

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
 Data File : BF142599.D
 Acq On : 02 Jun 2025 16:03
 Operator : RC/JU
 Sample : Q2149-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILTER-CAKE

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-BF052025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142599.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.145	493	502	516	rVB	637967	1089152	3.37%	0.843%
2	5.439	516	552	556	rBV	220947	1623176	5.02%	1.257%
3	5.534	560	568	573	rBV2	1757674	3336055	10.32%	2.583%
4	5.710	588	598	602	rBV2	367665	944970	2.92%	0.732%
5	6.157	616	674	682	rBV4	1311660	11043300	34.17%	8.552%
6	6.533	730	738	743	rBV	1607332	2387669	7.39%	1.849%
7	6.786	743	781	787	rVB	889385	6217341	19.24%	4.815%
8	6.898	796	800	805	rVB	571175	706848	2.19%	0.547%
9	6.975	808	813	819	rBV	372064	538052	1.66%	0.417%
10	7.051	819	826	835	rVB	316176	527639	1.63%	0.409%
11	7.310	861	870	875	rBV	2680579	4479324	13.86%	3.469%
12	7.463	889	896	901	rBV	1467989	2127240	6.58%	1.647%
13	7.616	914	922	925	rVV	323292	698124	2.16%	0.541%
14	8.016	971	990	999	rVB	964049	3906644	12.09%	3.025%
15	8.180	1008	1018	1025	rBV	700097	1167185	3.61%	0.904%
16	8.522	1057	1076	1080	rVV	1173815	4283564	13.25%	3.317%
17	8.580	1082	1086	1093	rVB4	345371	579451	1.79%	0.449%
18	8.769	1113	1118	1121	rBV	292438	424667	1.31%	0.329%
19	8.798	1121	1123	1130	rVB2	180932	337650	1.04%	0.261%
20	9.122	1172	1178	1182	rVV	525189	1032910	3.20%	0.800%
21	9.174	1182	1187	1195	rVV	717725	1246608	3.86%	0.965%
22	9.257	1196	1201	1206	rVV	2554715	3210837	9.94%	2.486%
23	9.533	1243	1248	1254	rVB2	630677	1020264	3.16%	0.790%
24	9.939	1312	1317	1321	rBV	688957	849636	2.63%	0.658%
25	10.074	1331	1340	1349	rVV	962206	2313335	7.16%	1.791%
26	10.163	1349	1355	1368	rVB2	524199	1131435	3.50%	0.876%
27	10.533	1404	1418	1423	rVV2	833087	2555193	7.91%	1.979%
28	10.657	1433	1439	1446	rVB4	210435	409496	1.27%	0.317%
29	10.727	1446	1451	1460	rVB	1283661	1780502	5.51%	1.379%
30	10.839	1460	1470	1474	rBV2	137313	336142	1.04%	0.260%
31	10.898	1475	1480	1483	rBV	229600	444431	1.38%	0.344%
32	10.939	1483	1487	1495	rVB4	298616	654333	2.02%	0.507%
33	11.110	1509	1516	1528	rVB	1485269	2421602	7.49%	1.875%
34	11.427	1554	1570	1575	rBV2	612023	1534821	4.75%	1.189%
35	11.904	1642	1651	1657	rBV3	1088170	2890345	8.94%	2.238%
36	11.986	1657	1665	1671	rVB	4215543	9427375	29.17%	7.300%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
 Data File : BF142599.D
 Acq On : 02 Jun 2025 16:03
 Operator : RC/JU
 Sample : Q2149-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FILTER-CAKE

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-BF052025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.457	1737	1745	1751	rVV	534342	1066448	3.30%	0.826%
38	12.727	1772	1791	1797	rBV4	7216238	32317929	100.00%	25.027%
39	12.780	1797	1800	1807	rVB	2445423	3311883	10.25%	2.565%
40	12.980	1829	1834	1836	rBV3	248773	414028	1.28%	0.321%
41	13.015	1836	1840	1845	rVB	1632146	2088263	6.46%	1.617%
42	13.157	1861	1864	1869	rVB	251603	328431	1.02%	0.254%
43	13.404	1901	1906	1912	rVB3	760122	1324904	4.10%	1.026%
44	13.474	1914	1918	1922	rBV3	233643	417438	1.29%	0.323%
45	13.892	1986	1989	2002	rVB4	416131	1177931	3.64%	0.912%
46	14.074	2016	2020	2026	rVB	854397	1113283	3.44%	0.862%
47	14.468	2083	2087	2095	rVB	274734	436156	1.35%	0.338%
48	14.698	2121	2126	2130	rBV	1457127	2128097	6.58%	1.648%
49	14.927	2161	2165	2169	rBV2	539118	819218	2.53%	0.634%
50	15.568	2269	2274	2280	rBV	472727	781555	2.42%	0.605%
51	15.715	2294	2299	2313	rVB2	219195	643479	1.99%	0.498%
52	16.021	2346	2351	2359	rVB	272194	533777	1.65%	0.413%
53	16.298	2392	2398	2409	rVB2	253151	554285	1.72%	0.429%

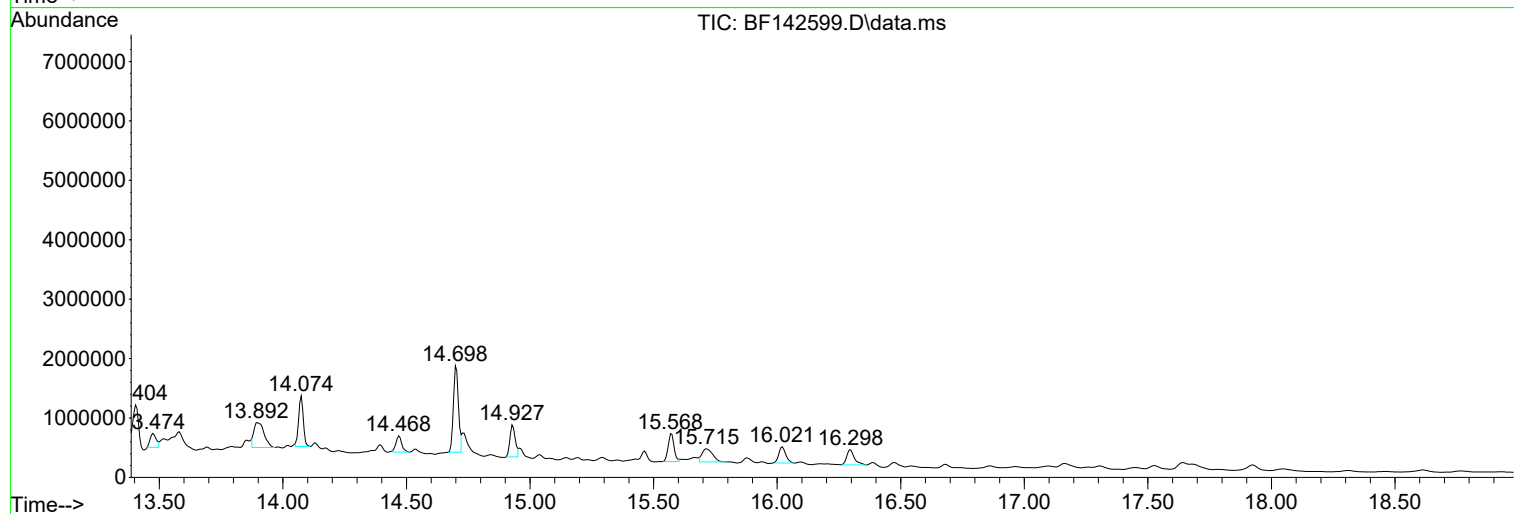
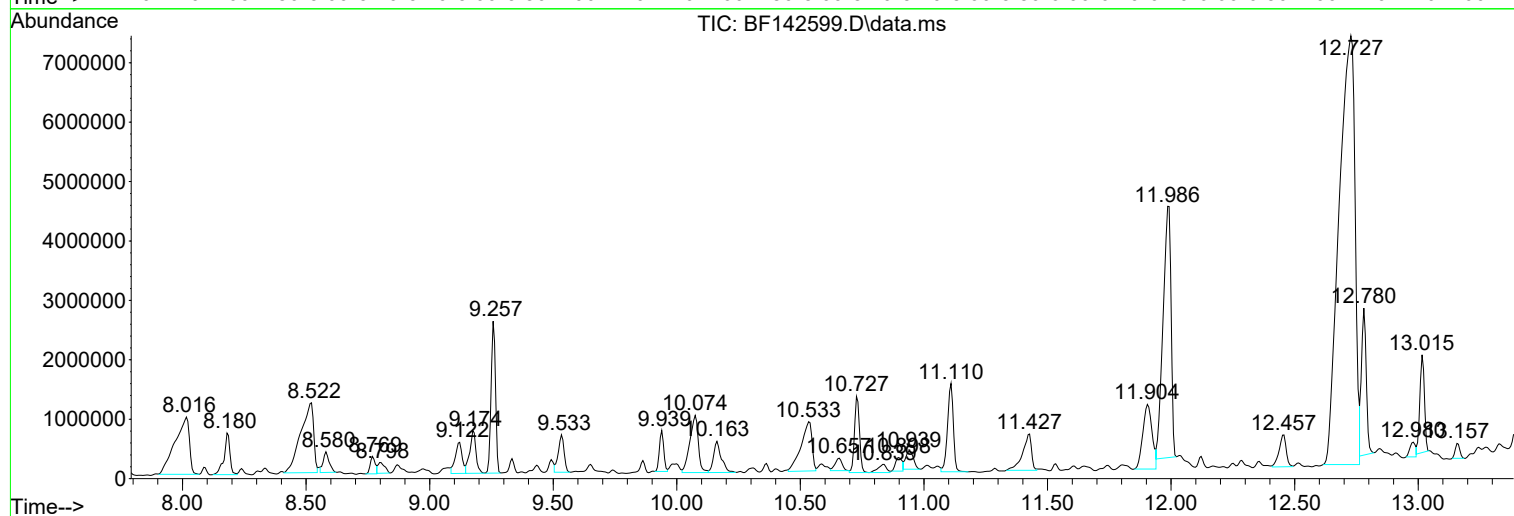
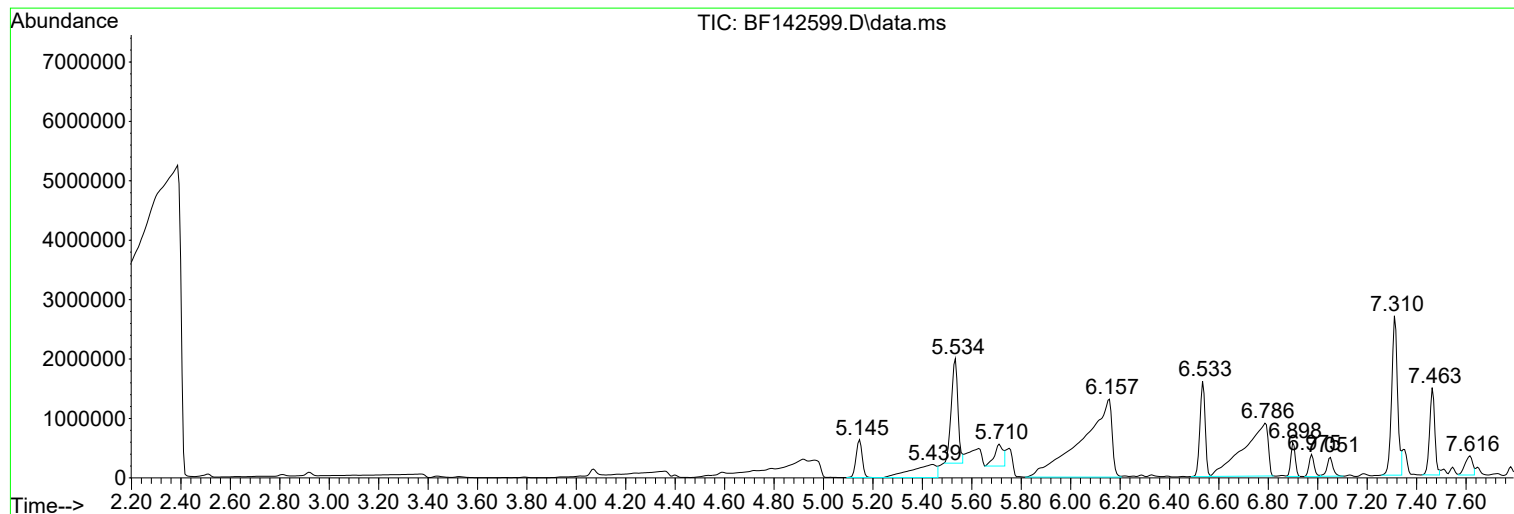
Sum of corrected areas: 129134421

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

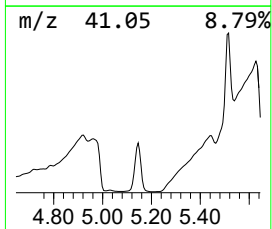
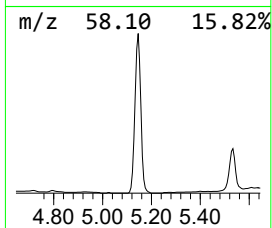
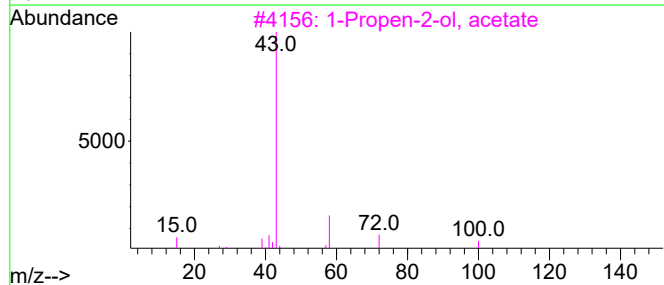
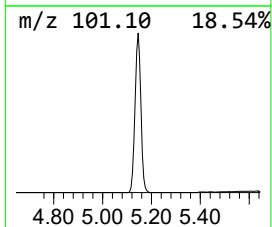
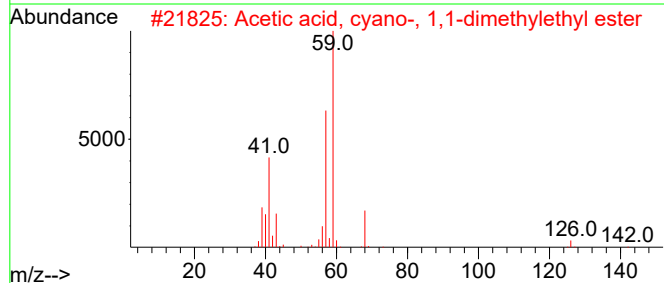
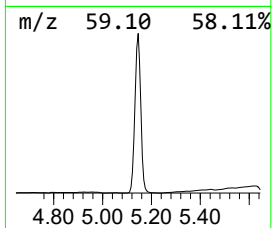
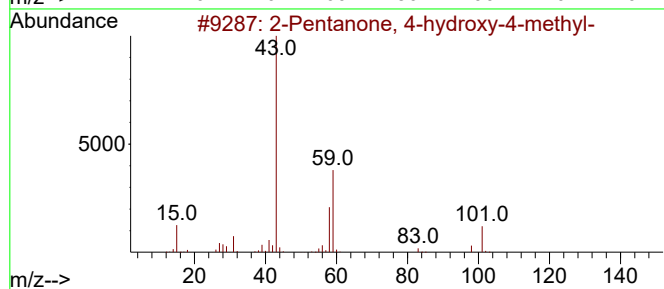
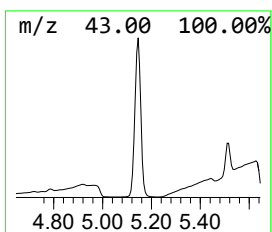
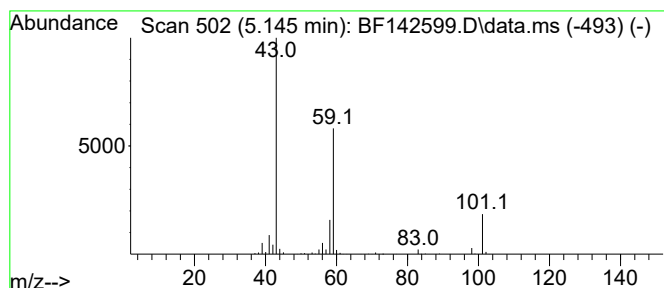
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.145	30.82 ng	1089150	1,4-Dichlorobenzene-d4	6.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25		
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12		
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9		
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

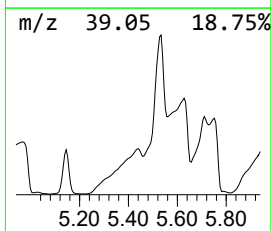
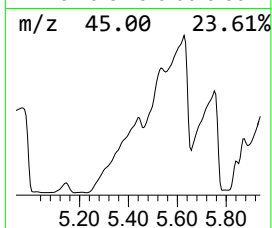
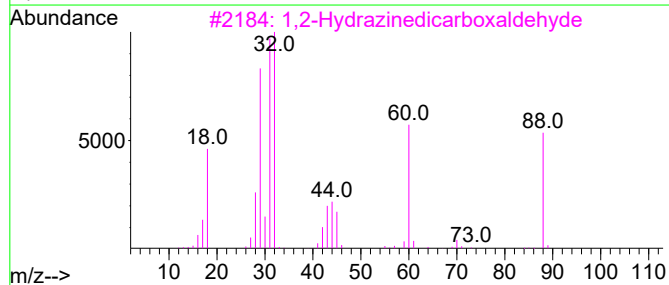
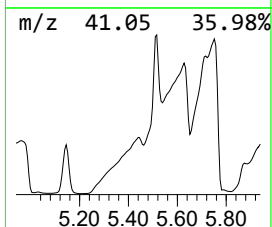
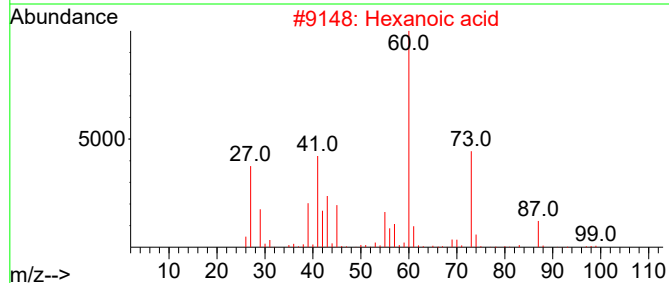
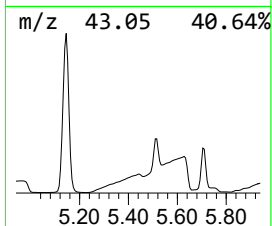
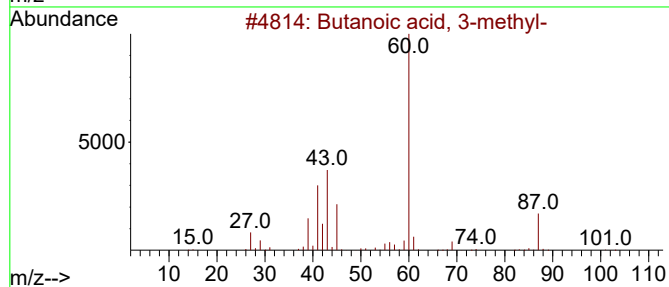
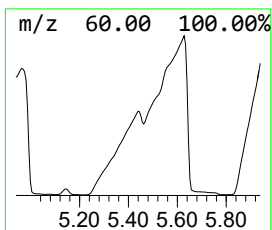
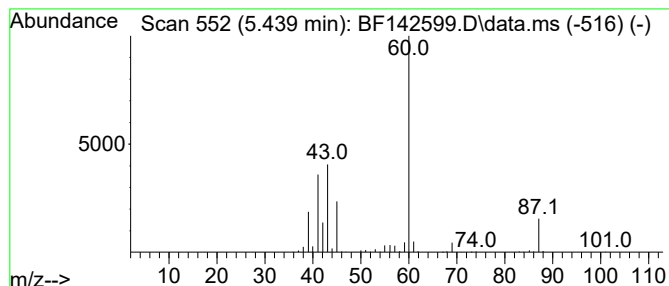
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Butanoic acid, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.439	45.93 ng	1623180	1,4-Dichlorobenzene-d4	6.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	90
2			Hexanoic acid	116	C6H12O2	000142-62-1	40
3			1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	39
4			1-Pentanamine	87	C5H13N	000110-58-7	9
5			Thiophene, tetrahydro-	88	C4H8S	000110-01-0	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

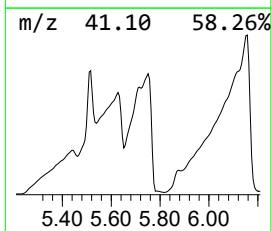
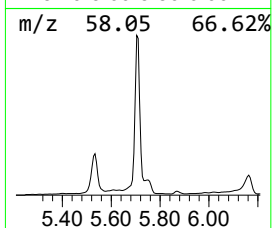
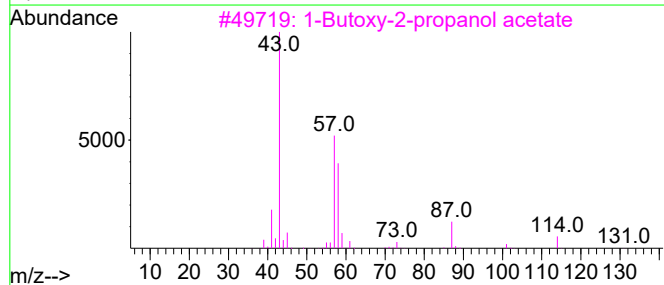
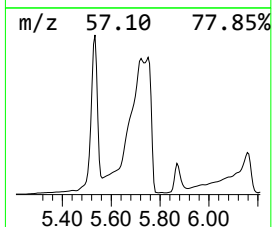
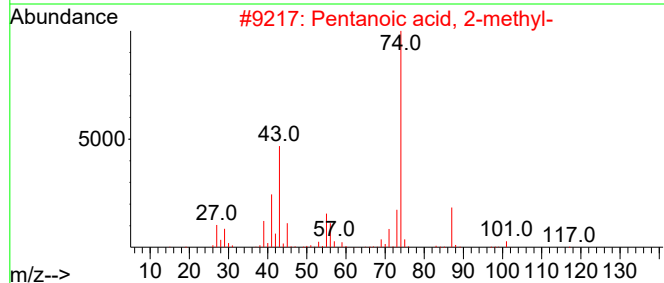
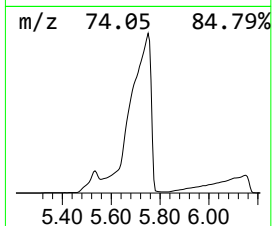
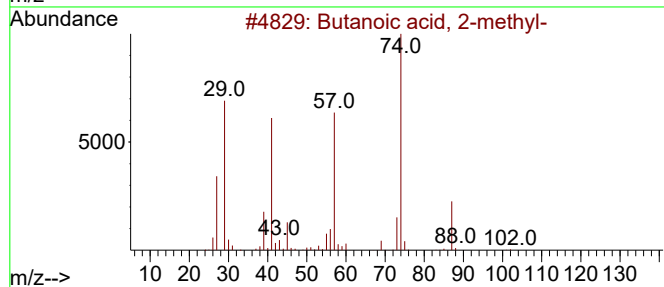
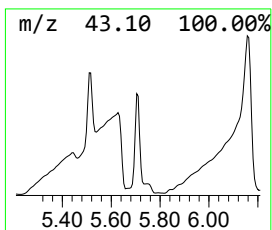
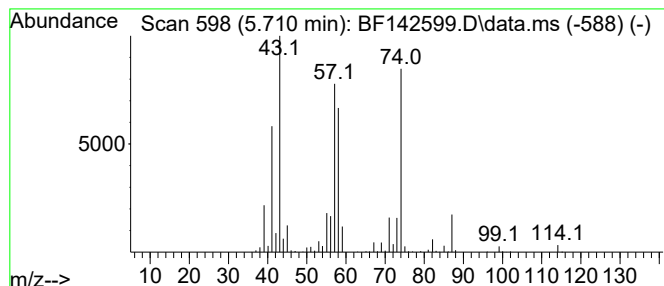
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Butanoic acid, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.710	26.74 ng	944970	1,4-Dichlorobenzene-d4	6.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butanoic acid, 2-methyl-	102	C5H10O2	000116-53-0	50
2			Pentanoic acid, 2-methyl-	116	C6H12O2	000097-61-0	47
3			1-Butoxy-2-propanol acetate	174	C9H18O3	085409-76-3	35
4			2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	27
5			2-Heptanone	114	C7H14O	000110-43-0	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

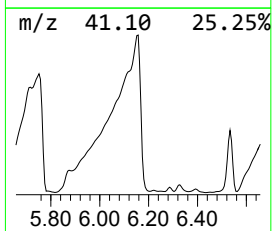
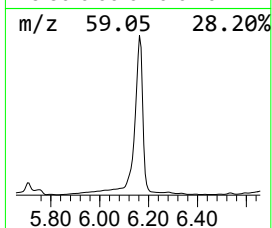
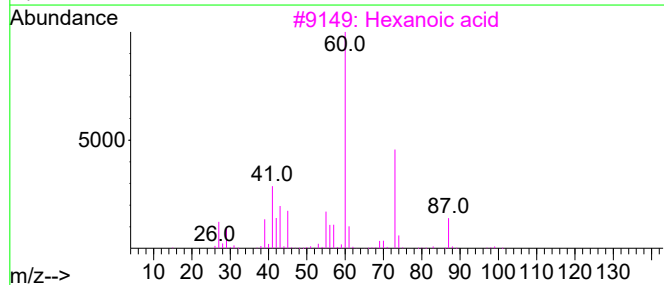
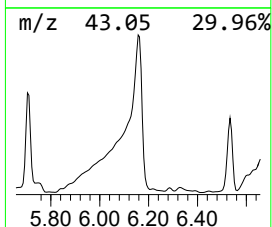
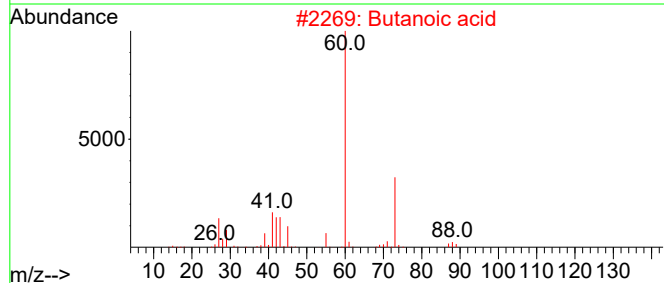
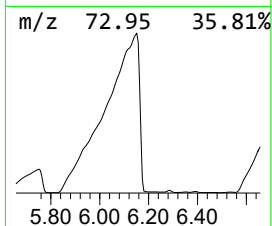
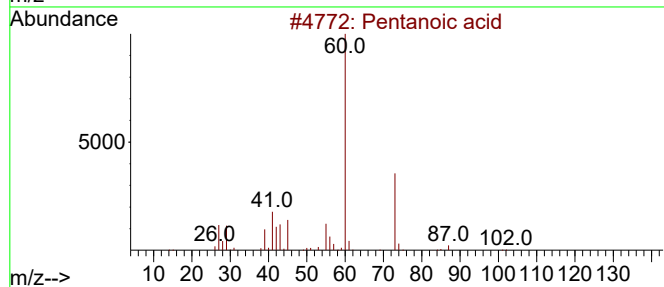
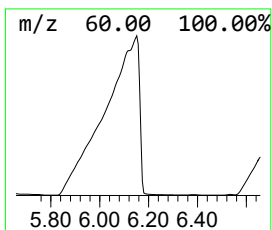
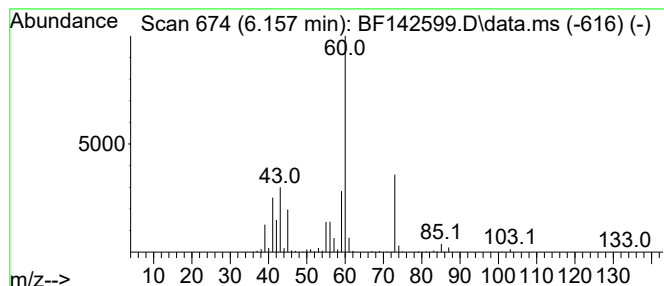
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Pentanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.157	312.47 ng	11043300	1,4-Dichlorobenzene-d4	6.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentanoic acid	102	C5H10O2	000109-52-4	59
2			Butanoic acid	88	C4H8O2	000107-92-6	53
3			Hexanoic acid	116	C6H12O2	000142-62-1	50
4			.beta.-D-Glucopyranose, 1,6-anhy...	162	C6H10O5	000498-07-7	45
5			Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

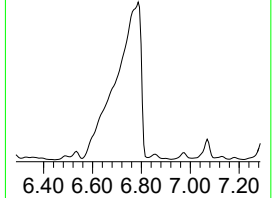
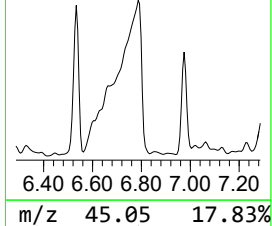
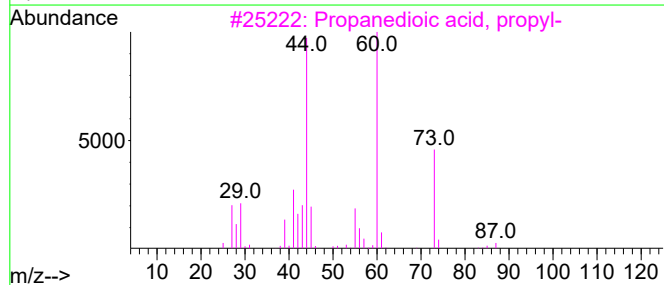
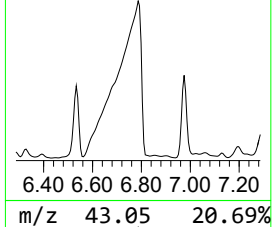
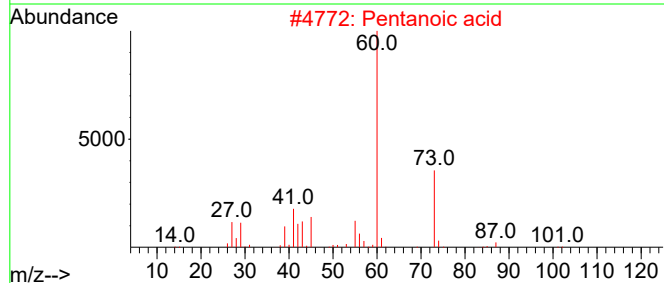
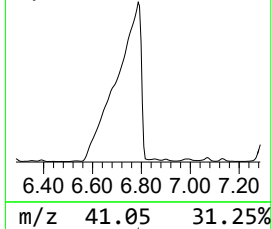
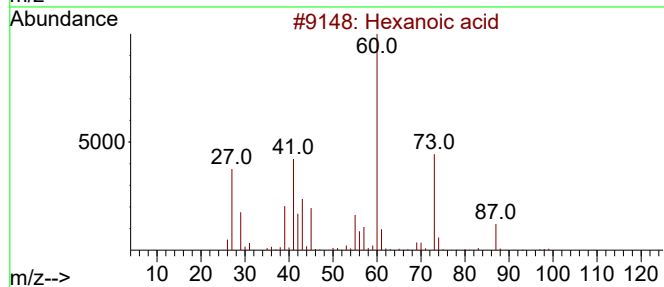
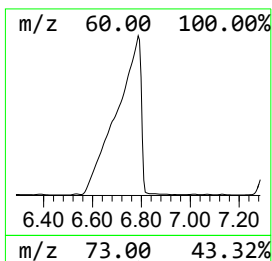
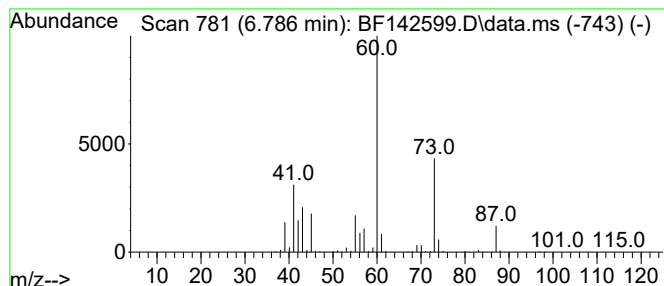
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.786	175.92 ng	6217340	1,4-Dichlorobenzene-d4	6.898

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexanoic acid	116	C6H12O2	000142-62-1	90
2			Pentanoic acid	102	C5H10O2	000109-52-4	78
3			Propanedioic acid, propyl-	146	C6H10O4	000616-62-6	64
4			Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	64
5			Butanoic acid	88	C4H8O2	000107-92-6	39



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

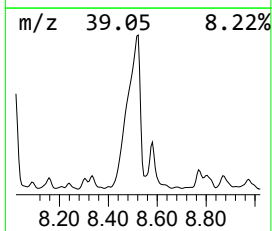
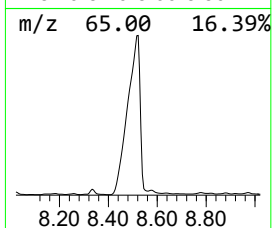
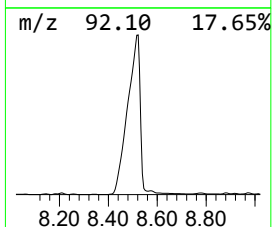
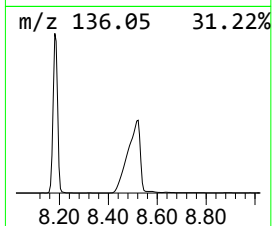
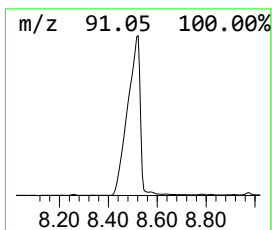
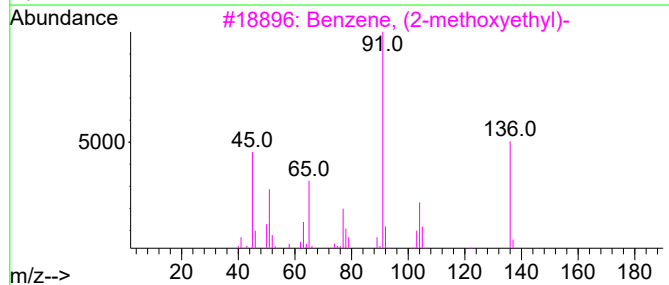
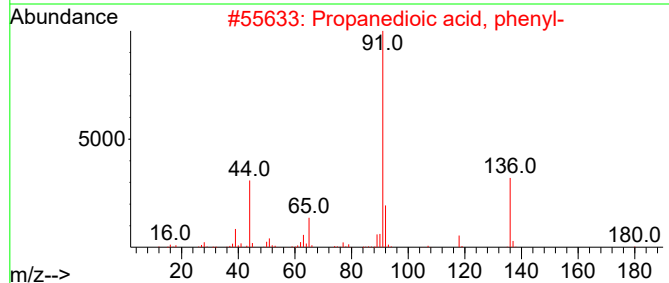
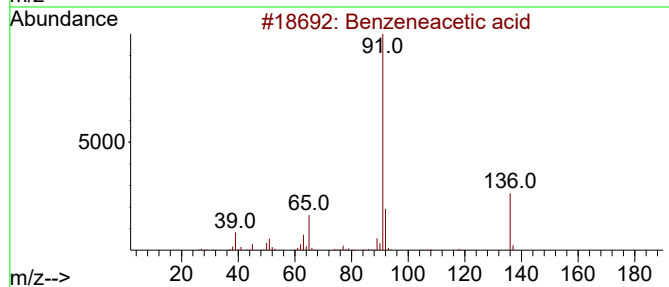
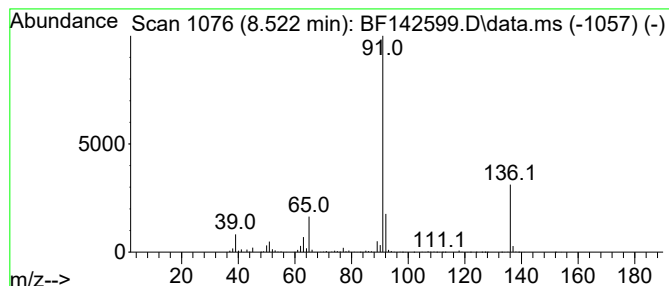
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzeneacetic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.522	73.40 ng	4283560	Naphthalene-d8	8.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid	136	C8H8O2	000103-82-2	95
2	Propanedioic acid, phenyl-	180	C9H8O4	002613-89-0	78
3	Benzene, (2-methoxyethyl)-	136	C9H12O	003558-60-9	72
4	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	64
5	p-Methylbenzeneboronic acid	136	C7H9BO2	005720-05-8	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

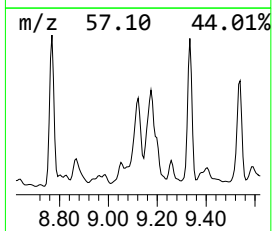
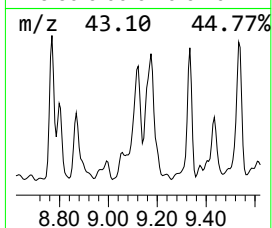
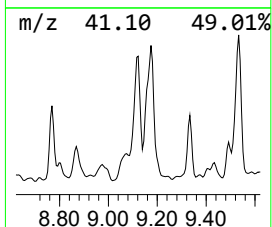
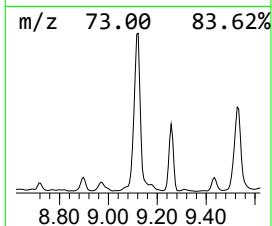
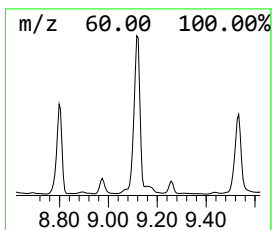
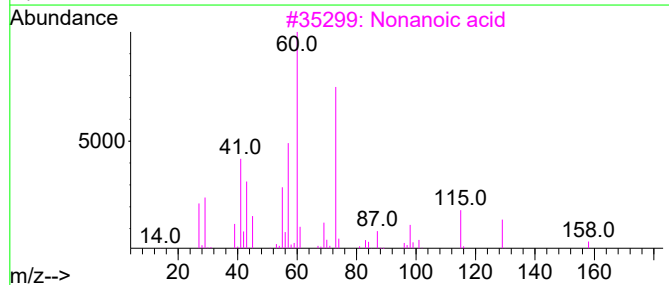
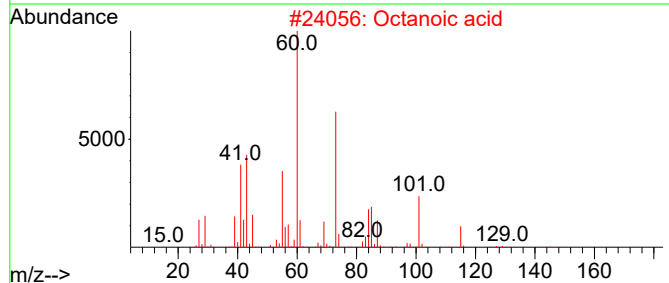
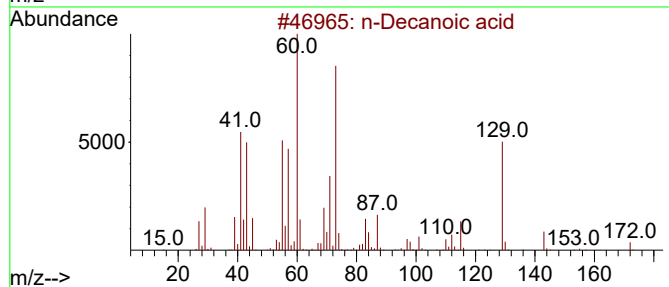
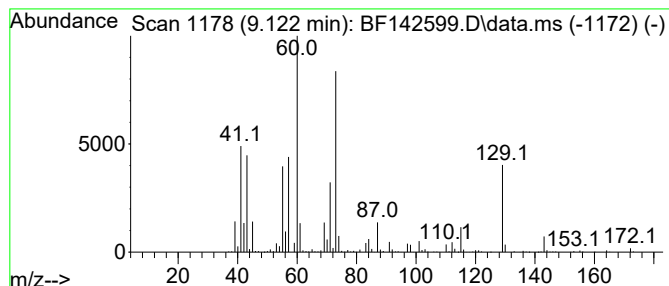
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 n-Decanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.122	24.31 ng	1032910	Acenaphthene-d10	9.939

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Decanoic acid	172	C10H20O2	000334-48-5	97
2			Octanoic acid	144	C8H16O2	000124-07-2	50
3			Nonanoic acid	158	C9H18O2	000112-05-0	50
4			Hexanoic acid	116	C6H12O2	000142-62-1	47
5			Pentanoic acid	102	C5H10O2	000109-52-4	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

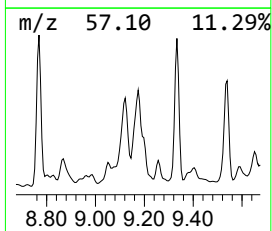
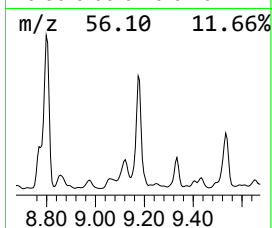
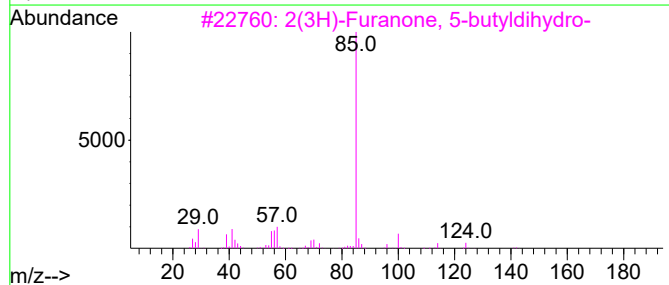
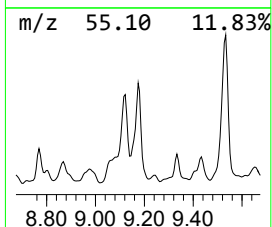
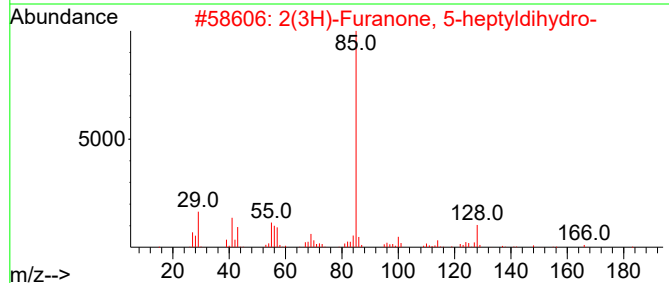
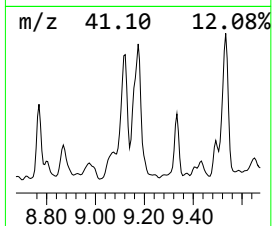
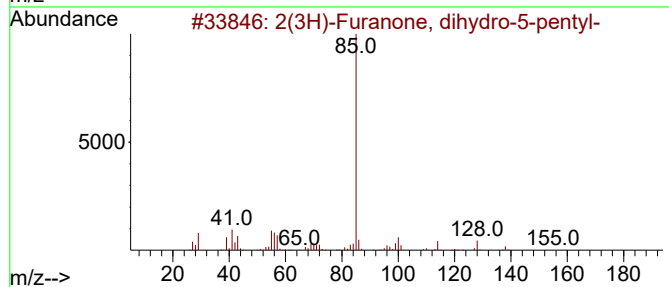
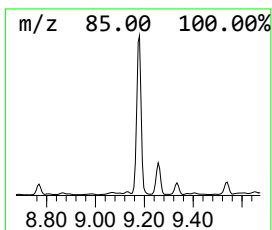
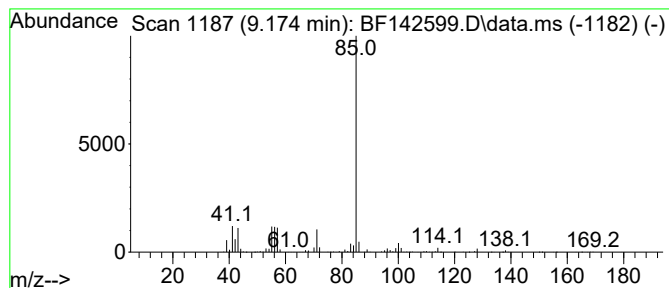
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 2(3H)-Furanone, dihydro-5-p... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.174	29.34 ng	1246610	Acenaphthene-d10	9.939

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2(3H)-Furanone, dihydro-5-pentyl-	156	C9H16O2	000104-61-0	90
2		2(3H)-Furanone, 5-heptyldihydro-	184	C11H20O2	000104-67-6	72
3		2(3H)-Furanone, 5-butyldihydro-	142	C8H14O2	000104-50-7	72
4		.gamma.-Dodecalactone	198	C12H22O2	002305-05-7	72
5		5-Hydroxypentanal	102	C5H10O2	004221-03-8	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

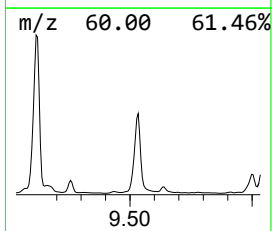
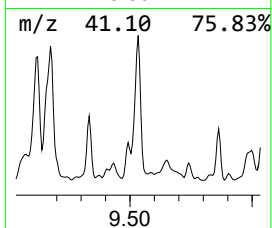
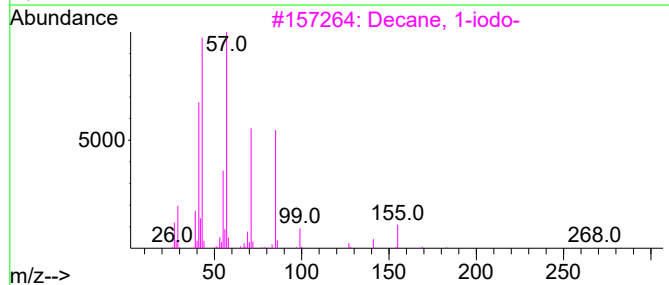
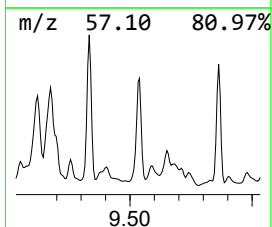
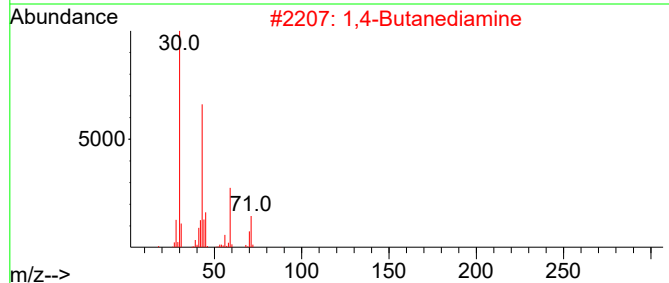
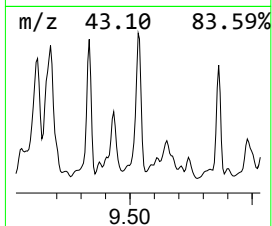
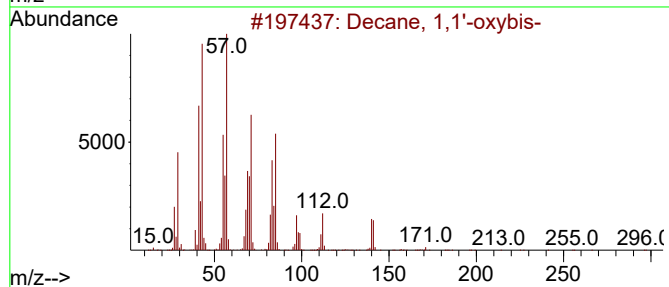
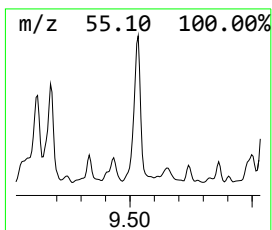
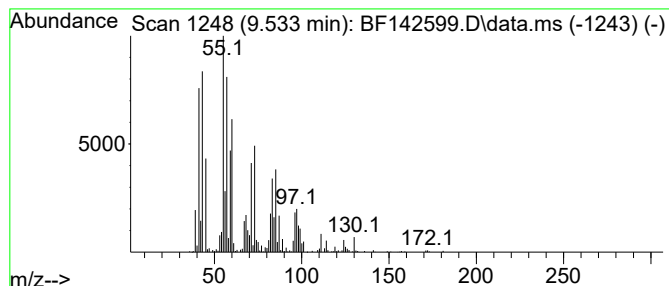
Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown9.533 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD			R.T.
9.533	24.02 ng	1020260	Acenaphthene-d10			9.939
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Decane, 1,1'-oxybis-		298	C20H42O	002456-28-2	30
2	1,4-Butanediamine		88	C4H12N2	000110-60-1	25
3	Decane, 1-iodo-		268	C10H21I	002050-77-3	25
4	Dihydro citronellyl angelate		240	C15H28O2	1000383-65-8	25
5	Oxalic acid, cyclobutyl tetradec...		340	C20H36O4	1000309-70-9	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

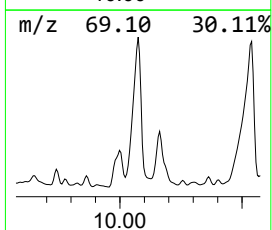
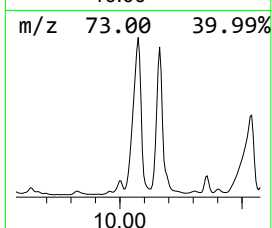
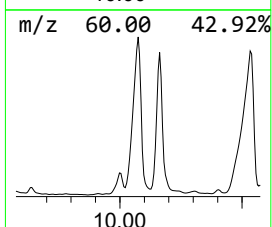
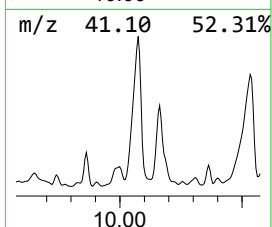
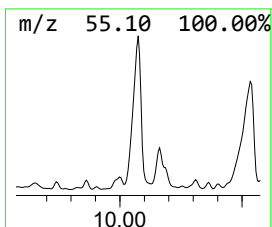
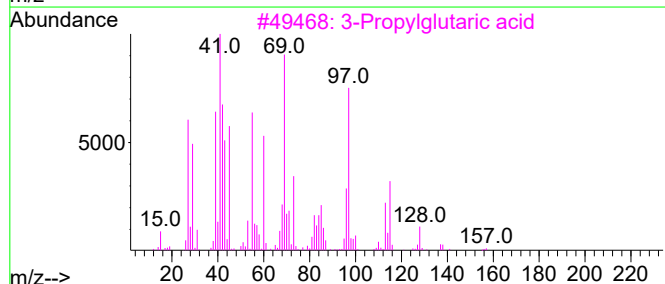
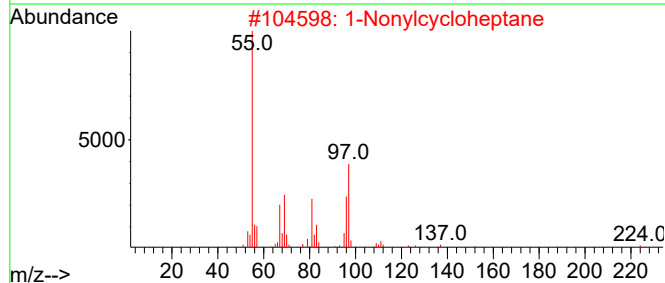
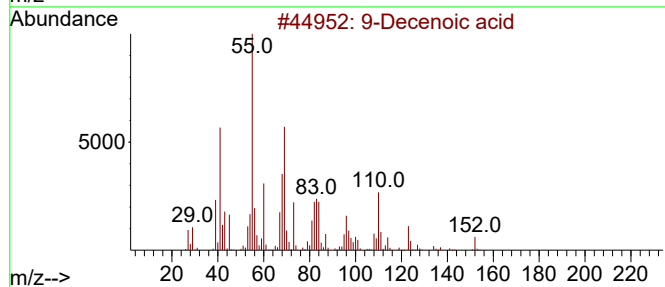
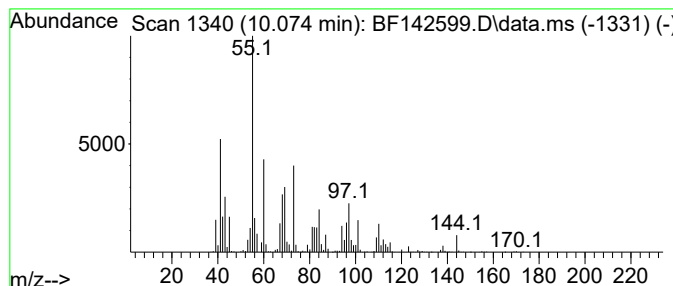
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown10.074 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.074	54.45 ng	2313340	Acenaphthene-d10	9.939

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9-Decenoic acid	170	C10H18O2	014436-32-9	38
2			1-Nonylcycloheptane	224	C16H32	1000371-47-7	14
3			3-Propylglutaric acid	174	C8H14O4	004165-98-4	14
4			Cycloheptane, methyl-	112	C8H16	004126-78-7	12
5			8-Oxabicyclo[5.1.0]octane	112	C7H12O	000286-45-3	11



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

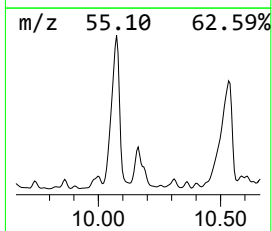
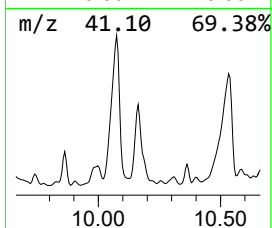
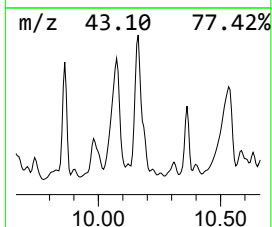
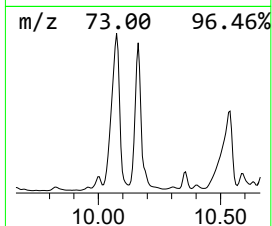
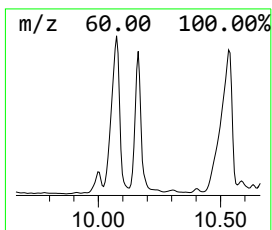
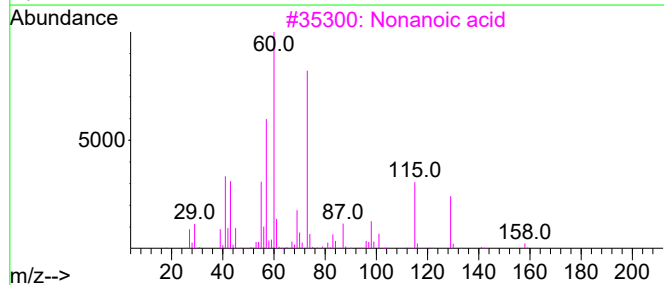
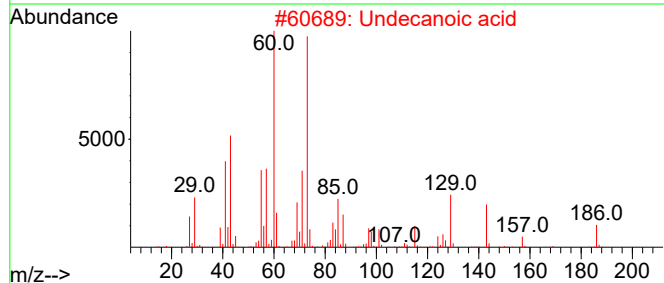
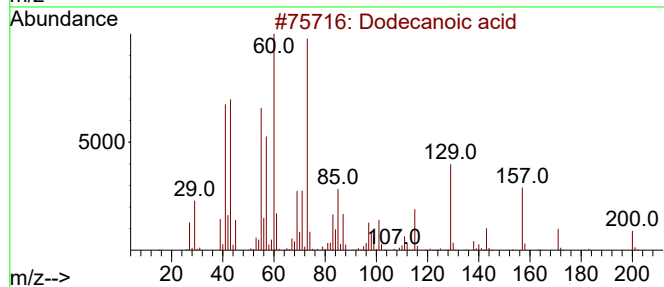
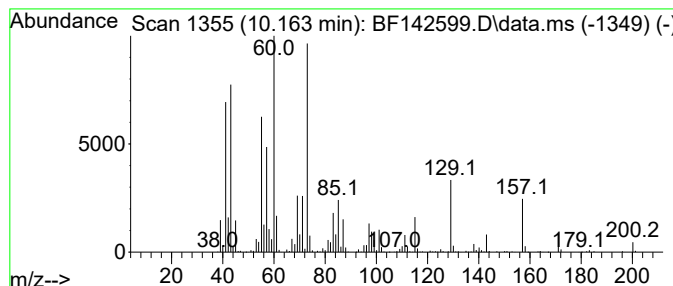
Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dodecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.163	26.63 ng	1131440	Acenaphthene-d10		9.939	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Dodecanoic acid		200	C12H24O2	000143-07-7	97
2	Undecanoic acid		186	C11H22O2	000112-37-8	72
3	Nonanoic acid		158	C9H18O2	000112-05-0	60
4	Octanoic acid		144	C8H16O2	000124-07-2	47
5	Hexanoic acid		116	C6H12O2	000142-62-1	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

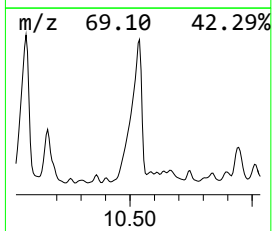
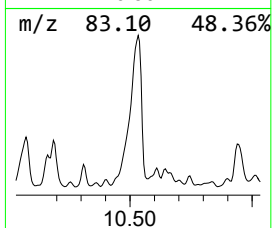
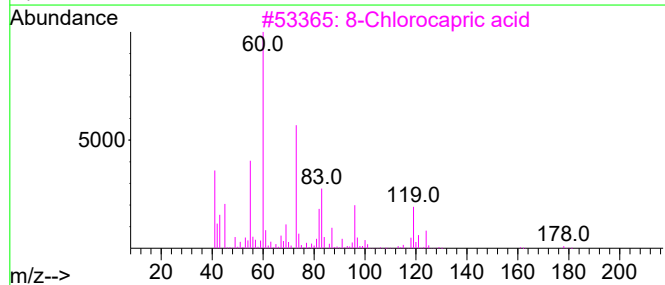
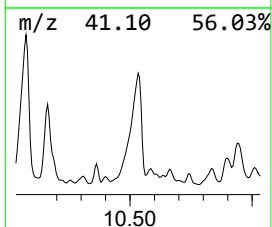
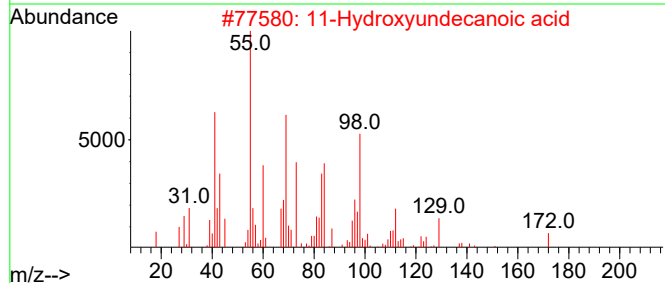
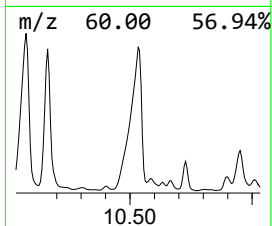
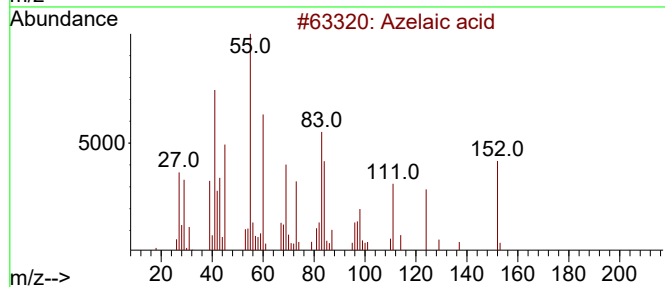
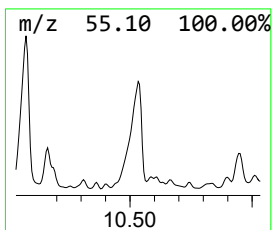
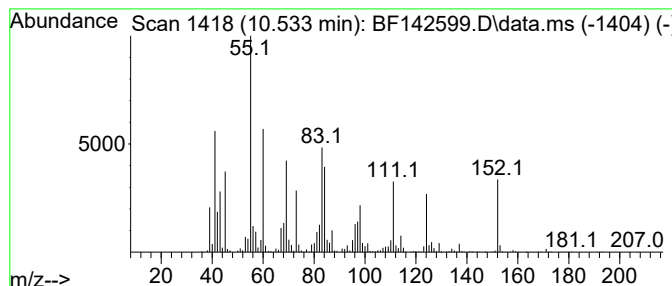
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Azelaic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.533	60.15 ng	2555190	Acenaphthene-d10	9.939

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Azelaic acid	188	C9H16O4	000123-99-9	91
2			11-Hydroxyundecanoic acid	202	C11H22O3	003669-80-5	35
3			8-Chlorocapric acid	178	C8H15ClO2	001795-62-6	22
4			Furan, 2,5-dihydro-3,4-dimethyl-	98	C6H10O	053720-72-2	11
5			2-Pentene, 3,4-dimethyl-	98	C7H14	024910-63-2	11



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

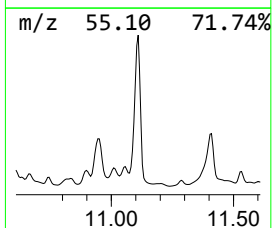
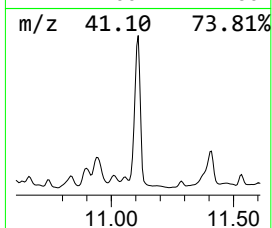
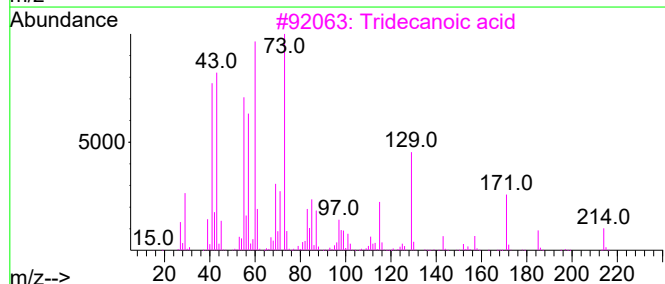
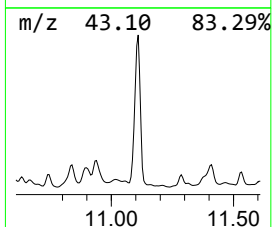
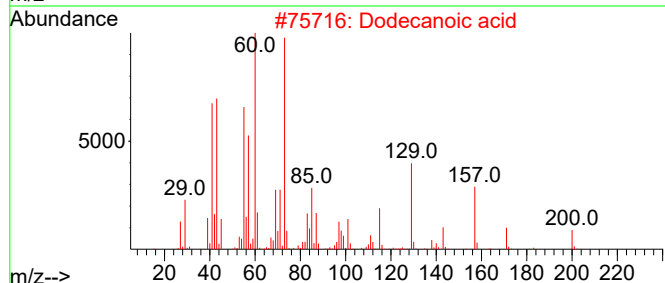
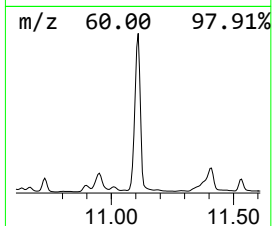
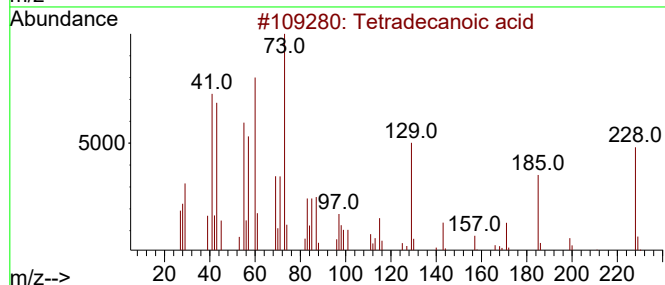
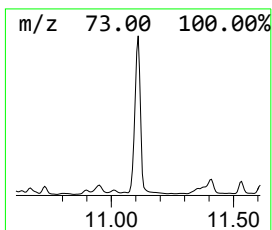
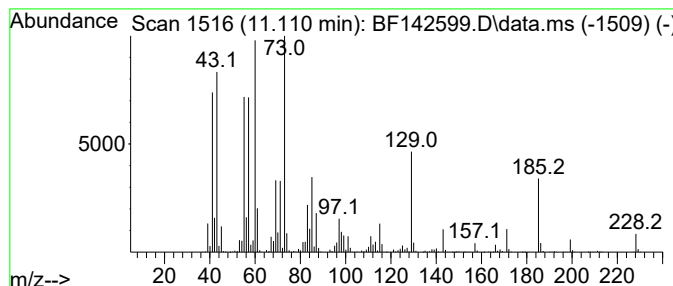
Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Tetradecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.110	31.56 ng	2421600	Phenanthrene-d10	11.427	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	93
2	Dodecanoic acid	200	C12H24O2	000143-07-7	83
3	Tridecanoic acid	214	C13H26O2	000638-53-9	80
4	Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	64
5	Undecanoic acid	186	C11H22O2	000112-37-8	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

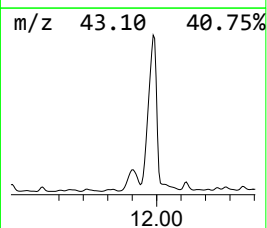
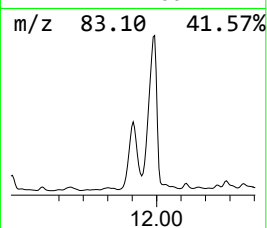
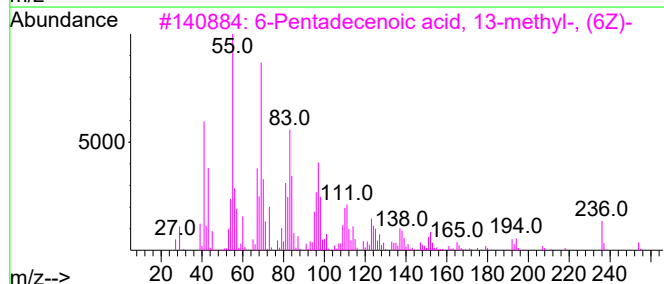
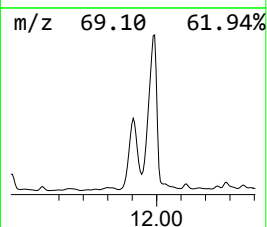
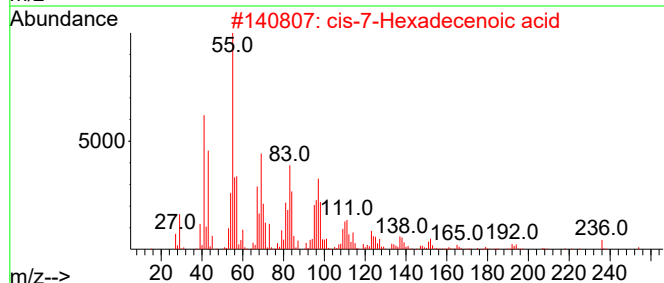
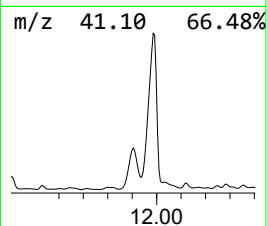
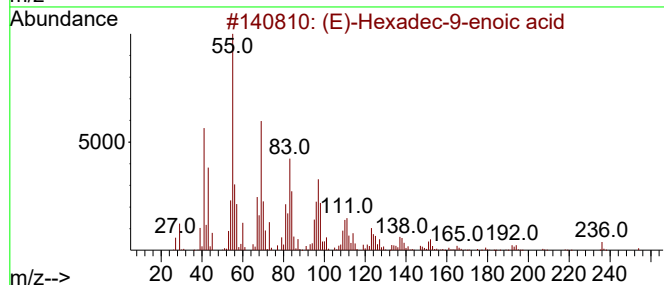
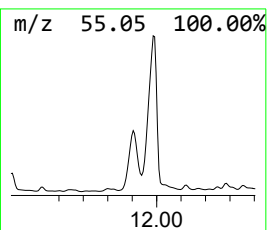
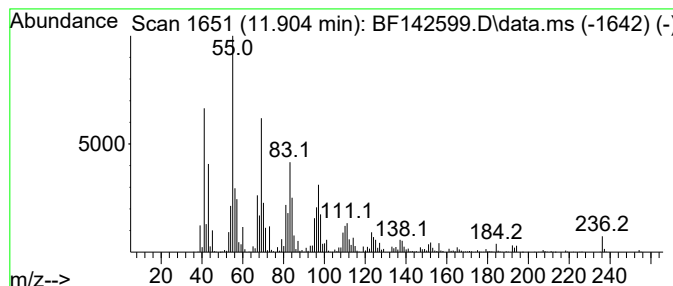
Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 (E)-Hexadec-9-enoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.904	37.66 ng	2890350	Phenanthrene-d10	11.427	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-Hexadec-9-enoic acid	254	C16H30O2	010030-73-6	99
2	cis-7-Hexadecenoic acid	254	C16H30O2	002416-19-5	99
3	6-Pentadecenoic acid, 13-methyl-...	254	C16H30O2	682751-34-4	93
4	Hexadecenoic acid, Z-11-	254	C16H30O2	002416-20-8	92
5	Palmitoleic acid	254	C16H30O2	000373-49-9	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

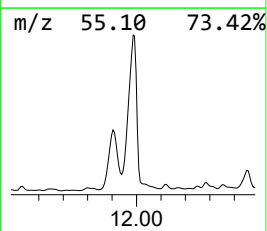
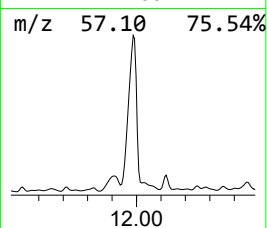
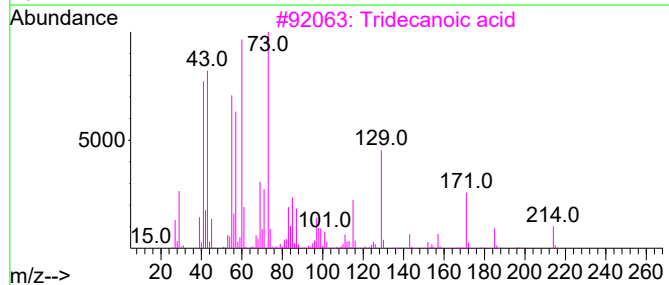
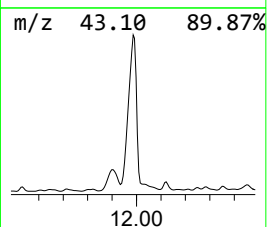
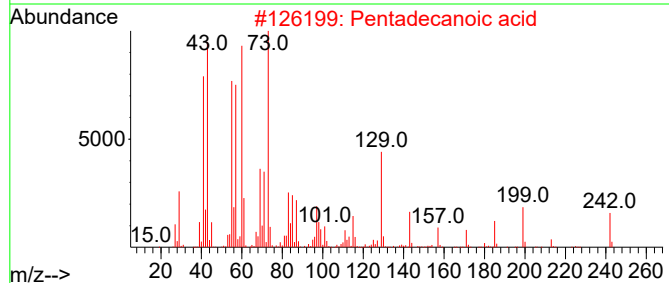
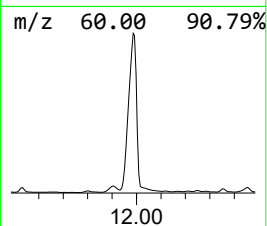
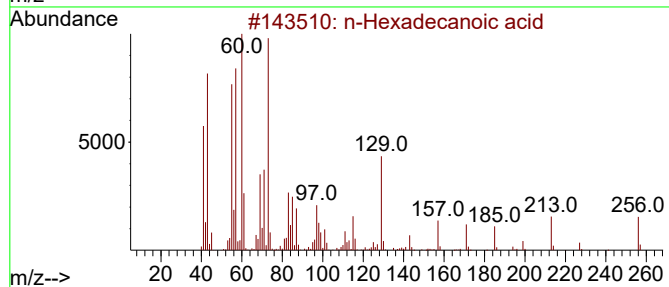
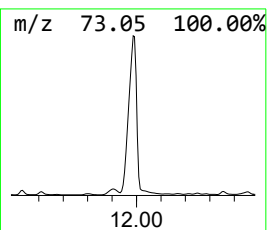
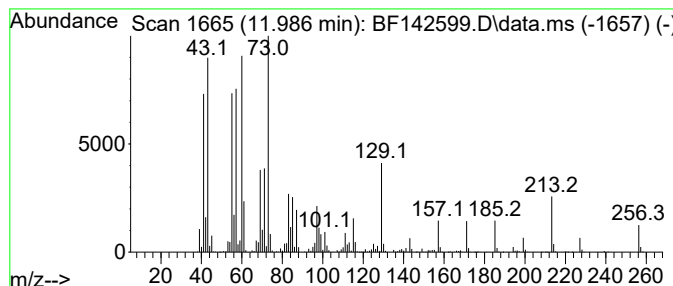
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	122.85 ng	9427380	Phenanthrene-d10	11.427

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	93
3		Tridecanoic acid	214	C13H26O2	000638-53-9	89
4		n-Decanoic acid	172	C10H20O2	000334-48-5	76
5		Undecanoic acid	186	C11H22O2	000112-37-8	68



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

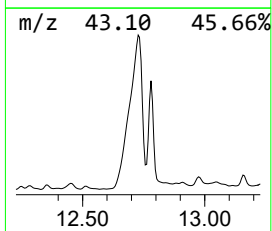
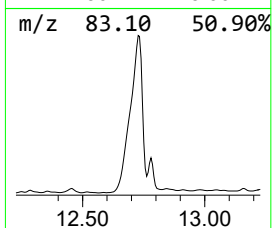
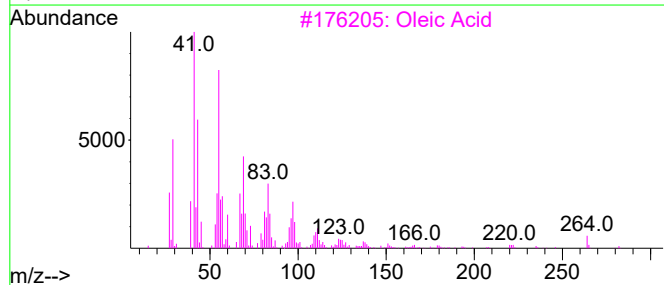
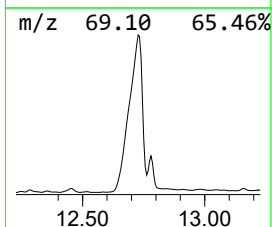
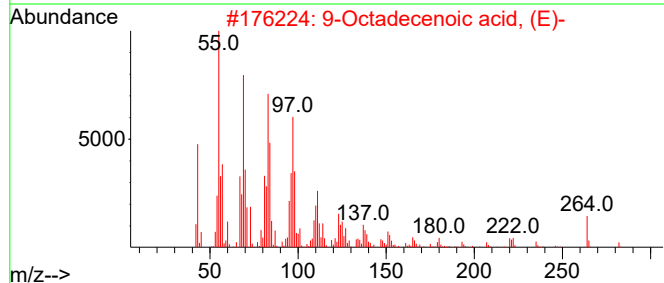
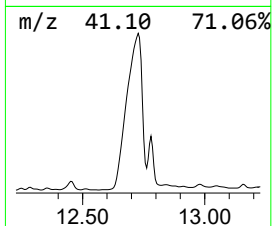
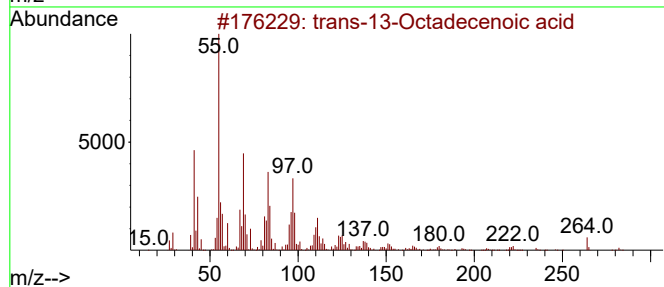
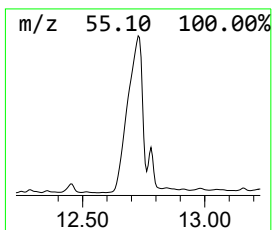
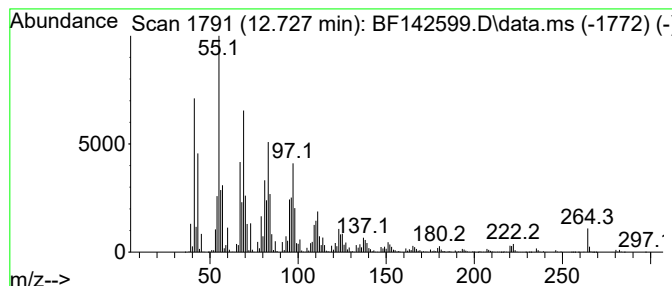
Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 trans-13-Octadecenoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.727	421.13 ng	32317900	Phenanthrene-d10	11.427	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-13-Octadecenoic acid	282	C18H34O2	000693-71-0	91
2	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	87
3	Oleic Acid	282	C18H34O2	000112-80-1	83
4	Palmitoleic acid	254	C16H30O2	000373-49-9	81
5	(E)-Hexadec-9-enoic acid	254	C16H30O2	010030-73-6	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

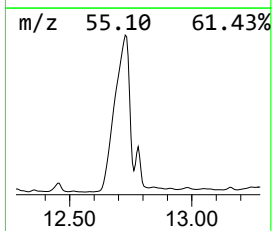
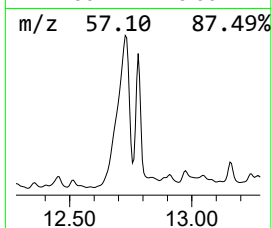
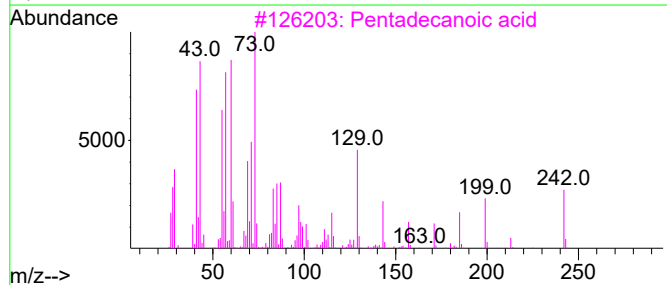
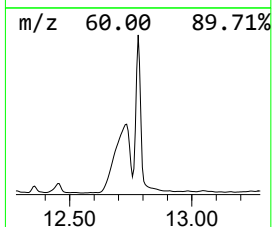
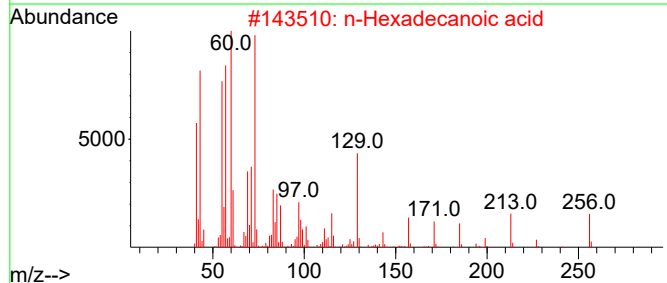
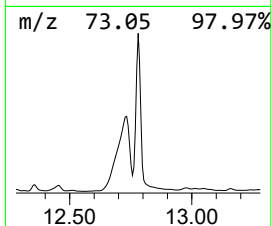
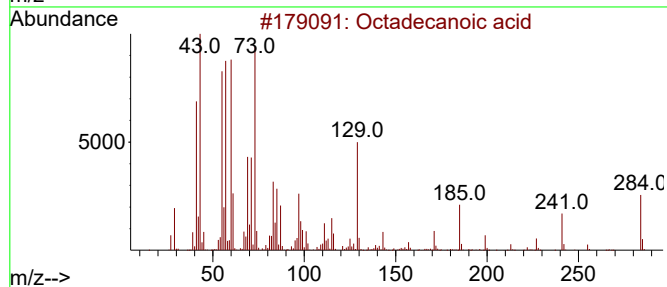
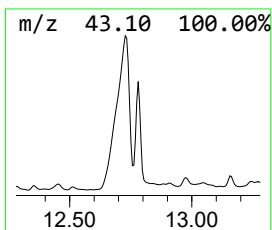
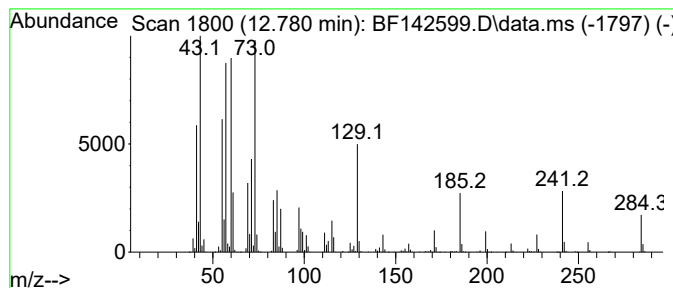
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.780	59.50 ng	3311880	Chrysene-d12	14.074

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	89
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	86
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5			n-Decanoic acid	172	C10H20O2	000334-48-5	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

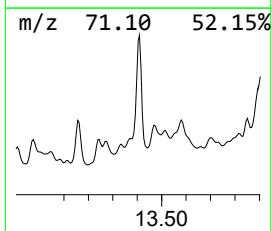
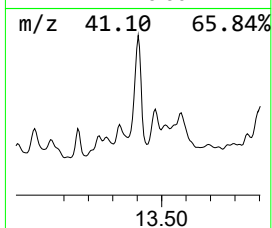
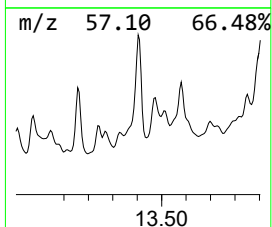
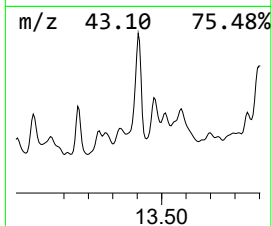
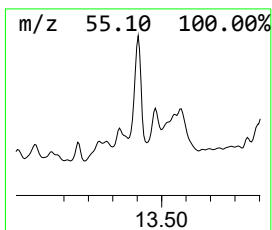
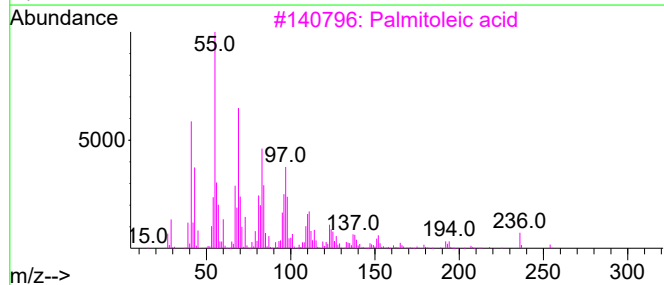
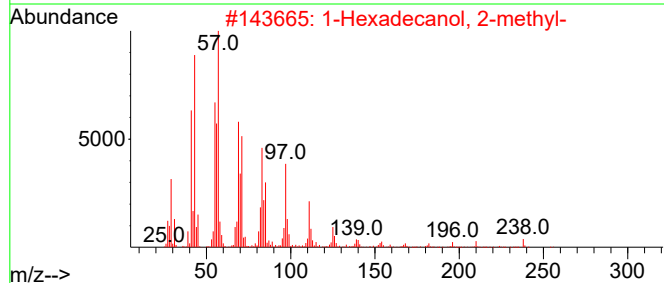
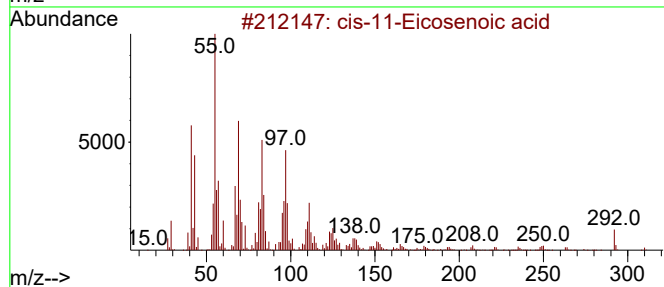
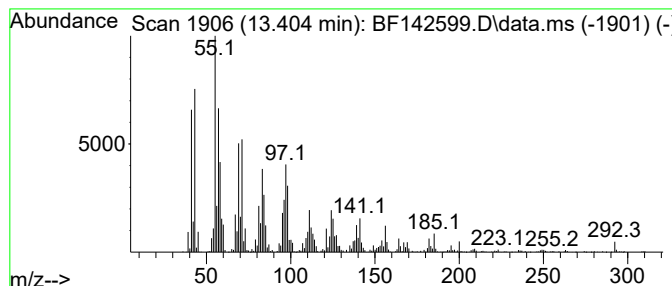
Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 cis-11-Eicosenoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.404	23.80 ng	1324900	Chrysene-d12	14.074	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-11-Eicosenoic acid	310	C20H38O2	005561-99-9	64
2	1-Hexadecanol, 2-methyl-	256	C17H36O	002490-48-4	60
3	Palmitoleic acid	254	C16H30O2	000373-49-9	59
4	(E)-Hexadec-9-enoic acid	254	C16H30O2	010030-73-6	55
5	Cyclododecanone	182	C12H22O	000830-13-7	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

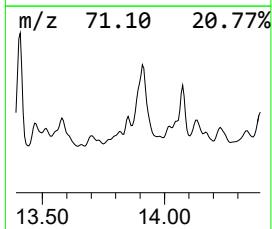
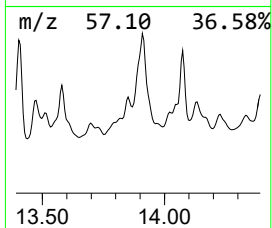
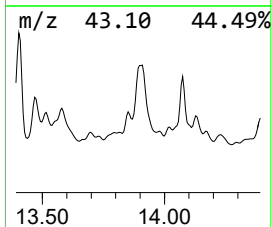
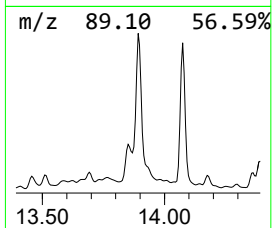
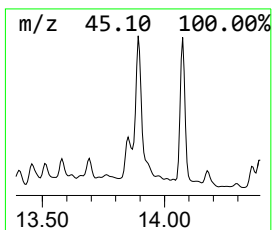
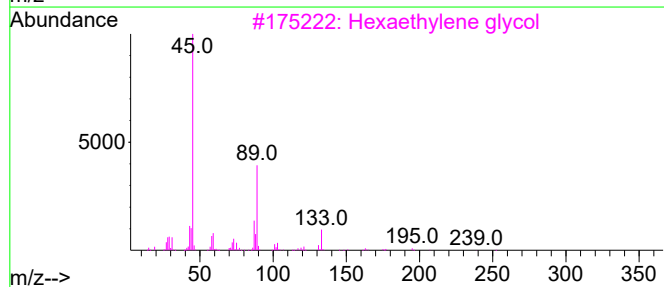
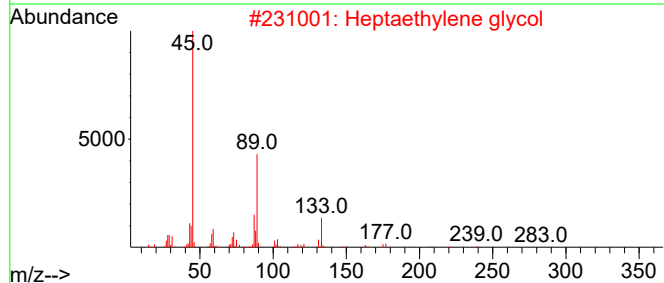
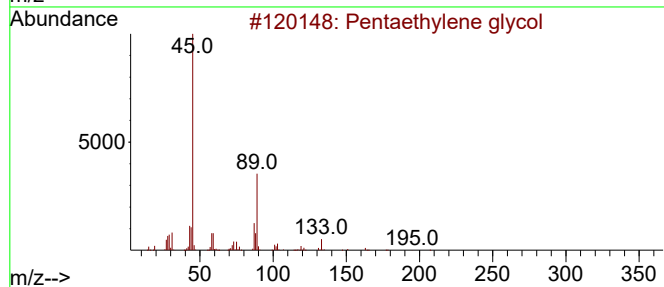
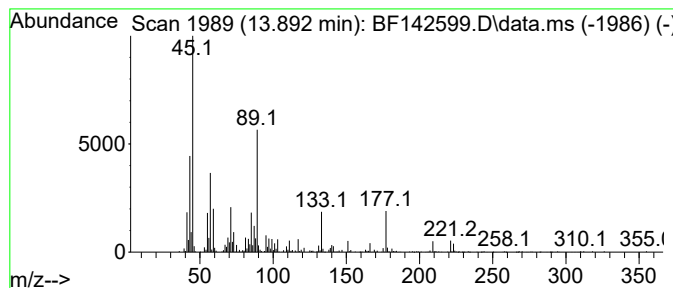
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pentaethylene glycol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	21.16 ng	1177930	Chrysene-d12	14.074

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentaethylene glycol	238	C10H22O6	004792-15-8	50
2			Heptaethylene glycol	326	C14H30O8	005617-32-3	49
3			Hexaethylene glycol	282	C12H26O7	002615-15-8	46
4			Methylpropylsilane	88	C4H12Si	1010427-67-7	38
5			Triethylene glycol	150	C6H14O4	000112-27-6	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

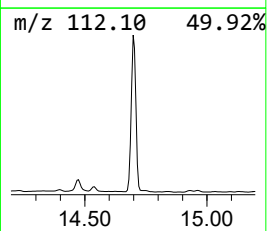
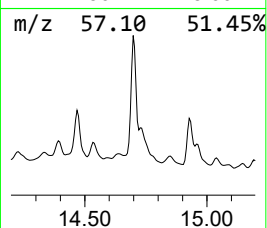
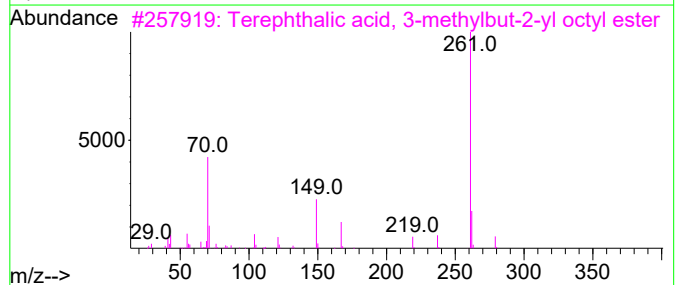
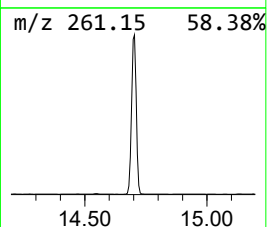
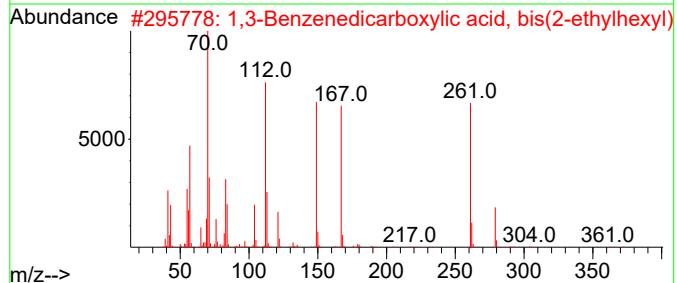
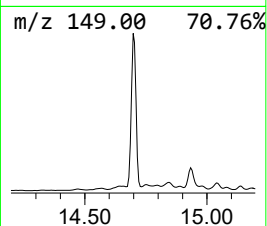
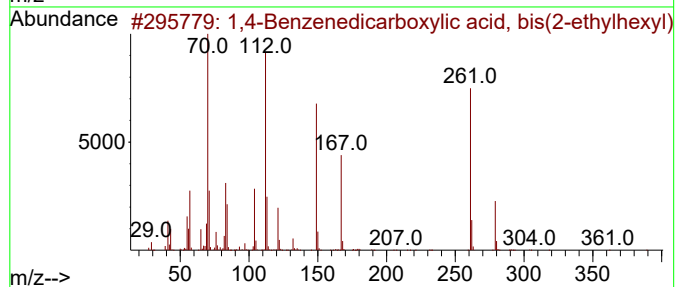
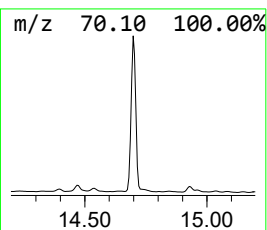
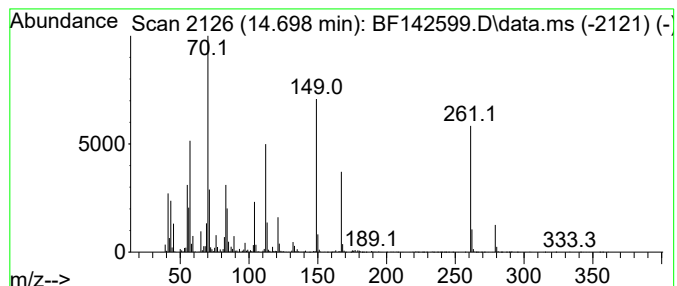
Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1,4-Benzenedicarboxylic aci... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.698	38.23 ng	2128100	Chrysene-d12		14.074	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1,4-Benzenedicarboxylic acid, bi...		390	C24H38O4	006422-86-2	76
2	1,3-Benzenedicarboxylic acid, bi...		390	C24H38O4	000137-89-3	58
3	Terephthalic acid, 3-methylbut-2...		348	C21H32O4	1000356-27-6	49
4	Terephthalic acid, monochloride,...		296	C16H21ClO3	1000324-22-9	47
5	Terephthalic acid, di(4-octyl) e...		390	C24H38O4	1000323-74-2	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
Data File : BF142599.D
Acq On : 02 Jun 2025 16:03
Operator : RC/JU
Sample : Q2149-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FILTER-CAKE

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.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
2-Pentanone, 4-...	5.145	30.8	ng	1089150	1	6.898	706848	20.0
Butanoic acid, ...	5.439	45.9	ng	1623180	1	6.898	706848	20.0
Butanoic acid, ...	5.710	26.7	ng	944970	1	6.898	706848	20.0
Pentanoic acid	6.157	312.5	ng	11043300	1	6.898	706848	20.0
Hexanoic acid	6.786	175.9	ng	6217340	1	6.898	706848	20.0
Benzeneacetic acid	8.522	73.4	ng	4283560	2	8.180	1167190	20.0
n-Decanoic acid	9.122	24.3	ng	1032910	3	9.939	849636	20.0
2(3H)-Furanone,...	9.174	29.3	ng	1246610	3	9.939	849636	20.0
unknown9.533	9.533	24.0	ng	1020260	3	9.939	849636	20.0
unknown10.074	10.074	54.5	ng	2313340	3	9.939	849636	20.0
Dodecanoic acid	10.163	26.6	ng	1131440	3	9.939	849636	20.0
Azelaic acid	10.533	60.1	ng	2555190	3	9.939	849636	20.0
Tetradecanoic acid	11.110	31.6	ng	2421600	4	11.427	1534820	20.0
(E)-Hexadec-9-e...	11.904	37.7	ng	2890350	4	11.427	1534820	20.0
n-Hexadecanoic ...	11.986	122.8	ng	9427380	4	11.427	1534820	20.0
trans-13-Octade...	12.727	421.1	ng	32317900	4	11.427	1534820	20.0
Octadecanoic acid	12.780	59.5	ng	3311880	5	14.074	1113280	20.0
cis-11-Eicoseno...	13.404	23.8	ng	1324900	5	14.074	1113280	20.0
Pentaethylene g...	13.892	21.2	ng	1177930	5	14.074	1113280	20.0
1,4-Benzenedica...	14.698	38.2	ng	2128100	5	14.074	1113280	20.0