LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
Data File : BM049938.D
Acq On : 15 Apr 2025 17:13
Operator : RC/JU
Sample : Q1808-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILE

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-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049938.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.293	218	222	228	rBV	110982	141853	1.34%	0.147%
2	4.893	318	324	334	rBV	1546604	2159051	20.43%	2.236%
3	5.357	396	403	416	rBV	4240196	6173434	58.42%	6.394%
4	5.963	501	506	516	rVB	483503	723523	6.85%	0.749%
5	6.951	666	674	689	rBV	3890413	6425010	60.80%	6.655%
6	7.769	806	813	821	rBV	1591457	2476091	23.43%	2.565%
7	8.928	1002	1010	1024	rBV	2436726	3990172	37.76%	4.133%
8	9.498	1100	1107	1118	rBV	65653	135246	1.28%	0.140%
9	10.563	1281	1288	1296	rBV	1706519	2923605	27.67%	3.028%
10	13.033	1701	1708	1723	rBV	6091041	8743644	82.74%	9.056%
11	14.139	1890	1896	1902	rBV	153110	247161	2.34%	0.256%
12	14.416	1934	1943	1950	rBV	2401892	3554621	33.64%	3.682%
13	14.474	1950	1953	1963	rVB	70159	120948	1.14%	0.125%
14	15.463	2116	2121	2133	rVB	110573	205917	1.95%	0.213%
15	15.774	2167	2174	2181	rBV	695816	1020852	9.66%	1.057%
16	15.904	2189	2196	2206	rBV	4664227	6684609	63.25%	6.924%
17	16.139	2230	2236	2244	rVB6	73772	183278	1.73%	0.190%
18	16.980	2375	2379	2388	rVB	72491	122806	1.16%	0.127%
19	17.163	2404	2410	2414	rBV	2724284	3903611	36.94%	4.043%
20	17.204	2414	2417	2423	rVB	926141	1215902	11.51%	1.259%
21	17.292	2428	2432	2438	rVV	331855	468347	4.43%	0.485%
22	17.357	2438	2443	2447	rVV2	60186	108261	1.02%	0.112%
23	18.033	2554	2558	2560	rBV	229935	320215	3.03%	0.332%
24	18.062	2560	2563	2565	rBV	338317	449388	4.25%	0.465%
25	18.162	2577	2580	2585	rVB	128835	178773	1.69%	0.185%
26	18.233	2586	2592	2596	rBV2	361287	652983	6.18%	0.676%
27	18.539	2640	2644	2647	rVV	130208	161663	1.53%	0.167%
28	18.580	2647	2651	2661	rVB4	123118	217795	2.06%	0.226%
29	18.833	2691	2694	2698	rBV	90582	117223	1.11%	0.121%
30	18.957	2711	2715	2719	rBV	188546	292204	2.77%	0.303%
31	19.098	2735	2739	2745	rBV2	222613	354484	3.35%	0.367%
32	19.221	2754	2760	2767	rBV	2778242	3897219	36.88%	4.037%
33	19.345	2774	2781	2796	rBV2	2740345	5575803	52.76%	5.775%
34	19.551	2812	2816	2817	rBV	453682	517940	4.90%	0.536%
35	19.580	2817	2821	2830	rVB	2504626	3563242	33.72%	3.691%
36	19.786	2850	2856	2861	rBV	9059465	10567779	100.00%	10.946%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
Data File : BM049938.D
Acq On : 15 Apr 2025 17:13
Operator : RC/JU
Sample : Q1808-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILE

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-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.904	2872	2876	2884	rBV3	218875	578157	5.47%	0.599%
38	20.080	2902	2906	2913	rVB	482106	720038	6.81%	0.746%
39	20.180	2919	2923	2926	rBV	384447	487312	4.61%	0.505%
40	20.233	2930	2932	2936	rVB	295660	370501	3.51%	0.384%
41	20.374	2954	2956	2960	rBV	162099	182971	1.73%	0.190%
42	20.551	2983	2986	2990	rVB	446586	492174	4.66%	0.510%
43	21.086	3074	3077	3083	rVB3	298487	464269	4.39%	0.481%
44	21.398	3123	3130	3135	rBV2	3448135	6585179	62.31%	6.821%
45	21.439	3135	3137	3150	rVB	1121443	1635031	15.47%	1.694%
46	23.450	3474	3479	3487	rBV2	778781	2154759	20.39%	2.232%
47	24.403	3634	3641	3649	rVB	1837269	4281744	40.52%	4.435%

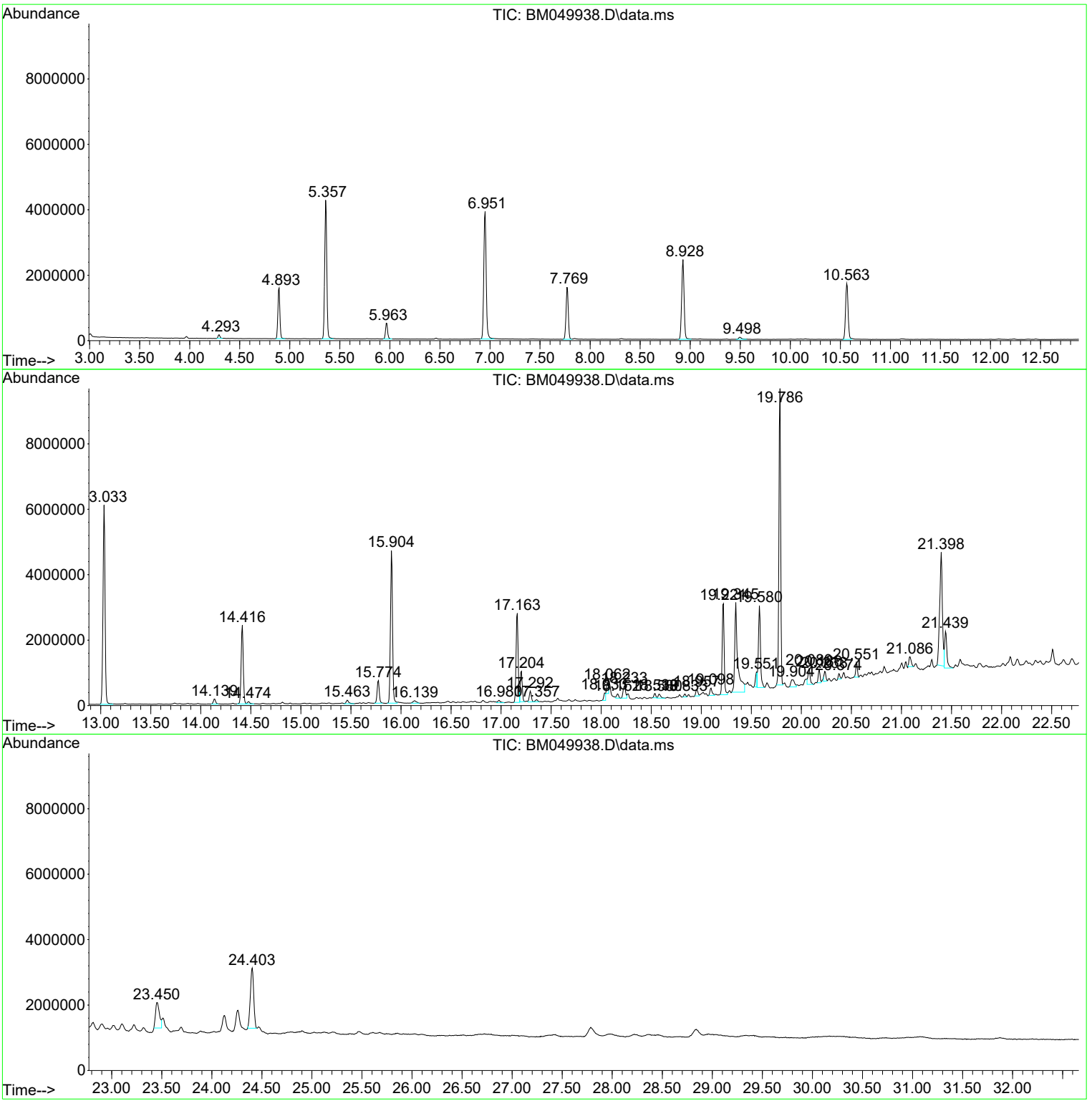
Sum of corrected areas: 96546788

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
Data File : BM049938.D
Acq On : 15 Apr 2025 17:13
Operator : RC/JU
Sample : Q1808-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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\BM041525\
Data File : BM049938.D
Acq On : 15 Apr 2025 17:13
Operator : RC/JU
Sample : Q1808-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILE

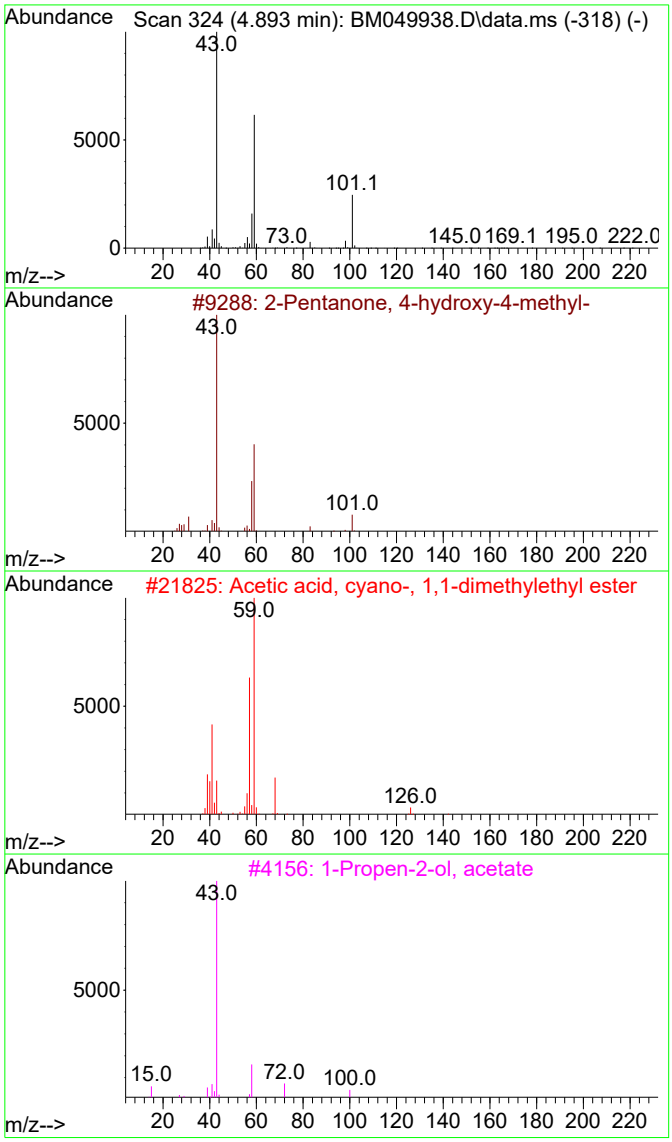
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

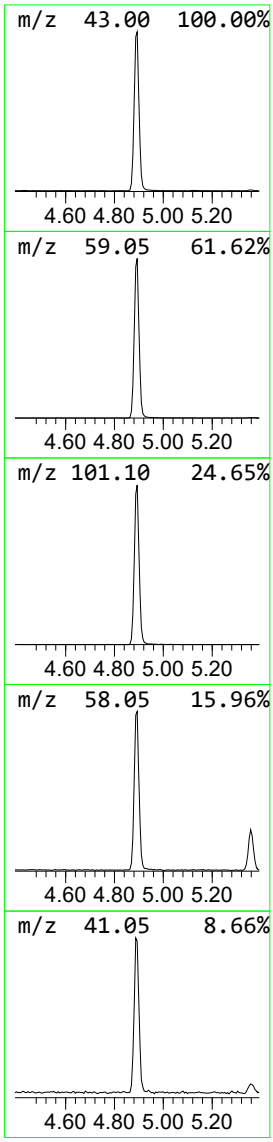
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.893	17.44 ng	2159050	1,4-Dichlorobenzene-d4	7.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
Data File : BM049938.D
Acq On : 15 Apr 2025 17:13
Operator : RC/JU
Sample : Q1808-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILE

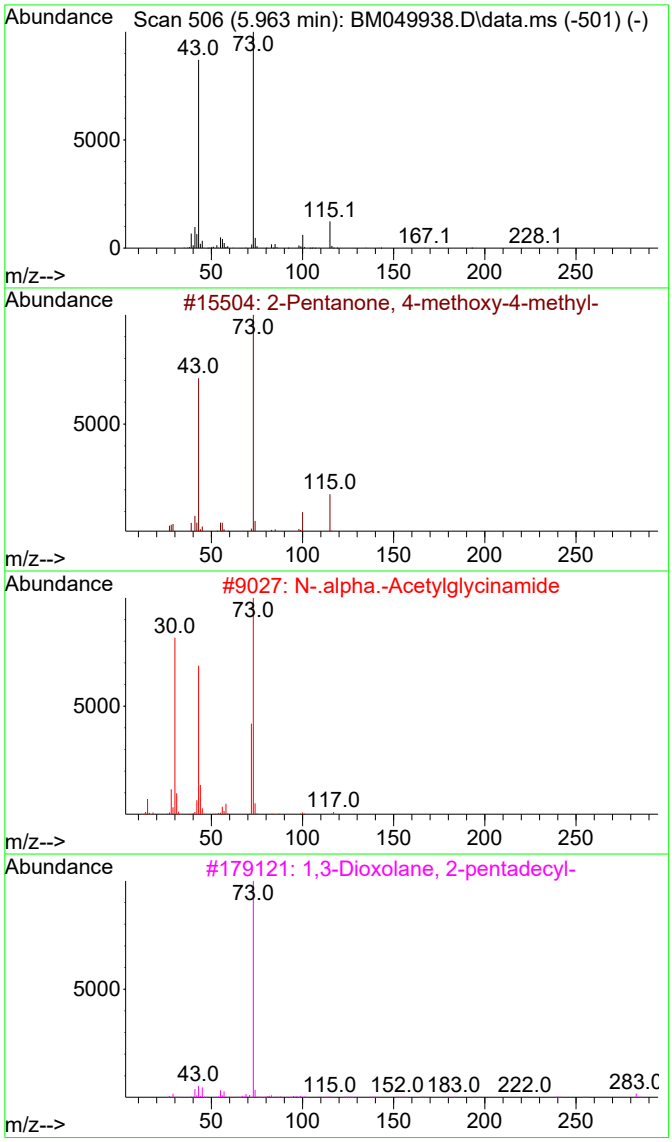
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

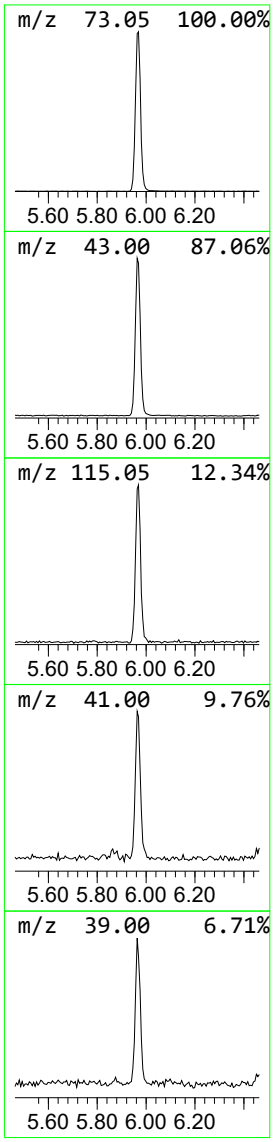
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.963	5.84 ng	723523	1,4-Dichlorobenzene-d4	7.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	83
2	N-.alpha.-Acetylglycinamide	116	C4H8N2O2	002620-63-5	33
3	1,3-Dioxolane, 2-pentadecyl-	284	C18H36O2	004360-57-0	12
4	N-Formylmorpholine	115	C5H9NO2	004394-85-8	10
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
Data File : BM049938.D
Acq On : 15 Apr 2025 17:13
Operator : RC/JU
Sample : Q1808-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

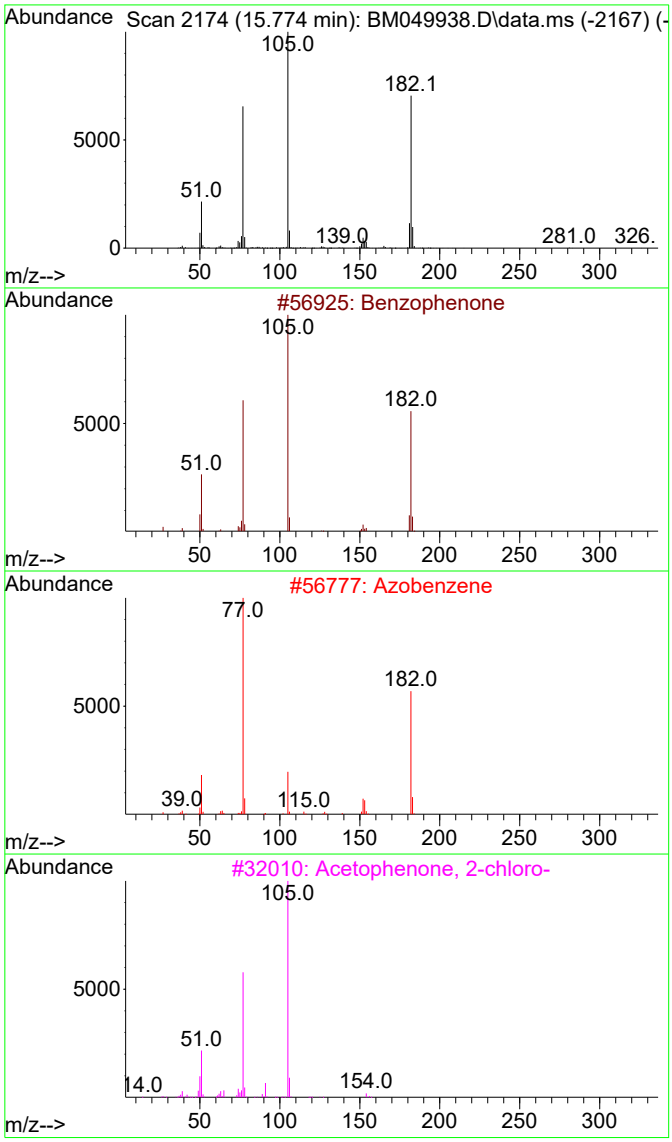
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

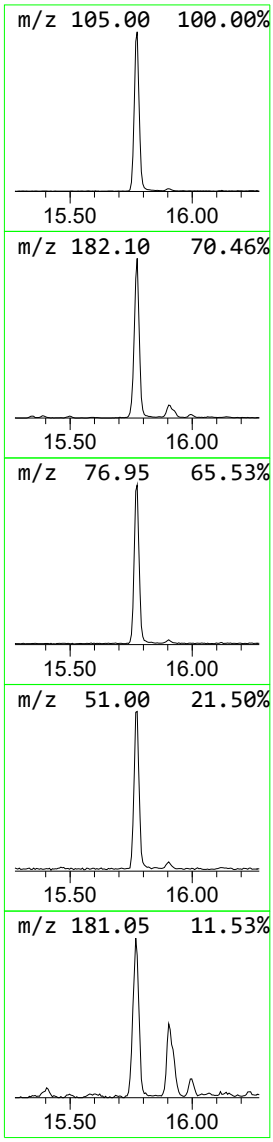
****

Peak Number 3 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.774	5.74 ng	1020850	Acenaphthene-d10	14.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Azobenzene	182	C12H10N2	000103-33-3	47
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
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\BM041525\
Data File : BM049938.D
Acq On : 15 Apr 2025 17:13
Operator : RC/JU
Sample : Q1808-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

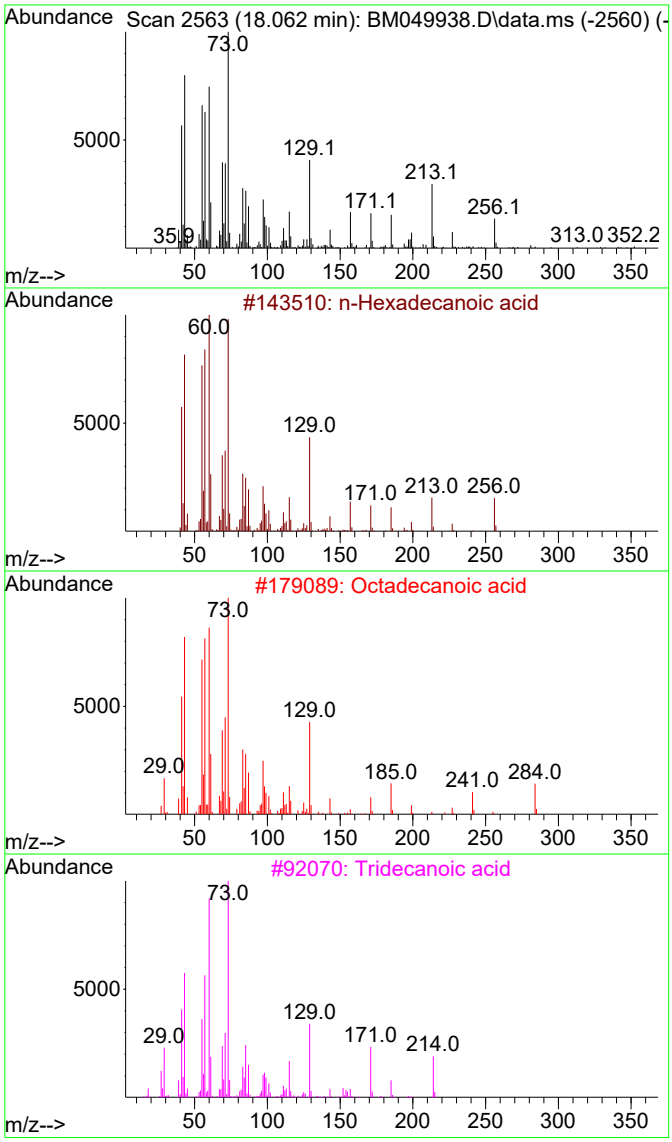
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

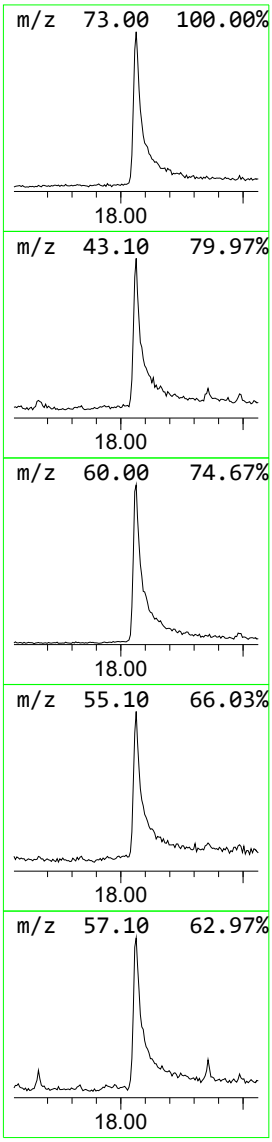
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.062	2.30 ng	449388	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
Data File : BM049938.D
Acq On : 15 Apr 2025 17:13
Operator : RC/JU
Sample : Q1808-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILE

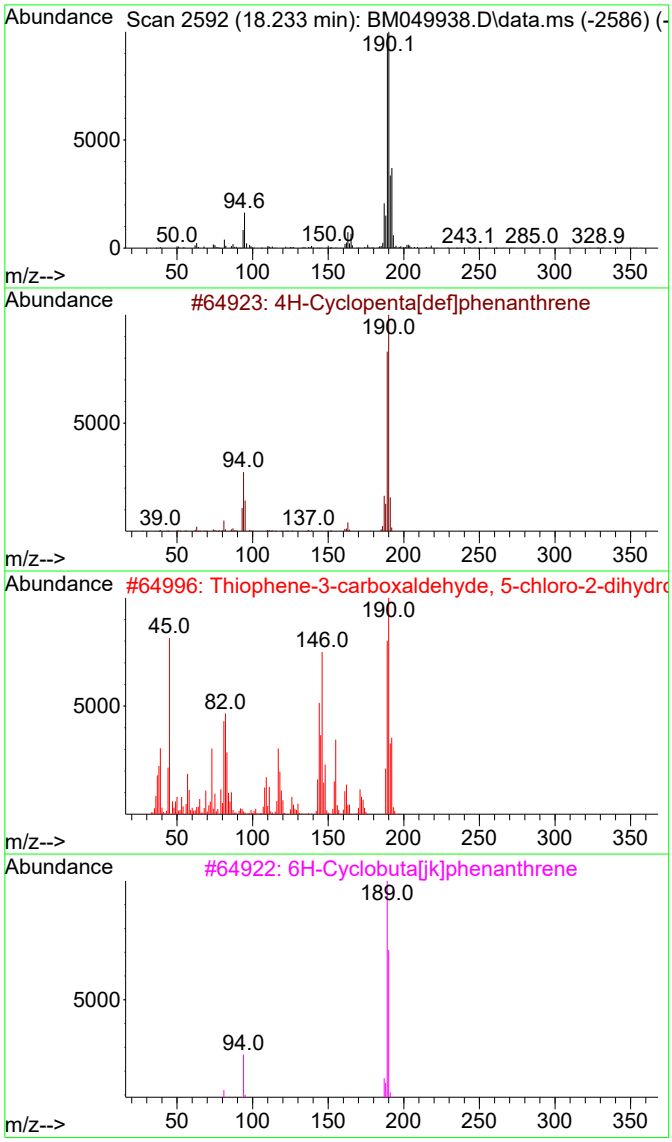
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

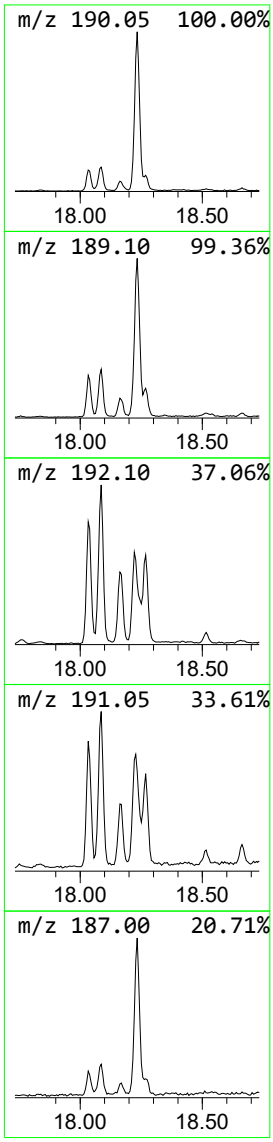
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.233	3.35 ng	652983	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
Data File : BM049938.D
Acq On : 15 Apr 2025 17:13
Operator : RC/JU
Sample : Q1808-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

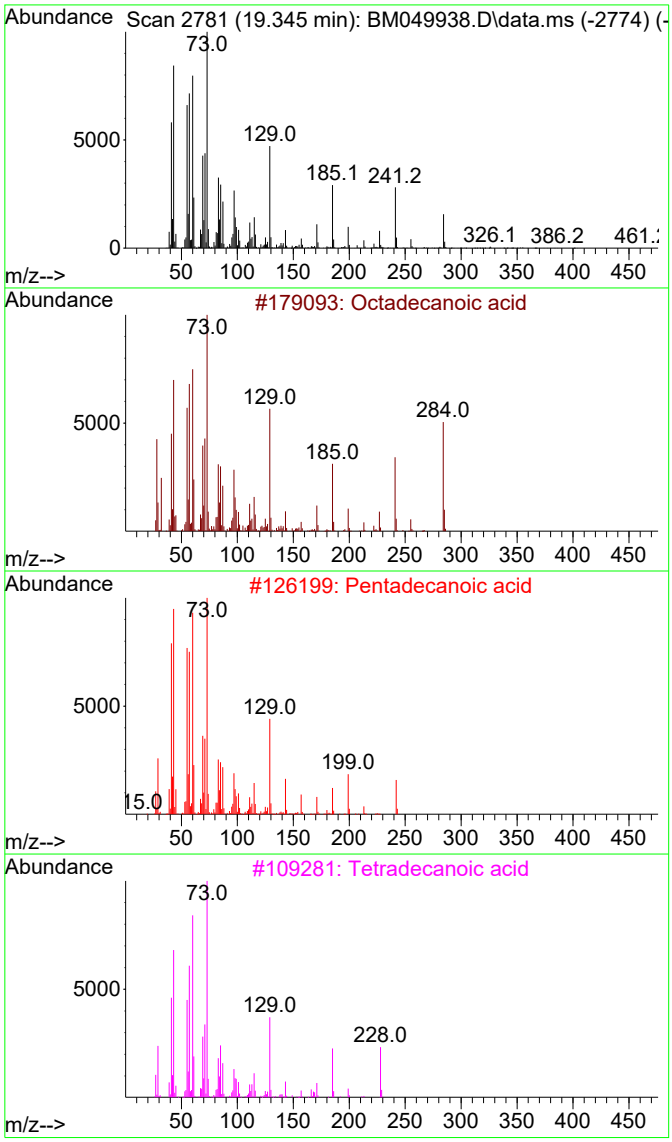
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

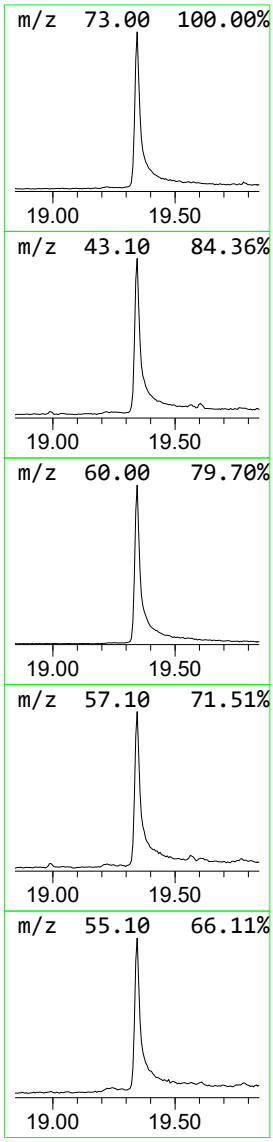
****

Peak Number 6 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.345	16.93 ng	5575800	Chrysene-d12	21.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80
5	Tridecanoic acid	214	C13H26O2	000638-53-9	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
Data File : BM049938.D
Acq On : 15 Apr 2025 17:13
Operator : RC/JU
Sample : Q1808-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

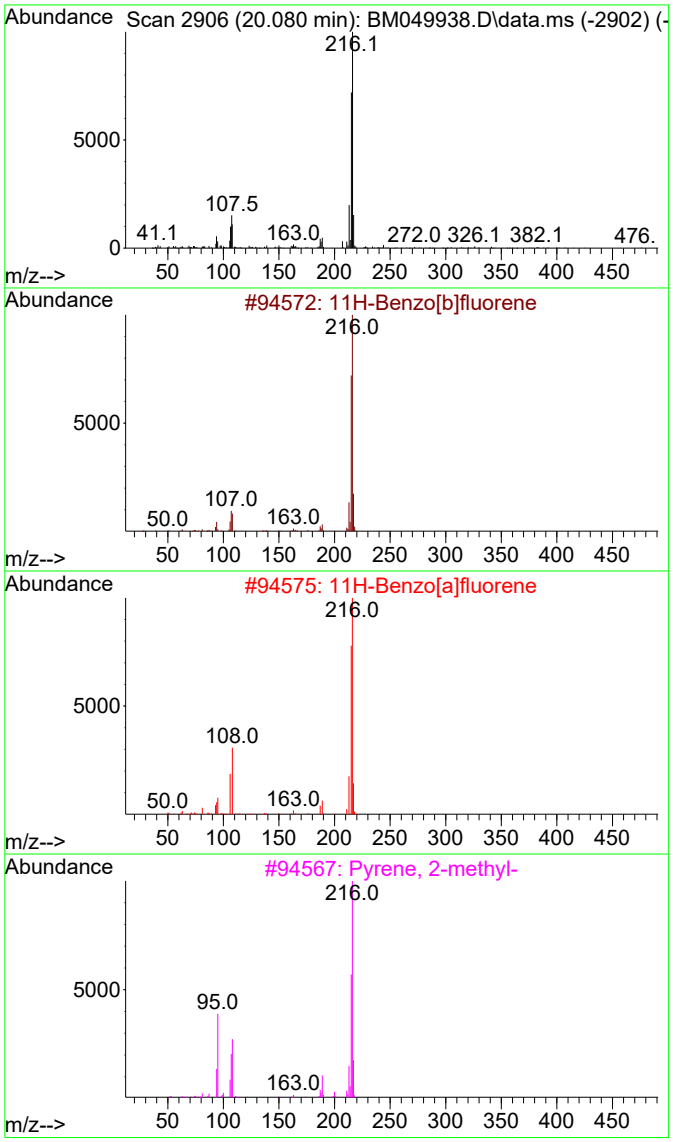
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

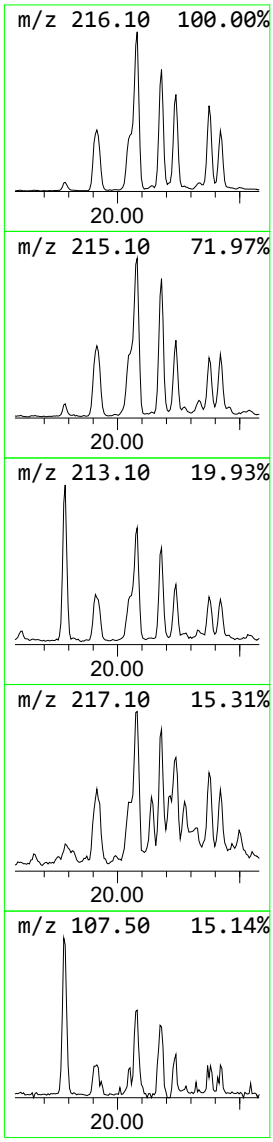
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.080	2.19 ng	720038	Chrysene-d12	21.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	68
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
Data File : BM049938.D
Acq On : 15 Apr 2025 17:13
Operator : RC/JU
Sample : Q1808-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OILY-SOIL-PILE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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-...	4.893	17.4	ng	2159050	1	7.769	2476090	20.0
2-Pentanone, 4-...	5.963	5.8	ng	723523	1	7.769	2476090	20.0
Benzophenone	15.774	5.7	ng	1020850	3	14.416	3554620	20.0
n-Hexadecanoic ...	18.062	2.3	ng	449388	4	17.163	3903610	20.0
4H-Cyclopenta[d...	18.233	3.4	ng	652983	4	17.163	3903610	20.0
Octadecanoic acid	19.345	16.9	ng	5575800	5	21.398	6585180	20.0
11H-Benzo[b]flu...	20.080	2.2	ng	720038	5	21.398	6585180	20.0