

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
 Data File : BM038683.D
 Acq On : 03 Feb 2023 17:34
 Operator : CG/JU
 Sample : 01375-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MANHOLE

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

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

Signal : TIC: BM038683.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	13.186	1694	1700	1713	rBV	1542860	2214635	2.07%	0.685%
2	14.568	1928	1935	1942	rBV2	674810	1201345	1.12%	0.372%
3	15.921	2159	2165	2177	rVB	1013946	1362168	1.27%	0.421%
4	16.715	2292	2300	2307	rBV	1022682	1549033	1.45%	0.479%
5	18.274	2546	2565	2568	rBV	15645499	42603760	39.84%	13.181%
6	19.368	2742	2751	2753	rVV	2038762	3839612	3.59%	1.188%
7	19.415	2754	2759	2767	rVV	4025486	8148527	7.62%	2.521%
8	19.533	2767	2779	2793	rVV	19094807	44164796	41.30%	13.664%
9	19.927	2841	2846	2853	rVB	2499403	2823680	2.64%	0.874%
10	20.574	2949	2956	2972	rVV	1858226	3423815	3.20%	1.059%
11	21.486	3107	3111	3119	rVB	1091466	1357477	1.27%	0.420%
12	22.362	3254	3260	3265	rBV	2642895	3352654	3.14%	1.037%
13	22.709	3314	3319	3328	rVB2	1174982	1745944	1.63%	0.540%
14	23.886	3513	3519	3529	rVB2	551415	1072976	1.00%	0.332%
15	25.027	3697	3713	3735	rVB2	17859204	57443822	53.72%	17.772%
16	25.385	3749	3774	3783	rBV5	22150901	106931045	100.00%	33.083%
17	25.456	3783	3786	3796	rVB3	760371	1462867	1.37%	0.453%
18	25.974	3865	3874	3886	rVB3	1182306	3778262	3.53%	1.169%
19	26.227	3909	3917	3923	rBV5	390317	1197370	1.12%	0.370%
20	26.321	3924	3933	3943	rVV2	1224532	3633993	3.40%	1.124%
21	26.568	3967	3975	3985	rVB5	931345	2717955	2.54%	0.841%
22	26.879	4015	4028	4045	rBV3	3162171	10933605	10.22%	3.383%
23	27.291	4083	4098	4106	rBV2	3951643	14355497	13.43%	4.441%
24	27.450	4118	4125	4143	rVB4	579376	1904809	1.78%	0.589%

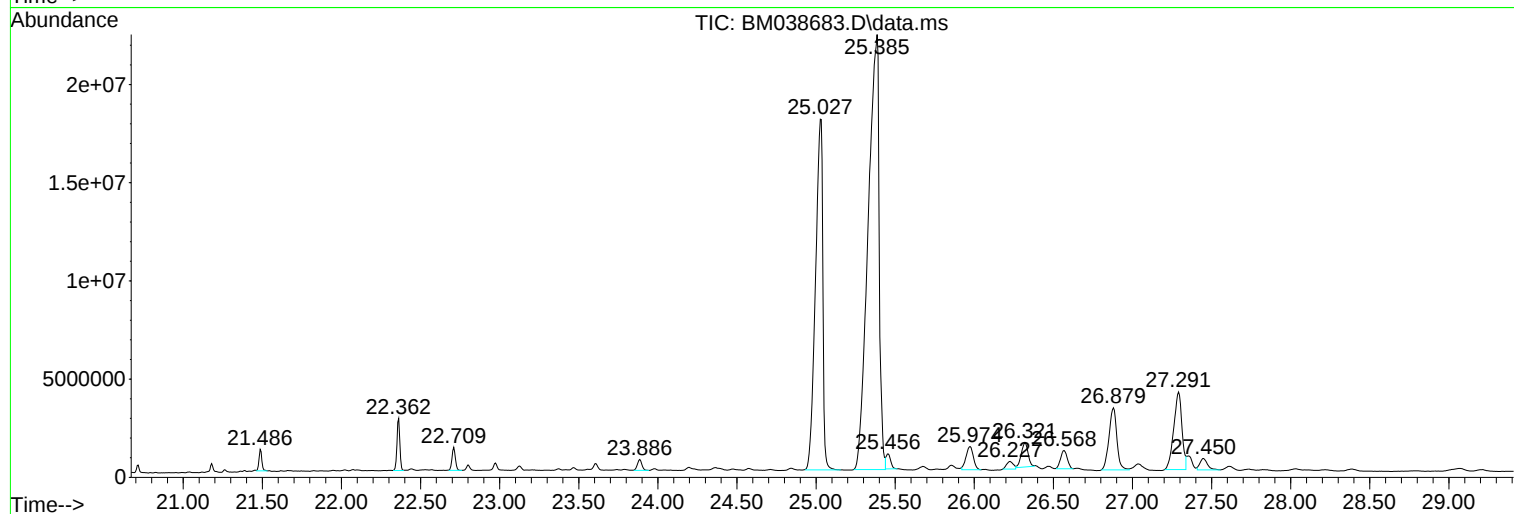
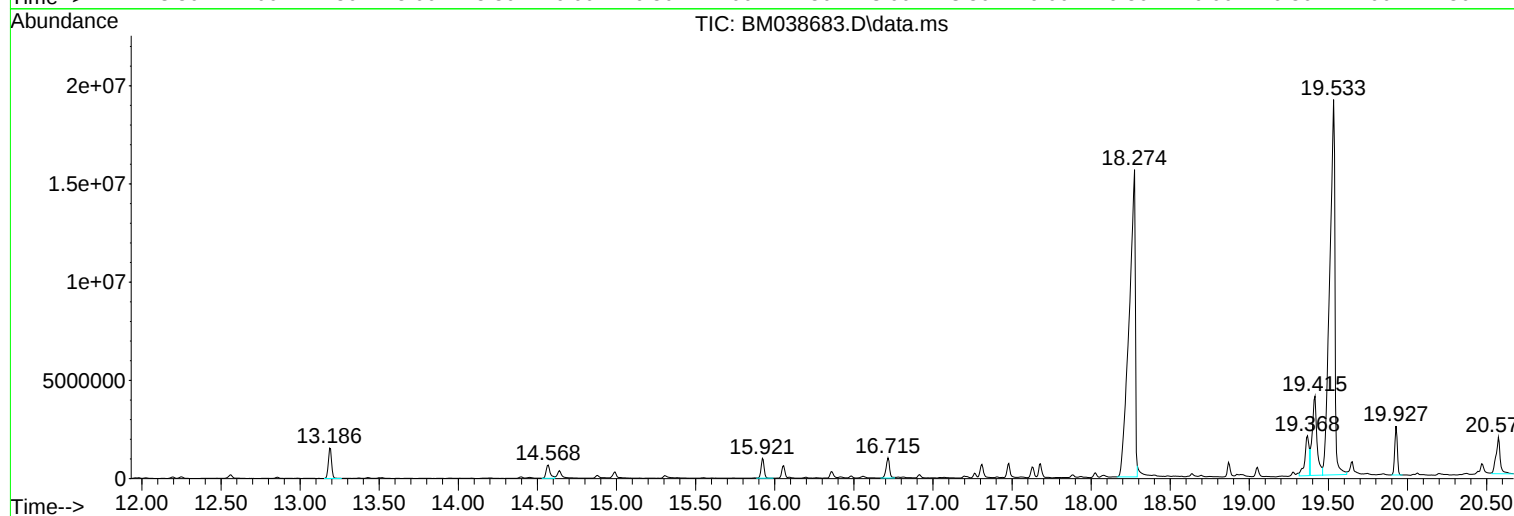
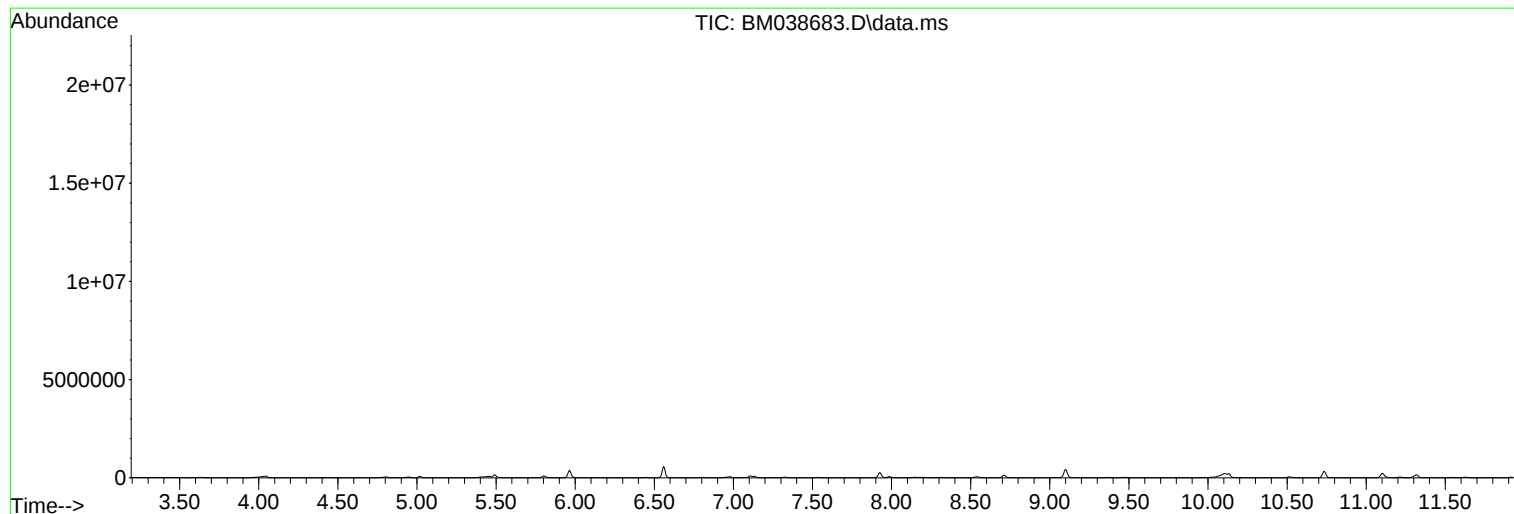
Sum of corrected areas: 323219647

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MANHOLE

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MANHOLE

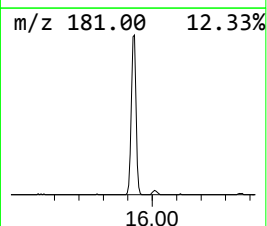
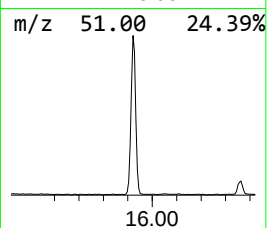
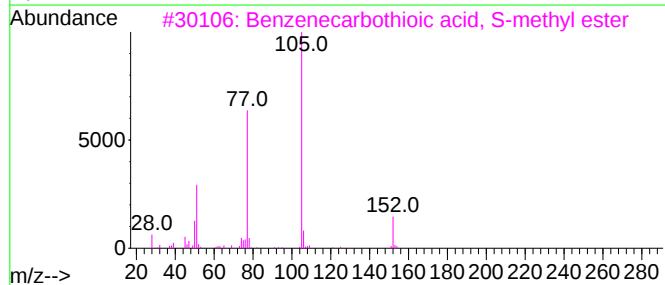
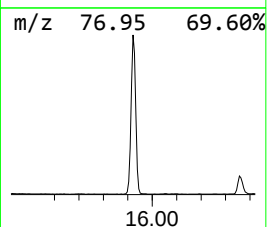
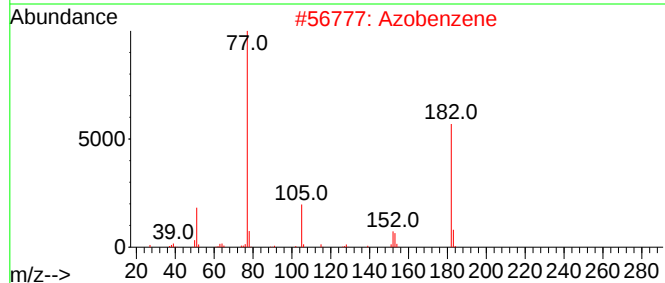
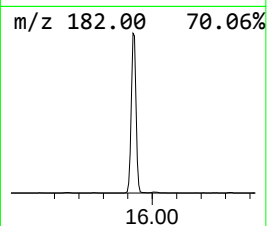
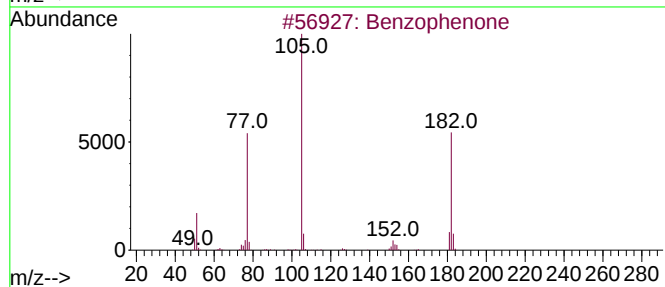
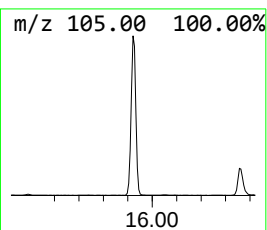
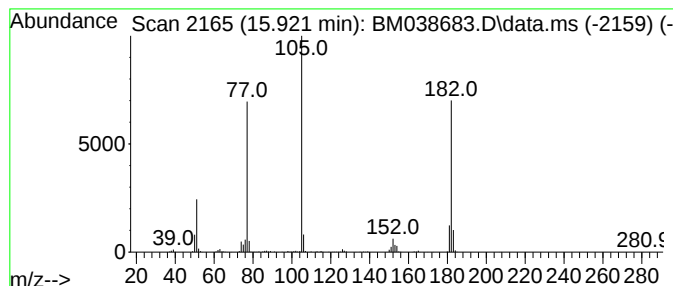
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzophenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.921	22.68 ng	1362170	Acenaphthene-d10	14.563

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	59
3			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	47
4			Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
5			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MANHOLE

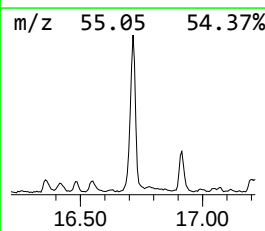
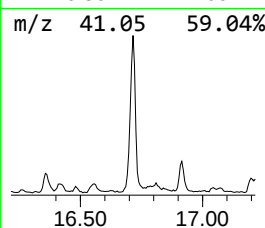
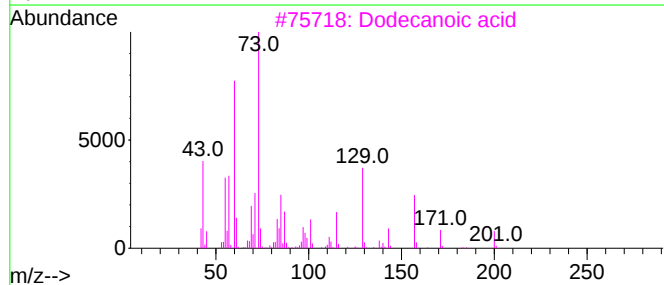
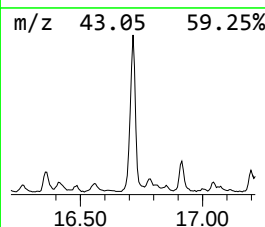
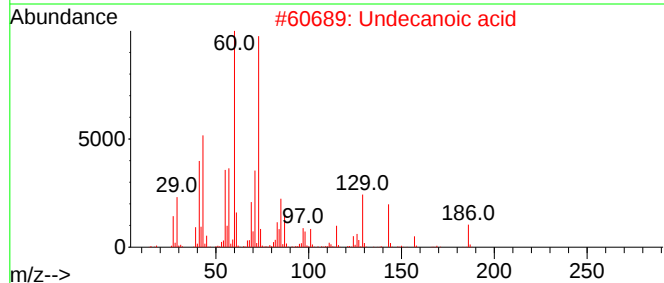
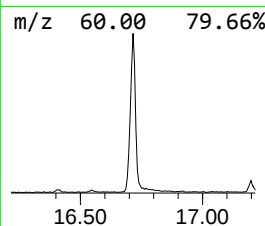
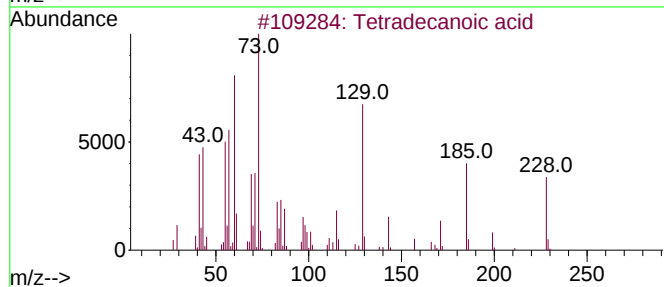
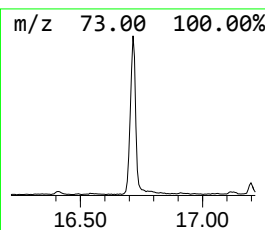
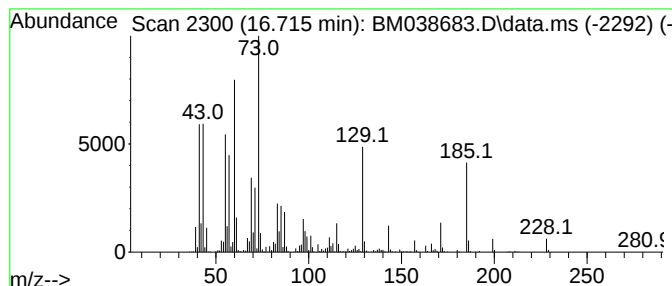
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Tetradecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.715	20.00 ng	1549030	Phenanthrene-d10	17.310

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecanoic acid	228	C14H28O2	000544-63-8	91
2			Undecanoic acid	186	C11H22O2	000112-37-8	64
3			Dodecanoic acid	200	C12H24O2	000143-07-7	64
4			Tridecanoic acid	214	C13H26O2	000638-53-9	58
5			n-Decanoic acid	172	C10H20O2	000334-48-5	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

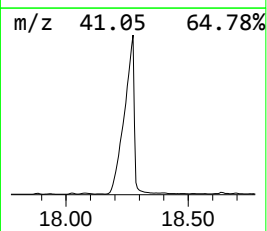
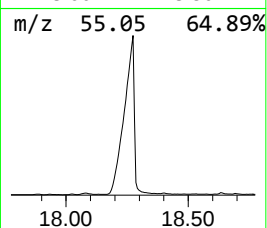
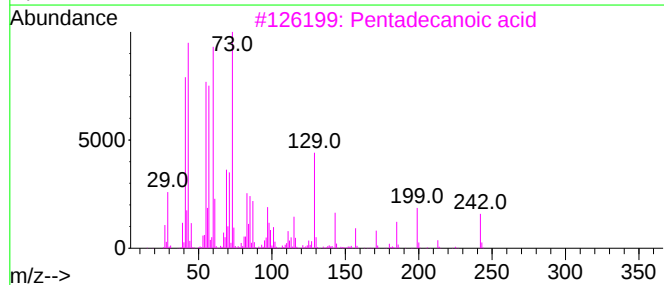
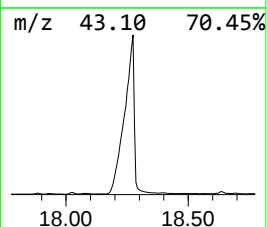
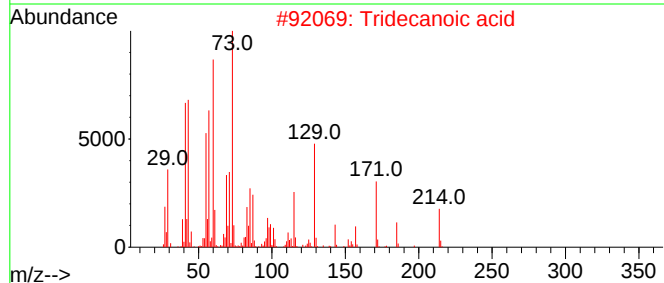
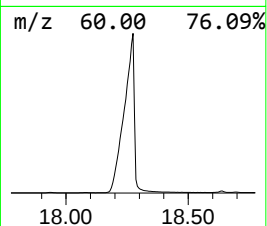
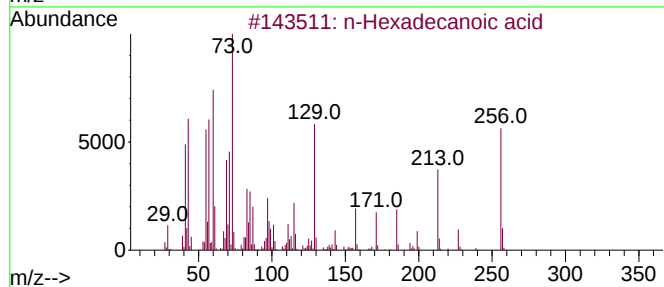
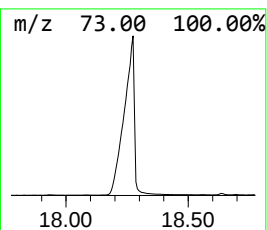
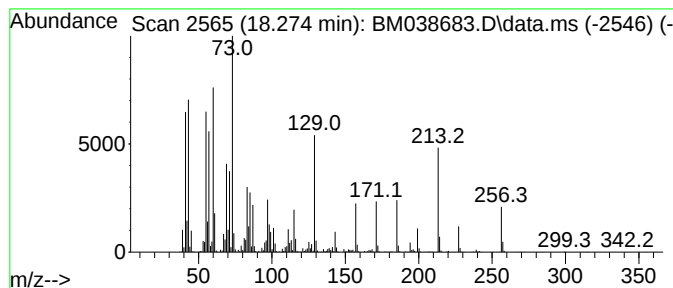
Instrument :
BNA_M
ClientSampleId :
MANHOLE

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

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.274	550.07 ng	42603800	Phenanthrene-d10		17.310	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid		256	C16H32O2	000057-10-3	98
2	Tridecanoic acid		214	C13H26O2	000638-53-9	92
3	Pentadecanoic acid		242	C15H30O2	001002-84-2	52
4	Tetradecanoic acid		228	C14H28O2	000544-63-8	50
5	Undecanoic acid		186	C11H22O2	000112-37-8	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

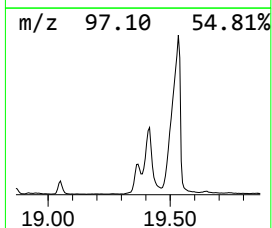
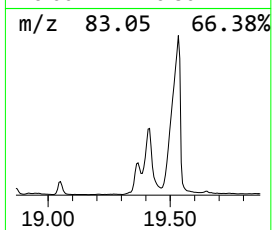
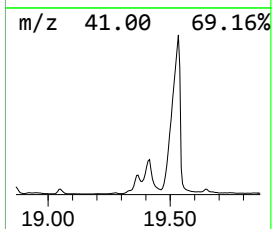
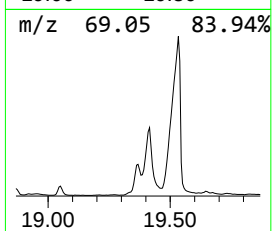
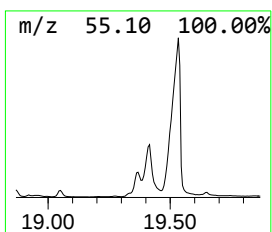
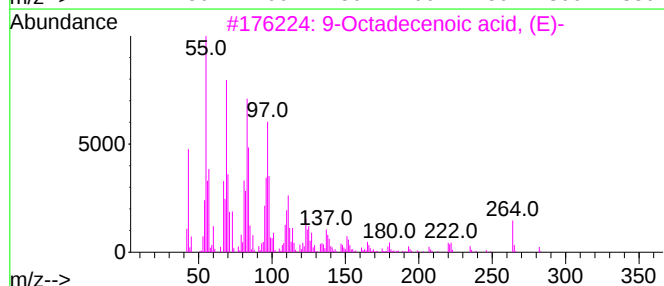
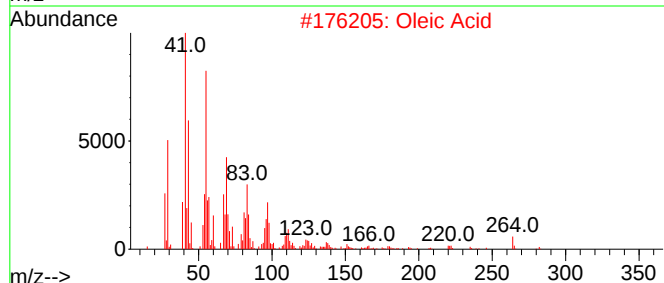
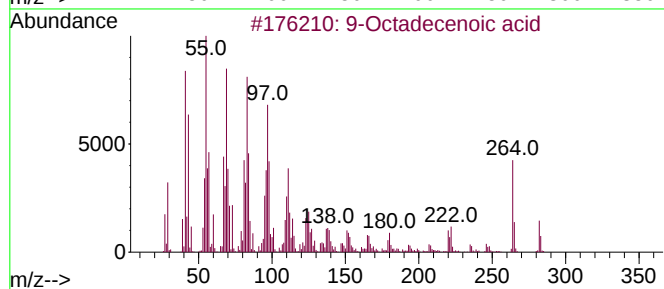
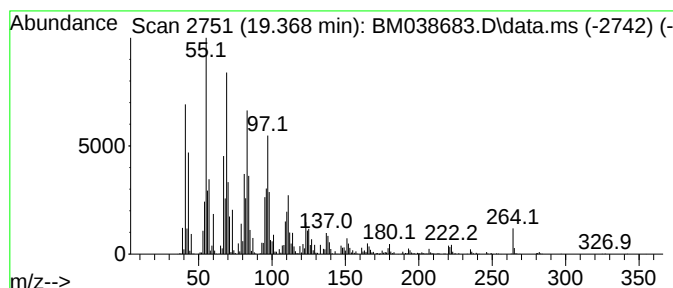
Instrument :
BNA_M
ClientSampleId :
MANHOLE

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

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

Peak Number 4 9-Octadecenoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.368	49.57 ng	3839610	Phenanthrene-d10	17.310	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid	282	C18H34O2	002027-47-6	98
2	Oleic Acid	282	C18H34O2	000112-80-1	97
3	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	94
4	6-Octadecenoic acid	282	C18H34O2	1000336-66-8	92
5	14-Pentadecenoic acid	240	C15H28O2	017351-34-7	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

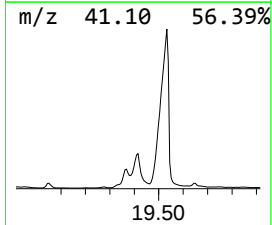
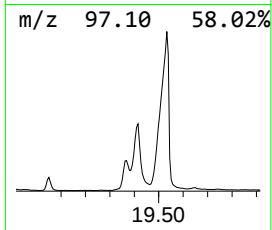
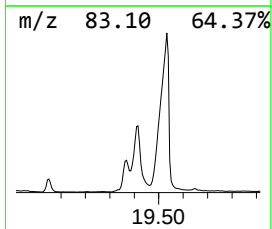
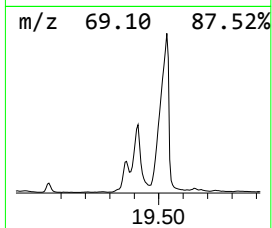
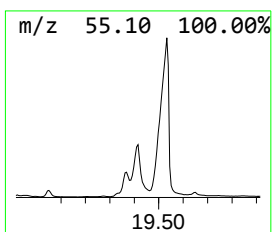
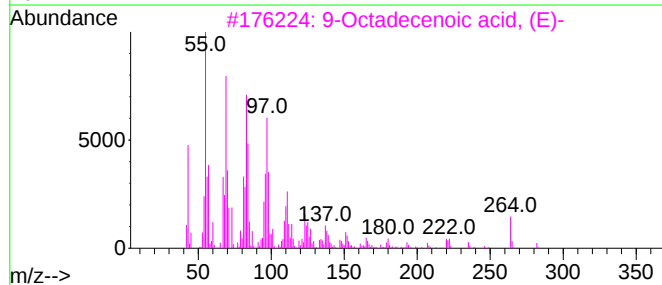
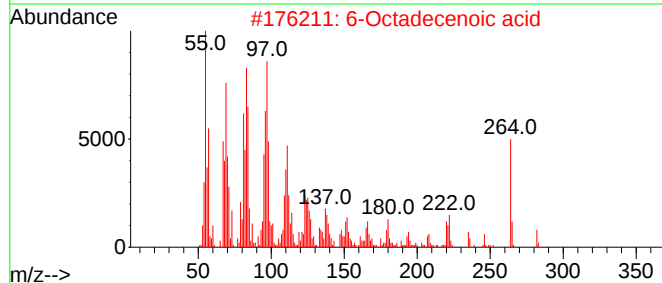
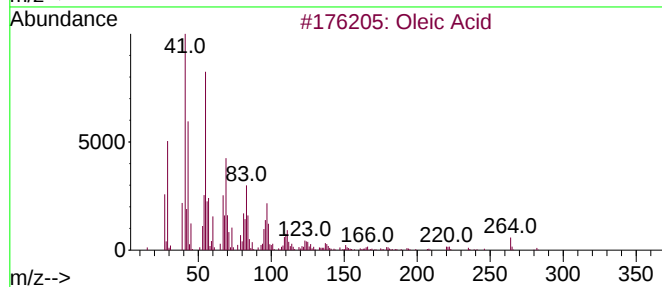
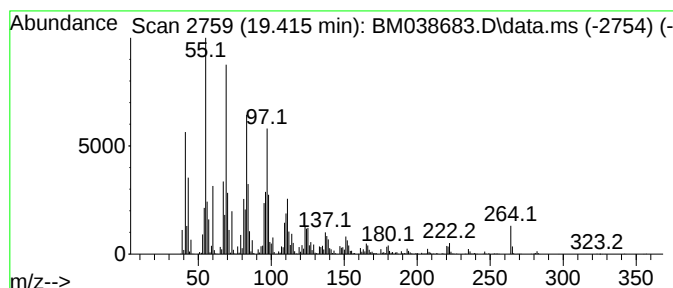
Instrument :
BNA_M
ClientSampleId :
MANHOLE

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

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

Peak Number 5 Oleic Acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.415	120.05 ng	8148530	Chrysene-d12	21.486	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oleic Acid	282	C18H34O2	000112-80-1	99
2	6-Octadecenoic acid	282	C18H34O2	1000336-66-8	95
3	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	89
4	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	87
5	cis-Vaccenic acid	282	C18H34O2	000506-17-2	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MANHOLE

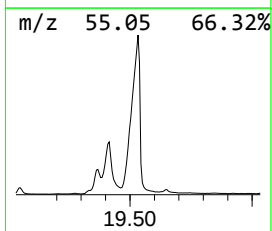
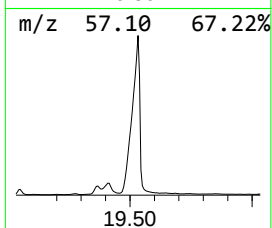
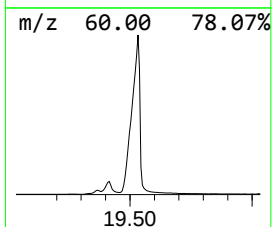
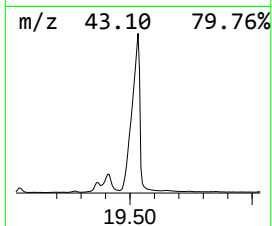
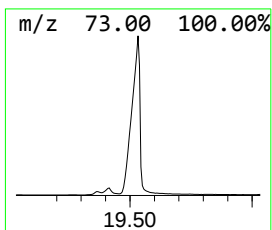
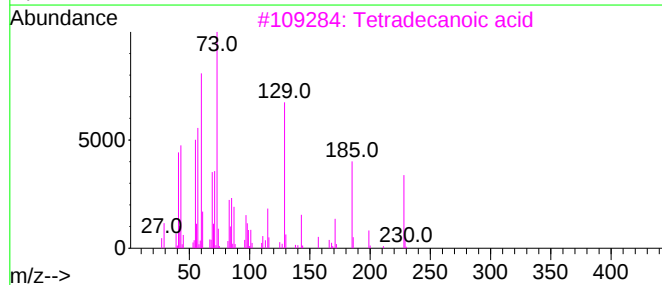
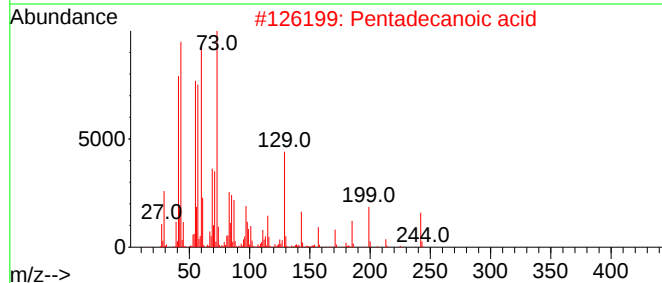
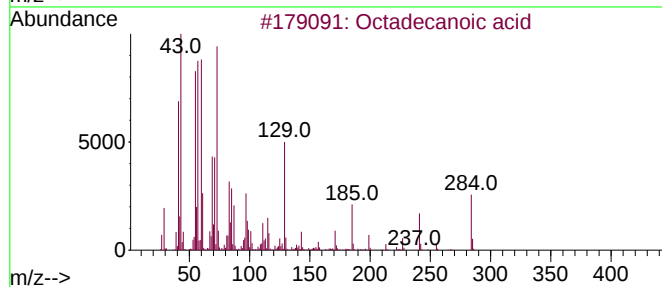
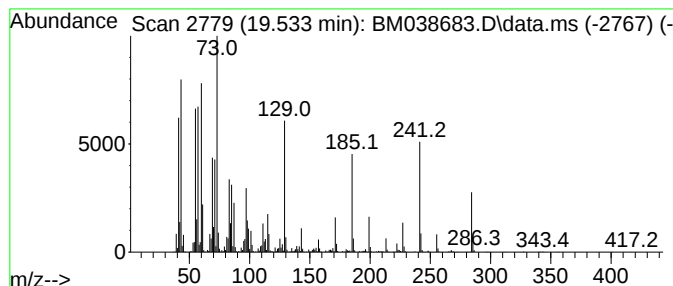
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.533	650.69 ng	44164800	Chrysene-d12	21.486

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	86
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4			Undecanoic acid	186	C11H22O2	000112-37-8	60
5			8-Methylnonanoic acid	172	C10H20O2	005963-14-4	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

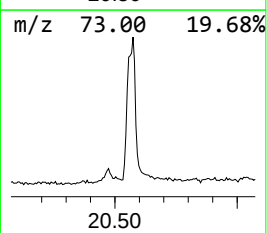
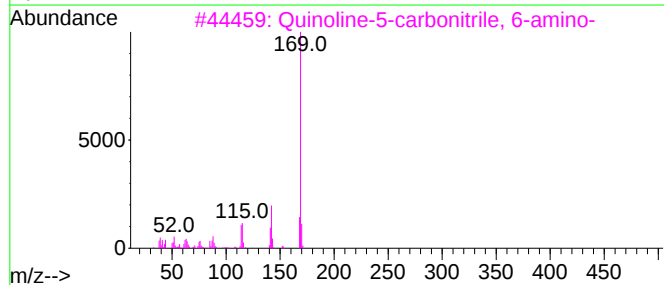
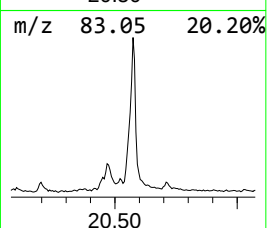
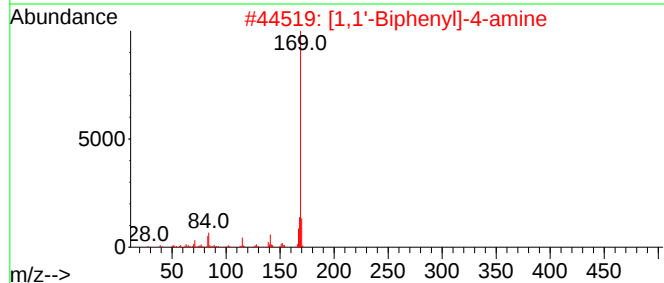
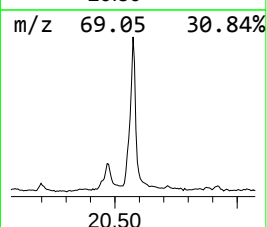
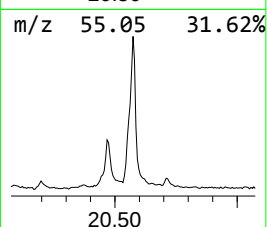
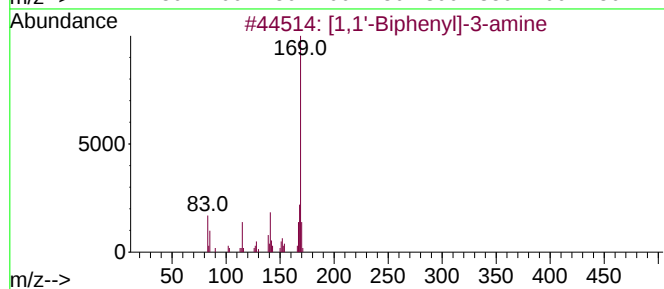
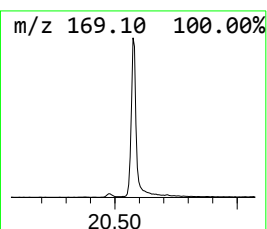
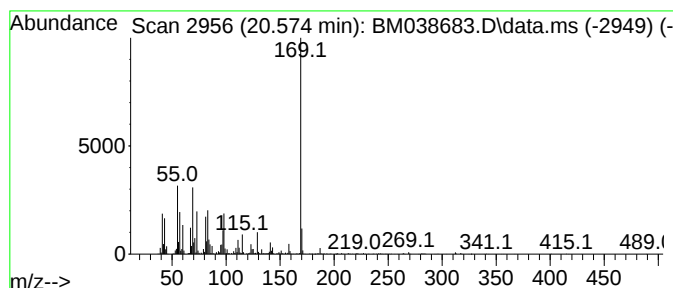
Instrument :
BNA_M
ClientSampleId :
MANHOLE

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

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

Peak Number 7 [1,1'-Biphenyl]-3-amine Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.574	50.44 ng	3423820	Chrysene-d12	21.486	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-3-amine	169	C12H11N	002243-47-2	59
2	[1,1'-Biphenyl]-4-amine	169	C12H11N	000092-67-1	43
3	Quinoline-5-carbonitrile, 6-amino-	169	C10H7N3	1000317-01-9	43
4	2-Aminobiphenyl	169	C12H11N	000090-41-5	43
5	5-Trimethylsilyluracil	184	C7H12N2O2Si	059523-07-8	40



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MANHOLE

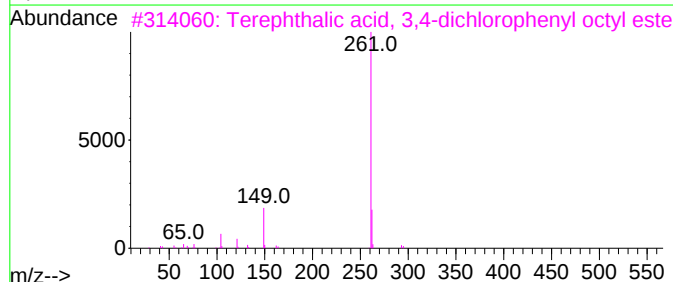
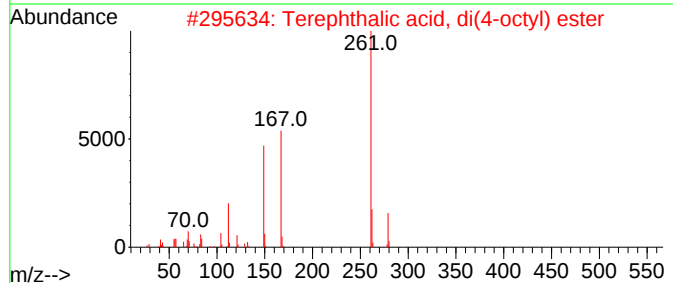
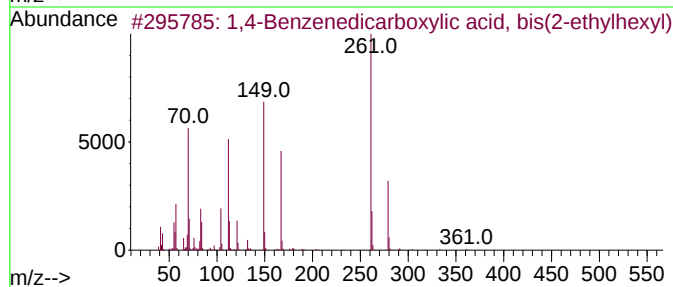
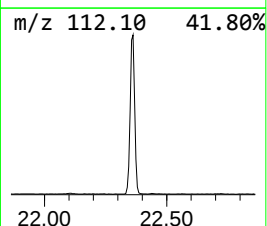
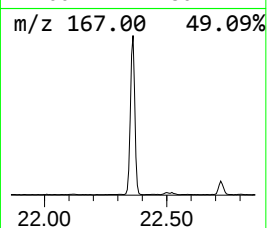
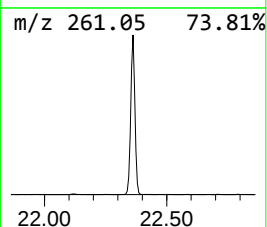
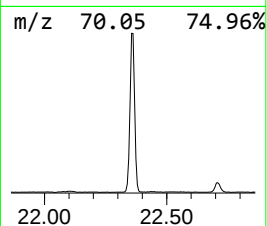
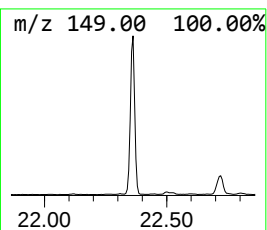
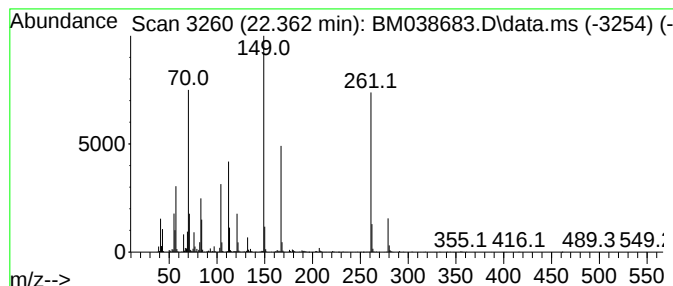
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1,4-Benzenedicarboxylic aci... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.362	49.40 ng	3352650	Chrysene-d12	21.486

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,4-Benzenedicarboxylic acid, bi...	390	C24H38O4	006422-86-2	50
2			Terephthalic acid, di(4-octyl) e...	390	C24H38O4	1000323-74-2	49
3			Terephthalic acid, 3,4-dichlorop...	422	C22H24Cl2O4	1010323-69-2	43
4			Terephthalic acid, octyl 2-penty...	348	C21H32O4	1000323-55-2	43
5			Terephthalic acid, 3-methylbut-2...	348	C21H32O4	1000356-27-6	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MANHOLE

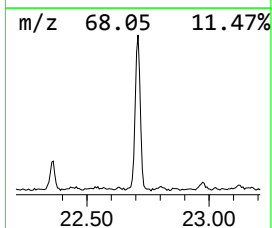
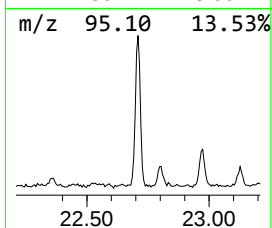
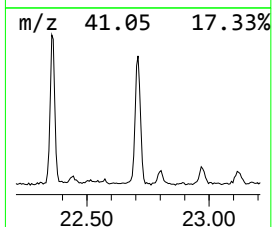
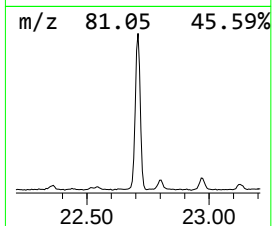
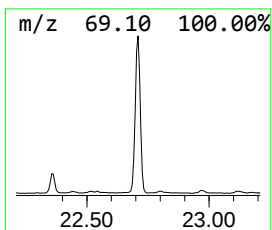
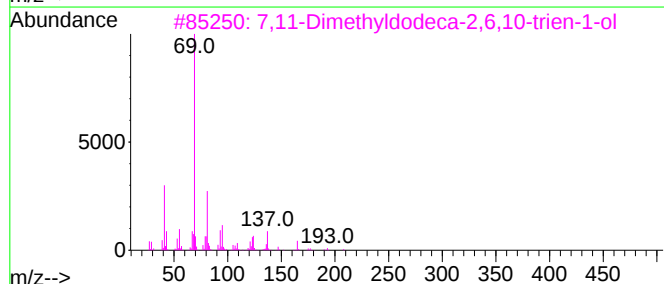
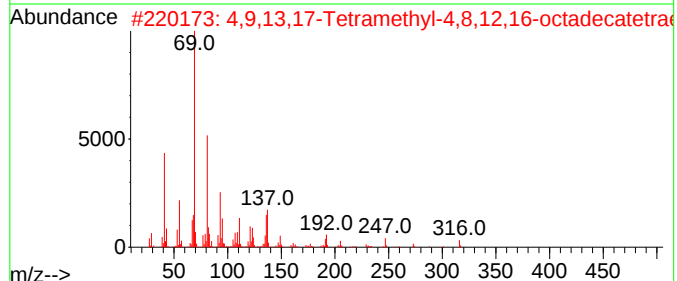
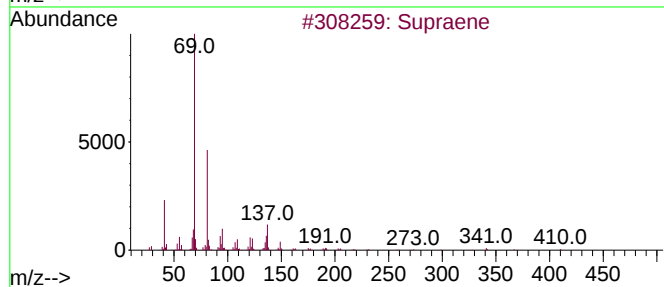
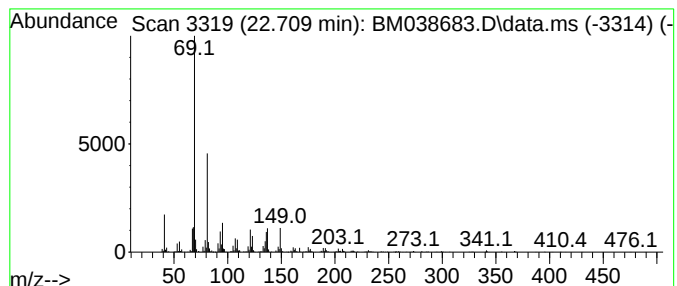
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Supraene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.709	32.54 ng	1745940	Perylene-d12	23.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Supraene	410	C30H50	007683-64-9	91
2			4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	83
3			7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	81
4			4,8,12-Tetradecatrilene, 5,9,13-...	248	C17H28O	066408-55-7	72
5			Squalene	410	C30H50	000111-02-4	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MANHOLE

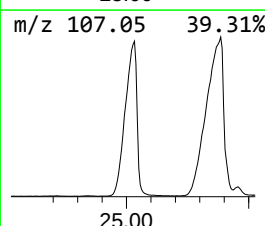
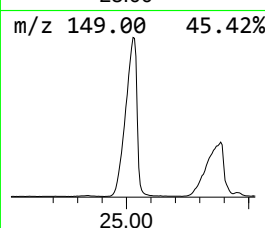
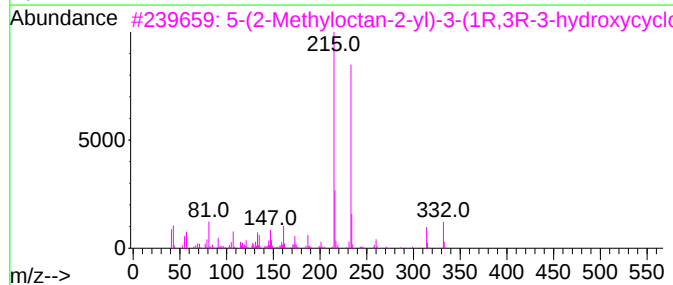
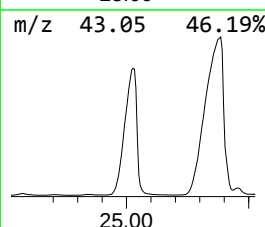
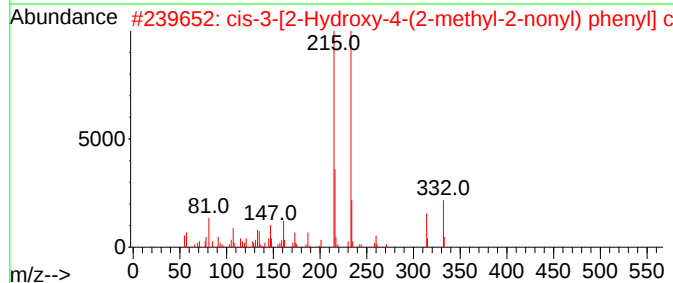
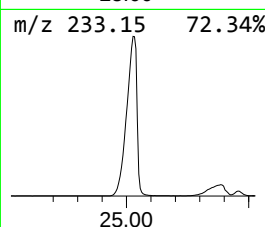
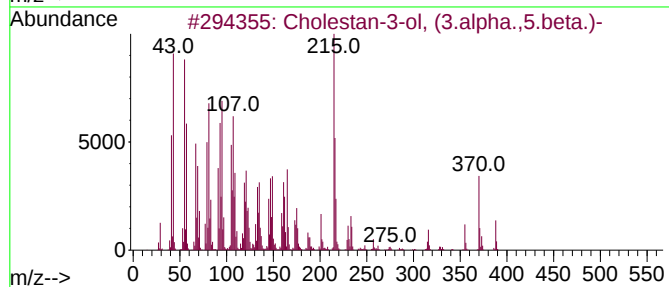
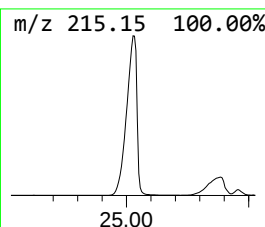
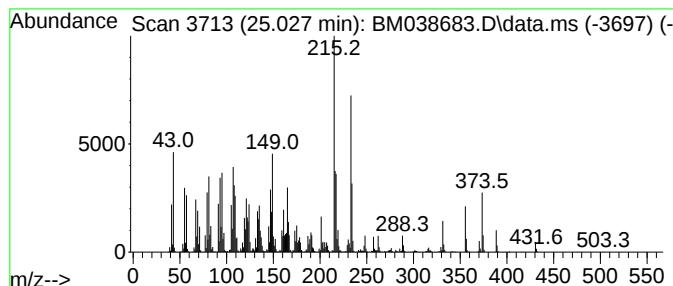
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cholestan-3-ol, (3.alpha.,5... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.027	1070.74 ng	57443800	Perylene-d12	23.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cholestan-3-ol, (3.alpha.,5.beta.)-	388	C27H48O	000516-92-7	84
2			cis-3-[2-Hydroxy-4-(2-methyl-2-n...	332	C22H36O2	1000370-41-9	64
3			5-(2-Methyloctan-2-yl)-3-(1R,3R-...	332	C22H36O2	070434-92-3	45
4			2-((1S,3R)-3-hydroxycyclohexyl)-...	332	C22H36O2	132296-11-8	45
5			Cholestanol	388	C27H48O	000080-97-7	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MANHOLE

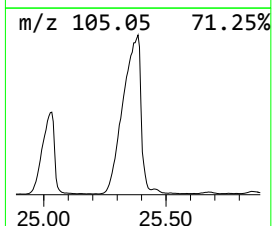
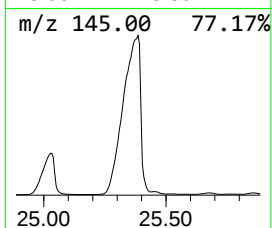
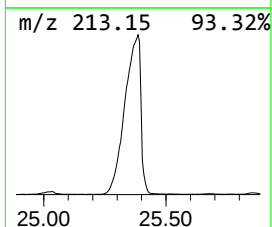
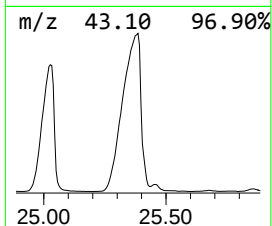
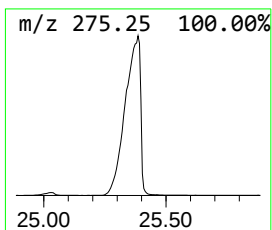
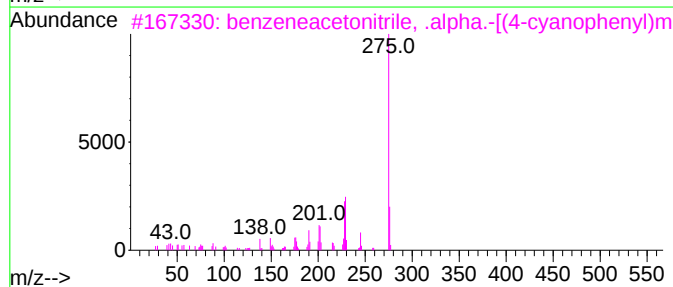
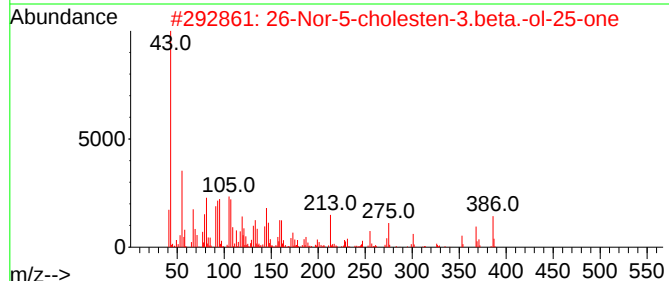
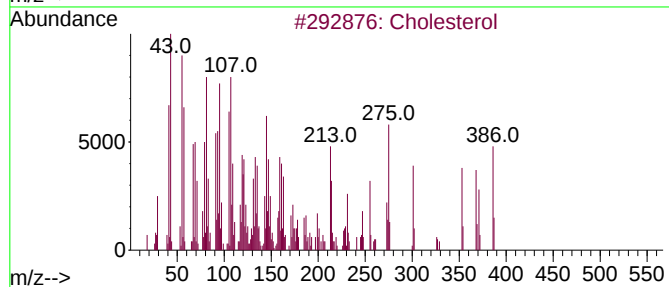
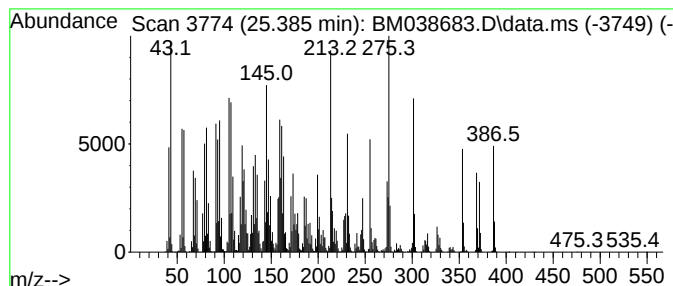
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cholesterol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.385	1993.17 ng	106931000	Perylene-d12	23.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cholesterol	386	C27H46O	000057-88-5	97
2			26-Nor-5-cholesten-3.beta.-ol-25...	386	C26H42O2	007494-34-0	97
3			benzeneacetonitrile, .alpha.-[(4...	275	C16H9N3O2	1000401-81-2	44
4			17-(1,5-Dimethylhexyl)-10,13-dim...	386	C27H46O	1000210-50-0	25
5			Benzaldehyde, 2-hydroxy-4-diethy...	275	C12H17N7O	321530-85-2	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MANHOLE

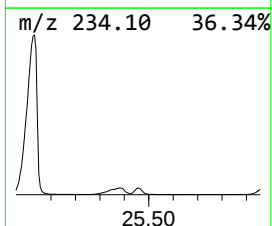
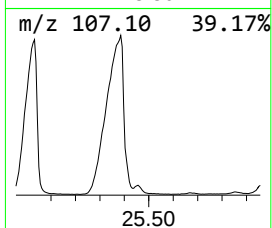
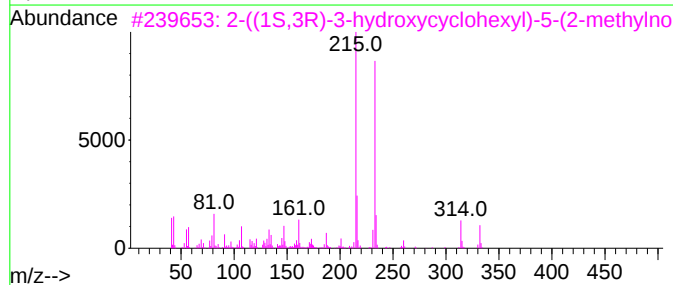
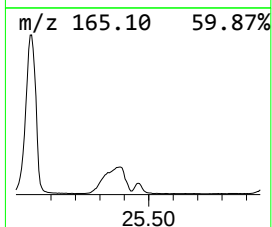
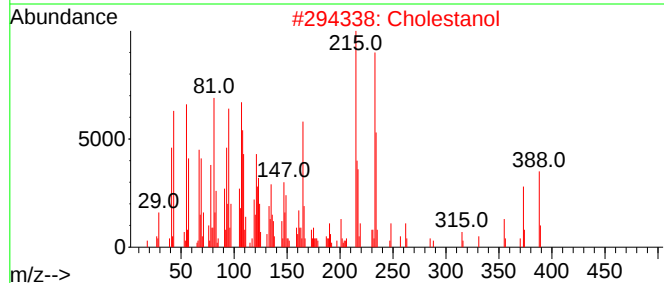
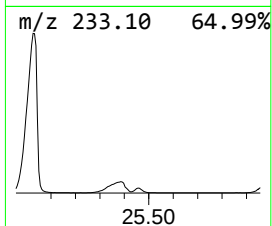
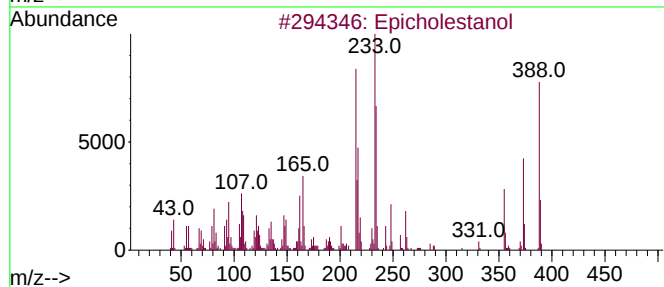
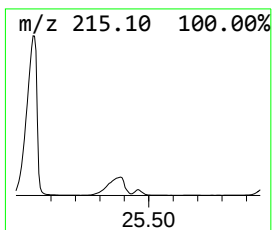
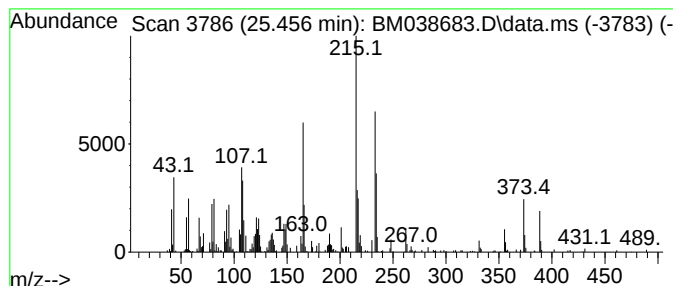
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Epicholestanol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.456	27.27 ng	1462870	Perylene-d12	23.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Epicholestanol	388	C27H48O	000516-95-0	60
2			Cholestanol	388	C27H48O	000080-97-7	58
3			2-((1S,3R)-3-hydroxycyclohexyl)-...	332	C22H36O2	132296-11-8	32
4			10-Fluoro-2,4-dimethylpyrimido[1...	215	C12H10FN3	1000388-01-0	25
5			Silane, methylvinyl(3,3-dimethyl...	316	C15H32O3Si2	1000421-66-1	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

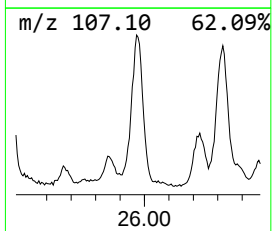
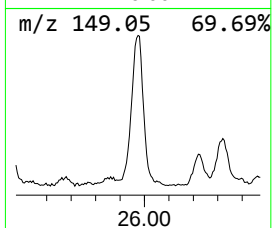
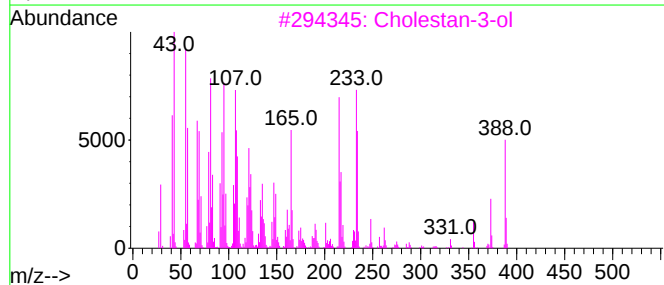
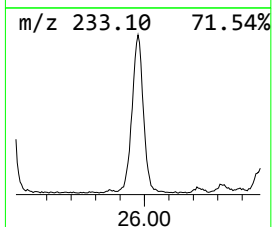
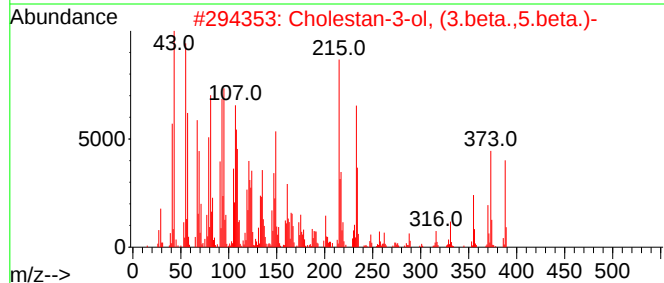
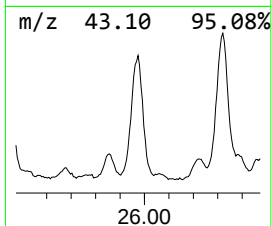
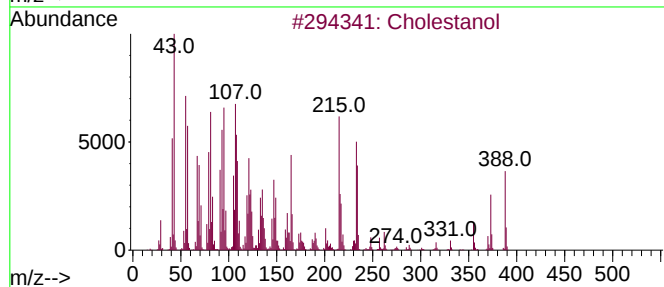
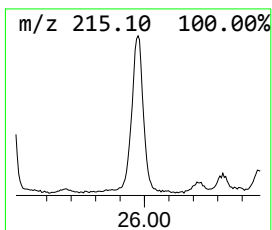
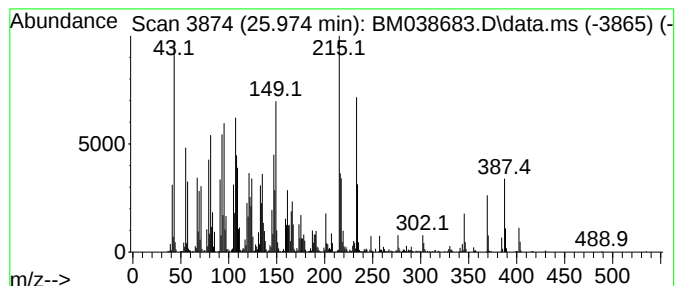
Instrument :
BNA_M
ClientSampleId :
MANHOLE

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

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

Peak Number 13 Cholesterol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.974	70.43 ng	3778260	Perylene-d12	23.886
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1		Cholesterol	388 C27H48O	000080-97-7 78
2		Cholestan-3-ol, (3.beta.,5.beta.)-	388 C27H48O	000360-68-9 76
3		Cholestan-3-ol	388 C27H48O	027409-41-2 49
4		Cholestan-3-ol, (3.alpha.,5.beta.)-	388 C27H48O	000516-92-7 46
5		5.beta.-Cholestan-3.alpha.-ol, m...	402 C28H50O	1000332-92-4 41



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MANHOLE

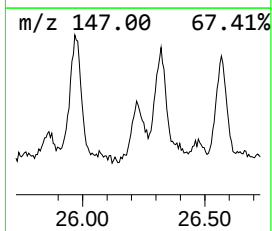
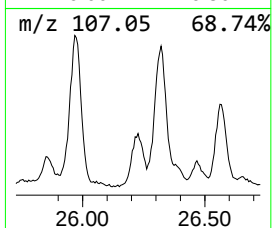
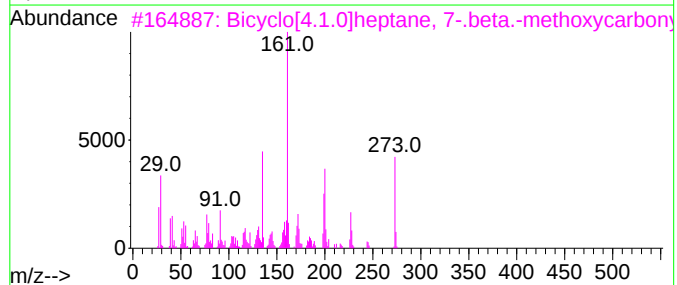
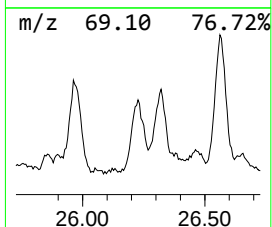
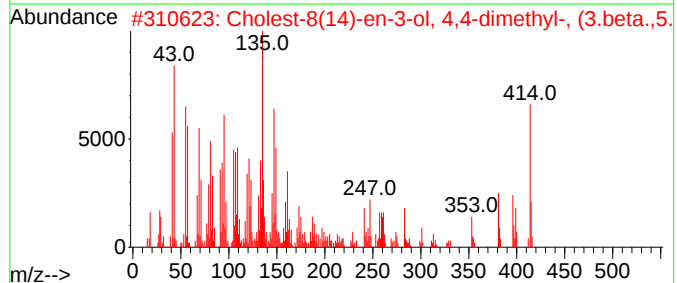
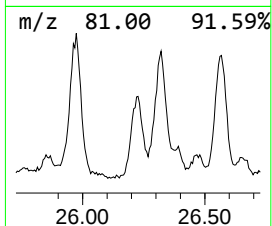
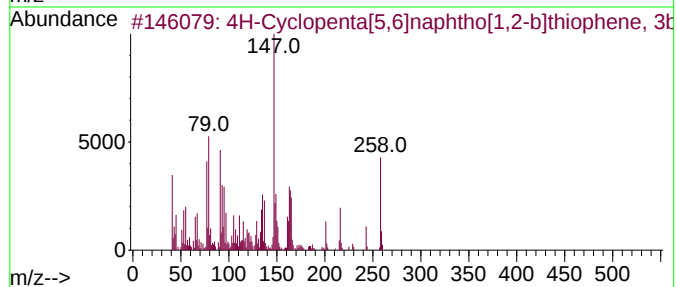
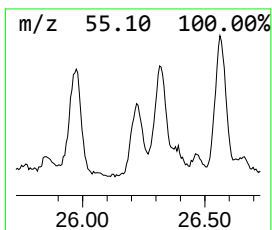
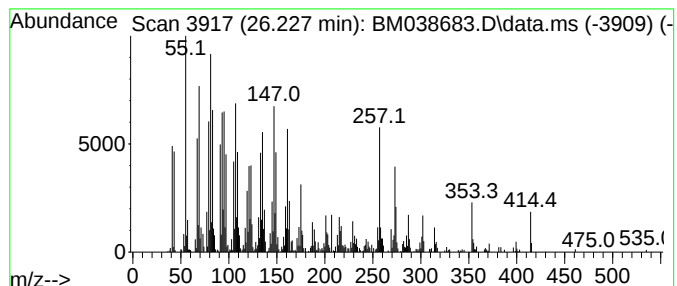
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown26.227 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.227	22.32 ng	1197370	Perylene-d12	23.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[5,6]naphtho[1,2-b]...	258	C17H22S	065121-19-9	45
2			Cholest-8(14)-en-3-ol, 4,4-dimet...	414	C29H50O	014772-51-1	38
3			Bicyclo[4.1.0]heptane, 7-.beta.-...	273	C16H19NO3	1000160-35-1	25
4			cis-Dehydrocrotonin	314	C19H22O4	136846-39-4	15
5			1-Naphthalenepropanol, .alpha.-e...	306	C20H34O2	001908-44-7	14



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MANHOLE

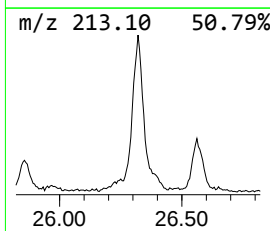
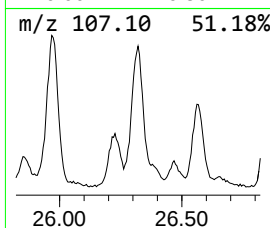
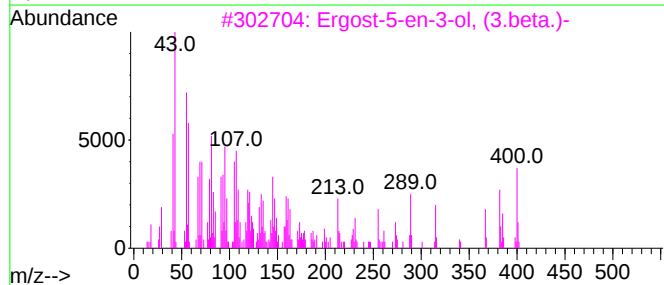
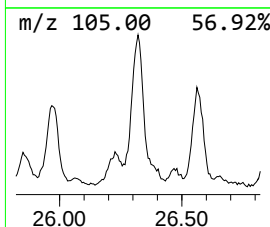
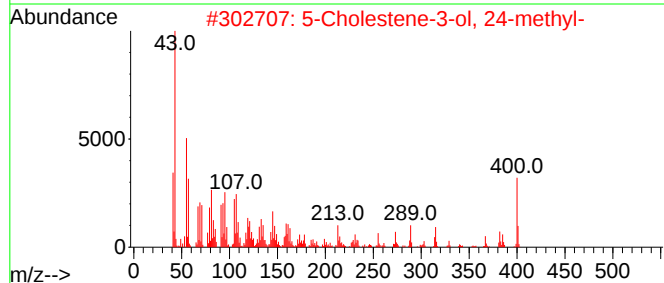
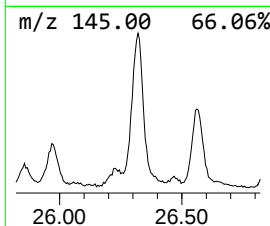
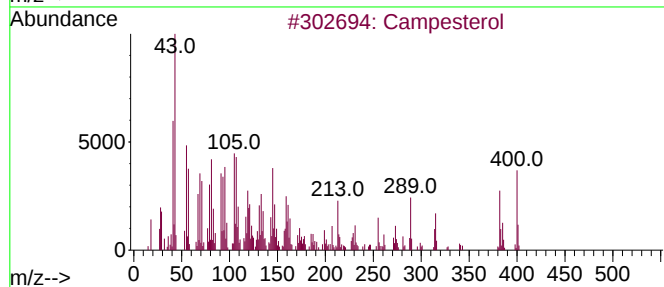
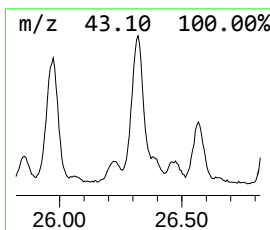
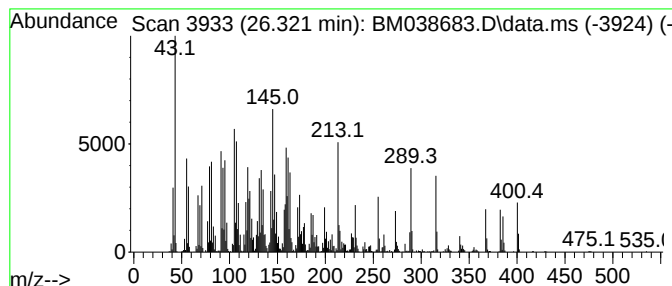
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Campesterol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.321	67.74 ng	3633990	Perylene-d12	23.886

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Campesterol	400	C28H48O	000474-62-4	98
2			5-Cholestene-3-ol, 24-methyl-	400	C28H48O	290299-12-6	84
3			Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	70
4			Ergost-7-en-3-ol, (3.beta.)-	400	C28H48O	026047-31-4	44
5			Cholest-5-ene, 3-methoxy-, (3.be...	400	C28H48O	001174-92-1	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MANHOLE

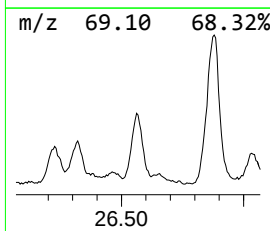
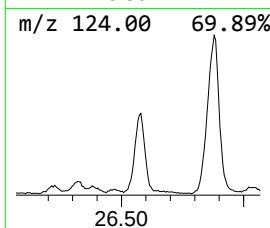
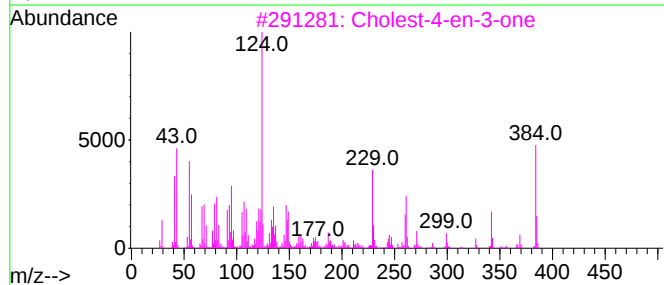
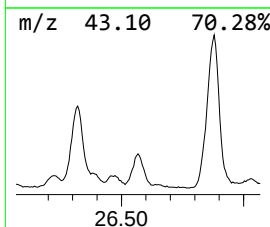
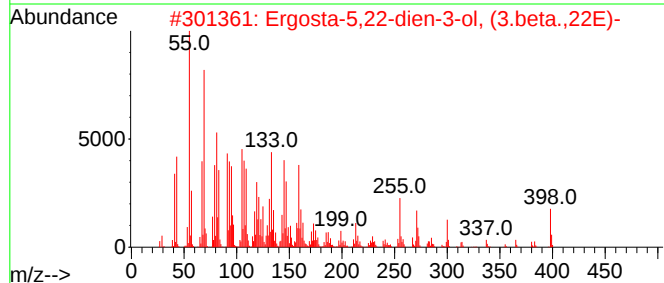
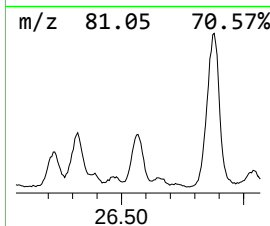
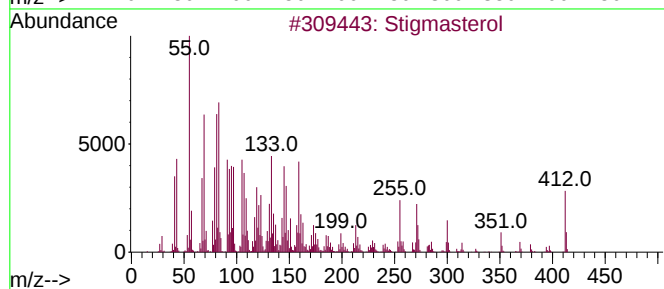
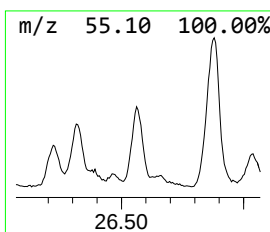
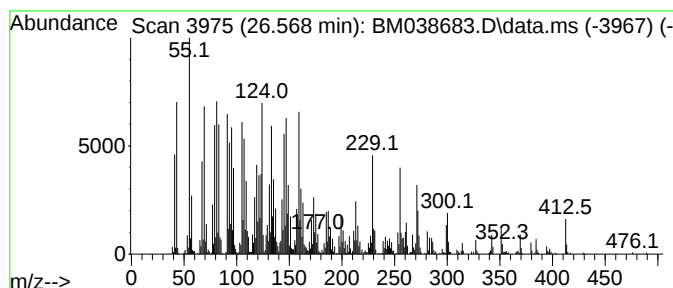
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Stigmasterol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.568	50.66 ng	2717960	Perylene-d12	23.886

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Stigmasterol	412	C29H48O	000083-48-7	99
2		Ergosta-5,22-dien-3-ol, (3.beta....	398	C28H46O	000474-67-9	58
3		Cholest-4-en-3-one	384	C27H44O	000601-57-0	55
4		Cholest-5-en-3-one	384	C27H44O	000601-54-7	53
5		Cholesta-5,22-dien-3-ol, (3.beta.)-	384	C27H44O	092218-20-7	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

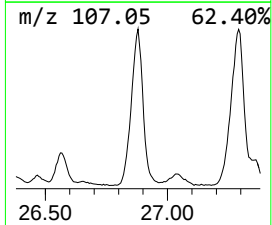
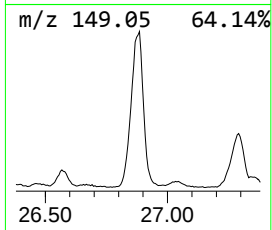
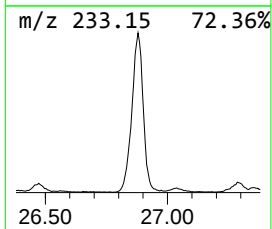
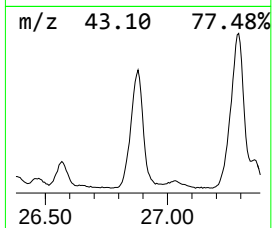
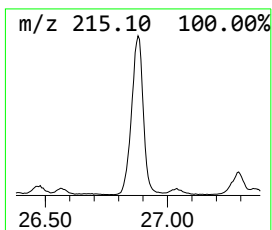
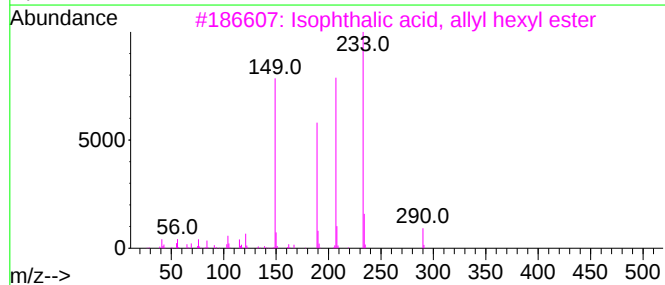
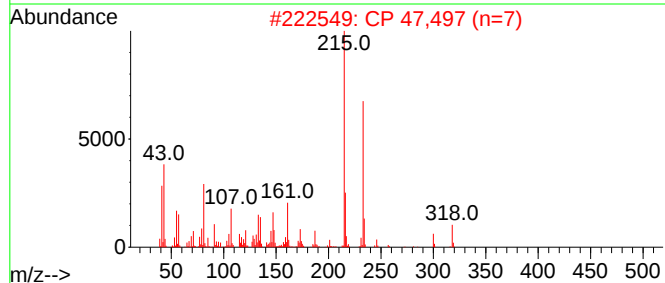
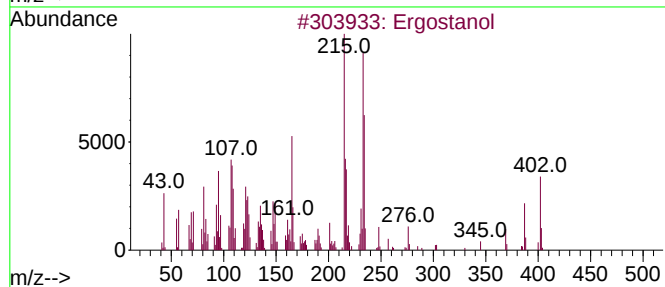
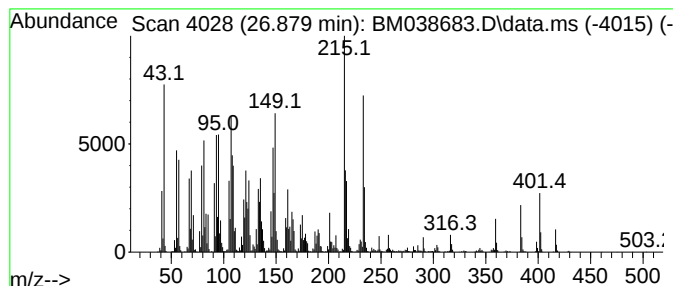
Instrument :
BNA_M
ClientSampleId :
MANHOLE

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

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

Peak Number 17 unknown26.880 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.880	203.80 ng	10933600	Perylene-d12	23.886
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1	Ergostanol	402 C28H50O	006538-02-9	47
2	CP 47,497 (n=7)	318 C21H34O2	070434-82-1	38
3	Isophthalic acid, allyl hexyl ester	290 C17H22O4	1000345-64-7	35
4	Terephthalic acid, monoamide, N,...	401 C26H27NO3	1000323-91-5	27
5	1aH-Benz[b]oxireno[h]benzofuran-...	286 C16H14O5	040801-46-5	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

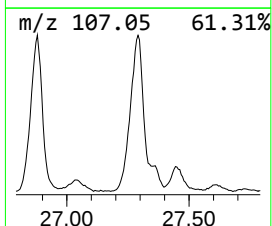
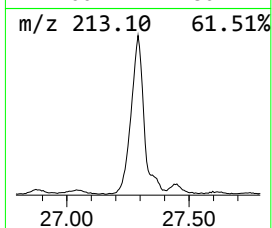
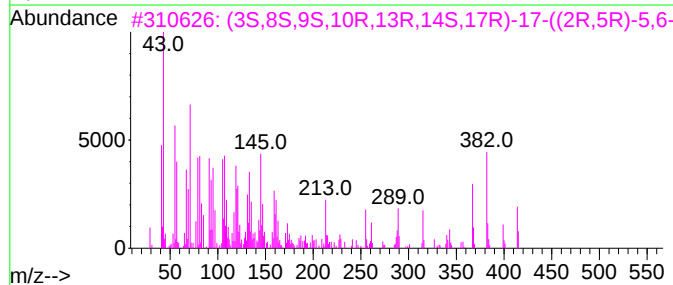
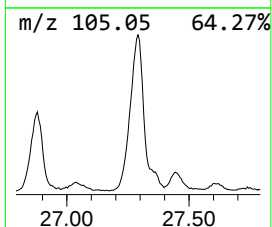
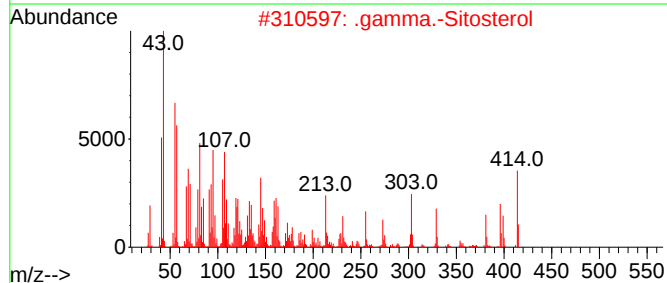
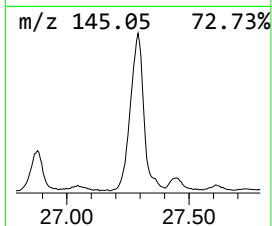
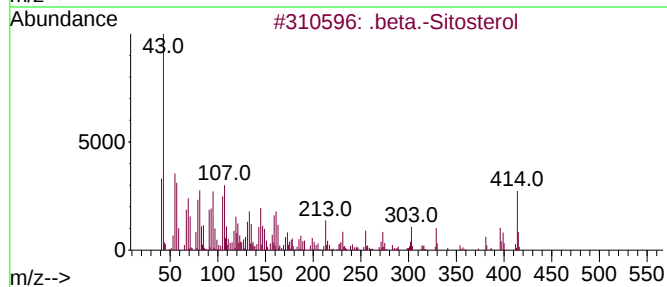
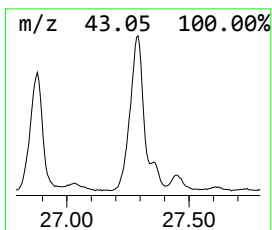
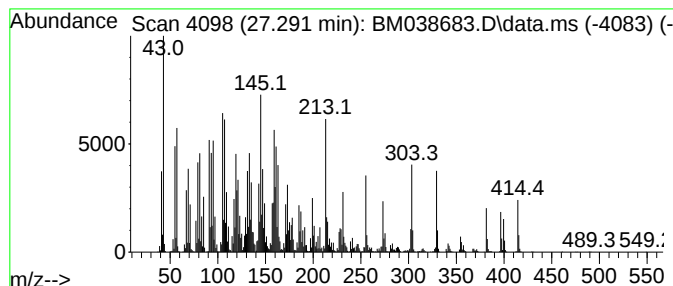
Instrument :
BNA_M
ClientSampleId :
MANHOLE

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

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

Peak Number 18 .beta.-Sitosterol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.	
27.291	267.58 ng	14355500	Perylene-d12		23.886	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	.beta.-Sitosterol		414	C29H50O	000083-46-5	99
2	.gamma.-Sitosterol		414	C29H50O	000083-47-6	97
3	(3S,8S,9S,10R,13R,14S,17R)-17-((...		414	C29H50O	029365-29-5	35
4	Campesterol		400	C28H48O	000474-62-4	25
5	(3S,8S,9S,10R,13R,14S,17R)-17-((...		428	C30H52O	020194-50-7	10



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MANHOLE

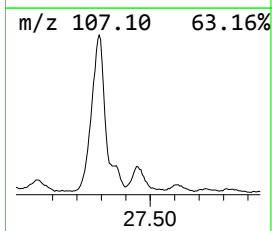
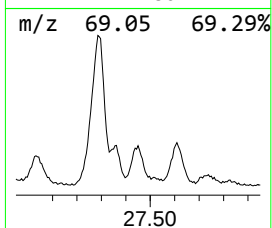
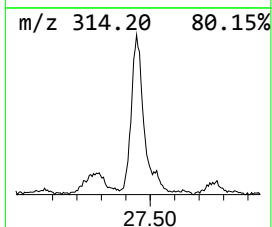
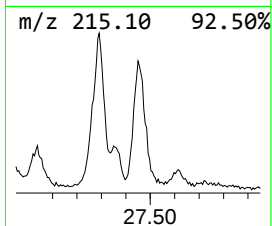
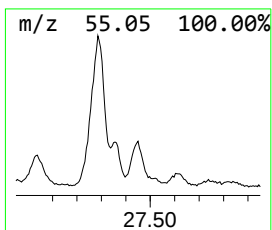
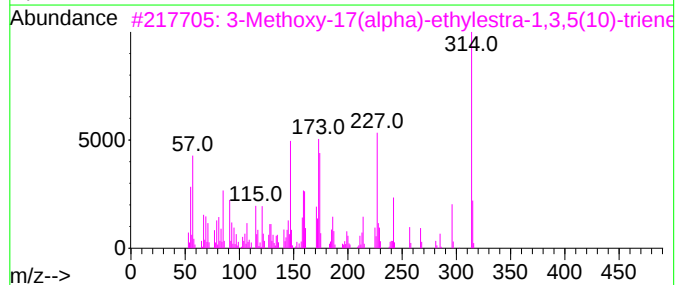
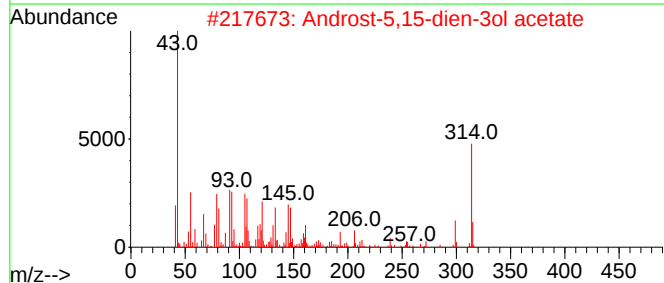
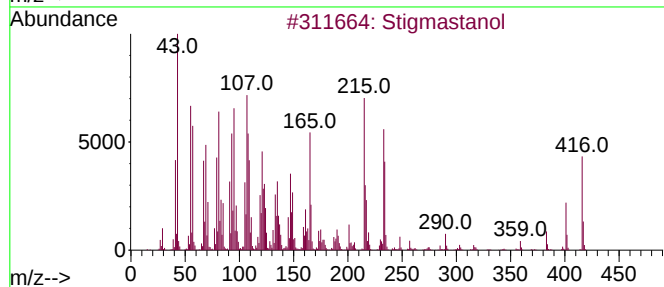
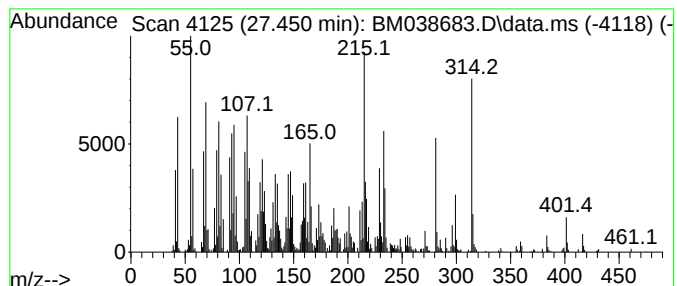
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Stigmastanol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
27.450	35.51 ng	1904810	Perylene-d12	23.886

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Stigmastanol	416	C29H52O	019466-47-8	94
2		Androst-5,15-dien-3ol acetate	314	C21H30O2	1000251-88-0	53
3		3-Methoxy-17(alpha)-ethylestra-1...	314	C21H30O2	1000215-58-4	45
4		Pregna-5,16-dien-20-one, 3-hydro...	314	C21H30O2	001162-53-4	44
5		Retinoic acid, methyl ester	314	C21H30O2	000339-16-2	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020323\
Data File : BM038683.D
Acq On : 03 Feb 2023 17:34
Operator : CG/JU
Sample : 01375-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MANHOLE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.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
Benzophenone	15.921	22.7	ng	1362170	3	14.563	1201350	20.0
Tetradecanoic acid	16.715	20.0	ng	1549030	4	17.310	1549030	20.0
n-Hexadecanoic ...	18.274	550.1	ng	42603800	4	17.310	1549030	20.0
9-Octadecenoic ...	19.368	49.6	ng	3839610	4	17.310	1549030	20.0
Oleic Acid	19.415	120.1	ng	8148530	5	21.486	1357480	20.0
Octadecanoic acid	19.533	650.7	ng	44164800	5	21.486	1357480	20.0
[1,1'-Biphenyl]...	20.574	50.4	ng	3423820	5	21.486	1357480	20.0
1,4-Benzenedica...	22.362	49.4	ng	3352650	5	21.486	1357480	20.0
Supraene	22.709	32.5	ng	1745940	6	23.886	1072980	20.0
Cholestan-3-ol,...	25.027	1070.7	ng	57443800	6	23.886	1072980	20.0
Cholesterol	25.385	1993.2	ng	106931000	6	23.886	1072980	20.0
Epicholesterol	25.456	27.3	ng	1462870	6	23.886	1072980	20.0
Cholesterol	25.974	70.4	ng	3778260	6	23.886	1072980	20.0
unknown26.227	26.227	22.3	ng	1197370	6	23.886	1072980	20.0
Campesterol	26.321	67.7	ng	3633990	6	23.886	1072980	20.0
Stigmasterol	26.568	50.7	ng	2717960	6	23.886	1072980	20.0
unknown26.880	26.880	203.8	ng	10933600	6	23.886	1072980	20.0
.beta.-Sitosterol	27.291	267.6	ng	14355500	6	23.886	1072980	20.0
Stigmastanol	27.450	35.5	ng	1904810	6	23.886	1072980	20.0