

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
 Data File : BF122983.D
 Acq On : 18 Jan 2021 12:22
 Operator : JU/CG
 Sample : M1100-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-RBF-DARK

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-BF011621.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122983.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	14	19	27	rVB	636903	866508	17.04%	1.727%
2	3.398	219	223	230	rBV	59448	116393	2.29%	0.232%
3	5.128	505	517	523	rVB	49865	67824	1.33%	0.135%
4	5.516	577	583	586	rBV	3128593	3237690	63.66%	6.455%
5	6.187	693	697	703	rVB	130221	110591	2.17%	0.220%
6	6.516	747	753	757	rBV	4287296	5086096	100.00%	10.140%
7	6.604	765	768	771	rVB	142770	111051	2.18%	0.221%
8	6.716	784	787	794	rBV	585371	488630	9.61%	0.974%
9	6.892	814	817	821	rVB	1320713	1122654	22.07%	2.238%
10	7.451	907	912	915	rBV	3345989	3393305	66.72%	6.765%
11	7.875	979	984	989	rVB2	101877	115919	2.28%	0.231%
12	8.016	1004	1008	1014	rVB2	75132	75900	1.49%	0.151%
13	8.175	1031	1035	1039	rBV	1566744	1343611	26.42%	2.679%
14	8.228	1040	1044	1052	rVB	83811	103978	2.04%	0.207%
15	9.257	1213	1219	1222	rBV	4511162	4458395	87.66%	8.888%
16	9.316	1225	1229	1234	rVV	416927	419184	8.24%	0.836%
17	9.369	1234	1238	1242	rVV	1236869	1206986	23.73%	2.406%
18	9.645	1281	1285	1288	rBV	737604	623165	12.25%	1.242%
19	9.727	1294	1299	1307	rBV6	34565	78545	1.54%	0.157%
20	9.933	1330	1334	1337	rBV	1713805	1355348	26.65%	2.702%
21	9.963	1337	1339	1343	rVB2	162832	137573	2.70%	0.274%
22	10.075	1350	1358	1363	rBV3	137871	191309	3.76%	0.381%
23	10.127	1363	1367	1370	rBV	133340	121507	2.39%	0.242%
24	10.374	1407	1409	1414	rVB4	50631	57820	1.14%	0.115%
25	10.722	1462	1468	1471	rVV	3050919	2448419	48.14%	4.881%
26	10.874	1490	1494	1497	rVB	469429	370303	7.28%	0.738%
27	10.916	1498	1501	1507	rVB5	38848	63099	1.24%	0.126%
28	11.421	1582	1587	1590	rBV	1190925	1075866	21.15%	2.145%
29	11.557	1602	1610	1613	rBV7	29278	63159	1.24%	0.126%
30	11.880	1658	1665	1667	rBV5	33307	59556	1.17%	0.119%
31	11.957	1671	1678	1686	rVV	3537417	4005537	78.75%	7.985%
32	12.039	1689	1692	1696	rVV	517514	452166	8.89%	0.901%
33	12.098	1699	1702	1705	rVV	106837	109718	2.16%	0.219%
34	12.127	1705	1707	1713	rVB3	52013	51357	1.01%	0.102%
35	12.480	1763	1767	1769	rBV3	48031	72733	1.43%	0.145%
36	12.516	1769	1773	1778	rVV	64793	97212	1.91%	0.194%

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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-BF011621.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.639	1789	1794	1796	rBV2	199169	227348	4.47%	0.453%
38	12.657	1796	1797	1805	rVB3	157613	177916	3.50%	0.355%
39	12.745	1806	1812	1817	rBV	2519397	2606419	51.25%	5.196%
40	12.833	1825	1827	1831	rVV3	43301	57003	1.12%	0.114%
41	12.886	1834	1836	1845	rVB	66976	107504	2.11%	0.214%
42	13.015	1852	1858	1861	rVB	4208851	4124313	81.09%	8.222%
43	13.245	1895	1897	1901	rVB	88767	74740	1.47%	0.149%
44	13.586	1953	1955	1958	rVB	66315	62345	1.23%	0.124%
45	13.910	2005	2010	2018	rBV2	1190008	1457707	28.66%	2.906%
46	14.015	2026	2028	2033	rBV2	71309	94757	1.86%	0.189%
47	14.062	2033	2036	2044	rVB	984866	1040724	20.46%	2.075%
48	14.233	2061	2065	2068	rBV	156959	184831	3.63%	0.368%
49	14.357	2083	2086	2089	rVB	67681	56045	1.10%	0.112%
50	14.545	2114	2118	2125	rBV	662888	814413	16.01%	1.624%
51	14.662	2135	2138	2141	rBV2	68154	70300	1.38%	0.140%
52	14.851	2164	2170	2174	rBV	254508	319570	6.28%	0.637%
53	14.998	2192	2195	2198	rBV	125074	126141	2.48%	0.251%
54	15.198	2225	2229	2232	rBV	546485	597269	11.74%	1.191%
55	15.227	2232	2234	2239	rVB3	152851	209322	4.12%	0.417%
56	15.545	2283	2288	2292	rBV2	679355	857149	16.85%	1.709%
57	15.586	2292	2295	2300	rVB	196324	253979	4.99%	0.506%
58	15.792	2325	2330	2335	rBV	194748	268181	5.27%	0.535%
59	16.033	2366	2371	2376	rBV	202376	303662	5.97%	0.605%
60	16.086	2376	2380	2389	rVB3	144479	304129	5.98%	0.606%
61	16.274	2408	2412	2415	rBV4	49517	84776	1.67%	0.169%
62	16.556	2455	2460	2464	rVB	60112	73189	1.44%	0.146%
63	16.851	2504	2510	2521	rVB2	135406	284481	5.59%	0.567%
64	17.092	2545	2551	2558	rVB5	51269	101532	2.00%	0.202%
65	17.162	2558	2563	2568	rVB	46155	81708	1.61%	0.163%
66	17.256	2573	2579	2586	rBV6	85520	213191	4.19%	0.425%
67	17.333	2589	2592	2595	rBV4	29797	52433	1.03%	0.105%
68	17.656	2639	2647	2660	rBV4	154567	445496	8.76%	0.888%
69	17.880	2679	2685	2694	rVB8	31231	85442	1.68%	0.170%
70	18.233	2741	2745	2754	rVB10	28088	68374	1.34%	0.136%
71	18.492	2780	2789	2801	rBV8	110748	357584	7.03%	0.713%
72	18.656	2808	2817	2820	rBV7	53310	157130	3.09%	0.313%

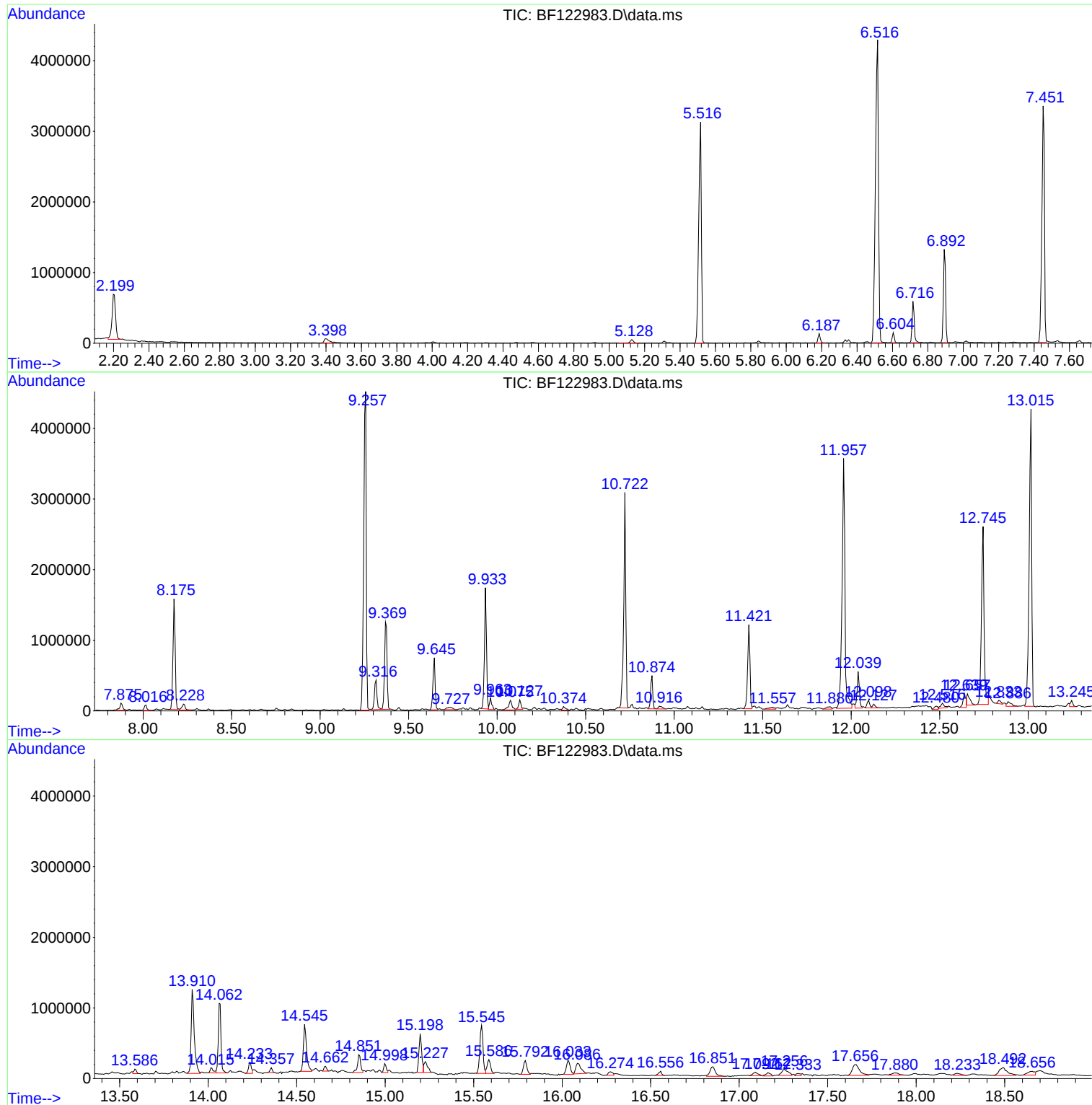
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BNA_F
ClientSampleId :
TOPSOIL-RBF-DARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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Data File : BF122983.D
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Sample : M1100-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARK

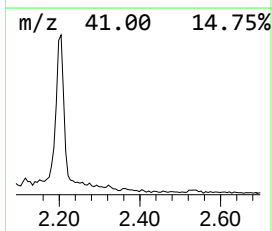
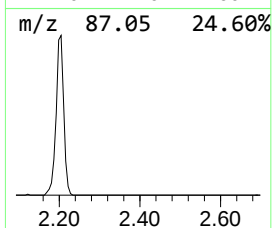
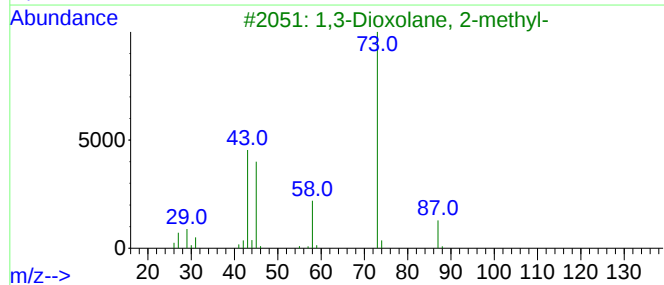
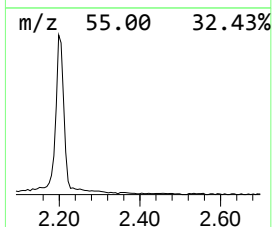
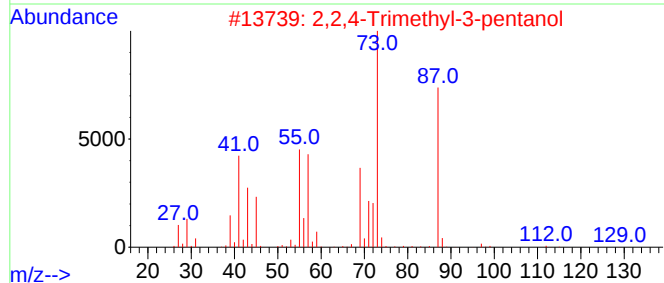
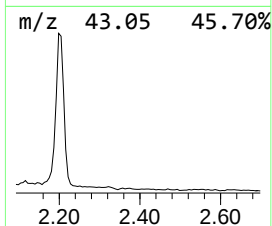
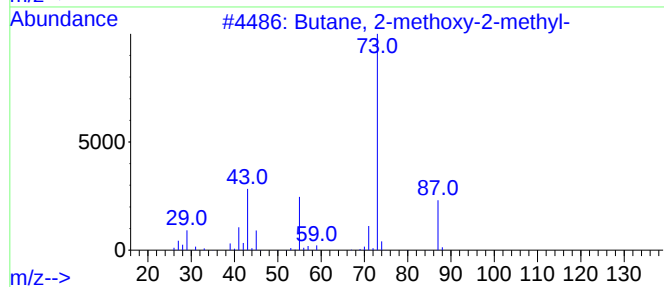
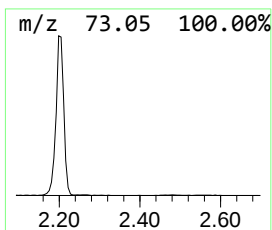
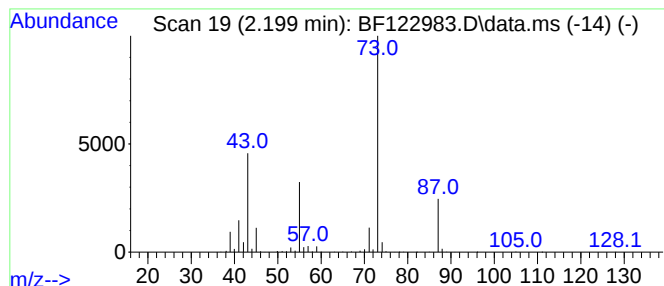
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.199	15.44 ng	866508	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	28
4			Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5			N-Ethylformamide	73	C3H7NO	000627-45-2	9



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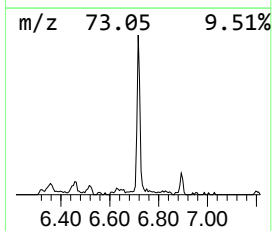
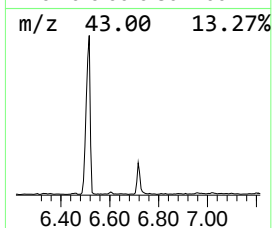
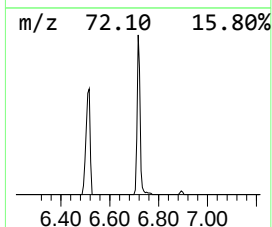
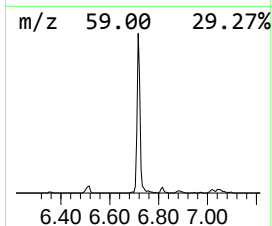
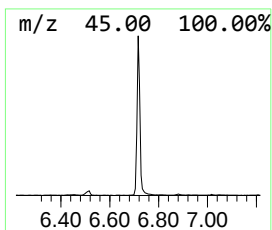
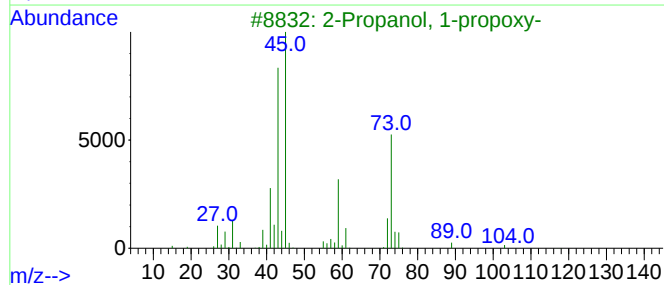
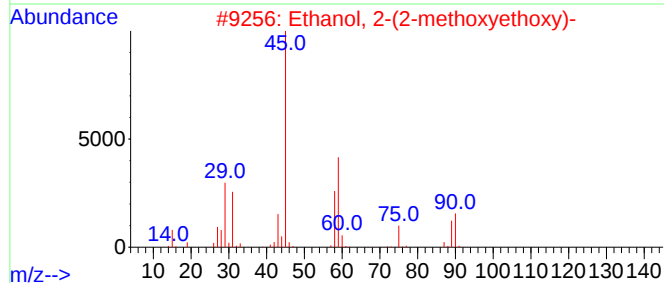
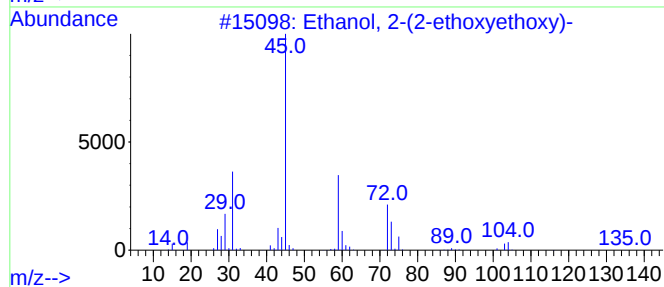
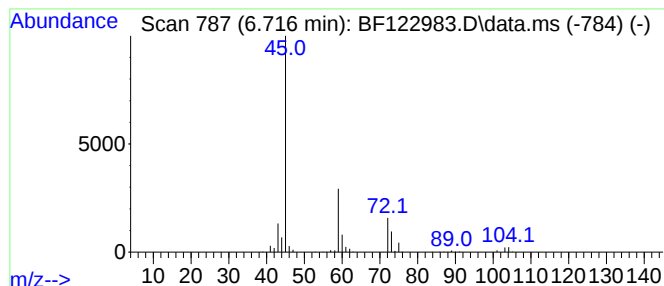
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.716	8.70 ng	488630	1,4-Dichlorobenzene-d4	6.892

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	53
2			Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	50
3			2-Propanol, 1-propoxy-	118	C6H14O2	001569-01-3	39
4			Ethanol, 2-[2-(2-propenyloxy)eth...]	146	C7H14O3	015075-50-0	36
5			Methoxyacetic acid, butyl ester	146	C7H14O3	017640-22-1	33



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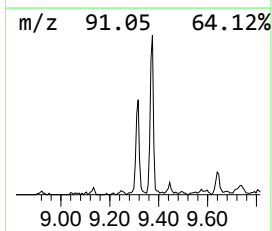
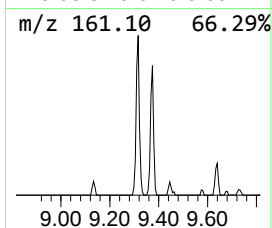
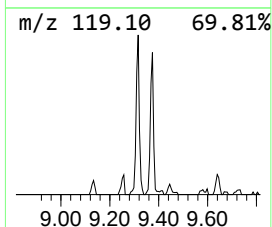
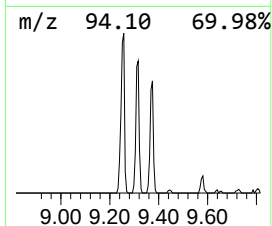
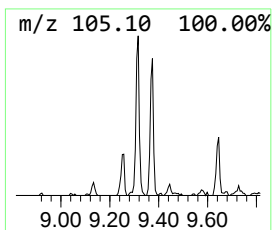
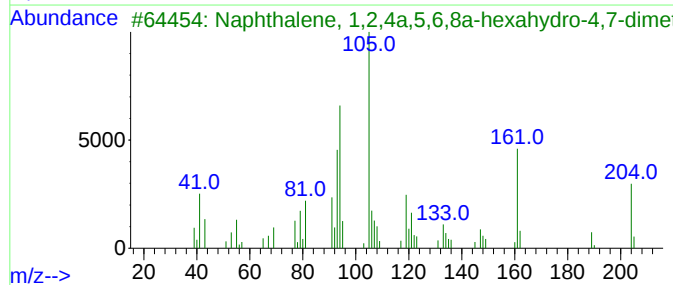
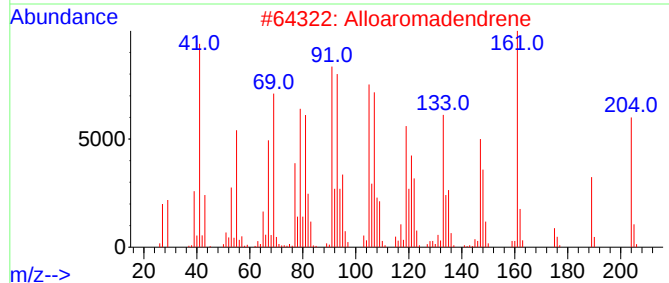
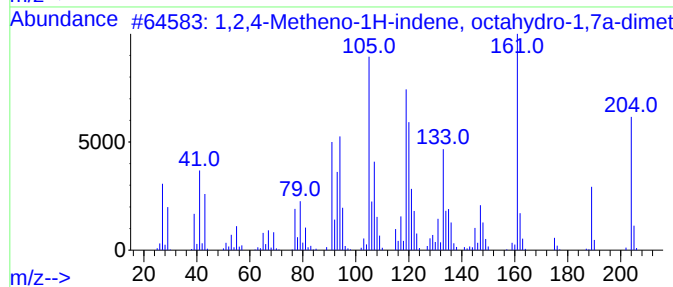
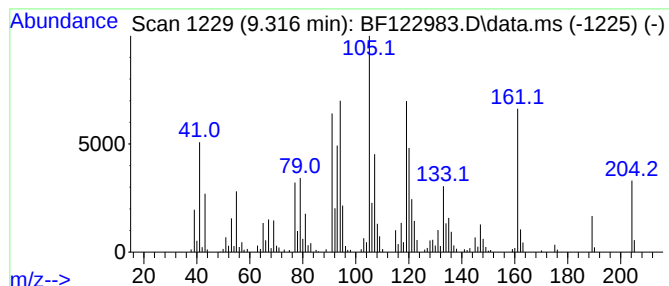
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1,2,4-Metheno-1H-indene, oc... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.316	6.19 ng	419184	Acenaphthene-d10	9.933

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2,4-Metheno-1H-indene, octahyd...	204	C15H24	022469-52-9	96
2			Alloaromadendrene	204	C15H24	025246-27-9	86
3			Naphthalene, 1,2,4a,5,6,8a-hexah...	204	C15H24	000483-75-0	83
4			Epizonarene	204	C15H24	041702-63-0	81
5			cis-Thujopsene	204	C15H24	000470-40-6	78



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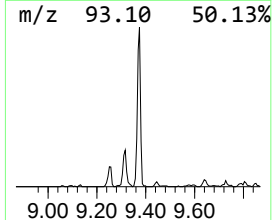
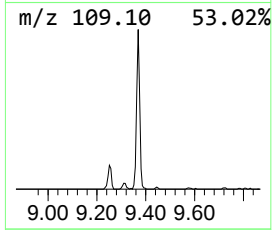
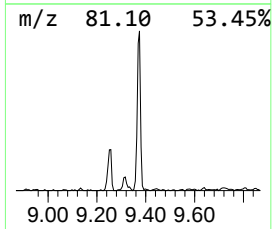
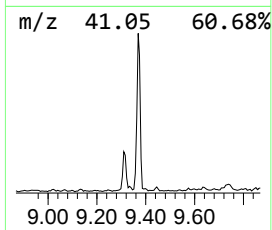
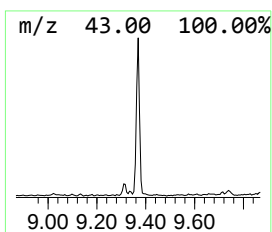
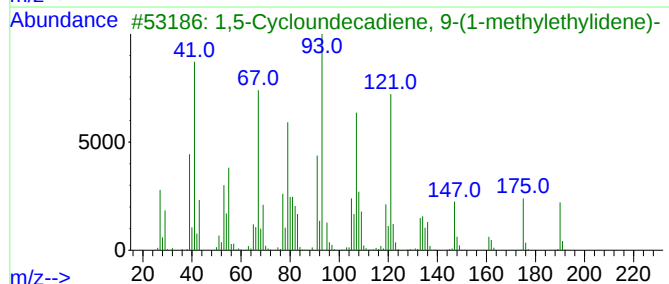
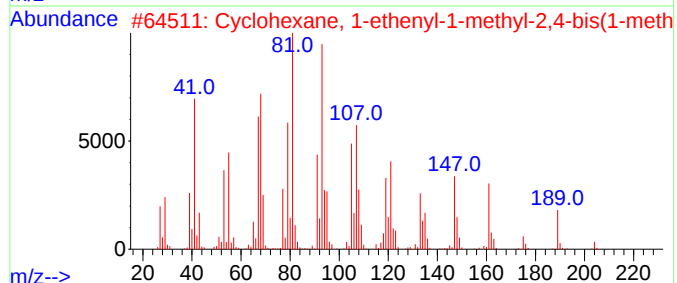
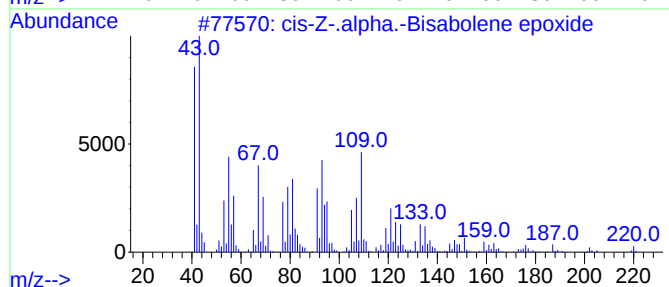
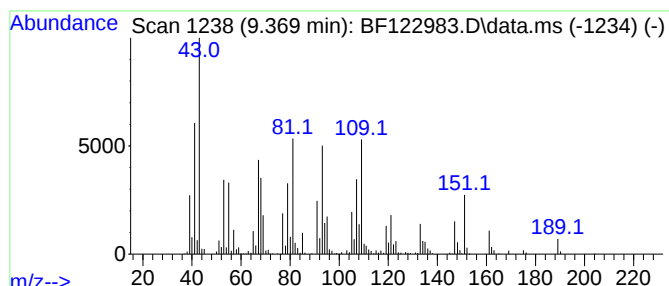
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 cis-Z-.alpha.-Bisabolene ep... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.369	17.81 ng	1206990	Acenaphthene-d10	9.933

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis-Z-.alpha.-Bisabolene epoxide	220	C15H24O	1000131-71-2	64
2			Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	000515-13-9	46
3			1,5-Cycloundecadiene, 9-(1-methy...	190	C14H22	062338-55-0	43
4			Cyclohexanemethanol, 4-methylene-	126	C8H14O	001004-24-6	27
5			Pyridine, 3-methyl-, 1-oxide	109	C6H7NO	001003-73-2	18



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122983.D
Acq On : 18 Jan 2021 12:22
Operator : JU/CG
Sample : M1100-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

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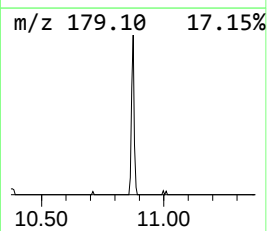
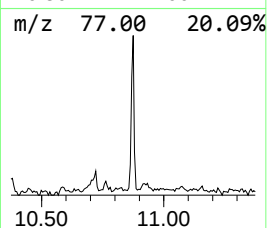
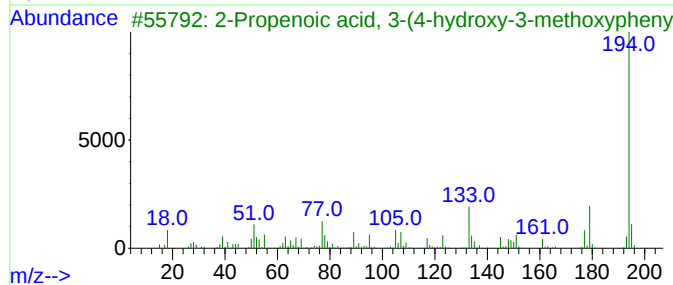
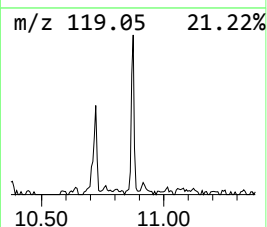
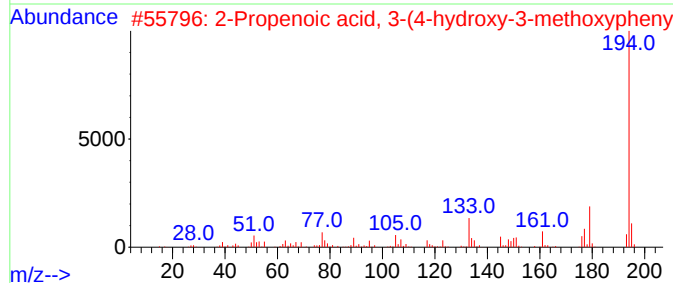
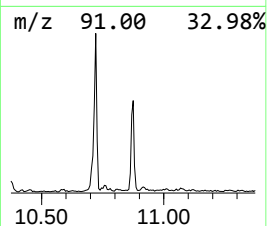
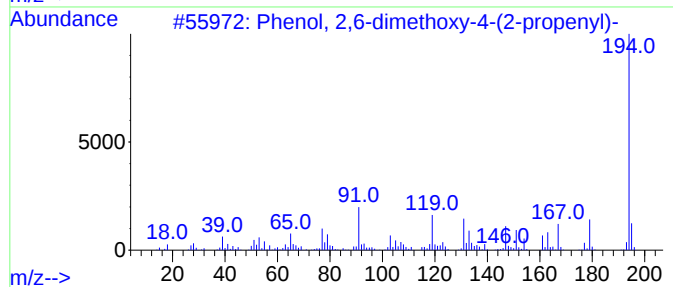
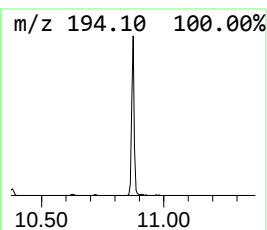
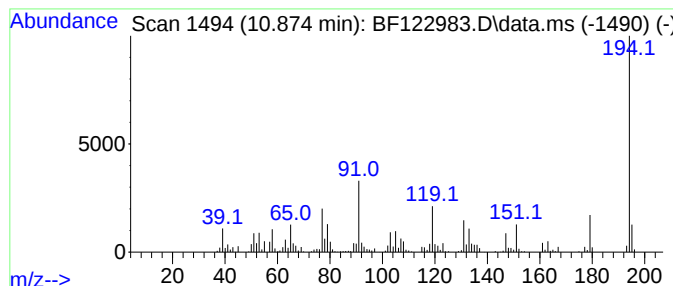
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenol, 2,6-dimethoxy-4-(2-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.874	6.88 ng	370303	Phenanthrene-d10	11.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenol, 2,6-dimethoxy-4-(2-prope...	194	C11H14O3	006627-88-9	93
2			2-Propenoic acid, 3-(4-hydroxy-3...	194	C10H10O4	000537-98-4	52
3			2-Propenoic acid, 3-(4-hydroxy-3...	194	C10H10O4	001135-24-6	49
4			Acetamide, N-(3,4,5-trimethoxyph...	253	C13H19NO4	004593-89-9	47
5			4-Acetoxy-3-methoxycinnamic acid	236	C12H12O5	002596-47-6	40



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122983.D
Acq On : 18 Jan 2021 12:22
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Sample : M1100-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

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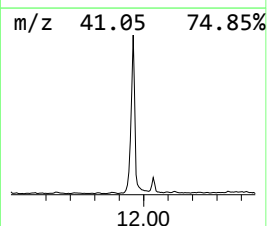
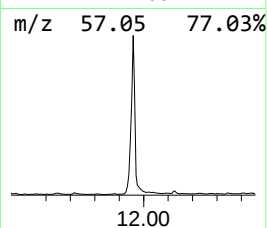
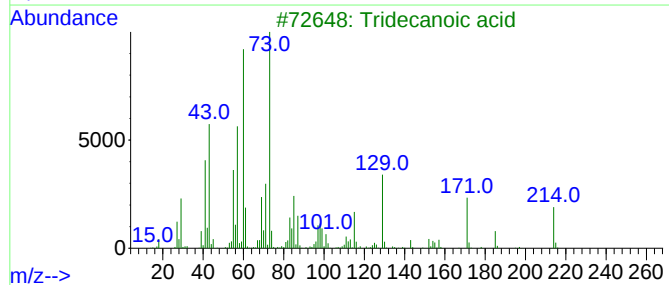
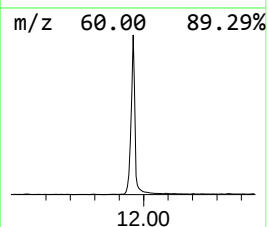
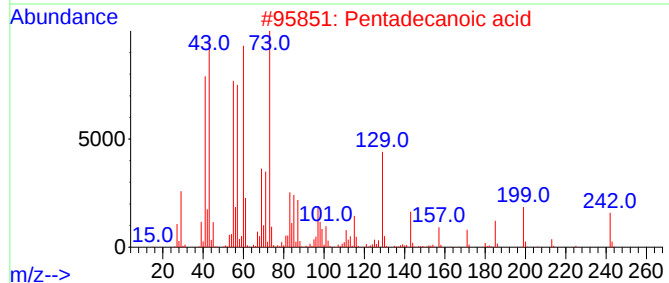
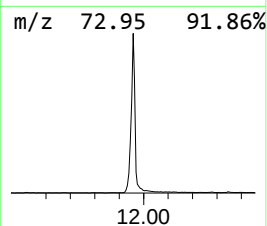
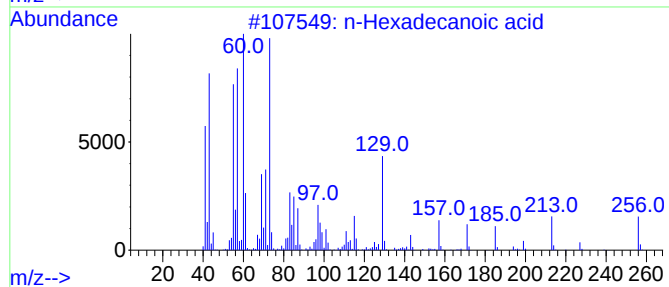
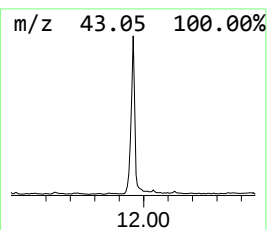
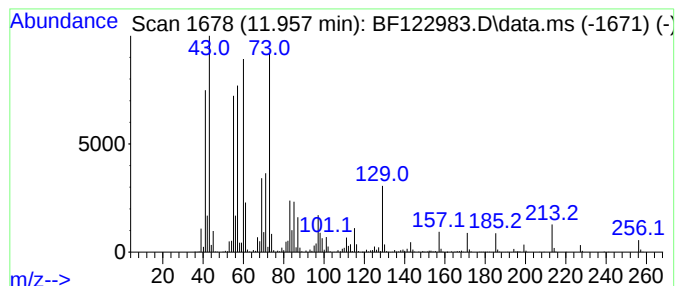
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	74.46 ng	4005540	Phenanthrene-d10	11.422

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	87
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	86
5			Octanoic acid, silver(1+) salt	250	C8H15AgO2	024927-67-1	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122983.D
Acq On : 18 Jan 2021 12:22
Operator : JU/CG
Sample : M1100-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TOPSOIL-RBF-DARK

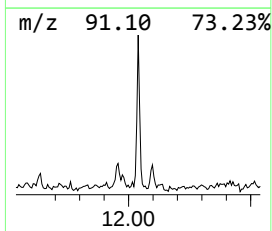
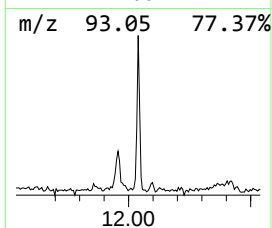
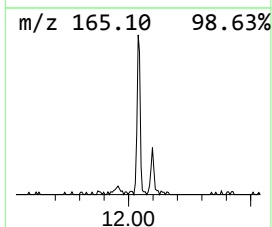
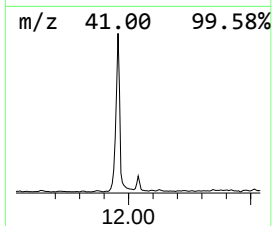
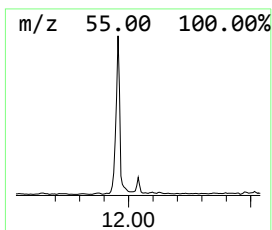
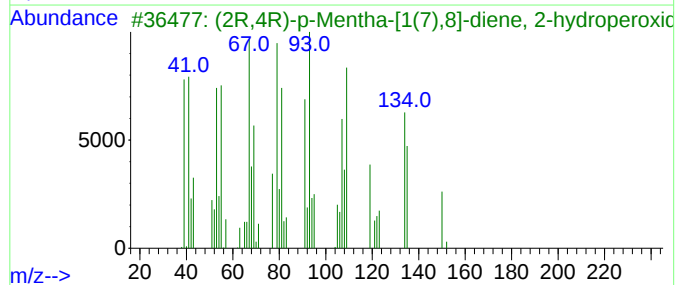
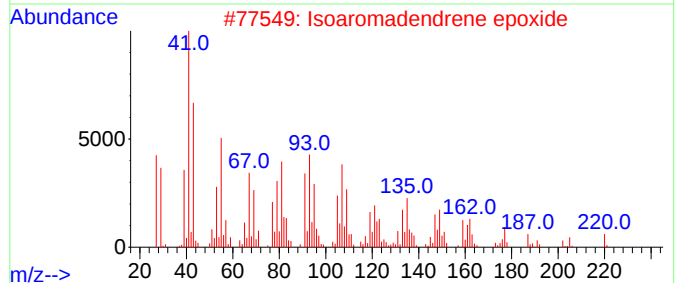
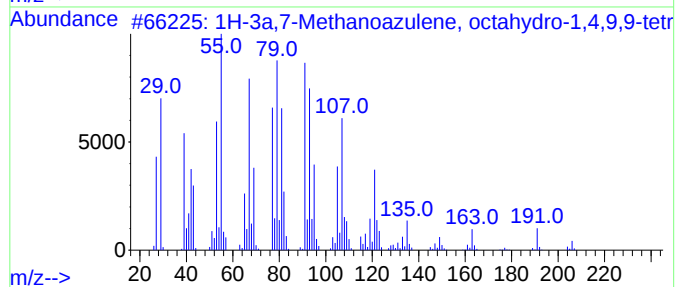
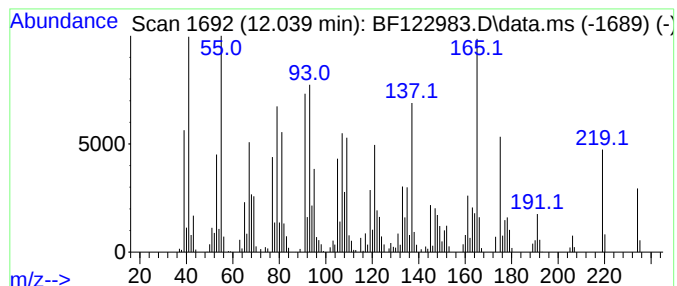
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 1H-3a,7-Methanoazulene, oct... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	8.41 ng	452166	Phenanthrene-d10	11.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-3a,7-Methanoazulene, octahydr...	206	C15H26	025491-20-7	89
2			Isoaromadendrene epoxide	220	C15H24O	1000159-36-6	50
3			(2R,4R)-p-Mentha-[1(7),8]-diene,...	168	C10H16O2	1000292-74-1	43
4			1,3-Bis-(2-cyclopropyl,2-methylc...	258	C18H26O	1000222-08-6	38
5			1,5,9,11-Tridecatetraene, 12-met...	190	C14H22	062338-27-6	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122983.D
Acq On : 18 Jan 2021 12:22
Operator : JU/CG
Sample : M1100-03
Misc :
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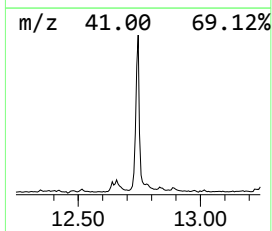
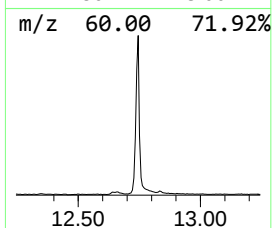
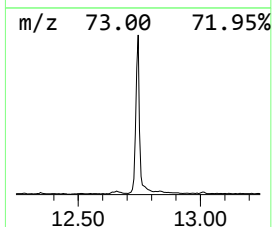
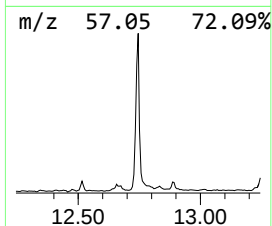
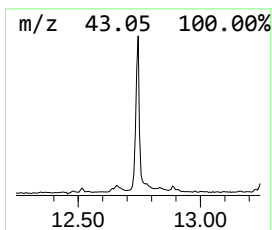
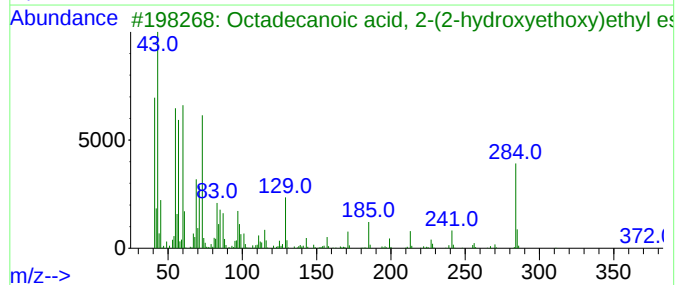
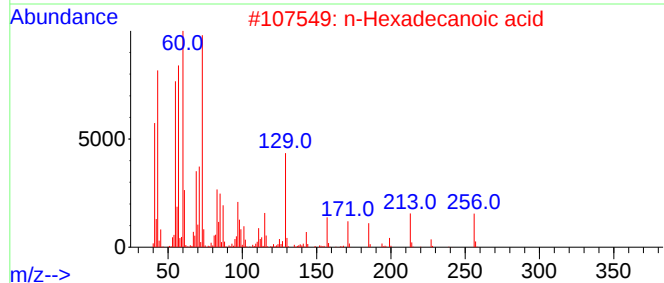
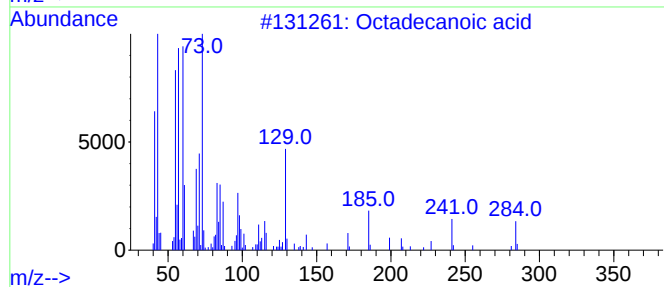
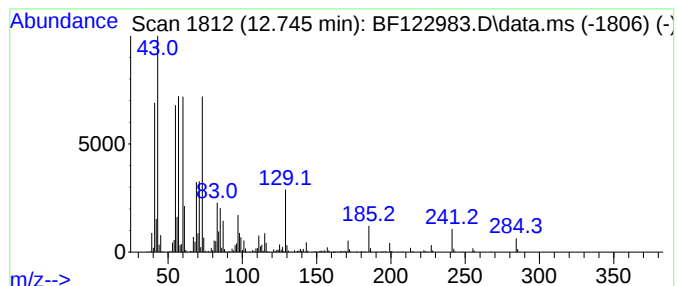
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.745	50.09 ng	2606420	Chrysene-d12	14.063	
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	87
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122983.D
Acq On : 18 Jan 2021 12:22
Operator : JU/CG
Sample : M1100-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARK

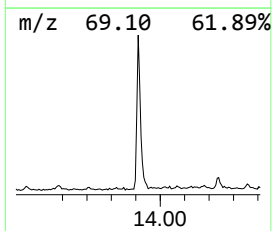
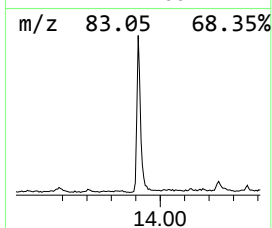
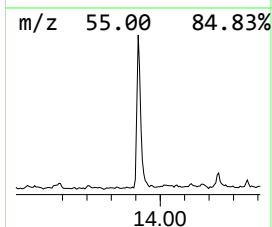
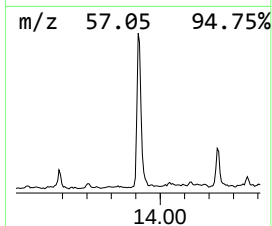
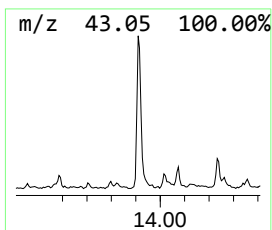
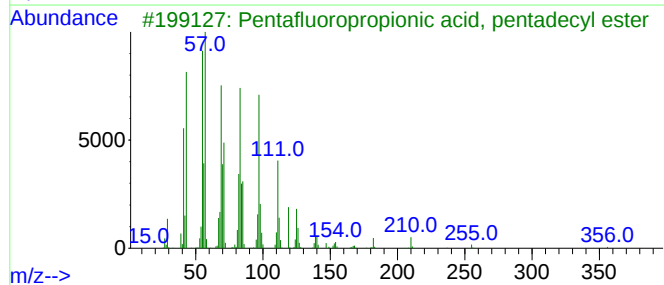
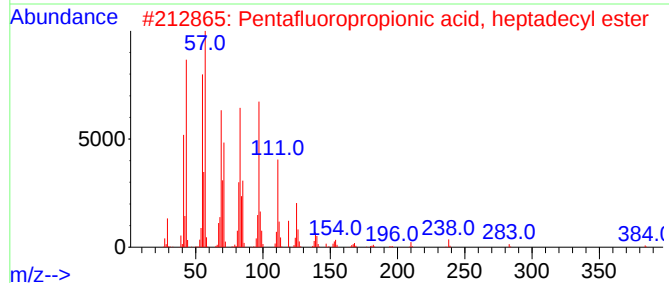
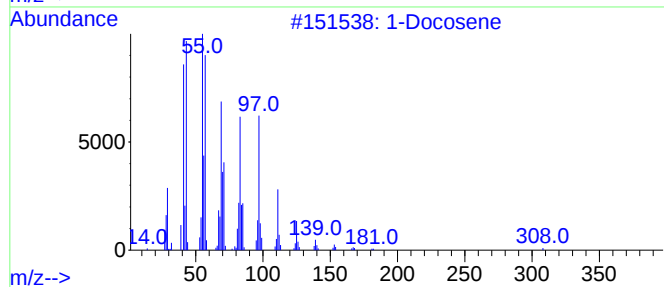
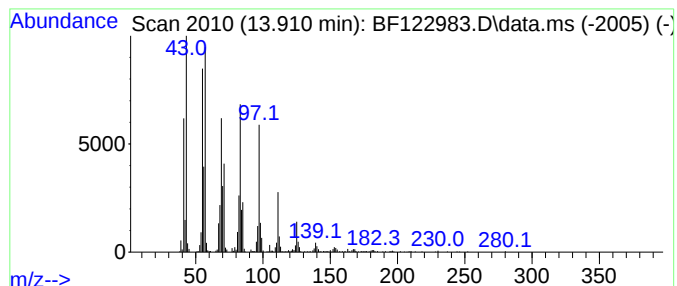
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 1-Docosene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.910	28.01 ng	1457710	Chrysene-d12	14.063

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Docosene			308	C22H44	001599-67-3	95
2	Pentafluoropropionic acid, hepta...			402	C20H35F5O2	959218-78-1	94
3	Pentafluoropropionic acid, penta...			374	C18H31F5O2	959092-08-1	94
4	Octadecyl trifluoroacetate			366	C20H37F3O2	079392-43-1	94
5	Heptadecyl trifluoroacetate			352	C19H35F3O2	1000351-87-0	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
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Acq On : 18 Jan 2021 12:22
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Misc :
ALS Vial : 7 Sample Multiplier: 1

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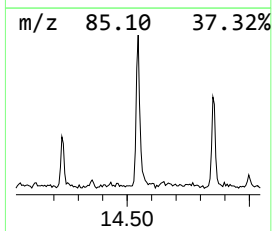
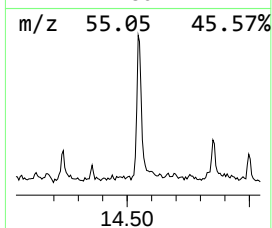
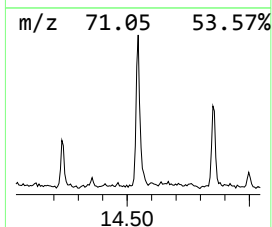
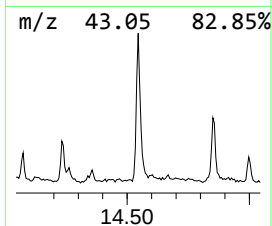
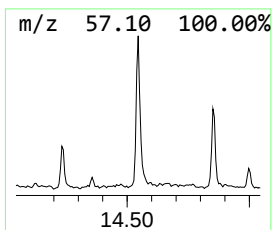
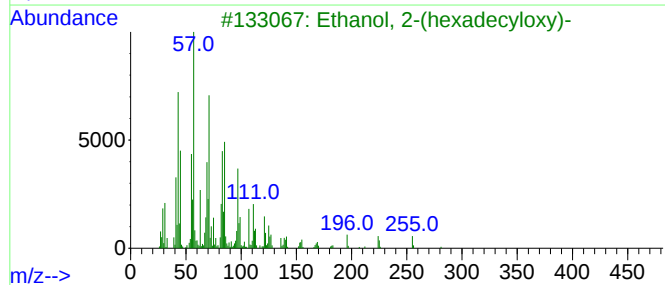
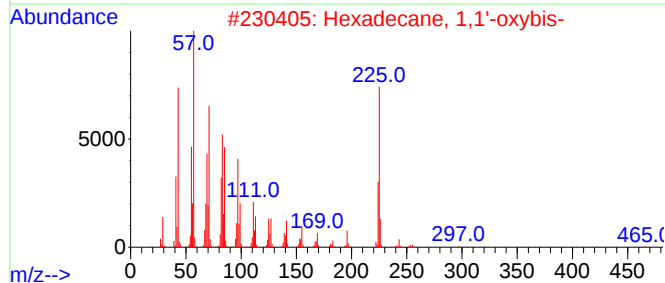
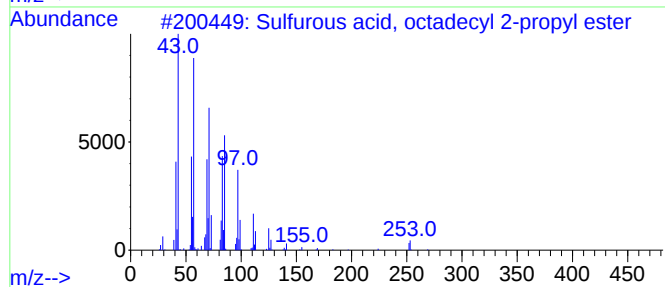
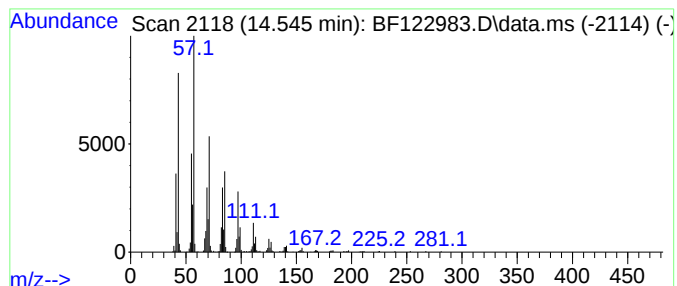
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Sulfurous acid, octadecyl 2... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.545	15.65 ng	814413	Chrysene-d12	14.063

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	87
2		Hexadecane, 1,1'-oxybis-	467	C32H66O	004113-12-6	80
3		Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	72
4		Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	68
5		Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
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Misc :
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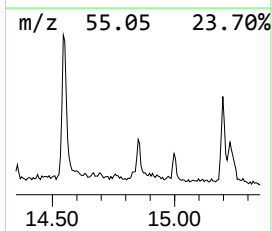
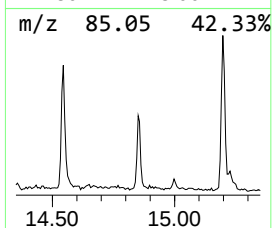
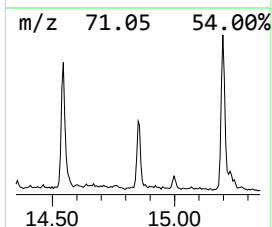
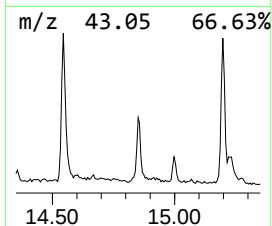
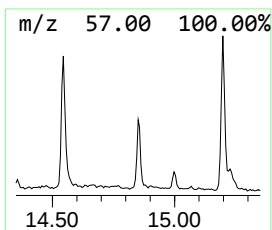
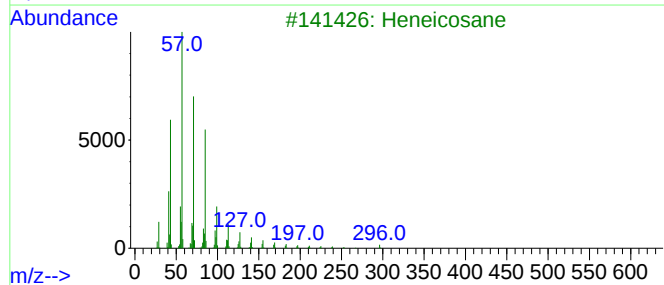
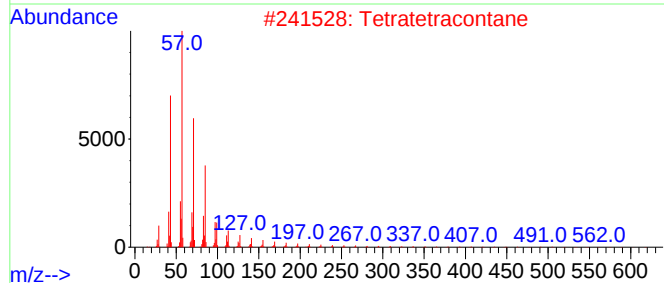
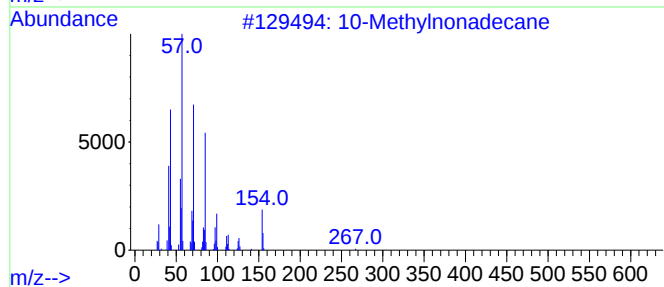
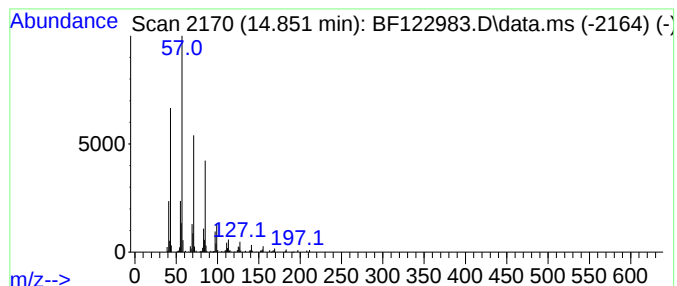
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ClientSampleId :
TOPSOIL-RBF-DARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 10-Methylnonadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.851	7.46 ng	319570	Perylene-d12	15.545	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	056862-62-5	91
2	Tetratetracontane	619	C44H90	007098-22-8	87
3	Heneicosane	296	C21H44	000629-94-7	87
4	Hexadecane	226	C16H34	000544-76-3	86
5	Hexatriacontane	507	C36H74	000630-06-8	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122983.D
Acq On : 18 Jan 2021 12:22
Operator : JU/CG
Sample : M1100-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TOPSOIL-RBF-DARK

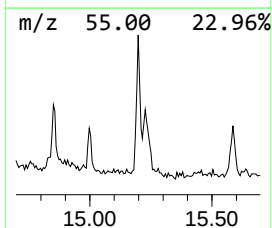
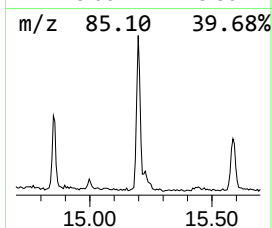
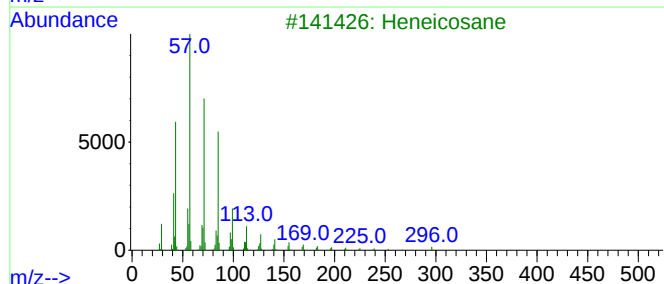
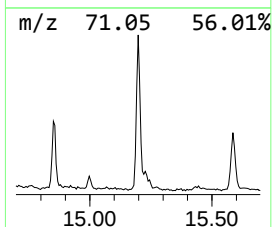
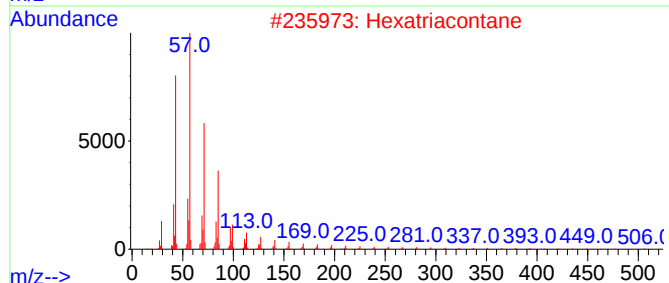
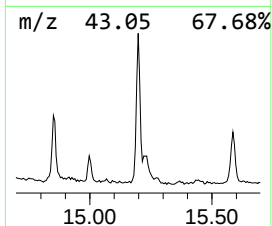
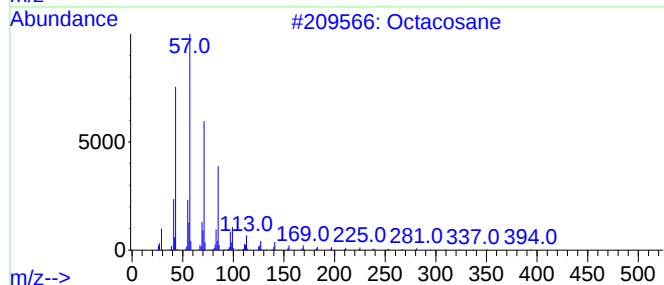
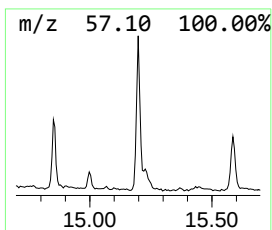
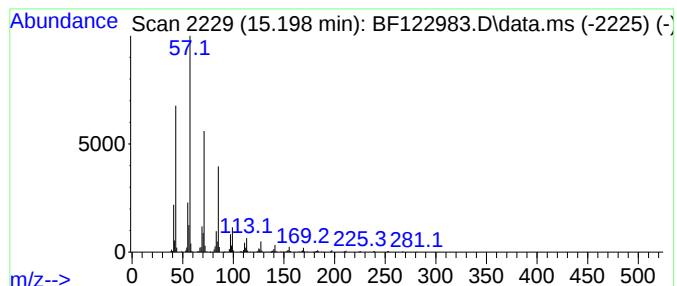
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Octacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.198	13.94 ng	597269	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosane	394	C28H58	000630-02-4	91
2			Hexatriacontane	507	C36H74	000630-06-8	91
3			Heneicosane	296	C21H44	000629-94-7	90
4			Hexacosane	366	C26H54	000630-01-3	90
5			Pentacosane	352	C25H52	000629-99-2	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122983.D
Acq On : 18 Jan 2021 12:22
Operator : JU/CG
Sample : M1100-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TOPSOIL-RBF-DARK

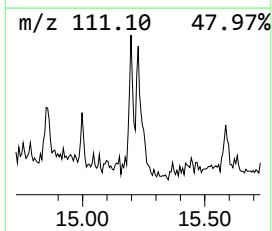
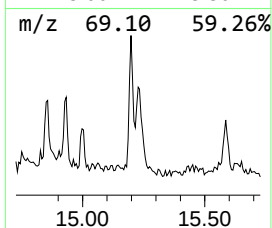
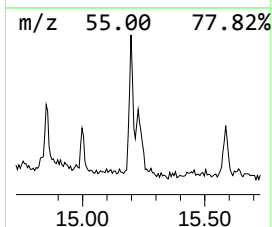
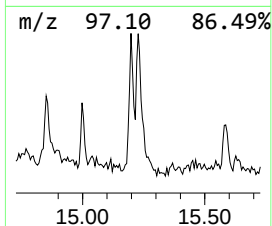
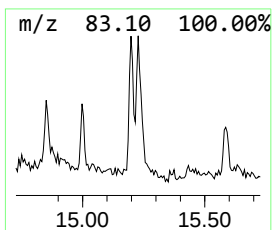
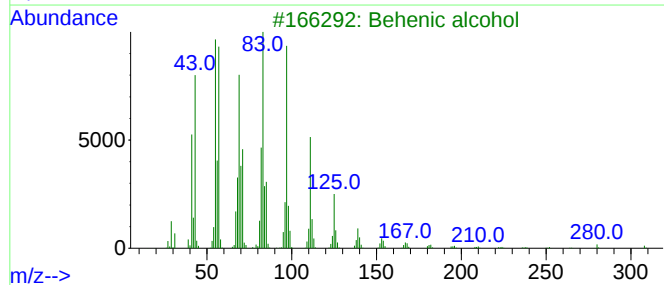
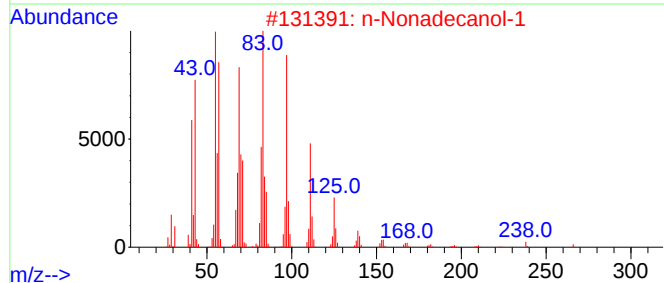
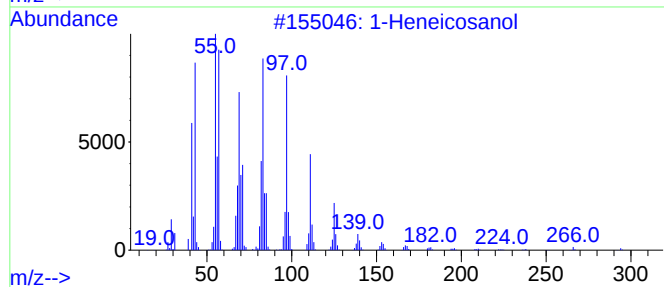
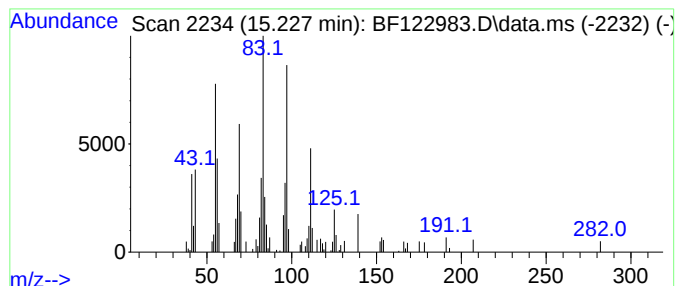
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 1-Heneicosanol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.227	4.88 ng	209322	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heneicosanol	312	C21H44O	015594-90-8	78
2			n-Nonadecanol-1	284	C19H40O	001454-84-8	78
3			Behenic alcohol	326	C22H46O	000661-19-8	78
4			Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	38
5			3-Octadecene, (E)-	252	C18H36	007206-19-1	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122983.D
Acq On : 18 Jan 2021 12:22
Operator : JU/CG
Sample : M1100-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TOPSOIL-RBF-DARK

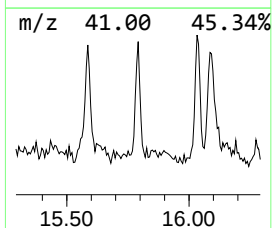
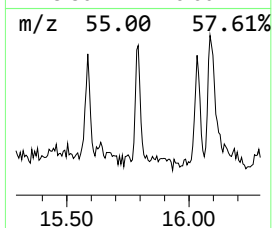
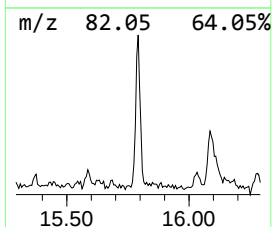
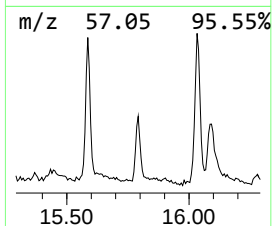
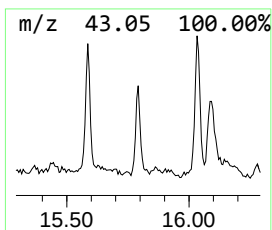
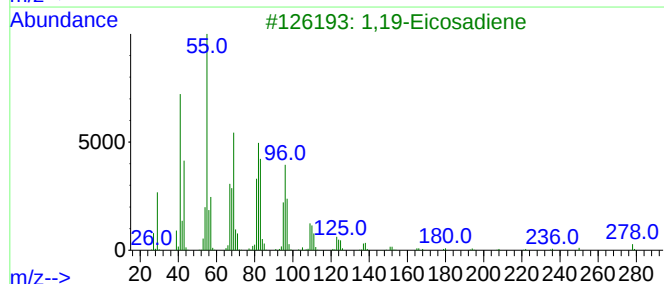
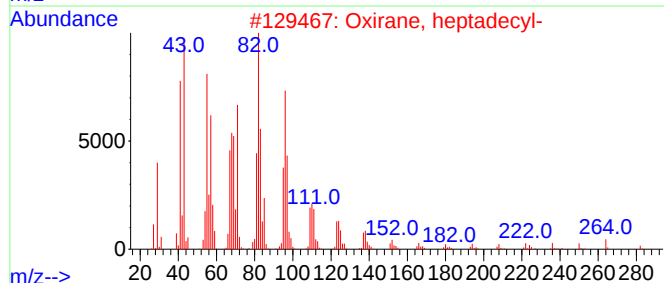
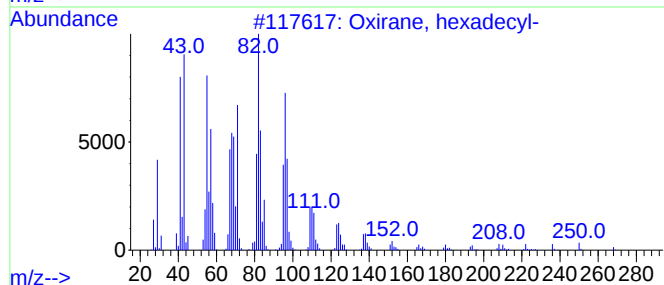
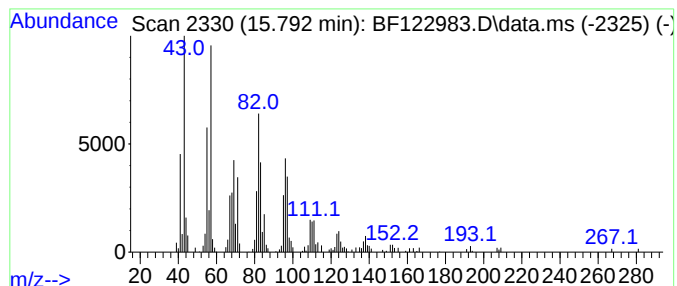
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Oxirane, hexadecyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.792	6.26 ng	268181	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
2			Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
3			1,19-Eicosadiene	278	C20H38	014811-95-1	91
4			Octadecanal	268	C18H36O	000638-66-4	91
5			1,16-Hexadecanediol	258	C16H34O2	007735-42-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122983.D
Acq On : 18 Jan 2021 12:22
Operator : JU/CG
Sample : M1100-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

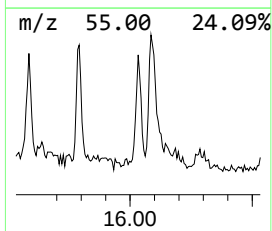
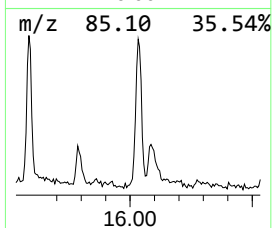
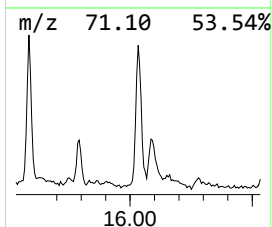
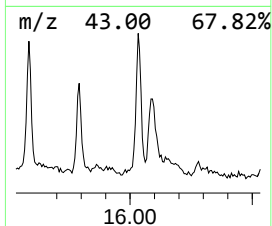
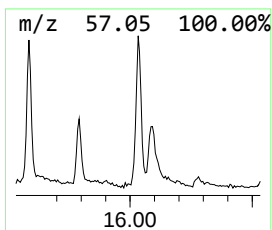
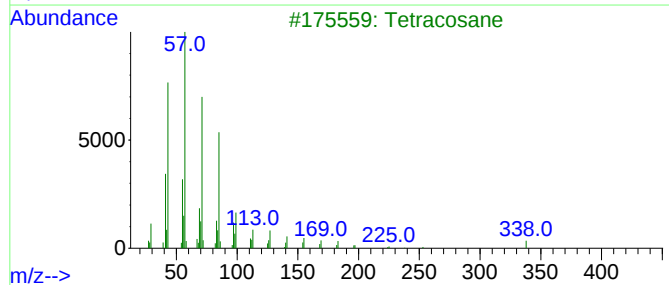
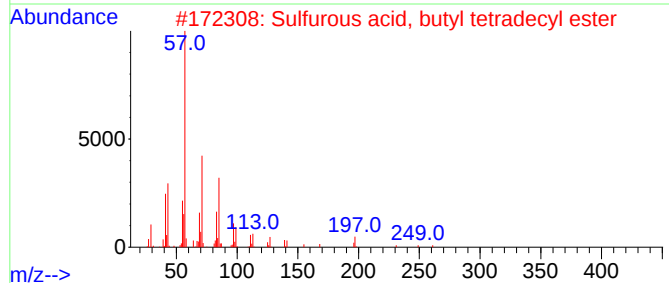
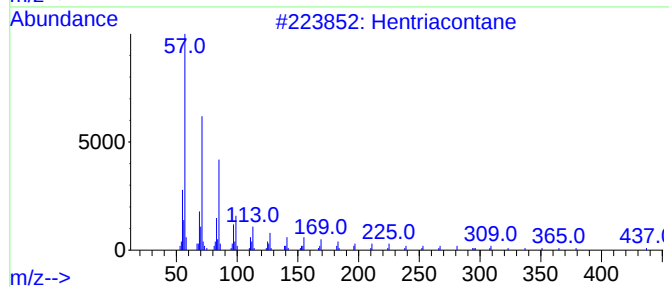
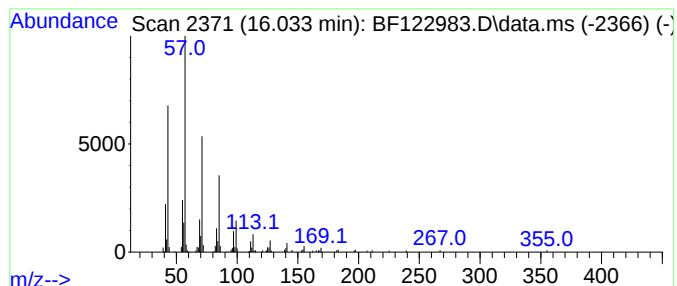
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Hentriacontane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.033	7.09 ng	303662	Perylene-d12	15.545	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	91
2	Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1000309-18-1	91
3	Tetracosane	338	C24H50	000646-31-1	90
4	Eicosane	282	C20H42	000112-95-8	90
5	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122983.D
Acq On : 18 Jan 2021 12:22
Operator : JU/CG
Sample : M1100-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

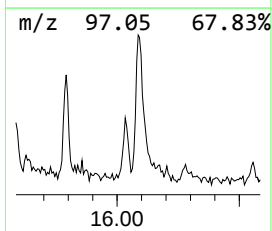
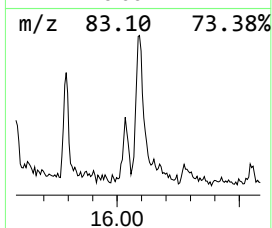
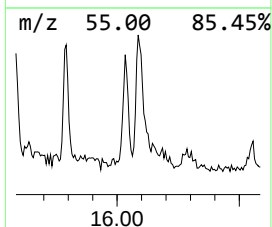
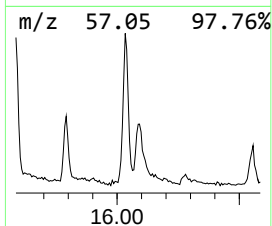
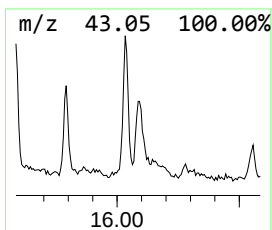
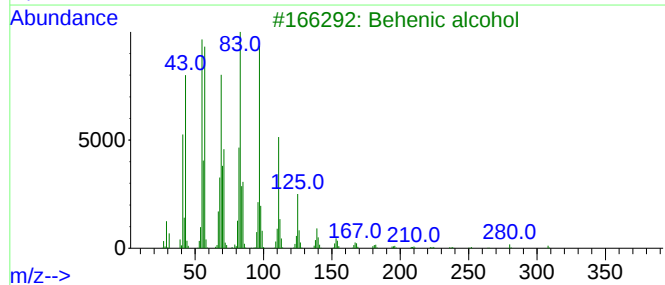
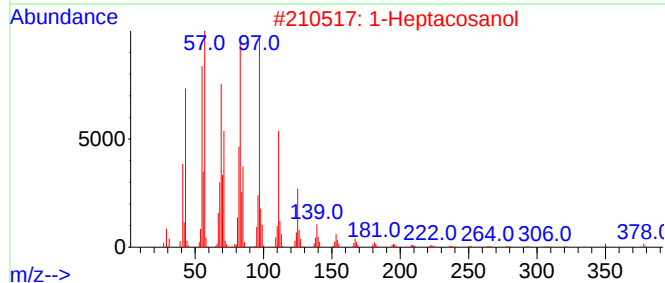
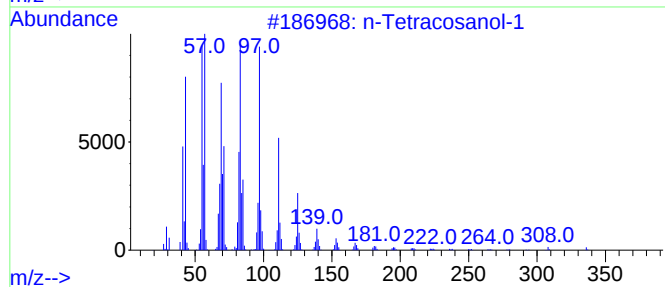
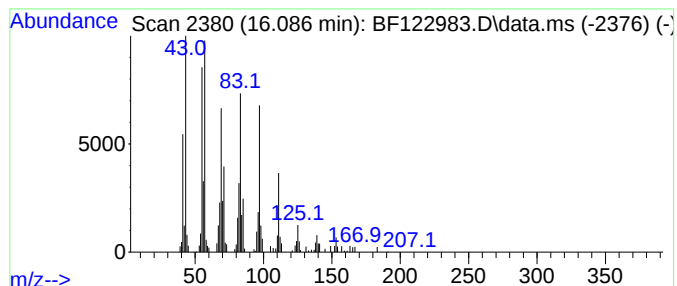
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 n-Tetracosanol-1 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.086	7.10 ng	304129	Perylene-d12	15.545	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
2	1-Heptacosanol	396	C27H56O	002004-39-9	91
3	Behenic alcohol	326	C22H46O	000661-19-8	91
4	Octacosyl acetate	452	C30H60O2	018206-97-8	91
5	Octacosanol	410	C28H58O	000557-61-9	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122983.D
Acq On : 18 Jan 2021 12:22
Operator : JU/CG
Sample : M1100-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARK

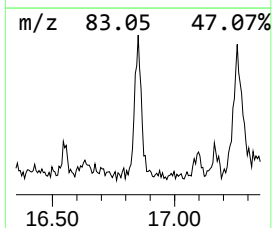
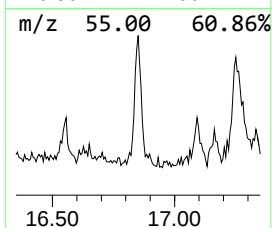
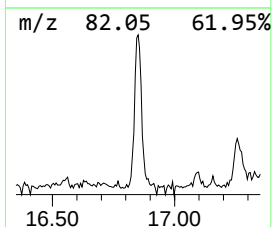
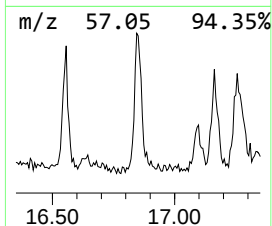
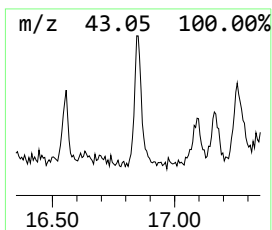
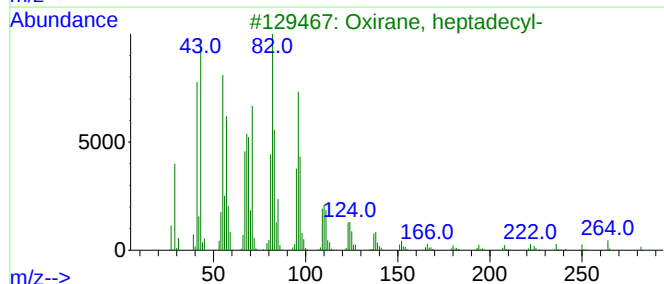
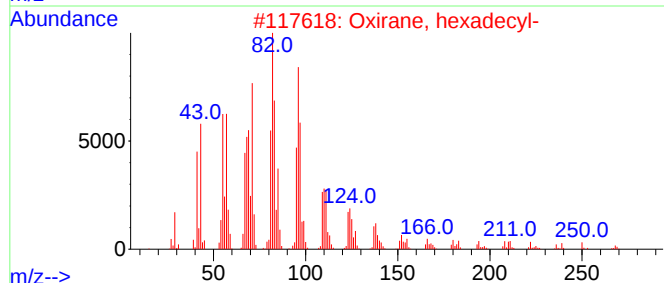
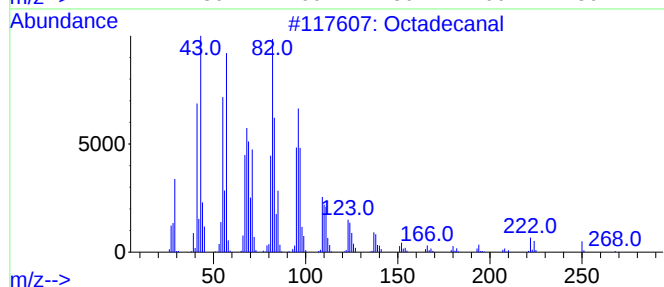
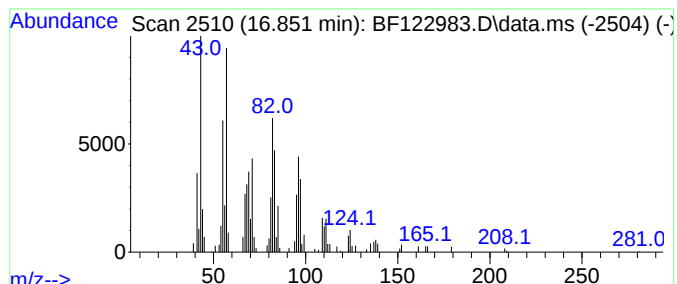
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Octadecanal Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.851	6.64 ng	284481	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanal	268	C18H36O	000638-66-4	90
2			Oxirane, hexadecyl-	268	C18H36O	007390-81-0	90
3			Oxirane, heptadecyl-	282	C19H38O	067860-04-2	72
4			1,19-Eicosadiene	278	C20H38	014811-95-1	68
5			1,16-Hexadecanediol	258	C16H34O2	007735-42-4	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122983.D
Acq On : 18 Jan 2021 12:22
Operator : JU/CG
Sample : M1100-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARK

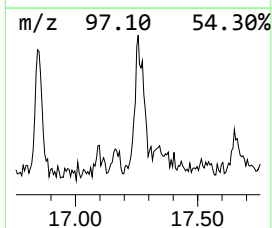
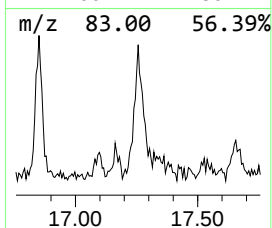
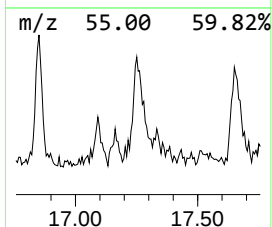
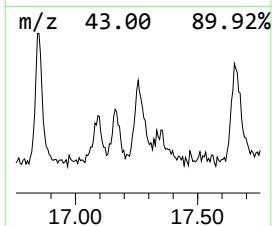
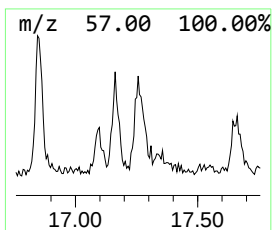
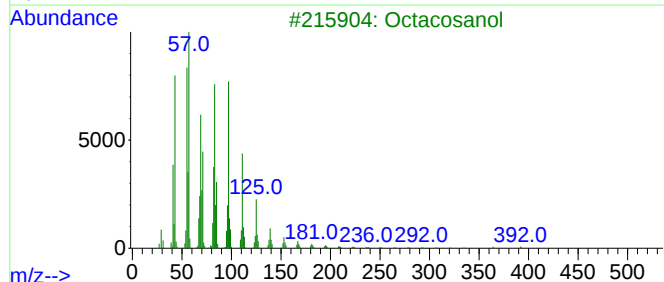
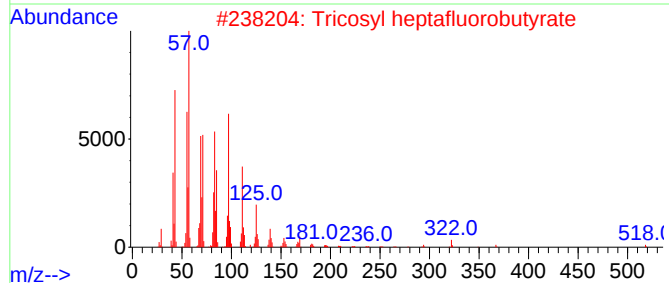
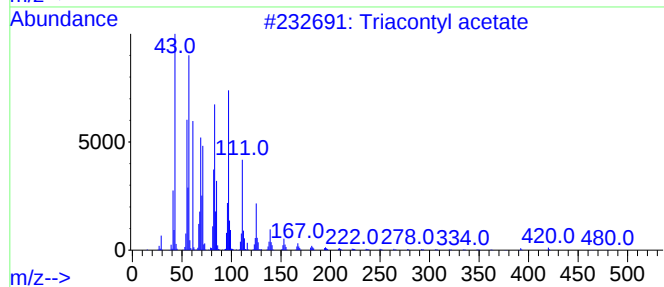
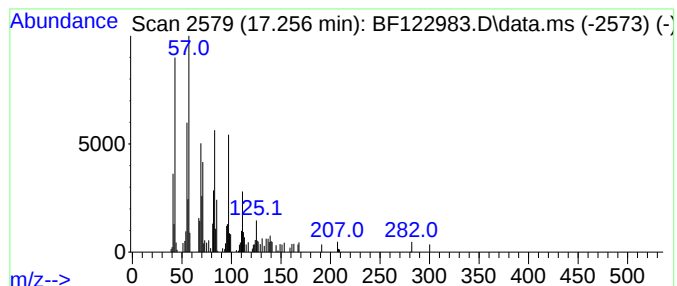
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Triacetyl acetate Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.256	4.97 ng	213191	Perylene-d12	15.545

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Triacetyl acetate	480	C32H64O2	041755-58-2	87
2			Tricosyl heptafluorobutyrate	536	C27H47F7O2	1000351-83-4	81
3			Octacosanol	410	C28H58O	000557-61-9	81
4			Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	81
5			Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122983.D
Acq On : 18 Jan 2021 12:22
Operator : JU/CG
Sample : M1100-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

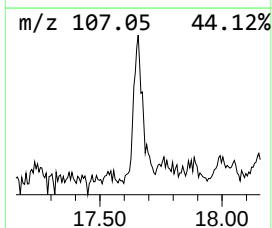
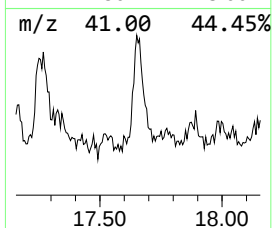
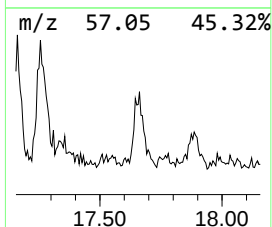
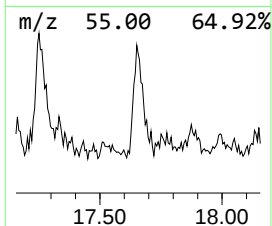
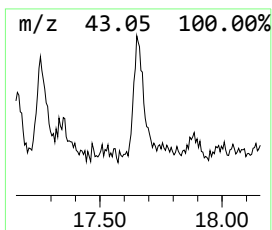
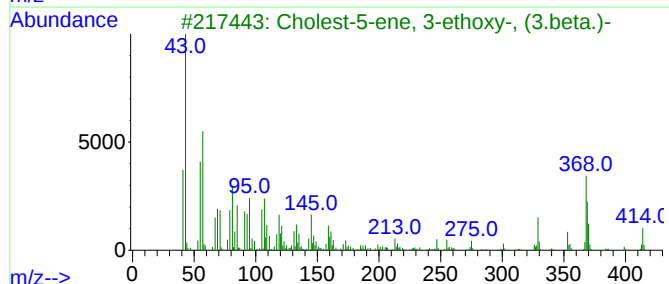
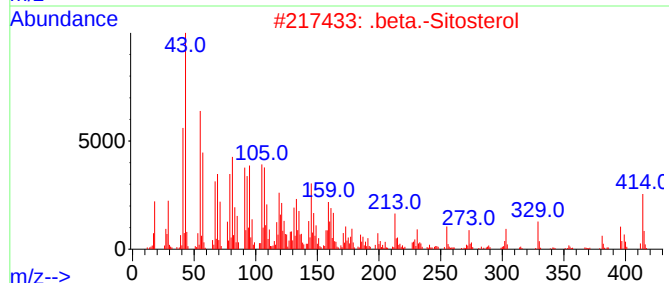
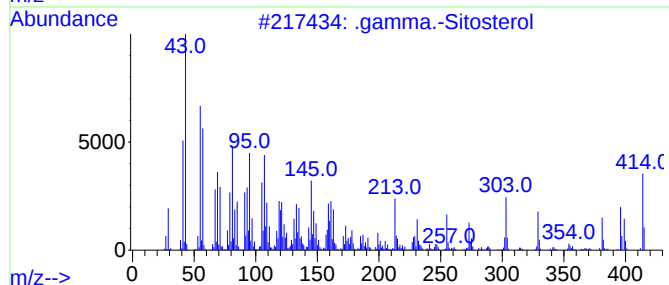
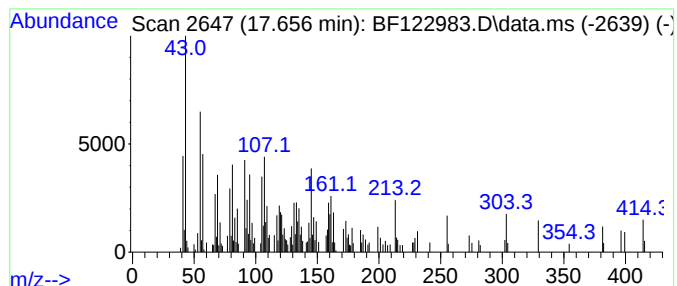
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 .gamma.-Sitosterol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.656	10.39 ng	445496	Perylene-d12	15.545	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	97
3	Cholest-5-ene, 3-ethoxy-, (3.beta.)-	414	C29H50O	000986-19-6	46
4	.beta.-Sitosterol acetate	456	C31H52O2	000915-05-9	43
5	17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
Data File : BF122983.D
Acq On : 18 Jan 2021 12:22
Operator : JU/CG
Sample : M1100-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-DARK

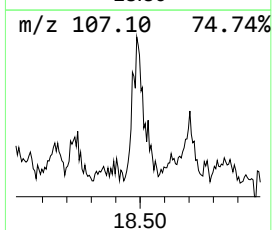
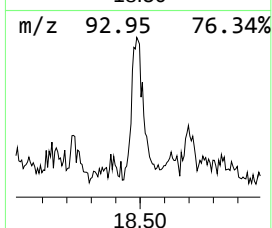
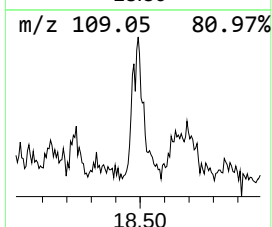
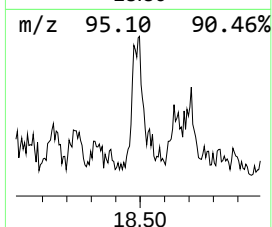
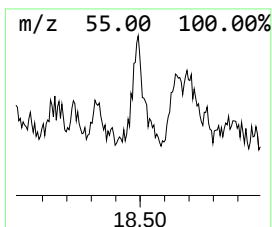
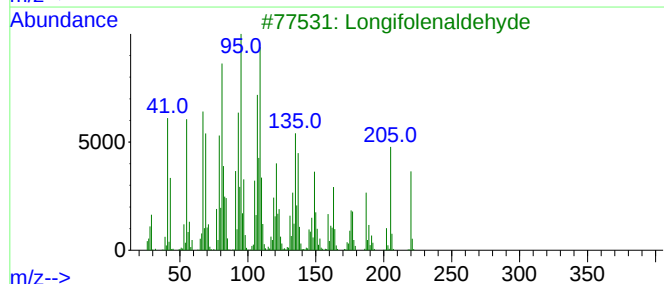
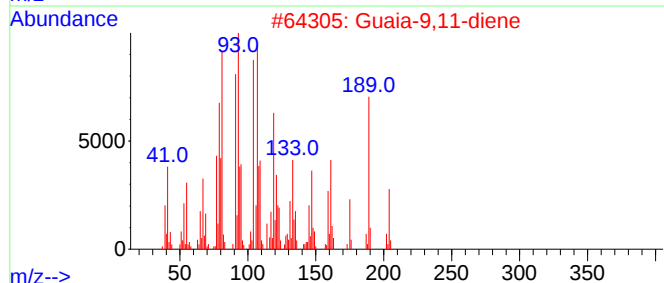
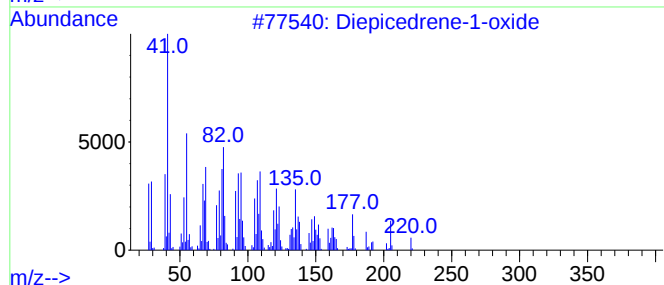
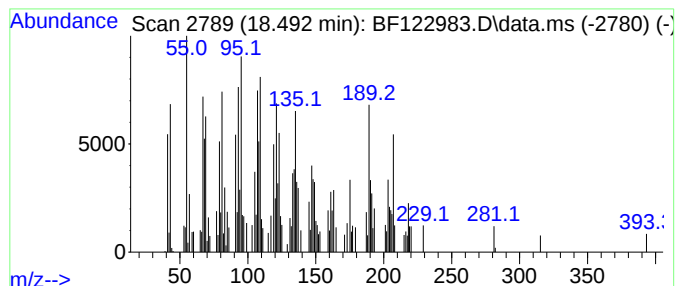
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Diepicedrene-1-oxide Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.492	8.34 ng	357584	Perylene-d12	15.545

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Diepicedrene-1-oxide	220	C15H24O	1000156-11-0	83
2		Guaia-9,11-diene	204	C15H24	1000374-19-8	80
3		Longifolenaldehyde	220	C15H24O	019890-84-7	55
4		Bicyclo[5.2.0]nonane, 2-methylen...	204	C15H24	242794-76-9	50
5		Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
 Data File : BF122983.D
 Acq On : 18 Jan 2021 12:22
 Operator : JU/CG
 Sample : M1100-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-RBF-DARK

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.199	15.4	ng	866508	1	6.892	1122650	20.0
Ethanol, 2-(2-e...	6.716	8.7	ng	488630	1	6.892	1122650	20.0
1,2,4-Metheno-1...	9.316	6.2	ng	419184	3	9.933	1355350	20.0
cis-Z-.alpha.-B...	9.369	17.8	ng	1206990	3	9.933	1355350	20.0
Phenol, 2,6-dim...	10.874	6.9	ng	370303	4	11.422	1075870	20.0
n-Hexadecanoic ...	11.957	74.5	ng	4005540	4	11.422	1075870	20.0
1H-3a,7-Methano...	12.039	8.4	ng	452166	4	11.422	1075870	20.0
Octadecanoic acid	12.745	50.1	ng	2606420	5	14.063	1040720	20.0
1-Docosene	13.910	28.0	ng	1457710	5	14.063	1040720	20.0
Sulfurous acid,...	14.545	15.7	ng	814413	5	14.063	1040720	20.0
10-Methylnonade...	14.851	7.5	ng	319570	6	15.545	857149	20.0
Octacosane	15.198	13.9	ng	597269	6	15.545	857149	20.0
1-Heneicosanol	15.227	4.9	ng	209322	6	15.545	857149	20.0
Oxirane, hexade...	15.792	6.3	ng	268181	6	15.545	857149	20.0
Hentriacontane	16.033	7.1	ng	303662	6	15.545	857149	20.0
n-Tetracosanol-1	16.086	7.1	ng	304129	6	15.545	857149	20.0
Octadecanal	16.851	6.6	ng	284481	6	15.545	857149	20.0
Triacetyl acetate	17.256	5.0	ng	213191	6	15.545	857149	20.0
.gamma.-Sitosterol	17.656	10.4	ng	445496	6	15.545	857149	20.0
Diepicedrene-1-...	18.492	8.3	ng	357584	6	15.545	857149	20.0