

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
 Data File : BG057568.D
 Acq On : 25 May 2023 21:58
 Operator : CG/JU
 Sample : 02941-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EME-TOPSOIL-001

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_G\Methods\8270-BG042723.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057568.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.383	307	314	321	rBV	21125	32191	2.71%	0.484%
2	5.870	389	397	409	rBV	287724	473708	39.82%	7.122%
3	7.497	665	674	687	rBV	313242	552317	46.43%	8.304%
4	8.349	809	819	827	rBV	77118	126713	10.65%	1.905%
5	9.530	1013	1020	1029	rBV	183333	331472	27.87%	4.984%
6	11.187	1295	1302	1310	rBV	101814	180981	15.21%	2.721%
7	13.589	1701	1711	1718	rBV	526980	773192	65.00%	11.625%
8	14.964	1939	1945	1953	rBV	181314	278286	23.39%	4.184%
9	16.303	2164	2173	2179	rBV	87524	120199	10.10%	1.807%
10	16.450	2191	2198	2210	rVB	458766	690409	58.04%	10.381%
11	17.707	2406	2412	2422	rBV	238738	370670	31.16%	5.573%
12	18.541	2549	2554	2564	rBV3	38152	77742	6.54%	1.169%
13	19.740	2754	2758	2761	rBV	13350	18378	1.54%	0.276%
14	19.975	2794	2798	2801	rBV	19272	22159	1.86%	0.333%
15	20.098	2816	2819	2824	rVB	15055	22018	1.85%	0.331%
16	20.274	2843	2849	2856	rBV	944566	1189527	100.00%	17.885%
17	20.533	2890	2893	2898	rVB	22163	23908	2.01%	0.359%
18	21.038	2975	2979	2984	rVB	35409	42427	3.57%	0.638%
19	21.567	3064	3069	3076	rBV2	92639	144588	12.16%	2.174%
20	22.013	3138	3145	3151	rBV	205354	378263	31.80%	5.687%
21	22.142	3162	3167	3172	rVB	44561	67118	5.64%	1.009%
22	22.788	3272	3277	3289	rVB	52260	99521	8.37%	1.496%
23	23.529	3398	3403	3411	rVB2	40160	77927	6.55%	1.172%
24	24.392	3544	3550	3557	rVB2	58191	124595	10.47%	1.873%
25	25.514	3732	3741	3751	rVB	117554	351994	29.59%	5.292%
26	26.636	3927	3932	3942	rVB6	27073	80706	6.78%	1.213%

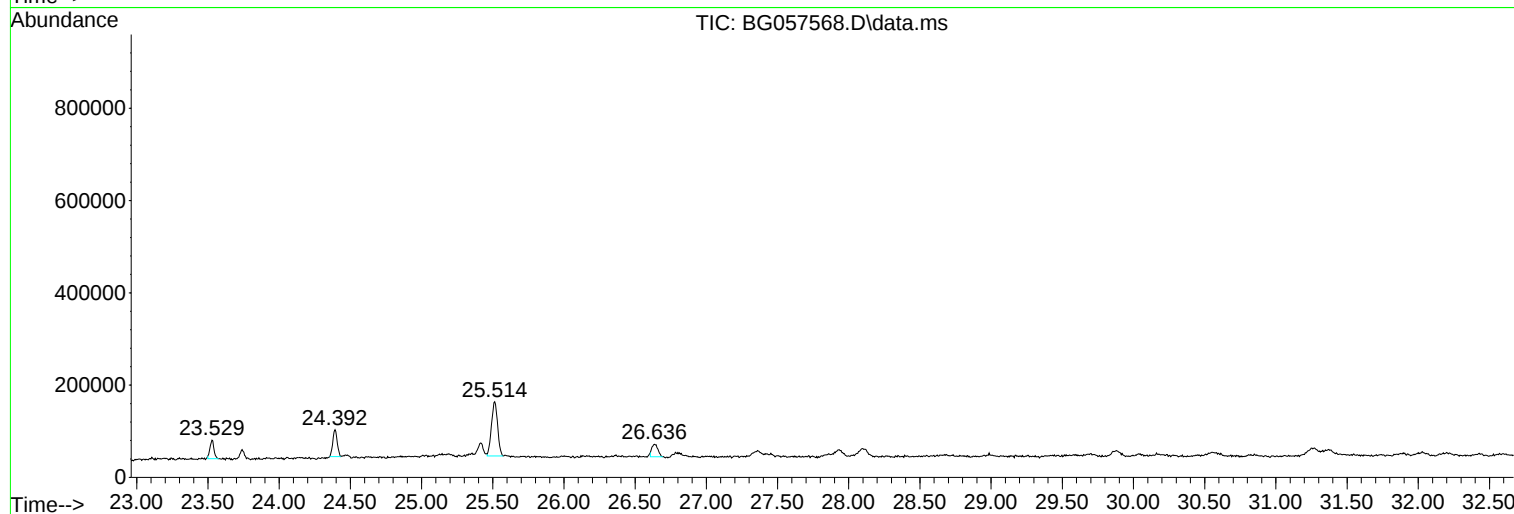
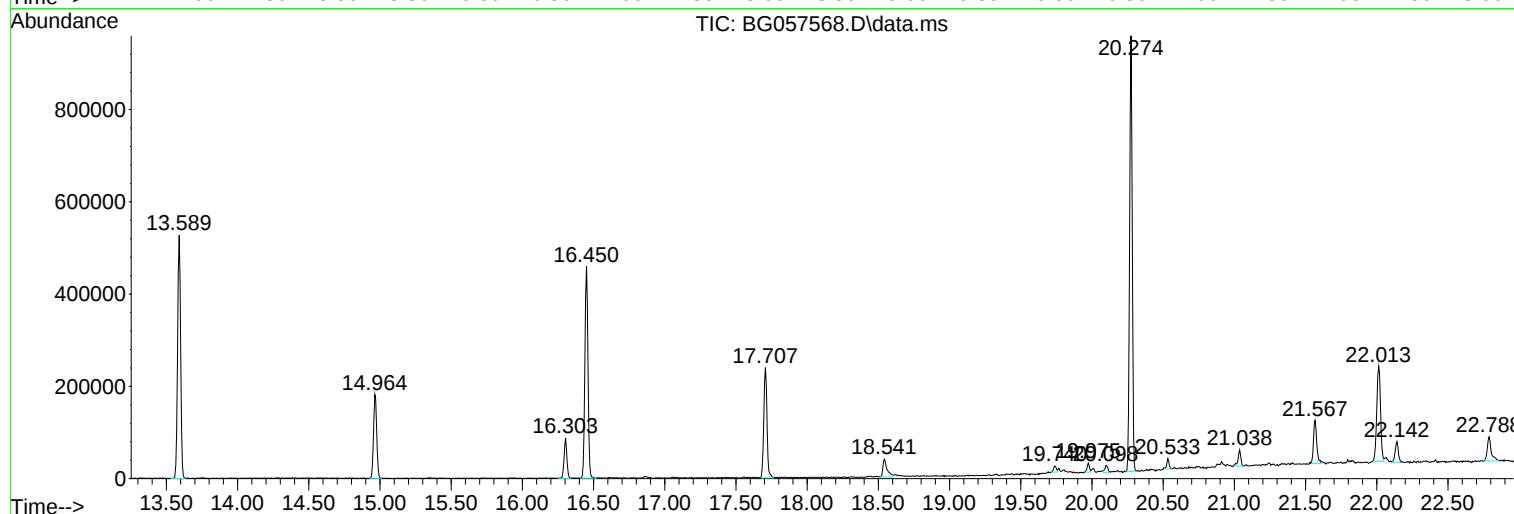
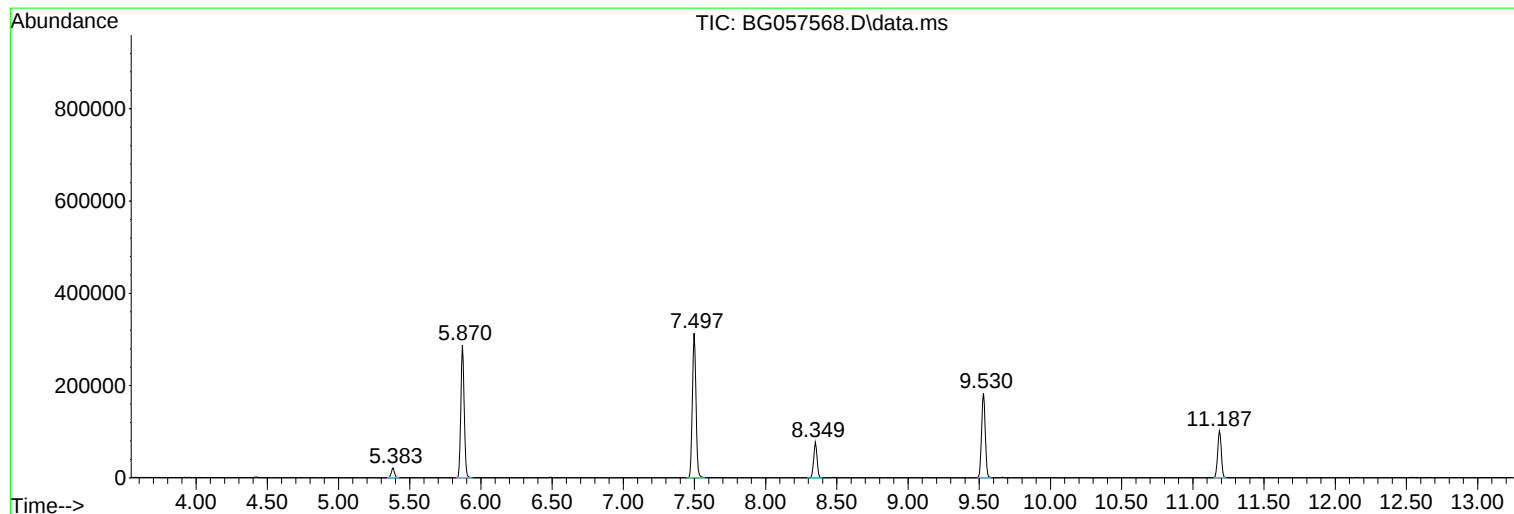
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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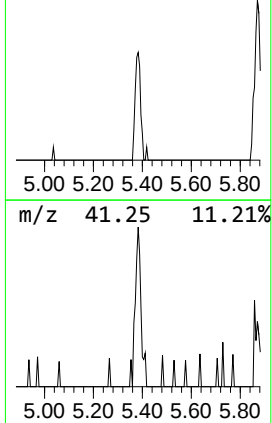
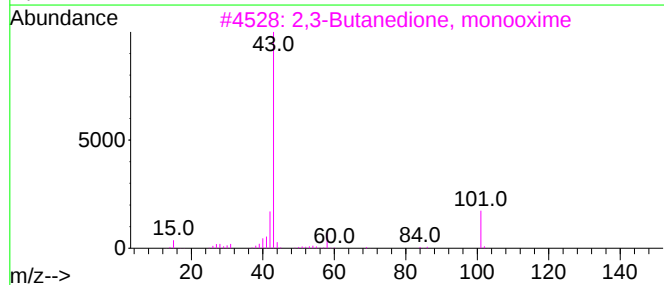
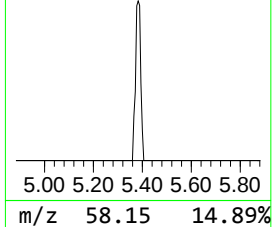
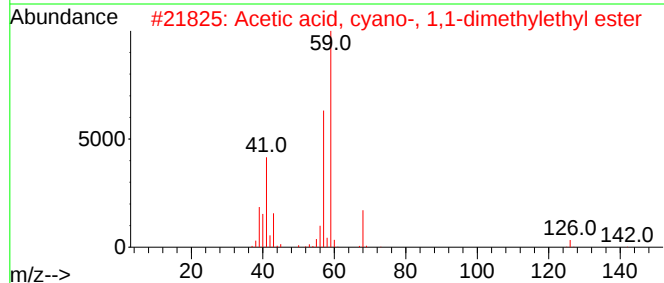
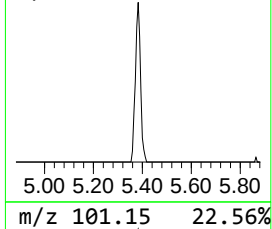
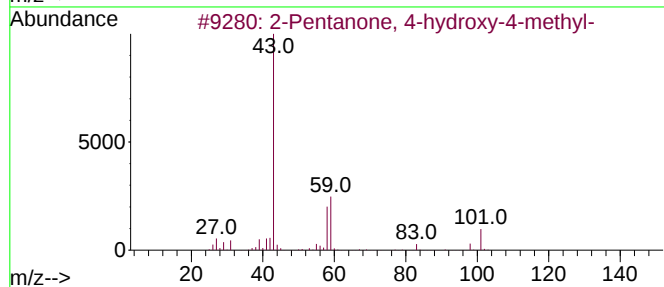
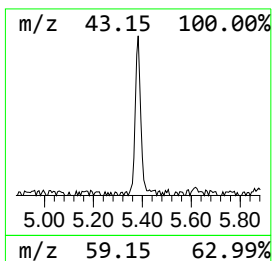
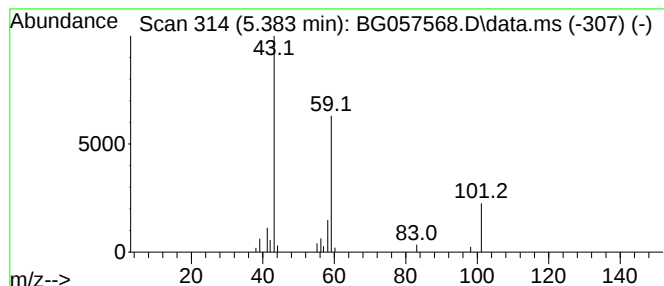
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.383	5.08 ng	32191	1,4-Dichlorobenzene-d4	8.349

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4		5-Hexen-2-one	98	C6H10O	000109-49-9	9
5		4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9



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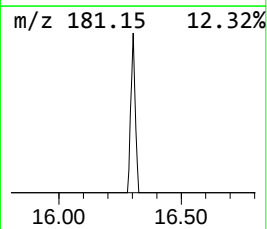
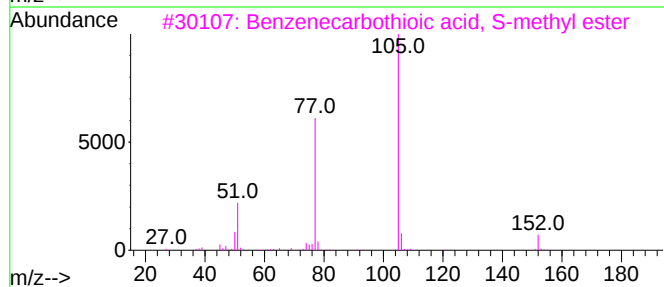
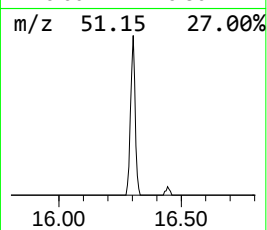
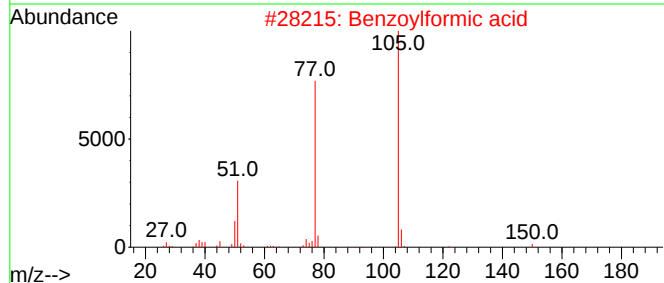
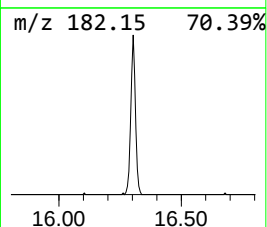
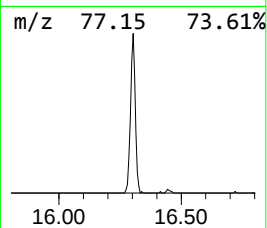
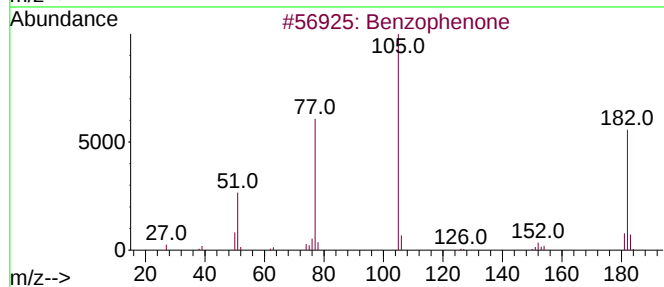
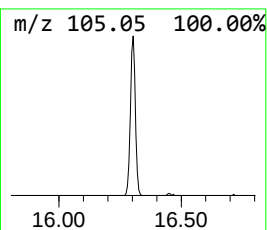
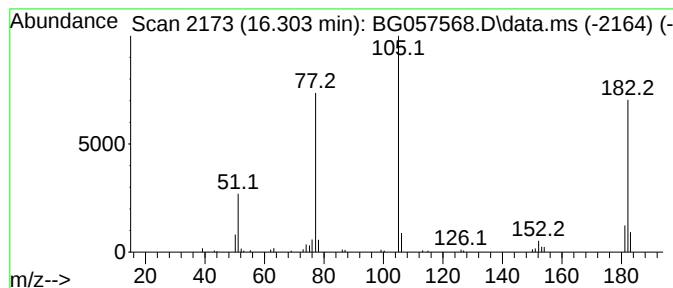
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Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.303	8.64 ng	120199	Acenaphthene-d10	14.964

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Benzoylformic acid	150	C8H6O3	000611-73-4	52
3			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
4			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	52
5			1-Butanone, 1-phenyl-	148	C10H12O	000495-40-9	50



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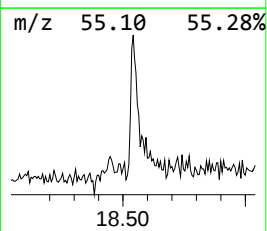
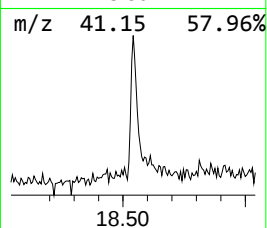
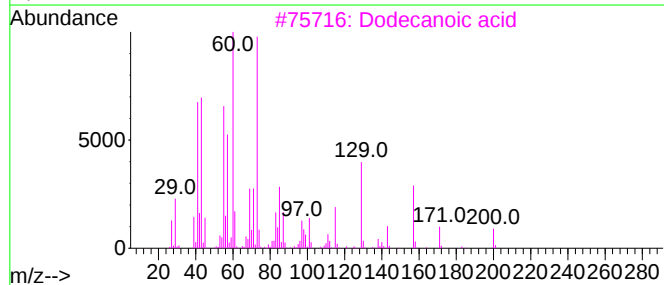
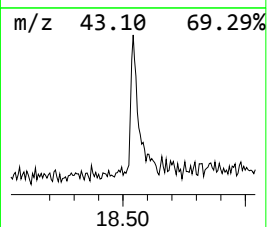
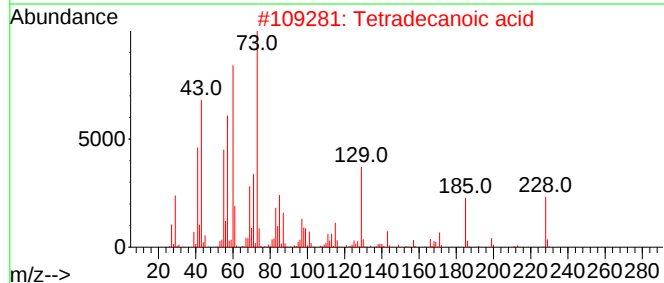
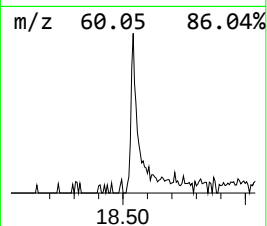
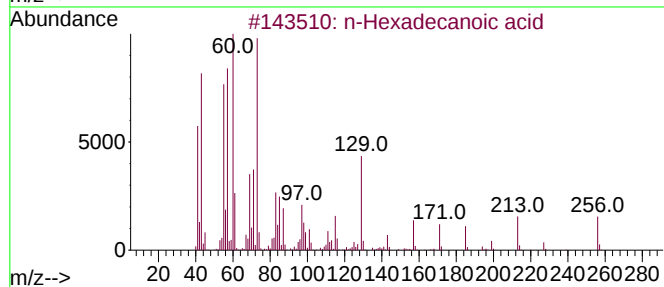
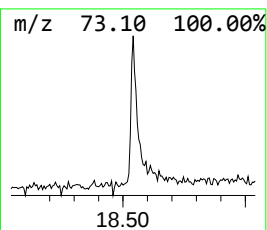
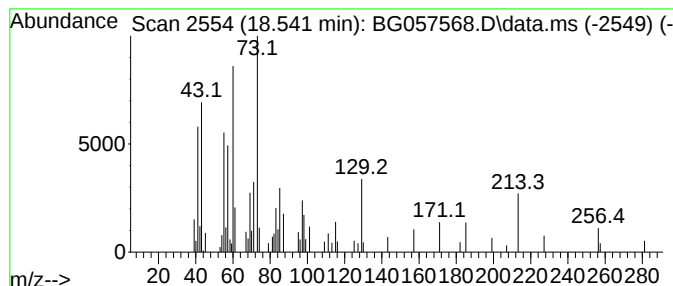
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.541	4.19 ng	77742	Phenanthrene-d10	17.707

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	64
3			Dodecanoic acid	200	C12H24O2	000143-07-7	64
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	58
5			Tridecanoic acid	214	C13H26O2	000638-53-9	53



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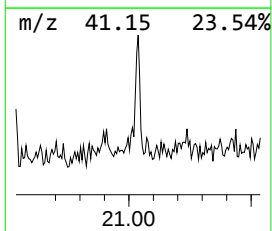
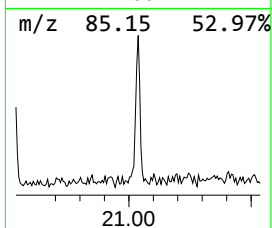
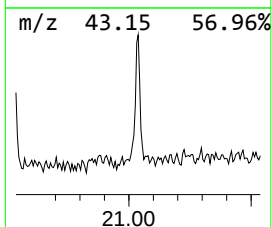
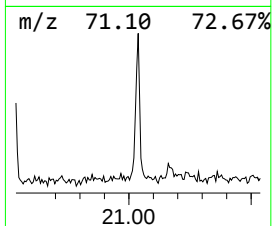
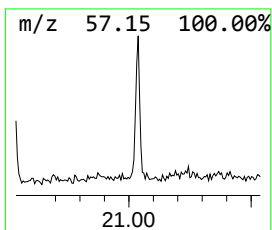
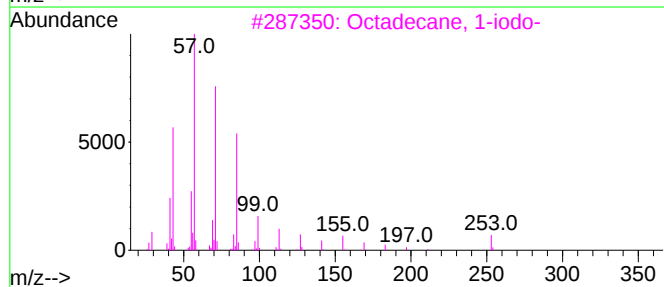
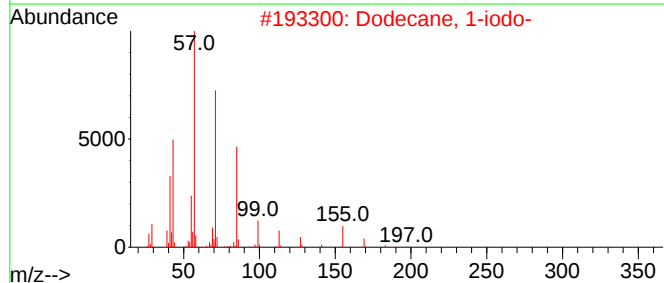
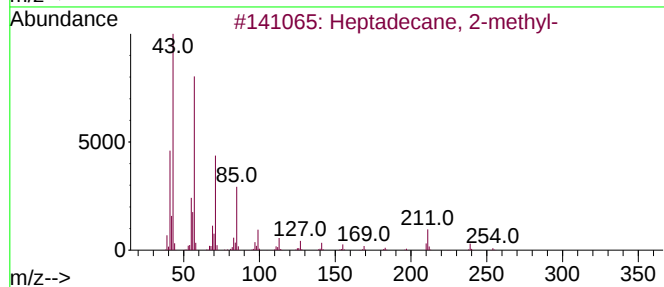
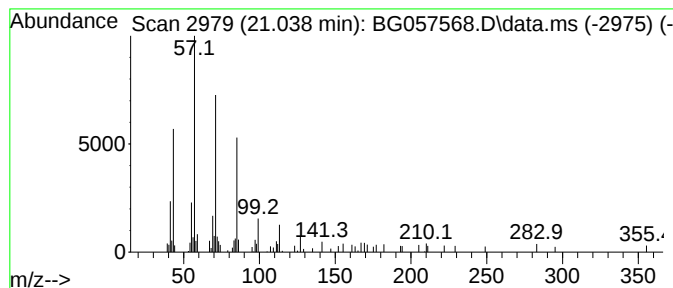
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TIC Library : C:\Database\NIST20.L
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Peak Number 4 Heptadecane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.038	2.24 ng	42427	Chrysene-d12	22.013

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane, 2-methyl-	254	C18H38	001560-89-0	86
2			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	83
3			Octadecane, 1-iodo-	380	C18H37I	000629-93-6	80
4			Eicosane, 1-iodo-	408	C20H41I	1000406-31-8	80
5			Octacosane, 2-methyl-	408	C29H60	001560-98-1	80



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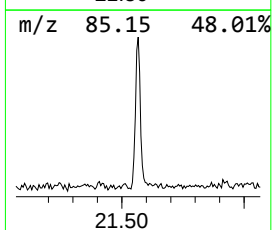
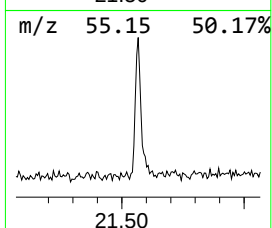
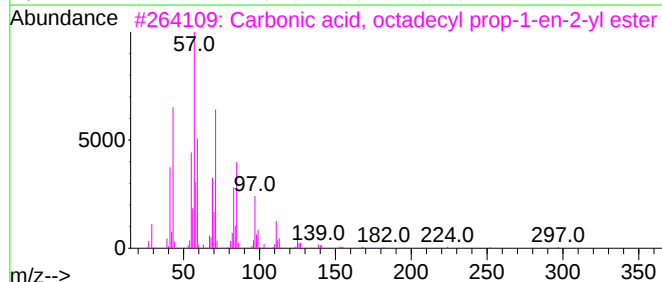
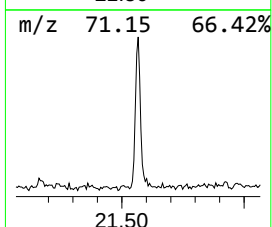
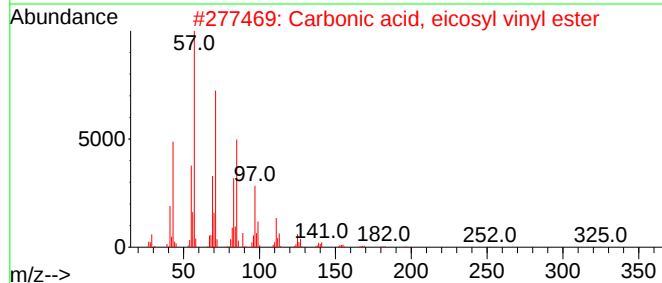
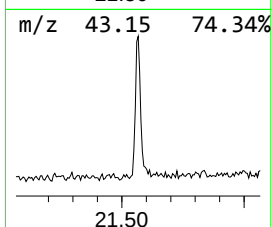
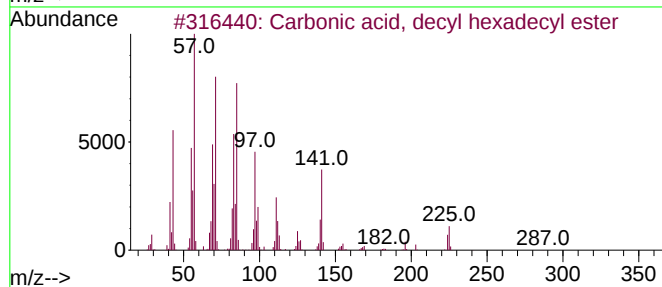
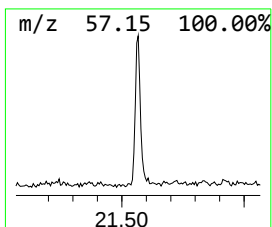
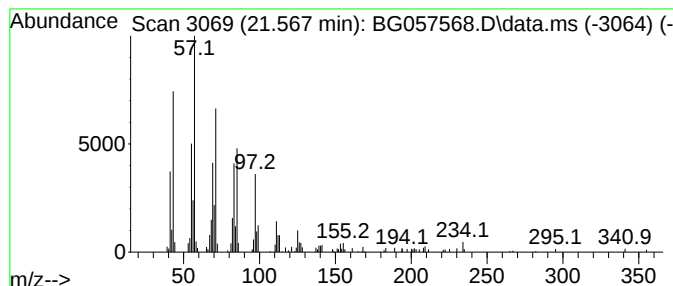
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Peak Number 5 Carbonic acid, decyl hexade... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.567	7.64 ng	144588	Chrysene-d12	22.013

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Carbonic acid, decyl hexadecyl e...	426	C27H54O3	1000383-16-5	91
2			Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	91
3			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	91
4			Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	91
5			Isobutyl tetracosyl ether	410	C28H58O	1000406-33-2	87



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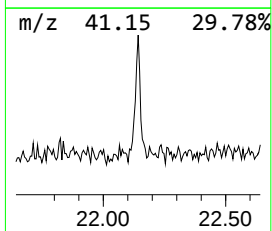
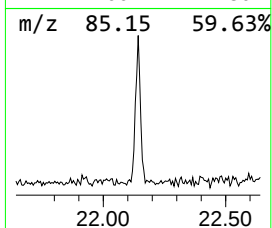
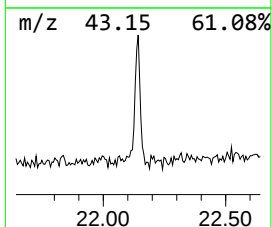
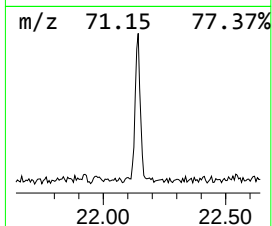
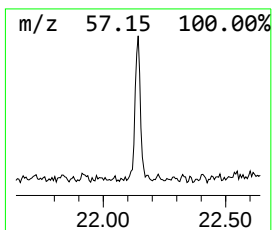
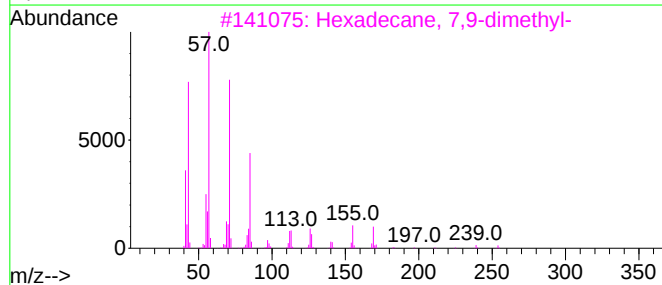
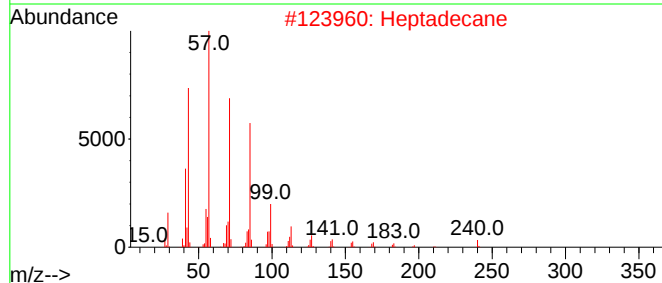
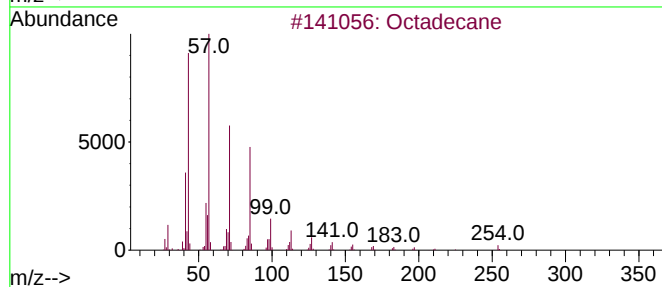
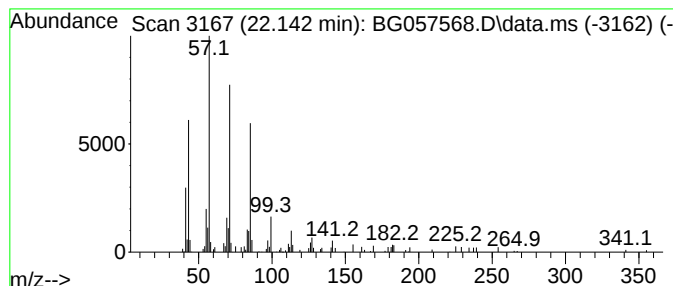
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.142	3.55 ng	67118	Chrysene-d12	22.013

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane	254	C18H38	000593-45-3	91
2			Heptadecane	240	C17H36	000629-78-7	91
3			Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	90
4			Pentacosane	352	C25H52	000629-99-2	90
5			Eicosane	282	C20H42	000112-95-8	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057568.D
Acq On : 25 May 2023 21:58
Operator : CG/JU
Sample : 02941-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EME-TOPSOIL-001

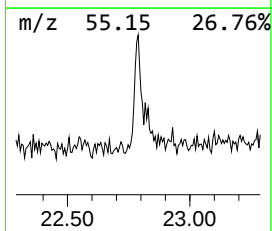
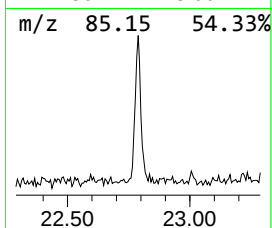
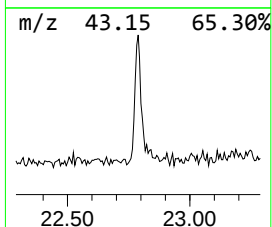
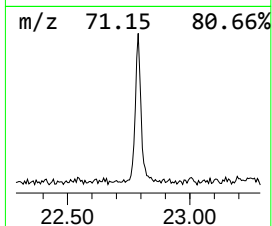
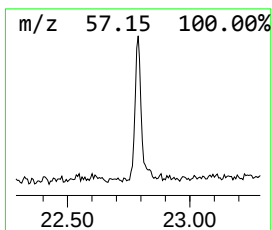
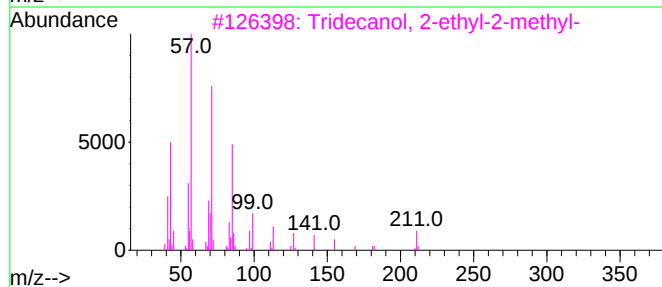
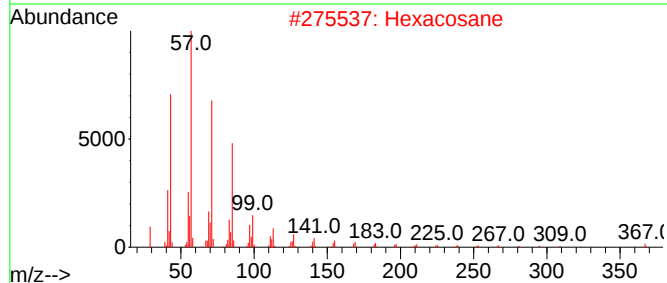
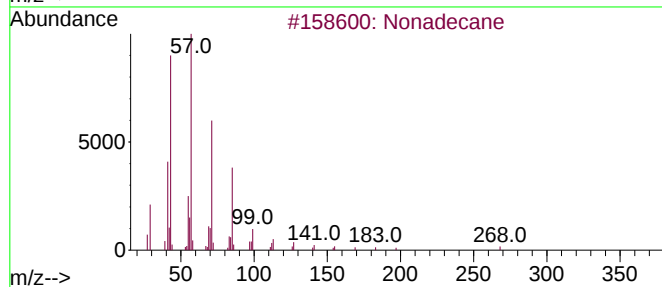
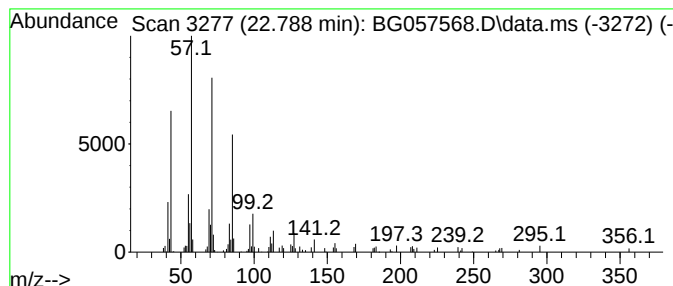
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Nonadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.788	5.26 ng	99521	Chrysene-d12	22.013

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	93
2			Hexacosane	366	C26H54	000630-01-3	91
3			Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1010115-66-1	91
4			Tetracosane	338	C24H50	000646-31-1	91
5			Docosane, 7-hexyl-	394	C28H58	055373-86-9	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057568.D
Acq On : 25 May 2023 21:58
Operator : CG/JU
Sample : 02941-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EME-TOPSOIL-001

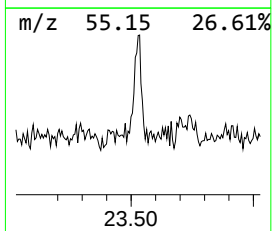
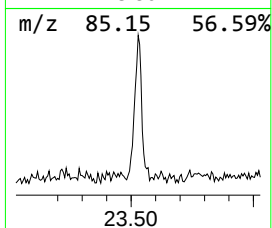
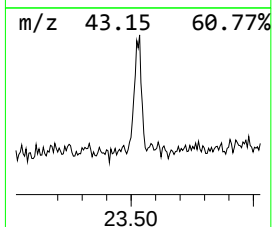
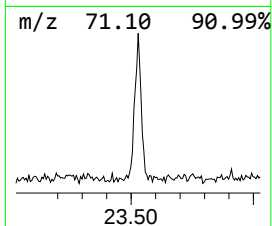
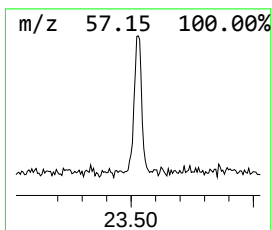
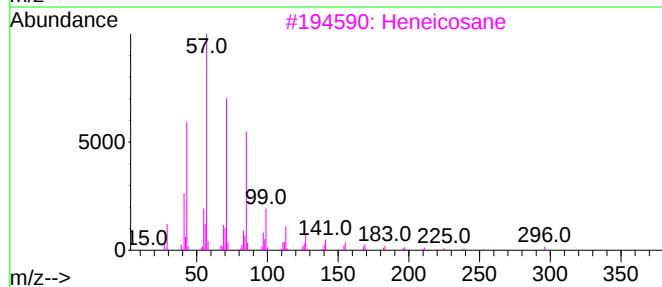
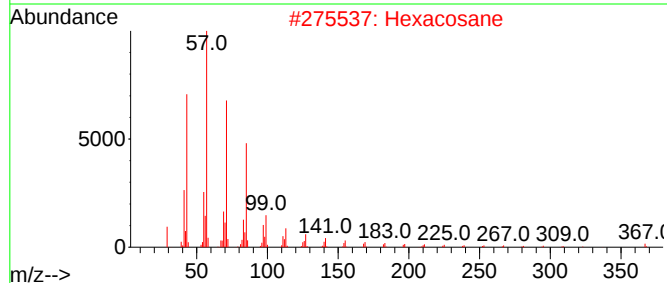
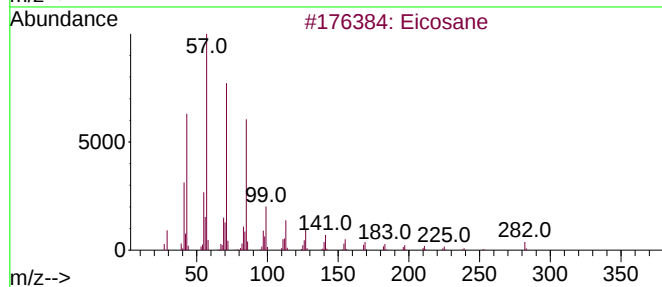
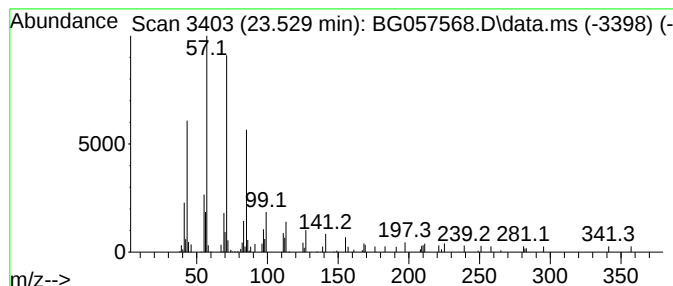
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Eicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.529	4.12 ng	77927	Chrysene-d12	22.013

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	94
2			Hexacosane	366	C26H54	000630-01-3	91
3			Heneicosane	296	C21H44	000629-94-7	91
4			Heptacosane	380	C27H56	000593-49-7	91
5			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057568.D
Acq On : 25 May 2023 21:58
Operator : CG/JU
Sample : 02941-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EME-TOPSOIL-001

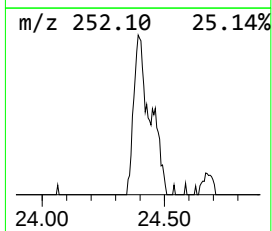
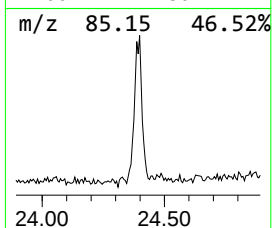
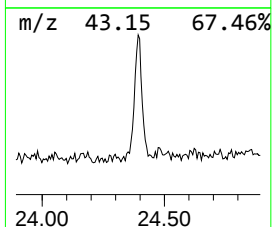
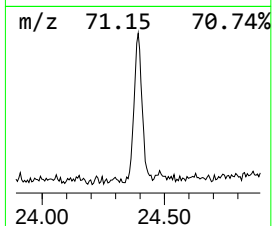
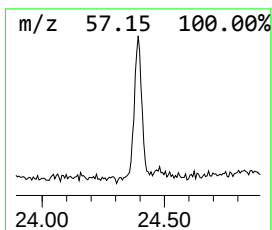
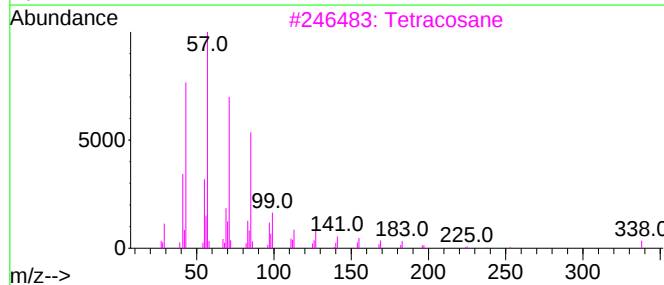
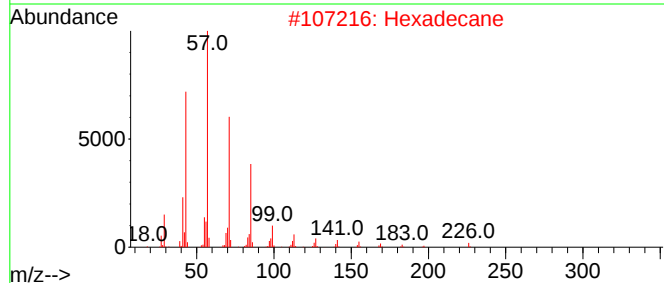
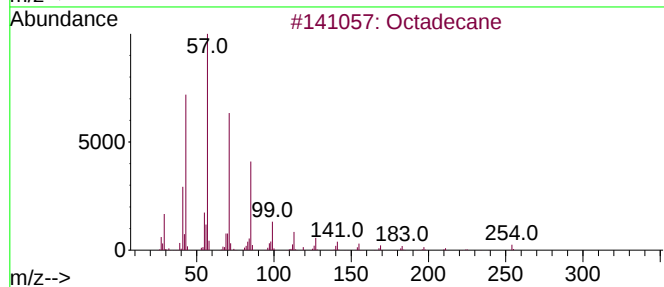
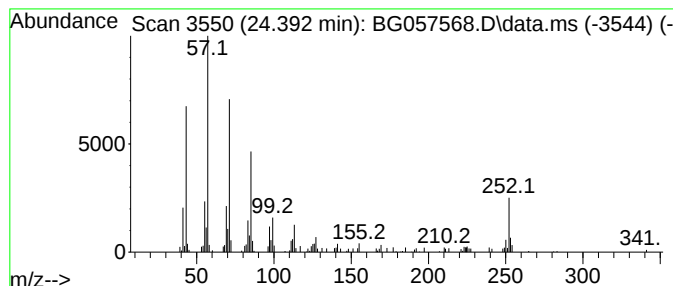
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.392	7.08 ng	124595	Perylene-d12	25.514

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecane	254	C18H38	000593-45-3	97
2		Hexadecane	226	C16H34	000544-76-3	86
3		Tetracosane	338	C24H50	000646-31-1	81
4		Hentriacontane	437	C31H64	000630-04-6	81
5		Heneicosane	296	C21H44	000629-94-7	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057568.D
Acq On : 25 May 2023 21:58
Operator : CG/JU
Sample : 02941-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EME-TOPSOIL-001

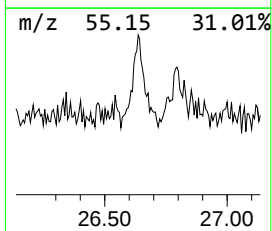
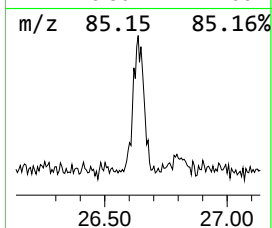
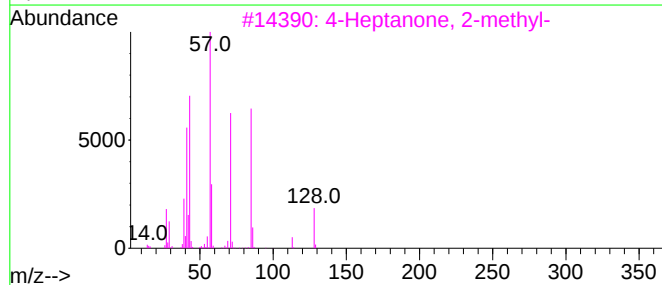
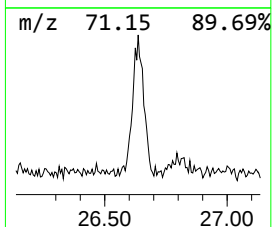
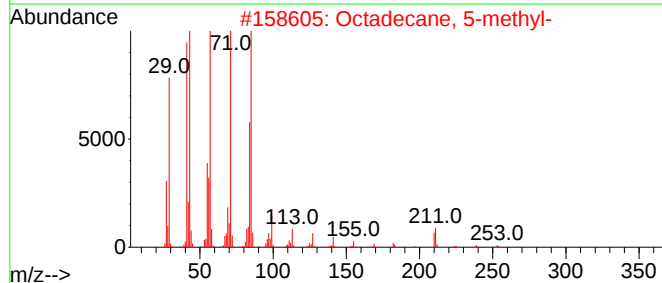
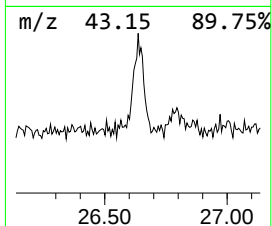
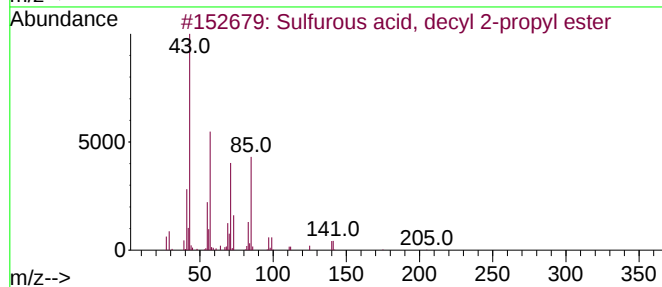
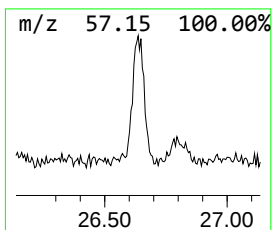
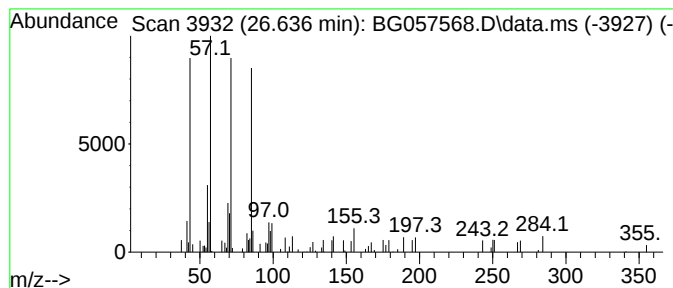
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Sulfurous acid, decyl 2-pro... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.636	4.59 ng	80706	Perylene-d12	25.514

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, decyl 2-propyl e...	264	C13H28O3S	1000309-12-1	64
2			Octadecane, 5-methyl-	268	C19H40	025117-35-5	64
3			4-Heptanone, 2-methyl-	128	C8H16O	000626-33-5	59
4			Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	59
5			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057568.D
Acq On : 25 May 2023 21:58
Operator : CG/JU
Sample : 02941-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
EME-TOPSOIL-001

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Benzophenone	16.303	8.6	ng	120199	3	14.964	278286	20.0
n-Hexadecanoic ...	18.541	4.2	ng	77742	4	17.707	370670	20.0
Heptadecane, 2-...	21.038	2.2	ng	42427	5	22.013	378263	20.0
Carbonic acid, ...	21.567	7.6	ng	144588	5	22.013	378263	20.0
Octadecane	22.142	3.5	ng	67118	5	22.013	378263	20.0
Nonadecane	22.788	5.3	ng	99521	5	22.013	378263	20.0
Eicosane	23.529	4.1	ng	77927	5	22.013	378263	20.0
Hexadecane	24.392	7.1	ng	124595	6	25.514	351994	20.0
Sulfurous acid,...	26.636	4.6	ng	80706	6	25.514	351994	20.0