LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
Data File : BM038784.D
Acq On : 17 Feb 2023 21:09
Operator : CG/JU
Sample : 01552-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

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-BM020123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM038784.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.963	294	302	311	rBV	199100	275858	8.36%	1.485%
2	5.440	377	383	397	rVB	620076	910126	27.60%	4.900%
3	7.063	652	659	670	rBV	653305	994311	30.15%	5.353%
4	7.881	792	798	805	rBV	193900	291354	8.83%	1.569%
5	9.063	991	999	1009	rBV	406504	647580	19.64%	3.487%
6	10.698	1270	1277	1283	rBV	260908	420958	12.76%	2.266%
7	13.157	1689	1695	1702	rBV	1321556	1892872	57.40%	10.191%
8	14.257	1877	1882	1889	rBV	24835	39456	1.20%	0.212%
9	14.539	1923	1930	1937	rBV	452650	645939	19.59%	3.478%
10	14.598	1937	1940	1946	rVB	22948	33496	1.02%	0.180%
11	15.798	2139	2144	2150	rVB	43247	60764	1.84%	0.327%
12	15.898	2154	2161	2172	rVB2	37019	70058	2.12%	0.377%
13	16.033	2177	2184	2190	rBV	1453826	1875027	56.85%	10.095%
14	17.104	2363	2366	2374	rVB	21713	33560	1.02%	0.181%
15	17.286	2391	2397	2401	rBV	630908	823761	24.98%	4.435%
16	17.327	2401	2404	2411	rVV	287586	375034	11.37%	2.019%
17	17.415	2414	2419	2424	rVB	72090	113225	3.43%	0.610%
18	17.698	2462	2467	2474	rVB	29737	49190	1.49%	0.265%
19	17.868	2492	2496	2504	rVB2	20362	33490	1.02%	0.180%
20	18.174	2542	2548	2551	rBV2	233213	351618	10.66%	1.893%
21	18.209	2551	2554	2559	rVB	74179	104268	3.16%	0.561%
22	18.292	2564	2568	2573	rVB	33805	46970	1.42%	0.253%
23	18.357	2573	2579	2583	rBV2	88189	166301	5.04%	0.895%
24	18.392	2583	2585	2591	rVB	44023	56080	1.70%	0.302%
25	18.662	2627	2631	2635	rBV	36280	49072	1.49%	0.264%
26	18.715	2636	2640	2648	rVB3	40650	60952	1.85%	0.328%
27	19.086	2698	2703	2706	rBV2	67065	112641	3.42%	0.606%
28	19.345	2742	2747	2754	rVB	620807	779277	23.63%	4.196%
29	19.451	2761	2765	2768	rBV3	72887	94230	2.86%	0.507%
30	19.674	2799	2803	2805	rBV3	132558	195332	5.92%	1.052%
31	19.709	2805	2809	2816	rVB	548372	756676	22.94%	4.074%
32	19.909	2838	2843	2848	rBV	3099906	3297915	100.00%	17.756%
33	20.203	2890	2893	2896	rVB	157280	175081	5.31%	0.943%
34	20.303	2907	2910	2913	rVB	66592	80667	2.45%	0.434%
35	20.698	2974	2977	2980	rBV	123275	127551	3.87%	0.687%
36	21.162	3053	3056	3060	rBV2	347070	387684	11.76%	2.087%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
Data File : BM038784.D
Acq On : 17 Feb 2023 21:09
Operator : CG/JU
Sample : 01552-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

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-BM020123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	21.468	3103	3108	3112	rBV2	819501	1428081	43.30%	7.689%
38	21.603	3128	3131	3133	rBV2	167175	171620	5.20%	0.924%
39	23.868	3512	3516	3521	rVB2	325630	545418	16.54%	2.937%

Sum of corrected areas: 18573493

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
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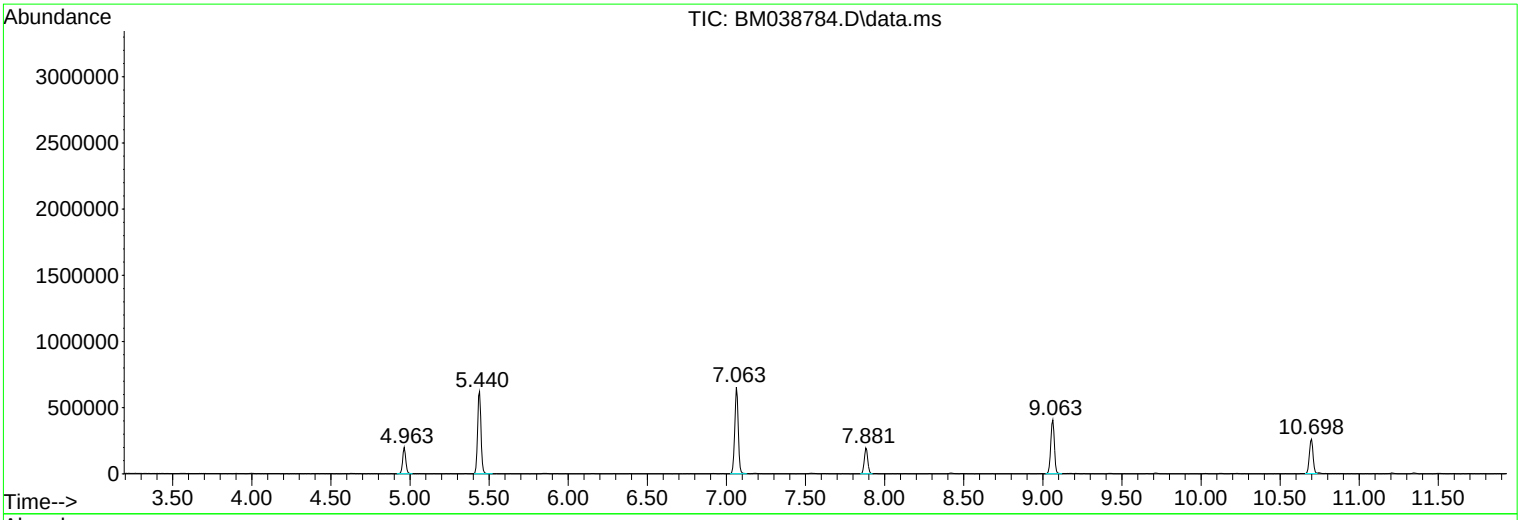
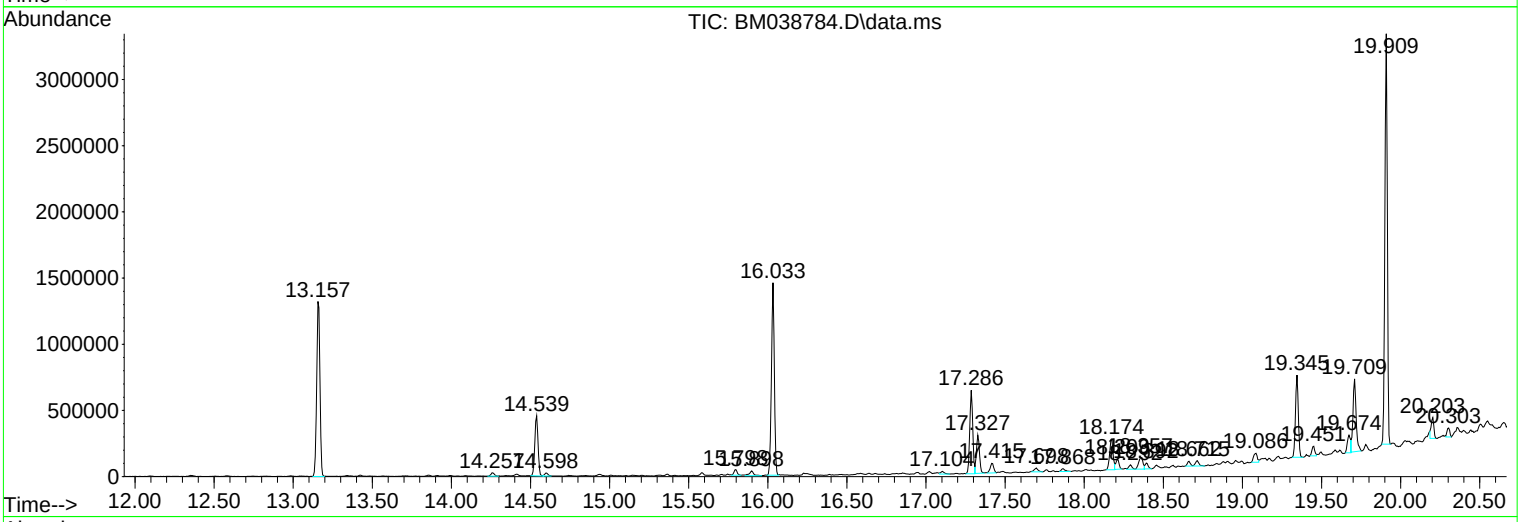
Sample : 01552-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

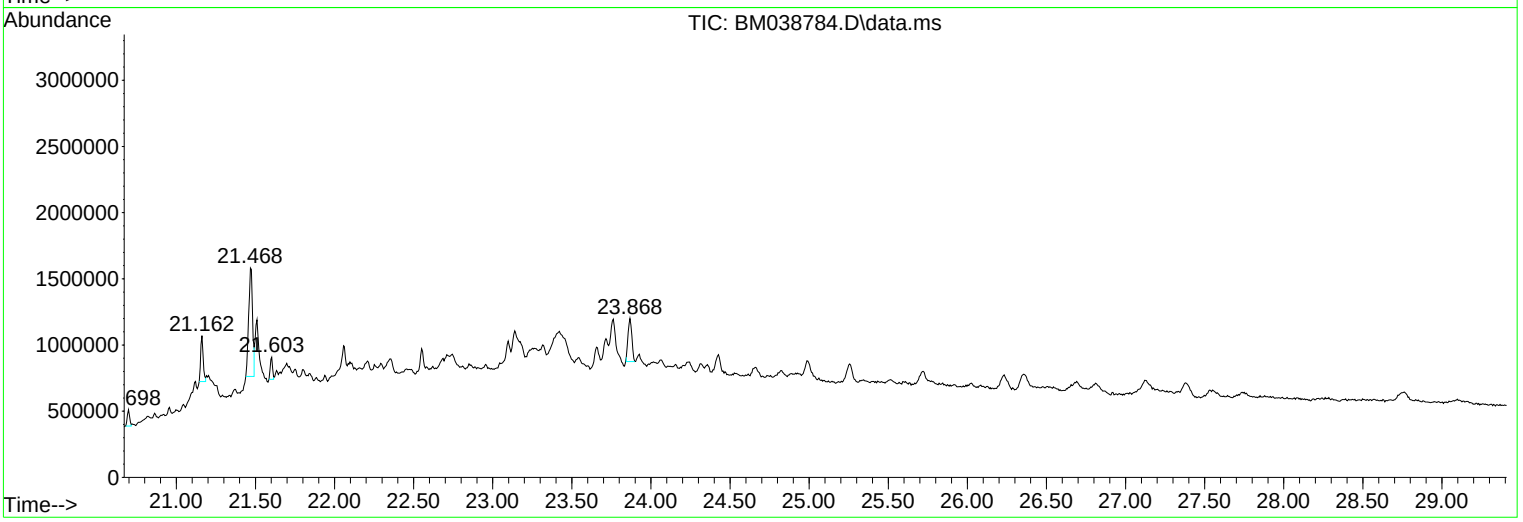
Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.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\BM021723\
Data File : BM038784.D
Acq On : 17 Feb 2023 21:09
Operator : CG/JU
Sample : 01552-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

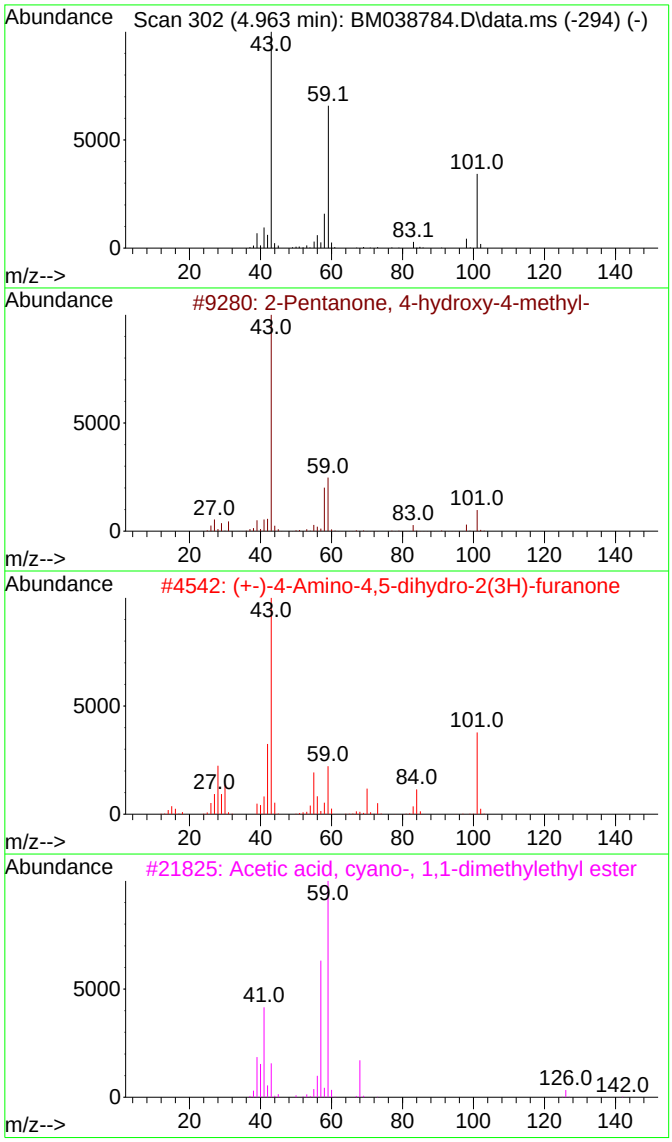
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

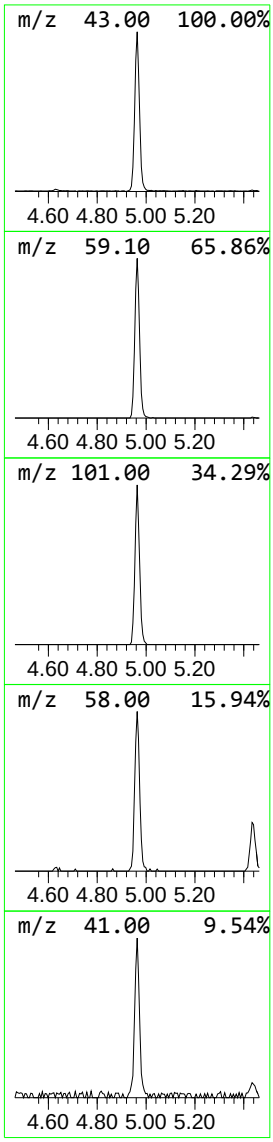
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.963	18.94 ng	275858	1,4-Dichlorobenzene-d4	7.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	43
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Data File : BM038784.D
Acq On : 17 Feb 2023 21:09
Operator : CG/JU
Sample : 01552-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

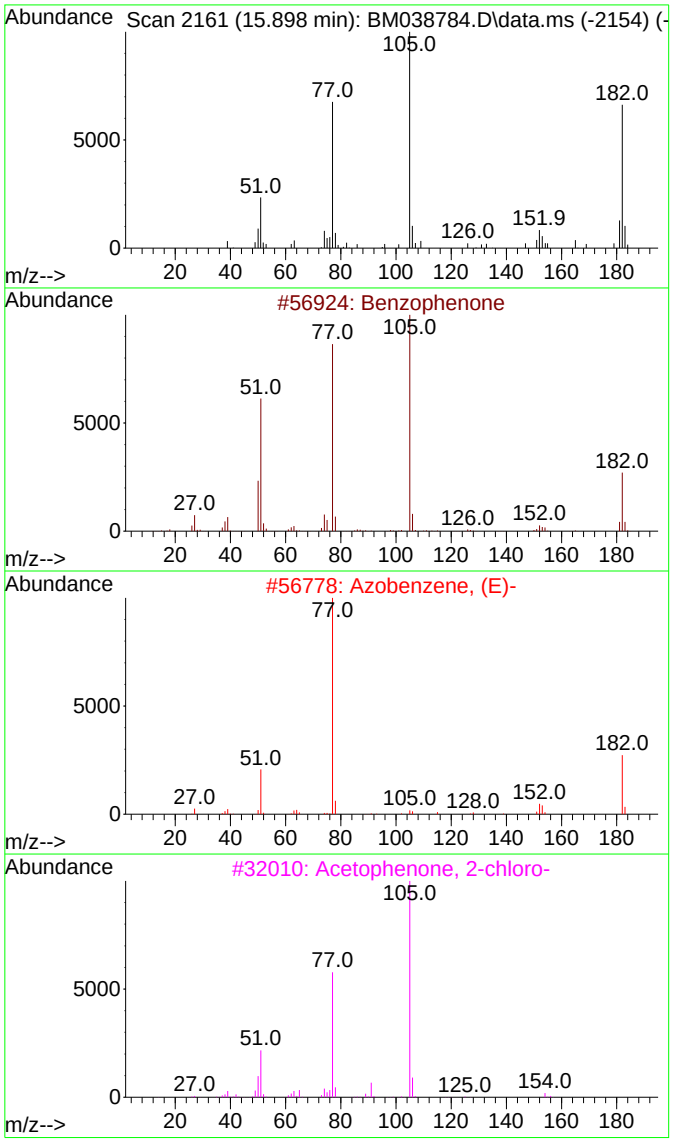
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

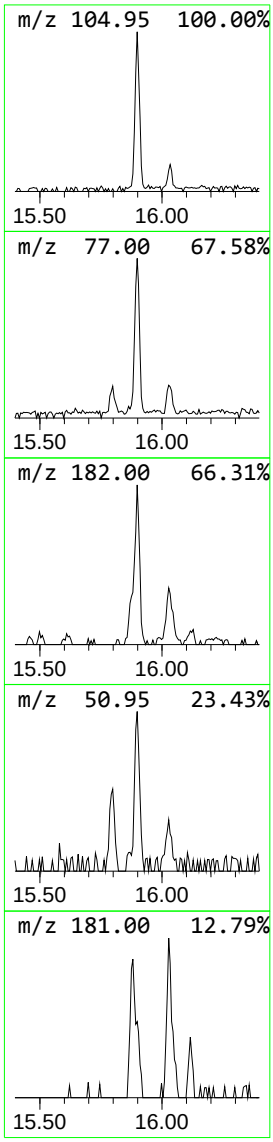
****

Peak Number 2 Benzophenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.898	2.17 ng	70058	Acenaphthene-d10	14.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	91
2	Azobenzene, (E)-	182	C12H10N2	017082-12-1	50
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	46
5	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
Data File : BM038784.D
Acq On : 17 Feb 2023 21:09
Operator : CG/JU
Sample : 01552-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

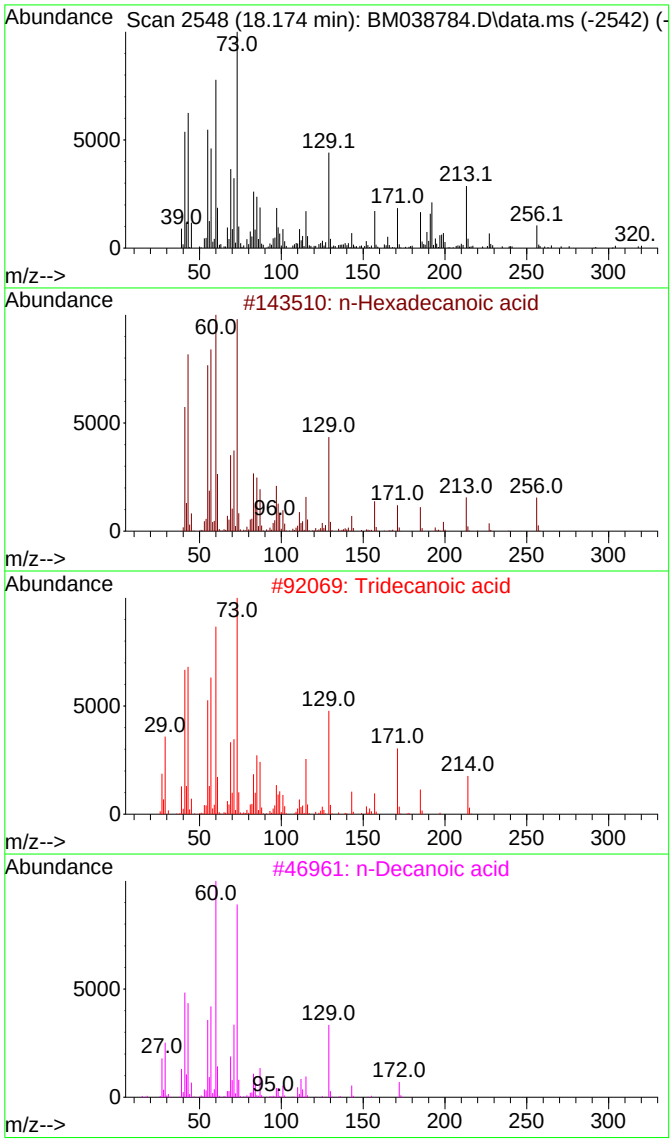
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

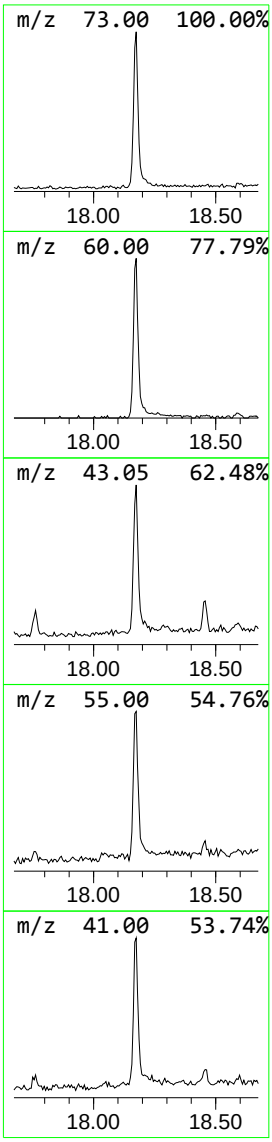
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.174	8.54 ng	351618	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	n-Decanoic acid	172	C10H20O2	000334-48-5	60
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Undecanoic acid	186	C11H22O2	000112-37-8	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
Data File : BM038784.D
Acq On : 17 Feb 2023 21:09
Operator : CG/JU
Sample : 01552-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

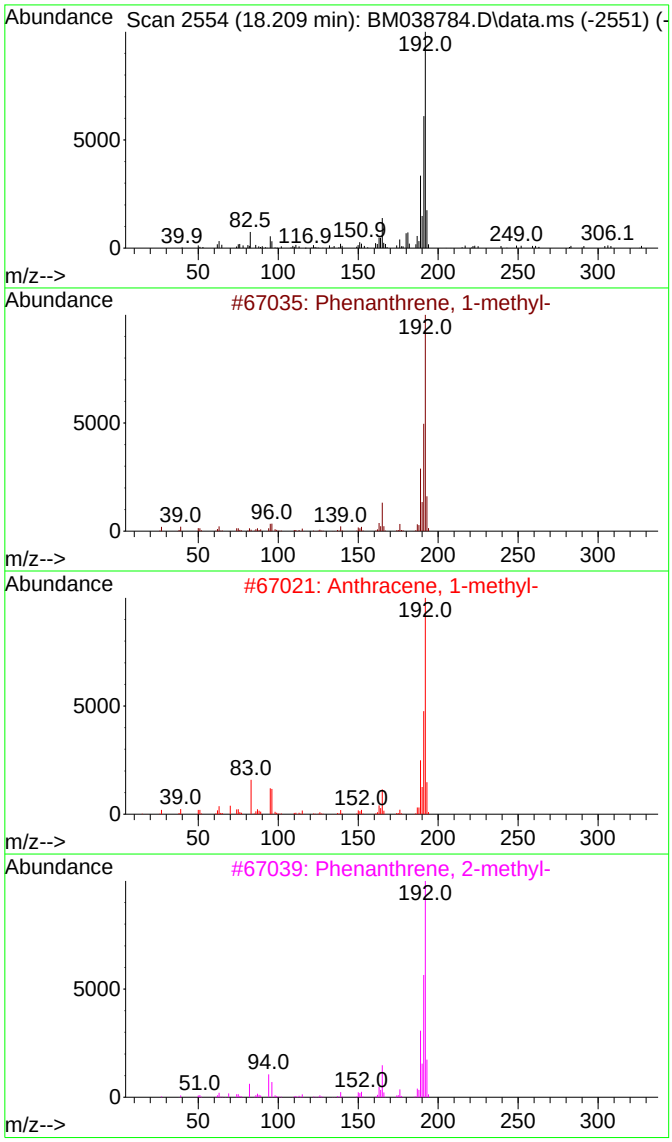
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

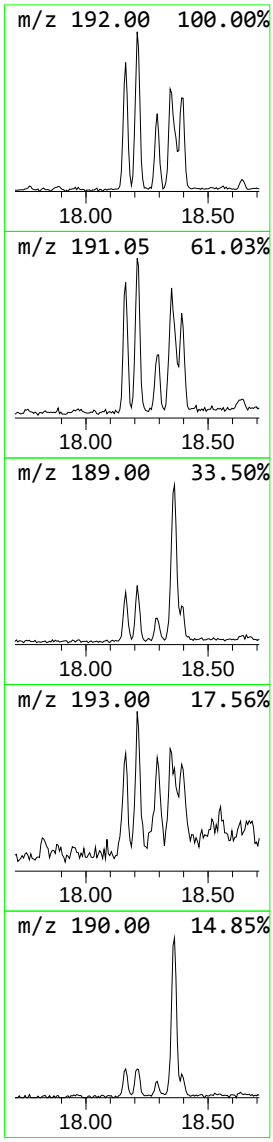
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.209	2.53 ng	104268	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
Data File : BM038784.D
Acq On : 17 Feb 2023 21:09
Operator : CG/JU
Sample : 01552-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

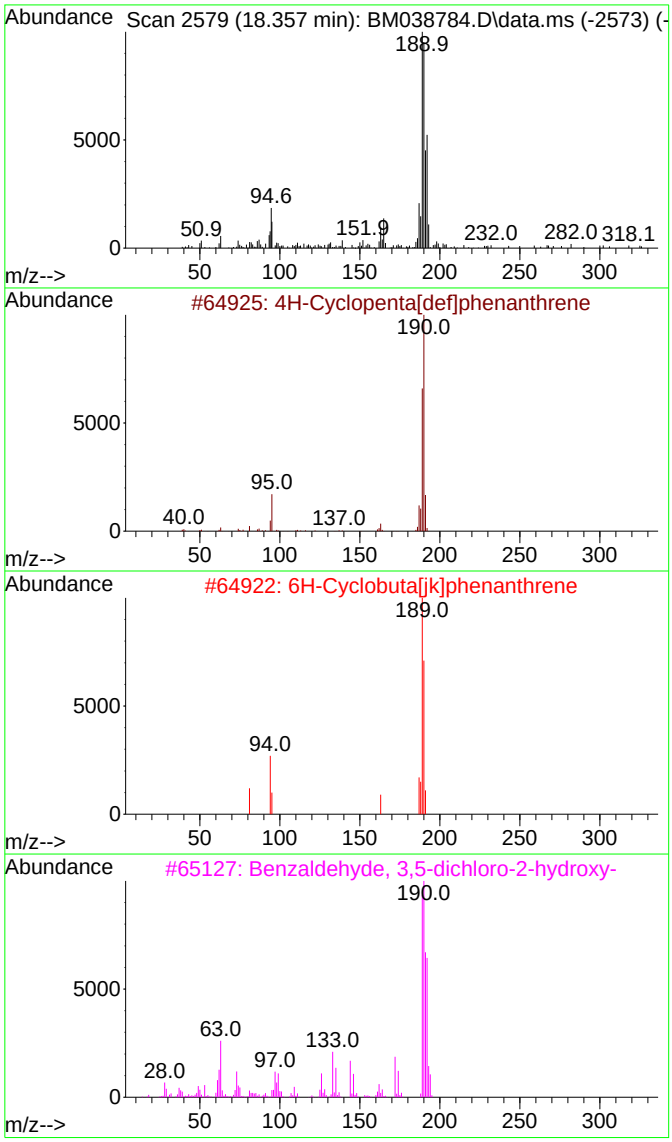
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

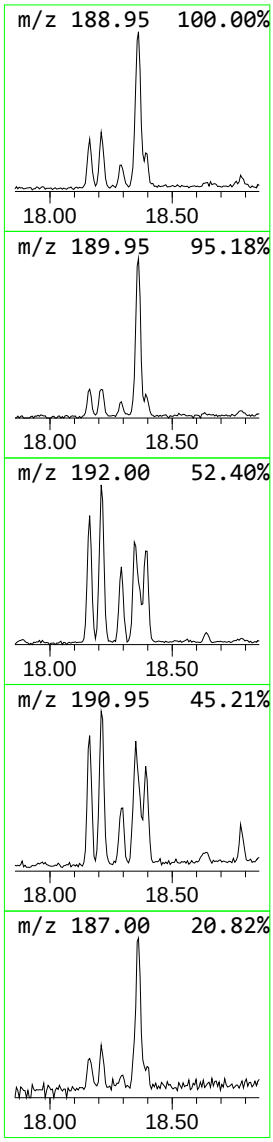
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.357	4.04 ng	166301	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	62
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25





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Data File : BM038784.D
Acq On : 17 Feb 2023 21:09
Operator : CG/JU
Sample : 01552-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

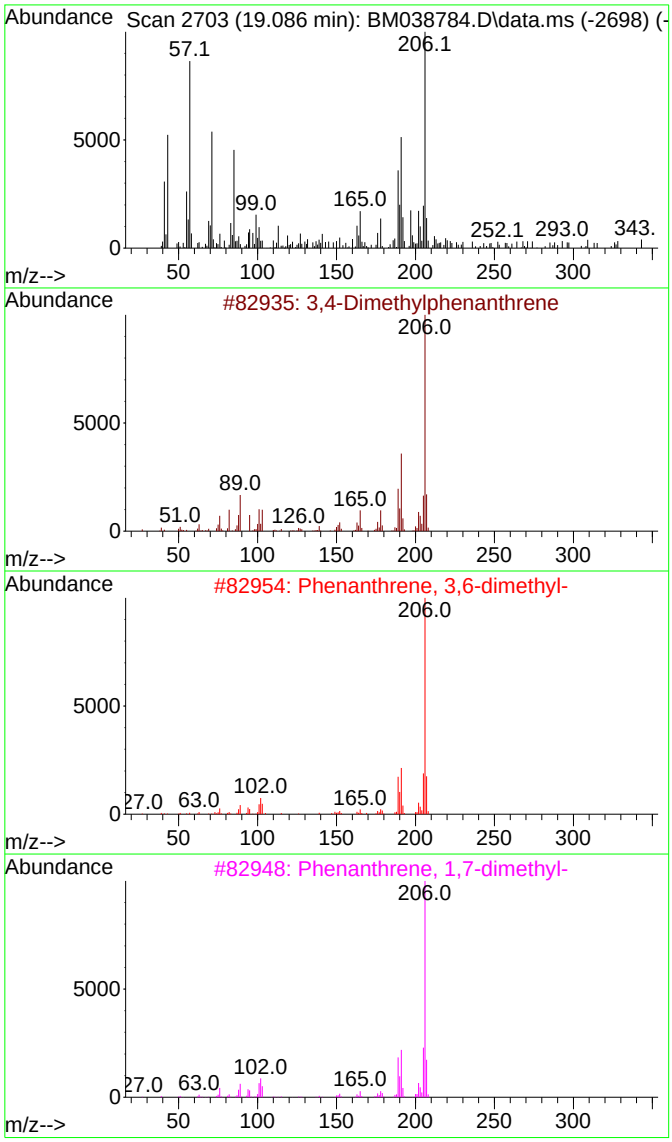
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

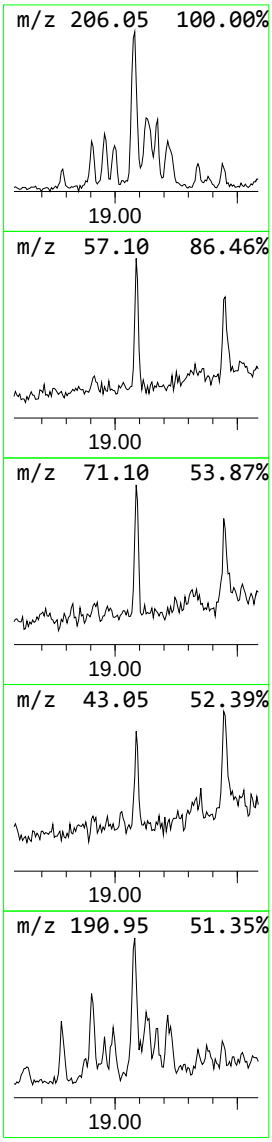
****

Peak Number 6 3,4-Dimethylphenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.086	2.73 ng	112641	Phenanthrene-d10	17.286

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	83
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	62





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SB-02-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

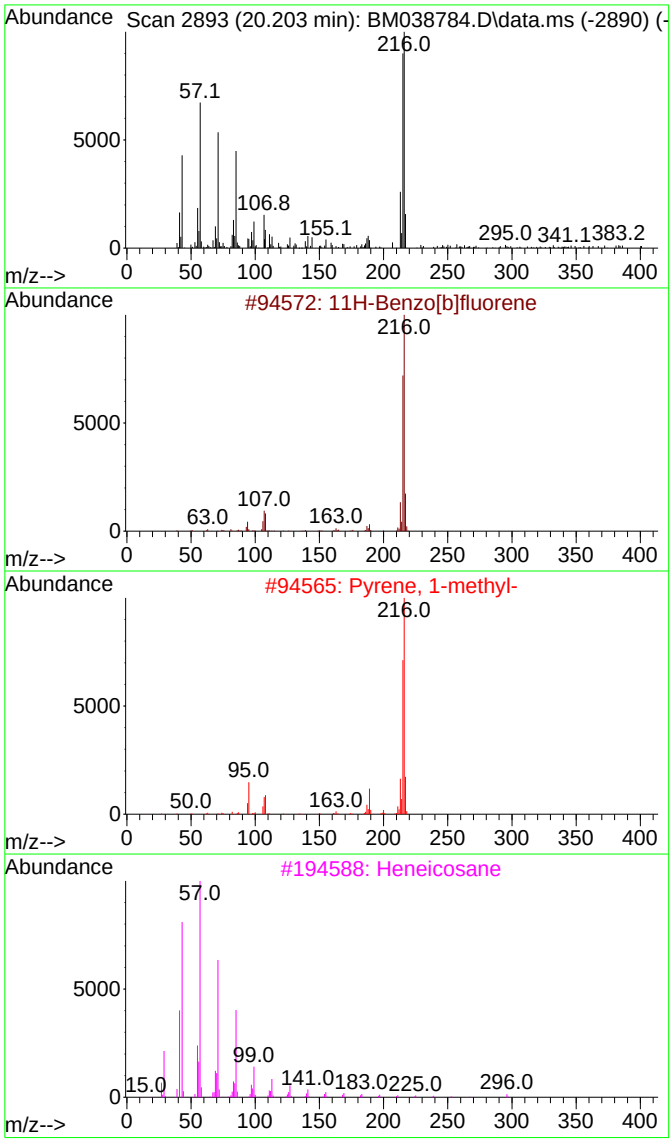
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

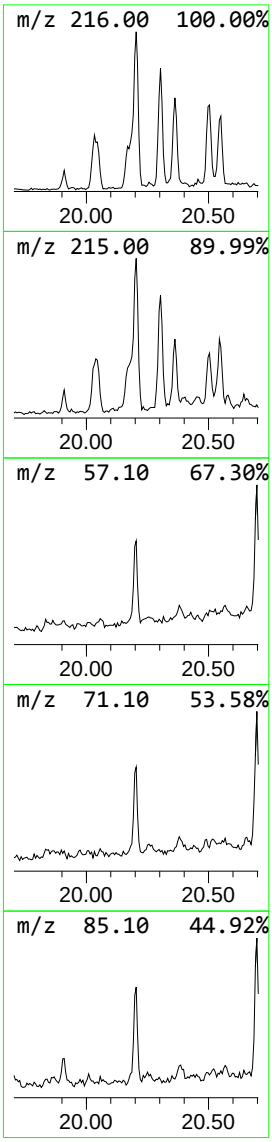
****

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.203	2.45 ng	175081	Chrysene-d12	21.474

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	49
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	49
3	Heneicosane	296	C21H44	000629-94-7	42
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	35
5	d-Allylglycine, N-pentafluoropro...	401	C18H28F5NO3	1000325-11-4	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
Data File : BM038784.D
Acq On : 17 Feb 2023 21:09
Operator : CG/JU
Sample : 01552-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

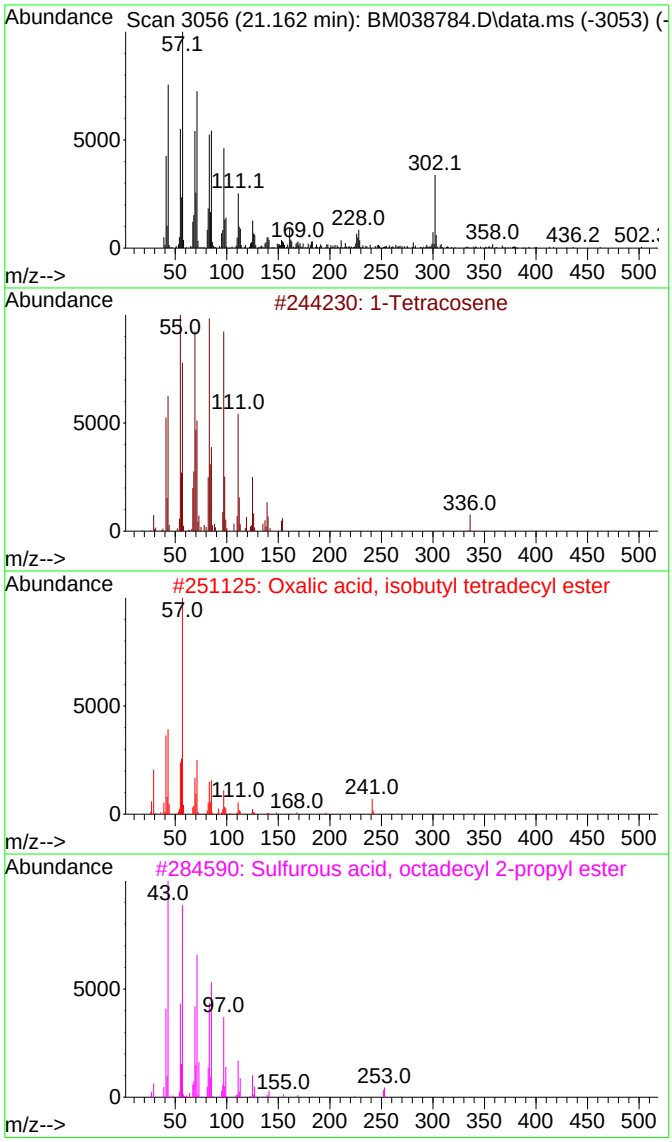
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

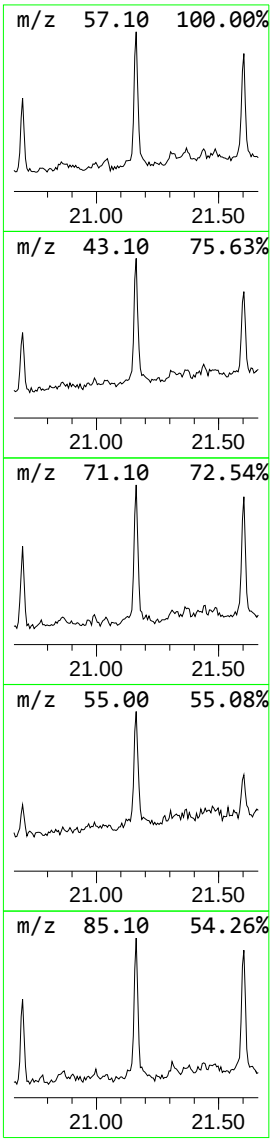
****

Peak Number 8 1-Tetracosene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.162	5.43 ng	387684	Chrysene-d12	21.474

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tetracosene	336	C24H48	010192-32-2	95
2	Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	81
3	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	81
4	Carbonic acid, decyl hexadecyl e...	426	C27H54O3	1000383-16-5	81
5	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
Data File : BM038784.D
Acq On : 17 Feb 2023 21:09
Operator : CG/JU
Sample : 01552-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

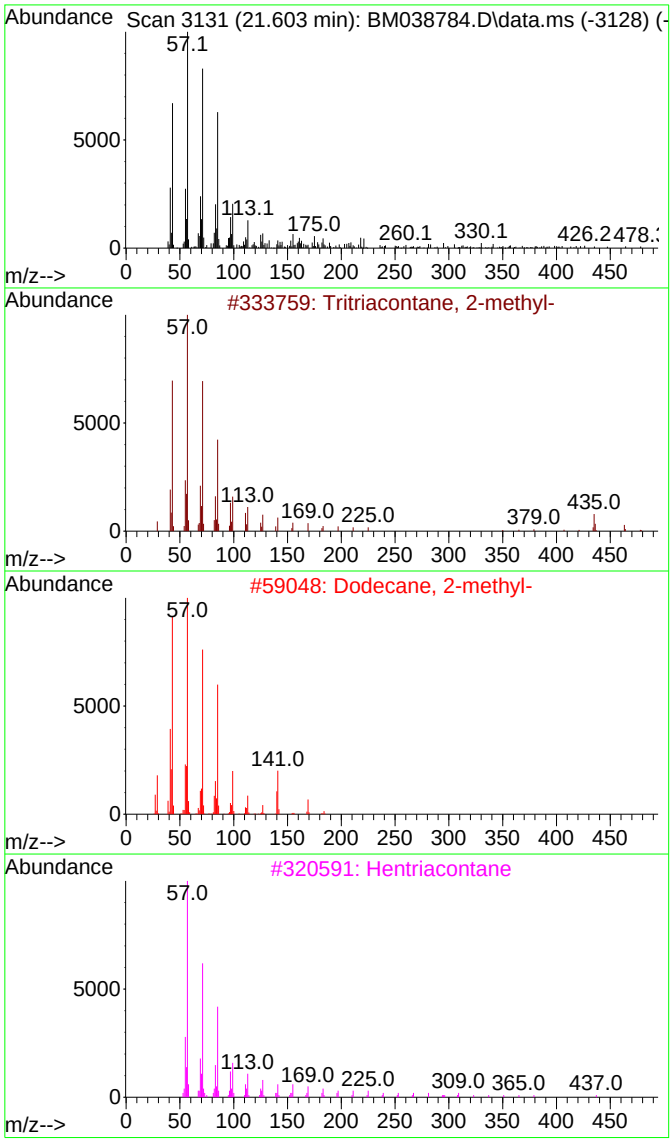
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

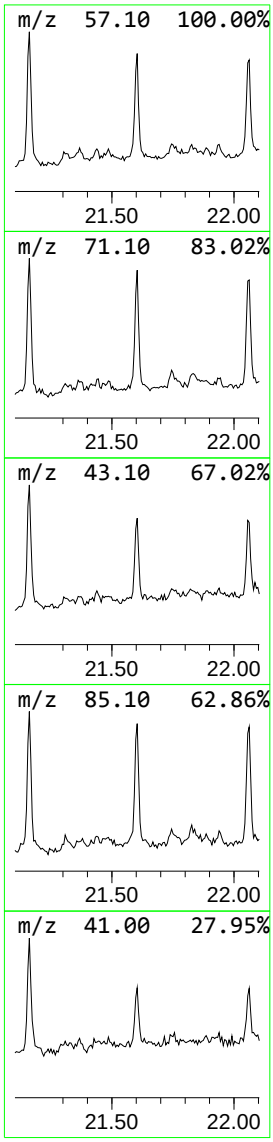
****

Peak Number 9 Tritriacontane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.603	2.40 ng	171620	Chrysene-d12	21.474

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tritriacontane, 2-methyl-	479	C34H70	066214-27-5	94
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	91
3	Hentriacontane	437	C31H64	000630-04-6	91
4	Heneicosane	296	C21H44	000629-94-7	90
5	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021723\
Data File : BM038784.D
Acq On : 17 Feb 2023 21:09
Operator : CG/JU
Sample : 01552-18
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SB-02-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.963	18.9	ng	275858	1	7.881	291354	20.0
Benzophenone	15.898	2.2	ng	70058	3	14.539	645939	20.0
n-Hexadecanoic ...	18.174	8.5	ng	351618	4	17.286	823761	20.0
Phenanthrene, 1...	18.209	2.5	ng	104268	4	17.286	823761	20.0
4H-Cyclopenta[d...	18.357	4.0	ng	166301	4	17.286	823761	20.0
3,4-Dimethylphe...	19.086	2.7	ng	112641	4	17.286	823761	20.0
11H-Benzo[b]flu...	20.203	2.5	ng	175081	5	21.474	1428080	20.0
1-Tetracosene	21.162	5.4	ng	387684	5	21.474	1428080	20.0
Tritriacontane,...	21.603	2.4	ng	171620	5	21.474	1428080	20.0