LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022825\
Data File : BM049682.D
Acq On : 28 Feb 2025 17:15
Operator : RC/JU
Sample : Q1458-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SP-SOIL

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-BM020525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049682.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.387	402	408	416	rBV	4977093	7200928	48.33%	7.506%
2	6.981	670	679	692	rBV	4950764	7468162	50.12%	7.785%
3	7.804	812	819	825	rBV	1169779	1776317	11.92%	1.852%
4	8.957	1000	1015	1023	rBV	2898234	4591159	30.81%	4.786%
5	10.598	1286	1294	1300	rBV	1411276	2280604	15.31%	2.377%
6	13.069	1706	1714	1721	rBV	7259119	10407913	69.85%	10.849%
7	14.163	1895	1900	1912	rVB2	79549	152966	1.03%	0.159%
8	14.445	1938	1948	1954	rBV	2056837	3016297	20.24%	3.144%
9	15.798	2171	2178	2186	rVB	1745035	2351051	15.78%	2.451%
10	15.927	2194	2200	2208	rBV	6457233	8763681	58.82%	9.135%
11	16.368	2269	2275	2279	rBV2	297532	479551	3.22%	0.500%
12	16.415	2279	2283	2288	rVV	449517	728907	4.89%	0.760%
13	16.462	2288	2291	2301	rVB	289129	514370	3.45%	0.536%
14	16.598	2309	2314	2320	rBV	119486	188554	1.27%	0.197%
15	17.186	2407	2414	2417	rBV2	2367979	3360794	22.56%	3.503%
16	17.221	2417	2420	2426	rVB	796526	1113436	7.47%	1.161%
17	17.315	2432	2436	2441	rVB	213651	295867	1.99%	0.308%
18	18.062	2557	2563	2564	rBV	172424	255325	1.71%	0.266%
19	18.092	2564	2568	2576	rVB2	1888826	2695164	18.09%	2.809%
20	18.251	2590	2595	2599	rBV2	233412	433064	2.91%	0.451%
21	18.286	2599	2601	2607	rVB	139944	196391	1.32%	0.205%
22	18.980	2715	2719	2722	rVB	127735	172594	1.16%	0.180%
23	19.115	2738	2742	2749	rBV2	100492	177777	1.19%	0.185%
24	19.239	2758	2763	2770	rBV	2170103	3261767	21.89%	3.400%
25	19.368	2781	2785	2793	rBV2	916926	1301253	8.73%	1.356%
26	19.603	2816	2825	2834	rBV	2190178	3316116	22.26%	3.457%
27	19.809	2852	2860	2865	rBV	13710809	14900109	100.00%	15.531%
28	20.098	2907	2909	2913	rVB2	252604	259357	1.74%	0.270%
29	21.103	3077	3080	3086	rVB2	532005	734778	4.93%	0.766%
30	21.421	3126	3134	3138	rBV2	3165087	5620362	37.72%	5.858%
31	21.462	3138	3141	3151	rVB	823931	1297001	8.70%	1.352%
32	23.039	3405	3409	3415	rBV	313984	507359	3.41%	0.529%
33	23.486	3480	3485	3492	rBV	435007	1051933	7.06%	1.096%
34	24.291	3617	3622	3632	rVB	484400	1092930	7.34%	1.139%
35	24.438	3639	3647	3654	rBV	1662891	3972062	26.66%	4.140%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022825\
Data File : BM049682.D
Acq On : 28 Feb 2025 17:15
Operator : RC/JU
Sample : Q1458-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SP-SOIL

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-BM020525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

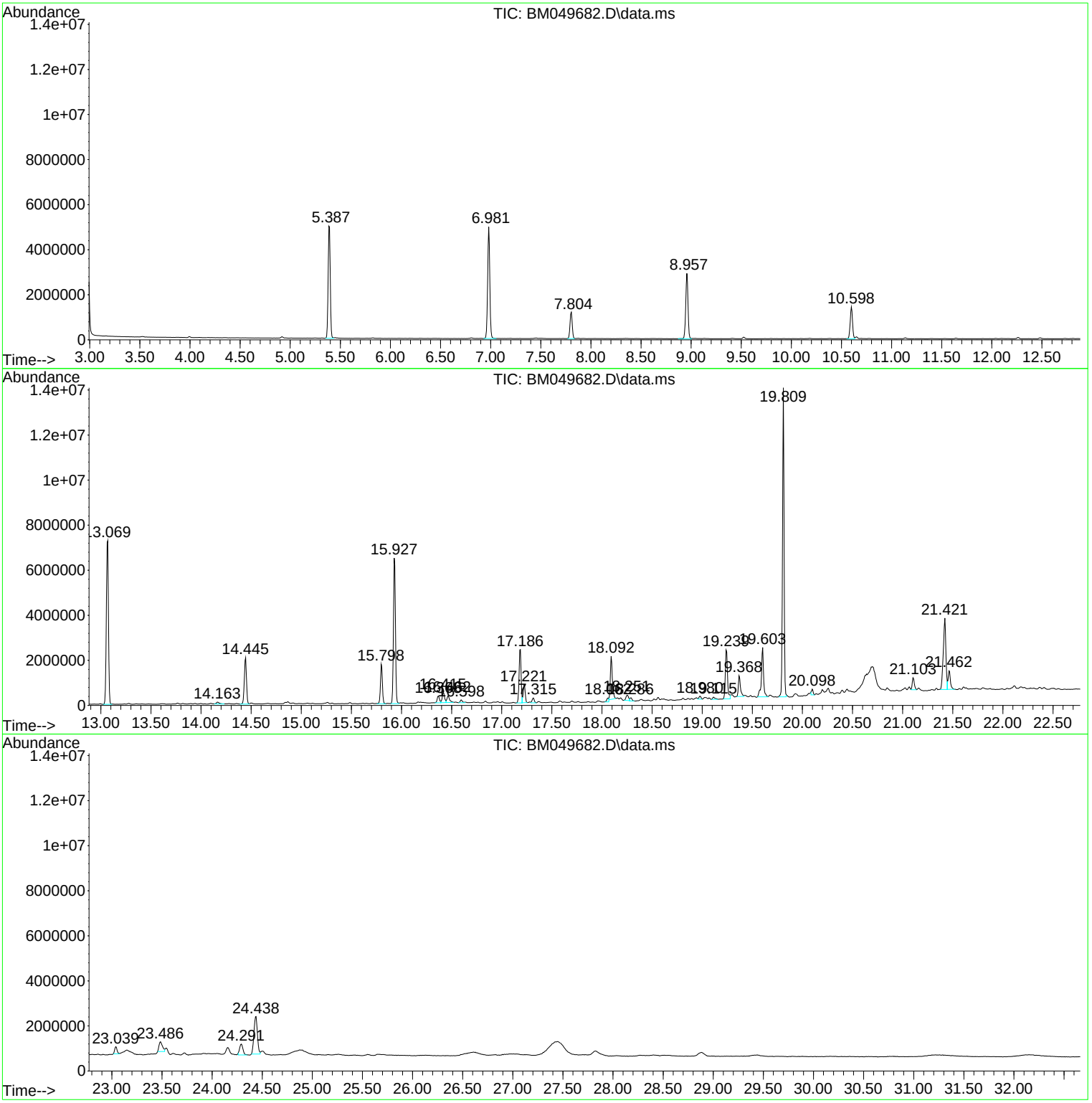
Sum of corrected areas: 95935899

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022825\
Data File : BM049682.D
Acq On : 28 Feb 2025 17:15
Operator : RC/JU
Sample : Q1458-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022825\
Data File : BM049682.D
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Operator : RC/JU
Sample : Q1458-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

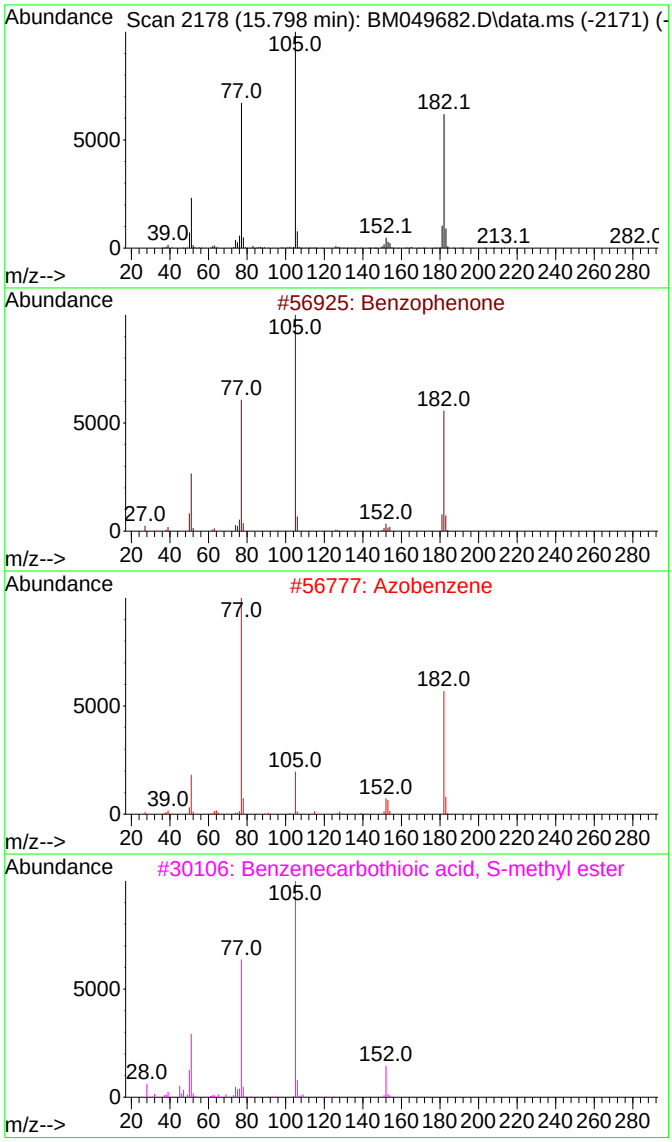
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

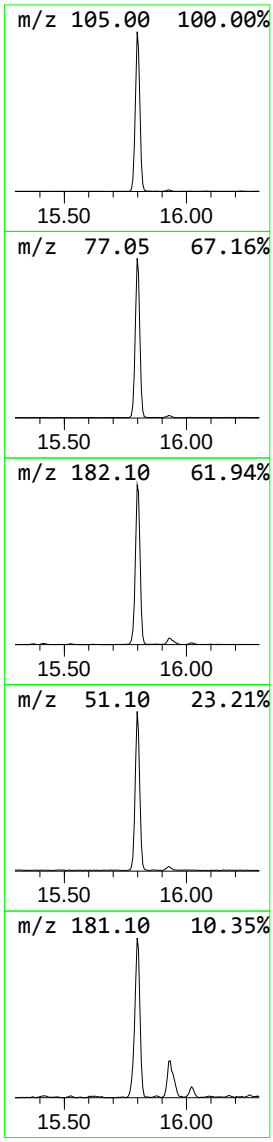
****

Peak Number 1 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.798	15.59 ng	2351050	Acenaphthene-d10	14.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	47
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	47
4	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	43
5	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022825\
Data File : BM049682.D
Acq On : 28 Feb 2025 17:15
Operator : RC/JU
Sample : Q1458-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SP-SOIL

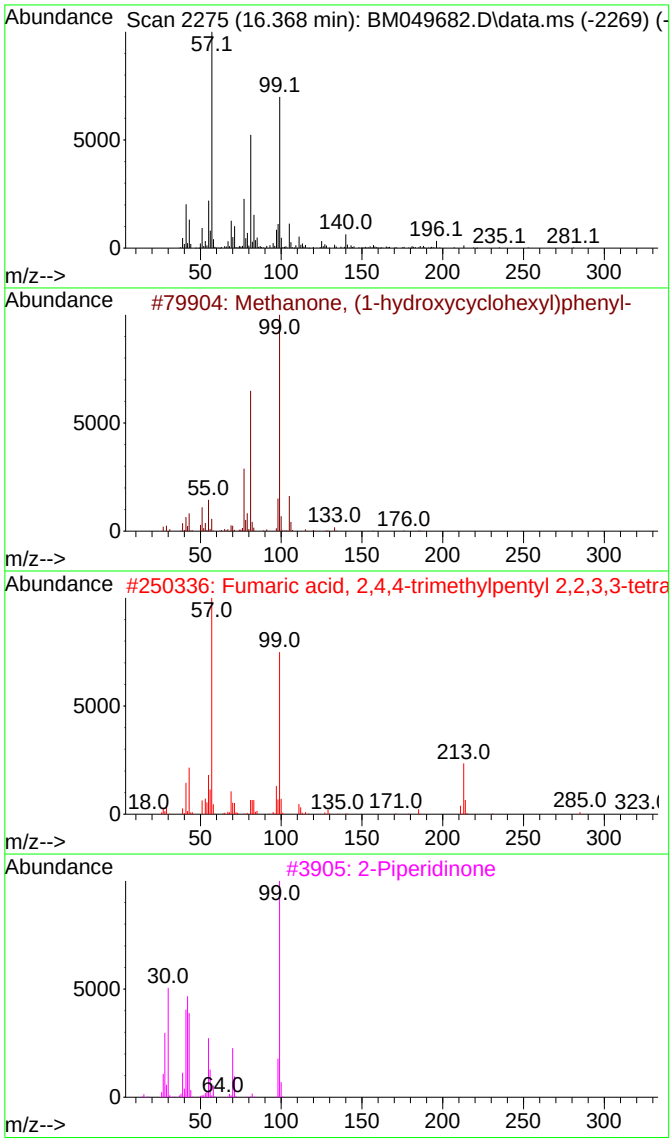
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

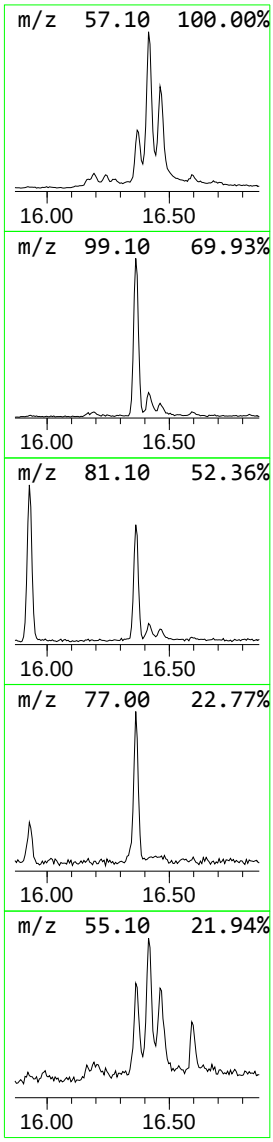
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Methanone, (1-hydroxycycloh... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.368	2.85 ng	479551	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	64
2	Fumaric acid, 2,4,4-trimethylpen...	342	C15H22F4O4	1000405-59-8	47
3	2-Piperidinone	99	C5H9NO	000675-20-7	38
4	Octahydroazocine, 3-bromo-2-oxo-	205	C7H12BrNO	032566-61-3	35
5	6,6-Ethylenedioxybicyclo[3.3.1]n...	196	C11H16O3	029927-56-8	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022825\
Data File : BM049682.D
Acq On : 28 Feb 2025 17:15
Operator : RC/JU
Sample : Q1458-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SP-SOIL

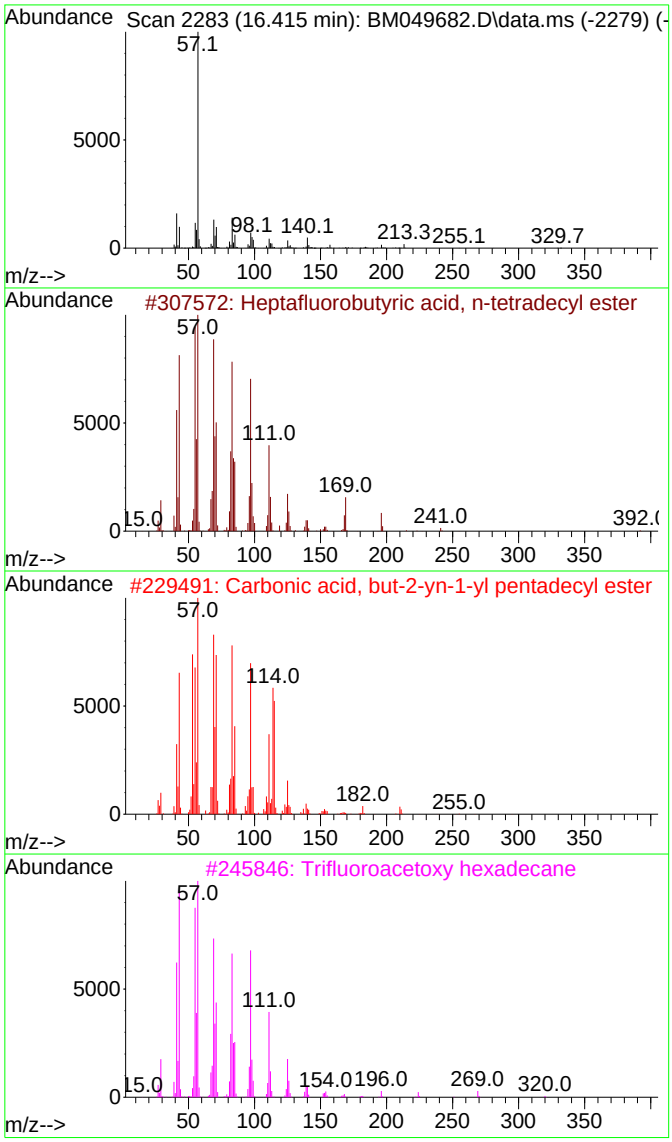
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

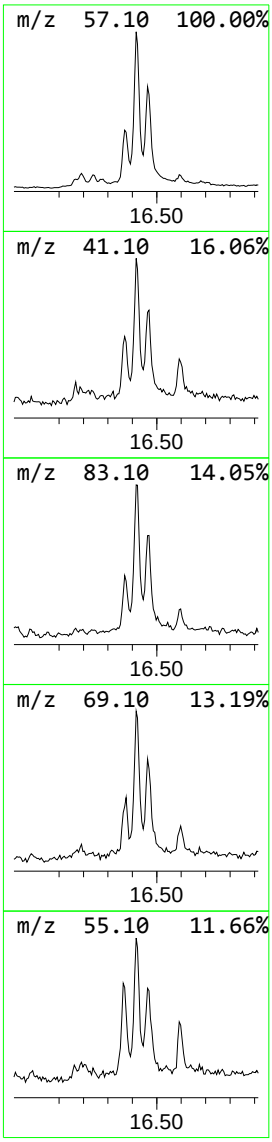
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Heptafluorobutyric acid, n-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.415	4.34 ng	728907	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	50
2	Carbonic acid, but-2-yn-1-yl pen...	324	C20H36O3	1010383-21-0	47
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	47
4	Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	47
5	17-Pentatriacontene	491	C35H70	006971-40-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022825\
Data File : BM049682.D
Acq On : 28 Feb 2025 17:15
Operator : RC/JU
Sample : Q1458-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SP-SOIL

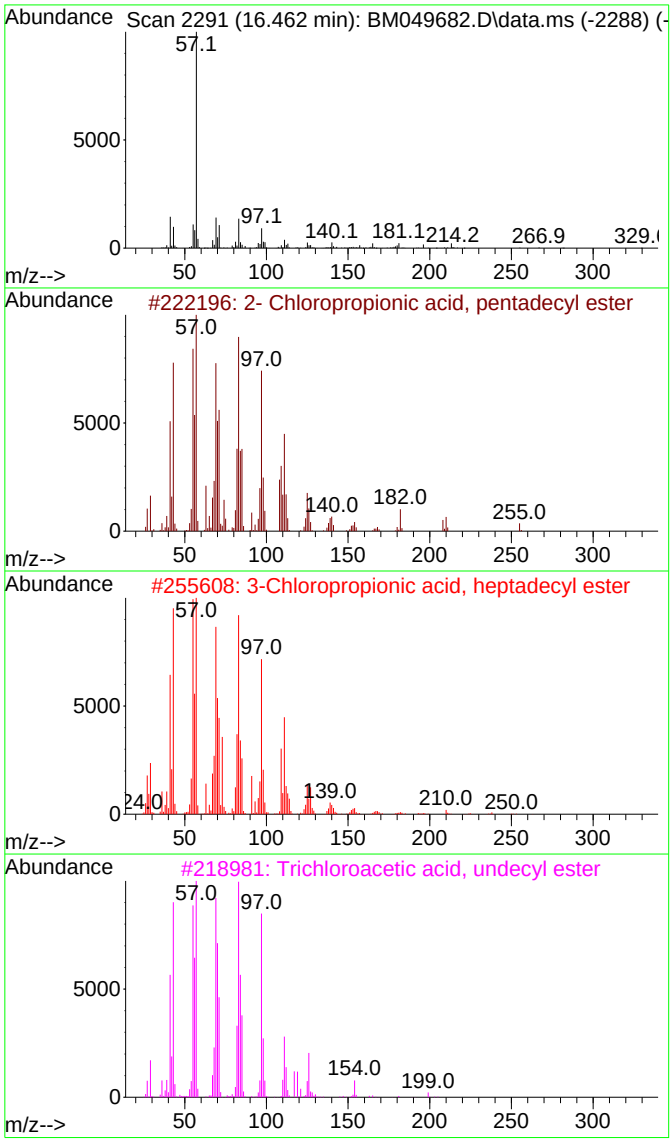
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

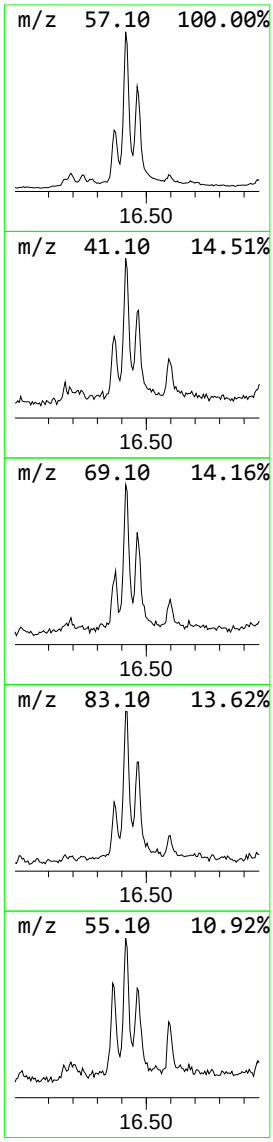
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2- Chloropropionic acid, pe... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.462	3.06 ng	514370	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2- Chloropropionic acid, pentade...	318	C18H35ClO2	1000292-44-1	58
2	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	58
3	Trichloroacetic acid, undecyl ester	316	C13H23Cl3O2	074339-49-4	53
4	Pentadecafluorooctanoic acid, te...	610	C22H29F15O2	1000406-04-4	53
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	50





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Data File : BM049682.D
Acq On : 28 Feb 2025 17:15
Operator : RC/JU
Sample : Q1458-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

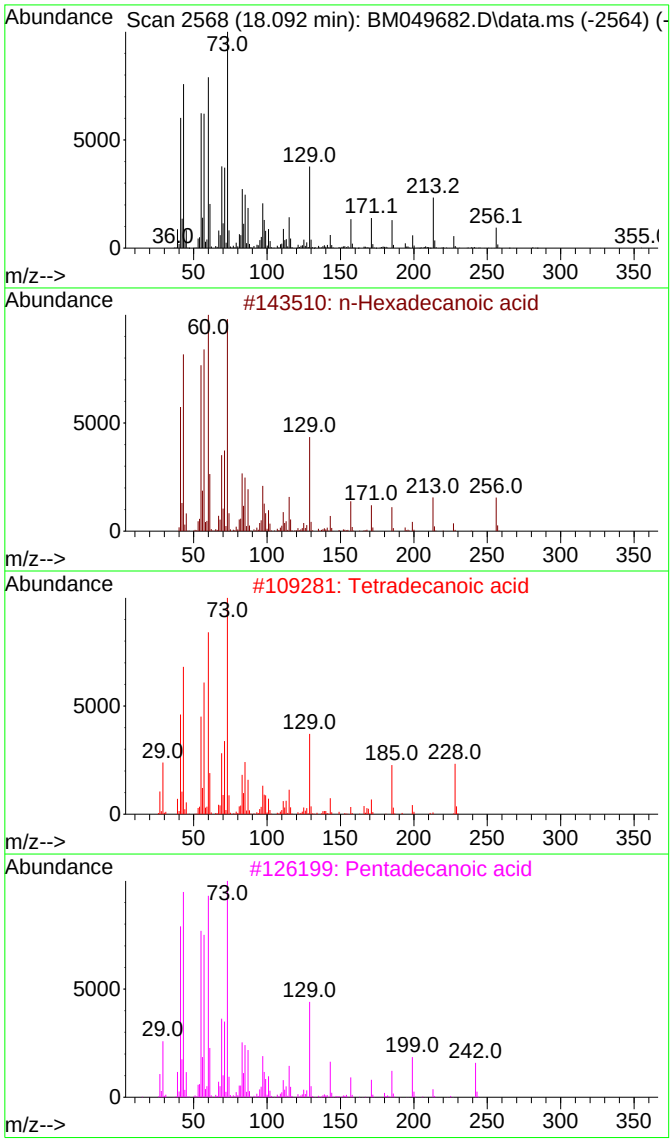
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

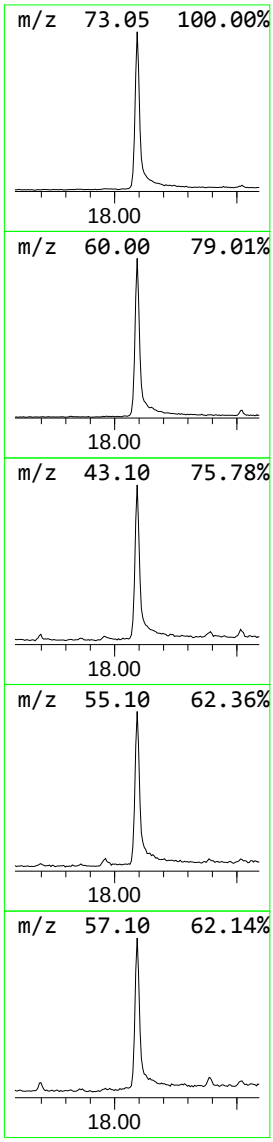
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.092	16.04 ng	2695160	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tridecanoic acid	214	C13H26O2	000638-53-9	90
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





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Data File : BM049682.D
Acq On : 28 Feb 2025 17:15
Operator : RC/JU
Sample : Q1458-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
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SP-SOIL

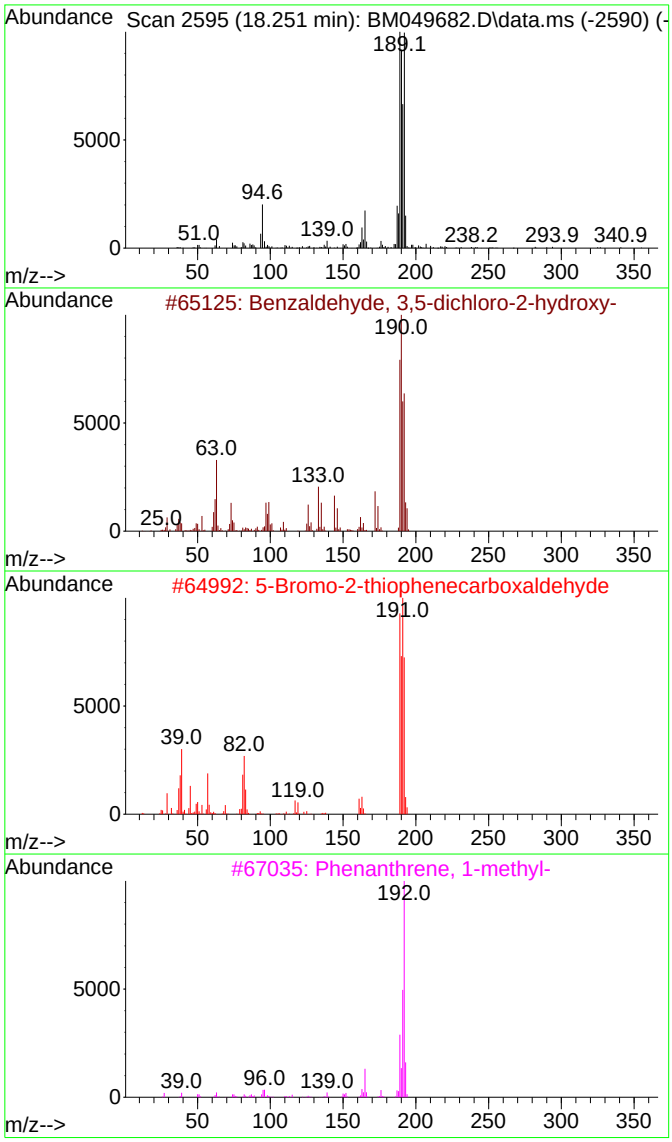
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

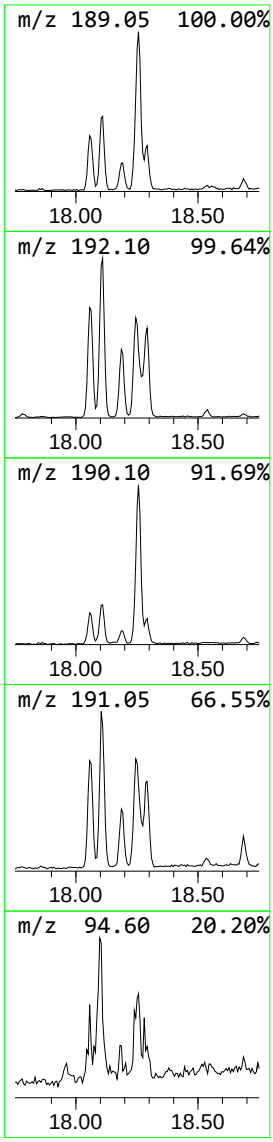
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.251	2.58 ng	433064	Phenanthrene-d10	17.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	53
2	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	53
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022825\
Data File : BM049682.D
Acq On : 28 Feb 2025 17:15
Operator : RC/JU
Sample : Q1458-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

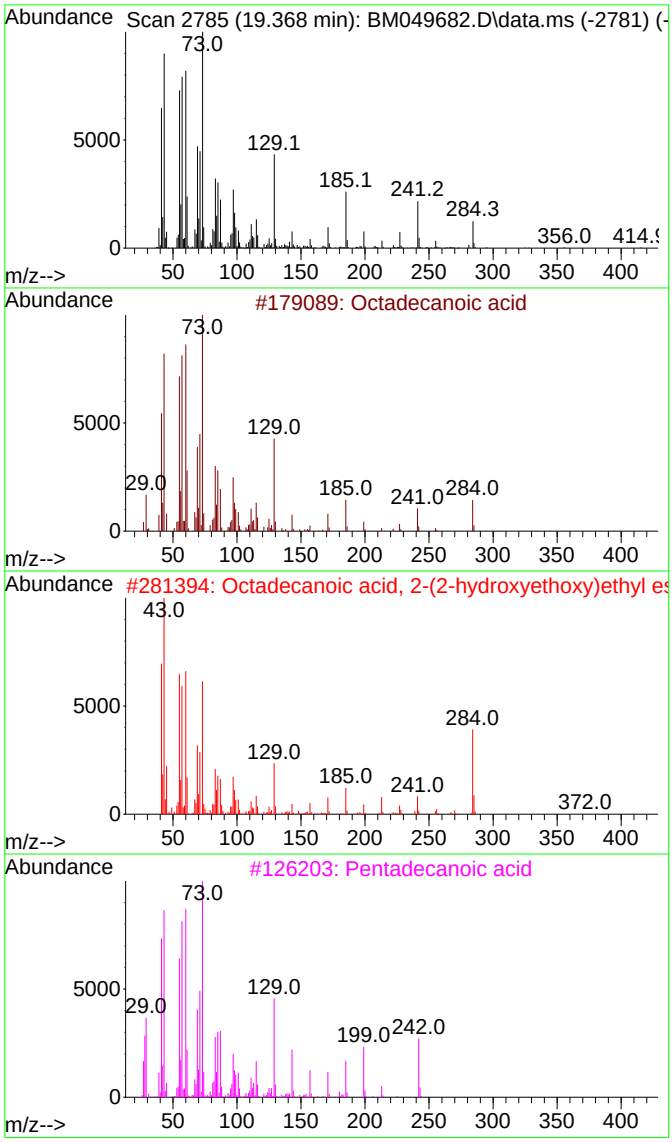
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

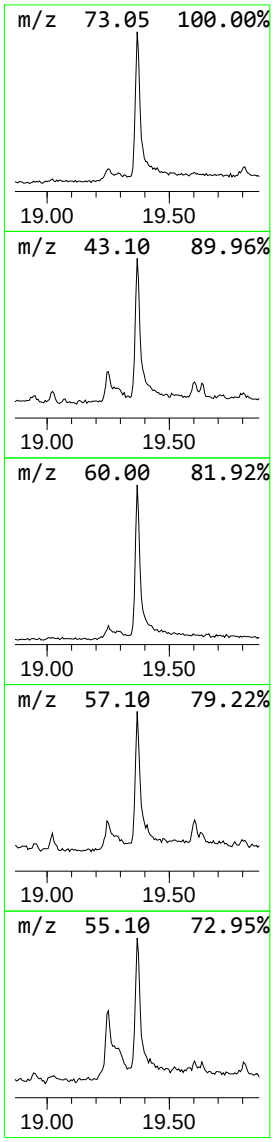
****

Peak Number 7 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.368	4.63 ng	1301250	Chrysene-d12	21.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80





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BNA_M
ClientSampleId :
SP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

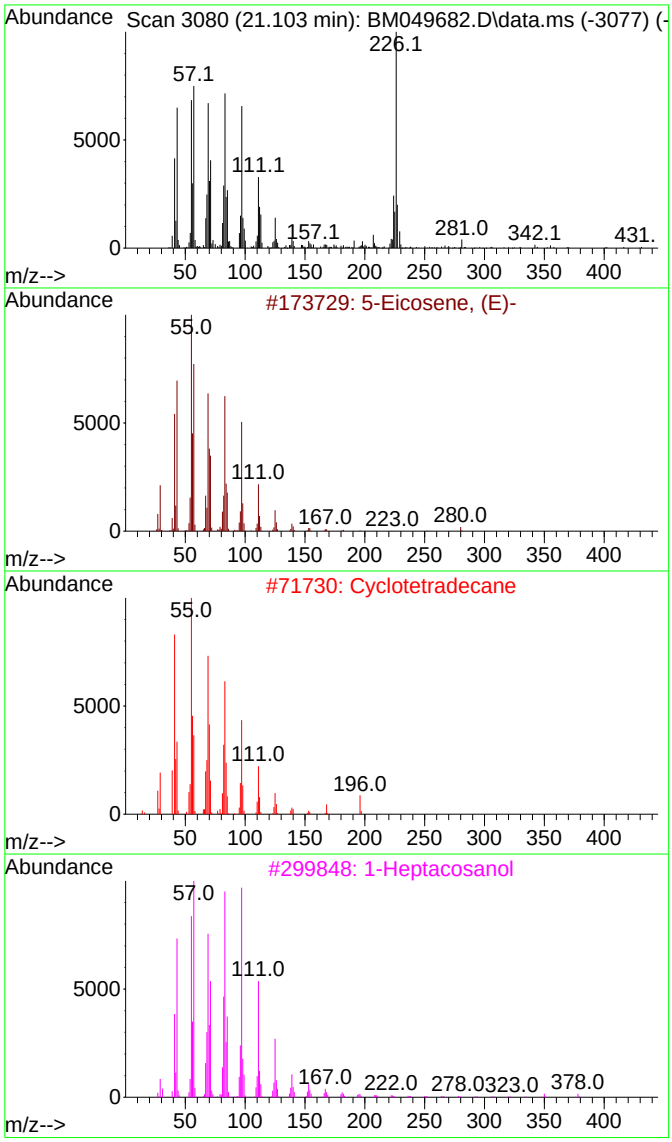
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

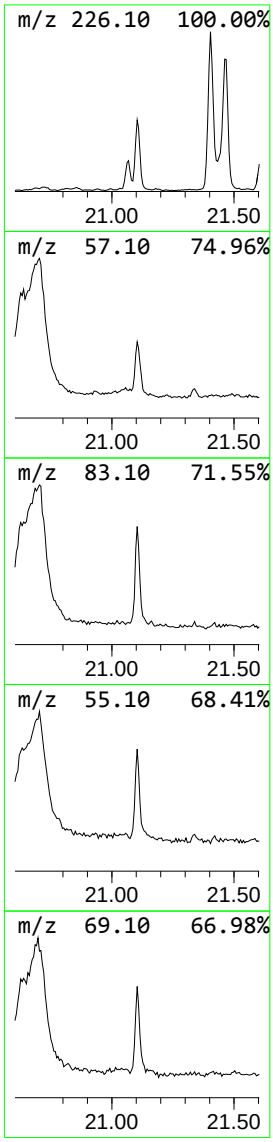
****

Peak Number 8 5-Eicosene, (E)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.103	2.61 ng	734778	Chrysene-d12	21.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	89
2	Cyclotetradecane	196	C14H28	000295-17-0	70
3	1-Heptacosanol	396	C27H56O	002004-39-9	70
4	Cyclopentadecane	210	C15H30	000295-48-7	59
5	1-Docosene	308	C22H44	001599-67-3	55





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Data File : BM049682.D
Acq On : 28 Feb 2025 17:15
Operator : RC/JU
Sample : Q1458-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

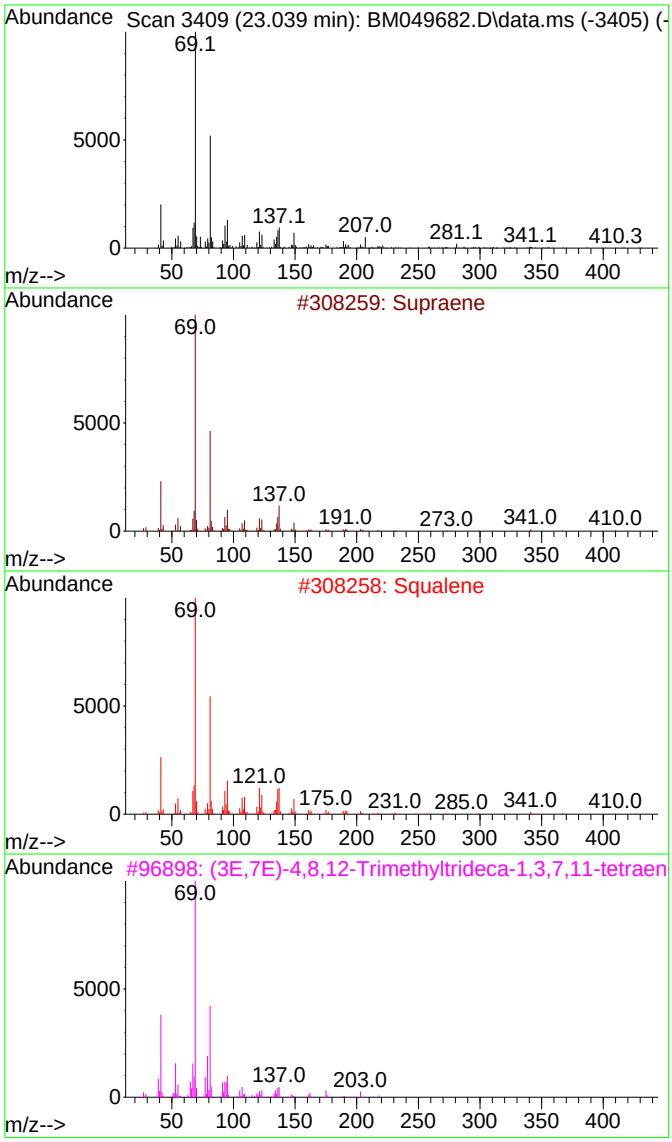
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

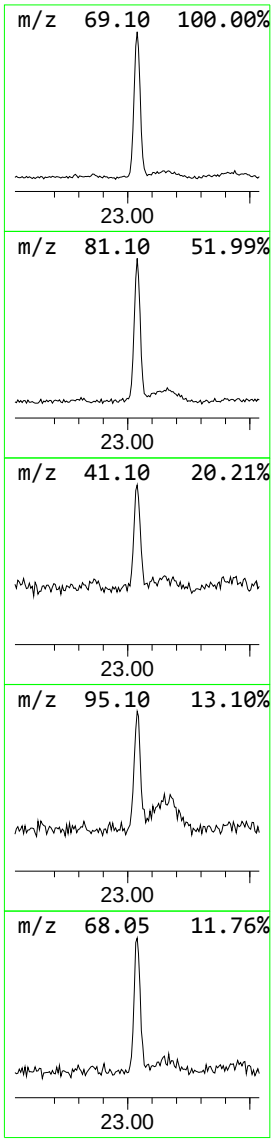
****

Peak Number 9 Supraene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.038	2.55 ng	507359	Perylene-d12	24.438

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	98
2	Squalene	410	C30H50	000111-02-4	93
3	(3E,7E)-4,8,12-Trimethyltrideca-...	218	C16H26	062235-06-7	74
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	64
5	Trideca-1,3,7,11-tetraene-1,1-di...	268	C18H24N2	1000159-88-9	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022825\
Data File : BM049682.D
Acq On : 28 Feb 2025 17:15
Operator : RC/JU
Sample : Q1458-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SP-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	15.798	15.6	ng	2351050	3	14.445	3016300	20.0
Methanone, (1-h...	16.368	2.9	ng	479551	4	17.186	3360790	20.0
Heptafluorobuty...	16.415	4.3	ng	728907	4	17.186	3360790	20.0
2- Chloropropio...	16.462	3.1	ng	514370	4	17.186	3360790	20.0
n-Hexadecanoic ...	18.092	16.0	ng	2695160	4	17.186	3360790	20.0
Benzaldehyde, 3...	18.251	2.6	ng	433064	4	17.186	3360790	20.0
Octadecanoic acid	19.368	4.6	ng	1301250	5	21.421	5620360	20.0
5-Eicosene, (E)-	21.103	2.6	ng	734778	5	21.421	5620360	20.0
Supraene	23.038	2.5	ng	507359	6	24.438	3972060	20.0