LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071425\
Data File : BM050444.D
Acq On : 15 Jul 2025 02:52
Operator : RC/JU
Sample : Q2559-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
500-3B CONCRETE CHIP

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_M\Methods\8270-BM070925.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050444.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.040	5	9	23	rVB	986509	1320845	10.29%	1.734%
2	4.375	230	236	243	rBV	1211814	1643249	12.80%	2.157%
3	4.975	332	338	346	rBV	2688465	3755043	29.26%	4.930%
4	5.434	410	416	426	rBV	2280350	3385744	26.38%	4.445%
5	7.016	678	685	699	rVB	3445791	5705433	44.46%	7.490%
6	7.863	822	829	836	rBV	1619641	2600120	20.26%	3.414%
7	9.010	1014	1024	1032	rBV	2541660	4176024	32.54%	5.482%
8	10.657	1294	1304	1310	rBV	1945077	3436299	26.78%	4.511%
9	13.110	1714	1721	1732	rBV	7887137	11502039	89.63%	15.100%
10	13.768	1829	1833	1836	rBV3	836615	1291676	10.06%	1.696%
11	13.857	1844	1848	1852	rBV6	716251	1353658	10.55%	1.777%
12	14.027	1874	1877	1881	rVB5	983042	1160878	9.05%	1.524%
13	14.151	1894	1898	1902	rBV6	1171185	1900261	14.81%	2.495%
14	14.398	1937	1940	1945	rBV2	2001037	3276814	25.53%	4.302%
15	14.486	1948	1955	1959	rBV4	5192865	12833396	100.00%	16.848%
16	21.450	3136	3139	3152	rVB	5592623	10276753	80.08%	13.492%
17	24.468	3645	3652	3668	rVB	2468717	6552645	51.06%	8.603%

Sum of corrected areas: 76170877

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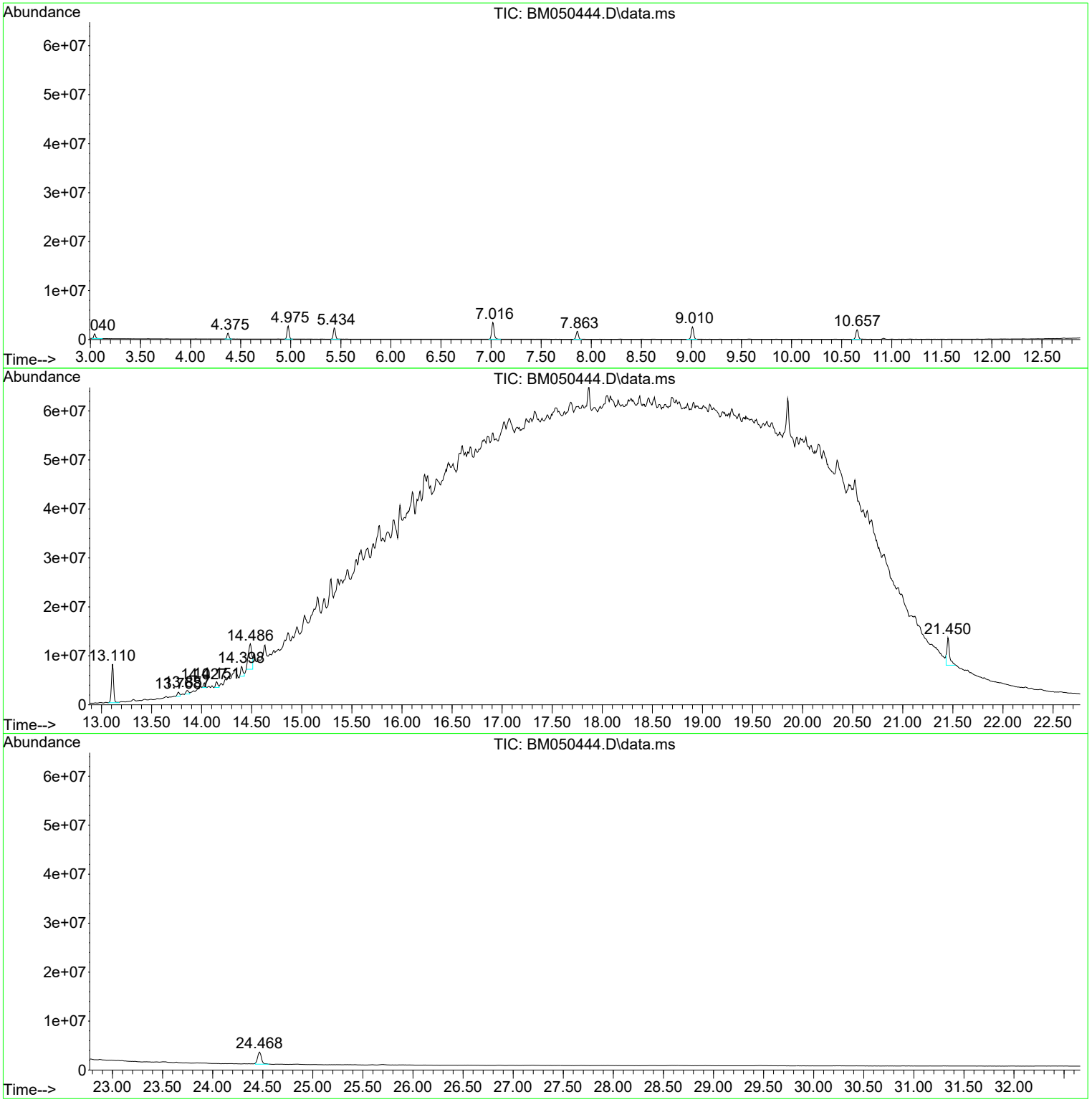
ClientSampleId :
500-3B CONCRETE CHIP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.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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TIC Library : C:\Database\NIST20.L
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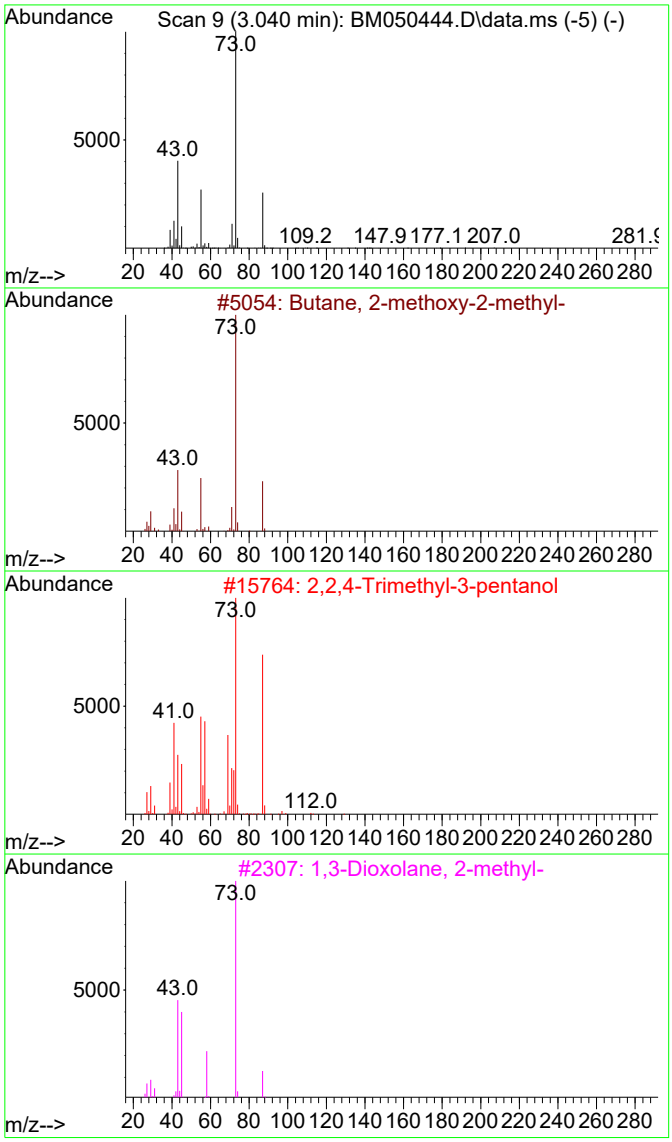
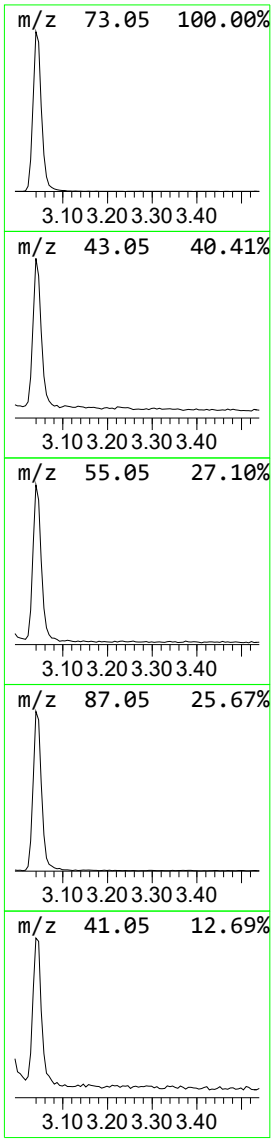
****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.040	10.16 ng	1320850	1,4-Dichlorobenzene-d4	7.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	28
5	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	25





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ClientSampleId :
500-3B CONCRETE CHIP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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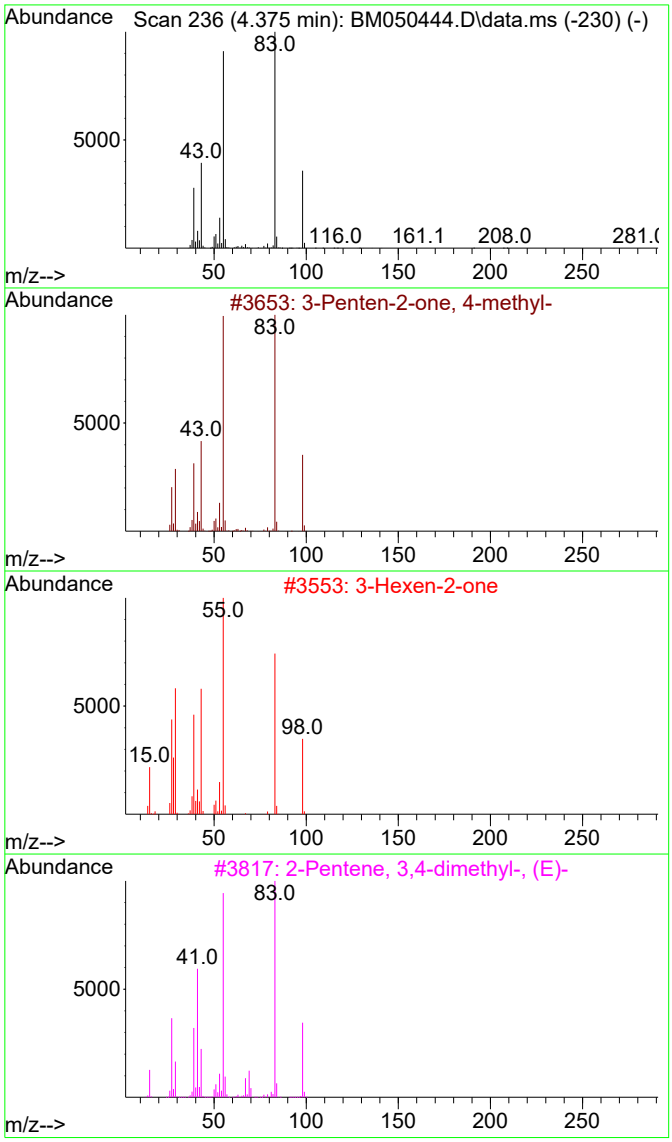
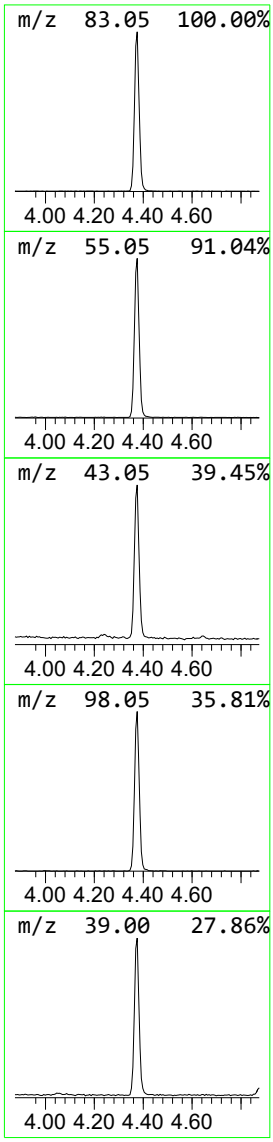
****

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.375	12.64 ng	1643250	1,4-Dichlorobenzene-d4	7.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	95
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
500-3B CONCRETE CHIP

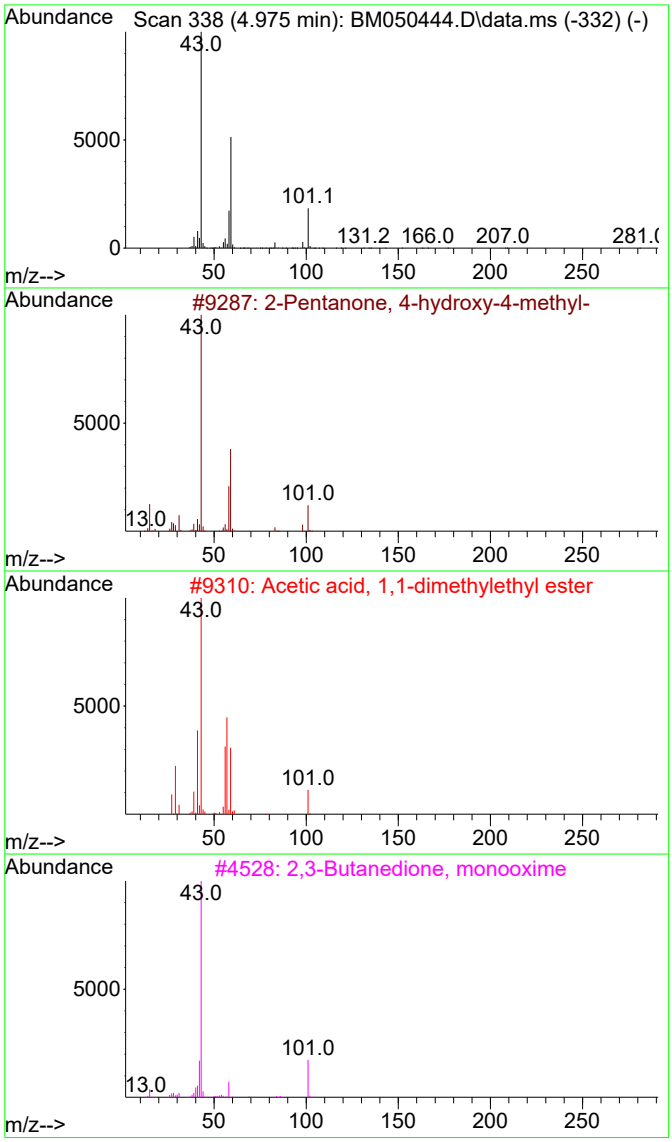
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

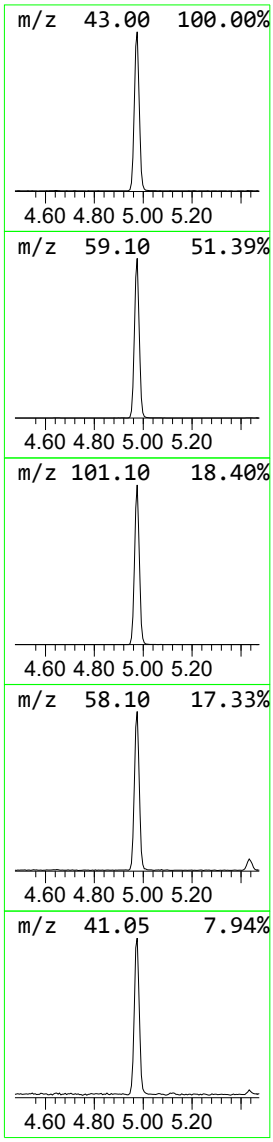
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.975	28.88 ng	3755040	1,4-Dichlorobenzene-d4	7.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





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BNA_M
ClientSampleId :
500-3B CONCRETE CHIP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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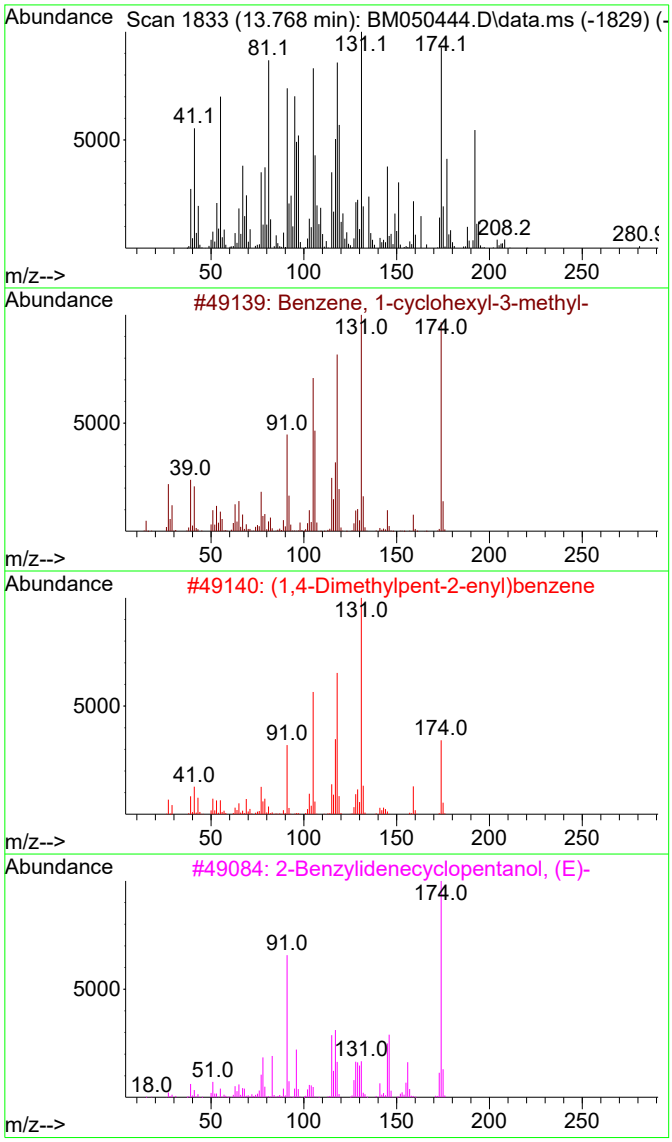
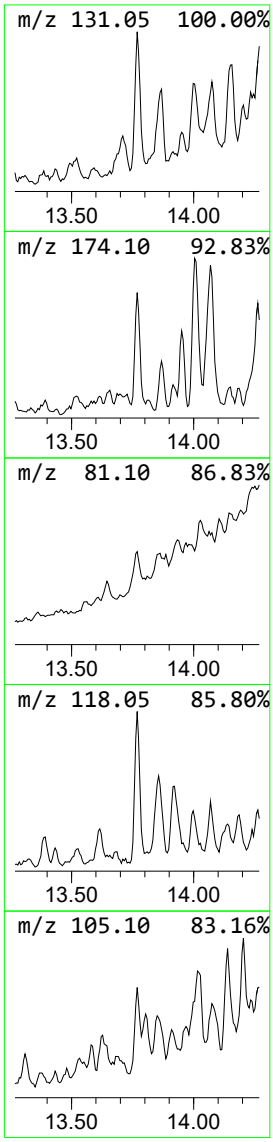
****
Peak Number 4 Benzene, 1-cyclohexyl-3-met... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.769	2.01 ng	1291680	Acenaphthene-d10	14.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-cyclohexyl-3-methyl-	174	C13H18	004575-46-6	60
2	(1,4-Dimethylpent-2-enyl)benzene	174	C13H18	1000184-97-9	55
3	2-Benzylidenecyclopentanol, (E)-	174	C12H14O	058738-53-7	38
4	1-Methyl-2-cyclohexylbenzene	174	C13H18	004501-35-3	35
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	22





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500-3B CONCRETE CHIP

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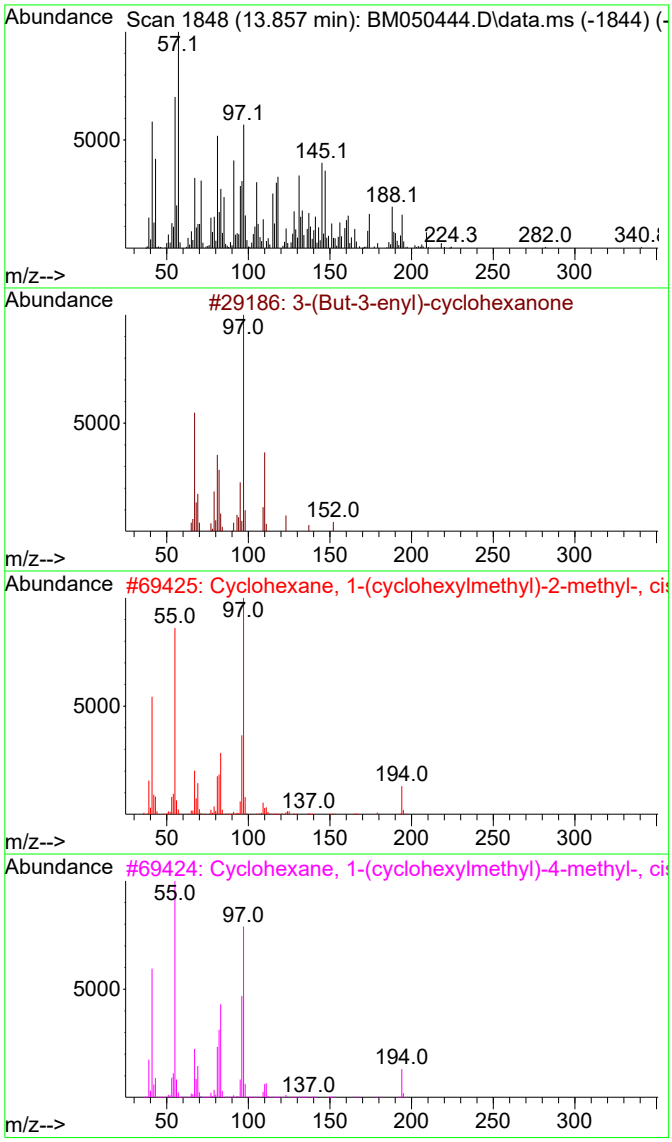
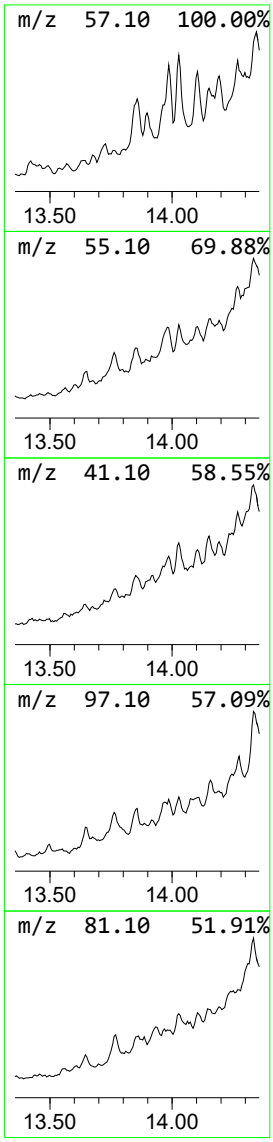
****

Peak Number 5 unknown13.857 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.857	2.11 ng	1353660	Acenaphthene-d10	14.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(But-3-enyl)-cyclohexanone	152	C10H16O	003636-03-1	25
2	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054824-04-3	18
3	Cyclohexane, 1-(cyclohexylmethyl...	194	C14H26	054823-97-1	18
4	Oct-3-ene-1,5-diyne, 3-t-butyl-7...	188	C14H20	1000211-23-0	14
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	11





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BNA_M
ClientSampleId :
500-3B CONCRETE CHIP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM070925.M
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TIC Library : C:\Database\NIST20.L
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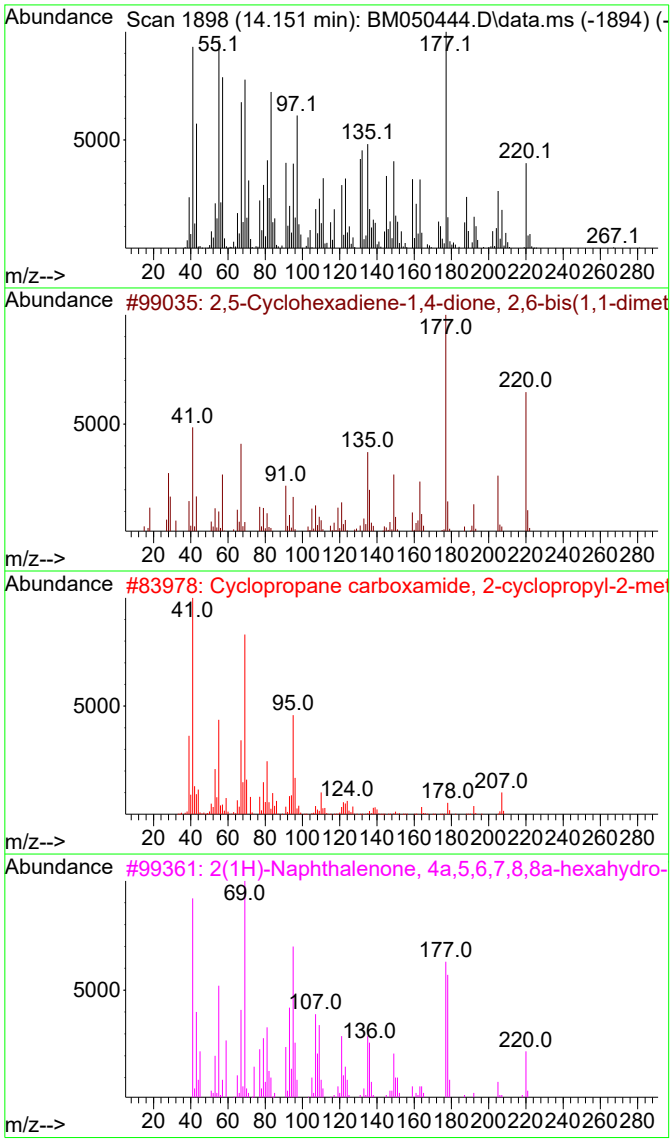
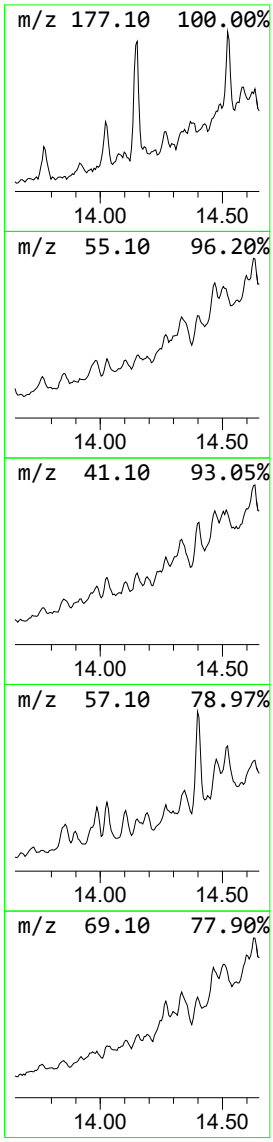
****
Peak Number 6 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.151	2.96 ng	1900260	Acenaphthene-d10	14.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Cyclohexadiene-1,4-dione, 2,...	220	C14H20O2	000719-22-2	83
2	Cyclopropane carboxamide, 2-cycl...	207	C13H21NO	331416-19-4	46
3	2(1H)-Naphthalenone, 4a,5,6,7,8,...	220	C15H24O	017408-66-1	30
4	1,4-Benzenediamine, N,N'-bis(1-m...	192	C12H20N2	004251-01-8	27
5	2-Acetyl-3,4,5,6-tetrafluorobenz...	220	C9H4F4O2	1000461-12-2	25





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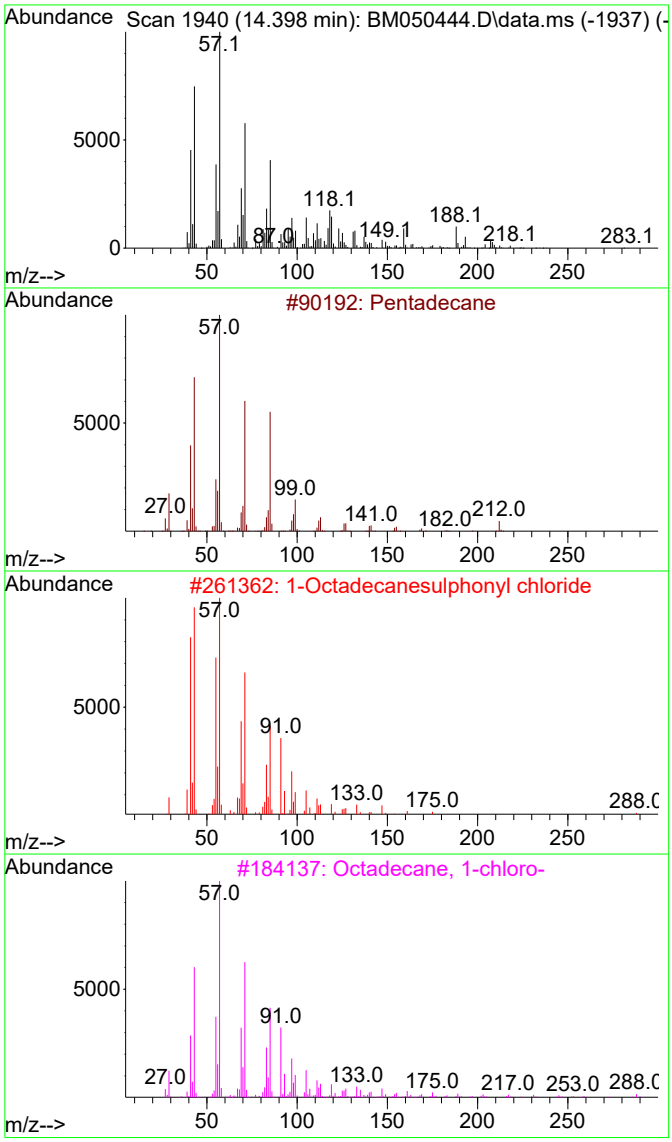
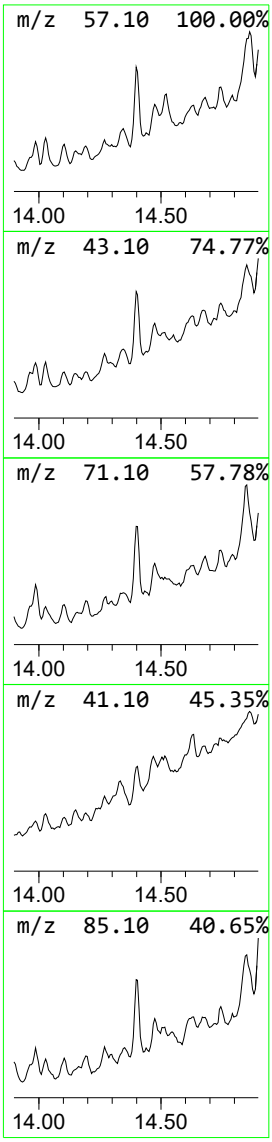
****

Peak Number 7 Pentadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.398	5.11 ng	3276810	Acenaphthene-d10	14.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	87
2	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	64
3	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	52
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1010309-12-5	49
5	Carbonic acid, tridecyl vinyl ester	270	C16H30O3	1000382-54-7	49





Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	3.040	10.2	ng	1320850	1	7.863	2600120	20.0
3-Penten-2-one,...	4.375	12.6	ng	1643250	1	7.863	2600120	20.0
2-Pentanone, 4-...	4.975	28.9	ng	3755040	1	7.863	2600120	20.0
Benzene, 1-cycl...	13.769	2.0	ng	1291680	3	14.486	12833400	20.0
unknown13.857	13.857	2.1	ng	1353660	3	14.486	12833400	20.0
2,5-Cyclohexadi...	14.151	3.0	ng	1900260	3	14.486	12833400	20.0
Pentadecane	14.398	5.1	ng	3276810	3	14.486	12833400	20.0