

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
 Data File : BG057709.D
 Acq On : 14 Jun 2023 15:50
 Operator : CG/JU
 Sample : 03141-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CMC-EME-Topsoil-004

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-BG061323.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057709.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.131	3	7	12	rVB	106942	154682	8.64%	0.962%
2	5.047	328	333	341	rBV	16062	23979	1.34%	0.149%
3	5.511	405	412	422	rVB	491777	764429	42.70%	4.752%
4	7.091	673	681	694	rBV	493743	825352	46.11%	5.130%
5	7.938	818	825	832	rBV	143704	237561	13.27%	1.477%
6	9.095	1014	1022	1031	rBV	257858	445963	24.91%	2.772%
7	10.740	1293	1302	1310	rVB	199726	361960	20.22%	2.250%
8	13.196	1711	1720	1727	rBV	661395	976327	54.54%	6.069%
9	14.571	1948	1954	1961	rVB	296407	454039	25.36%	2.822%
10	15.922	2178	2184	2191	rVB	87748	127771	7.14%	0.794%
11	16.052	2200	2206	2214	rBV	500798	763157	42.63%	4.744%
12	17.315	2414	2421	2426	rBV	378034	565104	31.57%	3.513%
13	17.403	2432	2436	2440	rVV2	19890	24855	1.39%	0.154%
14	18.208	2567	2573	2582	rBV2	74578	116526	6.51%	0.724%
15	19.101	2720	2725	2728	rBV7	12035	18072	1.01%	0.112%
16	19.136	2728	2731	2738	rVB	14025	18906	1.06%	0.118%
17	19.365	2766	2770	2777	rVV	37090	51741	2.89%	0.322%
18	19.424	2777	2780	2784	rVB2	16099	20561	1.15%	0.128%
19	19.477	2786	2789	2793	rBV4	22308	26267	1.47%	0.163%
20	19.665	2817	2821	2825	rBV	72635	84733	4.73%	0.527%
21	19.718	2825	2830	2836	rVB2	58828	104672	5.85%	0.651%
22	19.929	2861	2866	2871	rVV	902513	1218507	68.07%	7.574%
23	19.971	2871	2873	2877	rVB3	18374	18236	1.02%	0.113%
24	20.076	2885	2891	2896	rBV6	10429	19838	1.11%	0.123%
25	20.247	2916	2920	2924	rVB	132497	140344	7.84%	0.872%
26	20.570	2970	2975	2979	rVB7	21986	30752	1.72%	0.191%
27	20.676	2989	2993	2997	rBV3	17334	25352	1.42%	0.158%
28	20.740	2997	3004	3009	rVB	204163	272935	15.25%	1.697%
29	21.198	3077	3082	3083	rBV3	57879	70702	3.95%	0.439%
30	21.240	3084	3089	3097	rVB2	325279	532424	29.74%	3.310%
31	21.569	3138	3145	3151	rBV2	360343	594166	33.19%	3.693%
32	21.780	3161	3181	3209	rVB	433054	1790036	100.00%	11.127%
33	22.385	3277	3284	3294	rBV	282275	506807	28.31%	3.150%
34	23.067	3392	3400	3411	rVB	228732	445639	24.90%	2.770%
35	23.255	3425	3432	3439	rBV2	65257	126359	7.06%	0.785%
36	23.866	3528	3536	3552	rBV	264906	592182	33.08%	3.681%

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37	24.442	3628	3634	3639	rBV7	12557	29703	1.66%	0.185%
38	24.565	3652	3655	3664	rVB6	11673	26162	1.46%	0.163%
39	24.736	3674	3684	3690	rBV	207983	571202	31.91%	3.551%
40	24.806	3690	3696	3706	rVB2	146343	374841	20.94%	2.330%
41	25.617	3832	3834	3842	rVB7	13386	25429	1.42%	0.158%
42	25.934	3878	3888	3898	rBV2	129025	392560	21.93%	2.440%
43	26.040	3901	3906	3918	rVB9	29869	87490	4.89%	0.544%
44	26.475	3970	3980	3991	rBV6	81644	258579	14.45%	1.607%
45	26.915	4047	4055	4061	rBV10	29586	94416	5.27%	0.587%
46	26.998	4063	4069	4080	rVB5	73313	238626	13.33%	1.483%
47	27.274	4105	4116	4129	rVB3	72861	261292	14.60%	1.624%
48	28.907	4381	4394	4405	rBV4	60462	254533	14.22%	1.582%
49	29.365	4461	4472	4492	rVB4	69606	333106	18.61%	2.071%
50	30.000	4567	4580	4590	rBV4	79753	376229	21.02%	2.339%
51	30.117	4592	4600	4602	rBV7	36488	87670	4.90%	0.545%
52	30.840	4710	4723	4724	rBV7	45486	124715	6.97%	0.775%

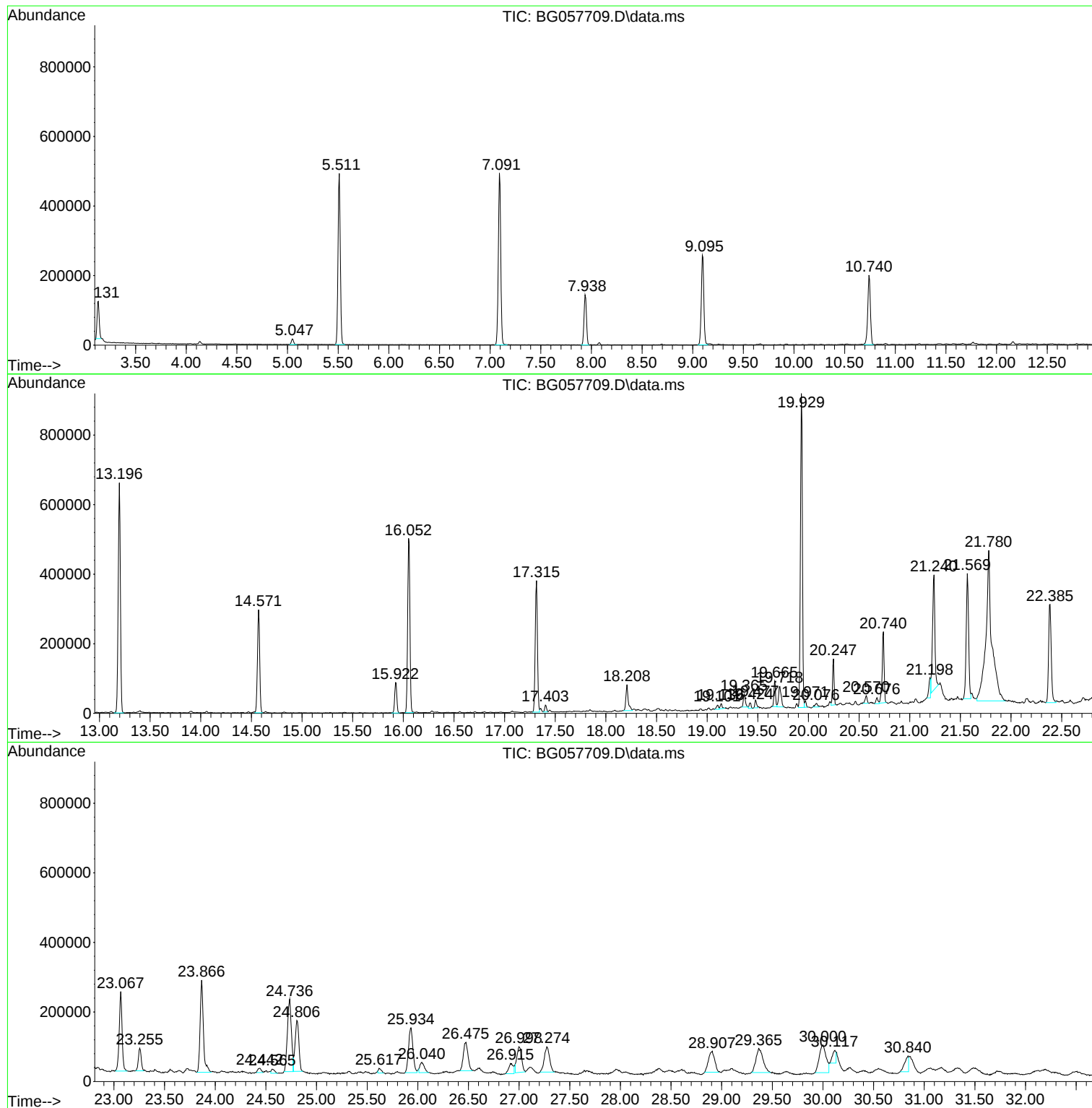
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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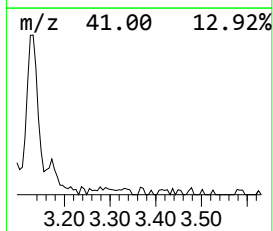
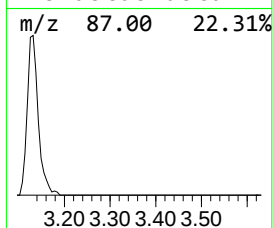
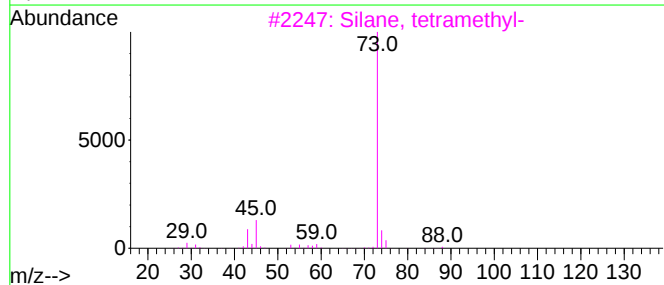
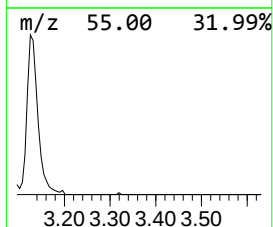
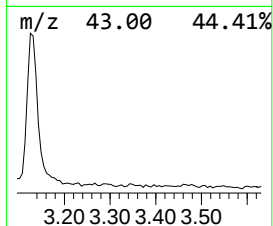
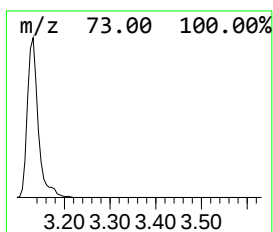
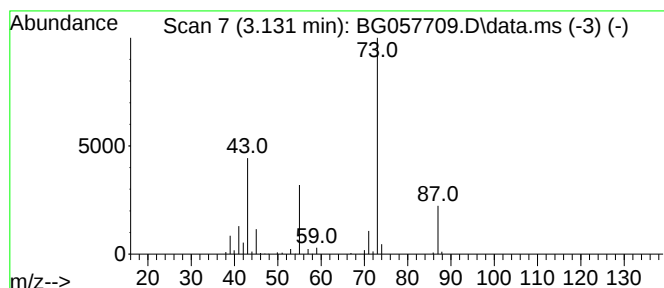
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.131	13.02 ng	154682	1,4-Dichlorobenzene-d4	7.938

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4			Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	36
5			1,3-Dioxolane, 2-propyl-	116	C6H12O2	003390-13-4	23



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Instrument :
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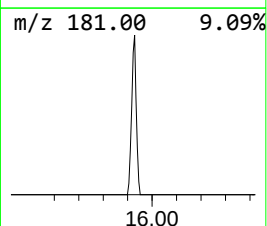
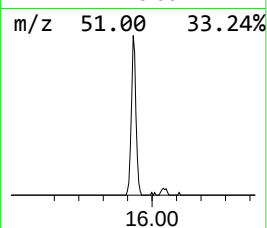
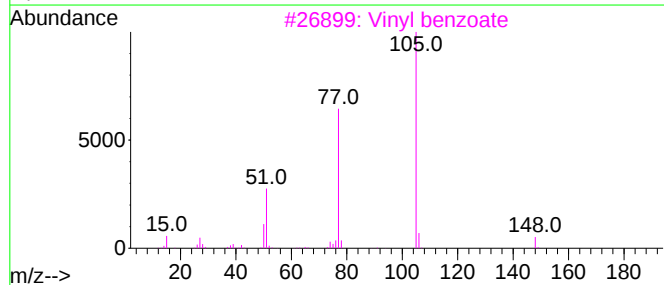
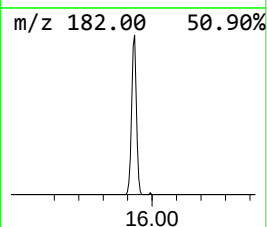
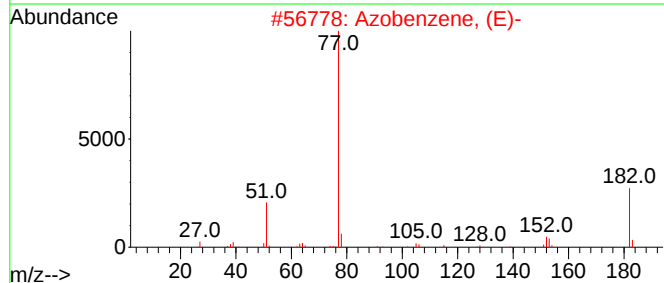
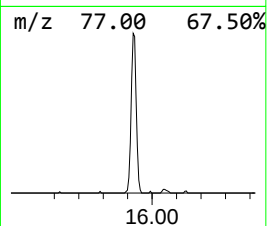
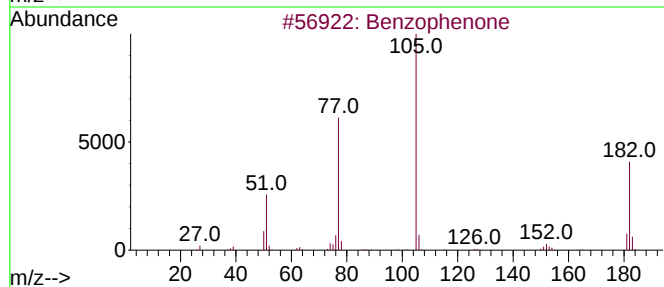
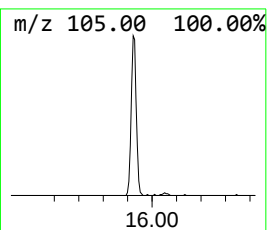
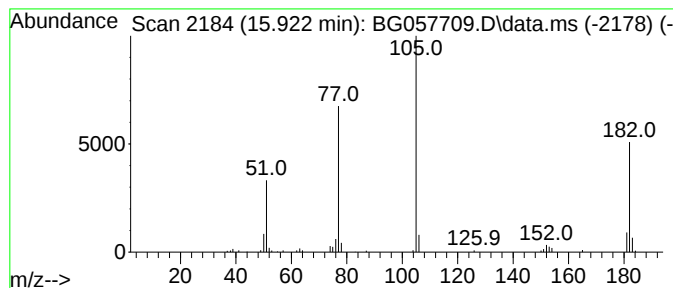
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.922	5.63 ng	127771	Acenaphthene-d10	14.571

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene, (E)-	182	C12H10N2	017082-12-1	53
3			Vinyl benzoate	148	C9H8O2	000769-78-8	47
4			2-Benzoyl-4-bromo-5-methyl-1,2-o...	281	C11H8BrNO3	1000444-92-3	47
5			Methyl 2-benzoyl-4-cyanobutanoate	231	C13H13NO3	1010486-83-8	47



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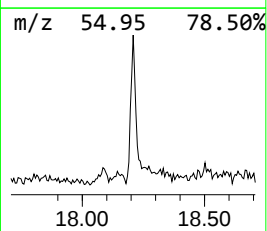
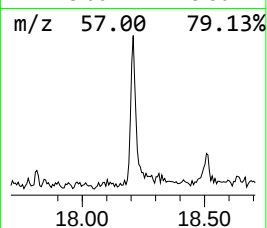
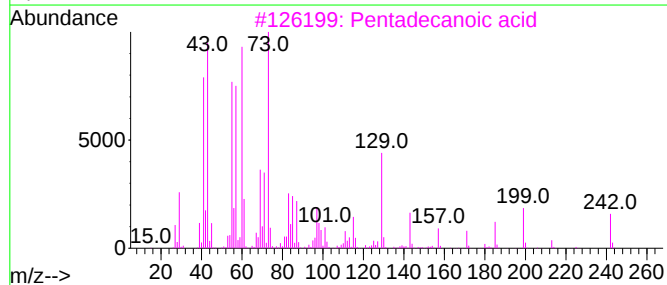
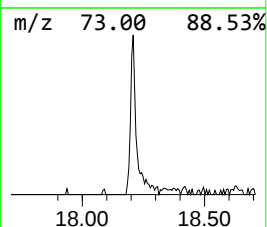
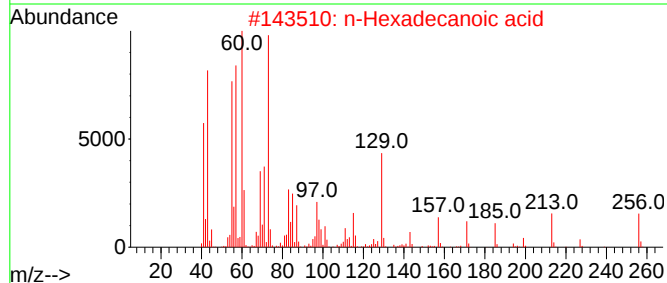
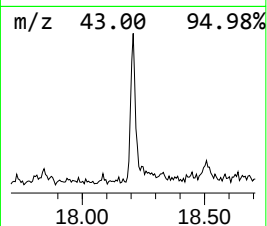
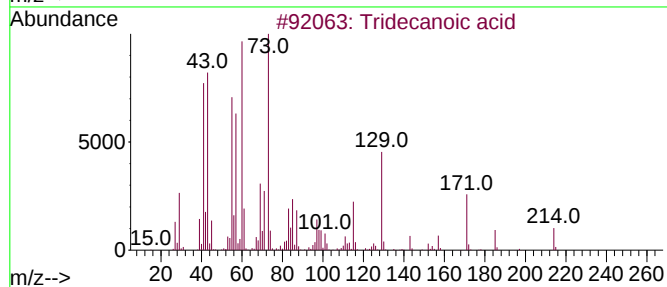
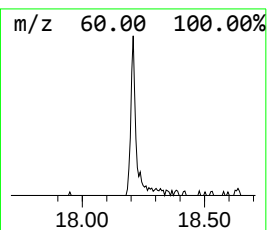
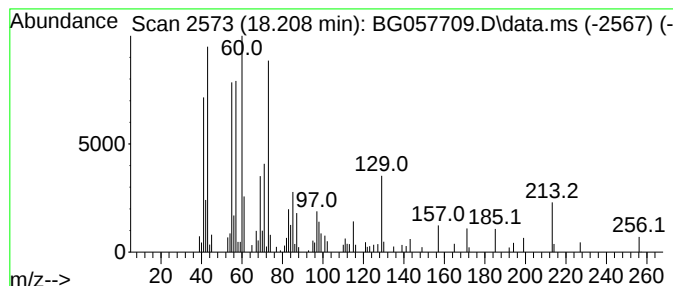
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TIC Library : C:\Database\NIST20.L
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Peak Number 3 Tridecanoic acid Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.208	4.12 ng	116526	Phenanthrene-d10	17.315

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecanoic acid	214	C13H26O2	000638-53-9	90
2			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5			n-Decanoic acid	172	C10H20O2	000334-48-5	53



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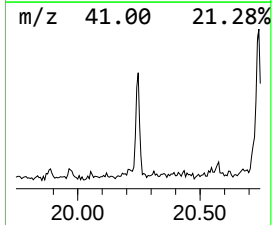
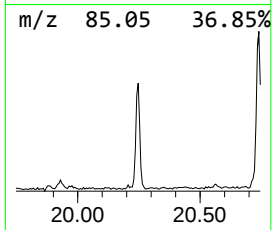
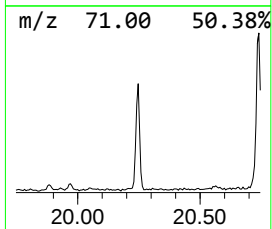
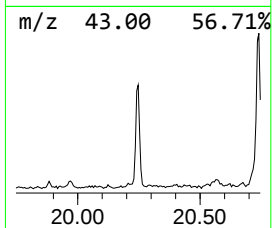
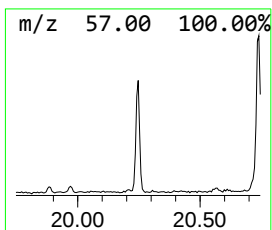
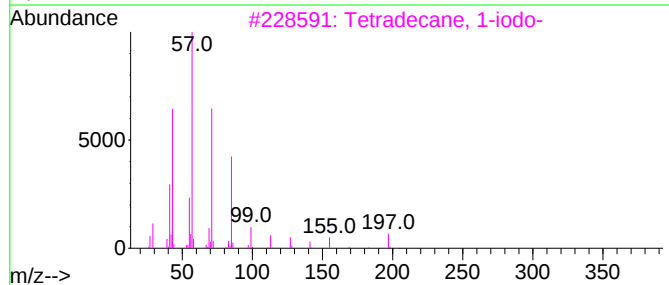
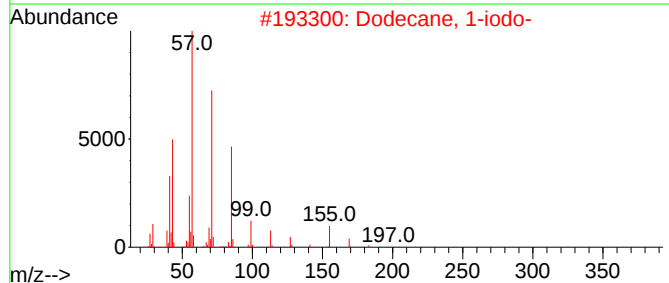
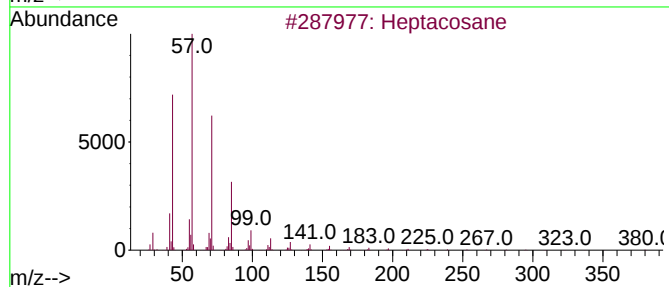
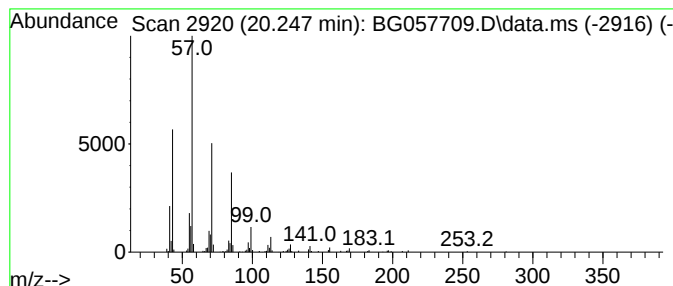
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TIC Library : C:\Database\NIST20.L
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Peak Number 4 Heptacosane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.247	4.72 ng	140344	Chrysene-d12	21.569

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptacosane	380	C27H56	000593-49-7	91
2			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
3			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	86
4			Pentacosane	352	C25H52	000629-99-2	83
5			Eicosane	282	C20H42	000112-95-8	83



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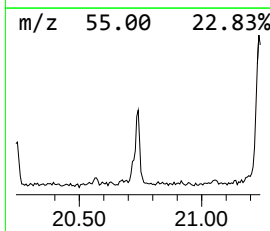
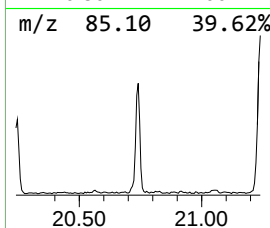
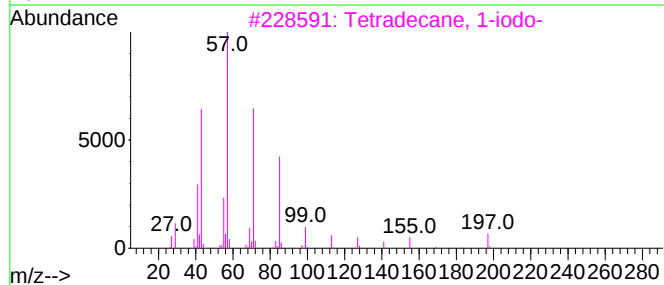
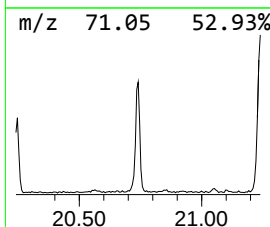
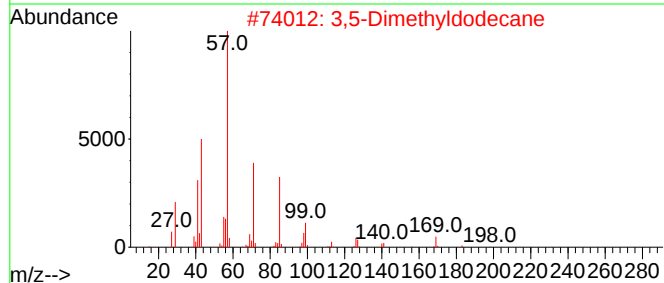
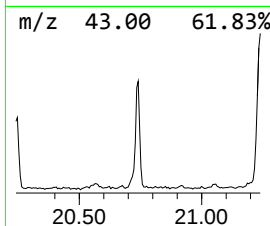
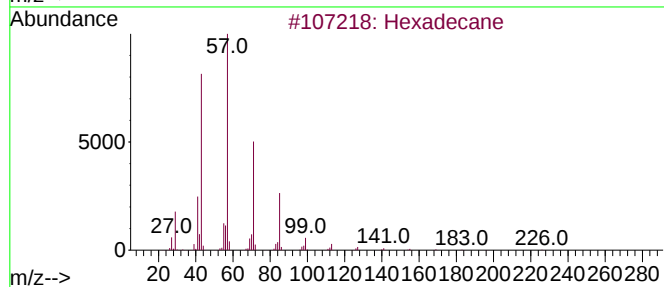
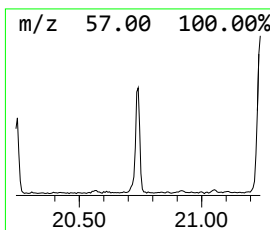
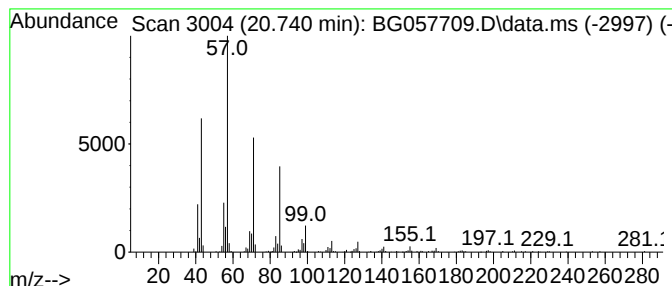
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.740	9.19 ng	272935	Chrysene-d12	21.569

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	90
2			3,5-Dimethyldodecane	198	C14H30	107770-99-0	90
3			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	87
4			Tridecane, 7-hexyl-	268	C19H40	007225-66-3	80
5			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
Data File : BG057709.D
Acq On : 14 Jun 2023 15:50
Operator : CG/JU
Sample : 03141-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

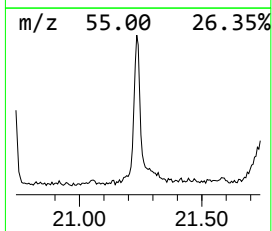
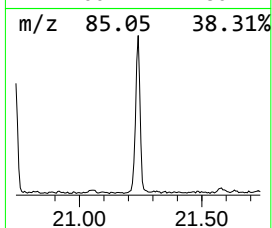
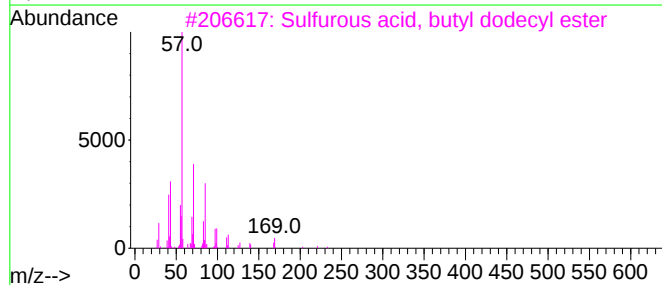
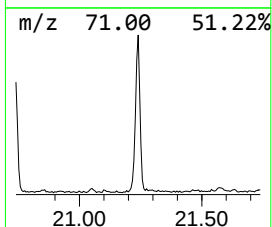
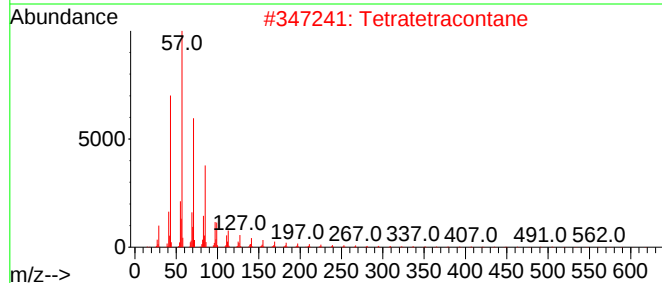
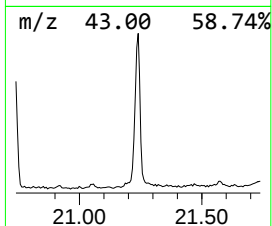
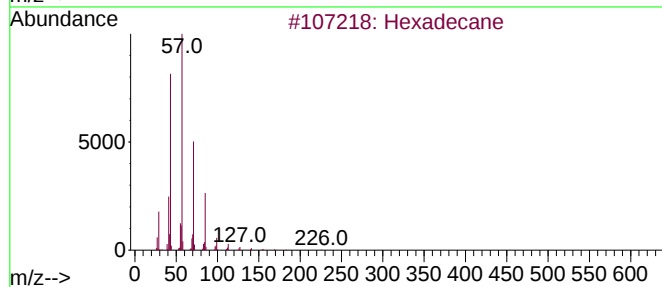
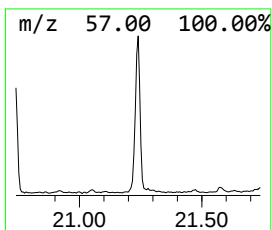
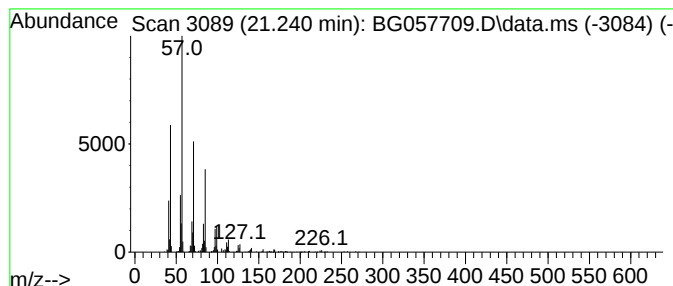
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tetratetracontane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.240	17.92 ng	532424	Chrysene-d12	21.569

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	93
2			Tetratetracontane	619	C44H90	007098-22-8	90
3			Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	90
4			Hexacosane	366	C26H54	000630-01-3	90
5			10-Methylnonadecane	282	C20H42	056862-62-5	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
Data File : BG057709.D
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Sample : 03141-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CMC-EME-Topsoil-004

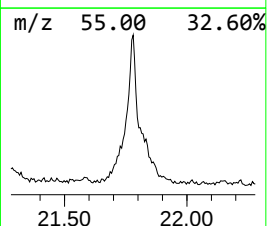
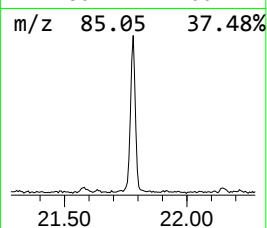
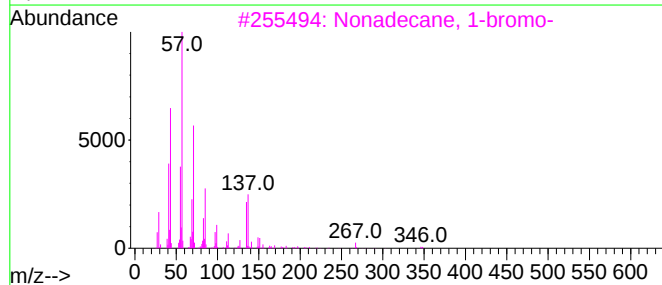
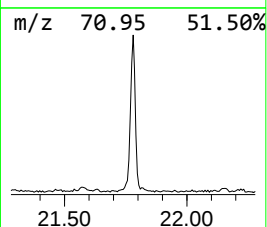
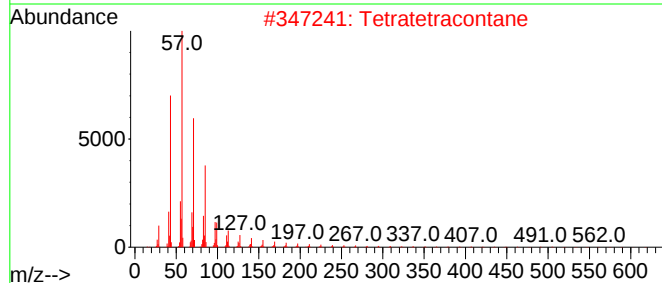
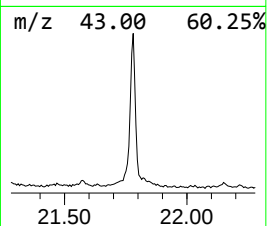
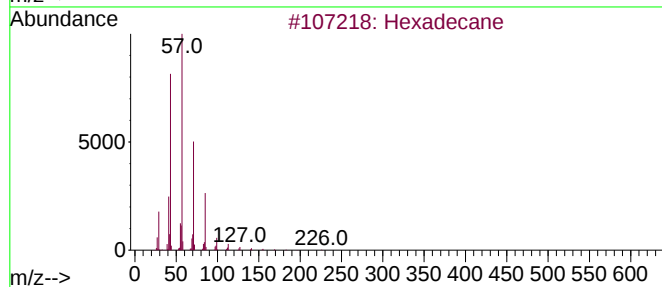
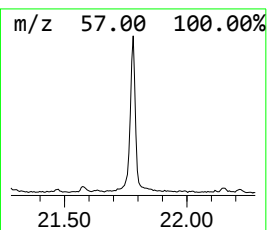
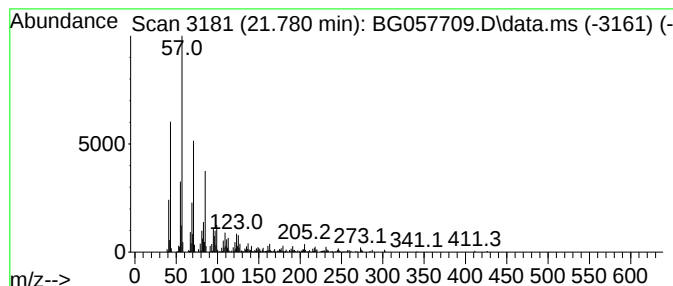
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Nonadecane, 1-bromo- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.780	60.25 ng	1790040	Chrysene-d12	21.569

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	93
2			Tetratetracontane	619	C44H90	007098-22-8	81
3			Nonadecane, 1-bromo-	346	C19H39Br	004434-66-6	72
4			Pentadecane, 7-methyl-	226	C16H34	006165-40-8	70
5			Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
Data File : BG057709.D
Acq On : 14 Jun 2023 15:50
Operator : CG/JU
Sample : 03141-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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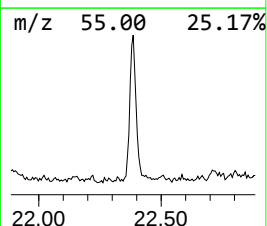
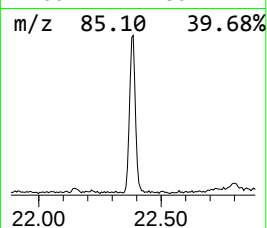
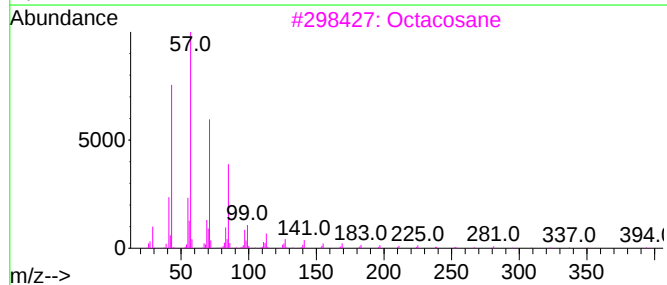
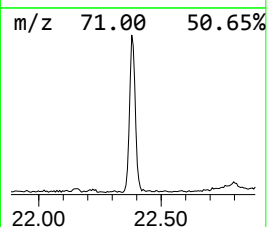
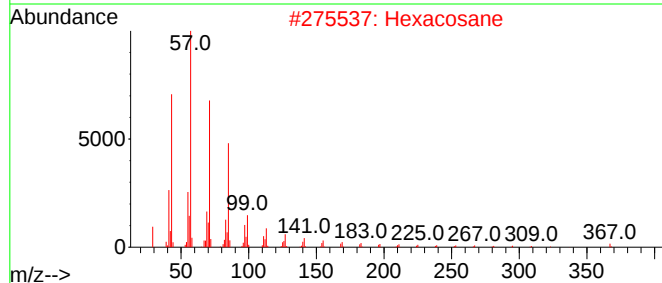
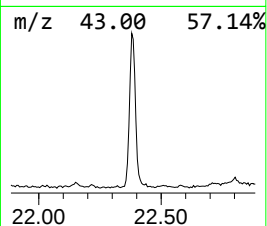
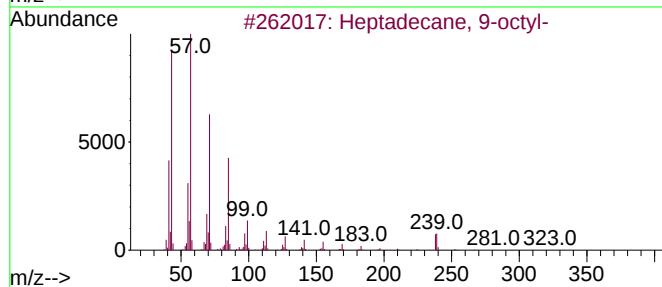
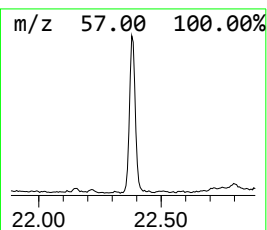
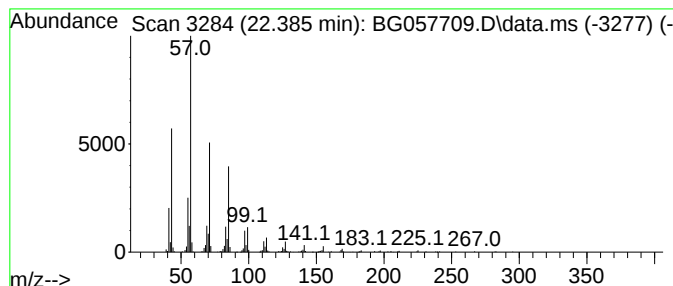
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heptadecane, 9-octyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.385	17.06 ng	506807	Chrysene-d12	21.569

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
2		Hexacosane	366	C26H54	000630-01-3	91
3		Octacosane	394	C28H58	000630-02-4	90
4		Pentacosane	352	C25H52	000629-99-2	90
5		Tetracosane	338	C24H50	000646-31-1	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
Data File : BG057709.D
Acq On : 14 Jun 2023 15:50
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ClientSampleId :
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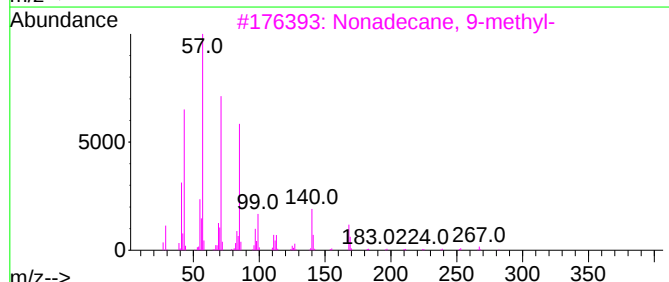
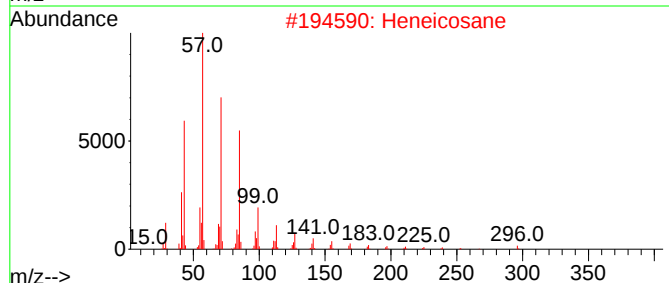
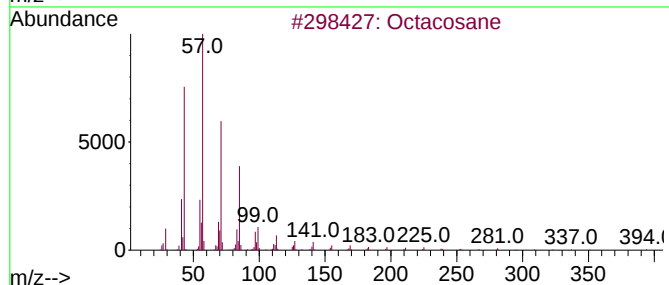
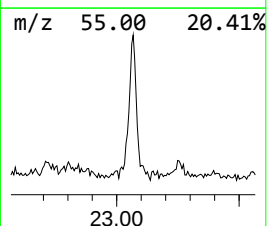
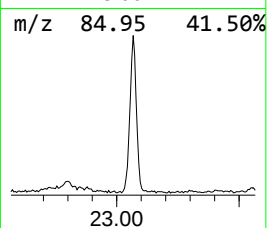
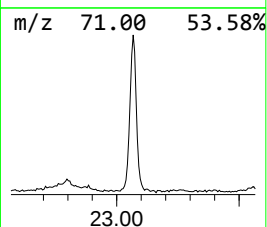
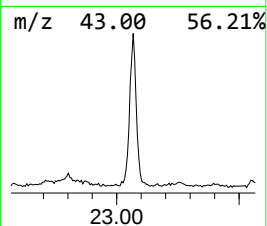
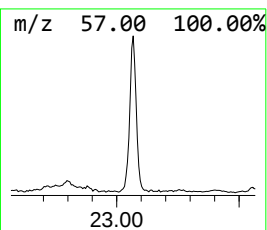
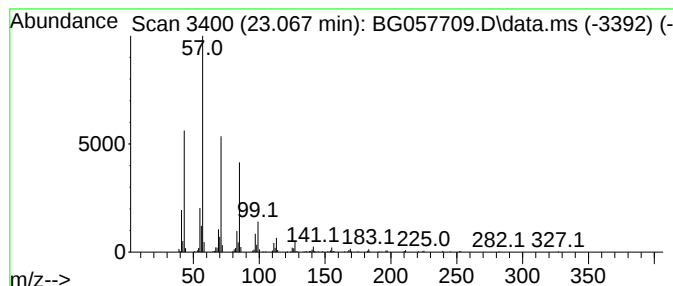
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.067	15.00 ng	445639	Chrysene-d12	21.569

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octacosane	394	C28H58	000630-02-4	91
2		Heneicosane	296	C21H44	000629-94-7	90
3		Nonadecane, 9-methyl-	282	C20H42	013287-24-6	90
4		Tetracosane	338	C24H50	000646-31-1	87
5		Heptacosane	380	C27H56	000593-49-7	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
Data File : BG057709.D
Acq On : 14 Jun 2023 15:50
Operator : CG/JU
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Misc :
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Instrument :
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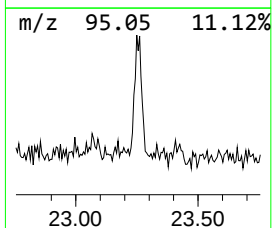
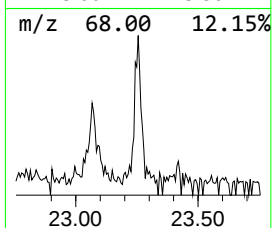
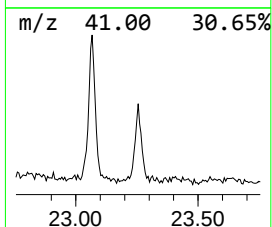
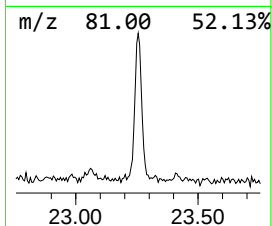
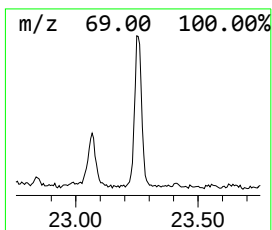
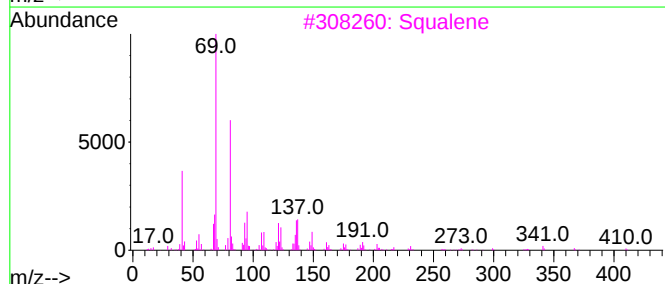
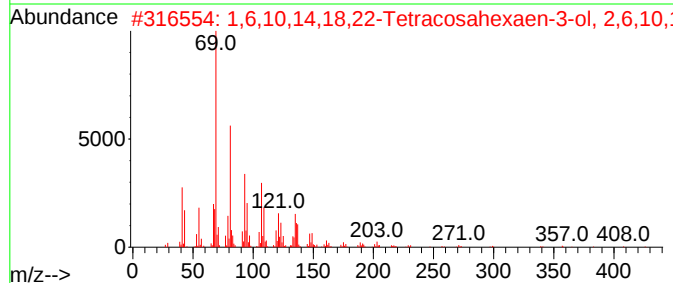
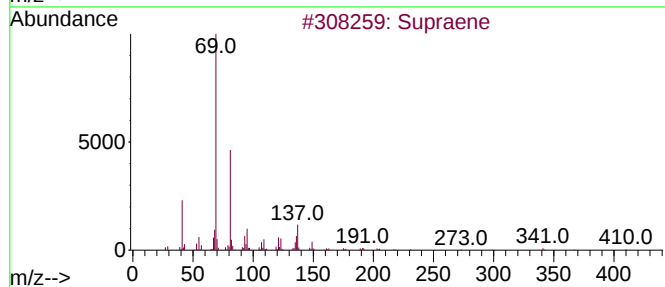
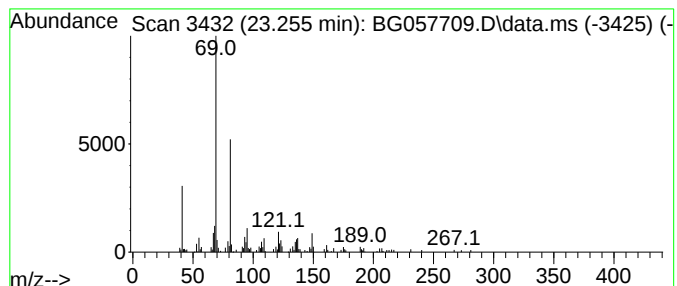
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Supraene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.255	4.42 ng	126359	Perylene-d12	24.735

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Supraene	410	C30H50	007683-64-9	86
2			1,6,10,14,18,22-Tetracosahexaen-...	426	C30H500	097232-74-1	83
3			Squalene	410	C30H50	000111-02-4	83
4			1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	80
5			7,11-Dimethyldodeca-2,6,10-trien...	208	C14H240	125529-10-4	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
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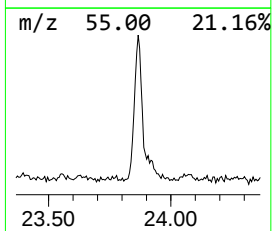
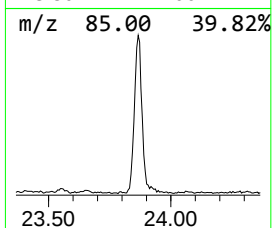
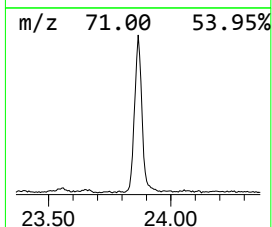
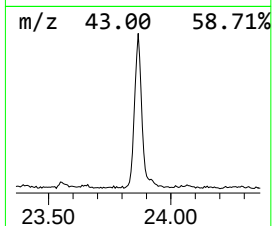
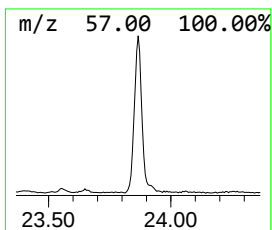
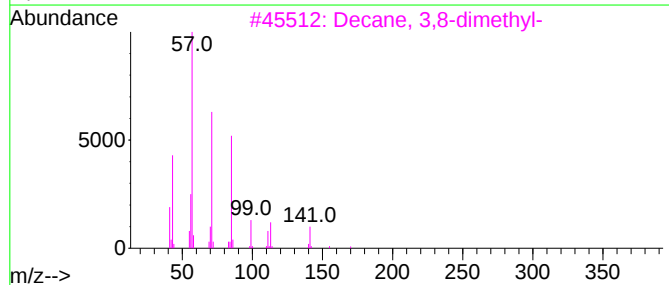
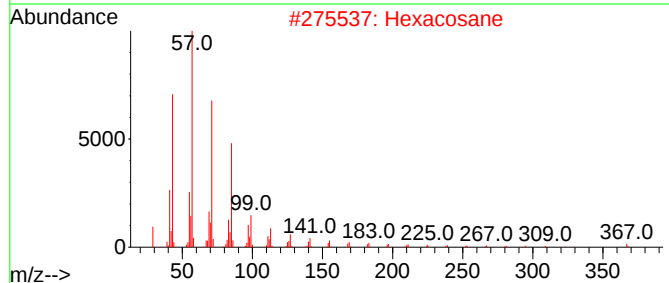
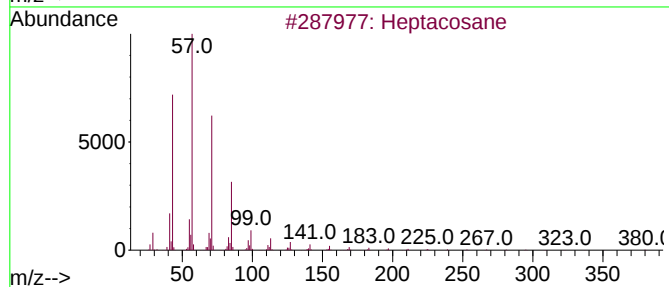
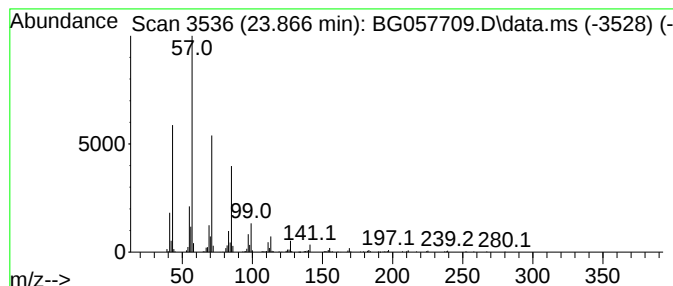
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hexacosane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
23.866	20.73 ng	592182	Perylene-d12	24.735	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	87
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
Data File : BG057709.D
Acq On : 14 Jun 2023 15:50
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CMC-EME-Topsoil-004

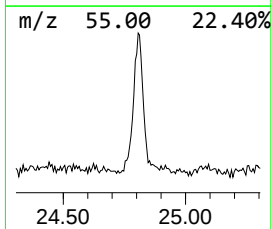
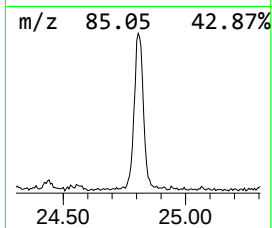
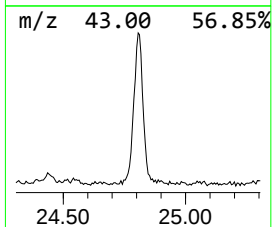
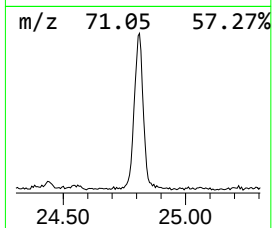
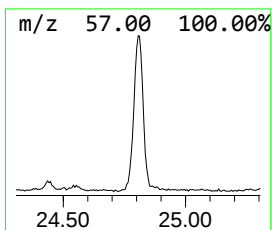
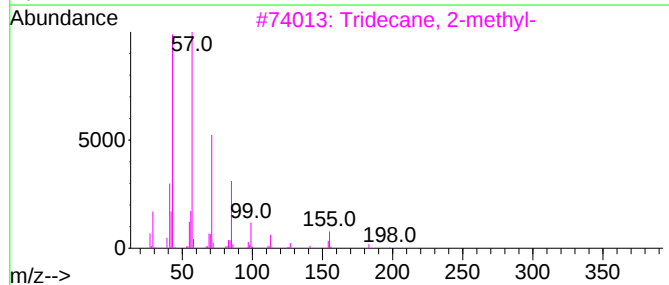
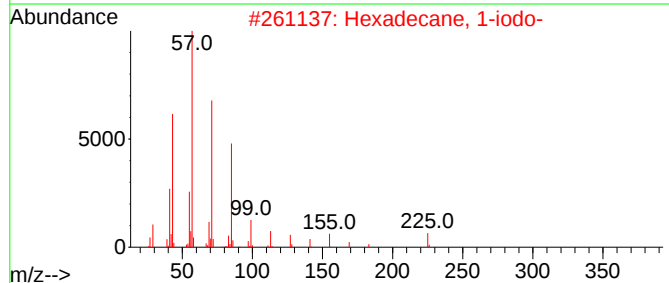
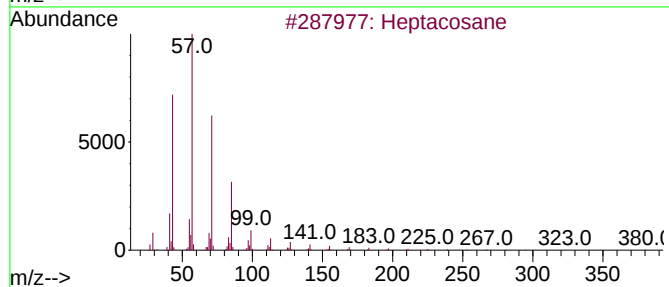
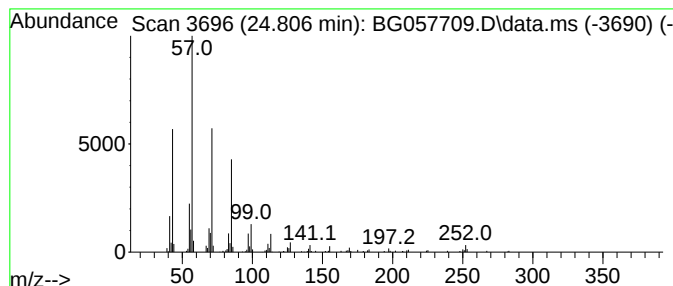
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Hexadecane, 1-iodo- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.806	13.12 ng	374841	Perylene-d12	24.735

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptacosane	380	C27H56	000593-49-7	91
2		Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	87
3		Tridecane, 2-methyl-	198	C14H30	001560-96-9	87
4		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
5		Tetradecane	198	C14H30	000629-59-4	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
Data File : BG057709.D
Acq On : 14 Jun 2023 15:50
Operator : CG/JU
Sample : 03141-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

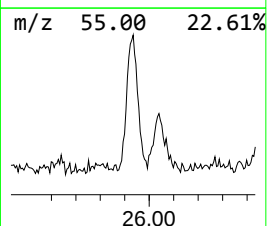
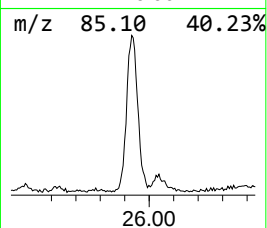
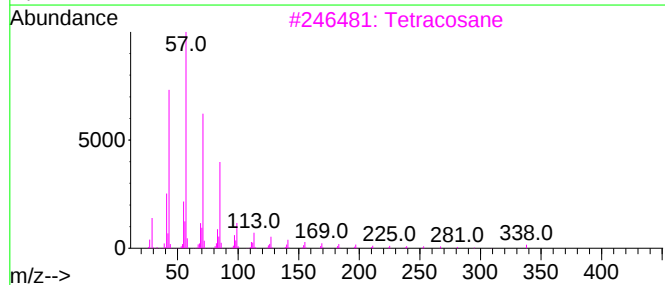
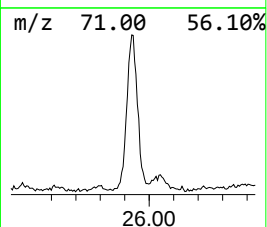
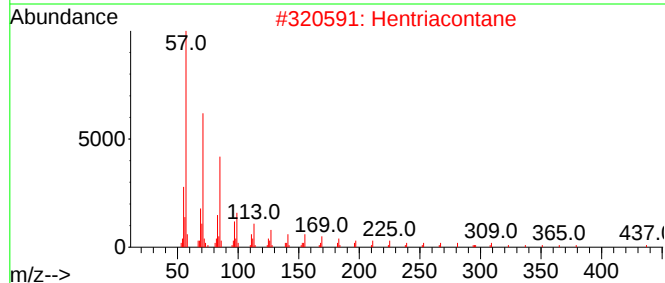
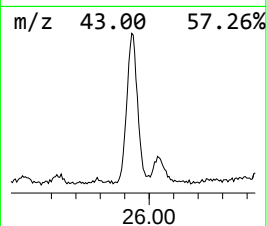
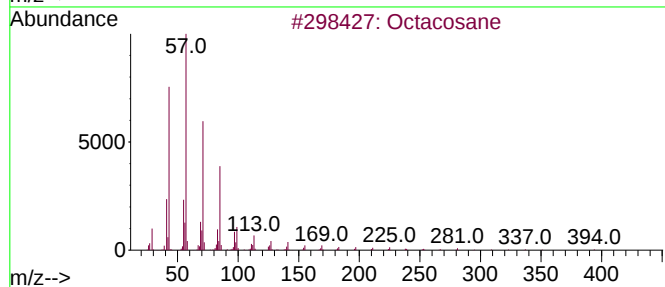
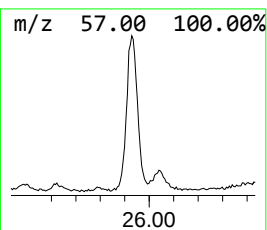
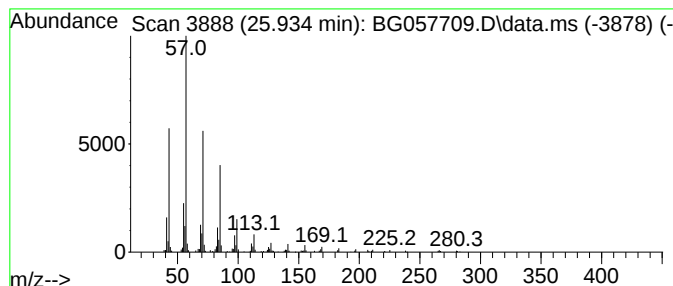
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Hentriacontane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.934	13.74 ng	392560	Perylene-d12	24.735

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosane	394	C28H58	000630-02-4	91
2			Hentriacontane	437	C31H64	000630-04-6	91
3			Tetracosane	338	C24H50	000646-31-1	91
4			Heneicosane	296	C21H44	000629-94-7	91
5			Heptacosane	380	C27H56	000593-49-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
Data File : BG057709.D
Acq On : 14 Jun 2023 15:50
Operator : CG/JU
Sample : 03141-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

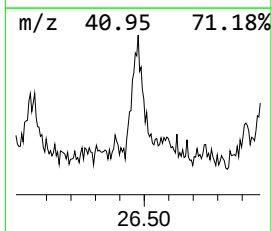
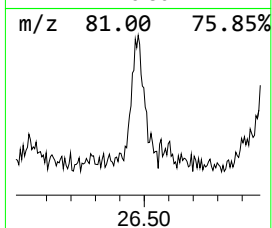
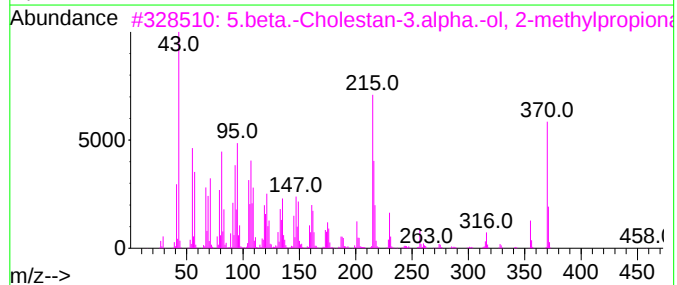
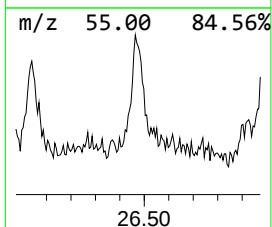
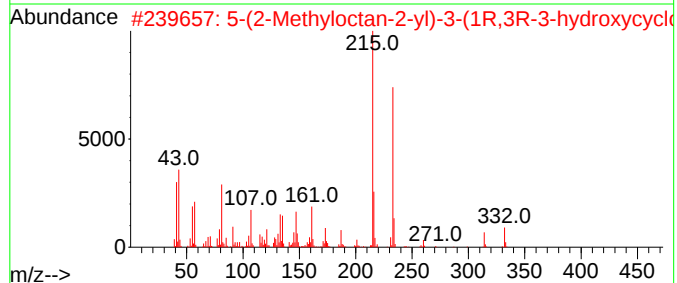
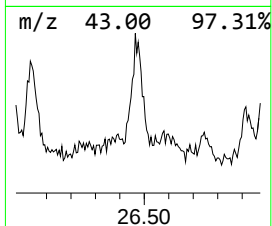
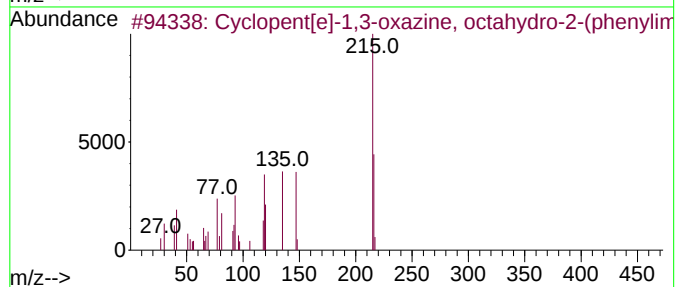
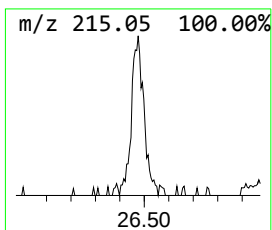
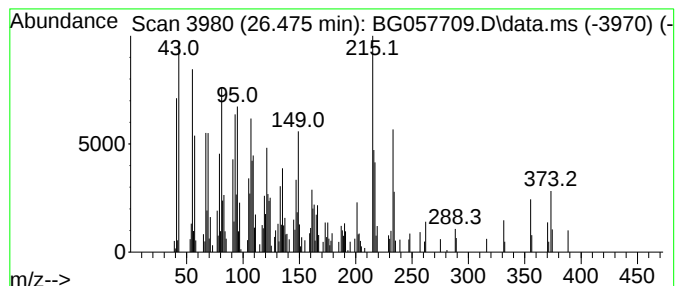
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopent[e]-1,3-oxazine, o... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.475	9.05 ng	258579	Perylene-d12	24.735

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopent[e]-1,3-oxazine, octahy...	216	C13H16N2O	1000138-92-2	93
2			5-(2-Methyloctan-2-yl)-3-(1R,3R-...	332	C22H36O2	070434-92-3	64
3			5.beta.-Cholestan-3.alpha.-ol, 2...	458	C31H54O2	1000514-95-7	58
4			5.beta.-Cholestan-3.alpha.-ol, a...	430	C29H50O2	033157-47-0	43
5			cis-3-[2-Hydroxy-4-(2-methyl-2-n...	332	C22H36O2	1000370-41-9	41



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
Data File : BG057709.D
Acq On : 14 Jun 2023 15:50
Operator : CG/JU
Sample : 03141-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CMC-EME-Topsoil-004

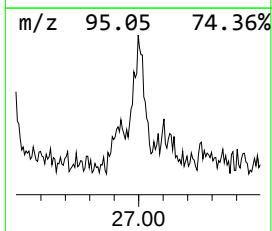
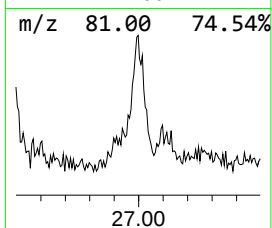
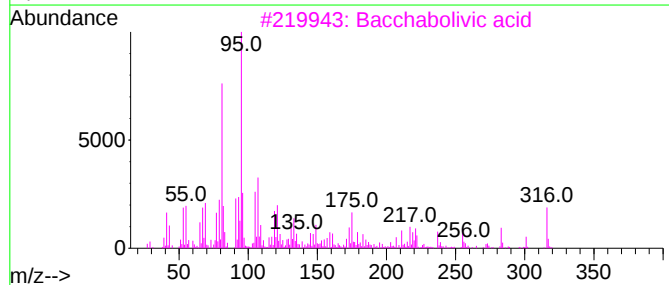
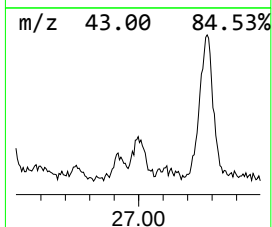
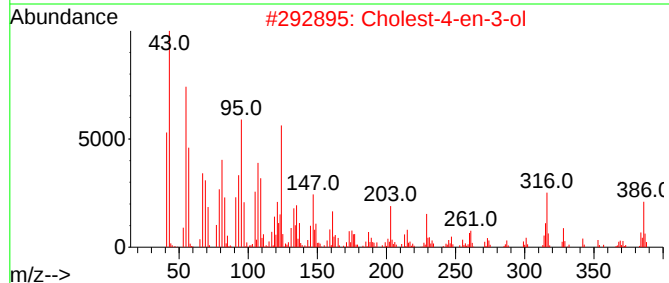
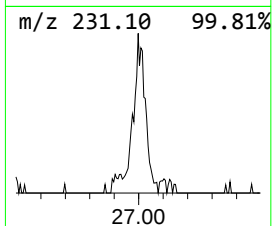
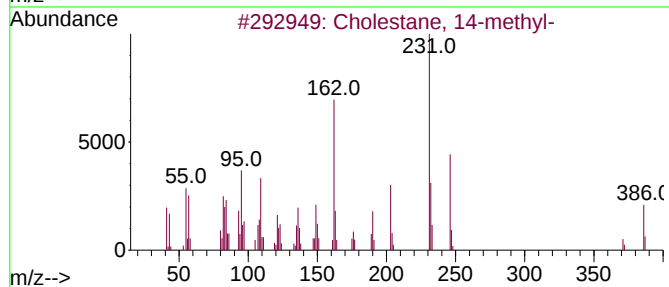
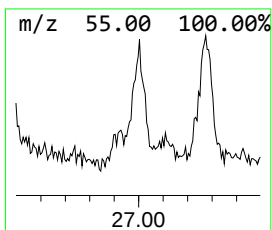
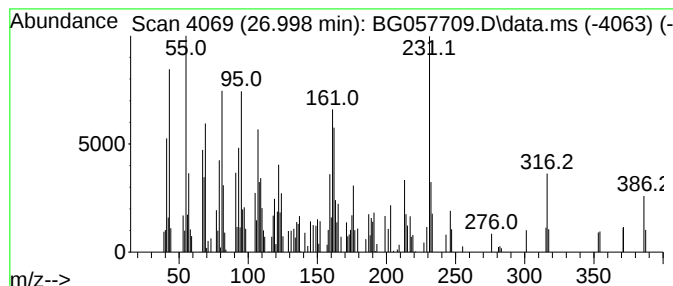
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cholestane, 14-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.998	8.36 ng	238626	Perylene-d12	24.735

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cholestane, 14-methyl-	386	C28H50	052474-84-7	56
2		Cholest-4-en-3-ol	386	C27H46O	014597-42-3	48
3		Bacchabolivic acid	316	C20H28O3	120837-97-0	40
4		Cholestan-3-one	386	C27H46O	015600-08-5	38
5		Cholestane-3,5-diol, (3.beta.,5....	404	C27H48O2	003347-60-2	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
Data File : BG057709.D
Acq On : 14 Jun 2023 15:50
Operator : CG/JU
Sample : 03141-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CMC-EME-Topsoil-004

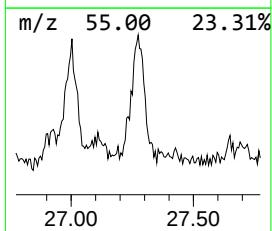
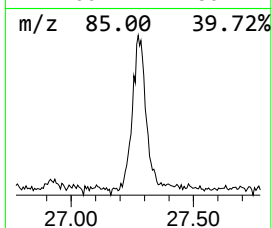
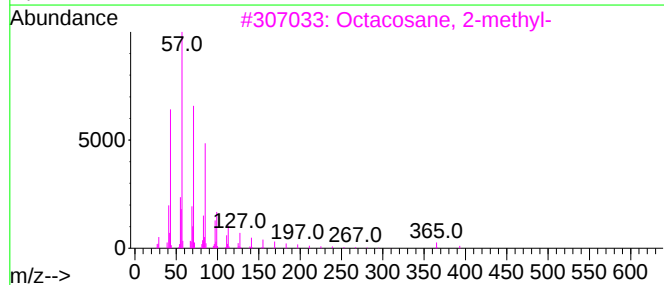
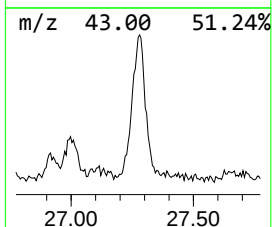
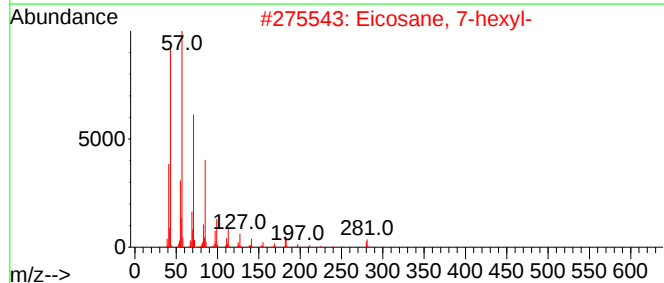
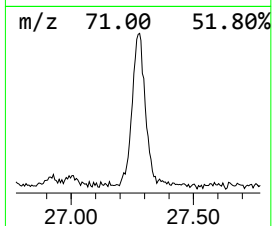
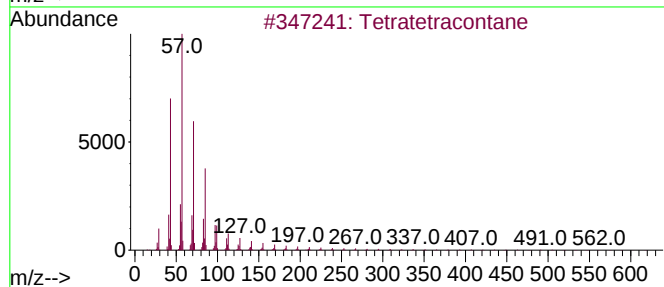
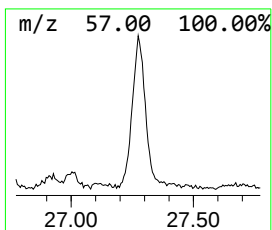
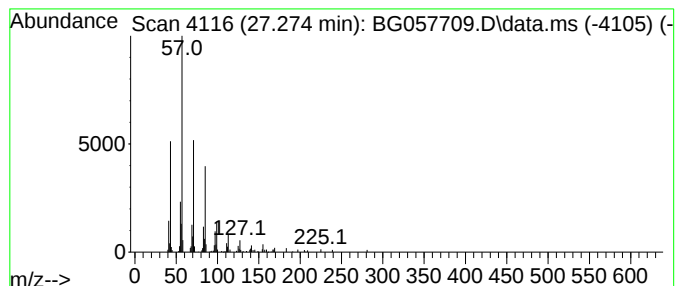
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Eicosane, 7-hexyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.274	9.15 ng	261292	Perylene-d12	24.735

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetratetracontane	619	C44H90	007098-22-8	91
2			Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91
3			Octacosane, 2-methyl-	408	C29H60	001560-98-1	90
4			Heneicosane	296	C21H44	000629-94-7	90
5			Eicosane	282	C20H42	000112-95-8	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
Data File : BG057709.D
Acq On : 14 Jun 2023 15:50
Operator : CG/JU
Sample : 03141-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CMC-EME-Topsoil-004

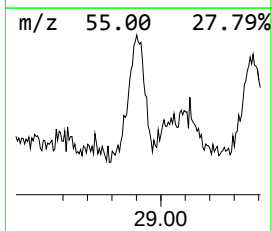
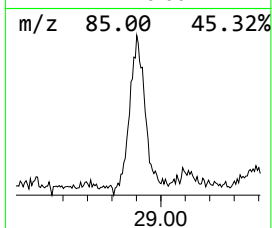
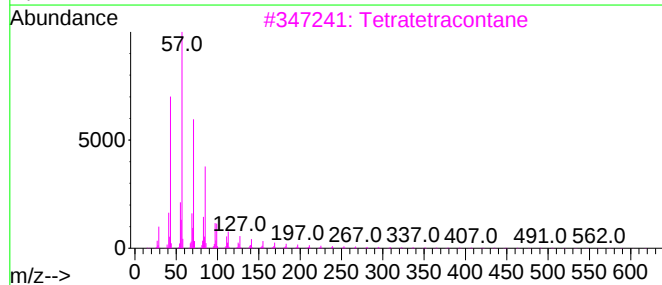
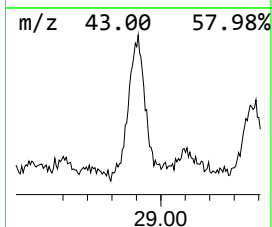
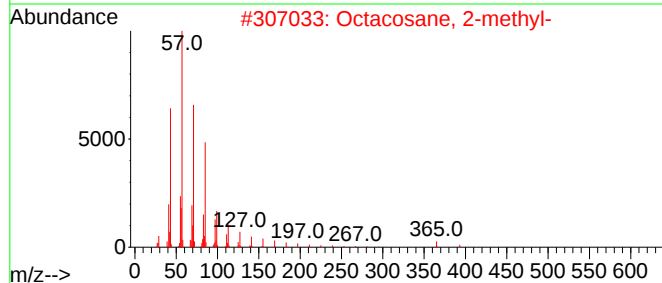
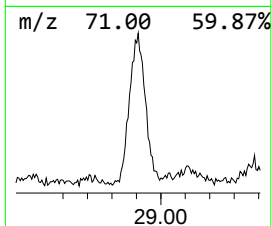
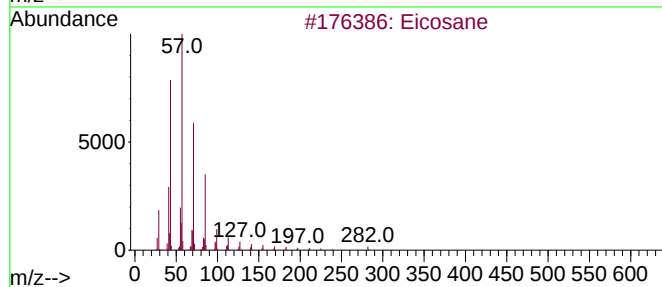
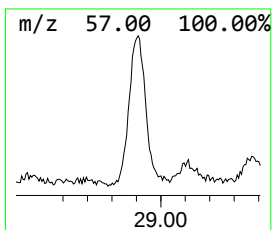
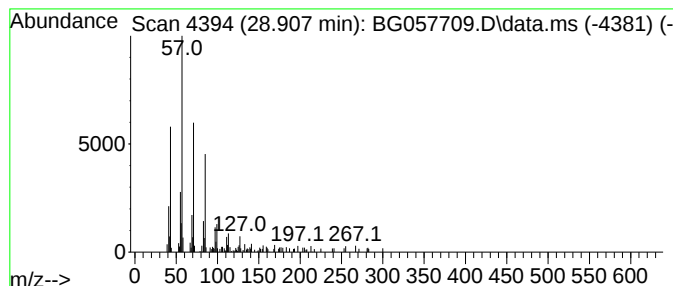
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Eicosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.907	8.91 ng	254533	Perylene-d12	24.735

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	94
2			Octacosane, 2-methyl-	408	C29H60	001560-98-1	90
3			Tetratetracontane	619	C44H90	007098-22-8	90
4			4-Methylheneicosane	310	C22H46	025117-29-7	87
5			Eicosane, 7-hexyl-	366	C26H54	055333-99-8	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
Data File : BG057709.D
Acq On : 14 Jun 2023 15:50
Operator : CG/JU
Sample : 03141-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CMC-EME-Topsoil-004

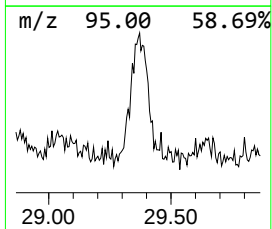
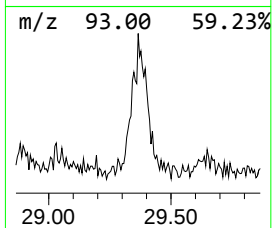
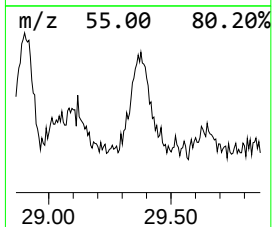
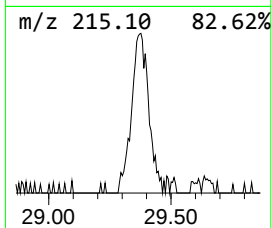
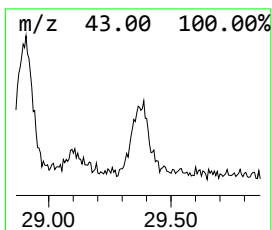
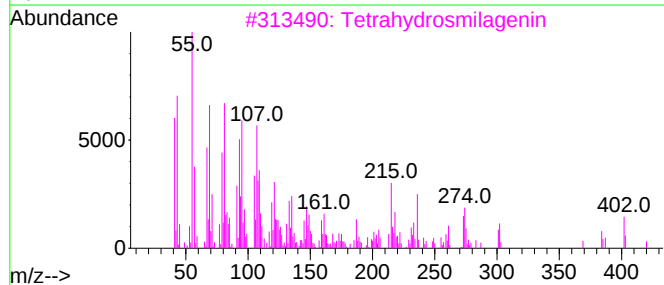
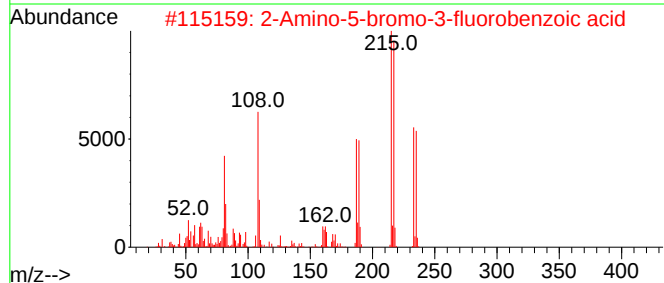
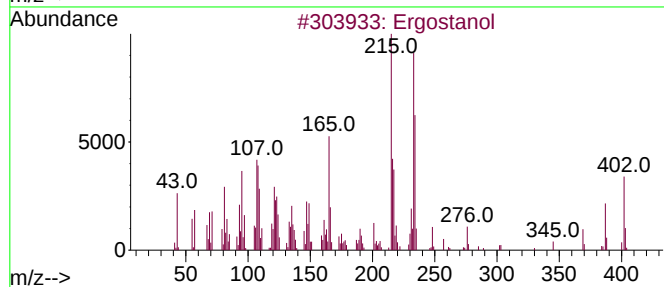
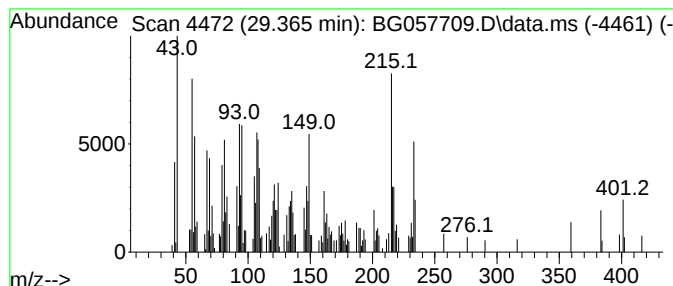
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Ergostanol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
29.365	11.66 ng	333106	Perylene-d12	24.735

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ergostanol	402	C28H50O	006538-02-9	55
2			2-Amino-5-bromo-3-fluorobenzoic ...	233	C7H5BrFNO2	874784-14-2	43
3			Tetrahydrosmilagenin	420	C27H48O3	1000255-29-0	22
4			Succinic acid, 2,2,3,3-tetraflu...	370	C17H26F4O4	1000390-19-4	22
5			Succinic acid, 2,2,3,3-tetraflu...	370	C17H26F4O4	1000390-18-6	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
Data File : BG057709.D
Acq On : 14 Jun 2023 15:50
Operator : CG/JU
Sample : 03141-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 .beta.-Sitosterol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.000	13.17 ng	376229	Perylene-d12	24.735

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		.beta.-Sitosterol	414	C29H50O	000083-46-5	98
2		.gamma.-Sitosterol	414	C29H50O	000083-47-6	97
3		17-(1,5-Dimethylhexyl)-10,13-dimethyl-4-vinyl-5,6,8,9,11,12,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136,137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154,155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172,173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190,191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208,209,210,211,212,213,214,215,216,217,218,219,220,221,222,223,224,225,226,227,228,229,230,231,232,233,234,235,236,237,238,239,240,241,242,243,244,245,246,247,248,249,250,251,252,253,254,255,256,257,258,259,260,261,262,263,264,265,266,267,268,269,270,271,272,273,274,275,276,277,278,279,280,281,282,283,284,285,286,287,288,289,290,291,292,293,294,295,296,297,298,299,300,301,302,303,304,305,306,307,308,309,310,311,312,313,314,315,316,317,318,319,320,321,322,323,324,325,326,327,328,329,330,331,332,333,334,335,336,337,338,339,340,341,342,343,344,345,346,347,348,349,350,351,352,353,354,355,356,357,358,359,360,361,362,363,364,365,366,367,368,369,370,371,372,373,374,375,376,377,378,379,380,381,382,383,384,385,386,387,388,389,390,391,392,393,394,395,396,397,398,399,400,401,402,403,404,405,406,407,408,409,410,411,412,413,414,415,416,417,418,419,420,421,422,423,424,425,426,427,428,429,430,431,432,433,434,435,436,437,438,439,440,441,442,443,444,445,446,447,448,449,450,451,452,453,454,455,456,457,458,459,460,461,462,463,464,465,466,467,468,469,470,471,472,473,474,475,476,477,478,479,480,481,482,483,484,485,486,487,488,489,490,491,492,493,494,495,496,497,498,499,500,501,502,503,504,505,506,507,508,509,510,511,512,513,514,515,516,517,518,519,520,521,522,523,524,525,526,527,528,529,530,531,532,533,534,535,536,537,538,539,540,541,542,543,544,545,546,547,548,549,550,551,552,553,554,555,556,557,558,559,560,561,562,563,564,565,566,567,568,569,570,571,572,573,574,575,576,577,578,579,580,581,582,583,584,585,586,587,588,589,590,591,592,593,594,595,596,597,598,599,600,601,602,603,604,605,606,607,608,609,610,611,612,613,614,615,616,617,618,619,620,621,622,623,624,625,626,627,628,629,630,631,632,633,634,635,636,637,638,639,640,641,642,643,644,645,646,647,648,649,650,651,652,653,654,655,656,657,658,659,660,661,662,663,664,665,666,667,668,669,670,671,672,673,674,675,676,677,678,679,680,681,682,683,684,685,686,687,688,689,690,691,692,693,694,695,696,697,698,699,700,701,702,703,704,705,706,707,708,709,710,711,712,713,714,715,716,717,718,719,720,721,722,723,724,725,726,727,728,729,730,731,732,733,734,735,736,737,738,739,740,741,742,743,744,745,746,747,748,749,750,751,752,753,754,755,756,757,758,759,760,761,762,763,764,765,766,767,768,769,770,771,772,773,774,775,776,777,778,779,780,781,782,783,784,785,786,787,788,789,790,791,792,793,794,795,796,797,798,799,800,801,802,803,804,805,806,807,808,809,810,811,812,813,814,815,816,817,818,819,820,821,822,823,824,825,826,827,828,829,830,831,832,833,834,835,836,837,838,839,840,841,842,843,844,845,846,847,848,849,850,851,852,853,854,855,856,857,858,859,860,861,862,863,864,865,866,867,868,869,870,871,872,873,874,875,876,877,878,879,880,881,882,883,884,885,886,887,888,889,890,891,892,893,894,895,896,897,898,899,900,901,902,903,904,905,906,907,908,909,910,911,912,913,914,915,916,917,918,919,920,921,922,923,924,925,926,927,928,929,930,931,932,933,934,935,936,937,938,939,940,941,942,943,944,945,946,947,948,949,950,951,952,953,954,955,956,957,958,959,960,961,962,963,964,965,966,967,968,969,970,971,972,973,974,975,976,977,978,979,980,981,982,983,984,985,986,987,988,989,990,991,992,993,994,995,996,997,998,999,1000,1001,1002,1003,1004,1005,1006,1007,1008,1009,1010,1011,1012,1013,1014,1015,1016,1017,1018,1019,1020,1021,1022,1023,1024,1025,1026,1027,1028,1029,1030,1031,1032,1033,1034,1035,1036,1037,1038,1039,1040,1041,1042,1043,1044,1045,1046,1047,1048,1049,1050,1051,1052,1053,1054,1055,1056,1057,1058,1059,1060,1061,1062,1063,1064,1065,1066,1067,1068,1069,1070,1071,1072,1073,1074,1075,1076,1077,1078,1079,1080,1081,1082,1083,1084,1085,1086,1087,1088,1089,1090,1091,1092,1093,1094,1095,1096,1097,1098,1099,1100,1101,1102,1103,1104,1105,1106,1107,1108,1109,1110,1111,1112,1113,1114,1115,1116,1117,1118,1119,1120,1121,1122,1123,1124,1125,1126,1127,1128,1129,1130,1131,1132,1133,1134,1135,1136,1137,1138,1139,1140,1141,1142,1143,1144,1145,1146,1147,1148,1149,1150,1151,1152,1153,1154,1155,1156,1157,1158,1159,1160,1161,1162,1163,1164,1165,1166,1167,1168,1169,1170,1171,1172,1173,1174,1175,1176,1177,1178,1179,1180,1181,1182,1183,1184,1185,1186,1187,1188,1189,1190,1191,1192,1193,1194,1195,1196,1197,1198,1199,1200,1201,1202,1203,1204,1205,1206,1207,1208,1209,1210,1211,1212,1213,1214,1215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Data File : BG057709.D
Acq On : 14 Jun 2023 15:50
Operator : CG/JU
Sample : 03141-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

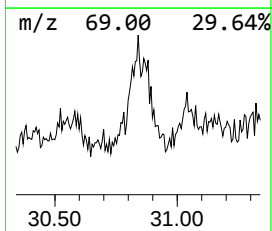
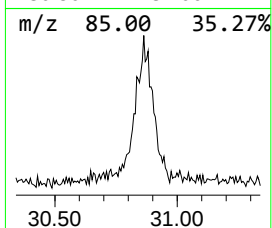
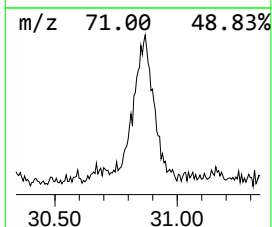
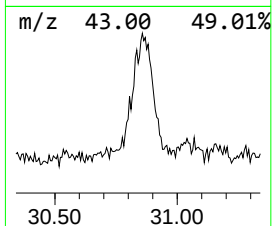
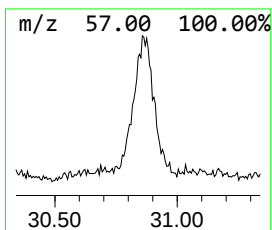
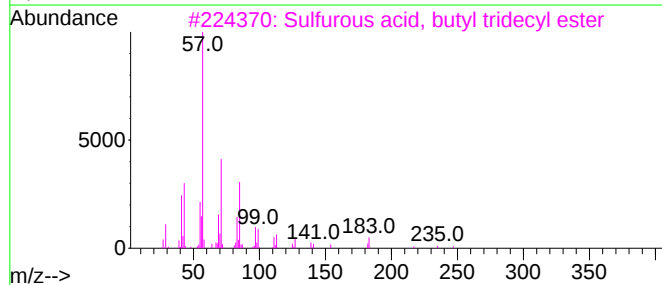
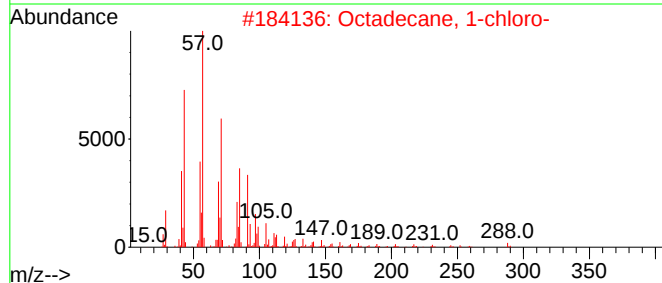
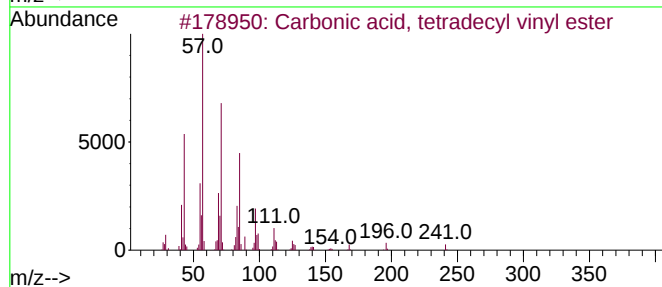
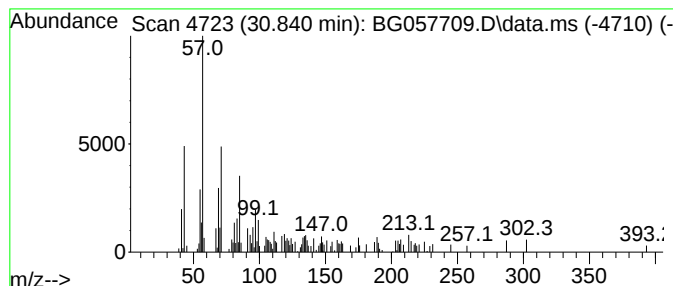
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Carbonic acid, tetradecyl v... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
30.840	4.37 ng	124715	Perylene-d12	24.735

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	58
2		Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	58
3		Sulfurous acid, butyl tridecyl e...	320	C17H36O3S	1000309-18-0	58
4		2-Methyltetracosane	352	C25H52	001560-78-7	58
5		Carbonic acid, tridecyl vinyl ester	270	C16H30O3	1000382-54-7	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG061423\
Data File : BG057709.D
Acq On : 14 Jun 2023 15:50
Operator : CG/JU
Sample : 03141-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CMC-EME-Topsoil-004

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061323.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
Butane, 2-metho...	3.131	13.0	ng	154682	1	7.938	237561	20.0
Benzophenone	15.922	5.6	ng	127771	3	14.571	454039	20.0
Tridecanoic acid	18.208	4.1	ng	116526	4	17.315	565104	20.0
Heptacosane	20.247	4.7	ng	140344	5	21.569	594166	20.0
Hexadecane	20.740	9.2	ng	272935	5	21.569	594166	20.0
Tetratetracontane	21.240	17.9	ng	532424	5	21.569	594166	20.0
Nonadecane, 1-b...	21.780	60.3	ng	1790040	5	21.569	594166	20.0
Heptadecane, 9-...	22.385	17.1	ng	506807	5	21.569	594166	20.0
Octacosane	23.067	15.0	ng	445639	5	21.569	594166	20.0
Supraene	23.255	4.4	ng	126359	6	24.735	571202	20.0
Hexacosane	23.866	20.7	ng	592182	6	24.735	571202	20.0
Hexadecane, 1-i...	24.806	13.1	ng	374841	6	24.735	571202	20.0
Hentriacontane	25.934	13.7	ng	392560	6	24.735	571202	20.0
Cyclopent[e]-1,...	26.475	9.1	ng	258579	6	24.735	571202	20.0
Cholestane, 14-...	26.998	8.4	ng	238626	6	24.735	571202	20.0
Eicosane, 7-hexyl-	27.274	9.2	ng	261292	6	24.735	571202	20.0
Eicosane	28.907	8.9	ng	254533	6	24.735	571202	20.0
Ergostanol	29.365	11.7	ng	333106	6	24.735	571202	20.0
.beta.-Sitosterol	30.000	13.2	ng	376229	6	24.735	571202	20.0
Carbonic acid, ...	30.840	4.4	ng	124715	6	24.735	571202	20.0