

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
 Data File : BF134089.D
 Acq On : 06 Jul 2023 03:56
 Operator : CG\JU
 Sample : 03473-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMC-EME-TOPSOIL-016

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-BF062623.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134089.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.140	4	9	17	rVB	1084709	1452121	58.02%	7.202%
2	2.252	24	28	44	rVB	38121	75296	3.01%	0.373%
3	5.087	506	510	520	rVB	167160	204990	8.19%	1.017%
4	5.481	572	577	580	rBV	2451849	2230514	89.11%	11.063%
5	6.481	742	747	765	rBV	2319318	2373935	94.84%	11.775%
6	6.846	805	809	818	rBV	969419	777462	31.06%	3.856%
7	6.916	818	821	824	rVB	45943	38062	1.52%	0.189%
8	7.251	871	878	884	rBV	31577	43143	1.72%	0.214%
9	7.404	900	904	908	rBV	1536723	1482253	59.22%	7.352%
10	7.904	985	989	997	rBV3	22853	44803	1.79%	0.222%
11	8.122	1023	1026	1030	rBV	1164355	964397	38.53%	4.783%
12	9.204	1206	1210	1213	rBV	2907958	2502976	100.00%	12.415%
13	9.881	1322	1325	1329	rBV	1147391	949753	37.94%	4.711%
14	10.598	1443	1447	1454	rBV	281546	234633	9.37%	1.164%
15	10.675	1456	1460	1470	rBV	1439775	1250427	49.96%	6.202%
16	10.910	1497	1500	1504	rBV	43007	39215	1.57%	0.195%
17	11.375	1576	1579	1583	rBV	1073025	925613	36.98%	4.591%
18	11.428	1586	1588	1593	rVV	46868	44942	1.80%	0.223%
19	11.480	1593	1597	1604	rVB	34808	35064	1.40%	0.174%
20	11.904	1666	1669	1674	rBV2	43959	53690	2.15%	0.266%
21	12.810	1817	1823	1825	rBV3	25207	33707	1.35%	0.167%
22	12.975	1846	1851	1854	rBV	2095618	1826032	72.95%	9.057%
23	13.204	1887	1890	1894	rBV	57203	51160	2.04%	0.254%
24	13.551	1944	1949	1952	rBV2	73241	74219	2.97%	0.368%
25	13.886	1992	2006	2022	rVB4	172298	513524	20.52%	2.547%
26	14.039	2028	2032	2040	rVB	705373	688987	27.53%	3.417%
27	14.198	2056	2059	2063	rBV	93148	90740	3.63%	0.450%
28	14.510	2108	2112	2115	rBV	106763	100691	4.02%	0.499%
29	14.821	2162	2165	2170	rVB	87002	85970	3.43%	0.426%
30	14.898	2174	2178	2183	rVB	80403	87334	3.49%	0.433%
31	15.174	2221	2225	2229	rBV	116963	137487	5.49%	0.682%
32	15.539	2282	2287	2291	rBV	395547	535476	21.39%	2.656%
33	15.821	2332	2335	2342	rVB4	24992	40527	1.62%	0.201%
34	16.033	2367	2371	2376	rBV	61424	93870	3.75%	0.466%
35	17.751	2658	2663	2668	rBV9	30537	78520	3.14%	0.389%

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Misc :
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ClientSampleId :
CMC-EME-TOPSOIL-016

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-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

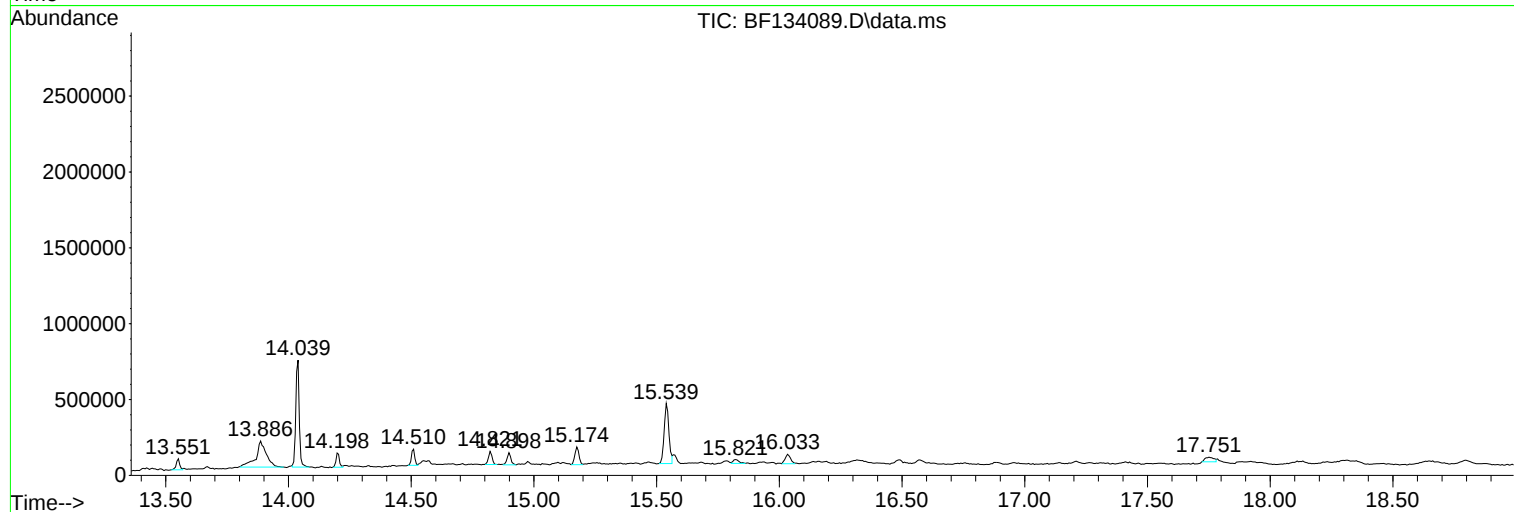
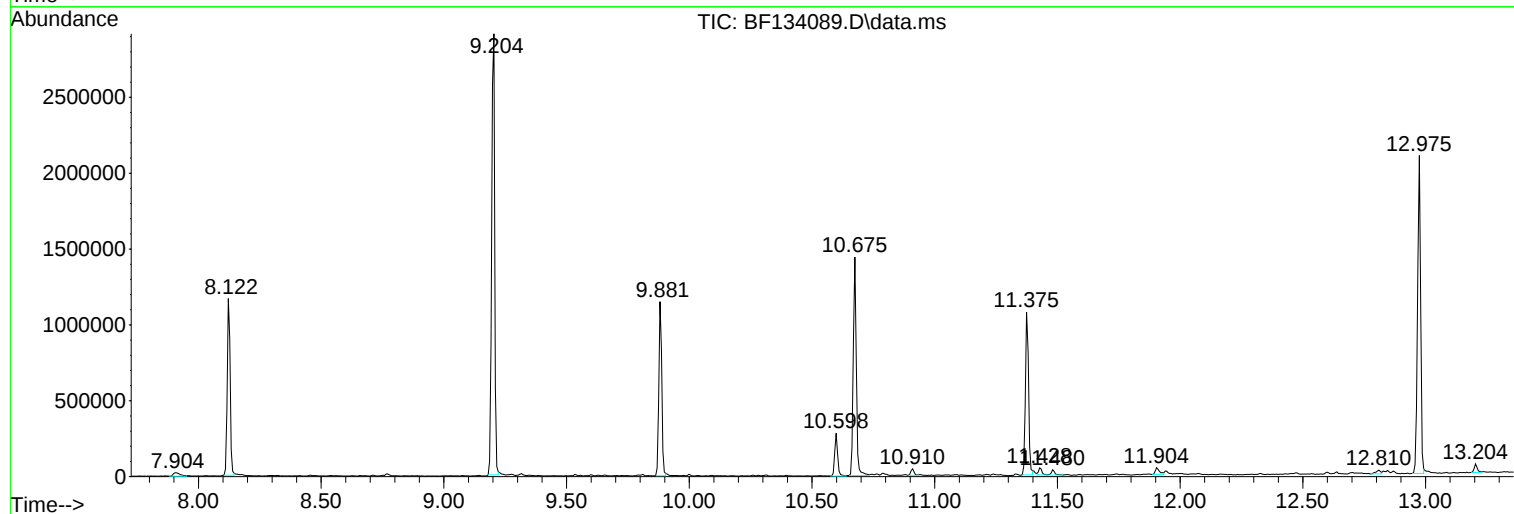
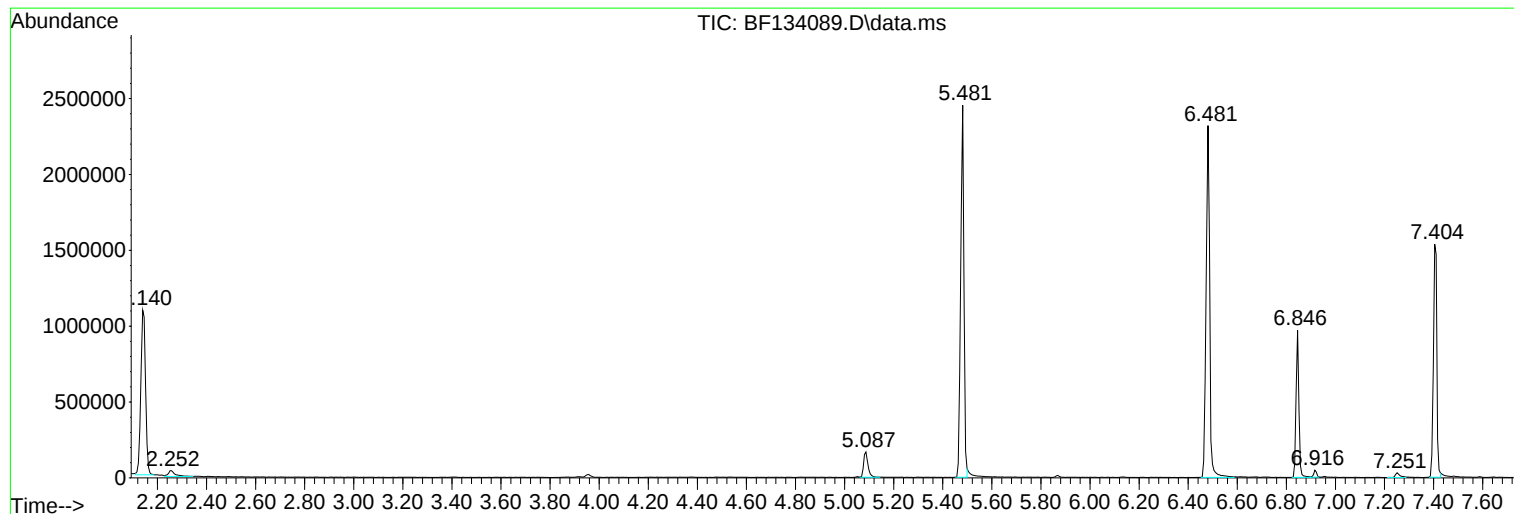
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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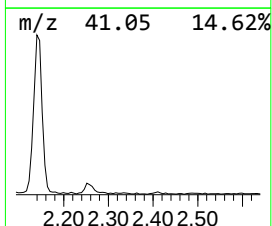
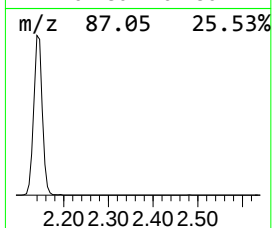
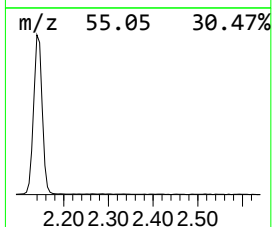
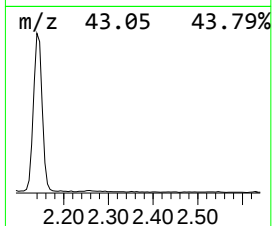
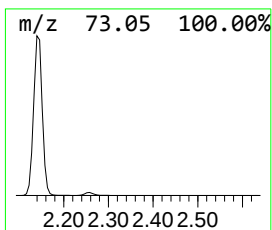
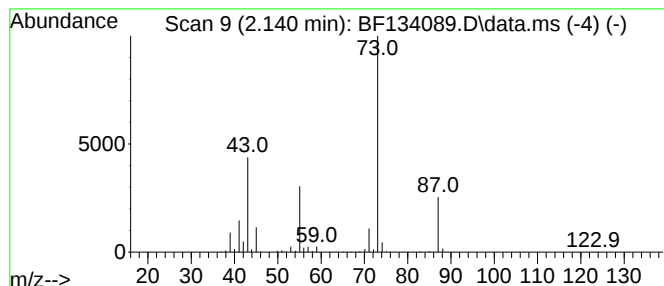
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.140	37.36 ng	1452120	1,4-Dichlorobenzene-d4	6.846

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	39
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5			Silane, tetramethyl-	88	C4H12Si	000075-76-3	12



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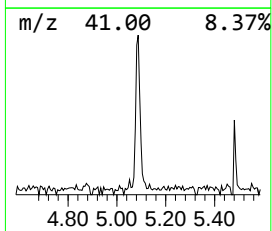
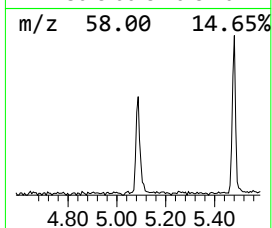
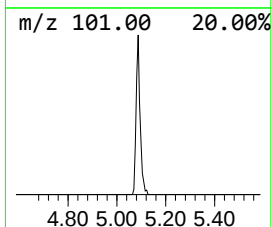
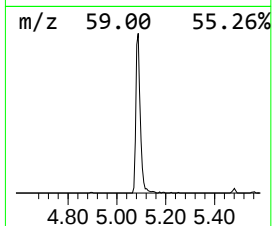
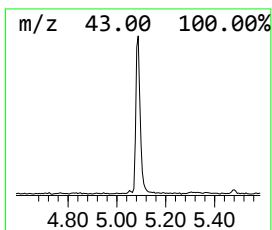
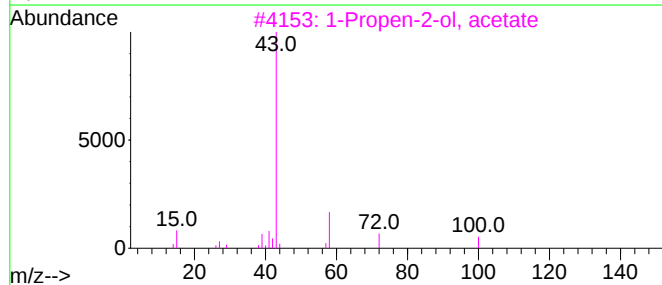
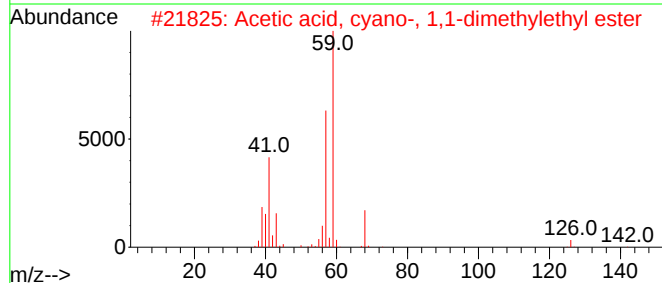
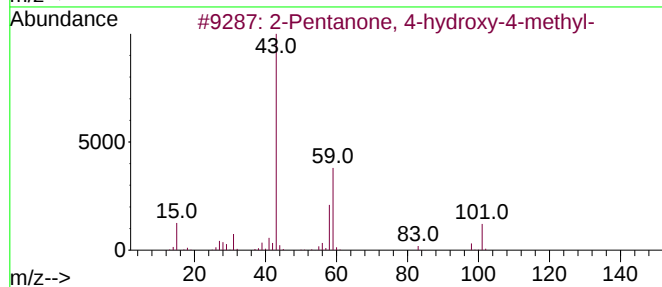
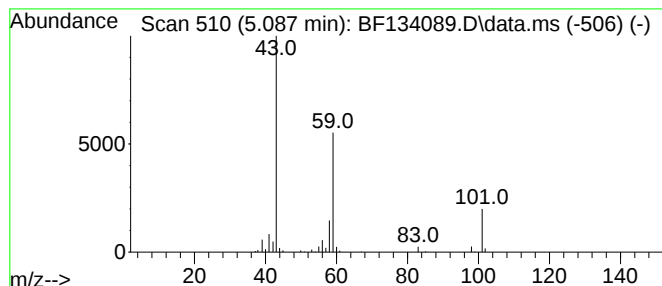
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	5.27 ng	204990	1,4-Dichlorobenzene-d4	6.846

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



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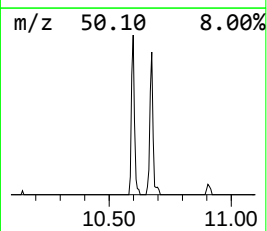
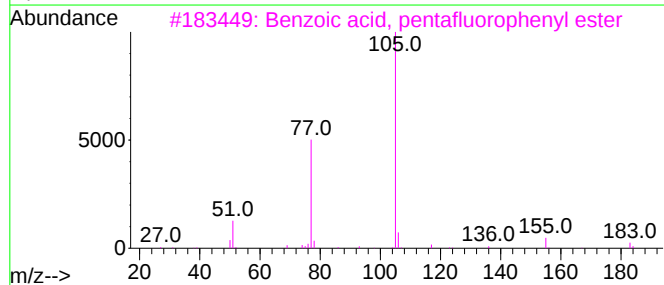
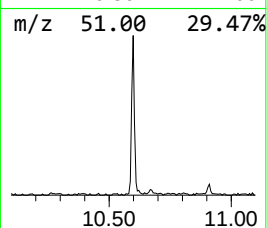
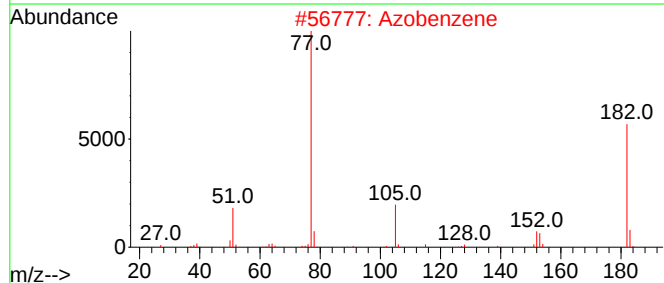
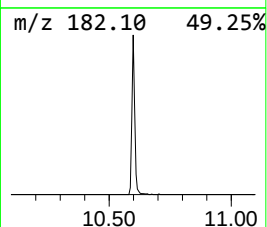
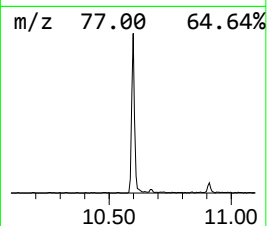
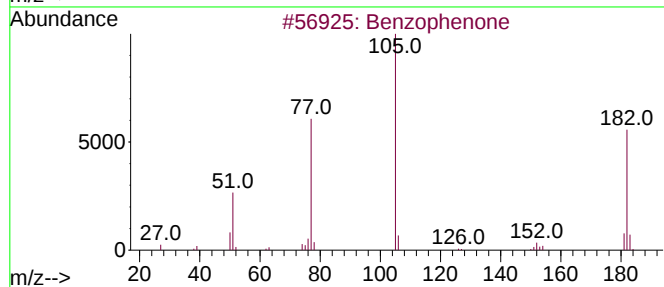
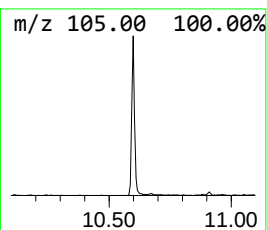
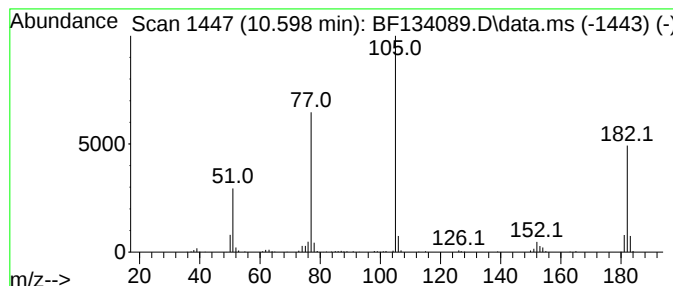
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TIC Library : C:\Database\NIST20.L
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Peak Number 3 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.598	4.94 ng	234633	Acenaphthene-d10	9.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			Azobenzene	182	C12H10N2	000103-33-3	64
3			Benzoic acid, pentafluorophenyl ...	288	C13H5F5O2	1000360-67-9	50
4			Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	50
5			Azobenzene, (E)-	182	C12H10N2	017082-12-1	50



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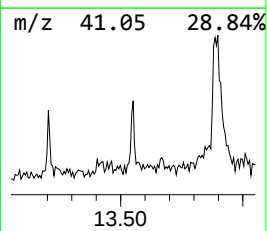
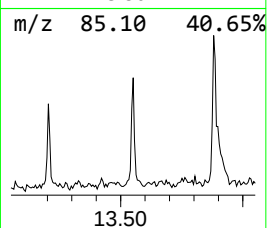
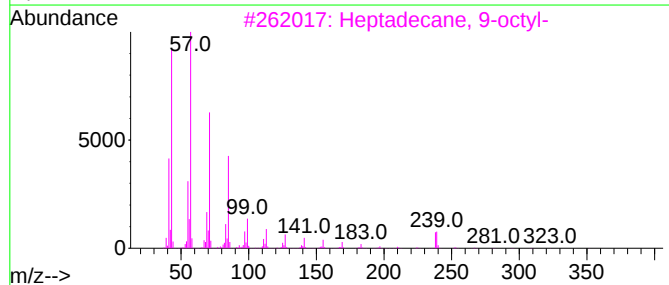
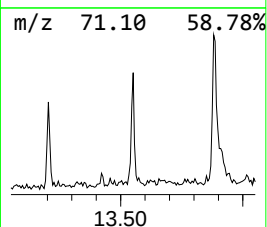
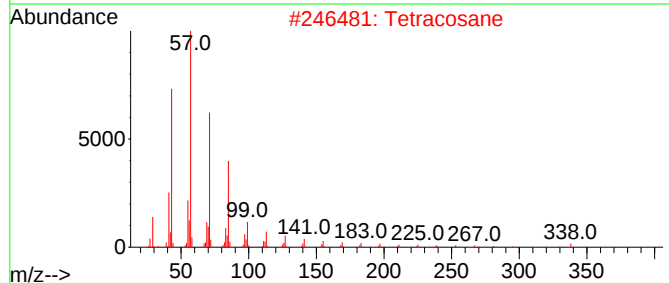
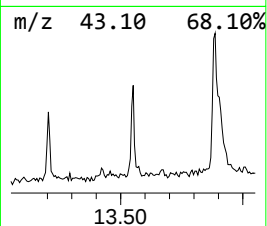
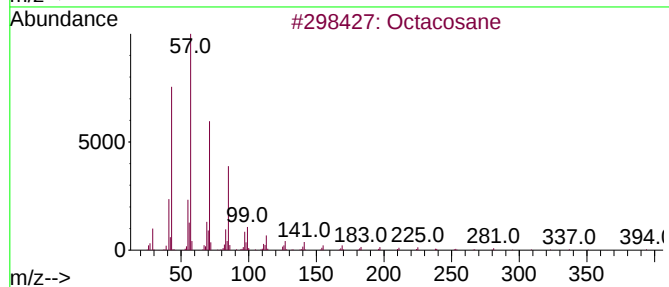
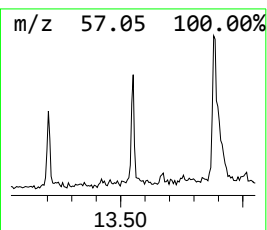
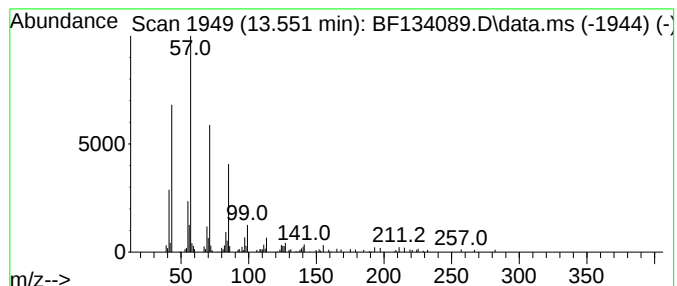
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TIC Library : C:\Database\NIST20.L
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Peak Number 4 Octacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.551	2.15 ng	74219	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octacosane	394	C28H58	000630-02-4	91
2			Tetracosane	338	C24H50	000646-31-1	91
3			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
5			Docosane	310	C22H46	000629-97-0	91



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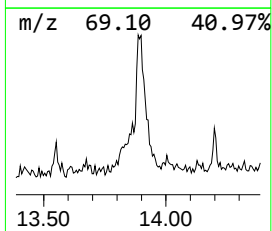
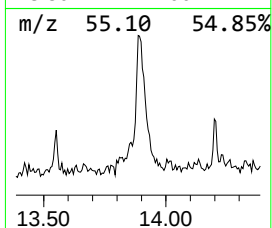
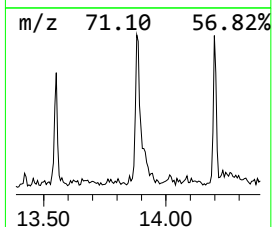
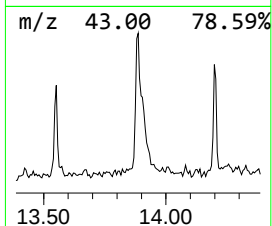
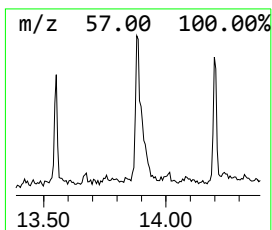
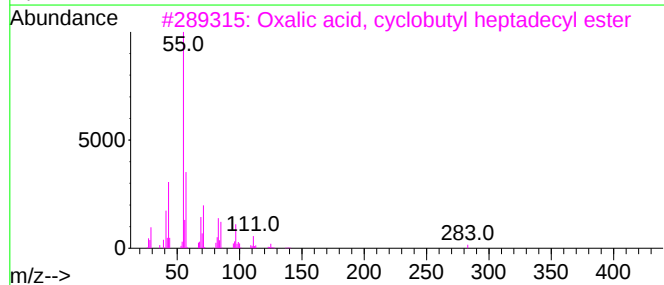
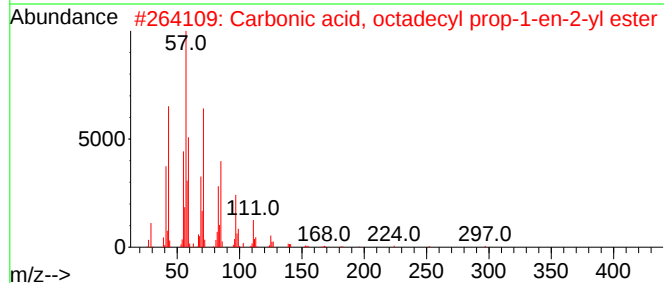
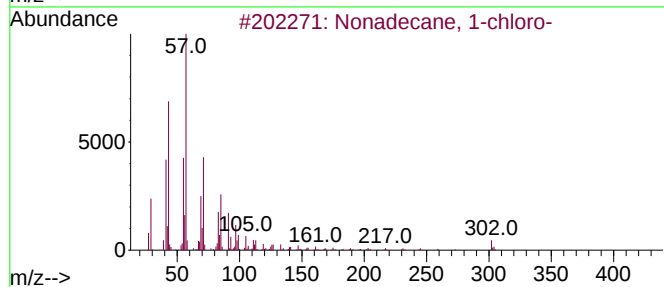
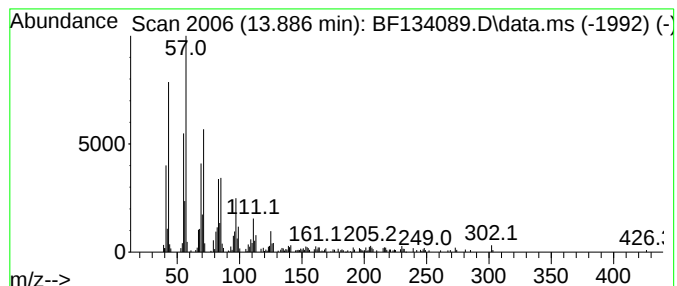
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Peak Number 5 Nonadecane, 1-chloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.886	14.91 ng	513524	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane, 1-chloro-	302	C19H39Cl	062016-76-6	94
2			Carbonic acid, octadecyl prop-1-...	354	C22H42O3	1000383-11-5	91
3			Oxalic acid, cyclobutyl heptadec...	382	C23H42O4	1000309-70-7	91
4			Oxalic acid, cyclobutyl pentadec...	354	C21H38O4	1010309-70-5	91
5			Cyclohexadecane	224	C16H32	000295-65-8	89



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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-016

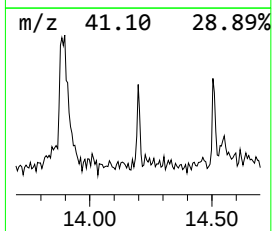
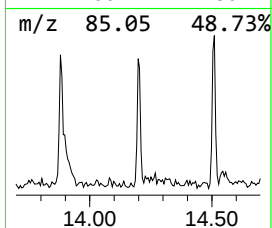
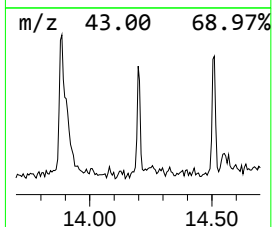
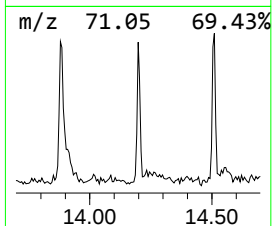
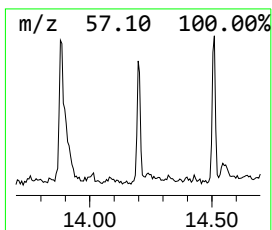
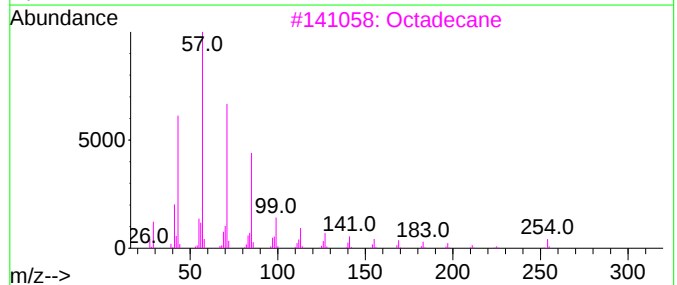
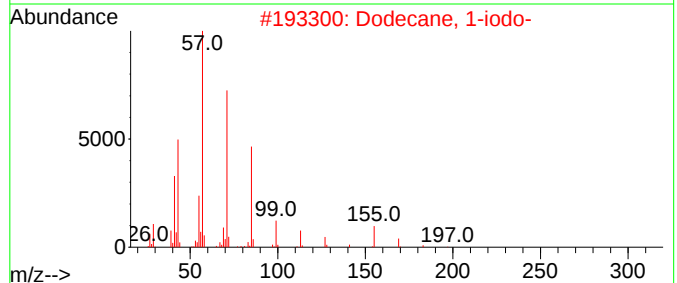
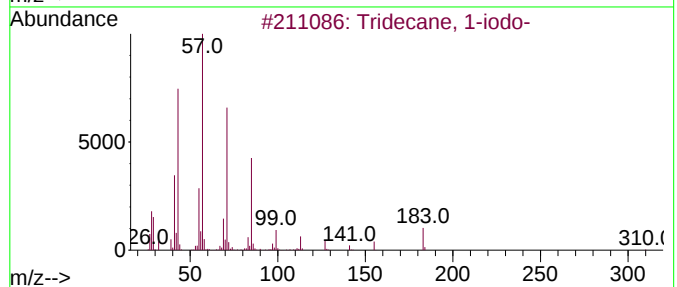
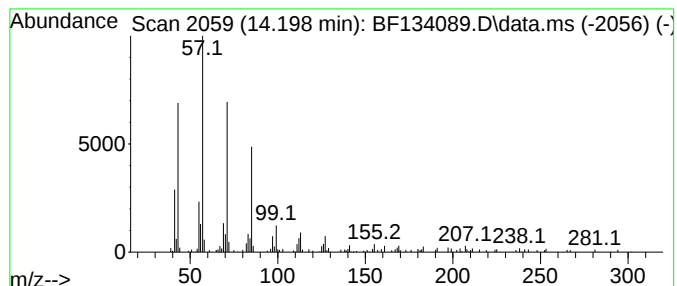
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tridecane, 1-iodo- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.198	2.63 ng	90740	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	87
2			Dodecane, 1-iodo-	296	C12H25I	004292-19-7	87
3			Octadecane	254	C18H38	000593-45-3	87
4			Pentacosane	352	C25H52	000629-99-2	87
5			Nonadecane	268	C19H40	000629-92-5	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
Data File : BF134089.D
Acq On : 06 Jul 2023 03:56
Operator : CG\JU
Sample : 03473-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-016

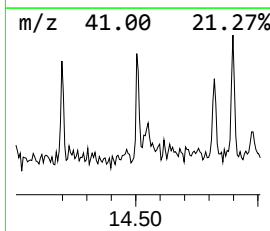
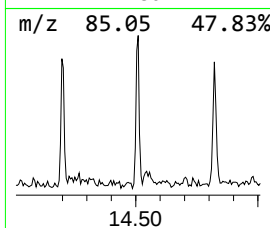
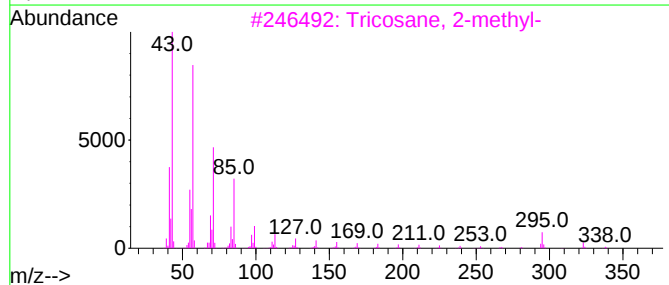
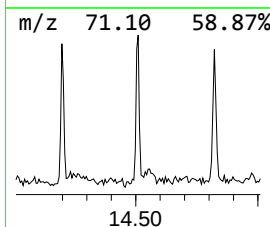
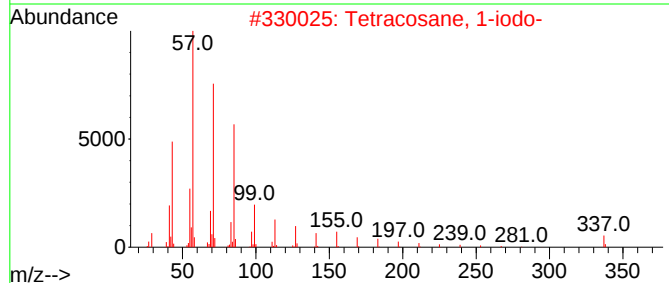
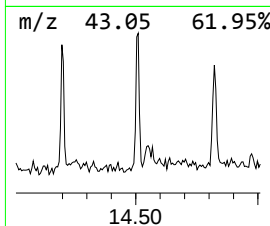
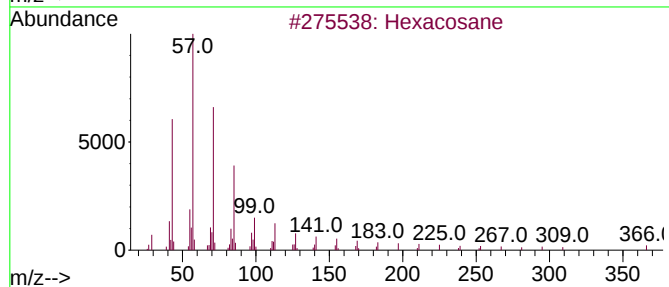
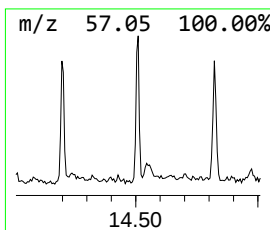
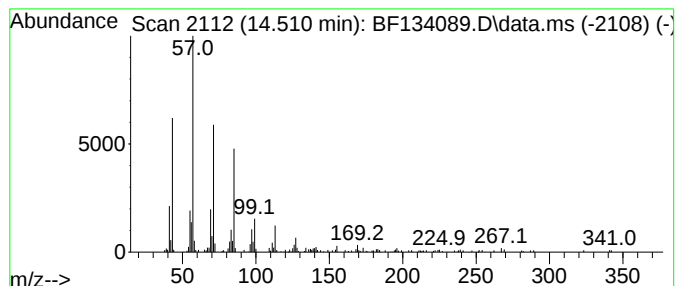
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.510	2.92 ng	100691	Chrysene-d12	14.039

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexacosane	366	C26H54	000630-01-3	90
2			Tetracosane, 1-iodo-	464	C24H49I	1000406-32-0	90
3			Tricosane, 2-methyl-	338	C24H50	001928-30-9	86
4			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	74
5			Pentacosane	352	C25H52	000629-99-2	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
Data File : BF134089.D
Acq On : 06 Jul 2023 03:56
Operator : CG\JU
Sample : 03473-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CMC-EME-TOPSOIL-016

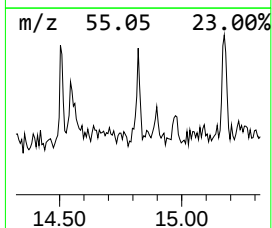
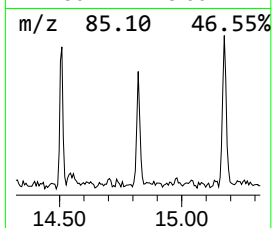
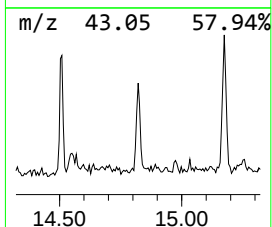
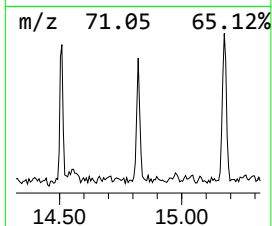
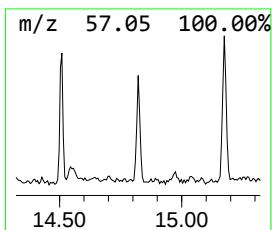
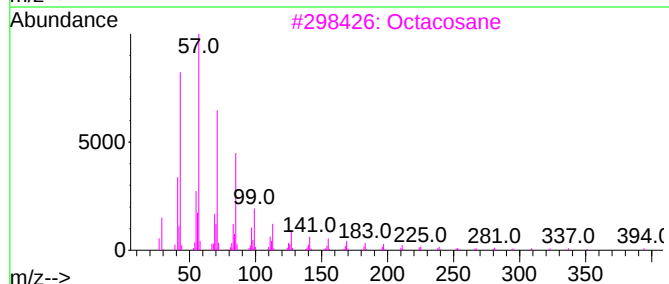
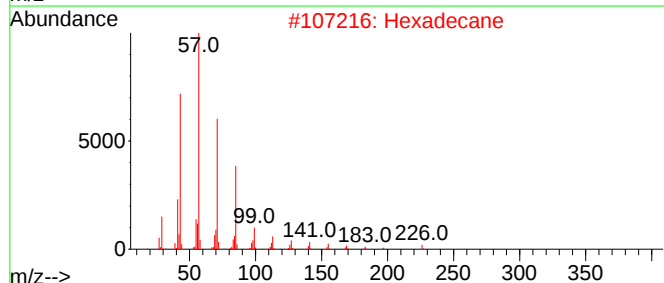
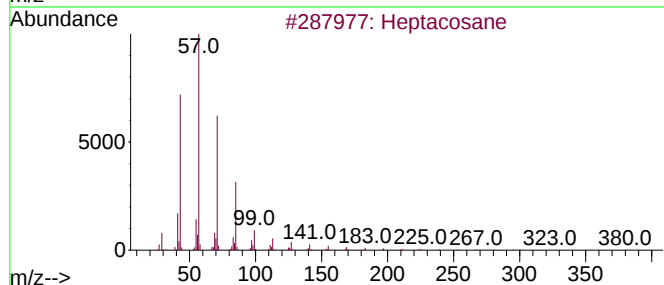
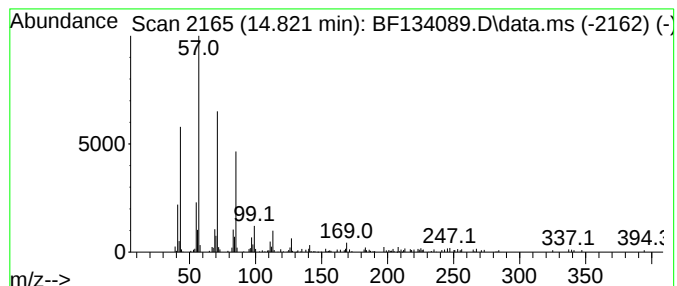
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heptacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.822	3.21 ng	85970	Perylene-d12	15.539

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptacosane	380	C27H56	000593-49-7	90
2			Hexadecane	226	C16H34	000544-76-3	90
3			Octacosane	394	C28H58	000630-02-4	87
4			Docosane	310	C22H46	000629-97-0	87
5			Eicosane	282	C20H42	000112-95-8	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
Data File : BF134089.D
Acq On : 06 Jul 2023 03:56
Operator : CG\JU
Sample : 03473-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

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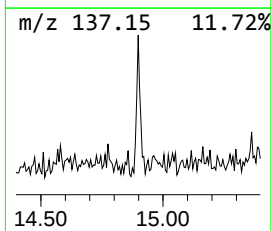
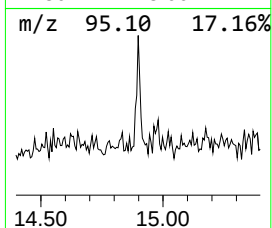
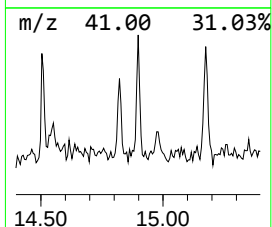
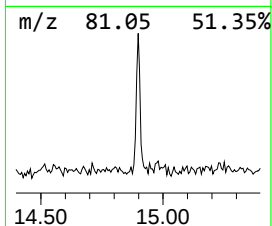
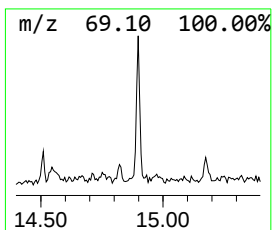
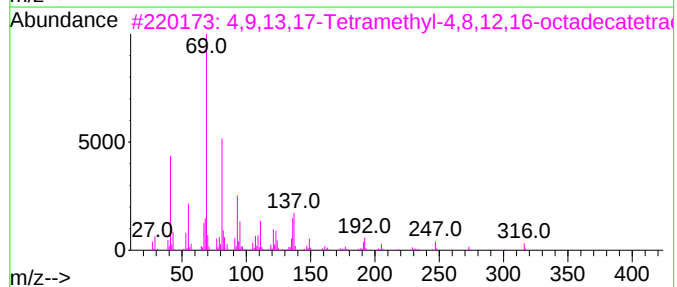
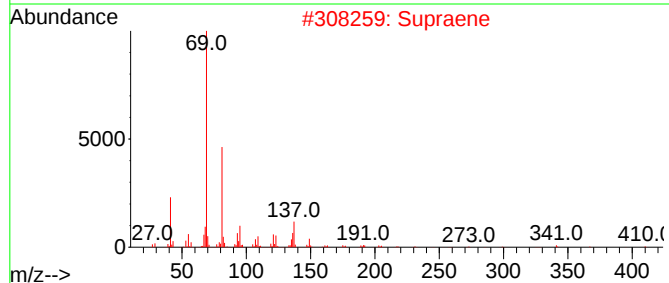
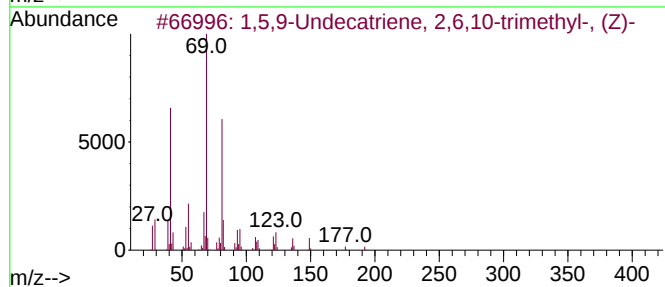
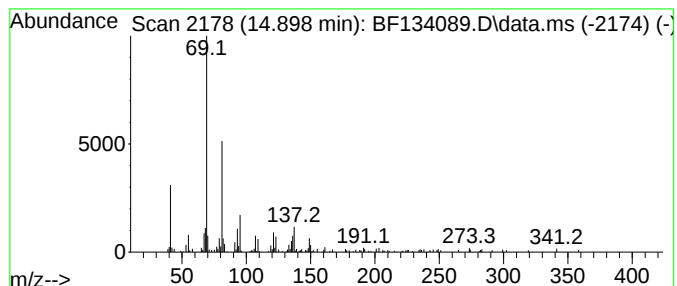
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1,5,9-Undecatriene, 2,6,10-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.898	3.26 ng	87334	Perylene-d12	15.539

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24		062951-96-6	81
2	Supraene	410	C30H50		007683-64-9	80
3	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O		056882-09-8	78
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O		125529-10-4	72
5	trans-Farnesol	222	C15H26O		000106-28-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
Data File : BF134089.D
Acq On : 06 Jul 2023 03:56
Operator : CG\JU
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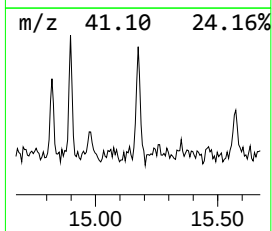
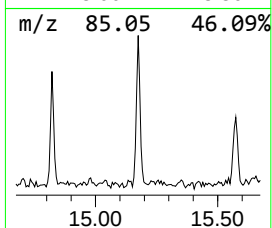
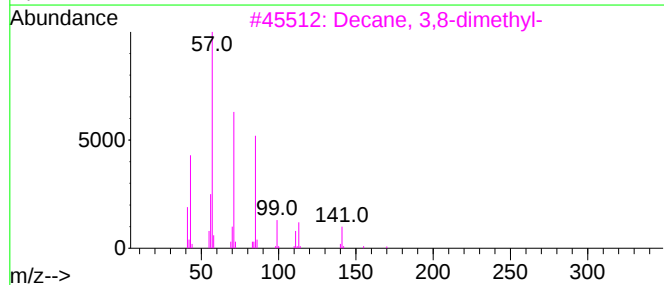
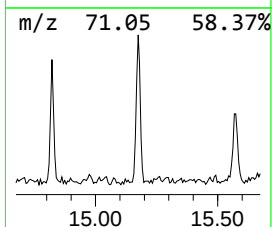
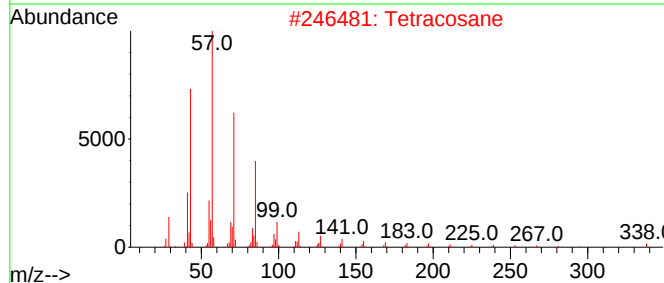
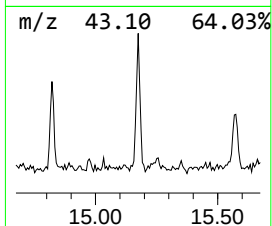
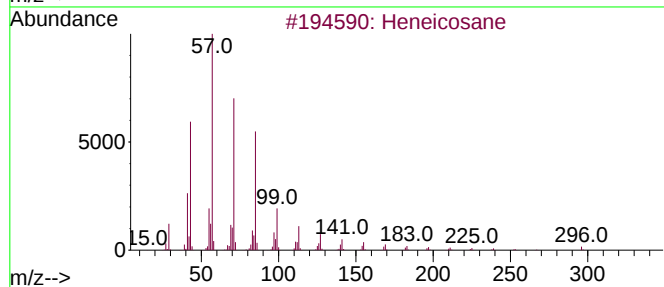
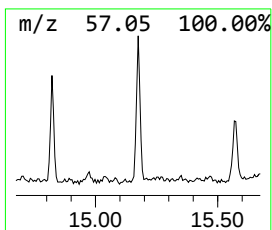
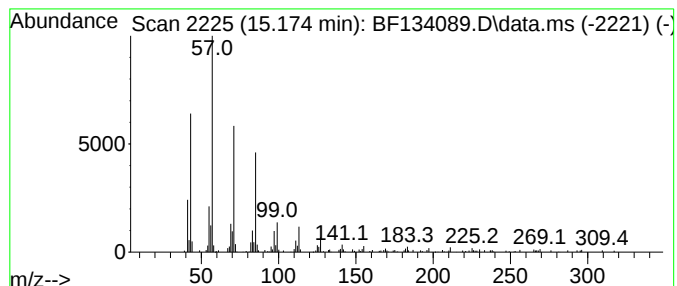
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heneicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	5.14 ng	137487	Perylene-d12	15.539

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heneicosane	296	C21H44	000629-94-7	98
2		Tetracosane	338	C24H50	000646-31-1	90
3		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87
4		Hexacosane	366	C26H54	000630-01-3	87
5		Octacosane	394	C28H58	000630-02-4	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
Data File : BF134089.D
Acq On : 06 Jul 2023 03:56
Operator : CG\JU
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ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId :
CMC-EME-TOPSOIL-016

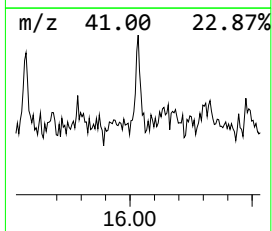
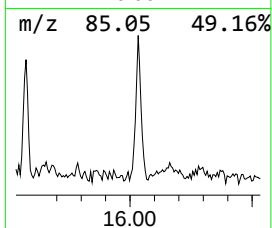
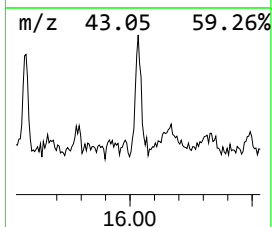
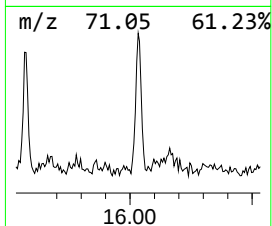
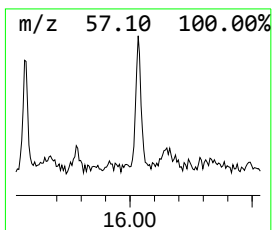
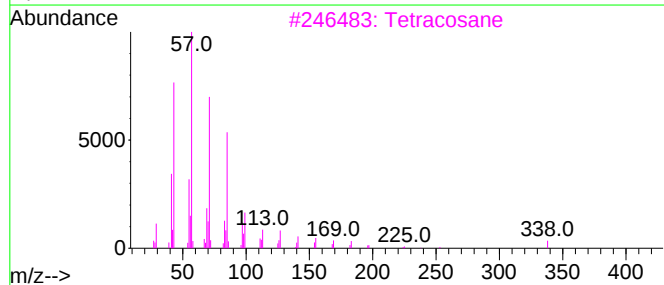
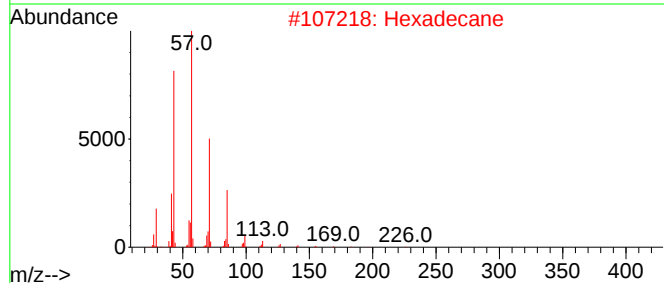
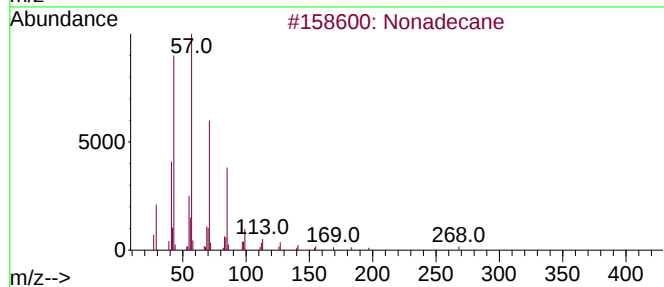
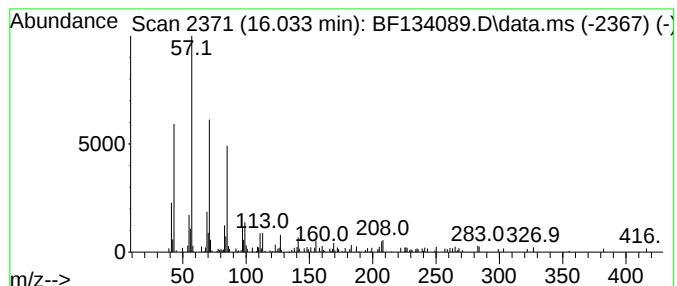
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Nonadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.033	3.51 ng	93870	Perylene-d12	15.539

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	94
2			Hexadecane	226	C16H34	000544-76-3	93
3			Tetracosane	338	C24H50	000646-31-1	87
4			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	83
5			Heneicosane	296	C21H44	000629-94-7	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
Data File : BF134089.D
Acq On : 06 Jul 2023 03:56
Operator : CG\JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId :
CMC-EME-TOPSOIL-016

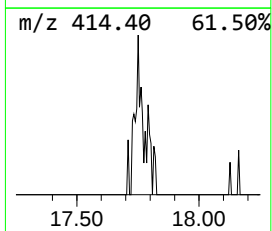
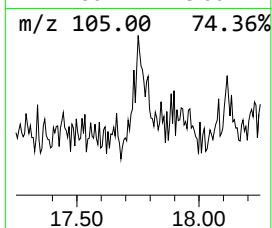
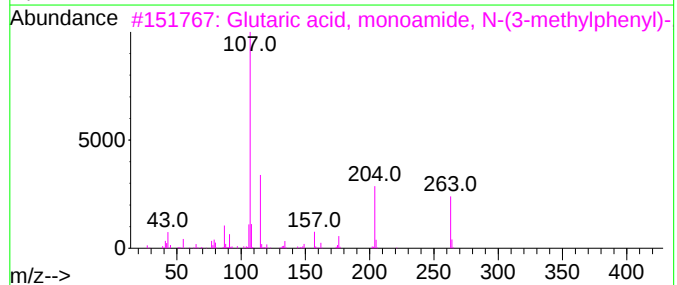
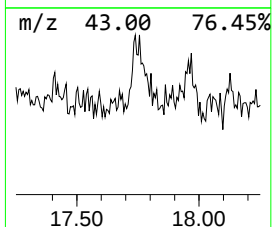
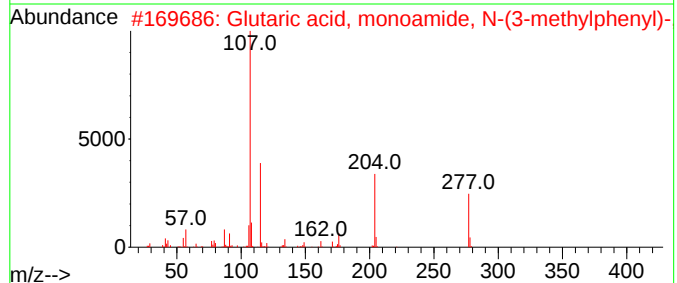
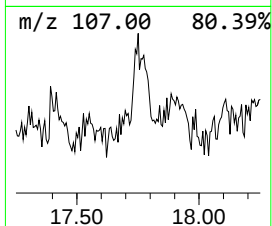
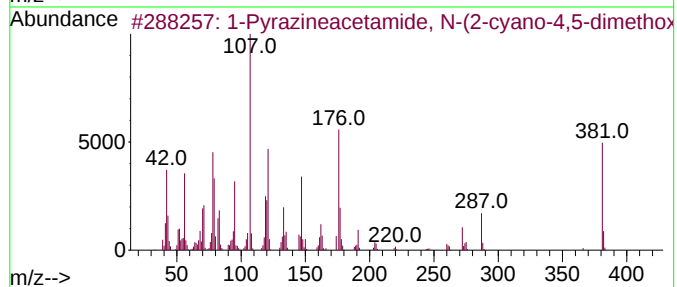
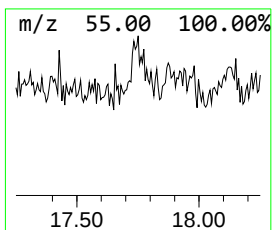
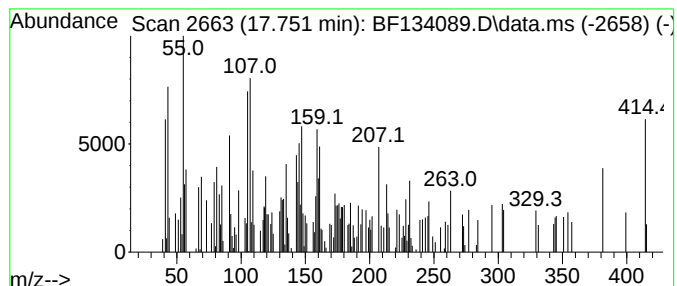
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown17.751 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.751	2.93 ng	78520	Perylene-d12	15.539

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pyrazineacetamide, N-(2-cyano-...	381	C20H23N5O3	1000319-00-2	30		
2	Glutaric acid, monoamide, N-(3-m...	277	C16H23NO3	1000360-91-4	22		
3	Glutaric acid, monoamide, N-(3-m...	263	C15H21NO3	1000360-91-3	22		
4	Glutaric acid, monoamide, N-(3-m...	277	C16H23NO3	1000360-91-5	12		
5	.gamma.-Sitosterol	414	C29H50O	000083-47-6	12		



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070523\
Data File : BF134089.D
Acq On : 06 Jul 2023 03:56
Operator : CG\JU
Sample : 03473-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CMC-EME-TOPSOIL-016

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-metho...	2.140	37.4	ng	1452120	1	6.846	777462	20.0
2-Pentanone, 4-...	5.087	5.3	ng	204990	1	6.846	777462	20.0
Benzophenone	10.598	4.9	ng	234633	3	9.881	949753	20.0
Octacosane	13.551	2.1	ng	74219	5	14.039	688987	20.0
Nonadecane, 1-c...	13.886	14.9	ng	513524	5	14.039	688987	20.0
Tridecane, 1-iodo-	14.198	2.6	ng	90740	5	14.039	688987	20.0
Hexacosane	14.510	2.9	ng	100691	5	14.039	688987	20.0
Heptacosane	14.822	3.2	ng	85970	6	15.539	535476	20.0
1,5,9-Undecatri...	14.898	3.3	ng	87334	6	15.539	535476	20.0
Heneicosane	15.174	5.1	ng	137487	6	15.539	535476	20.0
Nonadecane	16.033	3.5	ng	93870	6	15.539	535476	20.0
unknown17.751	17.751	2.9	ng	78520	6	15.539	535476	20.0