

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135091.D
 Acq On : 05 Sep 2023 12:47
 Operator : CG\JU
 Sample : 04212-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-OU3-DENALI-2

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_F\Methods\8270-BF083023.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135091.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.151	6	11	19	rVB	23163	37165	1.46%	0.155%
2	5.010	494	497	503	rVB	26454	35341	1.39%	0.148%
3	5.404	559	564	567	rBV	2790245	2551172	100.00%	10.652%
4	6.410	730	735	738	rBV	2495063	2543909	99.72%	10.622%
5	6.769	792	796	800	rBV	841968	646812	25.35%	2.701%
6	7.333	887	892	895	rBV	1842968	1701421	66.69%	7.104%
7	8.051	1009	1014	1017	rBV	864771	792352	31.06%	3.308%
8	9.128	1192	1197	1200	rBV	2701539	2286739	89.63%	9.548%
9	9.245	1213	1217	1220	rBV	27660	27242	1.07%	0.114%
10	9.463	1251	1254	1257	rVB2	42344	36070	1.41%	0.151%
11	9.657	1283	1287	1293	rVB2	48025	68119	2.67%	0.284%
12	9.804	1306	1312	1316	rBV	916819	849054	33.28%	3.545%
13	9.927	1330	1333	1337	rVB2	33609	27287	1.07%	0.114%
14	10.016	1343	1348	1351	rBV3	21726	32252	1.26%	0.135%
15	10.598	1439	1447	1451	rBV	1711695	1616322	63.36%	6.749%
16	10.969	1502	1510	1517	rBV	26087	58507	2.29%	0.244%
17	11.251	1555	1558	1562	rBV5	20753	27651	1.08%	0.115%
18	11.298	1562	1566	1569	rVV	951848	821565	32.20%	3.430%
19	11.321	1569	1570	1574	rVV	113179	79711	3.12%	0.333%
20	11.374	1574	1579	1581	rVB2	30109	41881	1.64%	0.175%
21	11.410	1581	1585	1588	rBV3	33008	37305	1.46%	0.156%
22	11.763	1640	1645	1647	rBV4	43130	56732	2.22%	0.237%
23	11.839	1653	1658	1663	rBV2	579189	651136	25.52%	2.719%
24	11.916	1668	1671	1673	rBV	37677	36216	1.42%	0.151%
25	11.992	1679	1684	1691	rBV5	88319	145428	5.70%	0.607%
26	12.251	1721	1728	1730	rBV6	27396	39685	1.56%	0.166%
27	12.357	1743	1746	1748	rBV	25262	29179	1.14%	0.122%
28	12.380	1748	1750	1751	rVV2	43258	38265	1.50%	0.160%
29	12.398	1751	1753	1758	rVB2	61555	65003	2.55%	0.271%
30	12.439	1758	1760	1765	rBV3	22938	30628	1.20%	0.128%
31	12.516	1770	1773	1777	rBV	220713	236940	9.29%	0.989%
32	12.557	1777	1780	1787	rVB2	119279	175068	6.86%	0.731%
33	12.627	1787	1792	1797	rBV2	225460	296208	11.61%	1.237%
34	12.745	1805	1812	1815	rBV	197029	201069	7.88%	0.840%
35	12.898	1834	1838	1841	rBV	1842791	1606785	62.98%	6.709%
36	12.968	1847	1850	1853	rBV4	21438	26561	1.04%	0.111%

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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_F\Methods\8270-BF083023.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.074	1862	1868	1873	rBV2	34195	63094	2.47%	0.263%
38	13.139	1876	1879	1882	rVV2	46938	57024	2.24%	0.238%
39	13.180	1884	1886	1891	rVB	37432	41519	1.63%	0.173%
40	13.274	1899	1902	1904	rBV	42698	36454	1.43%	0.152%
41	13.298	1904	1906	1909	rBV2	46972	51072	2.00%	0.213%
42	13.415	1922	1926	1931	rVB2	119694	143572	5.63%	0.599%
43	13.592	1953	1956	1960	rVB2	33552	39373	1.54%	0.164%
44	13.657	1965	1967	1971	rVB2	102196	103957	4.07%	0.434%
45	13.751	1981	1983	1989	rVB2	171576	154278	6.05%	0.644%
46	13.827	1993	1996	2004	rVB3	119318	171494	6.72%	0.716%
47	13.957	2011	2018	2020	rBV2	606633	708896	27.79%	2.960%
48	13.980	2020	2022	2024	rVB	102357	76452	3.00%	0.319%
49	14.027	2027	2030	2033	rBV3	59030	81291	3.19%	0.339%
50	14.439	2097	2100	2102	rVV	86508	71214	2.79%	0.297%
51	14.468	2102	2105	2112	rVB3	122805	175699	6.89%	0.734%
52	14.815	2162	2164	2171	rVB3	70698	89102	3.49%	0.372%
53	14.992	2191	2194	2198	rBV	122908	171920	6.74%	0.718%
54	15.086	2206	2210	2216	rVB2	286479	331956	13.01%	1.386%
55	15.145	2216	2220	2230	rVB7	46137	100378	3.93%	0.419%
56	15.298	2242	2246	2252	rVB	79274	102738	4.03%	0.429%
57	15.357	2252	2256	2262	rVB	115594	158252	6.20%	0.661%
58	15.421	2263	2267	2271	rBV	453763	570797	22.37%	2.383%
59	15.915	2346	2351	2357	rBV	229070	365388	14.32%	1.526%
60	15.986	2360	2363	2371	rVV6	49481	105995	4.15%	0.443%
61	16.898	2514	2518	2524	rBV2	44545	82269	3.22%	0.344%
62	17.539	2619	2627	2640	rVB8	266532	971074	38.06%	4.055%
63	17.998	2698	2705	2711	rBV5	116356	369790	14.49%	1.544%
64	18.339	2756	2763	2764	rBV5	171283	295128	11.57%	1.232%
65	18.550	2795	2799	2808	rVB5	122730	306743	12.02%	1.281%

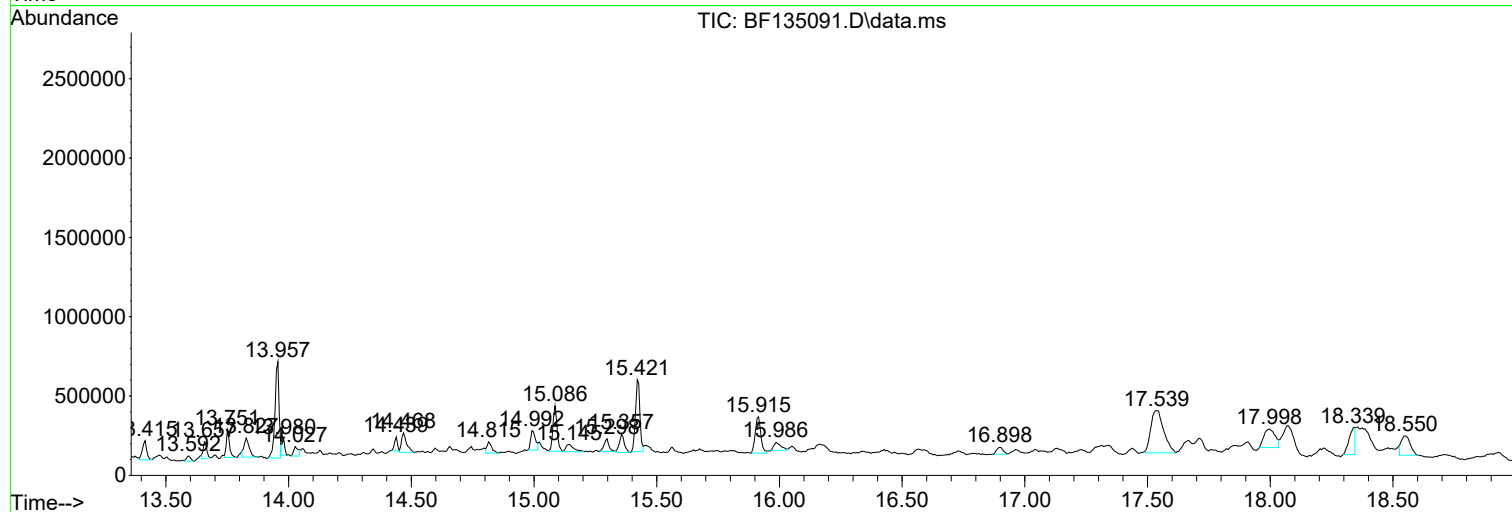
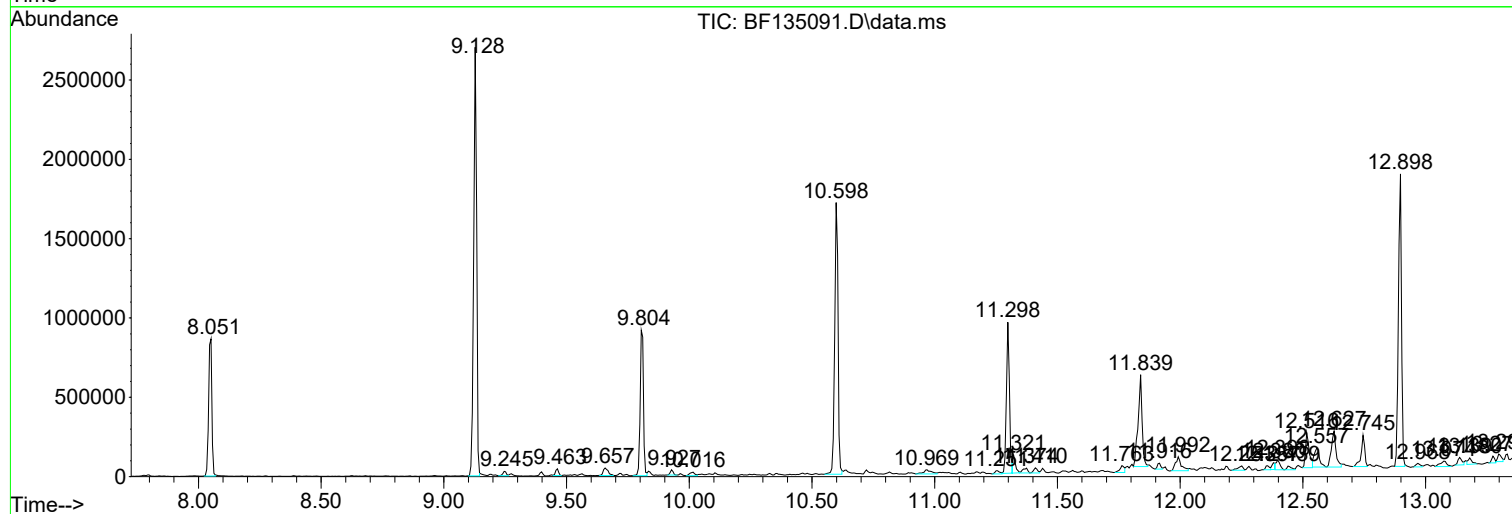
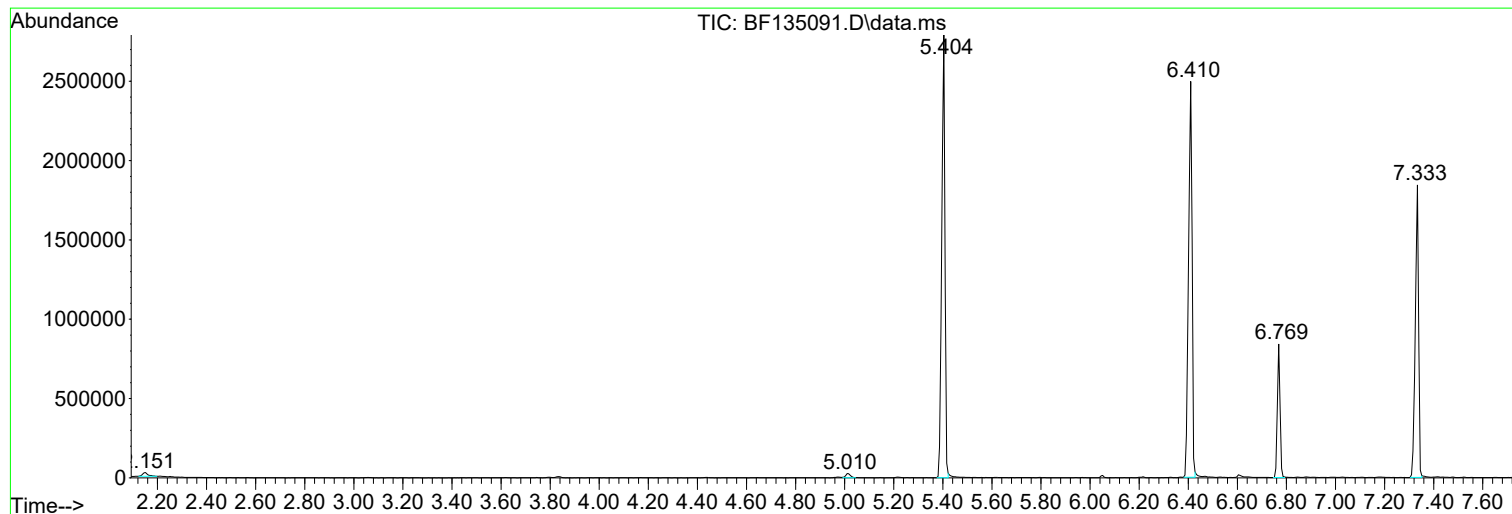
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Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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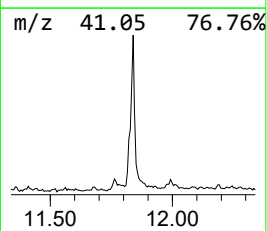
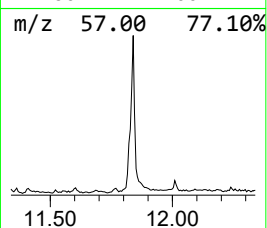
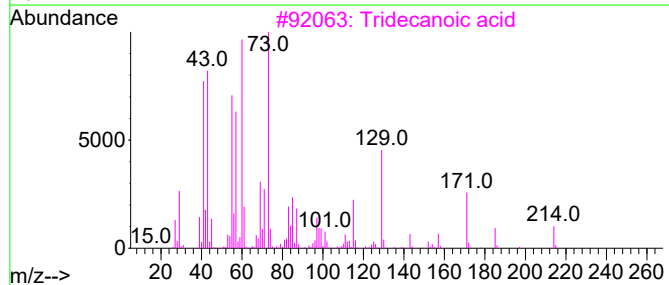
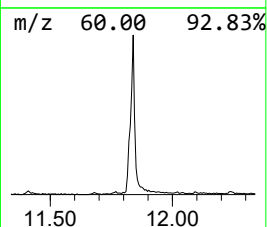
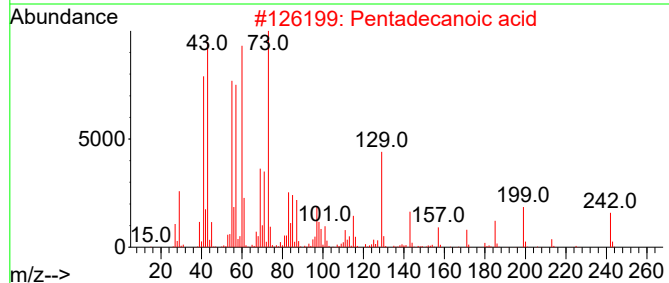
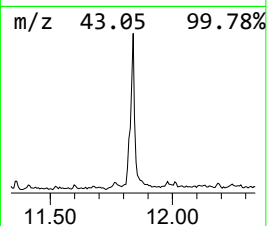
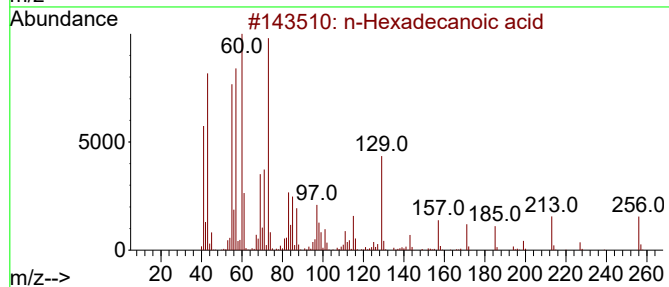
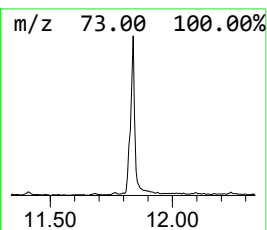
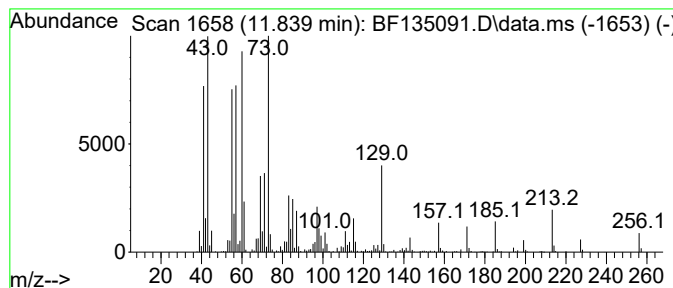
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	15.85 ng	651136	Phenanthrene-d10	11.298

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3			Tridecanoic acid	214	C13H26O2	000638-53-9	90
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5			n-Decanoic acid	172	C10H20O2	000334-48-5	70



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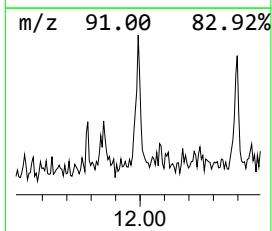
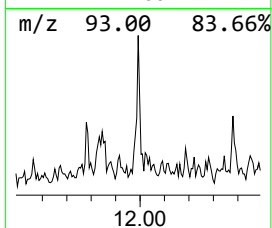
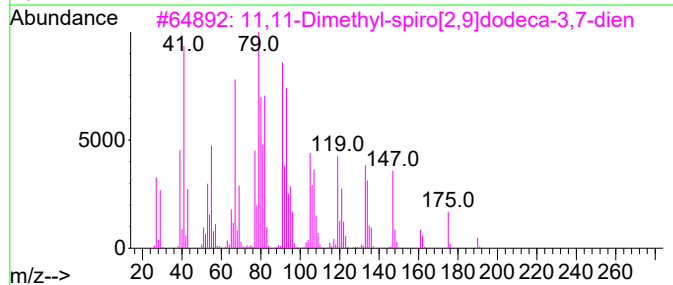
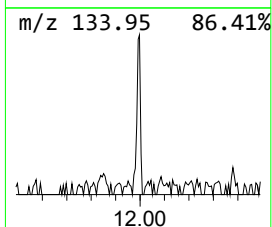
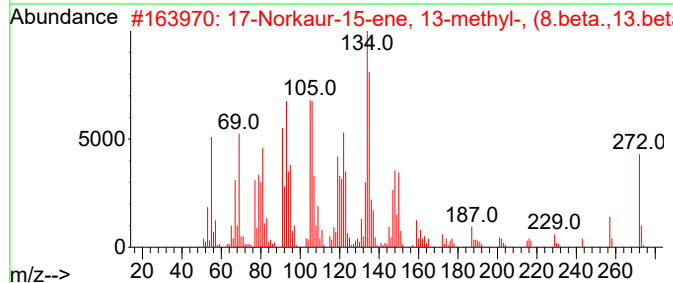
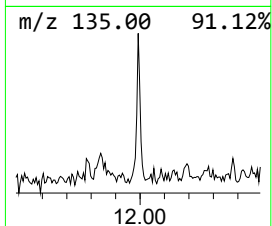
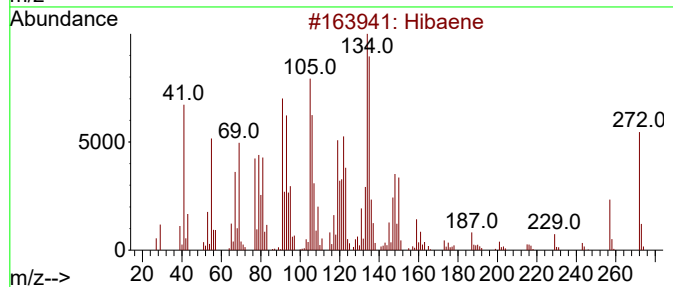
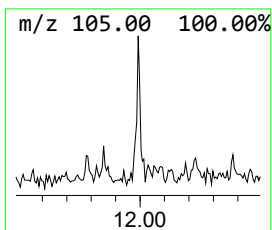
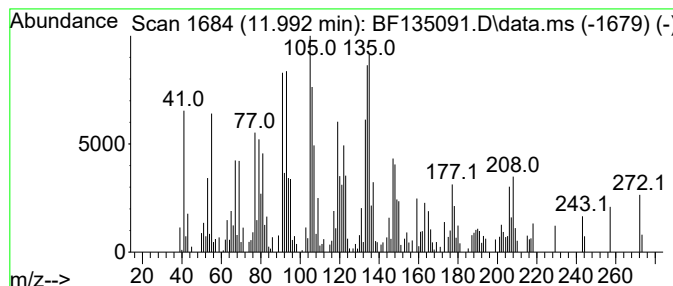
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Hibaene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	3.54 ng	145428	Phenanthrene-d10	11.298

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hibaene	272	C20H32	002359-73-1	99
2			17-Norkaur-15-ene, 13-methyl-, (...	272	C20H32	003564-54-3	97
3			11,11-Dimethyl-spiro[2,9]dodeca-...	190	C14H22	1000062-28-4	44
4			2,5,5,8a-Tetramethyl-6,7,8,8a-te...	208	C13H20O2	097306-62-2	38
5			4-Amino-7-[2,3-dihydroxypropyl]p...	208	C9H12N4O2	1000212-65-8	30



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ClientSampleId :
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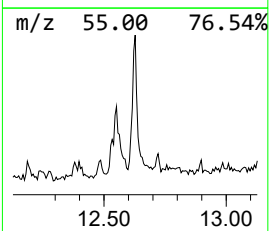
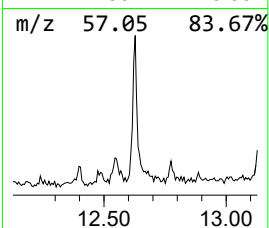
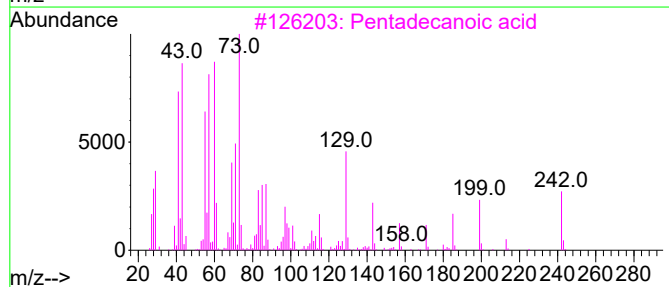
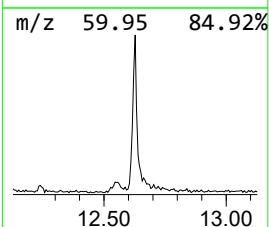
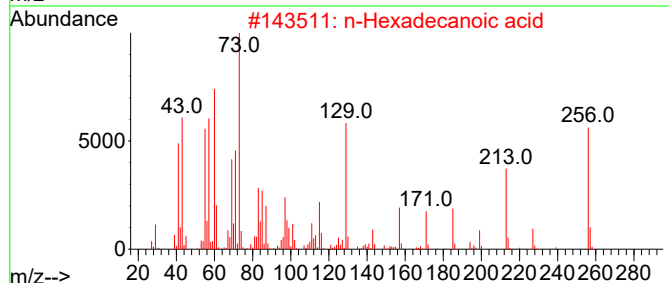
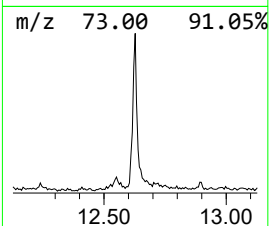
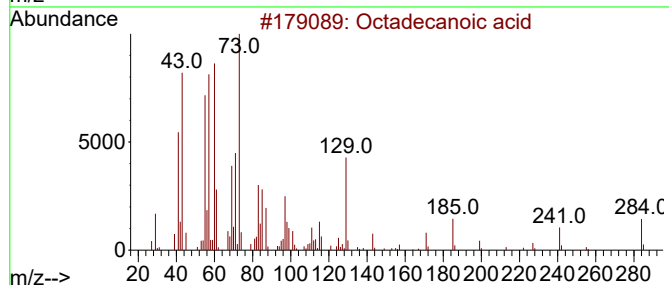
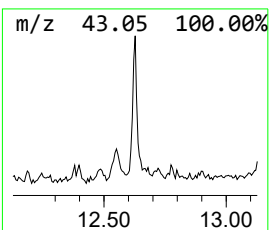
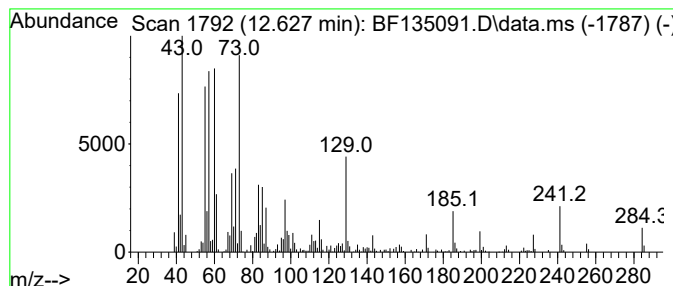
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.627	7.21 ng	296208	Phenanthrene-d10	11.298

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	89
4			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	72



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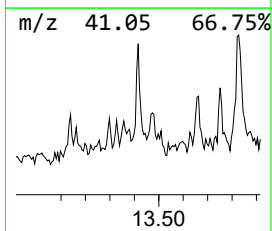
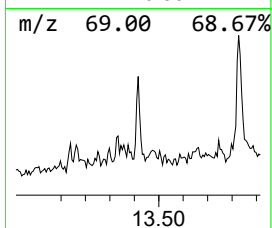
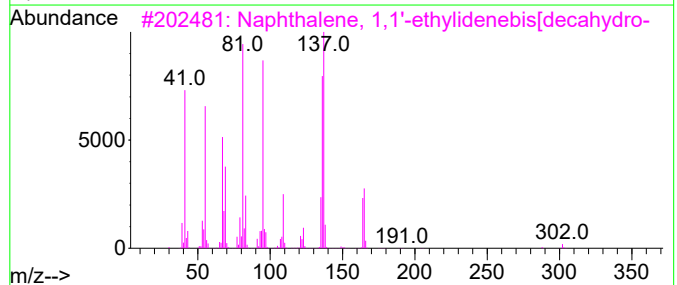
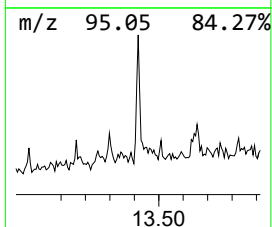
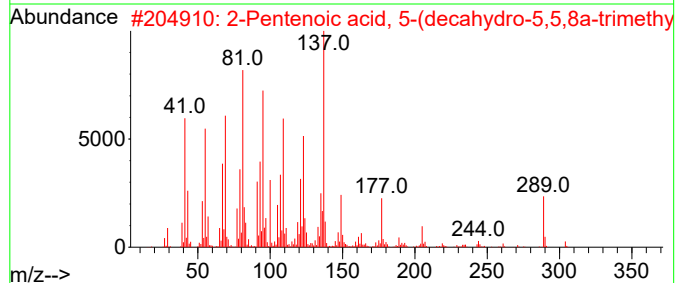
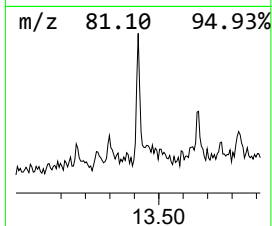
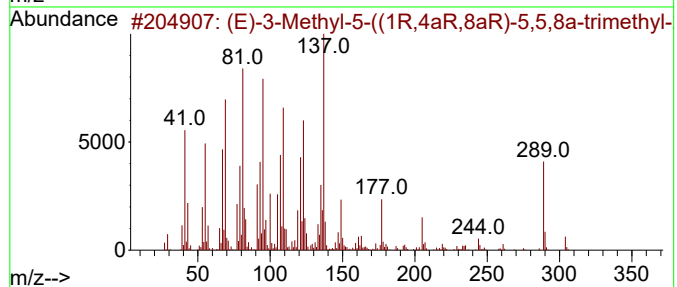
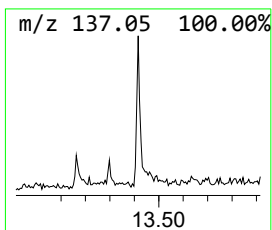
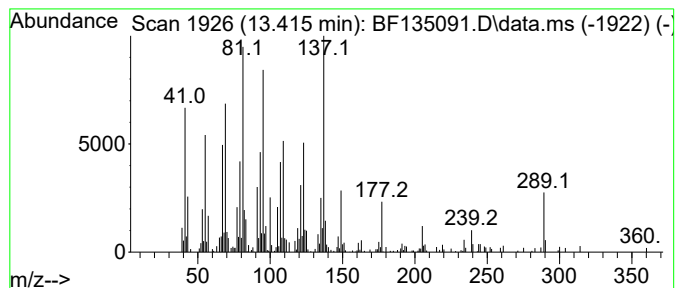
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 (E)-3-Methyl-5-((1R,4aR,8aR... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.416	4.05 ng	143572	Chrysene-d12	13.957

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Methyl-5-((1R,4aR,8aR)-5,5...	304	C20H32O2	020257-75-4	91		
2	2-Pentenoic acid, 5-(decahydro-5...	304	C20H32O2	024470-48-2	86		
3	Naphthalene, 1,1'-ethylidenebis[...	302	C22H38	054934-70-2	52		
4	Naphthalene, 1,1'-(1,2-ethanedi...	302	C22H38	054934-69-9	47		
5	Naphthalene, 2-decyldecahydro-	278	C20H38	054964-84-0	46		



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Data File : BF135091.D
Acq On : 05 Sep 2023 12:47
Operator : CG\JU
Sample : 04212-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

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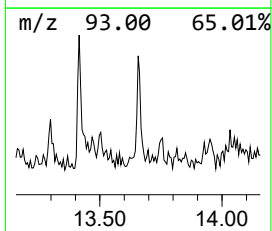
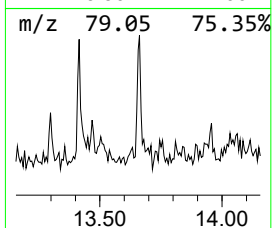
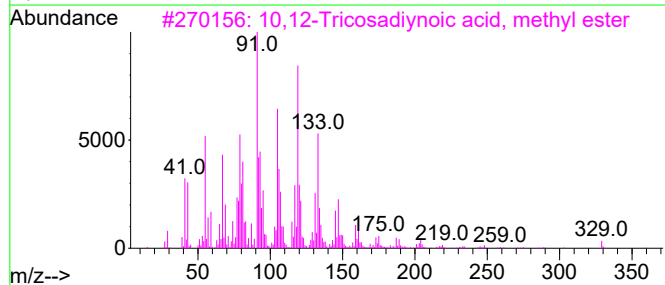
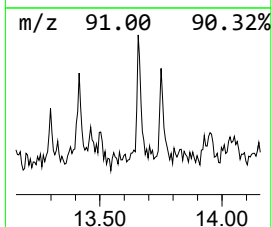
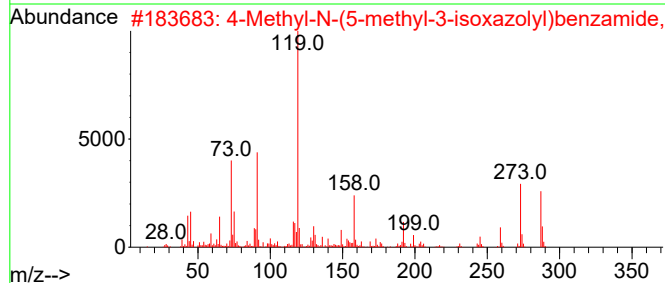
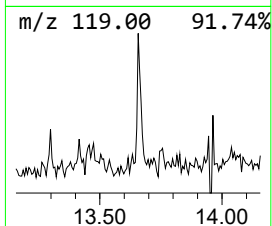
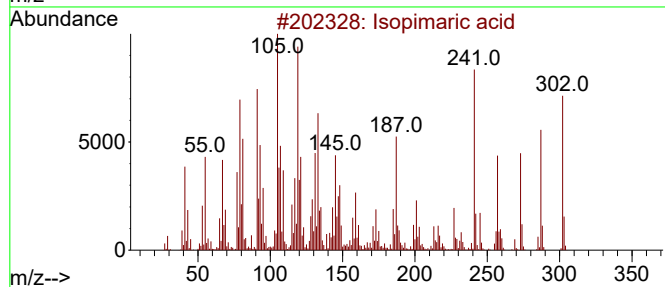
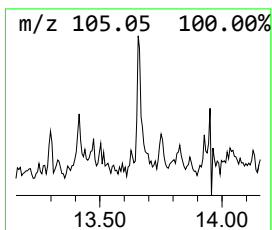
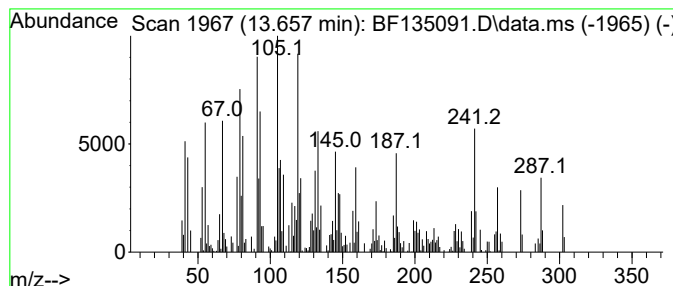
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Isopimaric acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.657	2.93 ng	103957	Chrysene-d12	13.957

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isopimaric acid	302	C20H30O2	005835-26-7	96
2			4-Methyl-N-(5-methyl-3-isoxazoly...	288	C15H20N2O2Si	1000487-88-9	35
3			10,12-Tricosadiynoic acid, methy...	360	C24H40O2	1010333-59-4	27
4			Benzene, 1-(bromomethyl)-4-(1-me...	212	C10H13Br	073789-86-3	20
5			Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	14



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135091.D
Acq On : 05 Sep 2023 12:47
Operator : CG\JU
Sample : 04212-01
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ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
TOPSOIL-OU3-DENALI-2

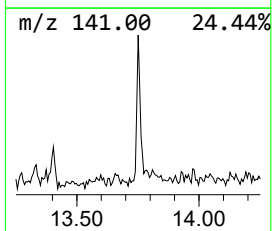
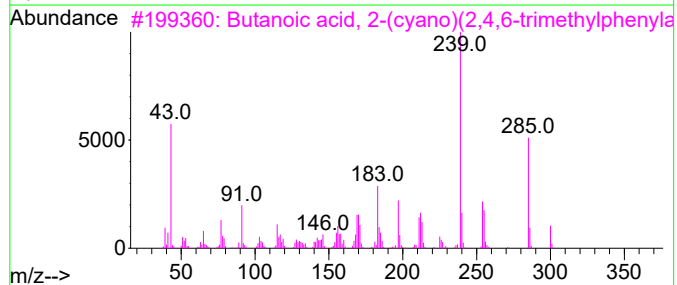
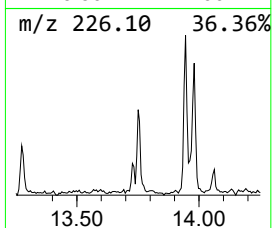
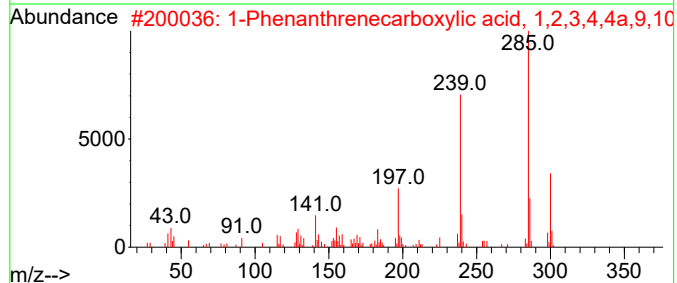
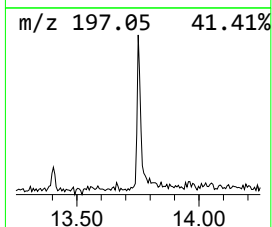
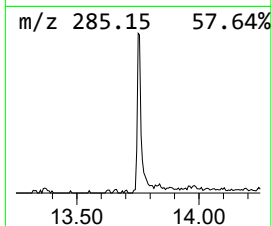
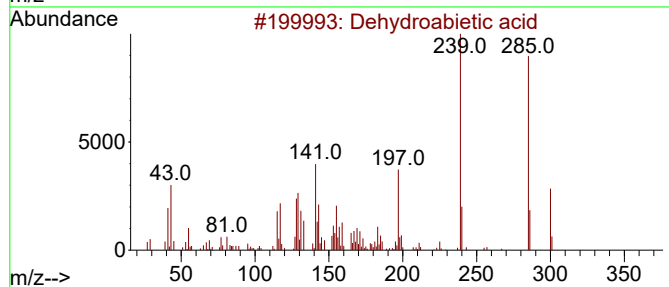
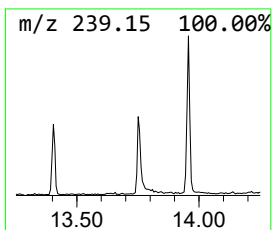
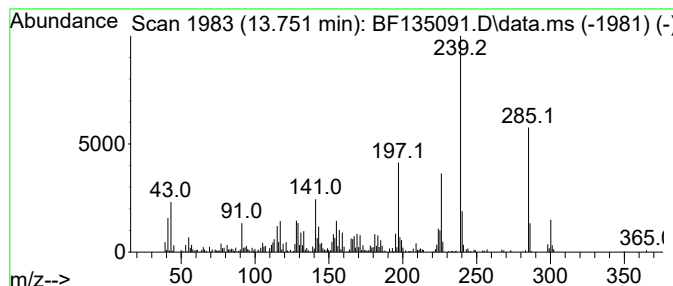
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dehydroabietic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	4.35 ng	154278	Chrysene-d12	13.957

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dehydroabietic acid	300	C20H28O2	001740-19-8	96
2			1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	93
3			Butanoic acid, 2-(cyano)(2,4,6-t...	300	C17H20N2O3	1000267-71-7	58
4			2-Ethylidene-hydrazono-3-methyl...	239	C10H10ClN3S	1000148-08-4	50
5			Ethyl 4-hydroxy-7-trifluoromethy...	285	C13H10F3NO3	000391-02-6	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135091.D
Acq On : 05 Sep 2023 12:47
Operator : CG\JU
Sample : 04212-01
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ClientSampleId :
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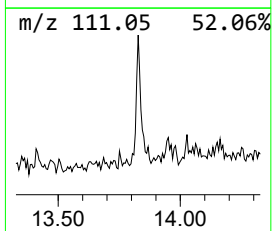
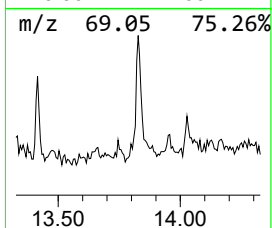
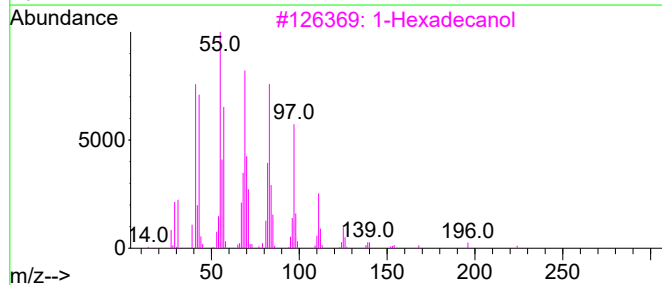
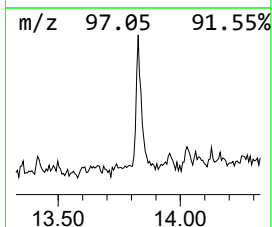
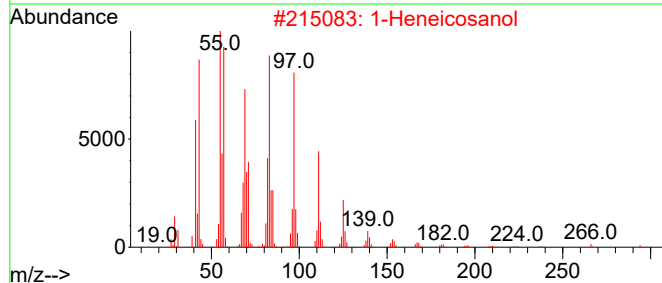
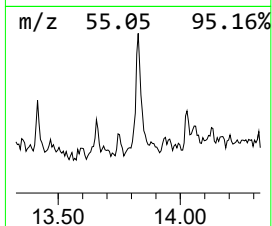
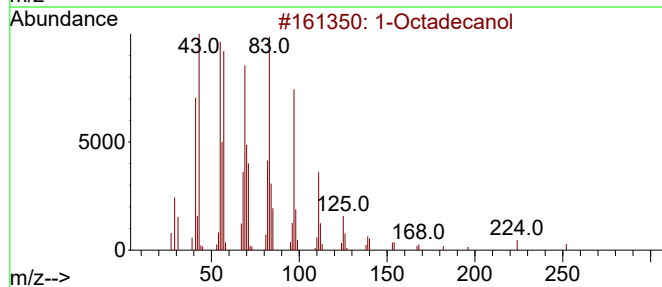
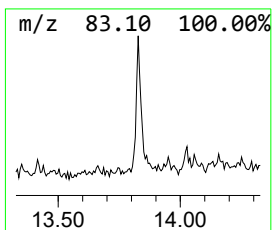
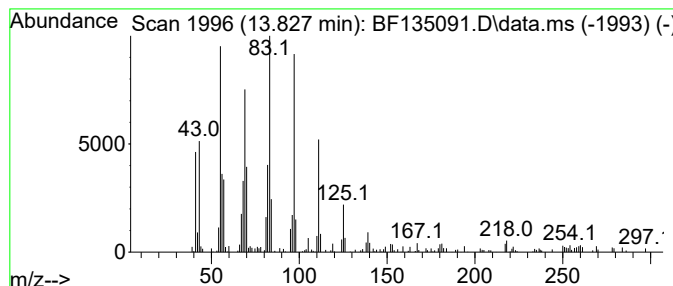
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1-Octadecanol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.827	4.84 ng	171494	Chrysene-d12	13.957

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Octadecanol	270	C18H38O	000112-92-5	72
2			1-Heneicosanol	312	C21H44O	015594-90-8	58
3			1-Hexadecanol	242	C16H34O	036653-82-4	58
4			Hexacosyl propyl ether	424	C29H60O	1000406-28-4	53
5			Propyl triacontyl ether	481	C33H68O	1000406-28-6	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135091.D
Acq On : 05 Sep 2023 12:47
Operator : CG\JU
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Misc :
ALS Vial : 5 Sample Multiplier: 1

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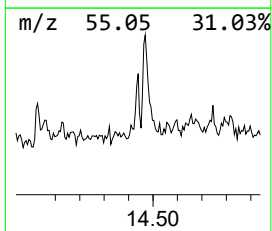
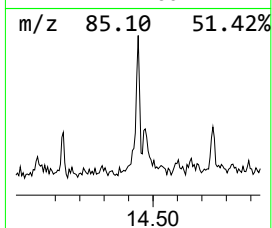
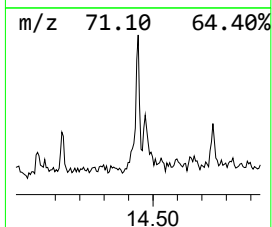
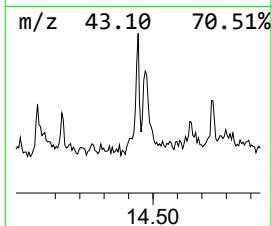
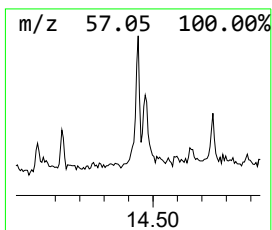
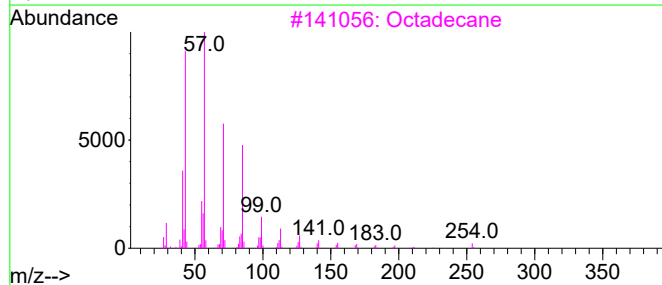
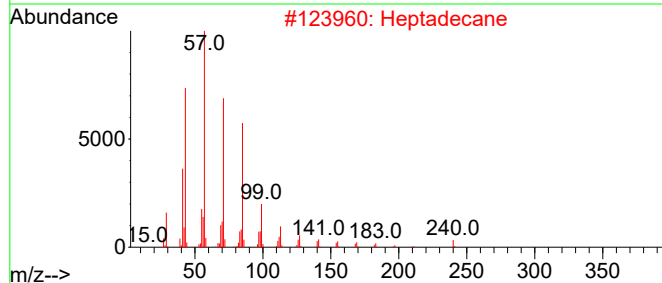
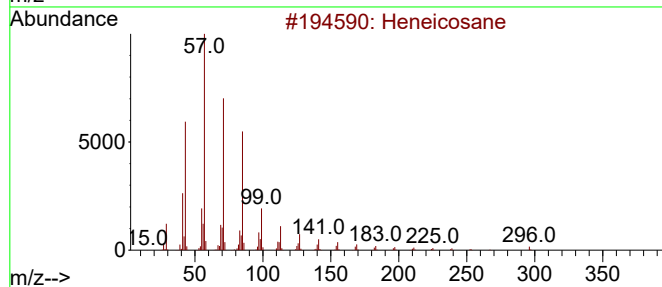
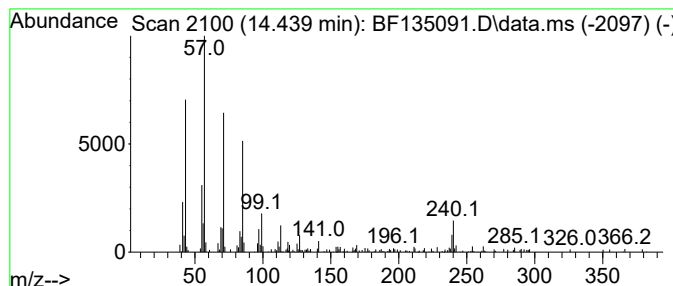
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Heneicosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.439	2.01 ng	71214	Chrysene-d12	13.957

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	99
2			Heptadecane	240	C17H36	000629-78-7	94
3			Octadecane	254	C18H38	000593-45-3	91
4			Hexacosane	366	C26H54	000630-01-3	90
5			Tetracosane	338	C24H50	000646-31-1	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
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Operator : CG\JU
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ALS Vial : 5 Sample Multiplier: 1

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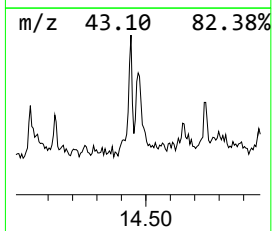
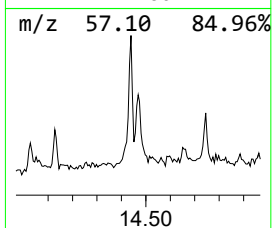
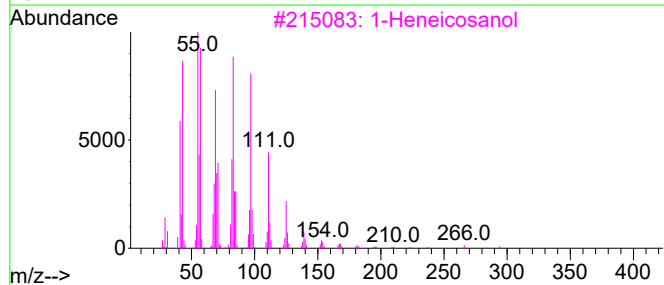
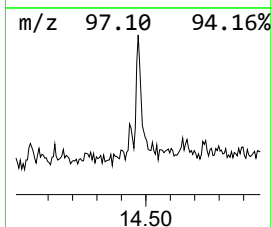
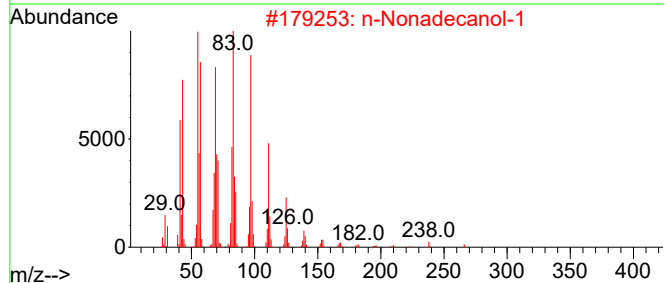
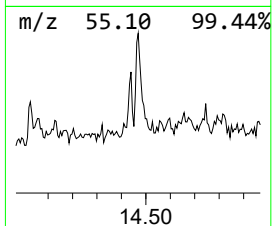
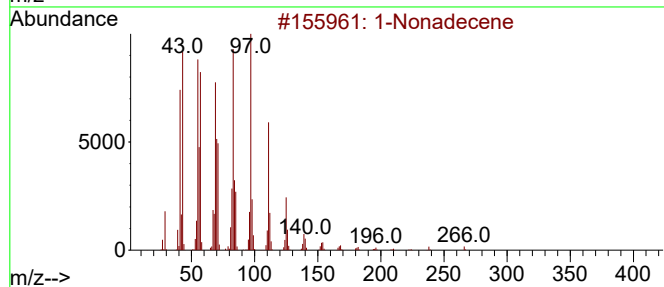
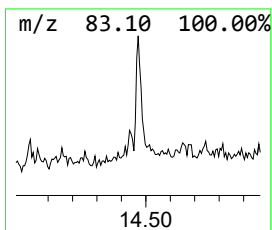
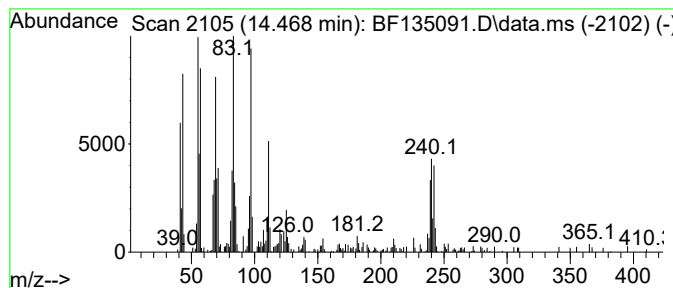
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1-Nonadecene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.468	4.96 ng	175699	Chrysene-d12	13.957

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Nonadecene	266	C19H38	018435-45-5	95
2			n-Nonadecanol-1	284	C19H40O	001454-84-8	93
3			1-Heneicosanol	312	C21H44O	015594-90-8	93
4			Behenic alcohol	326	C22H46O	000661-19-8	76
5			E-15-Heptadecenal	252	C17H32O	1000130-97-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135091.D
Acq On : 05 Sep 2023 12:47
Operator : CG\JU
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ClientSampleId :
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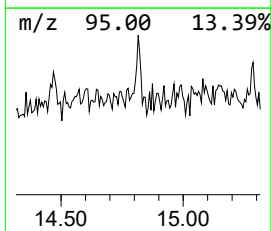
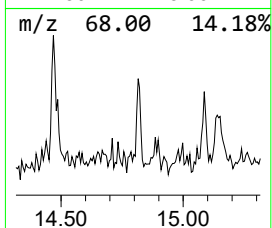
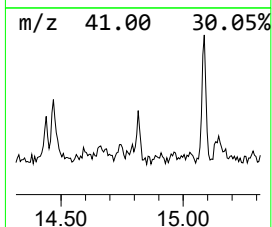
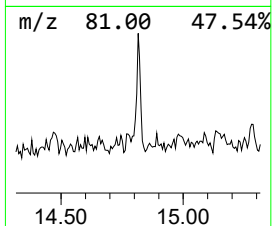
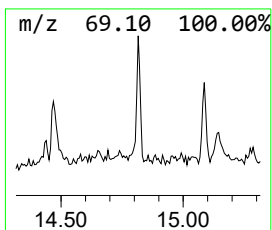
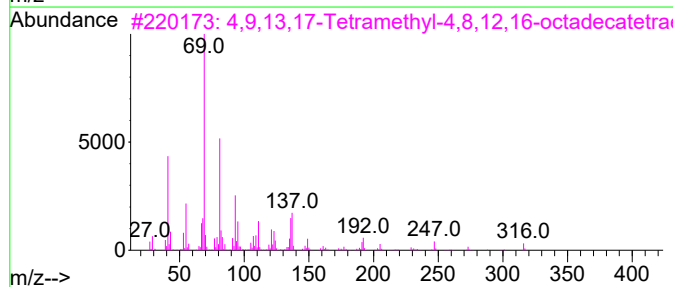
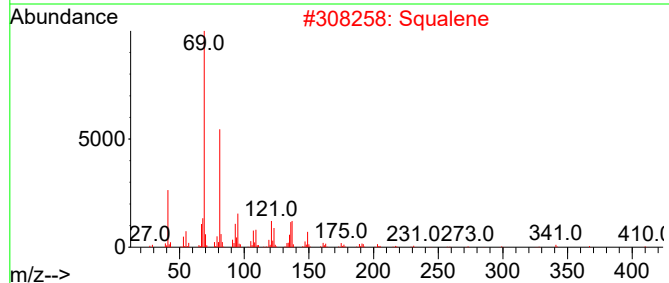
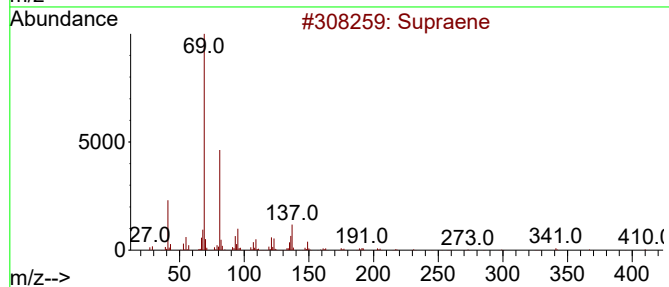
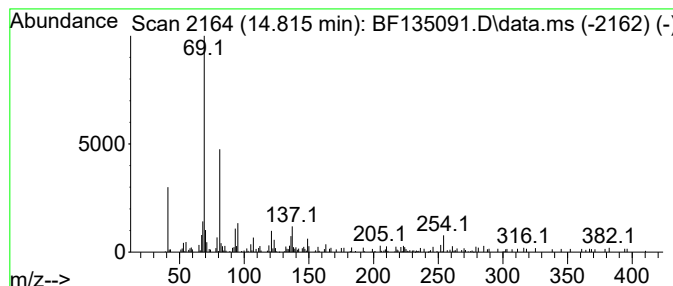
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Supraene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.815	3.12 ng	89102	Perylene-d12	15.421

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Supraene	410	C30H50	007683-64-9	93
2			Squalene	410	C30H50	000111-02-4	91
3			4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	74
4			7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72
5			4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
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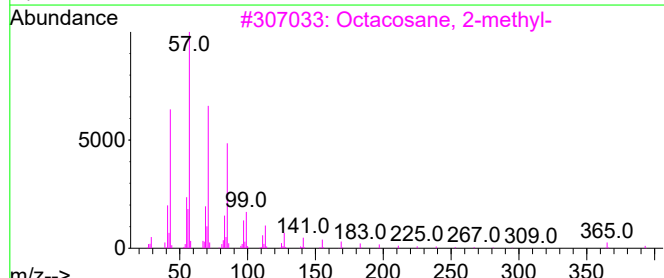
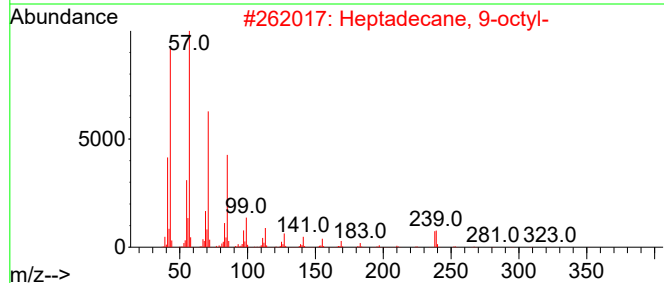
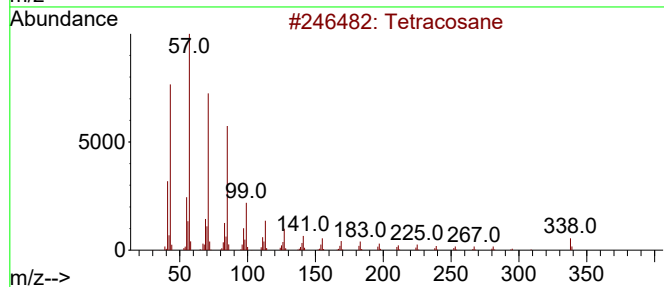
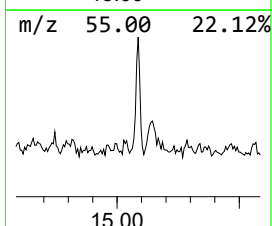
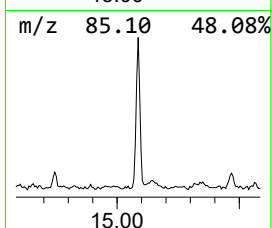
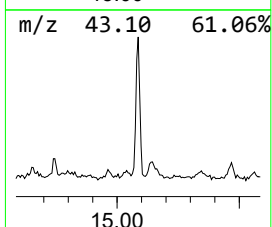
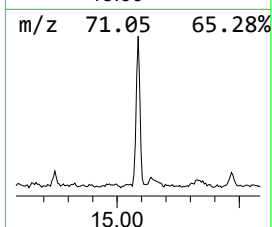
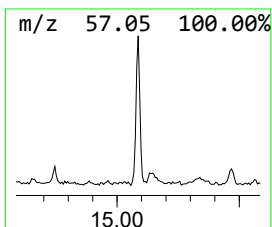
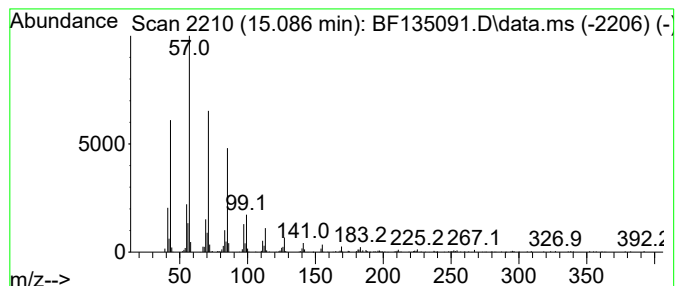
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Tetracosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.086	11.63 ng	331956	Perylene-d12	15.421

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetracosane	338	C24H50	000646-31-1	97
2			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3			Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
4			Triacontane	422	C30H62	000638-68-6	91
5			Hexacosane	366	C26H54	000630-01-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135091.D
Acq On : 05 Sep 2023 12:47
Operator : CG\JU
Sample : 04212-01
Misc :
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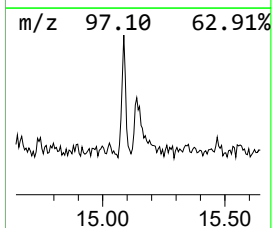
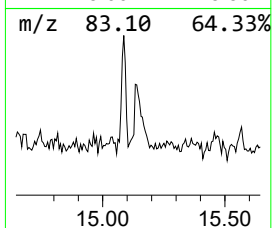
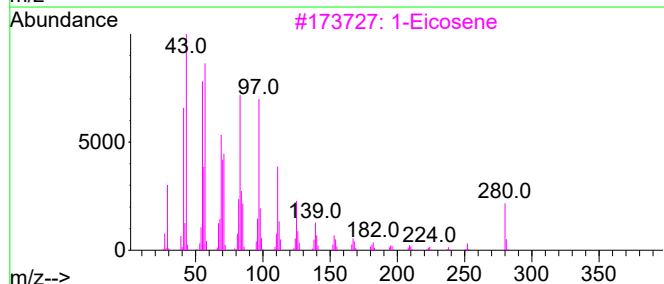
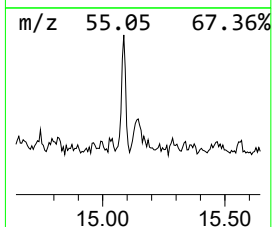
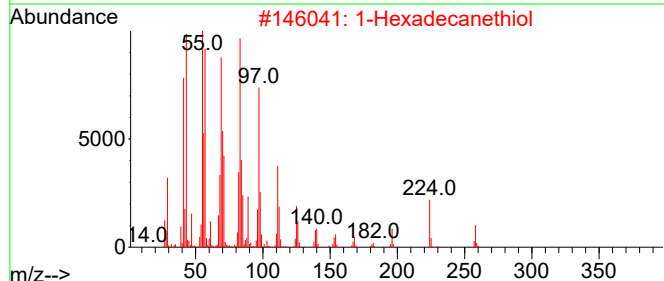
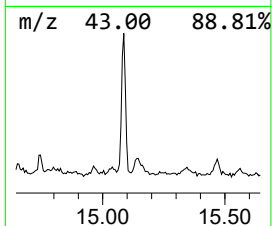
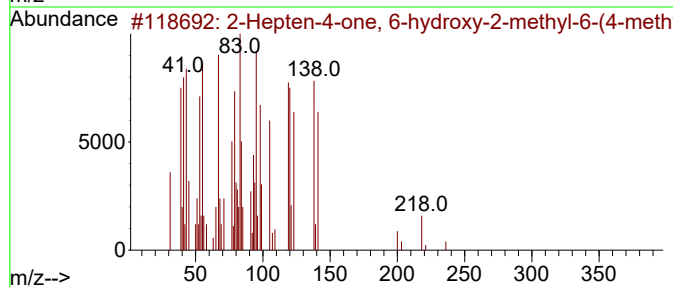
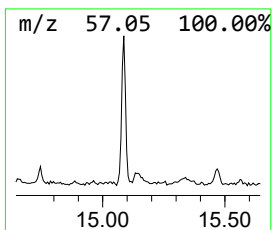
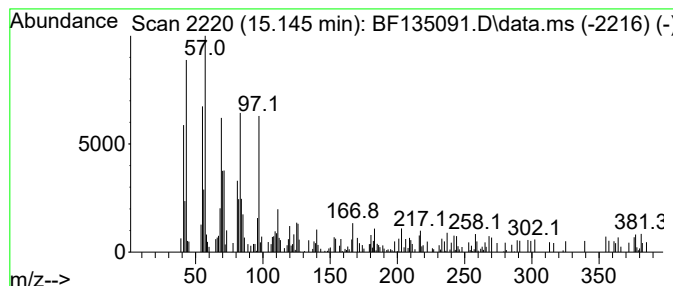
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 2-Hepten-4-one, 6-hydroxy-2... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.145	3.52 ng	100378	Perylene-d12		15.421	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2-Hepten-4-one, 6-hydroxy-2-meth...		236	C15H24O2	038043-98-0	93
2	1-Hexadecanethiol		258	C16H34S	002917-26-2	93
3	1-Eicosene		280	C20H40	003452-07-1	91
4	1-Pentadecanethiol		244	C15H32S	025276-70-4	83
5	3-Eicosene, (E)-		280	C20H40	074685-33-9	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135091.D
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Operator : CG\JU
Sample : 04212-01
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Instrument :
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ClientSampleId :
TOPSOIL-OU3-DENALI-2

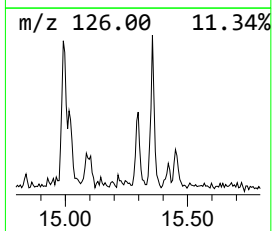
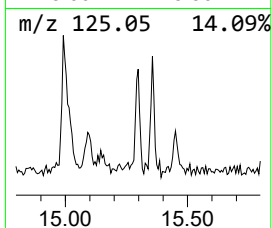
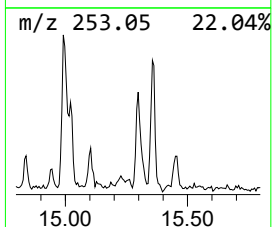
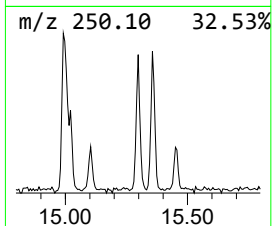
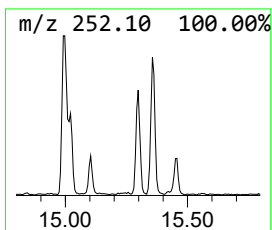
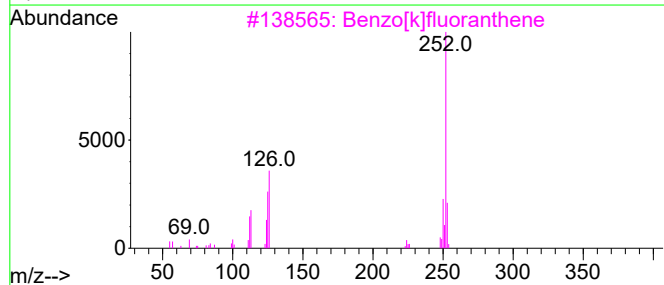
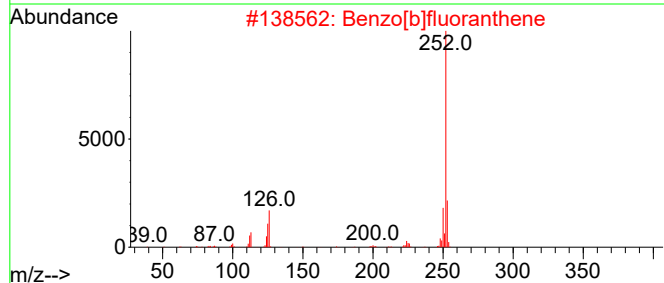
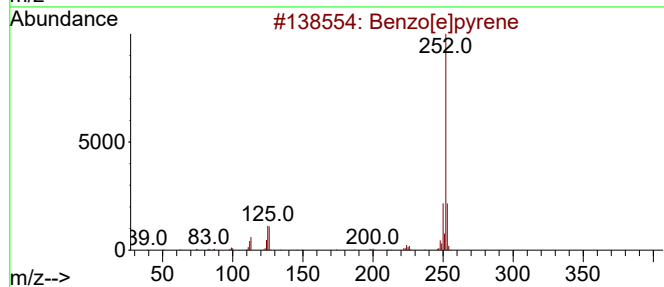
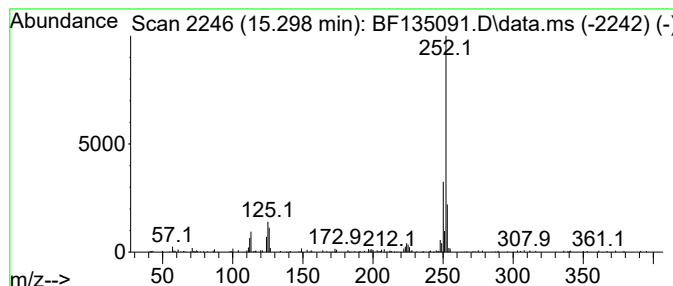
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	3.60 ng	102738	Perylene-d12	15.421

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	97
2			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4			Benzo[a]pyrene	252	C20H12	000050-32-8	91
5			Perylene	252	C20H12	000198-55-0	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135091.D
Acq On : 05 Sep 2023 12:47
Operator : CG\JU
Sample : 04212-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

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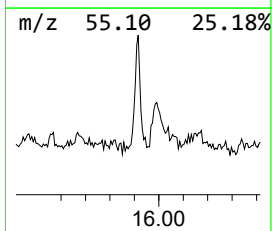
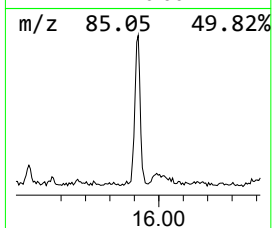
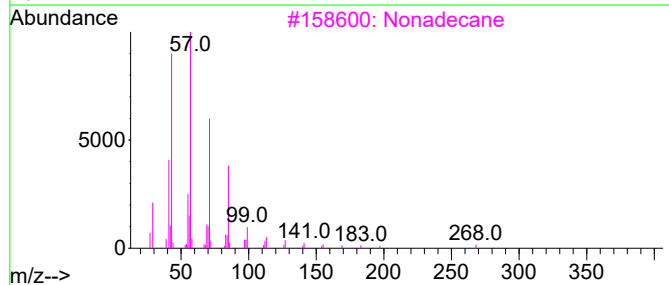
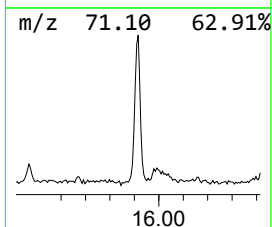
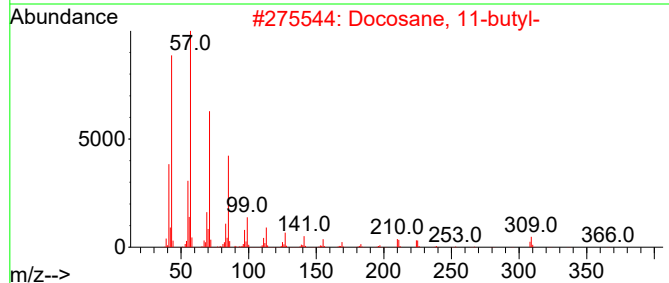
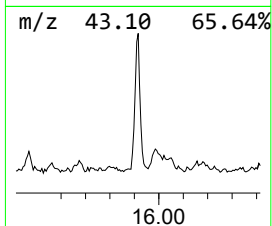
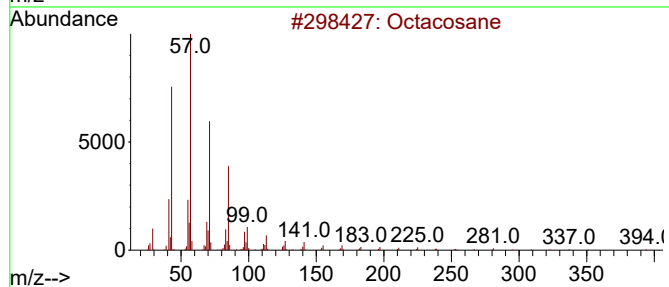
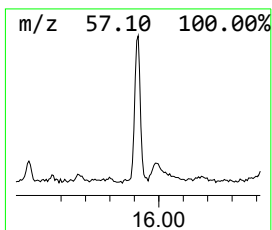
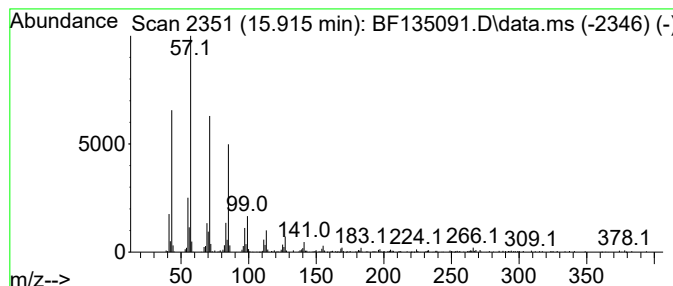
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.915	12.80 ng	365388	Perylene-d12	15.421

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosane	394	C28H58	000630-02-4	95
2			Docosane, 11-butyl-	366	C26H54	013475-76-8	93
3			Nonadecane	268	C19H40	000629-92-5	92
4			Heneicosane	296	C21H44	000629-94-7	90
5			Hexacosane	366	C26H54	000630-01-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135091.D
Acq On : 05 Sep 2023 12:47
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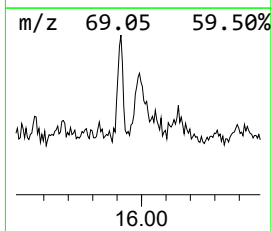
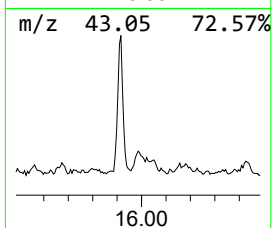
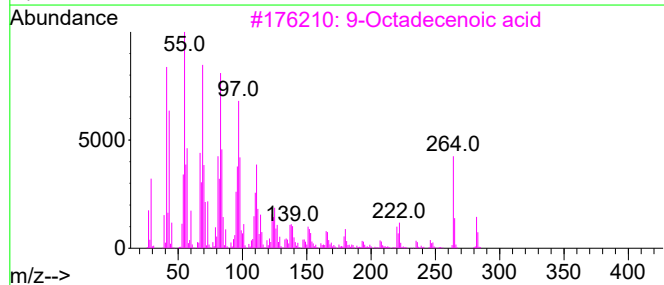
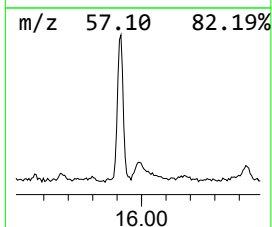
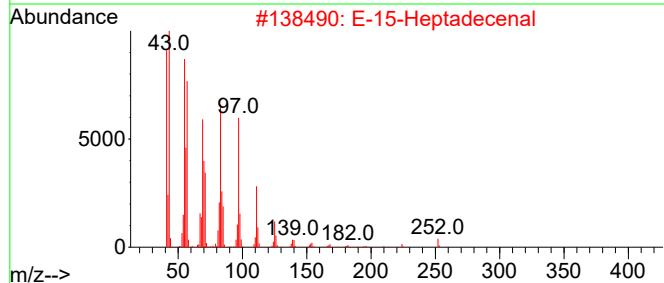
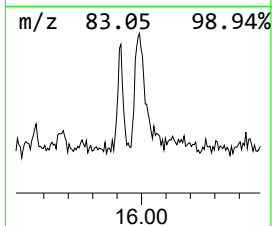
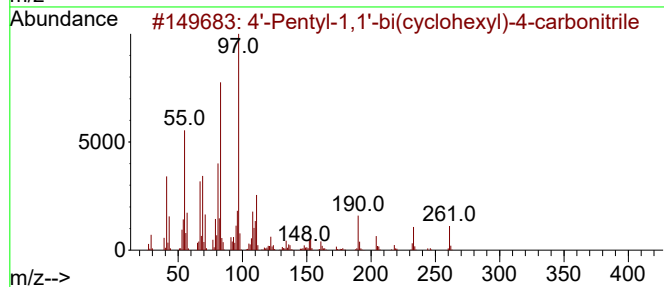
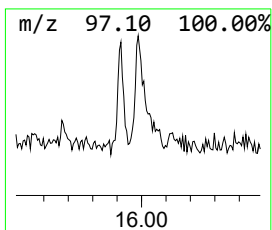
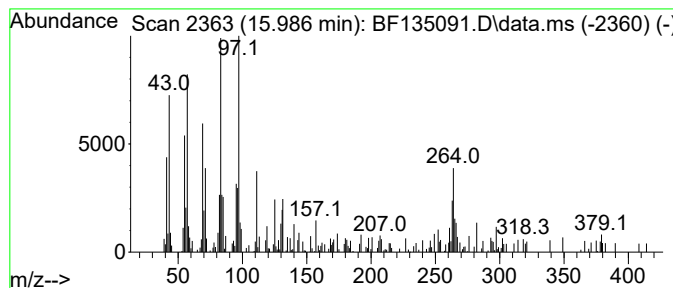
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown15.986 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.986	3.71 ng	105995	Perylene-d12	15.421

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4'-Pentyl-1,1'-bi(cyclohexyl)-4-...	261	C18H31N		065355-36-4	46
2	E-15-Heptadecenal	252	C17H32O		1000130-97-9	43
3	9-Octadecenoic acid	282	C18H34O2		002027-47-6	38
4	10-Heneicosene (c,t)	294	C21H42		095008-11-0	38
5	Cycloeicosane	280	C20H40		000296-56-0	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135091.D
Acq On : 05 Sep 2023 12:47
Operator : CG\JU
Sample : 04212-01
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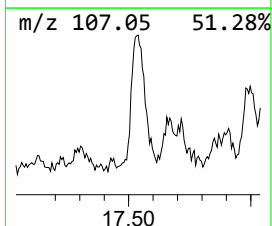
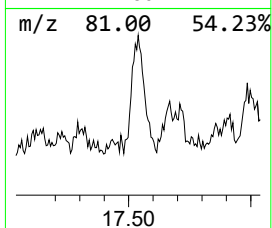
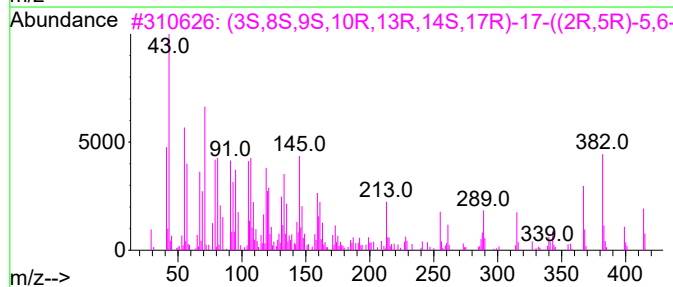
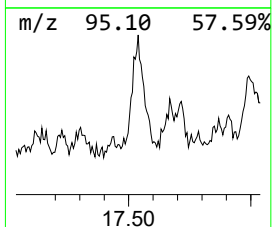
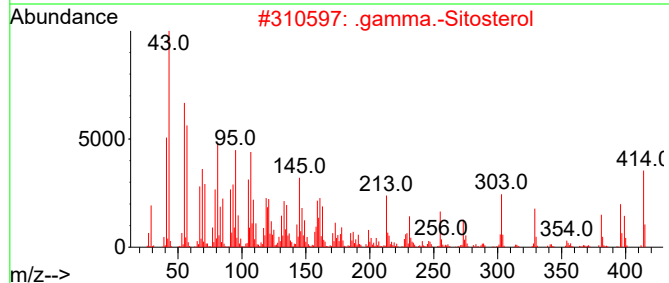
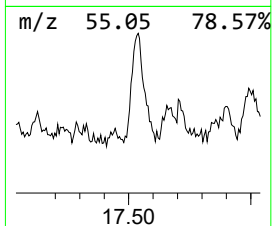
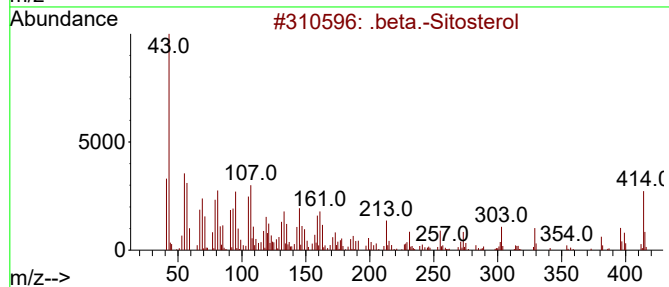
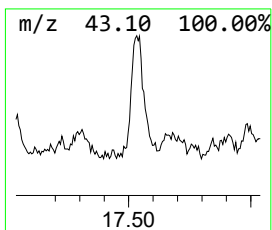
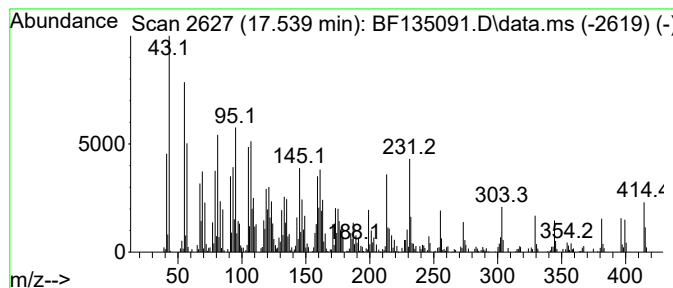
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 .beta.-Sitosterol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.539	34.03 ng	971074	Perylene-d12	15.421
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 99
3		(3S,8S,9S,10R,13R,14S,17R)-17-((...)	414 C29H50O	029365-29-5 45
4		5-Cholestene-3-ol, 24-methyl-	400 C28H48O	290299-12-6 43
5		Ergost-5-en-3-ol, (3.beta.)-	400 C28H48O	004651-51-8 38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135091.D
Acq On : 05 Sep 2023 12:47
Operator : CG\JU
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Instrument :
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ClientSampleId :
TOPSOIL-OU3-DENALI-2

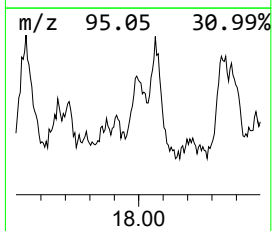
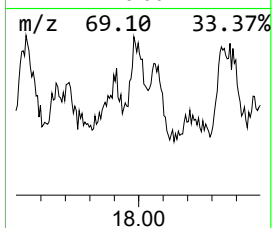
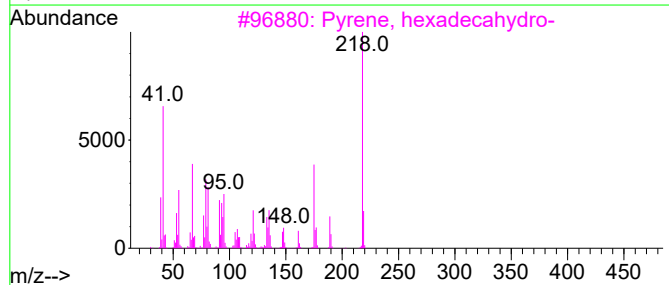
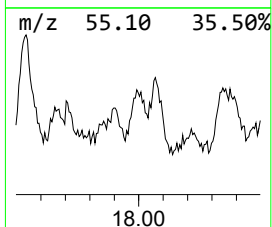
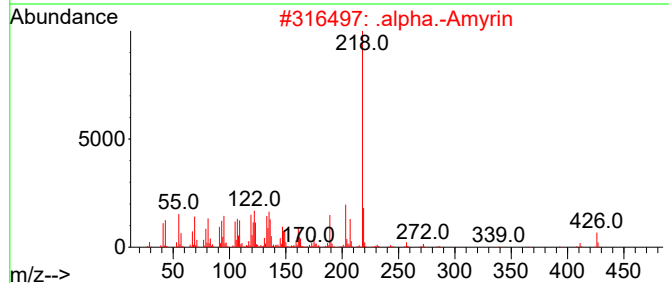
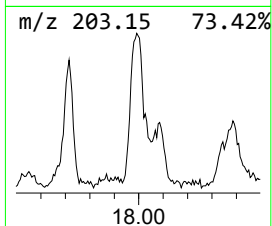
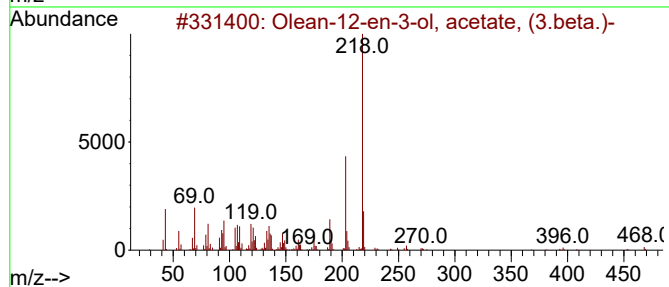
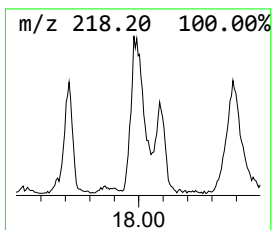
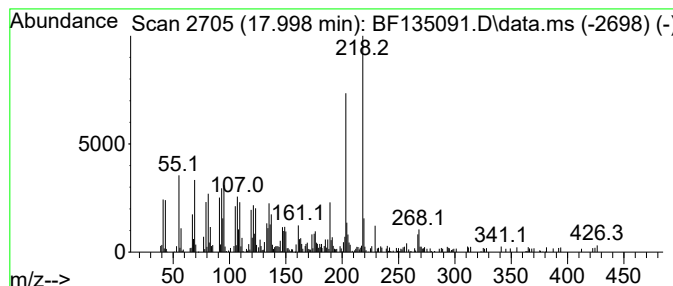
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Olean-12-en-3-ol, acetate, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.997	12.96 ng	369790	Perylene-d12	15.421

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Olean-12-en-3-ol, acetate, (3.be...	468	C32H52O2	001616-93-9	76
2			.alpha.-Amyrin	426	C30H50O	000638-95-9	70
3			Pyrene, hexadecahydro-	218	C16H26	002435-85-0	56
4			.beta.-Amyrone	424	C30H48O	000638-97-1	53
5			2H-Cyclopropa[a]naphthalen-2-one...	218	C15H22O	006831-17-0	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135091.D
Acq On : 05 Sep 2023 12:47
Operator : CG\JU
Sample : 04212-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TOPSOIL-OU3-DENALI-2

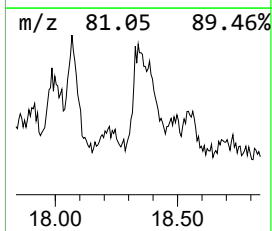
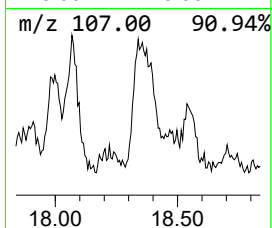
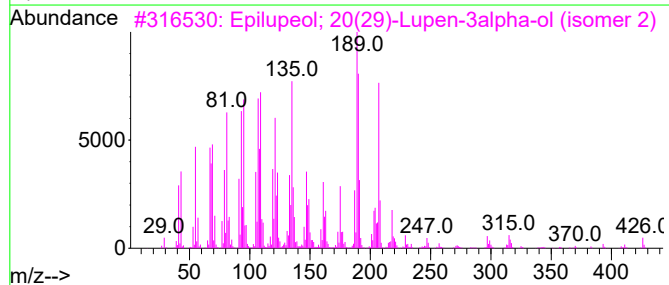
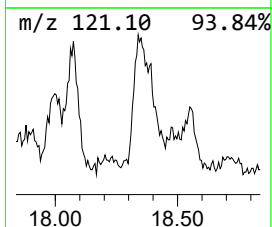
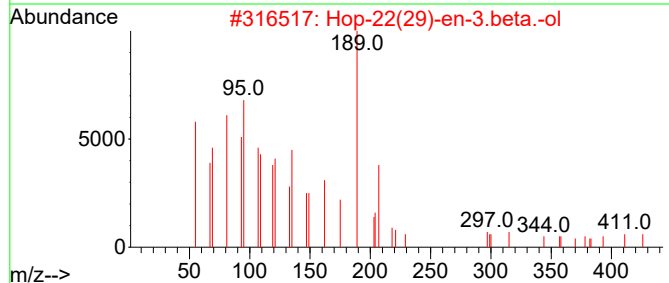
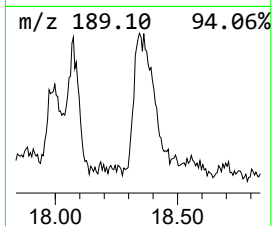
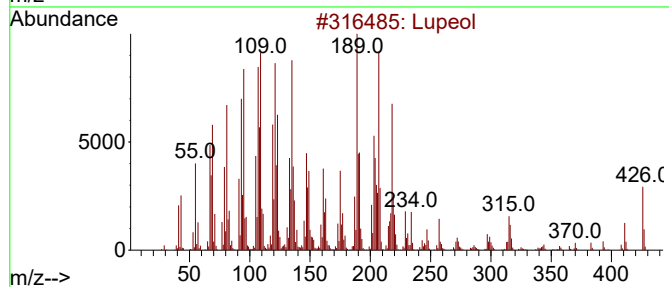
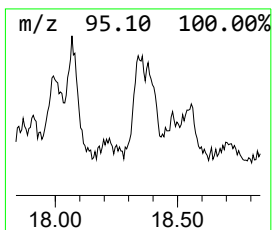
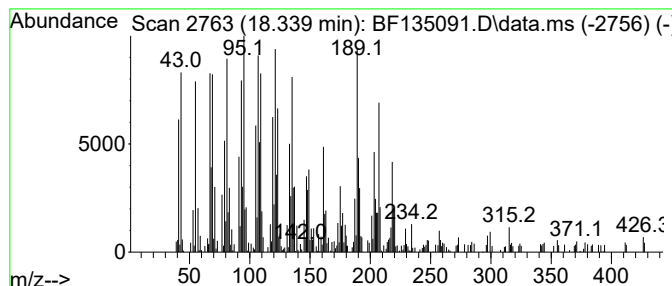
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Lupeol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.339	10.34 ng	295128	Perylene-d12	15.421

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Lupeol	426	C30H50O	000545-47-1	99
2			Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	94
3			Epilupeol; 20(29)-Lupen-3alpha-o...	426	C30H50O	1000513-01-4	94
4			Epilupeol; 20(29)-Lupen-3alpha-o...	468	C32H52O2	1010513-01-8	60
5			5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135091.D
Acq On : 05 Sep 2023 12:47
Operator : CG\JU
Sample : 04212-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-2

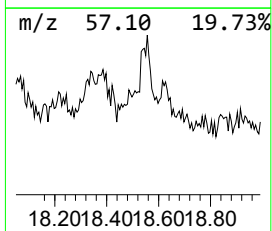
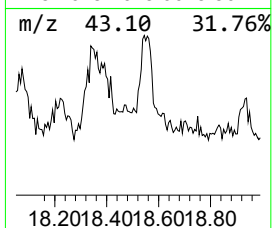
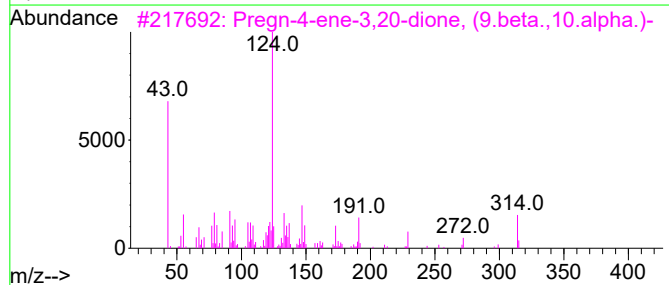
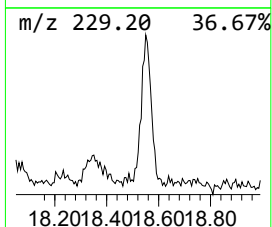
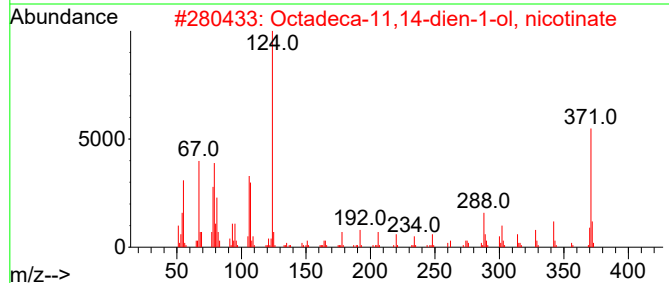
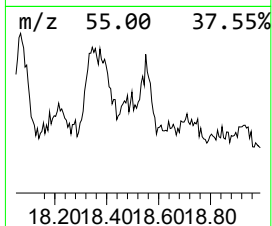
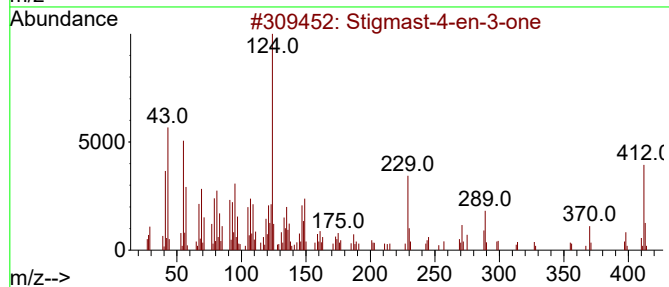
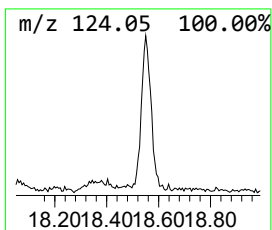
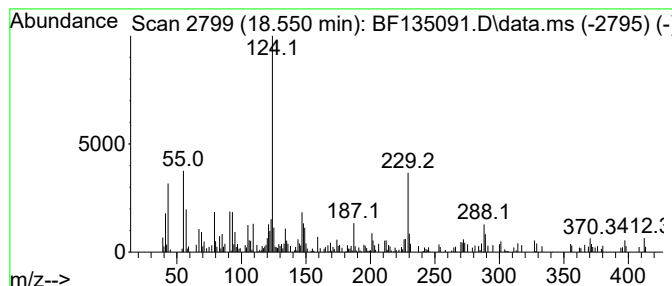
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Stigmast-4-en-3-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.550	10.75 ng	306743	Perylene-d12	15.421

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Stigmast-4-en-3-one	412	C29H48O	001058-61-3	80
2			Octadeca-11,14-dien-1-ol, nicoti...	371	C24H37NO2	1000336-72-3	58
3			Pregn-4-ene-3,20-dione, (9.beta....	314	C21H30O2	002755-10-4	52
4			3-(3-Fluoroanilino)-1-(3-nitroph...	288	C15H13FN2O3	300726-64-1	52
5			3-(4-Fluoroanilino)-1-(3-nitroph...	288	C15H13FN2O3	350039-84-8	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135091.D
Acq On : 05 Sep 2023 12:47
Operator : CG\JU
Sample : 04212-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OU3-DENALI-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.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
n-Hexadecanoic ...	11.839	15.9	ng	651136	4	11.298	821565	20.0
Hibaene	11.992	3.5	ng	145428	4	11.298	821565	20.0
Octadecanoic acid	12.627	7.2	ng	296208	4	11.298	821565	20.0
(E)-3-Methyl-5-...	13.416	4.0	ng	143572	5	13.957	708896	20.0
Isopimaric acid	13.657	2.9	ng	103957	5	13.957	708896	20.0
Dehydroabietic ...	13.751	4.3	ng	154278	5	13.957	708896	20.0
1-Octadecanol	13.827	4.8	ng	171494	5	13.957	708896	20.0
Heneicosane	14.439	2.0	ng	71214	5	13.957	708896	20.0
1-Nonadecene	14.468	5.0	ng	175699	5	13.957	708896	20.0
Supraene	14.815	3.1	ng	89102	6	15.421	570797	20.0
Tetracosane	15.086	11.6	ng	331956	6	15.421	570797	20.0
2-Hepten-4-one,...	15.145	3.5	ng	100378	6	15.421	570797	20.0
Benzo[e]pyrene	15.298	3.6	ng	102738	6	15.421	570797	20.0
Octacosane	15.915	12.8	ng	365388	6	15.421	570797	20.0
unknown15.986	15.986	3.7	ng	105995	6	15.421	570797	20.0
.beta.-Sitosterol	17.539	34.0	ng	971074	6	15.421	570797	20.0
Olean-12-en-3-o...	17.997	13.0	ng	369790	6	15.421	570797	20.0
Lupeol	18.339	10.3	ng	295128	6	15.421	570797	20.0
Stigmast-4-en-3...	18.550	10.8	ng	306743	6	15.421	570797	20.0