LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050124.D
Acq On : 06 May 2025 17:57
Operator : RC/JU
Sample : Q1938-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

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-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050124.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.875	316	321	328	rVB	56437	92841	1.91%	0.216%
2	5.346	395	401	416	rBV	527754	927531	19.04%	2.157%
3	6.940	665	672	688	rBV	403248	948109	19.46%	2.205%
4	7.746	802	809	830	rBV	1141486	1904490	39.09%	4.429%
5	8.910	1000	1007	1032	rBV	262195	642752	13.19%	1.495%
6	10.539	1275	1284	1300	rBV	1291754	2506123	51.44%	5.828%
7	13.010	1696	1704	1721	rBV	954732	1735777	35.63%	4.036%
8	14.392	1933	1939	1954	rVB	2233732	3431259	70.43%	7.979%
9	14.945	2027	2033	2040	rBV3	38863	58086	1.19%	0.135%
10	15.757	2165	2171	2182	rBV	115536	205103	4.21%	0.477%
11	15.892	2188	2194	2204	rBV	721139	1226730	25.18%	2.853%
12	16.568	2303	2309	2317	rBV	17829	58741	1.21%	0.137%
13	17.139	2398	2406	2419	rBV2	2514237	3987159	81.84%	9.272%
14	17.227	2419	2421	2427	rVB3	31115	48813	1.00%	0.114%
15	18.039	2554	2559	2575	rBV	490022	929453	19.08%	2.161%
16	18.310	2601	2605	2609	rBV3	63522	101552	2.08%	0.236%
17	19.145	2743	2747	2753	rBV	243083	344078	7.06%	0.800%
18	19.204	2753	2757	2765	rVV	122414	218843	4.49%	0.509%
19	19.321	2773	2777	2786	rBV3	136123	247532	5.08%	0.576%
20	19.545	2811	2815	2817	rBV2	128520	162979	3.35%	0.379%
21	19.762	2848	2852	2861	rBV	1959589	2380356	48.86%	5.535%
22	20.080	2902	2906	2910	rVB	486079	538869	11.06%	1.253%
23	20.533	2979	2983	2987	rBV	1081995	1448414	29.73%	3.368%
24	20.574	2987	2990	3000	rVB	894370	1041243	21.37%	2.421%
25	21.056	3068	3072	3079	rVB	1149934	1377644	28.28%	3.204%
26	21.386	3122	3128	3134	rBV	2721350	4039277	82.91%	9.393%
27	21.568	3155	3159	3164	rVB	813869	1051399	21.58%	2.445%
28	22.133	3250	3255	3269	rVB	902132	1605749	32.96%	3.734%
29	22.768	3358	3363	3370	rVB	634724	1078637	22.14%	2.508%
30	23.503	3483	3488	3495	rVB	887624	1699436	34.88%	3.952%
31	24.374	3628	3636	3647	rVB	2002704	4872113	100.00%	11.330%
32	25.403	3804	3811	3822	rVB	775035	2091285	42.92%	4.863%

Sum of corrected areas: 43002373

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
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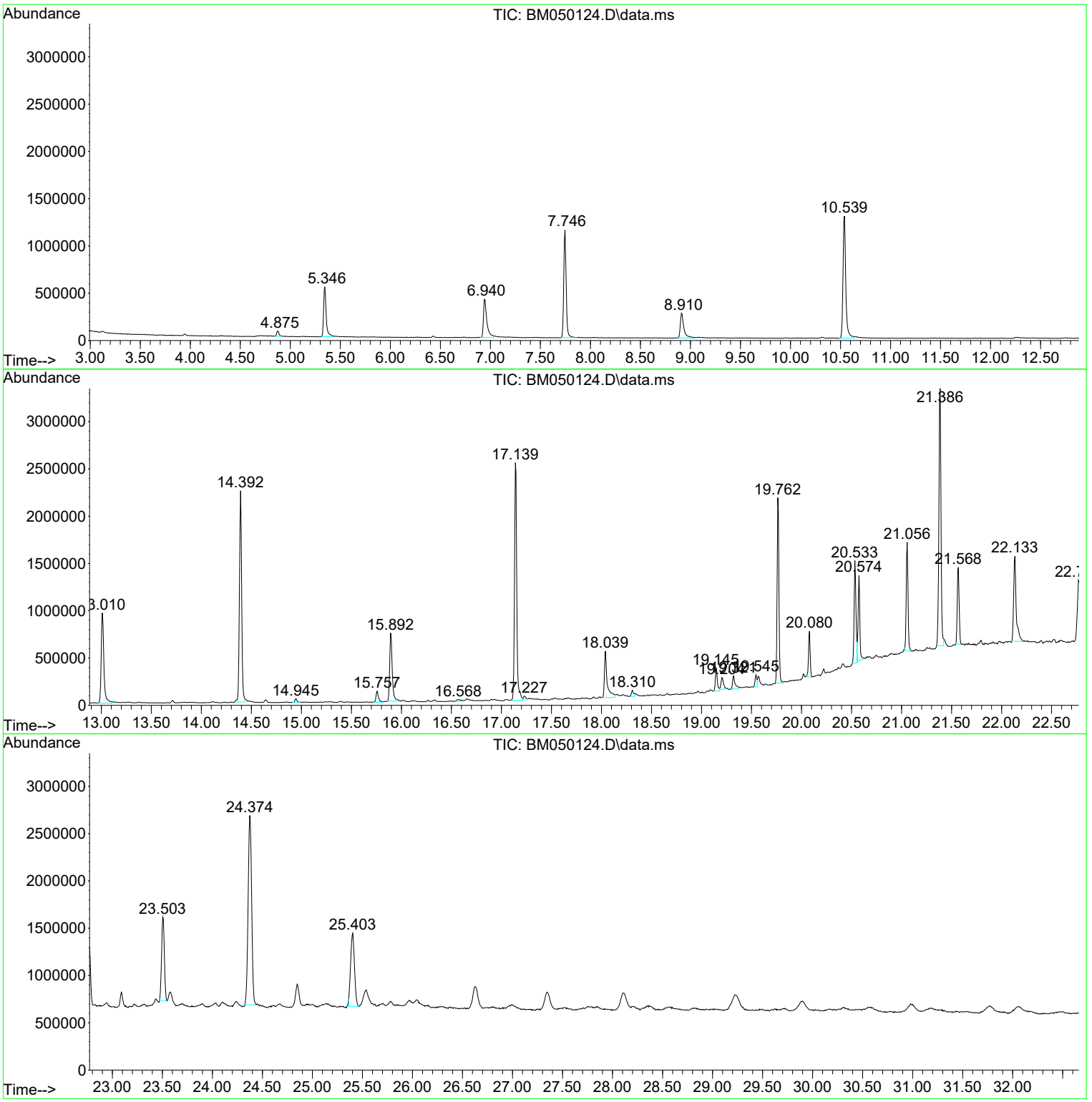
Sample : Q1938-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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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Data File : BM050124.D
Acq On : 06 May 2025 17:57
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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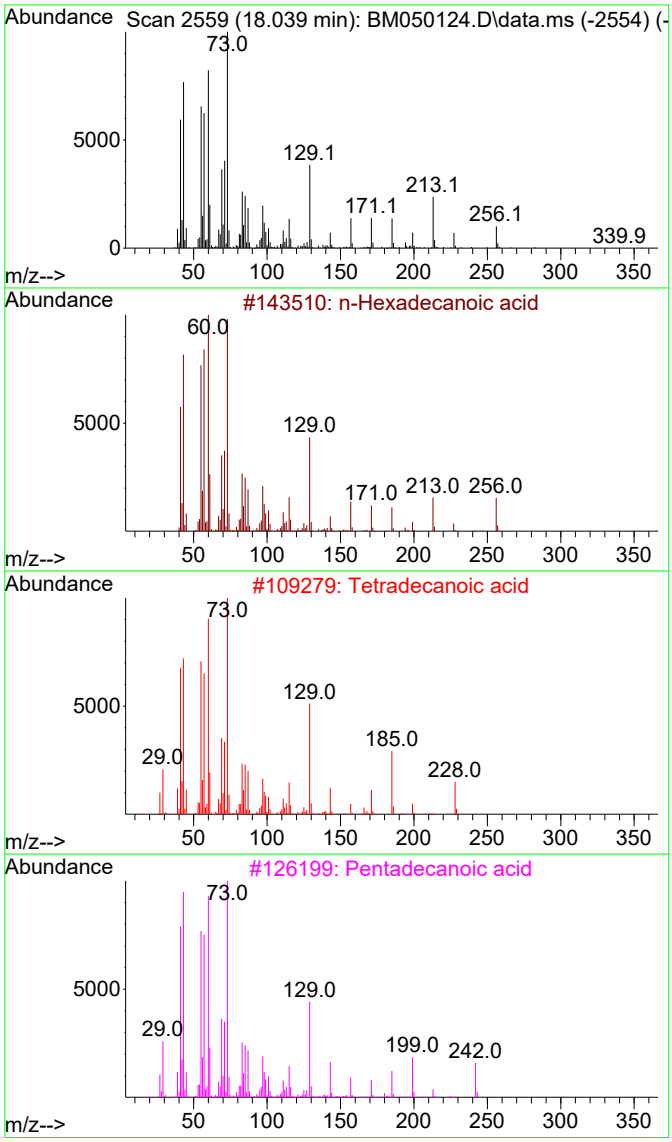
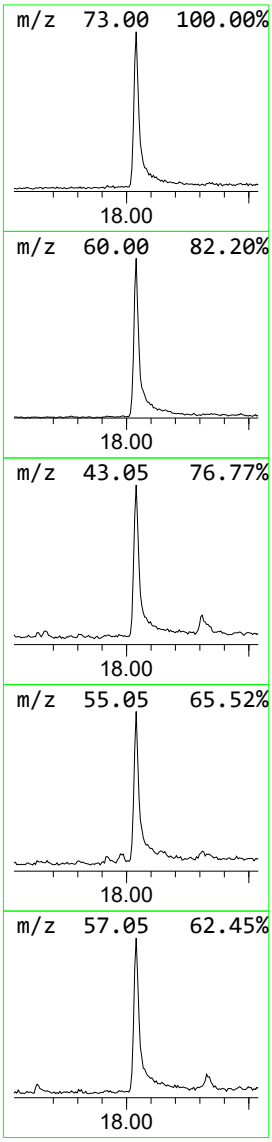
Peak Number 1 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.039	4.66 ng	929453	Phenanthrene-d10	17.139

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	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tridecanoic acid	214	C13H26O2	000638-53-9	89
5	n-Decanoic acid	172	C10H20O2	000334-48-5	76





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Data File : BM050124.D
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Operator : RC/JU
Sample : Q1938-01 5X
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Instrument :
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ClientSampleId :
LOWER-WALL-PILE-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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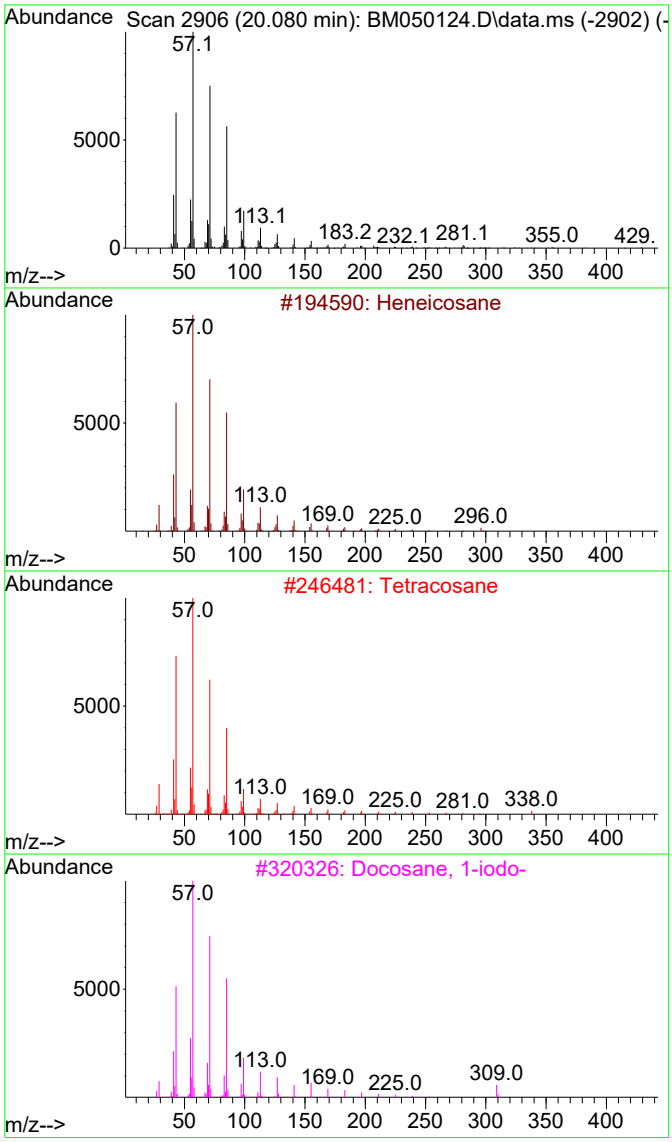
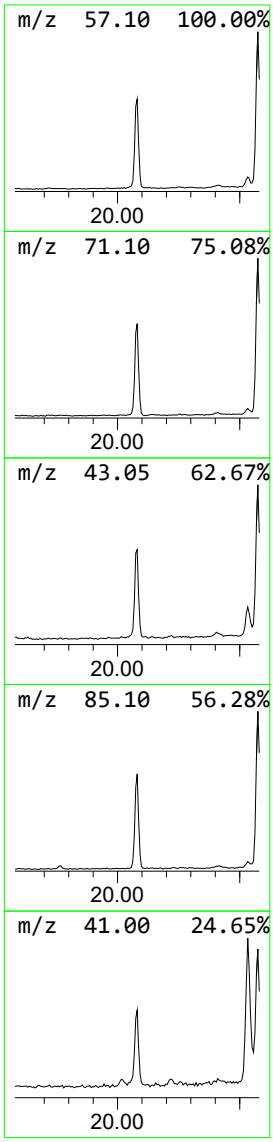
Peak Number 2 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.080	2.67 ng	538869	Chrysene-d12	21.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Tetracosane	338	C24H50	000646-31-1	91
3	Docosane, 1-iodo-	436	C22H45I	1000406-31-9	91
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	90
5	Octadecane	254	C18H38	000593-45-3	90





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Sample : Q1938-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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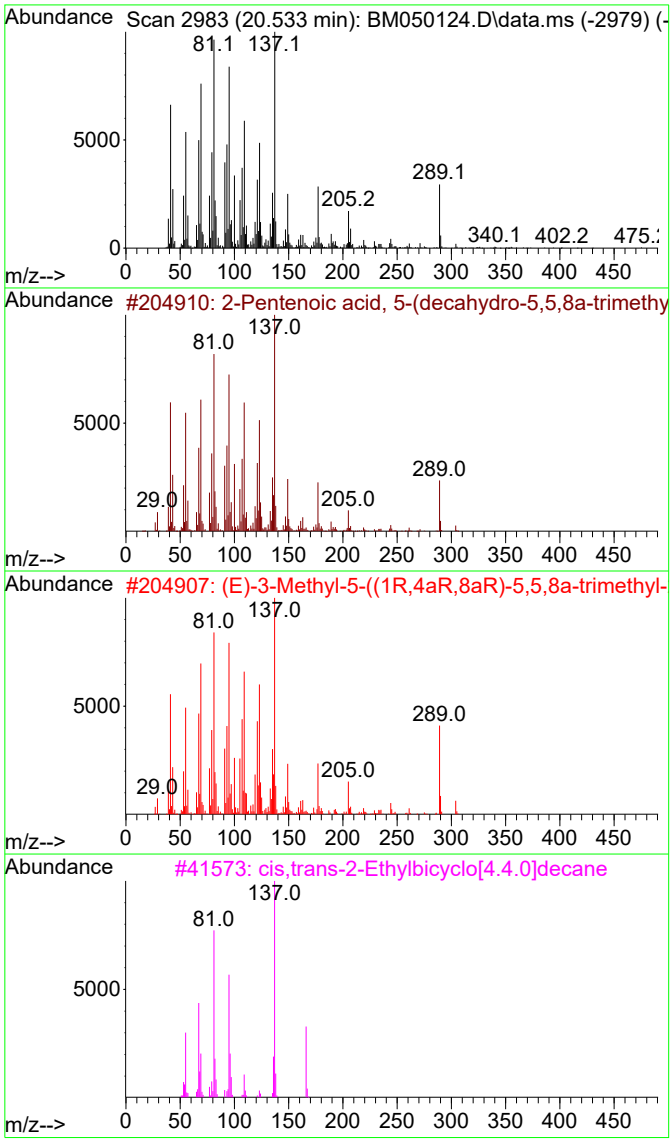
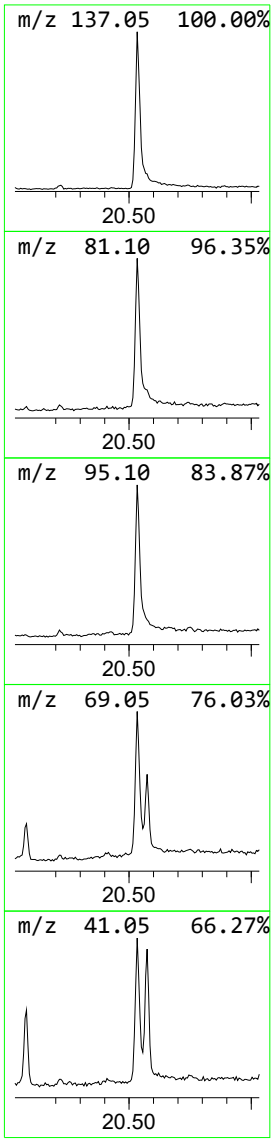
Peak Number 3 2-Pentenoic acid, 5-(decahy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.533	7.17 ng	1448410	Chrysene-d12	21.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenoic acid, 5-(decahydro-5...	304	C20H32O2	024470-48-2	95
2	(E)-3-Methyl-5-((1R,4aR,8aR)-5,5...	304	C20H32O2	020257-75-4	81
3	cis,trans-2-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-38-6	50
4	Naphthalene, 1,1'-ethylidenebis[...	302	C22H38	054934-70-2	49
5	Naphthalene, 1,1'-methylenebis[d...	288	C21H36	055125-02-5	46





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Operator : RC/JU
Sample : Q1938-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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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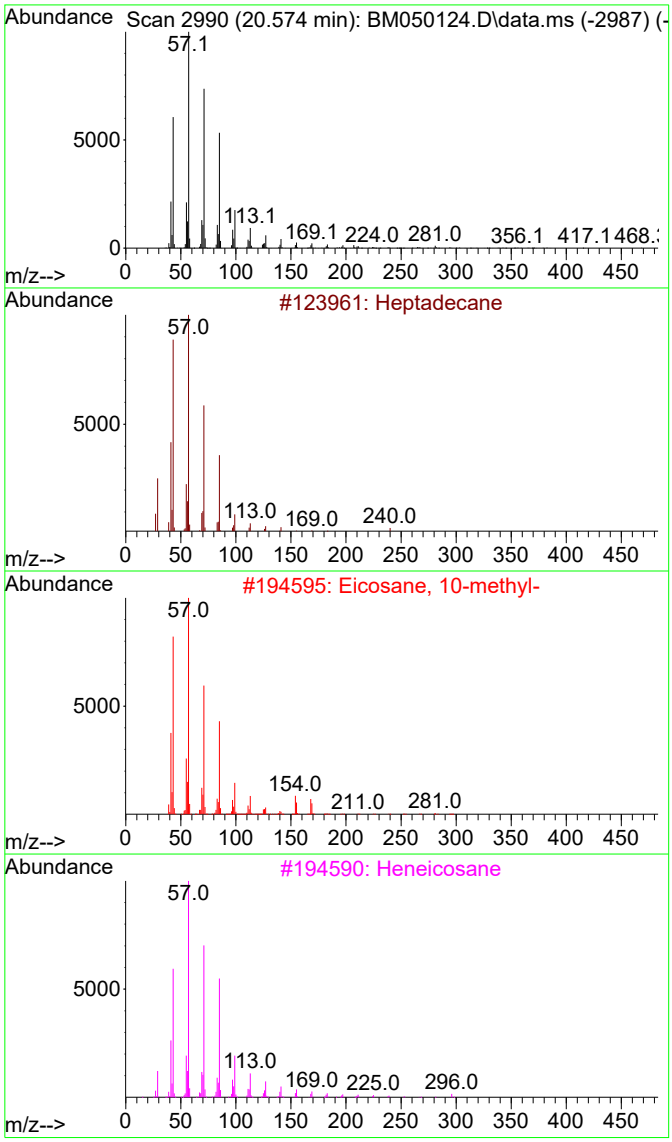
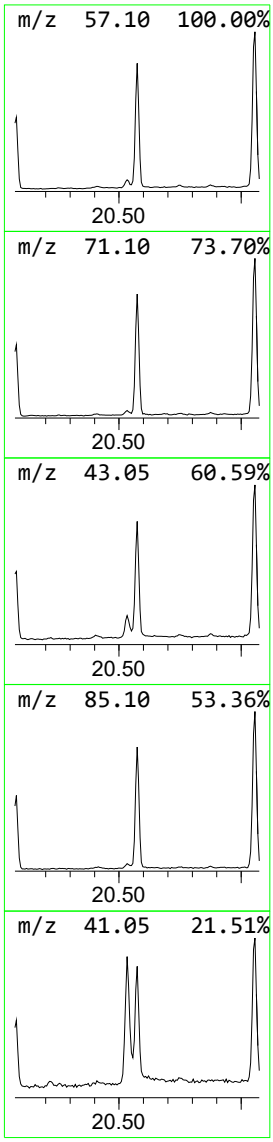
Peak Number 4 Heptadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.574	5.16 ng	1041240	Chrysene-d12	21.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3	Heneicosane	296	C21H44	000629-94-7	91
4	Octadecane	254	C18H38	000593-45-3	91
5	Pentadecane	212	C15H32	000629-62-9	91





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Operator : RC/JU
Sample : Q1938-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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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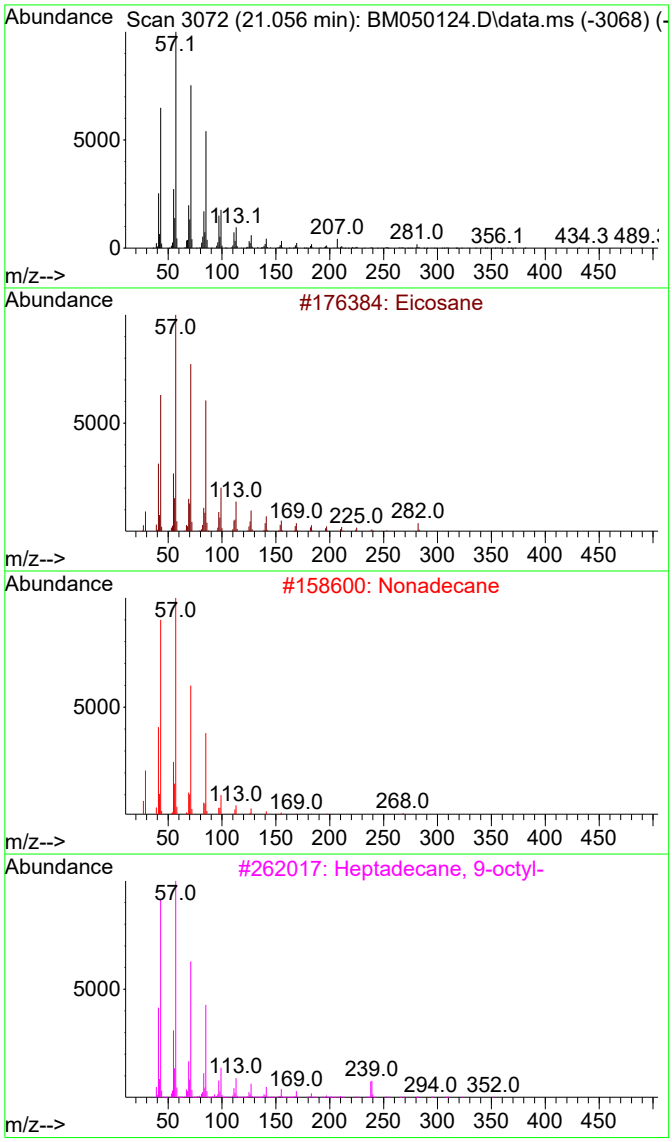
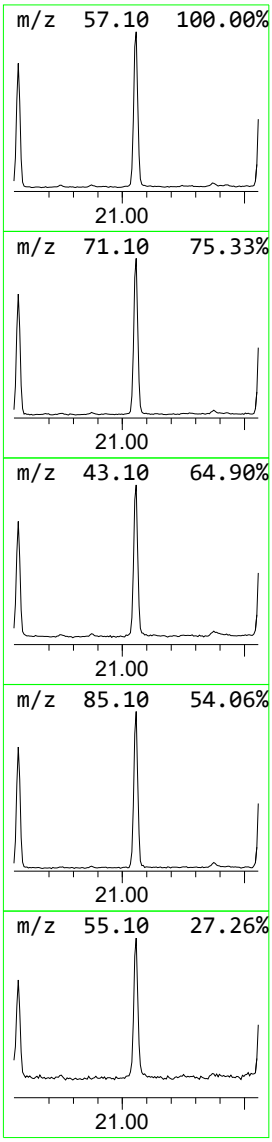
Peak Number 5 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.056	6.82 ng	1377640	Chrysene-d12	21.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Nonadecane	268	C19H40	000629-92-5	94
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	94
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
5	Hexacosane	366	C26H54	000630-01-3	91





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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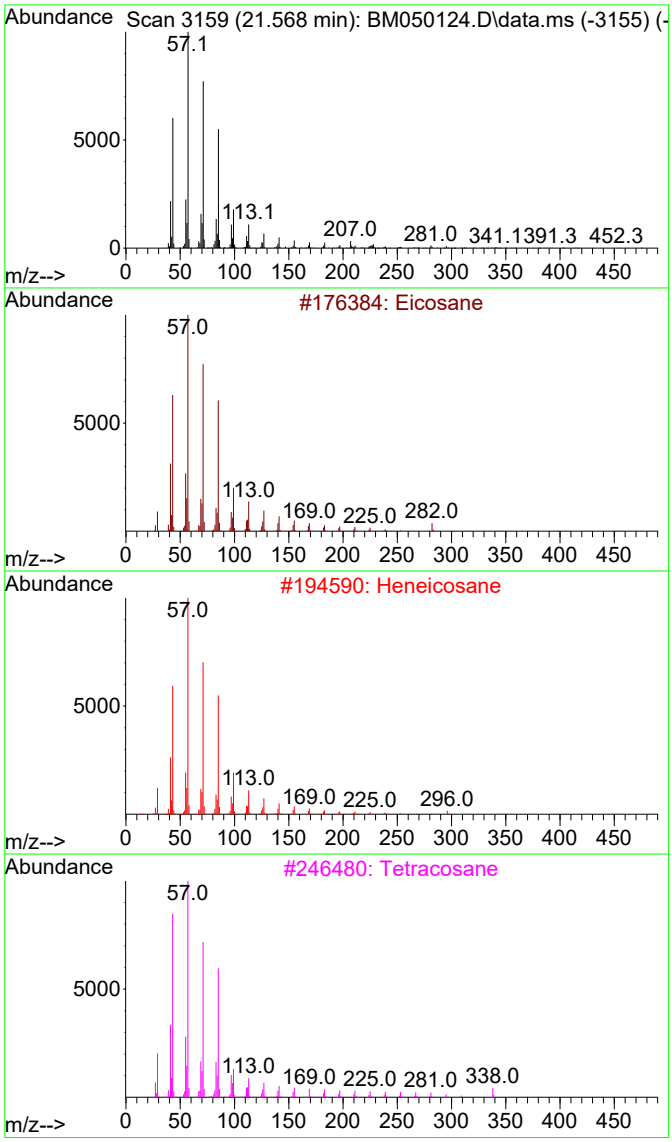
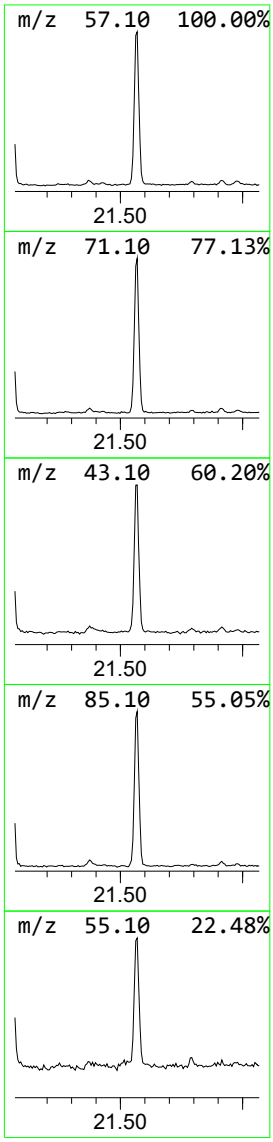
Peak Number 6 Tetracosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.568	5.21 ng	1051400	Chrysene-d12	21.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	98
2	Heneicosane	296	C21H44	000629-94-7	91
3	Tetracosane	338	C24H50	000646-31-1	91
4	Nonadecane	268	C19H40	000629-92-5	91
5	Heptadecane	240	C17H36	000629-78-7	91





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Operator : RC/JU
Sample : Q1938-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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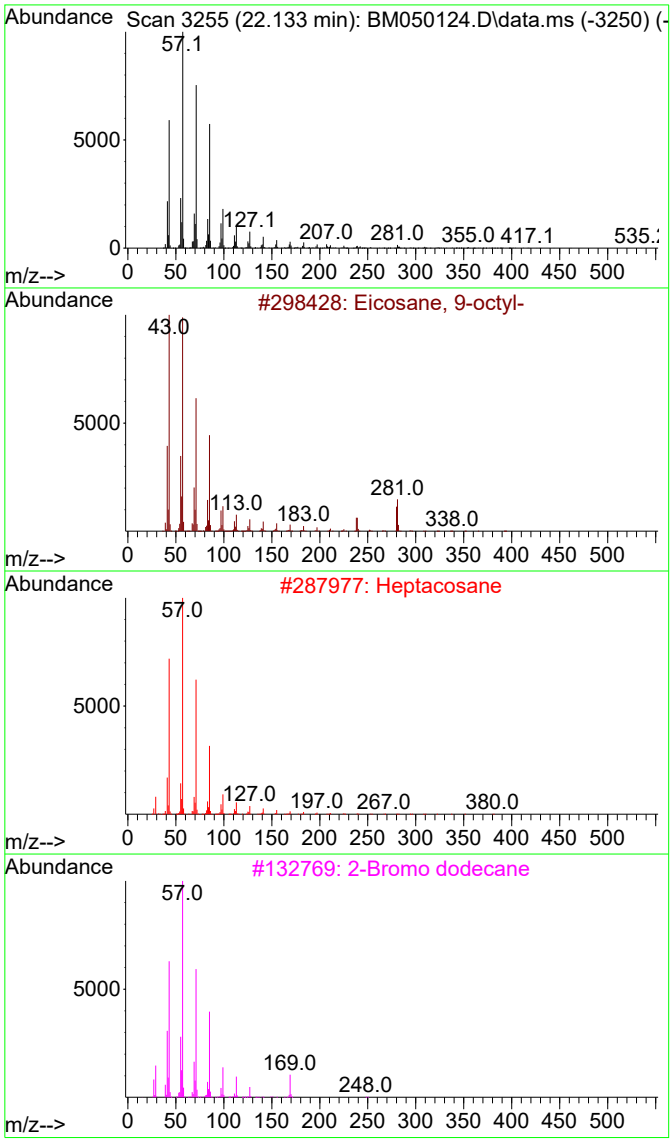
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

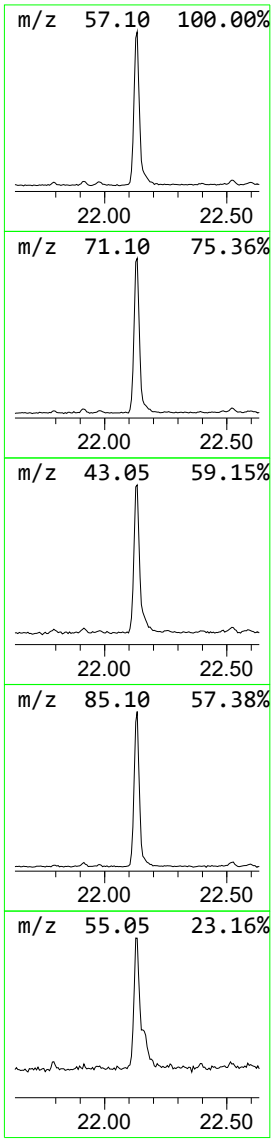
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Eicosane, 9-octyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.133	7.95 ng	1605750	Chrysene-d12	21.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 9-octyl-	394	C28H58	013475-77-9	94
2	Heptacosane	380	C27H56	000593-49-7	93
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
4	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	91
5	2-Methylheptacosane	394	C28H58	001561-00-8	91





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BNA_M
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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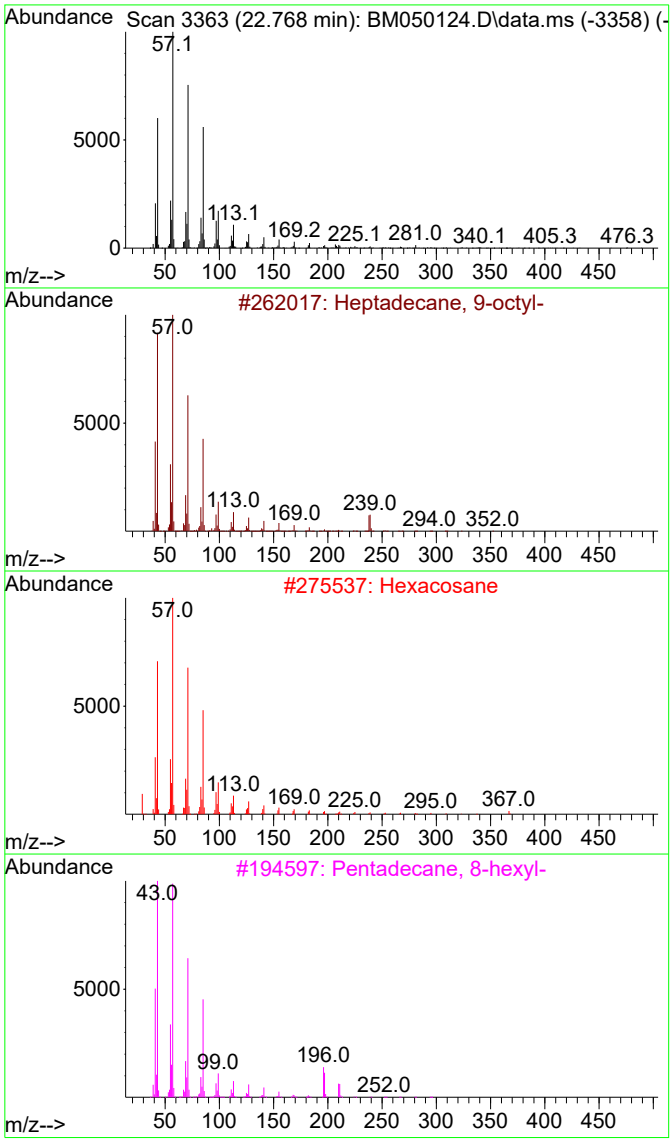
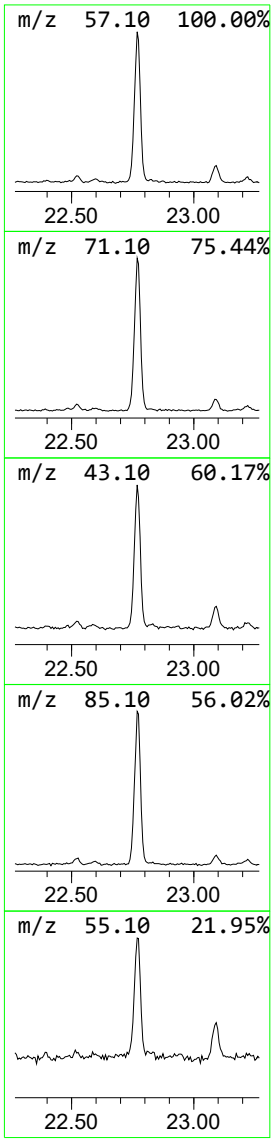
Peak Number 8 Heptadecane, 9-octyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.768	5.34 ng	1078640	Chrysene-d12	21.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95
2	Hexacosane	366	C26H54	000630-01-3	93
3	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
4	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	93
5	2-Methyltetracosane	352	C25H52	001560-78-7	93





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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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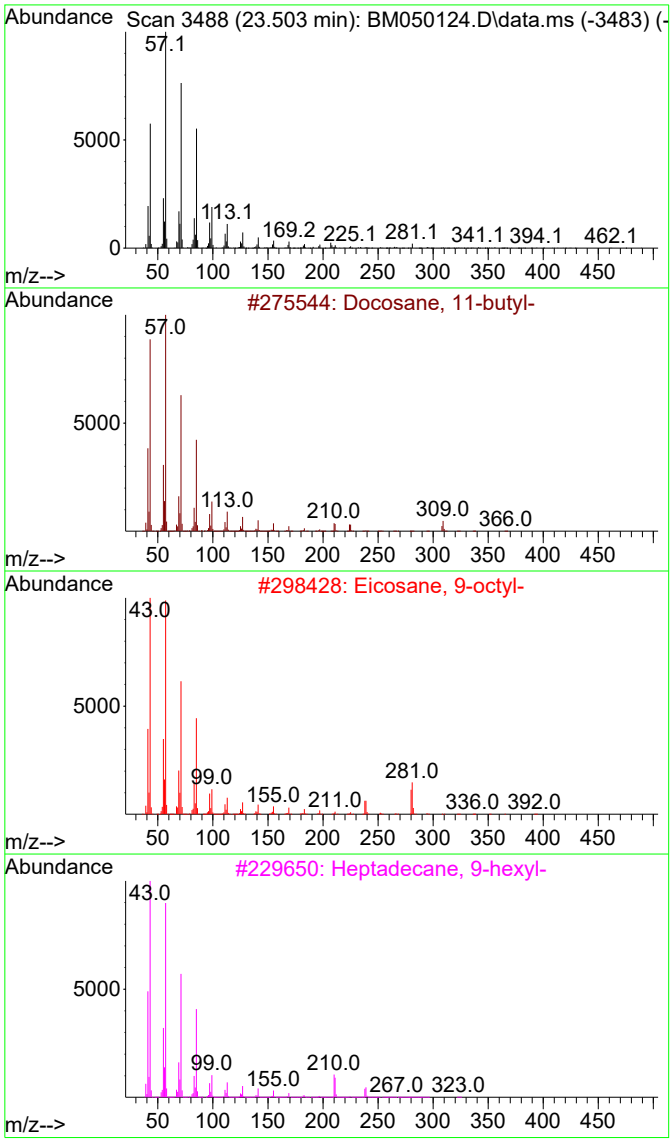
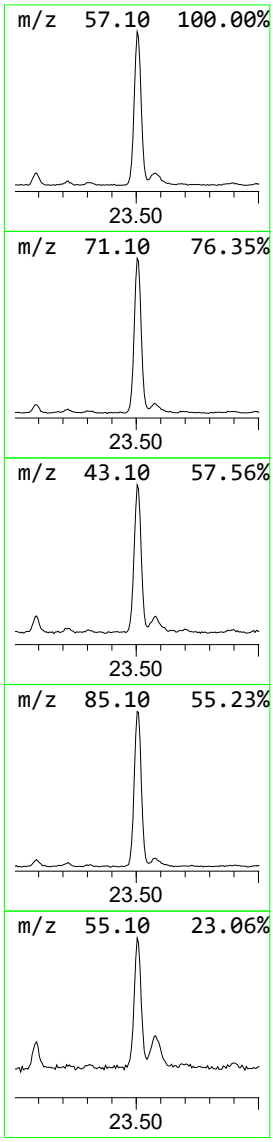
Peak Number 9 Docosane, 11-butyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.503	6.98 ng	1699440	Perylene-d12	24.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane, 11-butyl-	366	C26H54	013475-76-8	94
2	Eicosane, 9-octyl-	394	C28H58	013475-77-9	93
3	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	93
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
5	Heneicosane	296	C21H44	000629-94-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

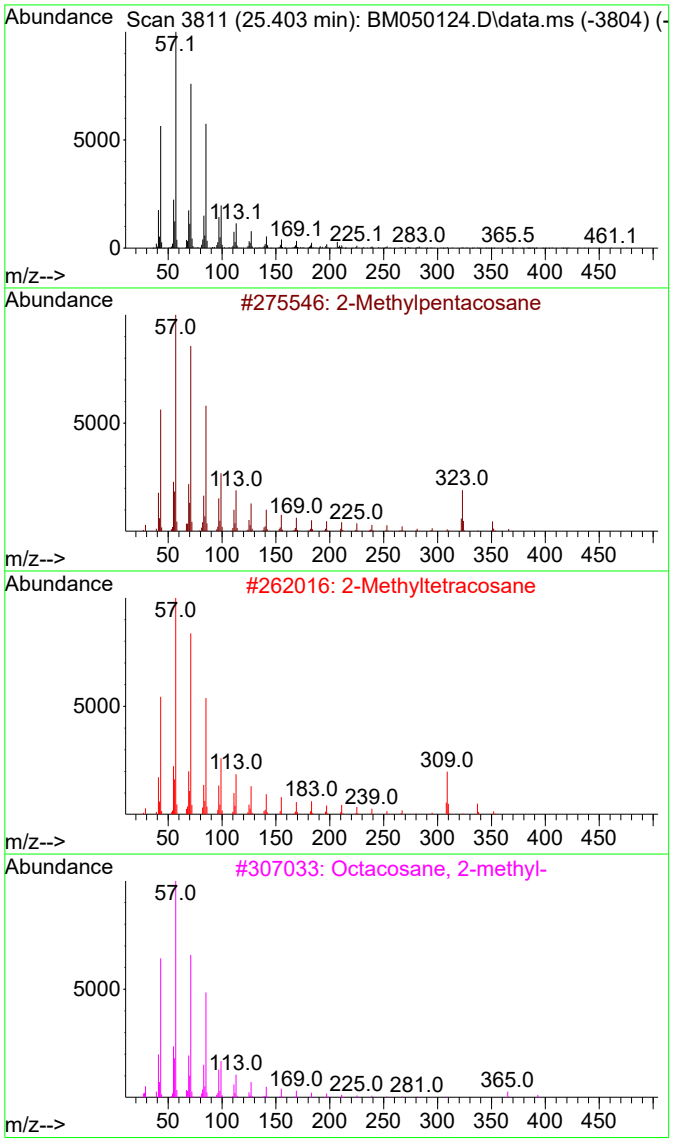
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

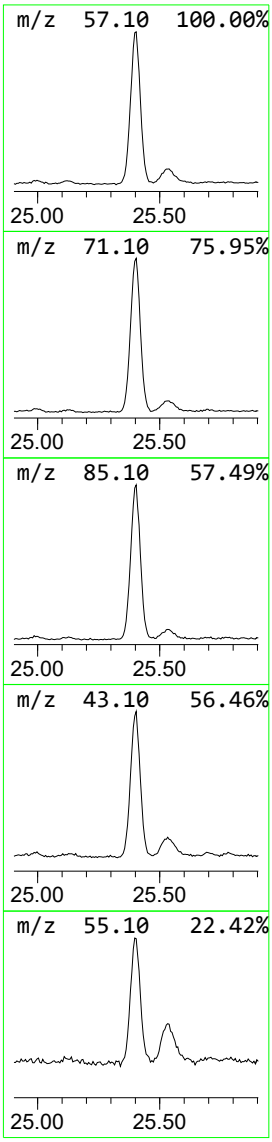
****

Peak Number 10 2-Methylpentacosane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.403	8.58 ng	2091290	Perylene-d12	24.374

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylpentacosane	366	C26H54	000629-87-8	94
2	2-Methyltetracosane	352	C25H52	001560-78-7	93
3	Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050124.D
Acq On : 06 May 2025 17:57
Operator : RC/JU
Sample : Q1938-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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
n-Hexadecanoic ...	18.039	4.7	ng	929453	4	17.139	3987160	20.0
Heneicosane	20.080	2.7	ng	538869	5	21.386	4039280	20.0
2-Pentenoic aci...	20.533	7.2	ng	1448410	5	21.386	4039280	20.0
Heptadecane	20.574	5.2	ng	1041240	5	21.386	4039280	20.0
Eicosane	21.056	6.8	ng	1377640	5	21.386	4039280	20.0
Tetracosane	21.568	5.2	ng	1051400	5	21.386	4039280	20.0
Eicosane, 9-octyl-	22.133	8.0	ng	1605750	5	21.386	4039280	20.0
Heptadecane, 9-...	22.768	5.3	ng	1078640	5	21.386	4039280	20.0
Docosane, 11-bu...	23.503	7.0	ng	1699440	6	24.374	4872110	20.0
2-Methylpentaco...	25.403	8.6	ng	2091290	6	24.374	4872110	20.0