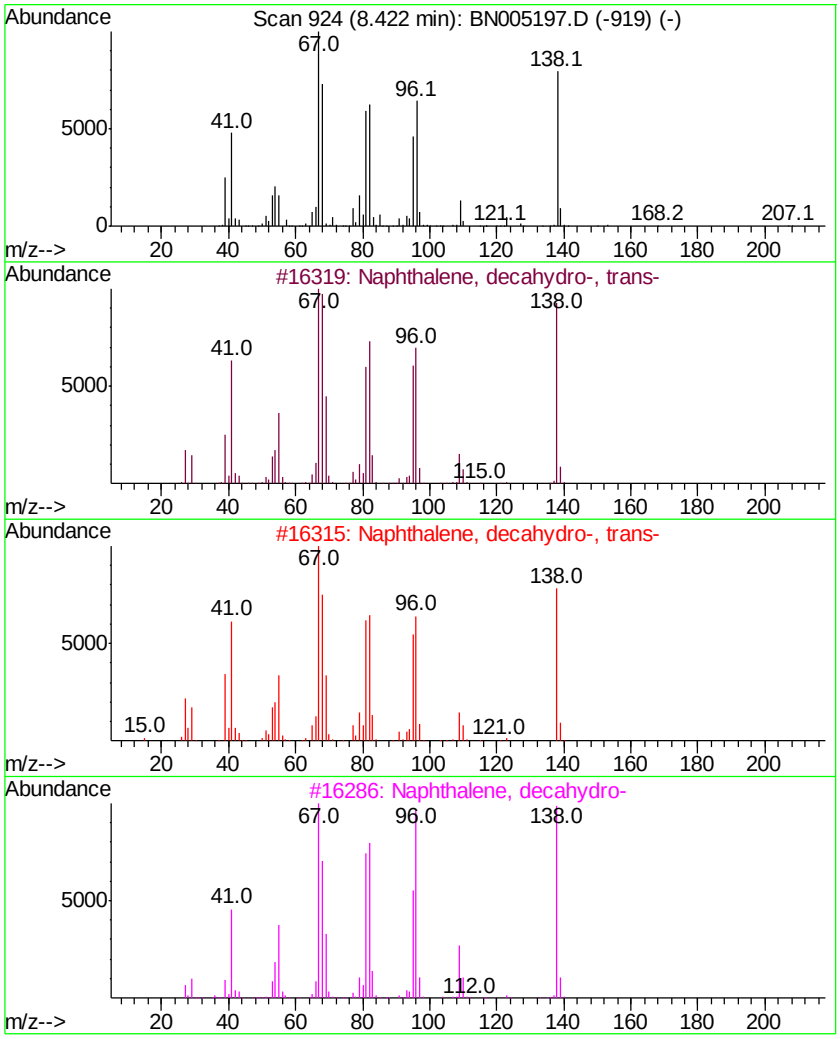
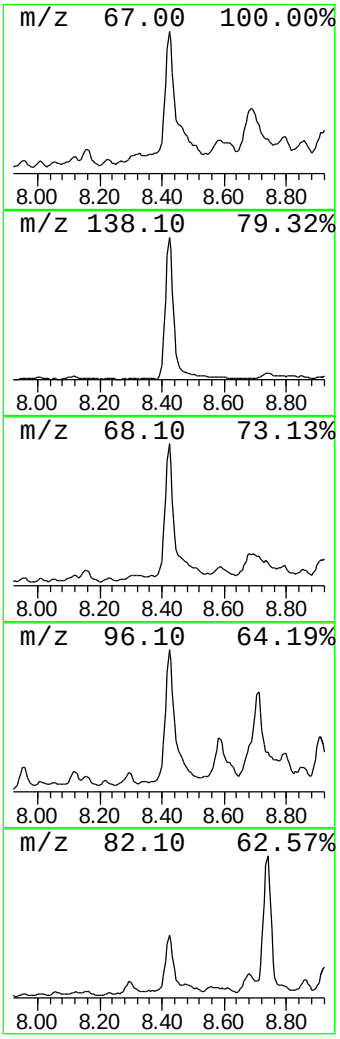
Peak Number 15 Naphthalene, decahydro-, tr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	23.85 ng/ul	5638260	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
2	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
3	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
4	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93





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Quant Title : SVOA CALIBRATION

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

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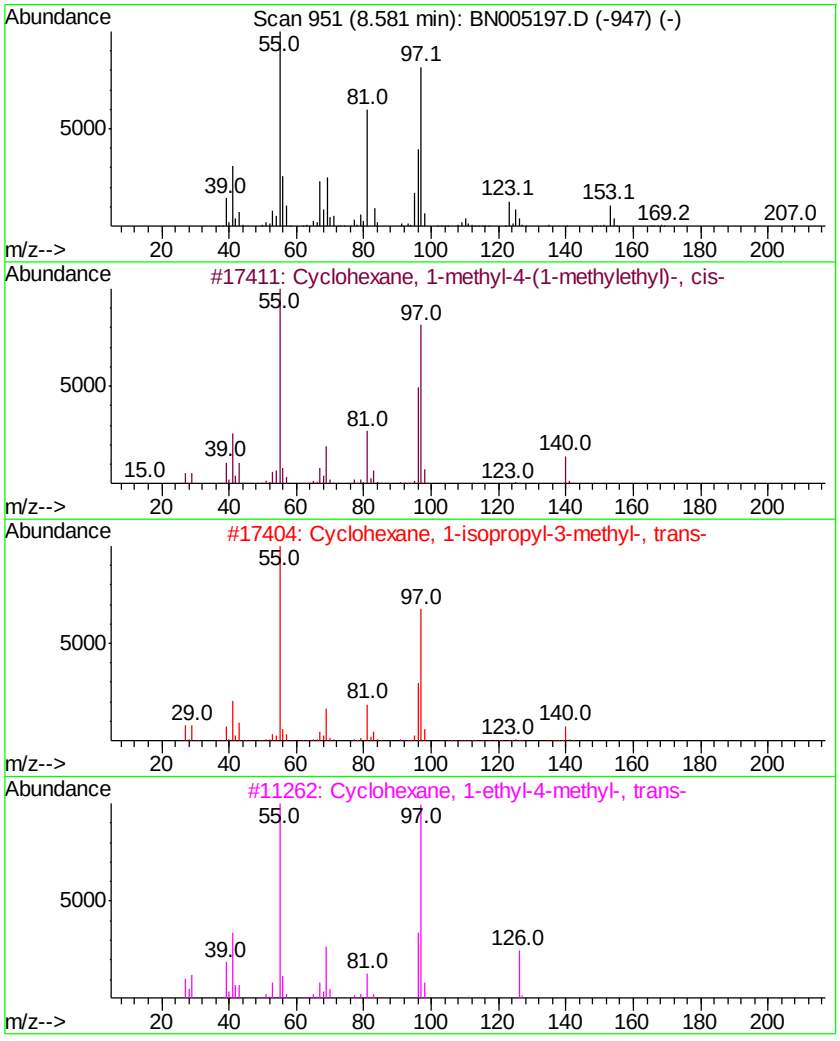
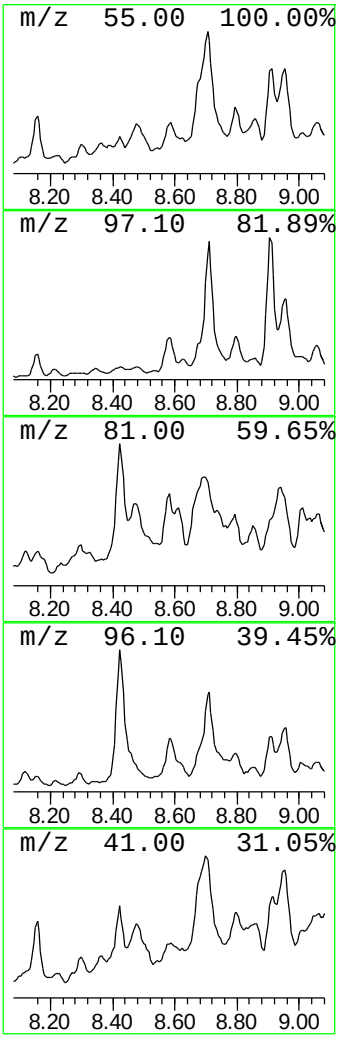
Peak Number 16 (DEL) Alkane: Cyclic8.58 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	15.32 ng/ul	3622220	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	53
2	Cyclohexane, 1-isopropyl-3-methy...	140	C10H20	1000158-54-3	53
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	53
4	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	53
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	53





Library Search Compound Report

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Data File : BN005197.D
Acq On : 23 Apr 2019 05:04
Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

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Quant Title : SVOA CALIBRATION

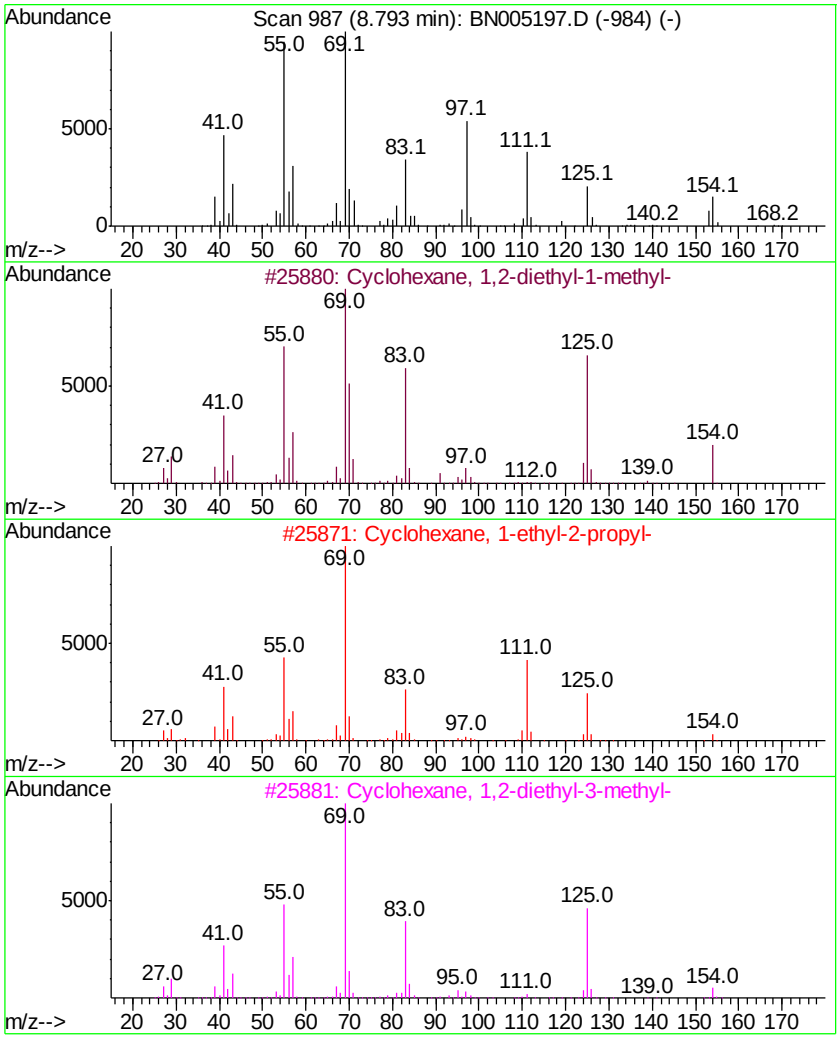
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

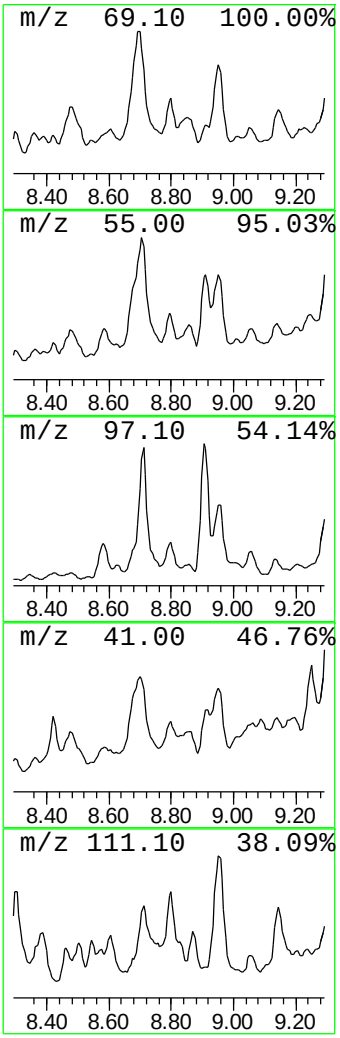
****

Peak Number 17 (DEL) Alkane: Cyclic8.79 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.79	9.64 ng/ul	2279530	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	52
2	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	52
3	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	47
4	Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	47
5	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	47





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Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

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Quant Title : SVOA CALIBRATION

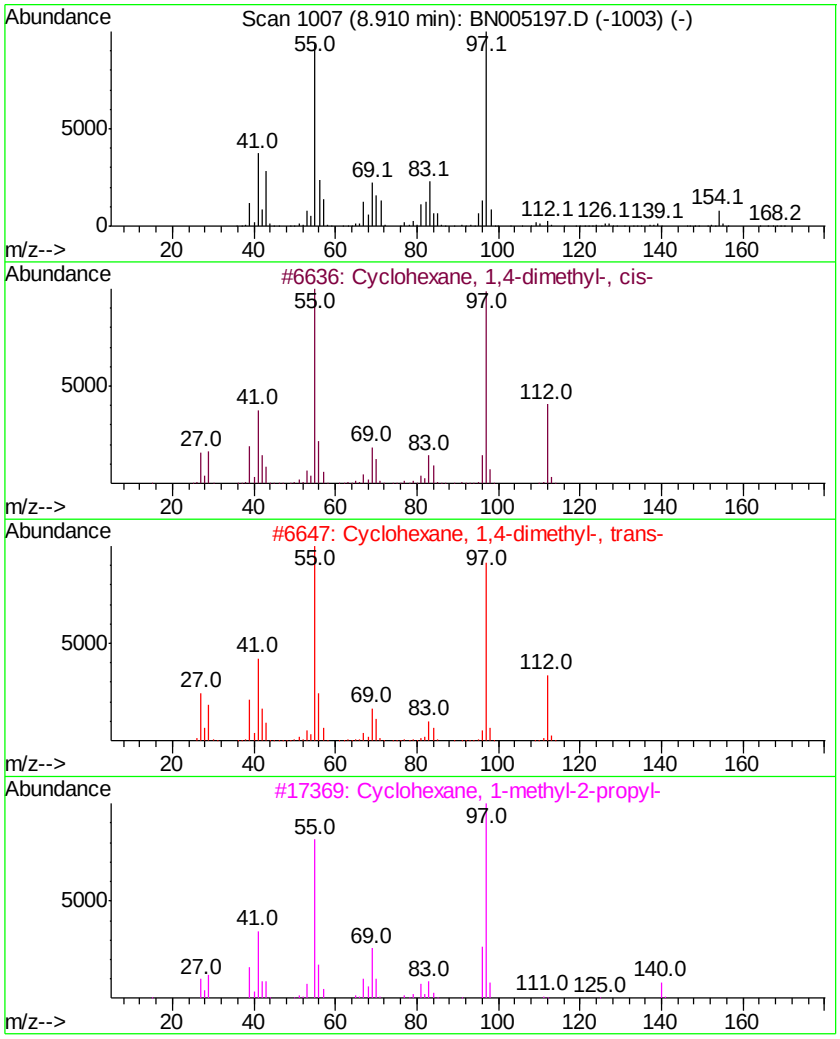
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

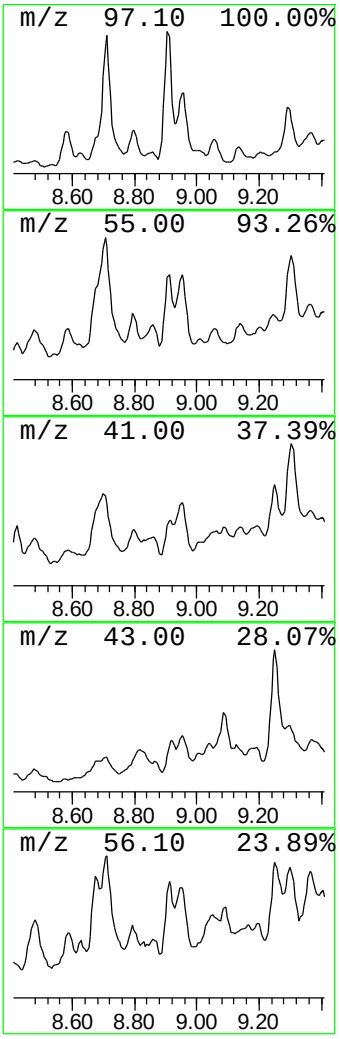
****

Peak Number 18 (DEL) Alkane: Cyclic8.91 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	27.36 ng/ul	6468200	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	72
2	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	64
3	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	64
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64
5	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	59





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Instrument : BNA_N
ClientSampleId : GAHR6

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Quant Title : SVOA CALIBRATION

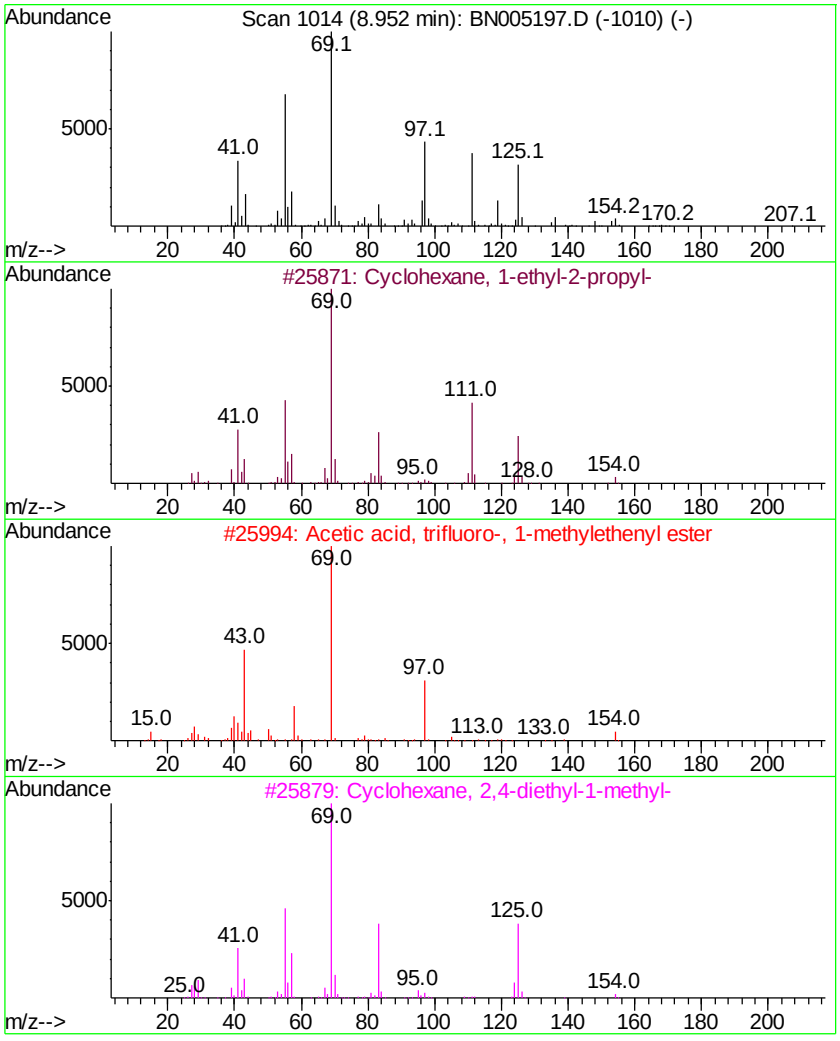
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

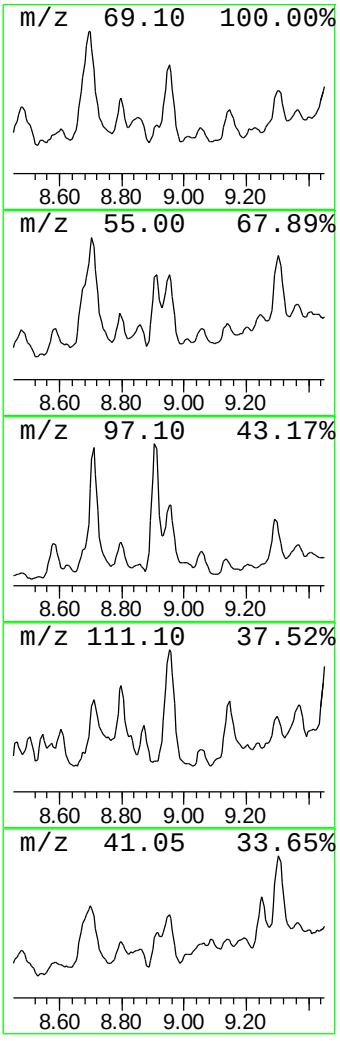
****

Peak Number 19 (DEL) Alkane: Cyclic8.95 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	41.45 ng/ul	9800110	1,4-Dichlorobenzene-d4	7.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	58
2	Acetic acid, trifluoro-, 1-methy...	154	C5H5F3O2	000400-39-5	47
3	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	43
4	1-Pentyne, 3-methyl-3-(1-methyle...	140	C9H16O	053966-55-5	38
5	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-29-3	38





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Sample : K2455-16
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ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

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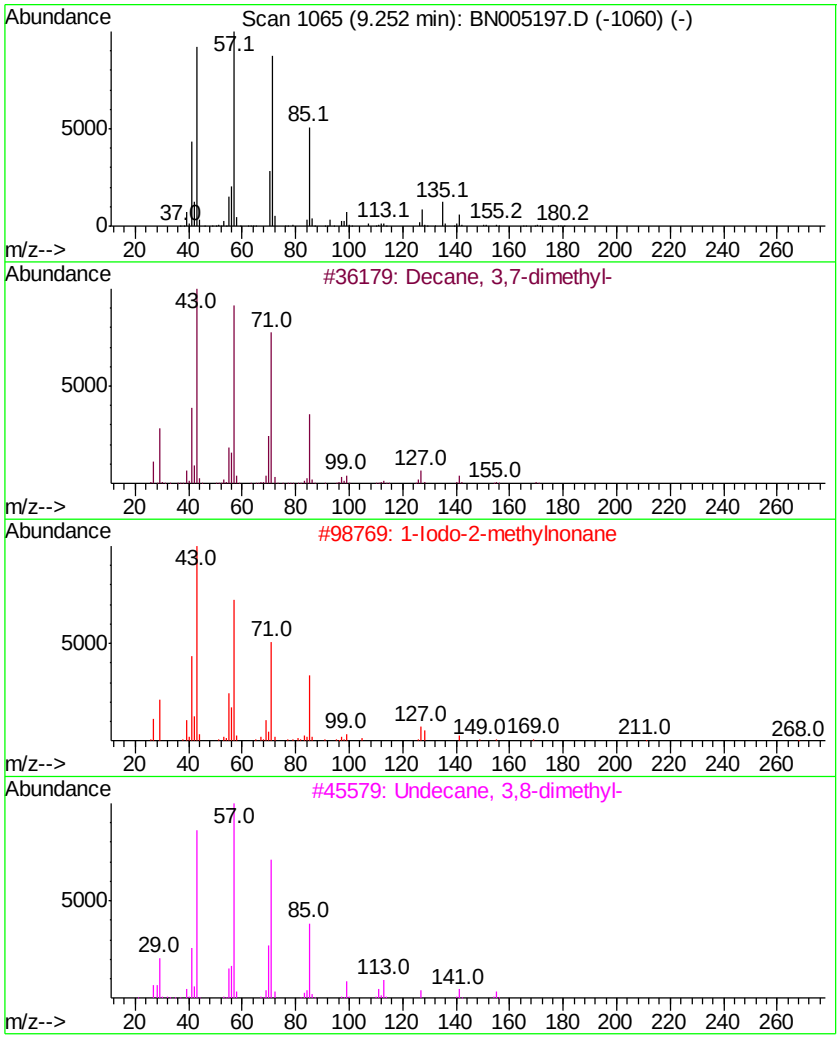
Quant Title : SVOA CALIBRATION

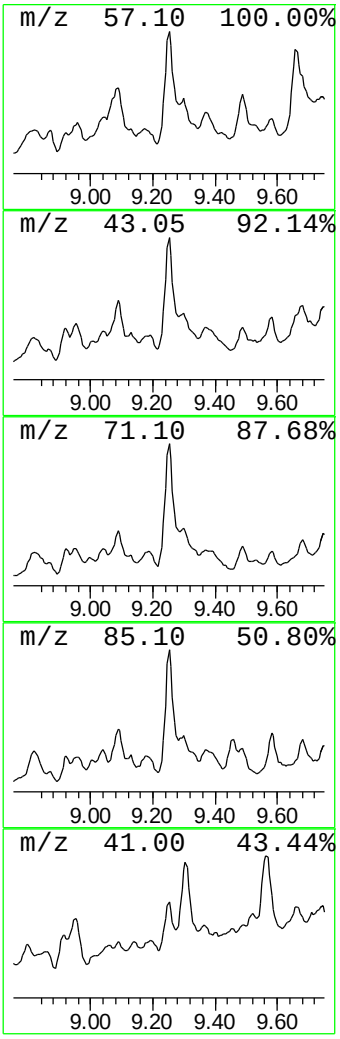
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	3.75 ng/ul	7190080	Naphthalene-d8	10.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	93
2	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	80
3	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	78
4	Decane, 2,3,8-trimethyl-	184	C13H28	062238-14-6	72
5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	64





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ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

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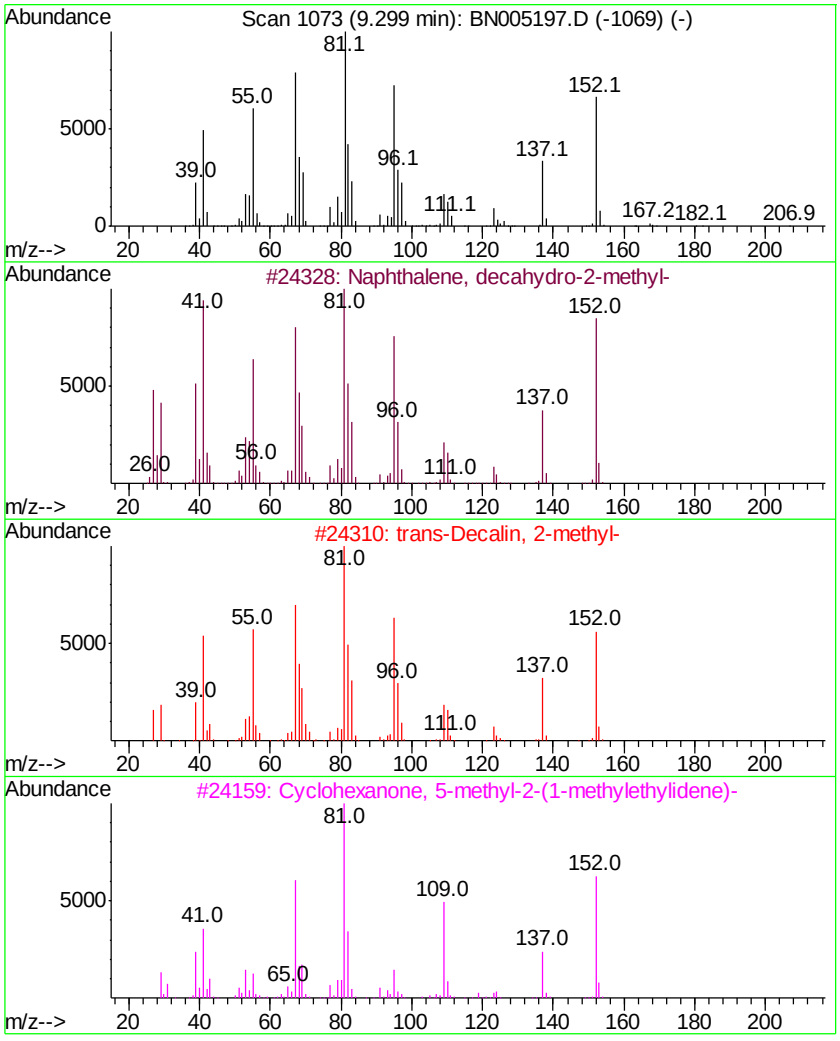
Quant Title : SVOA CALIBRATION

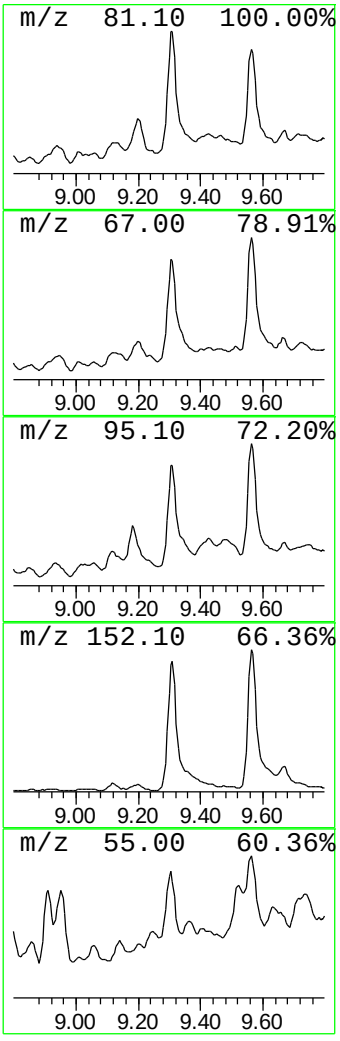
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Naphthalene, decahydro-2-me... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	9.72 ng/ul	18638300	Naphthalene-d8	10.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	99
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	95
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	81
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	81
5	Pulegone	152	C10H16O	000089-82-7	81





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Instrument : BNA_N
ClientSampleId : GAHR6

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Quant Title : SVOA CALIBRATION

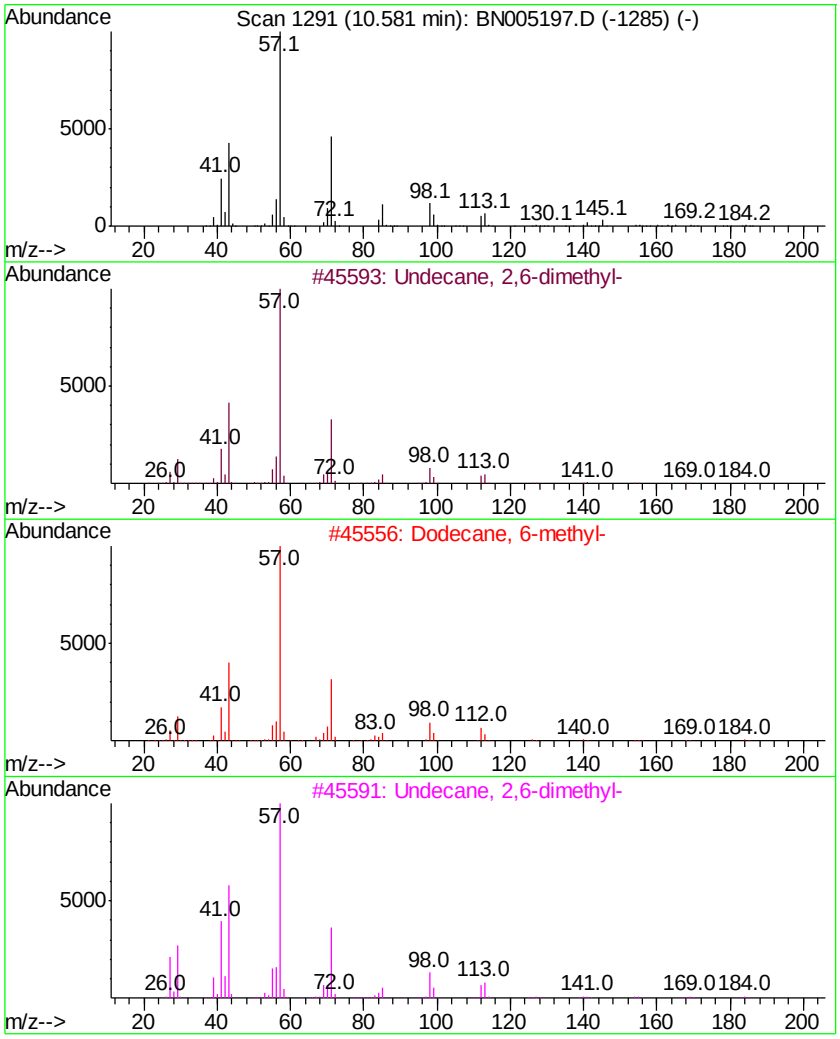
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

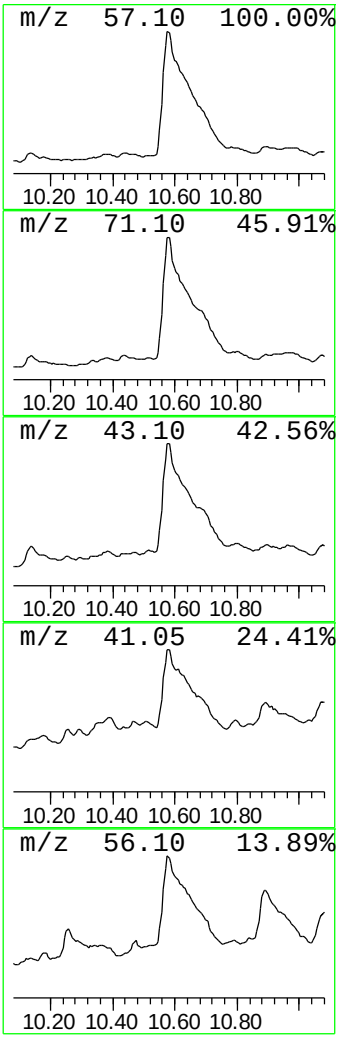
****

Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	20.00 ng/ul	38351800	Naphthalene-d8	10.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	87
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	83
4	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	64
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64





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Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

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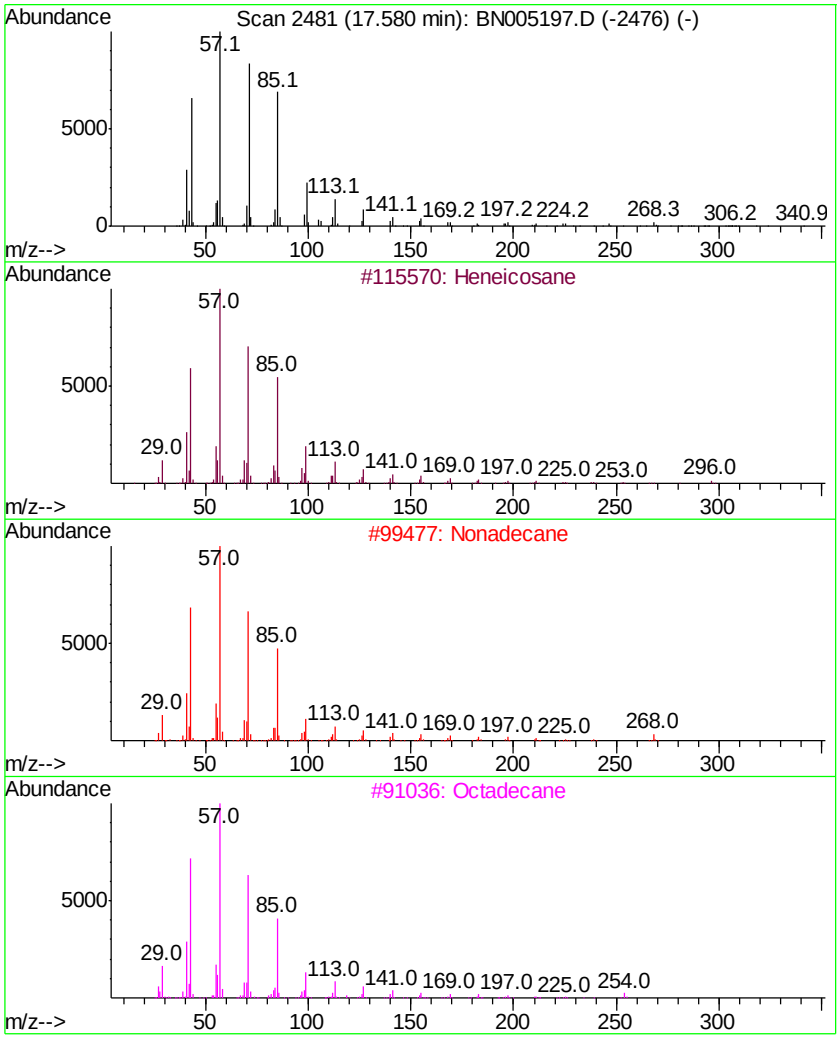
Quant Title : SVOA CALIBRATION

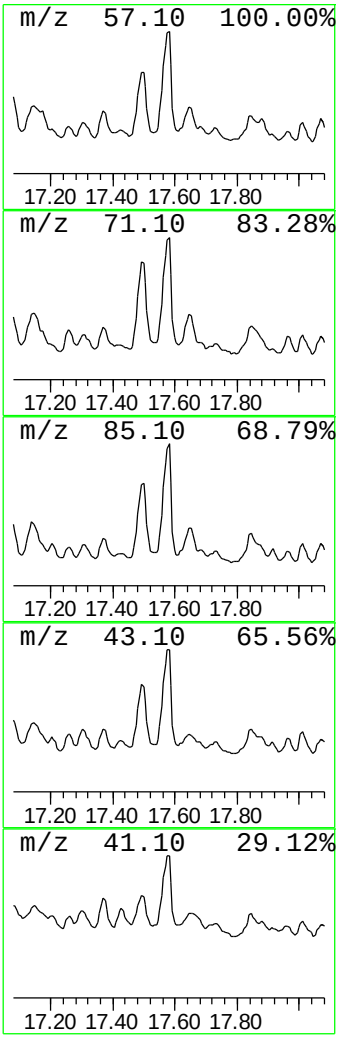
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.58	20.00 ng/ul	40421600	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Nonadecane	268	C19H40	000629-92-5	87
3	Octadecane	254	C18H38	000593-45-3	86
4	Heptadecane	240	C17H36	000629-78-7	86
5	Hexadecane	226	C16H34	000544-76-3	86





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Misc :
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Instrument : BNA_N
ClientSampleId : GAHR6

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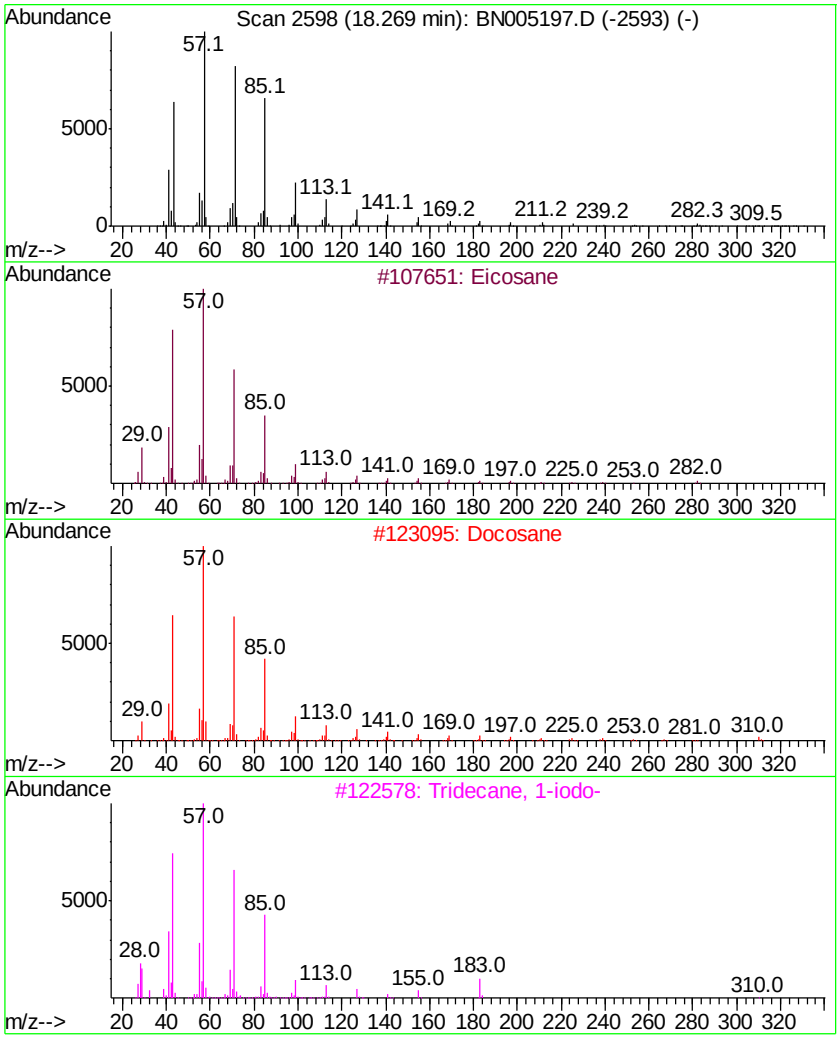
Quant Title : SVOA CALIBRATION

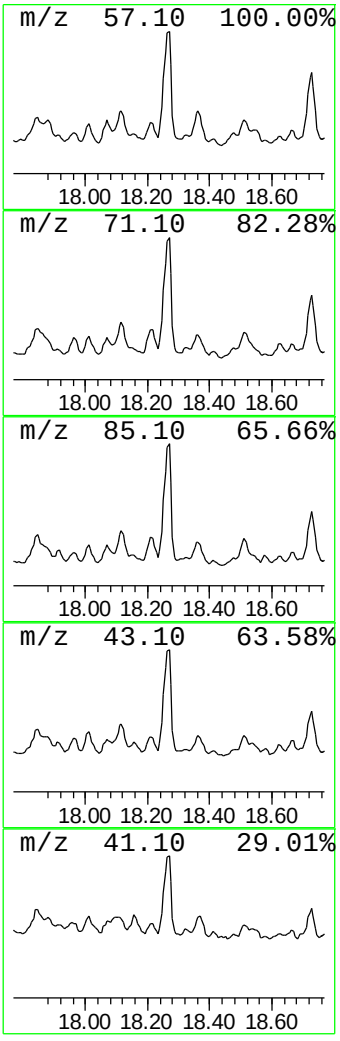
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	19.65 ng/ul	39721700	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Docosane	310	C22H46	000629-97-0	90
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
4	Tetratriacontane	479	C34H70	014167-59-0	90
5	Heptadecane	240	C17H36	000629-78-7	87





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Instrument : BNA_N
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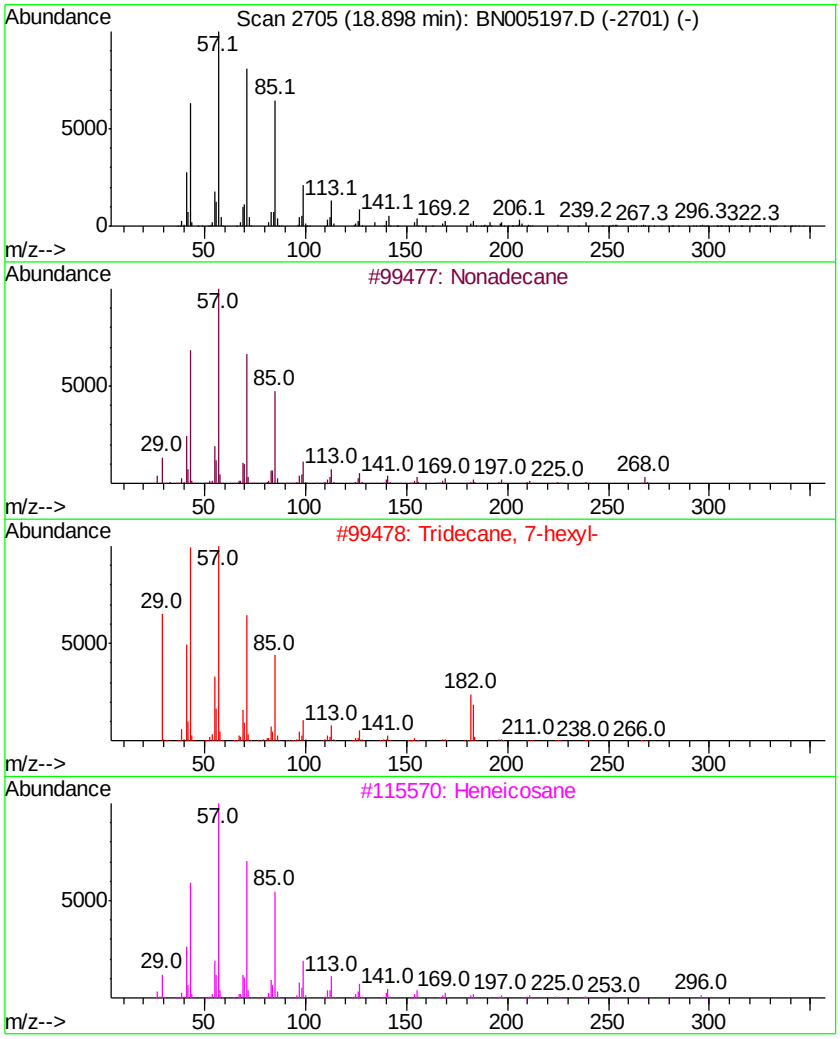
Quant Title : SVOA CALIBRATION

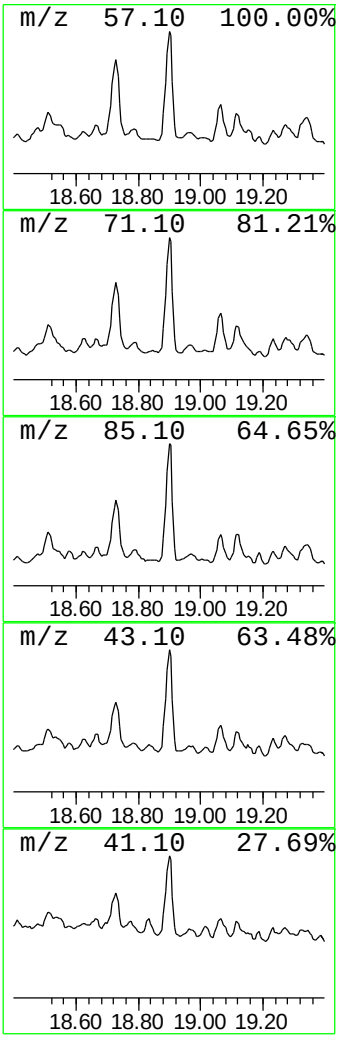
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	19.60 ng/ul	39621600	Phenanthrene-d10	17.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Octadecane	254	C18H38	000593-45-3	91
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90





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Quant Title : SVOA CALIBRATION

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

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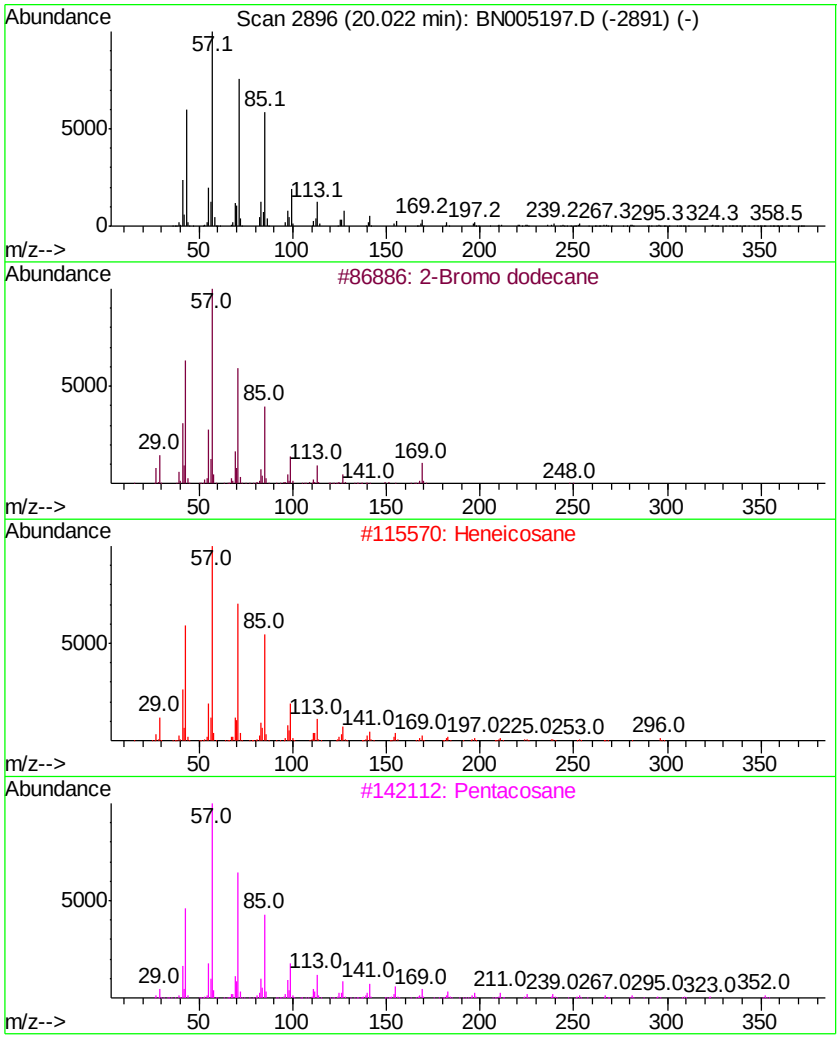
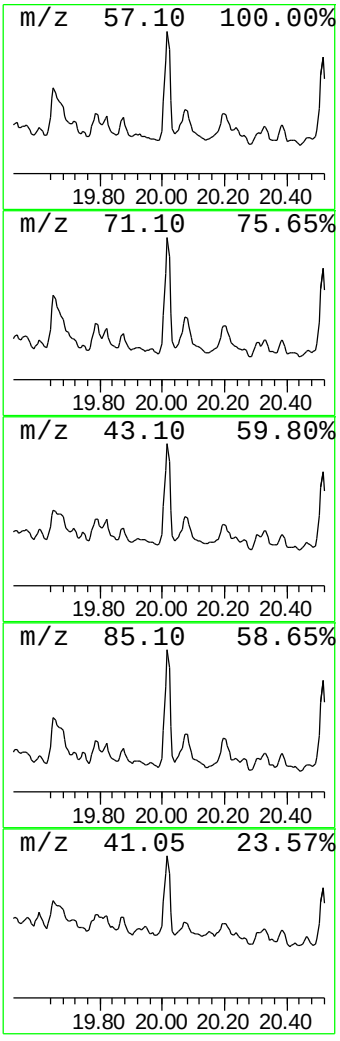
Peak Number 26 2-Bromo dodecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	36.37 ng/ul	22515400	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
2	Heneicosane	296	C21H44	000629-94-7	90
3	Pentacosane	352	C25H52	000629-99-2	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	90





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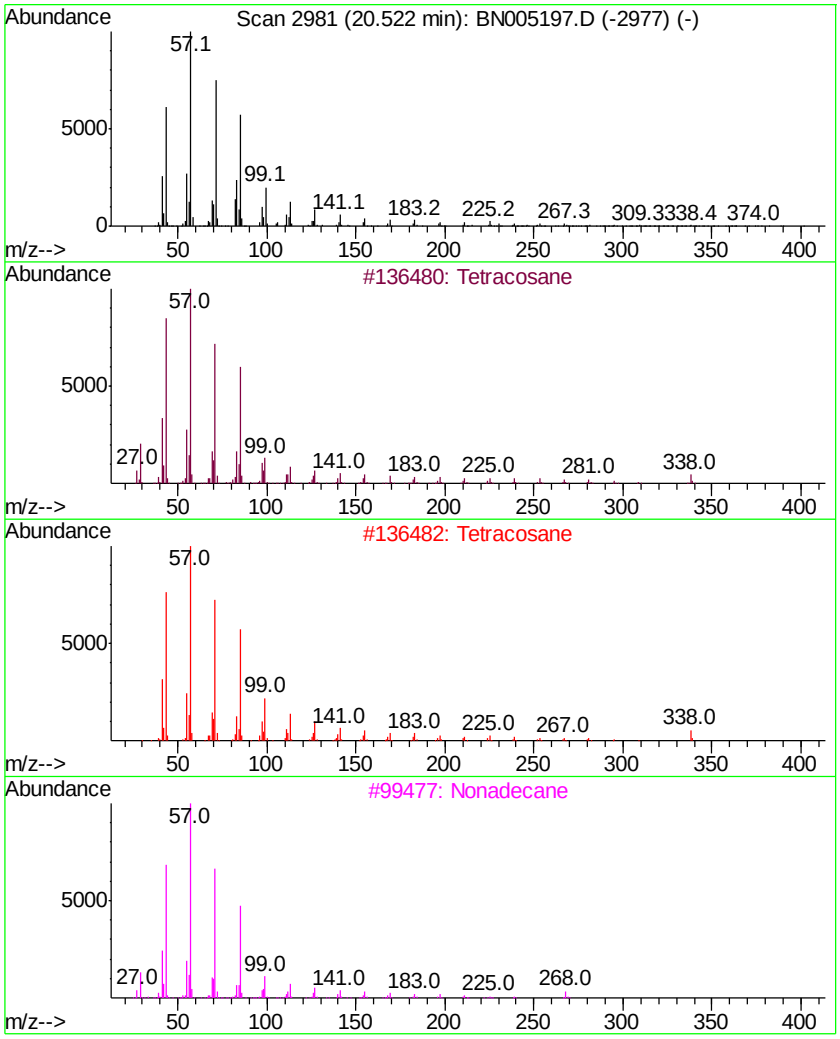
Quant Title : SVOA CALIBRATION

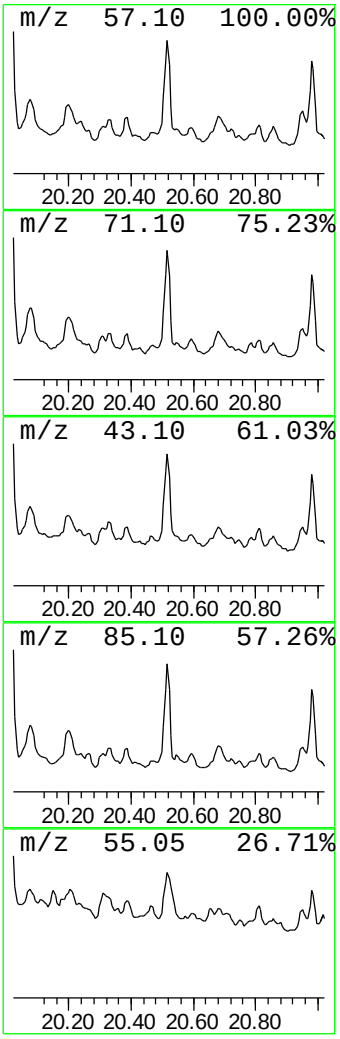
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.52	31.37 ng/ul	19421400	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	98
2	Tetracosane	338	C24H50	000646-31-1	98
3	Nonadecane	268	C19H40	000629-92-5	95
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93





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Quant Title : SVOA CALIBRATION

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

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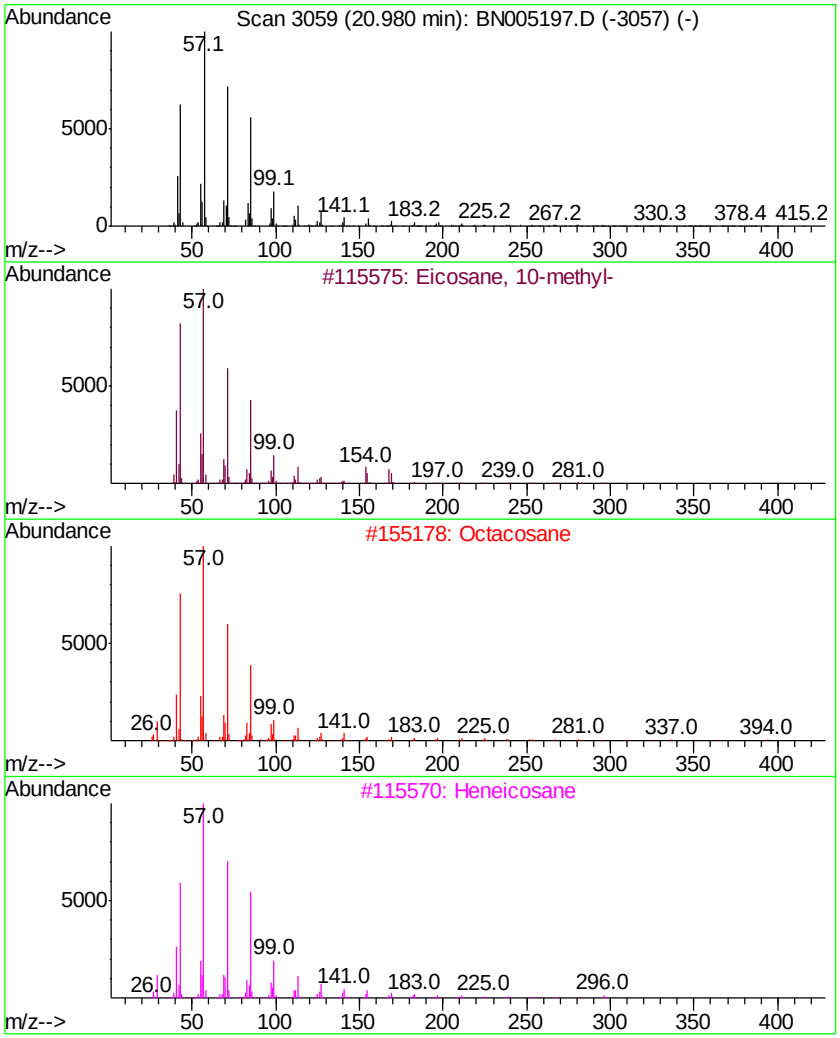
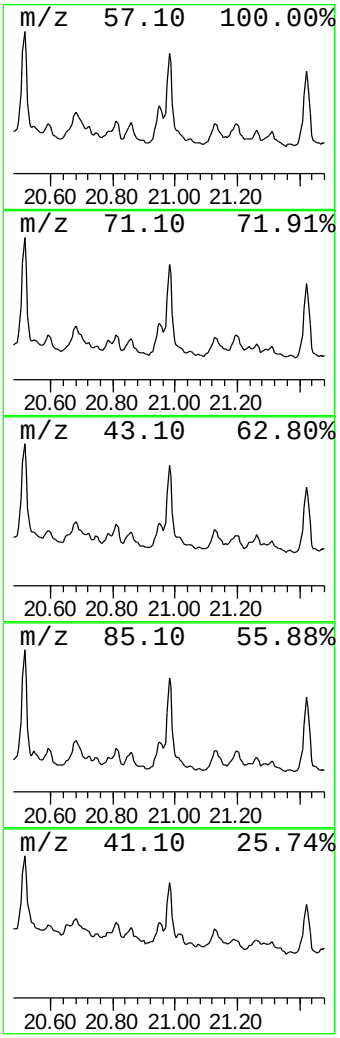
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	18.29 ng/ul	11324400	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
2	Octacosane	394	C28H58	000630-02-4	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Eicosane	282	C20H42	000112-95-8	91
5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005197.D
Acq On : 23 Apr 2019 05:04
Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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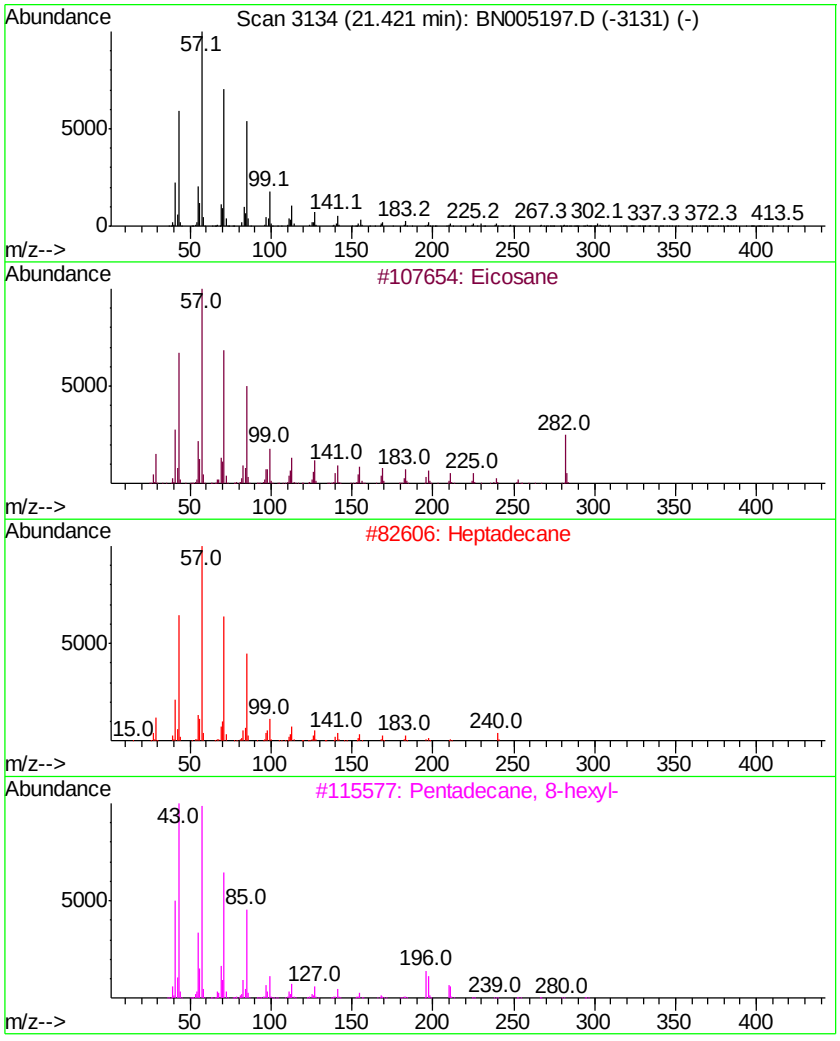
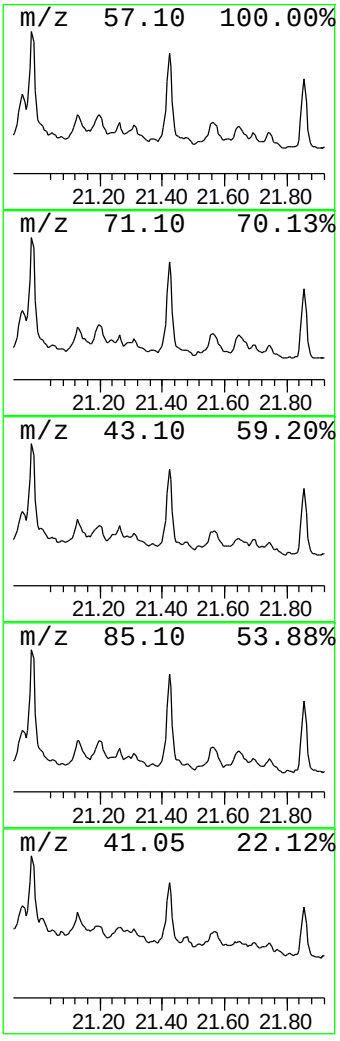
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.42	20.00 ng/ul	12380300	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Heptadecane	240	C17H36	000629-78-7	91
3	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	90
4	Nonadecane	268	C19H40	000629-92-5	90
5	Hexadecane	226	C16H34	000544-76-3	90





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Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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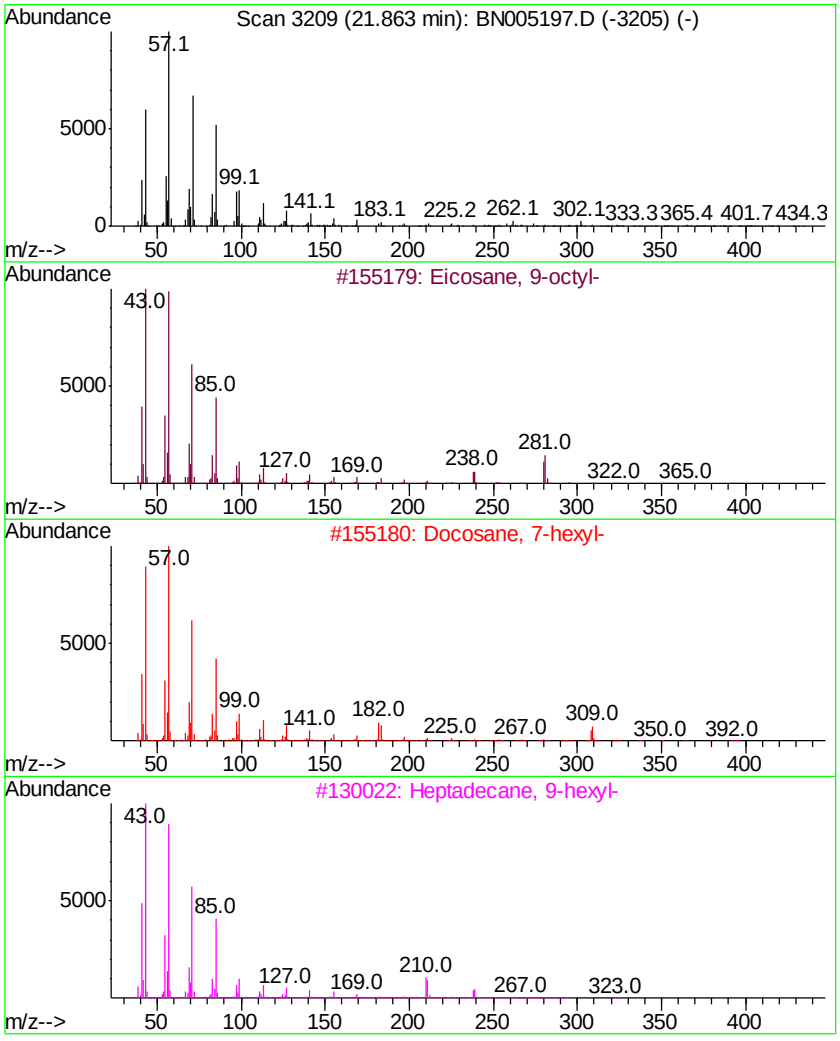
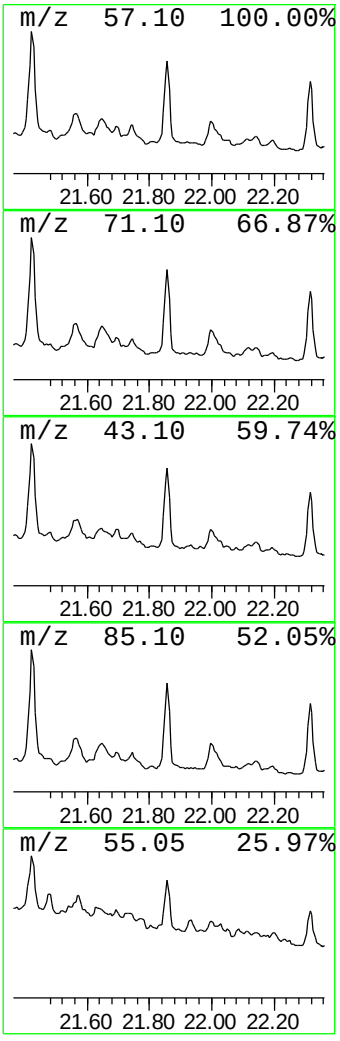
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.86	15.47 ng/ul	9573660	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 9-octyl-	394	C28H58	013475-77-9	94
2	Docosane, 7-hexyl-	394	C28H58	055373-86-9	93
3	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	93
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
5	Octacosane	394	C28H58	000630-02-4	91





Library Search Compound Report

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Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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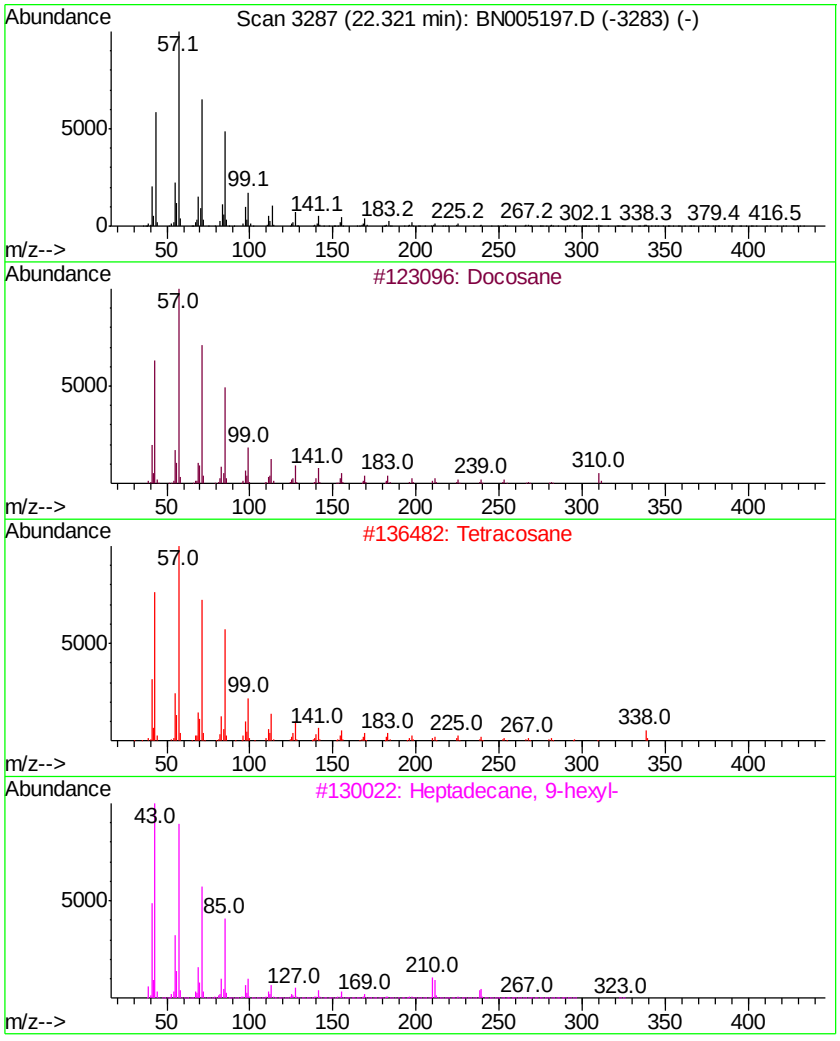
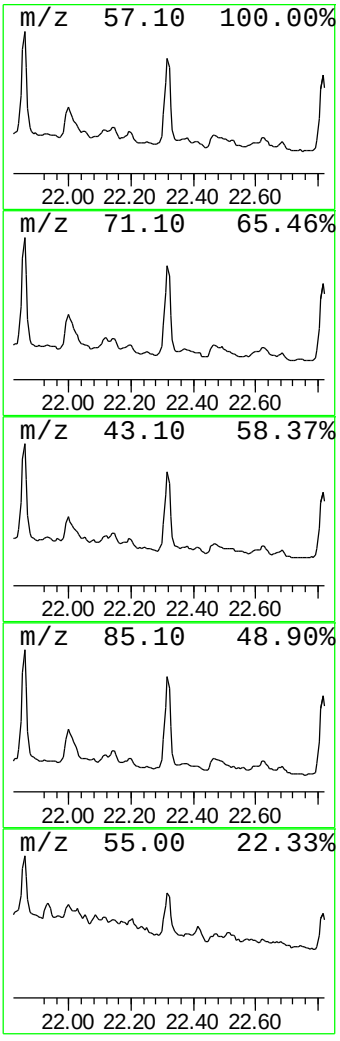
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.32	13.48 ng/ul	8345090	Chrysene-d12	21.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	97
2	Tetracosane	338	C24H50	000646-31-1	95
3	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	93
4	Tricosane	324	C23H48	000638-67-5	93
5	Heneicosane	296	C21H44	000629-94-7	91





Library Search Compound Report

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Data File : BN005197.D
Acq On : 23 Apr 2019 05:04
Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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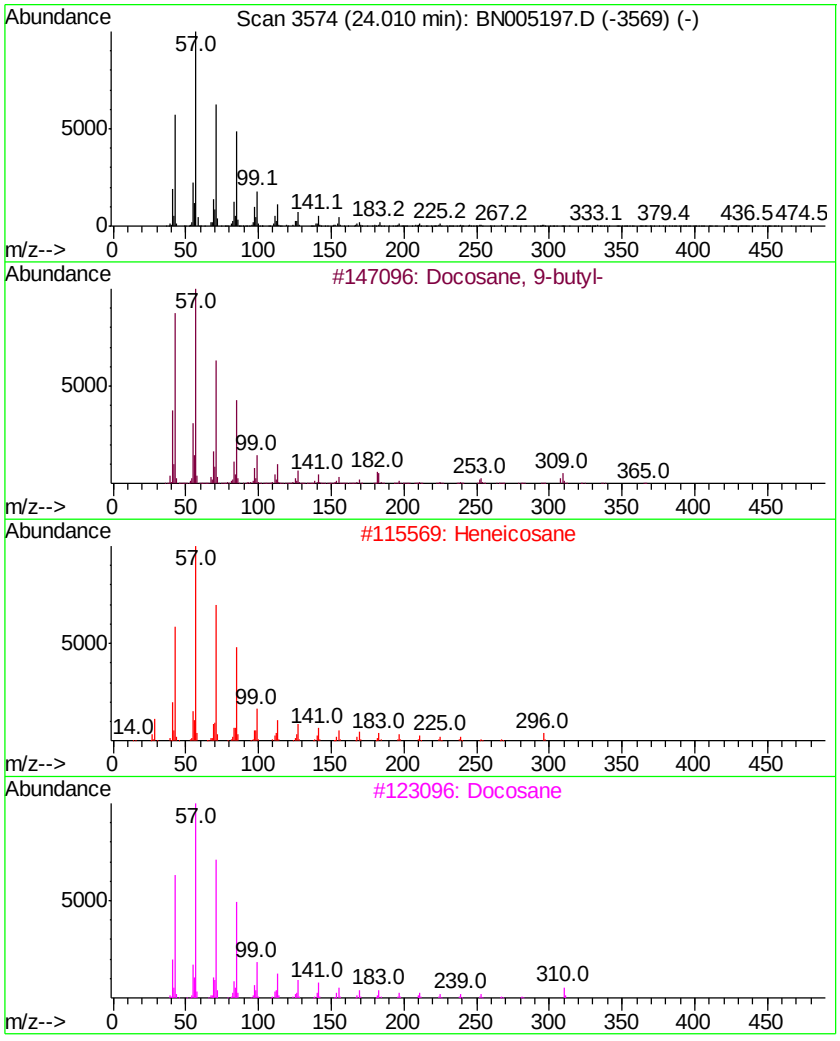
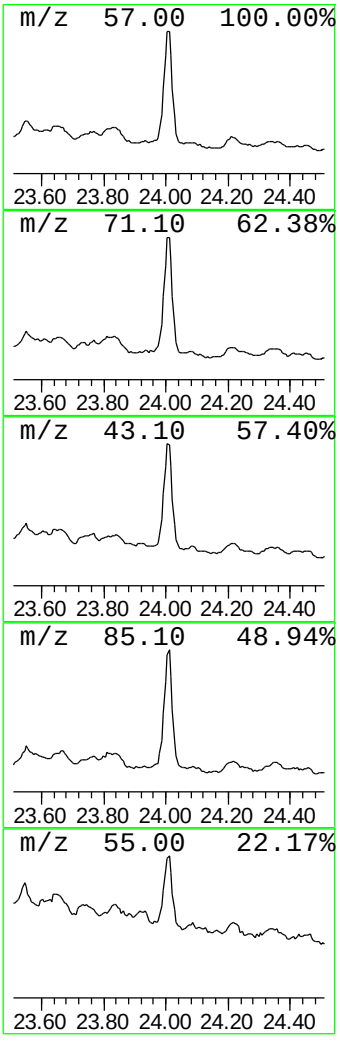
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.01	16.21 ng/ul	6664280	Perylene-d12	23.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 9-butyl-	366	C26H54	055282-14-9	95
2	Heneicosane	296	C21H44	000629-94-7	93
3	Docosane	310	C22H46	000629-97-0	93
4	Octacosane	394	C28H58	000630-02-4	91
5	Docosane, 9-butyl-	366	C26H54	055282-14-9	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042219\
Data File : BN005197.D
Acq On : 23 Apr 2019 05:04
Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

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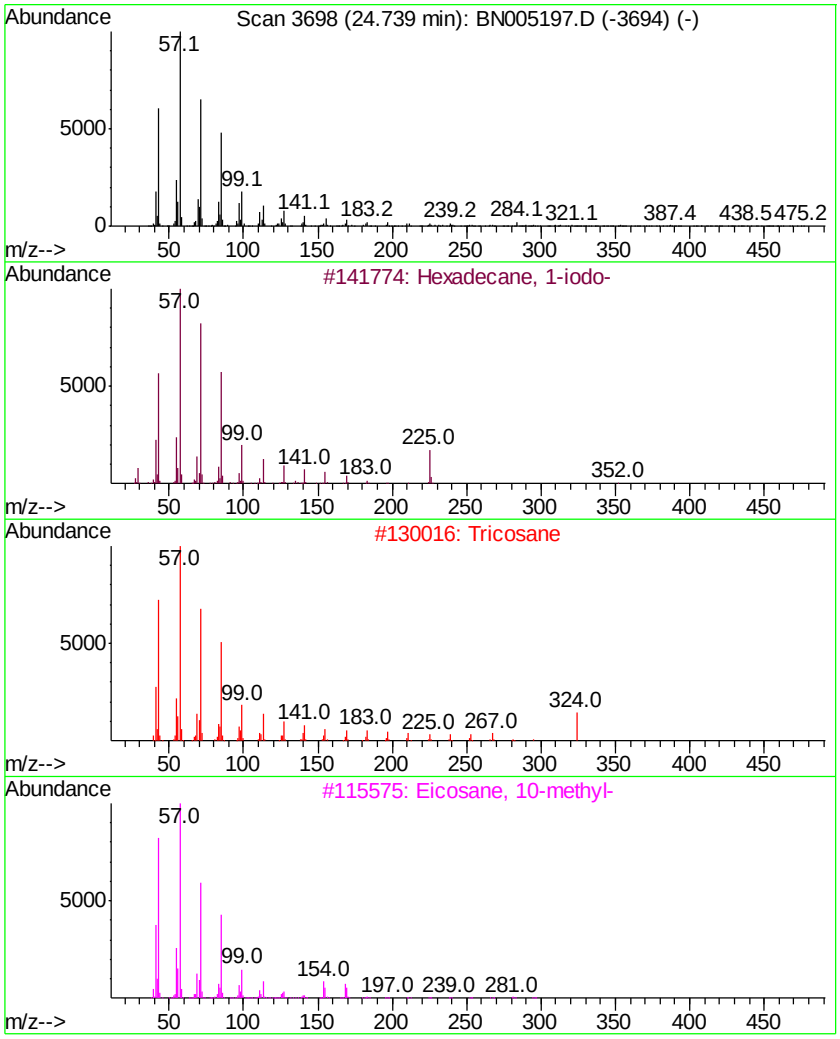
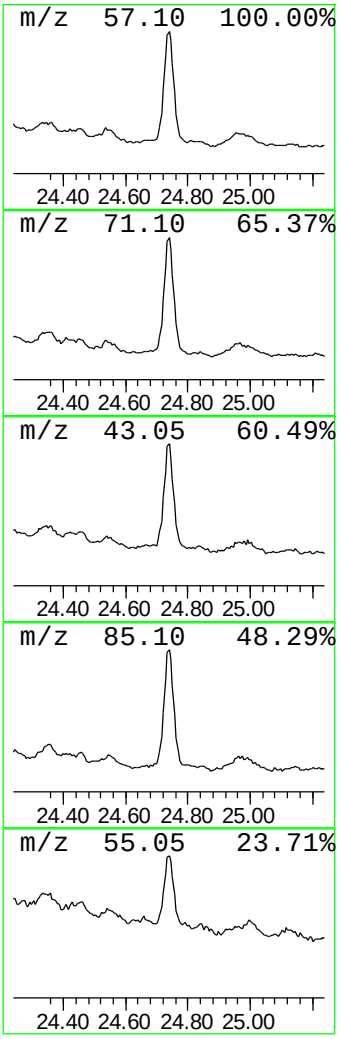
Peak Number 33 Hexadecane, 1-iodo- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.74	12.35 ng/ul	5079020	Perylene-d12	23.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	94
2	Tricosane	324	C23H48	000638-67-5	93
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
4	Octadecane, 2-methyl-	268	C19H40	001560-88-9	93
5	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042219\
Data File : BN005197.D
Acq On : 23 Apr 2019 05:04
Operator : JU/SJ
Sample : K2455-16
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAHR6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-etheny...	7.28	3.0	ng/ul	704784	1	7.60	4728760	20.0
(DEL) Alkane: Str...	7.43	3.6	ng/ul	858771	1	7.60	4728760	20.0
Bicyclo[3.1.1]hep...	7.53	7.8	ng/ul	1849770	1	7.60	4728760	20.0
unknown-01	7.68	3.8	ng/ul	900186	1	7.60	4728760	20.0
(DEL) Alkane: Cyc...	7.73	2.7	ng/ul	634249	1	7.60	4728760	20.0
(DEL) Alkane: Cyc...	7.80	10.8	ng/ul	2558630	1	7.60	4728760	20.0
unknown-02	7.83	2.2	ng/ul	524092	1	7.60	4728760	20.0
(DEL) Alkane: Cyc...	7.88	5.9	ng/ul	1398690	1	7.60	4728760	20.0
(DEL) Alkane: Cyc...	7.95	8.6	ng/ul	2028720	1	7.60	4728760	20.0
Cyclopentane, 1,1...	8.00	3.0	ng/ul	706303	1	7.60	4728760	20.0
(DEL) Alkane: Cyc...	8.05	6.8	ng/ul	1610260	1	7.60	4728760	20.0
(DEL) Alkane: Cyc...	8.12	4.8	ng/ul	1126720	1	7.60	4728760	20.0
(DEL) Alkane: Cyc...	8.16	23.0	ng/ul	5427590	1	7.60	4728760	20.0
(DEL) Alkane: Cyc...	8.36	5.2	ng/ul	1222770	1	7.60	4728760	20.0
Naphthalene, deca...	8.42	23.9	ng/ul	5638260	1	7.60	4728760	20.0
(DEL) Alkane: Cyc...	8.58	15.3	ng/ul	3622220	1	7.60	4728760	20.0
(DEL) Alkane: Cyc...	8.79	9.6	ng/ul	2279530	1	7.60	4728760	20.0
(DEL) Alkane: Cyc...	8.91	27.4	ng/ul	6468200	1	7.60	4728760	20.0
(DEL) Alkane: Cyc...	8.95	41.5	ng/ul	9800110	1	7.60	4728760	20.0
(DEL) Alkane: Str...	9.25	3.8	ng/ul	7190080	2	10.37	38351800	20.0
Naphthalene, deca...	9.30	9.7	ng/ul	18638300	2	10.37	38351800	20.0
(DEL) Alkane: Str...	10.58	20.0	ng/ul	38351800	2	10.37	38351800	20.0
(DEL) Alkane: Str...	17.58	20.0	ng/ul	40421600	4	17.03	40421600	20.0
(DEL) Alkane: Str...	18.27	19.6	ng/ul	39721700	4	17.03	40421600	20.0
(DEL) Alkane: Str...	18.90	19.6	ng/ul	39621600	4	17.03	40421600	20.0
2-Bromo dodecane	20.02	36.4	ng/ul	22515400	5	21.23	12380300	20.0
(DEL) Alkane: Str...	20.52	31.4	ng/ul	19421400	5	21.23	12380300	20.0
(DEL) Alkane: Str...	20.98	18.3	ng/ul	11324400	5	21.23	12380300	20.0
(DEL) Alkane: Str...	21.42	20.0	ng/ul	12380300	5	21.23	12380300	20.0
(DEL) Alkane: Str...	21.86	15.5	ng/ul	9573660	5	21.23	12380300	20.0
(DEL) Alkane: Str...	22.32	13.5	ng/ul	8345090	5	21.23	12380300	20.0
(DEL) Alkane: Str...	24.01	16.2	ng/ul	6664280	6	23.43	8223880	20.0
Hexadecane, 1-iodo-	24.74	12.4	ng/ul	5079020	6	23.43	8223880	20.0