

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
 Data File : BF123396.D
 Acq On : 18 Mar 2021 22:02
 Operator : JU/CG
 Sample : M1709-02 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSHQ-SOIL

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-BF031721.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123396.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.787	285	289	295	rVB	18078	25466	1.52%	0.136%
2	5.410	561	565	584	rBV	655491	773600	46.15%	4.132%
3	6.428	735	738	756	rBV	711307	811570	48.41%	4.335%
4	6.787	796	799	809	rBV	1460646	1256056	74.93%	6.710%
5	7.351	891	895	904	rBV	524284	491482	29.32%	2.625%
6	7.434	906	909	913	rVV2	21378	19908	1.19%	0.106%
7	7.828	972	976	982	rBV5	10743	21365	1.27%	0.114%
8	8.075	1014	1018	1021	rBV	1963985	1640218	97.85%	8.762%
9	8.369	1063	1068	1074	rBV8	13074	19951	1.19%	0.107%
10	8.669	1116	1119	1122	rBV2	28000	29063	1.73%	0.155%
11	8.898	1155	1158	1160	rVB2	27788	22922	1.37%	0.122%
12	9.098	1189	1192	1197	rBV2	54283	54236	3.24%	0.290%
13	9.145	1197	1200	1206	rBV	1010350	855456	51.03%	4.570%
14	9.234	1211	1215	1217	rBV	80944	78410	4.68%	0.419%
15	9.298	1223	1226	1229	rVB2	52557	44928	2.68%	0.240%
16	9.422	1242	1247	1249	rVB5	27254	34367	2.05%	0.184%
17	9.469	1252	1255	1256	rBV2	27227	31328	1.87%	0.167%
18	9.486	1256	1258	1260	rVV2	34303	27060	1.61%	0.145%
19	9.510	1260	1262	1264	rVB2	35109	26872	1.60%	0.144%
20	9.551	1264	1269	1271	rBV3	127469	153032	9.13%	0.817%
21	9.575	1271	1273	1276	rVV	50368	43416	2.59%	0.232%
22	9.610	1276	1279	1282	rVB3	54401	51789	3.09%	0.277%
23	9.645	1282	1285	1290	rVB5	25061	35003	2.09%	0.187%
24	9.704	1290	1295	1298	rBV5	37323	65566	3.91%	0.350%
25	9.739	1298	1301	1303	rBV4	48595	51964	3.10%	0.278%
26	9.763	1303	1305	1309	rVB	123194	93726	5.59%	0.501%
27	9.828	1309	1316	1320	rBV	1908796	1676341	100.00%	8.955%
28	9.933	1331	1334	1337	rBV2	43737	49861	2.97%	0.266%
29	9.992	1341	1344	1346	rBV3	34349	43090	2.57%	0.230%
30	10.086	1356	1360	1363	rBV4	68303	87566	5.22%	0.468%
31	10.145	1367	1370	1372	rBV2	62073	67501	4.03%	0.361%
32	10.198	1377	1379	1383	rVB4	39346	40558	2.42%	0.217%
33	10.239	1383	1386	1387	rBV3	53758	56149	3.35%	0.300%
34	10.263	1387	1390	1392	rVV	206947	176895	10.55%	0.945%
35	10.286	1392	1394	1397	rVV3	35057	41458	2.47%	0.221%
36	10.316	1397	1399	1405	rVB7	36027	58310	3.48%	0.311%

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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 >
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37	10.481	1424	1427	1432	rVB	163384	179411	10.70%	0.958%
38	10.569	1439	1442	1444	rBV2	47485	47067	2.81%	0.251%
39	10.616	1445	1450	1454	rVV2	386089	376002	22.43%	2.009%
40	11.186	1544	1547	1549	rBV	293017	245467	14.64%	1.311%
41	11.216	1549	1552	1556	rVB	307644	276214	16.48%	1.476%
42	11.316	1566	1569	1572	rBV	1466488	1247269	74.40%	6.663%
43	11.563	1609	1611	1614	rVB	89546	86616	5.17%	0.463%
44	11.610	1617	1619	1623	rVB	271709	215391	12.85%	1.151%
45	11.710	1634	1636	1639	rVB	200538	153379	9.15%	0.819%
46	11.851	1657	1660	1668	rVB	409184	449003	26.78%	2.399%
47	12.022	1686	1689	1692	rVB	241892	184791	11.02%	0.987%
48	12.298	1733	1736	1740	rBV3	94911	107218	6.40%	0.573%
49	12.410	1751	1755	1760	rBV	224482	313220	18.68%	1.673%
50	12.510	1769	1772	1774	rBV2	95610	106708	6.37%	0.570%
51	12.557	1775	1780	1789	rVV2	442259	750450	44.77%	4.009%
52	12.639	1791	1794	1800	rVB	150757	197500	11.78%	1.055%
53	12.780	1816	1818	1822	rVB	144991	120309	7.18%	0.643%
54	12.904	1835	1839	1845	rVB	680171	613421	36.59%	3.277%
55	13.139	1877	1879	1882	rVB2	127746	104433	6.23%	0.558%
56	13.480	1935	1937	1941	rVB2	104353	87677	5.23%	0.468%
57	13.816	1991	1994	2004	rVB2	282398	431445	25.74%	2.305%
58	13.963	2013	2019	2022	rBV2	1097977	1163870	69.43%	6.217%
59	14.127	2045	2047	2050	rBV	89473	80483	4.80%	0.430%
60	14.433	2097	2099	2101	rBV	130966	142748	8.52%	0.763%
61	14.457	2101	2103	2113	rVB3	259241	428585	25.57%	2.289%
62	14.592	2124	2126	2133	rVB	244359	223848	13.35%	1.196%
63	14.739	2148	2151	2153	rBV	126519	126134	7.52%	0.674%
64	15.068	2204	2207	2210	rVB	242364	240802	14.36%	1.286%
65	15.410	2261	2265	2268	rBV	580609	740498	44.17%	3.956%
66	15.863	2339	2342	2347	rVB	177918	223548	13.34%	1.194%

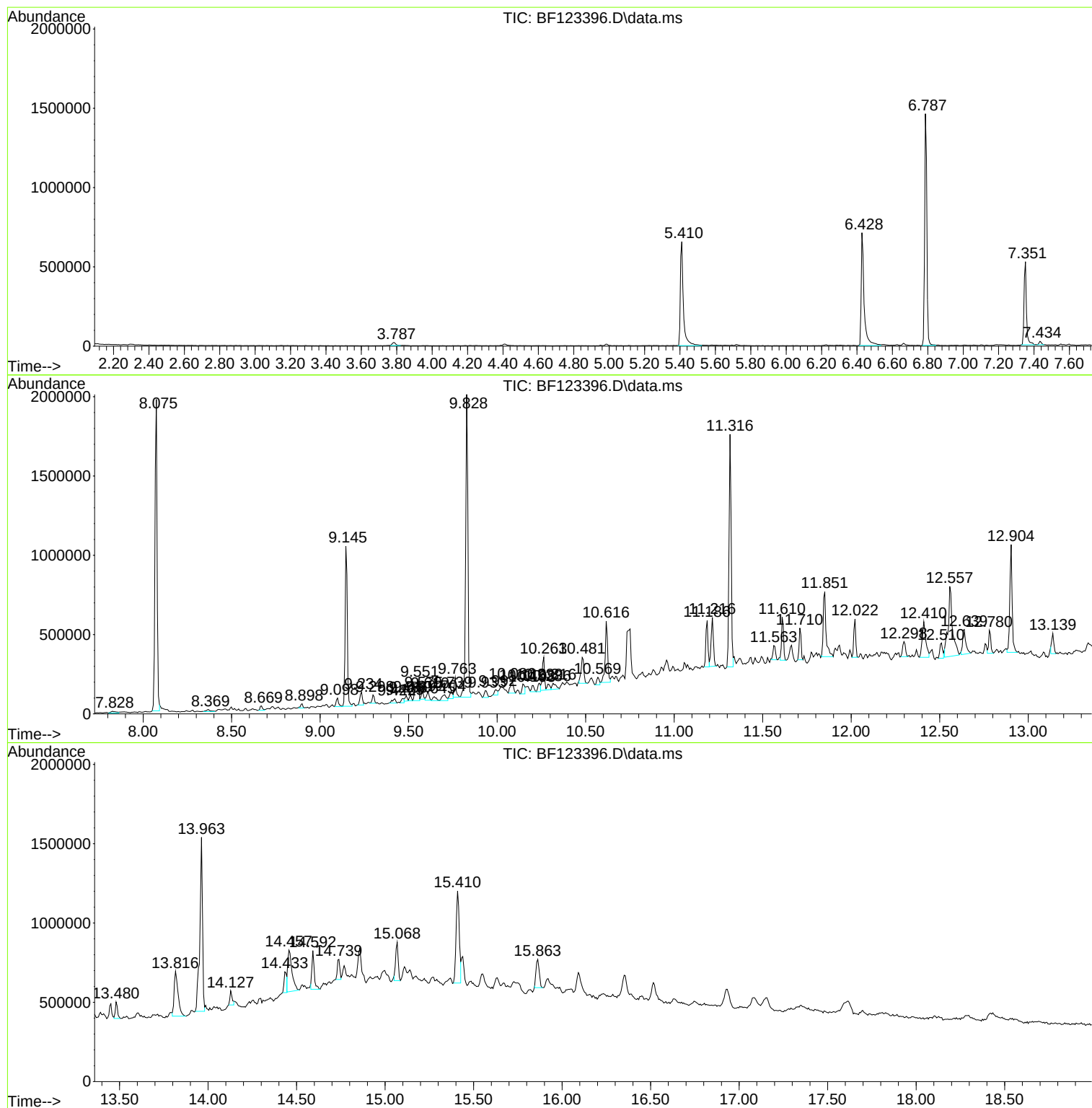
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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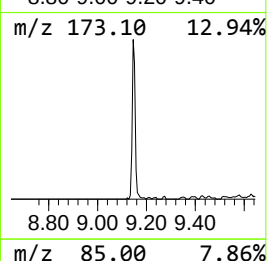
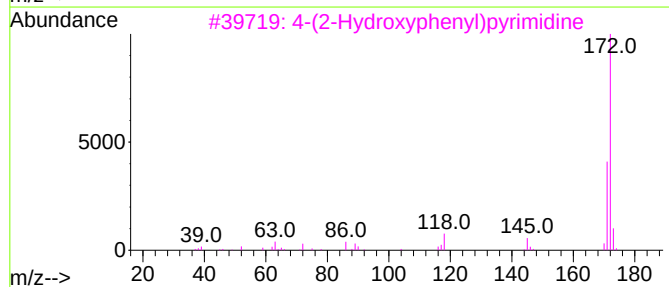
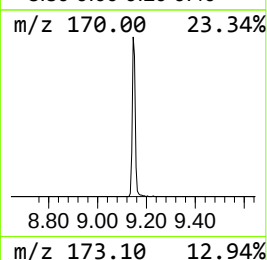
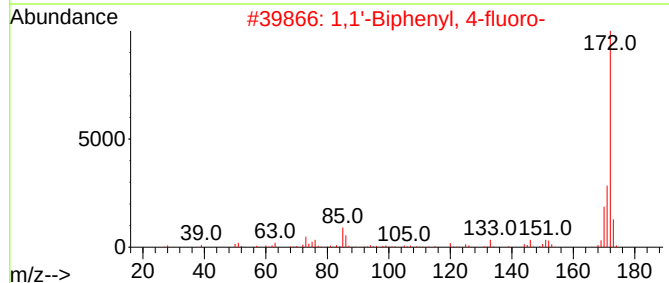
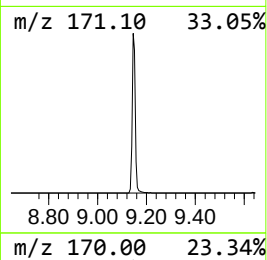
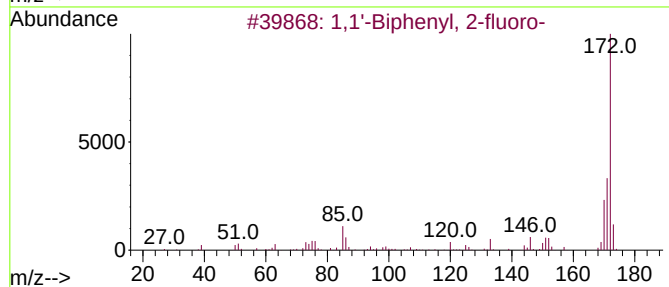
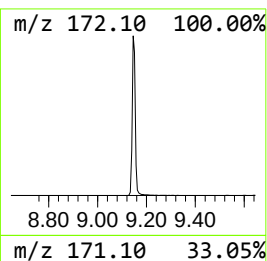
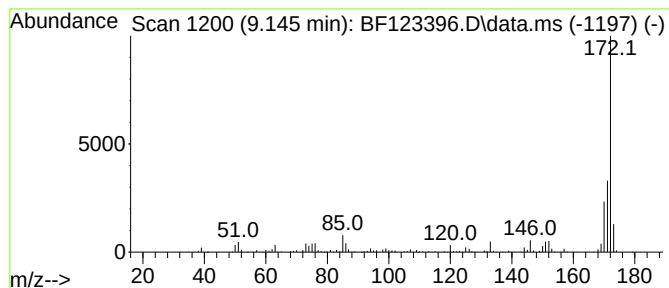
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031721.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 1,1'-Biphenyl, 2-fluoro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.145	10.21 ng	855456	Acenaphthene-d10	9.828

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-fluoro-		172	C12H9F	000321-60-8	96	
2	1,1'-Biphenyl, 4-fluoro-		172	C12H9F	000324-74-3	94	
3	4-(2-Hydroxyphenyl)pyrimidine		172	C10H8N2O	068535-55-7	59	
4	4-Pyrimidinol, 5-phenyl-		172	C10H8N2O	022433-69-8	42	
5	l-Norleucine, n-propoxycarbonyl-...		343	C19H37NO4	1000329-54-2	38	



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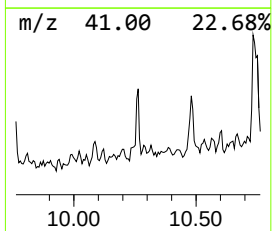
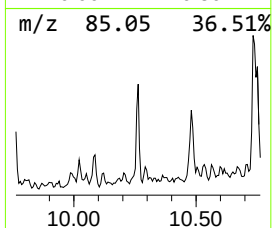
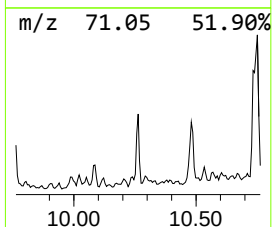
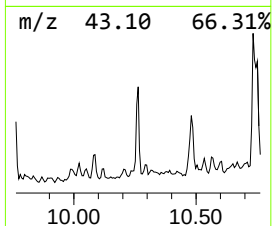
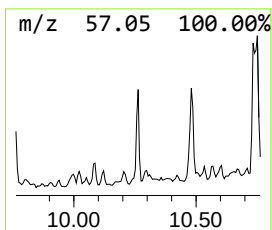
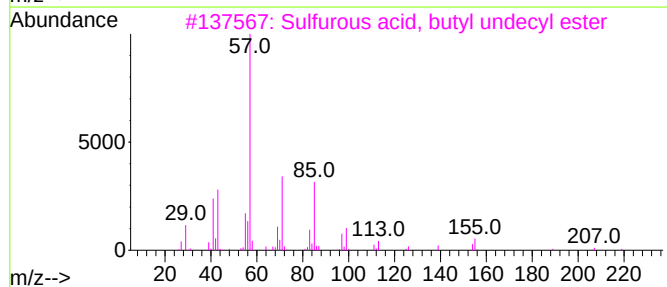
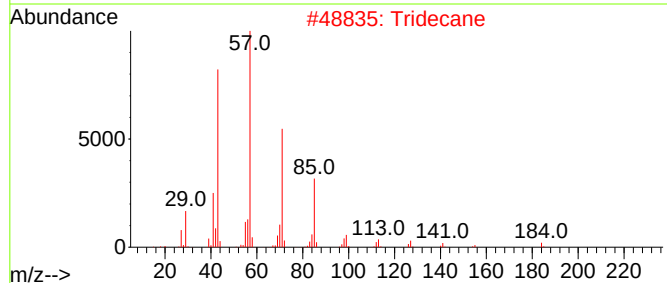
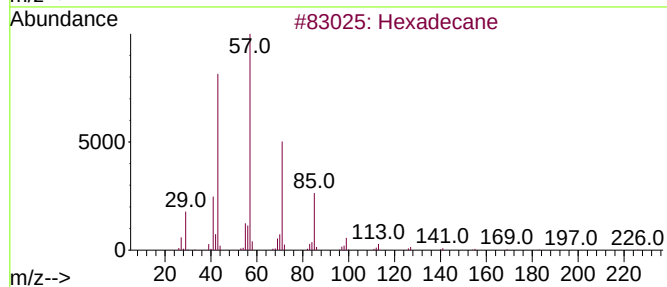
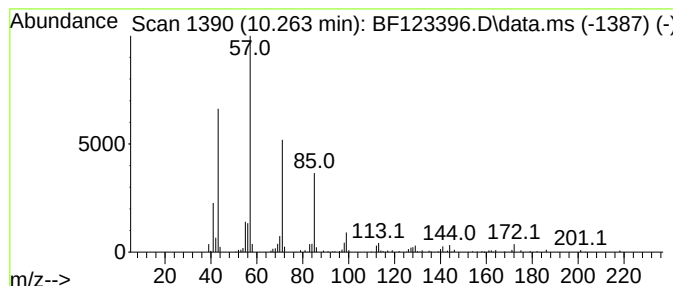
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Hexadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.263	2.11 ng	176895	Acenaphthene-d10	9.828

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	72
2			Tridecane	184	C13H28	000629-50-5	64
3			Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	59
4			Pentadecane	212	C15H32	000629-62-9	58
5			Heptadecane	240	C17H36	000629-78-7	53



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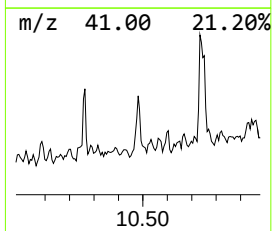
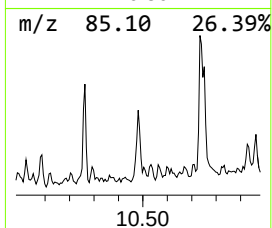
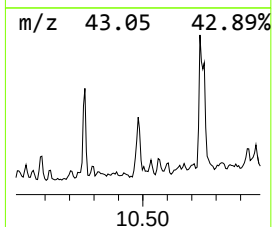
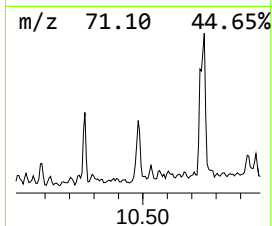
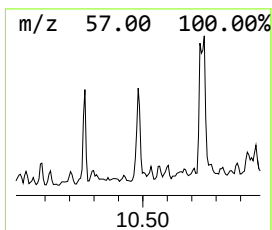
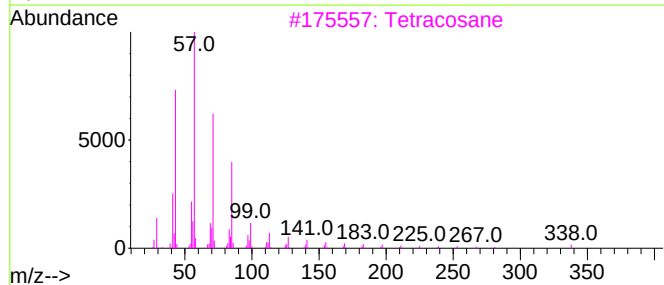
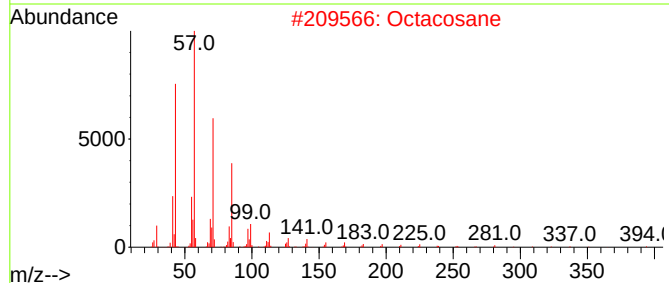
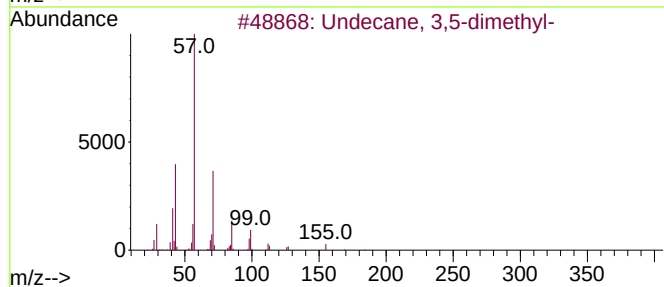
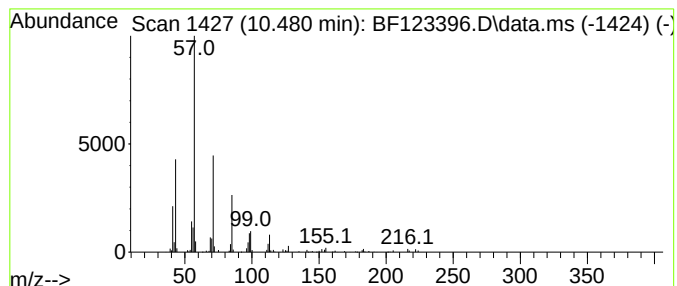
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Undecane, 3,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.480	2.14 ng	179411	Acenaphthene-d10	9.828

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	81
2			Octacosane	394	C28H58	000630-02-4	72
3			Tetracosane	338	C24H50	000646-31-1	72
4			Heneicosane	296	C21H44	000629-94-7	72
5			Eicosane	282	C20H42	000112-95-8	72



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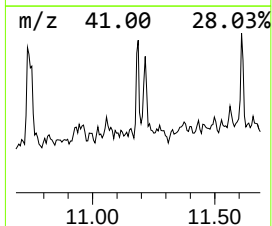
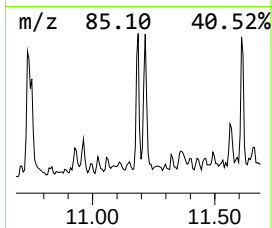
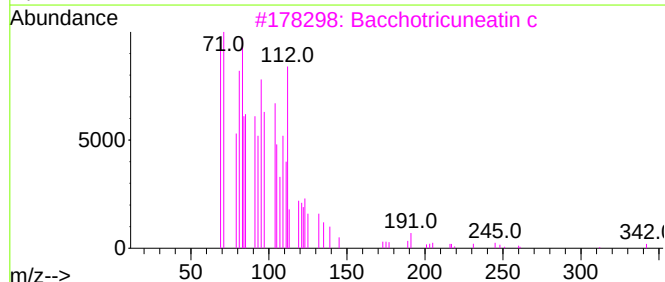
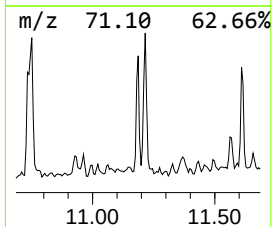
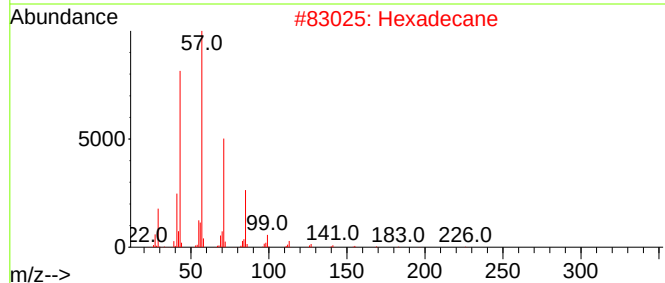
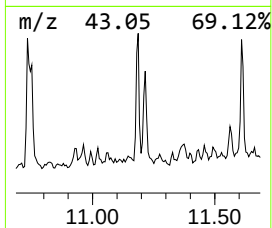
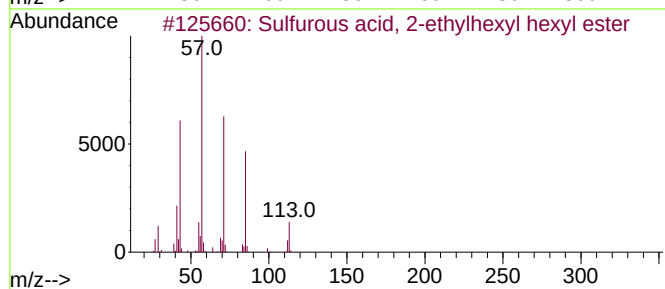
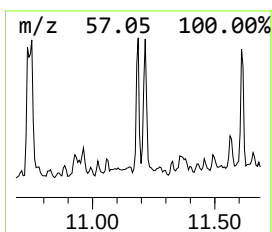
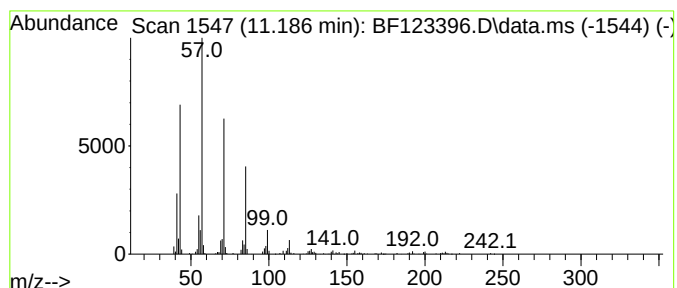
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Sulfurous acid, 2-ethylhexy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.186	3.94 ng	245467	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80
2			Hexadecane	226	C16H34	000544-76-3	64
3			Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
4			1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	58
5			Tetradecane	198	C14H30	000629-59-4	58



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PSHQ-SOIL

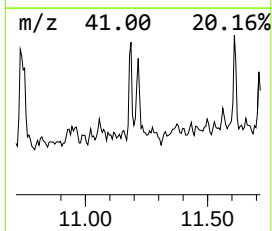
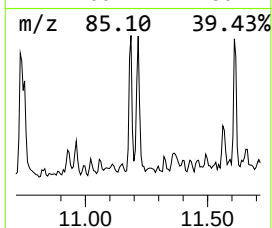
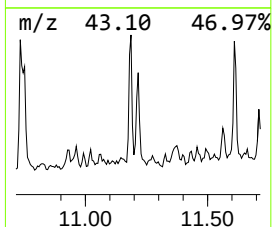
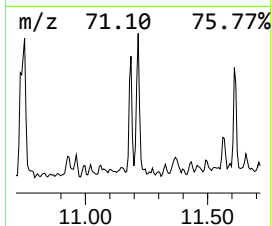
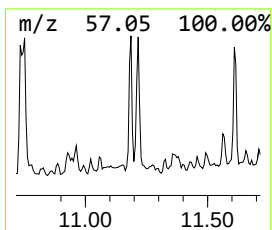
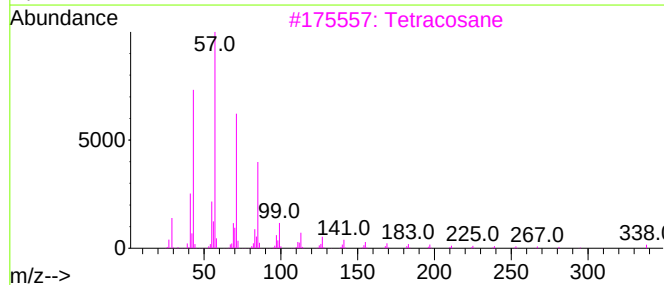
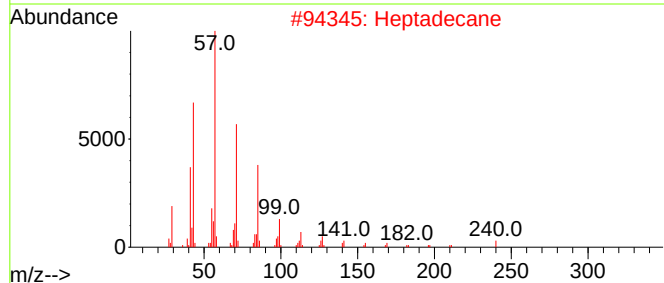
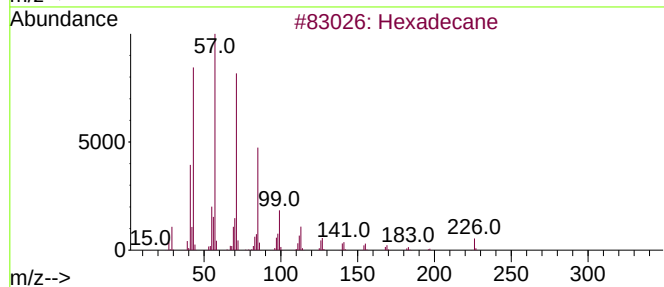
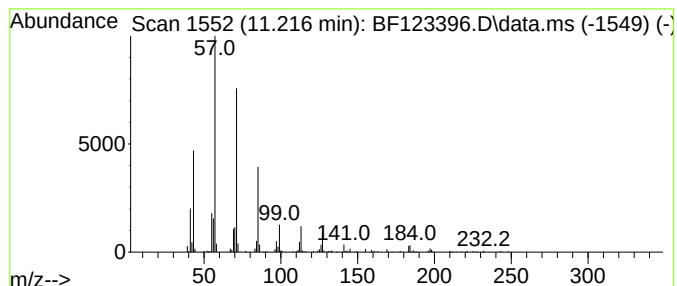
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Heptadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.216	4.43 ng	276214	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	91
2			Heptadecane	240	C17H36	000629-78-7	90
3			Tetracosane	338	C24H50	000646-31-1	90
4			Octadecane	254	C18H38	000593-45-3	90
5			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
Data File : BF123396.D
Acq On : 18 Mar 2021 22:02
Operator : JU/CG
Sample : M1709-02 5X
Misc :
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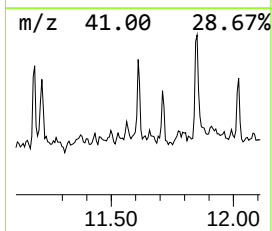
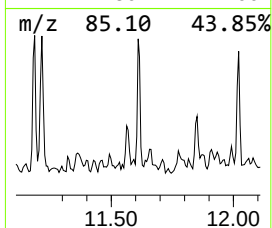
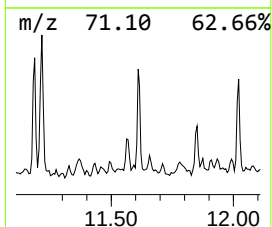
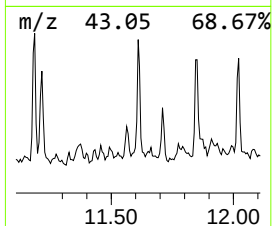
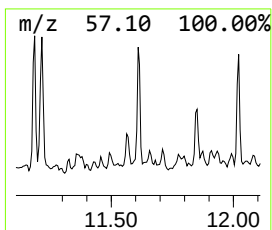
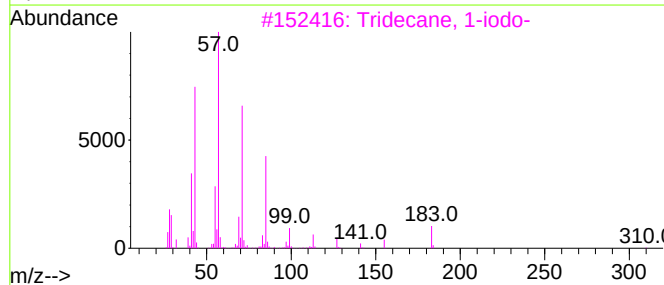
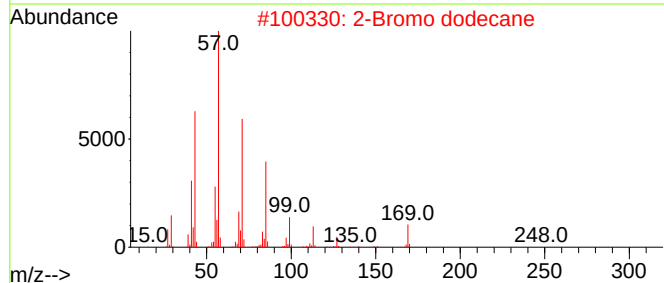
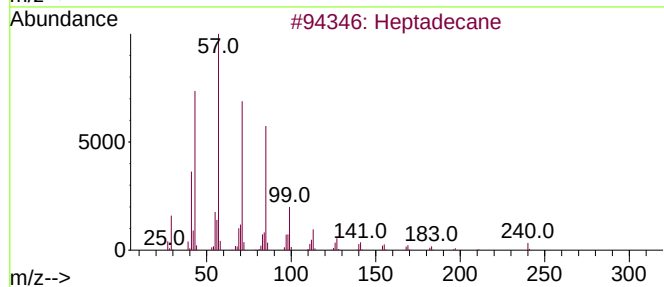
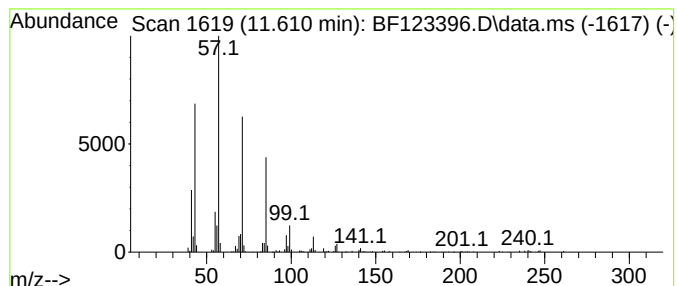
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 2-Bromo dodecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.610	3.45 ng	215391	Phenanthrene-d10	11.316	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	90
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	87
5	Octacosane	394	C28H58	000630-02-4	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
Data File : BF123396.D
Acq On : 18 Mar 2021 22:02
Operator : JU/CG
Sample : M1709-02 5X
Misc :
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Instrument :
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ClientSampleId :
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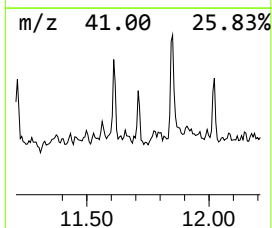
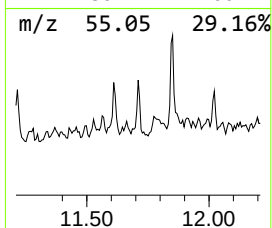
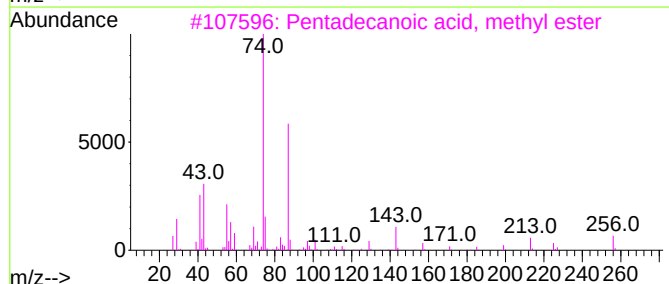
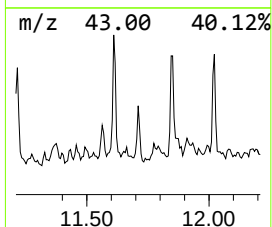
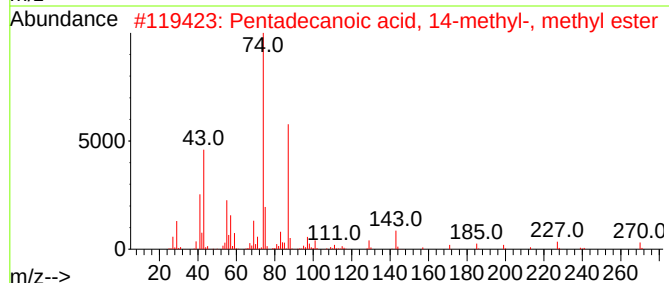
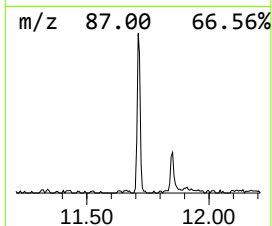
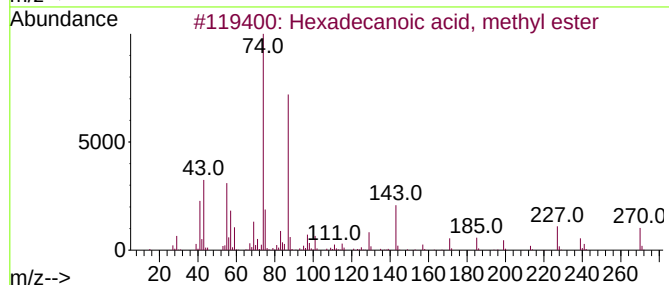
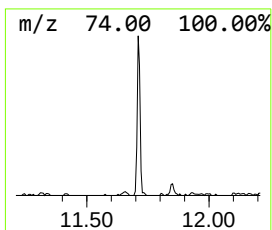
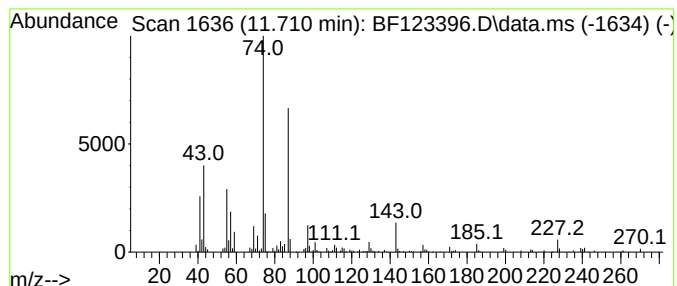
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.710	2.46 ng	153379	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	97
2			Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
3			Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4			Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	83
5			Methyl tetradecanoate	242	C15H30O2	000124-10-7	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
Data File : BF123396.D
Acq On : 18 Mar 2021 22:02
Operator : JU/CG
Sample : M1709-02 5X
Misc :
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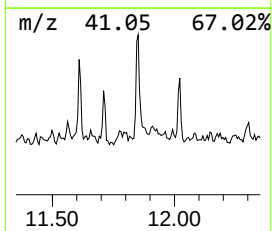
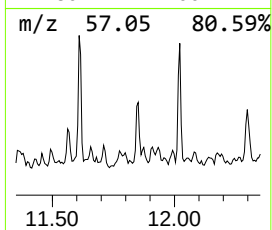
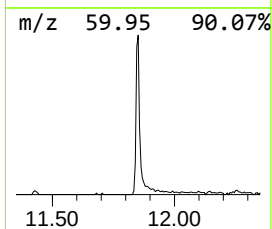
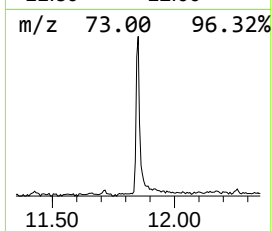
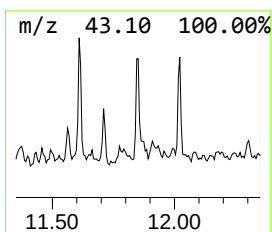
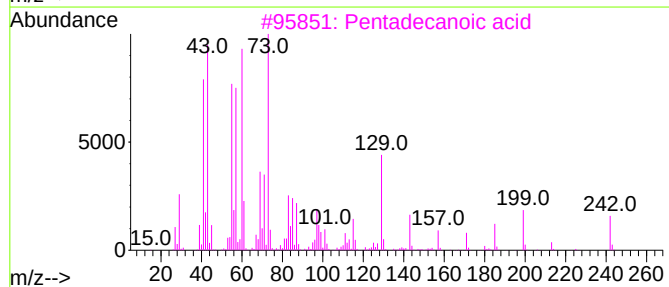
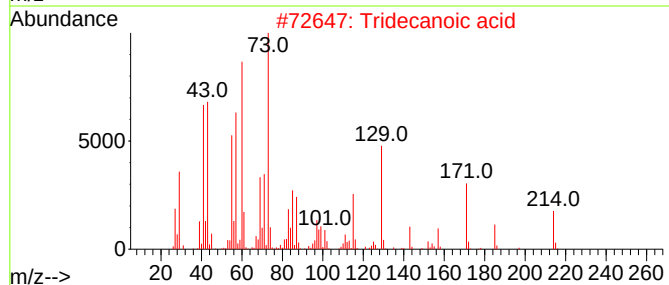
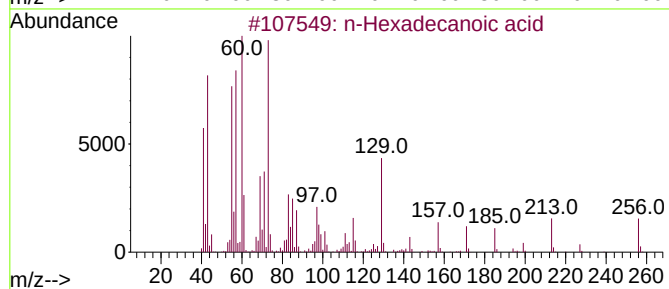
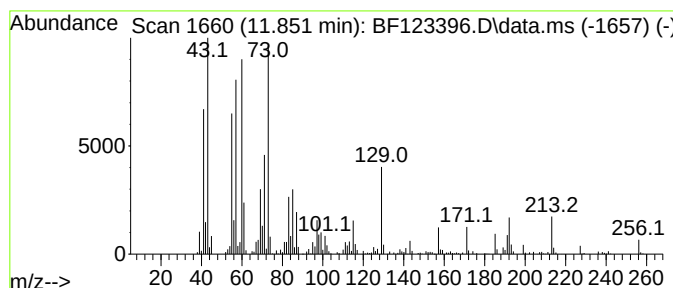
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.851	7.20 ng	449003	Phenanthrene-d10	11.316	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	n-Decanoic acid	172	C10H20O2	000334-48-5	76
5	Nonadecane	268	C19H40	000629-92-5	11



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
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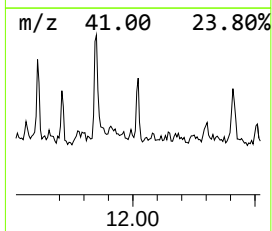
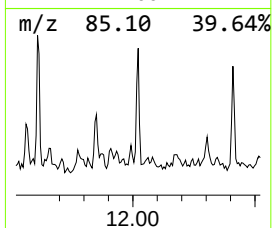
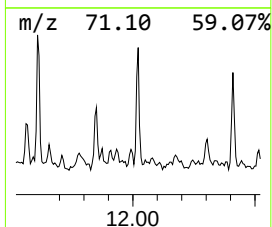
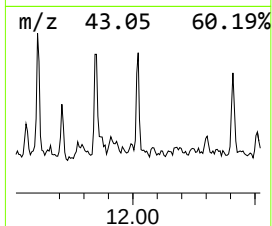
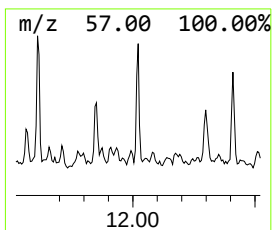
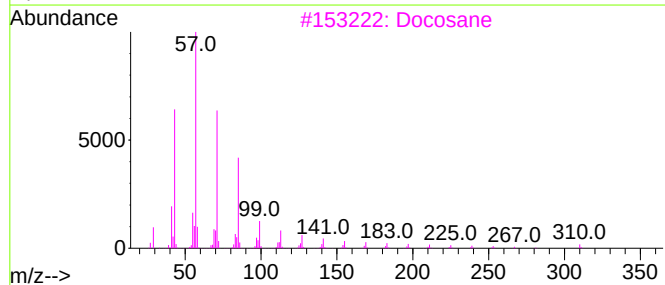
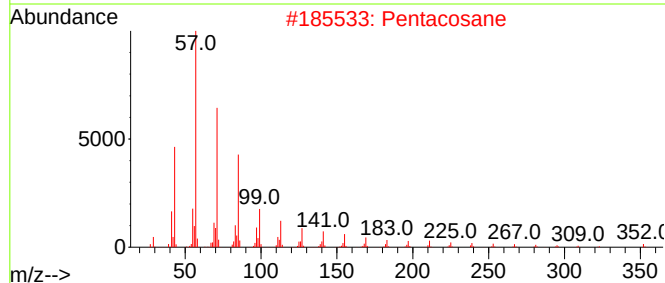
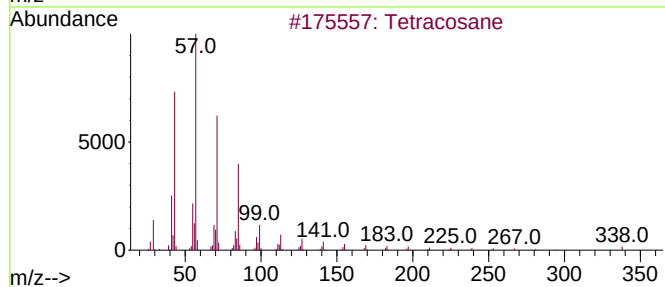
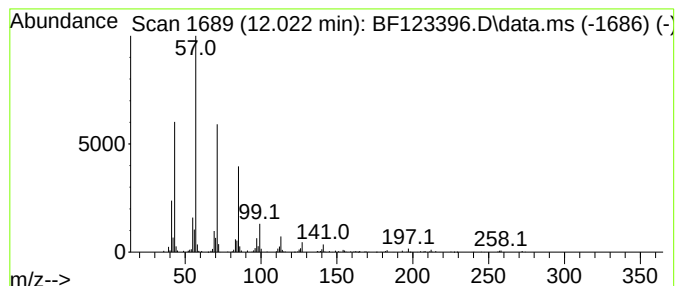
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tetracosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.022	2.96 ng	184791	Phenanthrene-d10		11.316	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Tetracosane		338	C24H50	000646-31-1	91
2	Pentacosane		352	C25H52	000629-99-2	90
3	Docosane		310	C22H46	000629-97-0	90
4	Tridecane, 4,8-dimethyl-		212	C15H32	055030-62-1	86
5	Hexadecane		226	C16H34	000544-76-3	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
Data File : BF123396.D
Acq On : 18 Mar 2021 22:02
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Misc :
ALS Vial : 19 Sample Multiplier: 1

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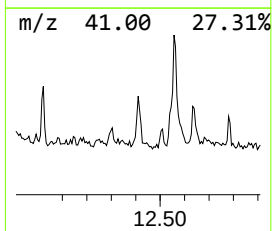
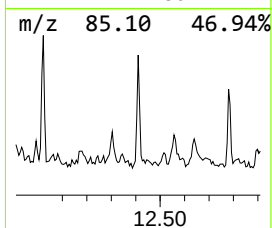
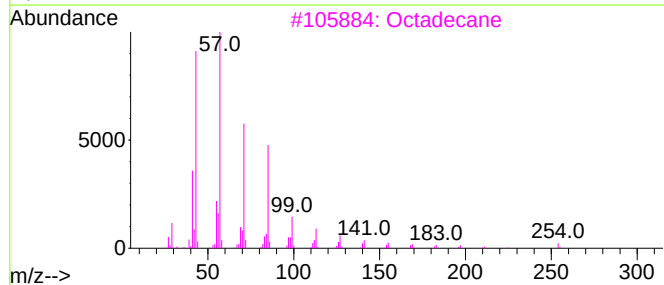
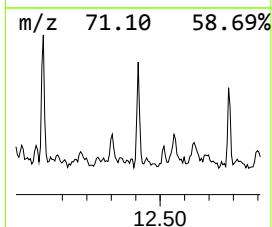
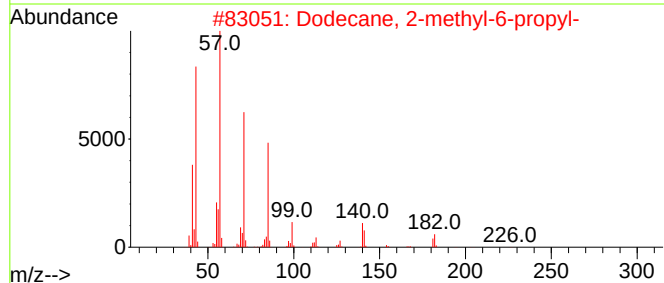
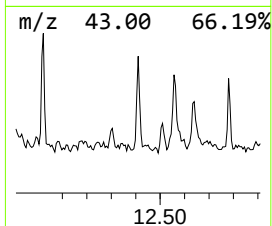
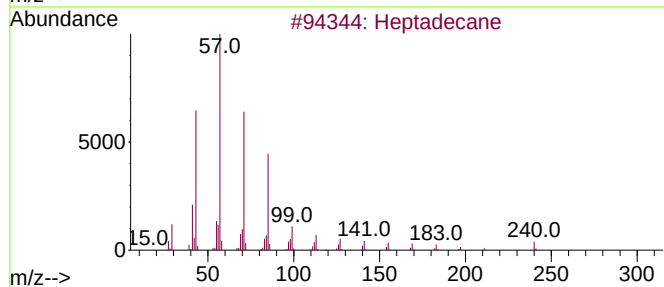
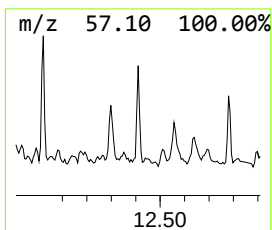
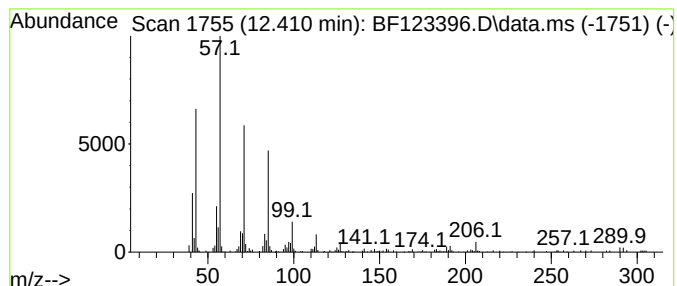
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Dodecane, 2-methyl-6-propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	5.02 ng	313220	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane	240	C17H36	000629-78-7	93
2			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
3			Octadecane	254	C18H38	000593-45-3	86
4			Pentadecane	212	C15H32	000629-62-9	86
5			Nonadecane	268	C19H40	000629-92-5	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
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Operator : JU/CG
Sample : M1709-02 5X
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ALS Vial : 19 Sample Multiplier: 1

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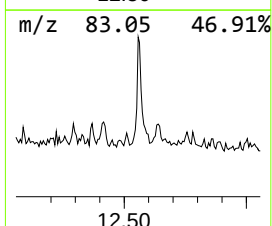
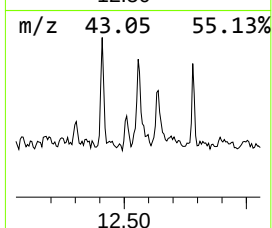
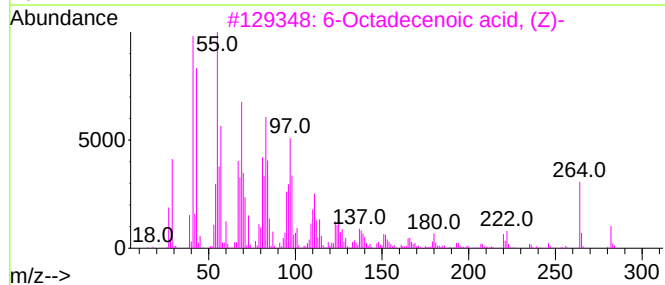
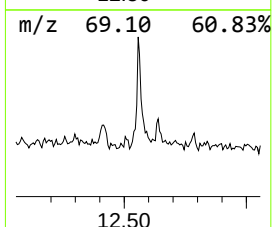
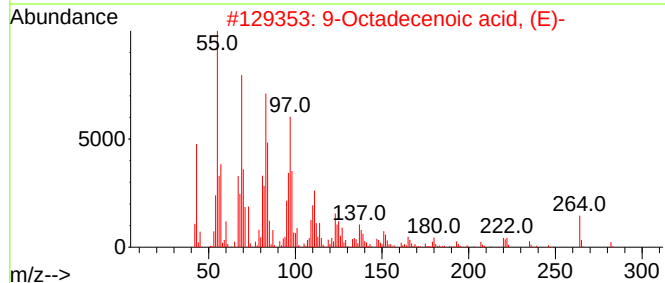
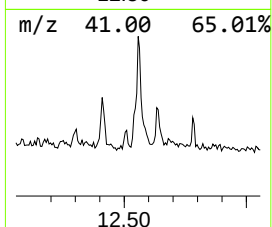
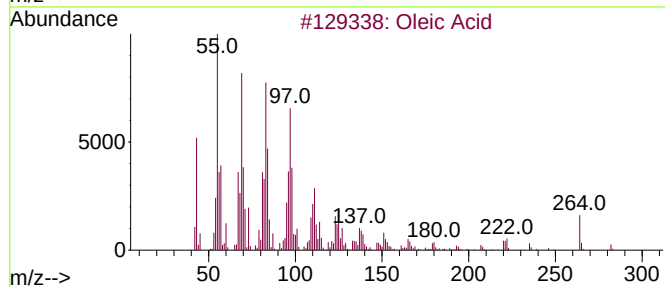
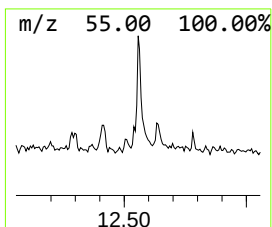
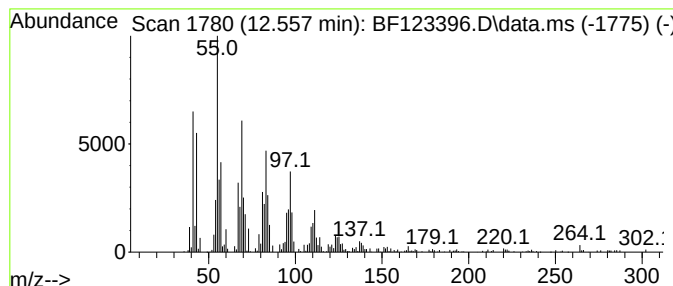
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Oleic Acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.557	12.03 ng	750450	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oleic Acid	282	C18H34O2	000112-80-1	98
2			9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	98
3			6-Octadecenoic acid, (Z)-	282	C18H34O2	000593-39-5	97
4			cis-Vaccenic acid	282	C18H34O2	000506-17-2	96
5			cis-10-Heptadecenoic acid	268	C17H32O2	029743-97-3	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
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Acq On : 18 Mar 2021 22:02
Operator : JU/CG
Sample : M1709-02 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PSHQ-SOIL

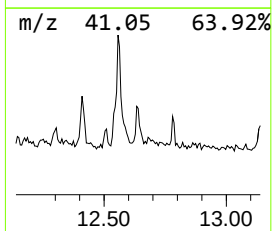
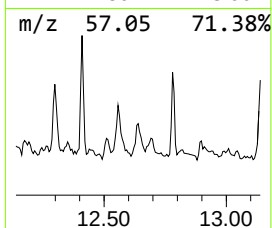
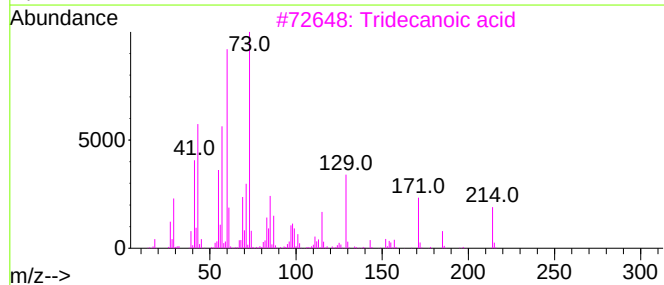
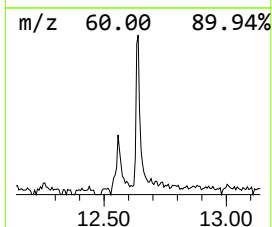
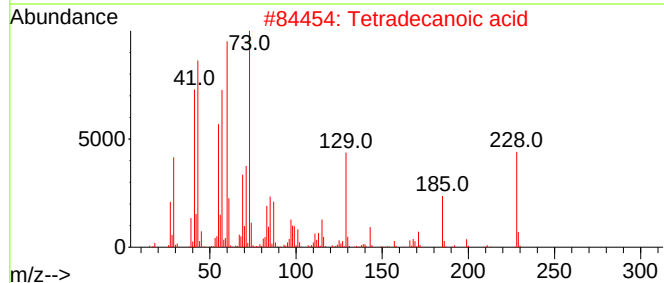
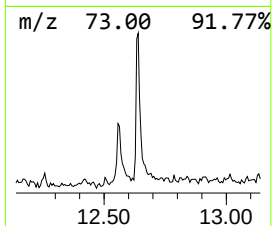
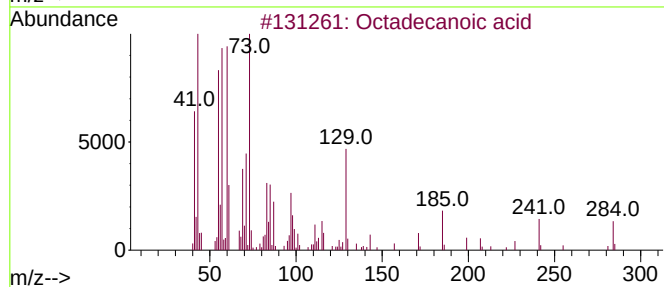
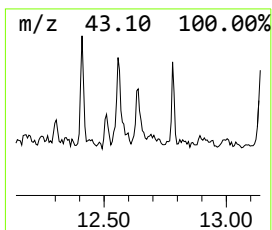
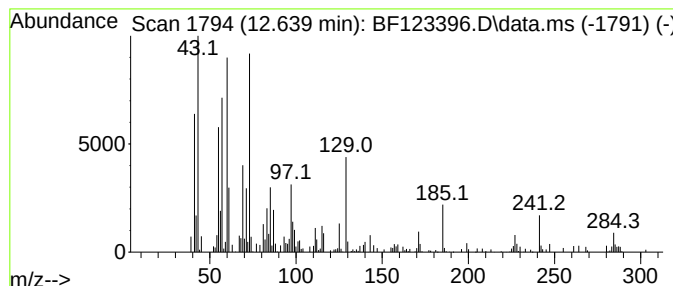
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Octadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.639	3.17 ng	197500	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	94
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3			Tridecanoic acid	214	C13H26O2	000638-53-9	72
4			n-Decanoic acid	172	C10H20O2	000334-48-5	70
5			Dodecanoic acid	200	C12H24O2	000143-07-7	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
Data File : BF123396.D
Acq On : 18 Mar 2021 22:02
Operator : JU/CG
Sample : M1709-02 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

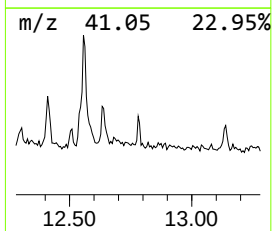
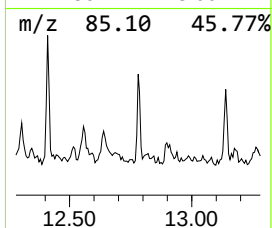
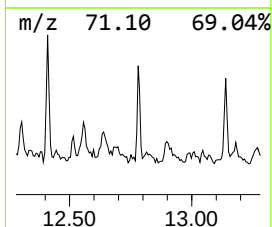
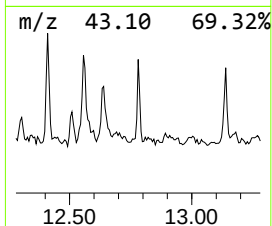
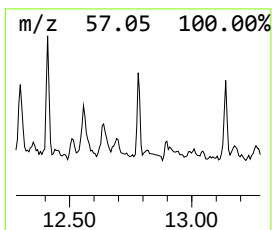
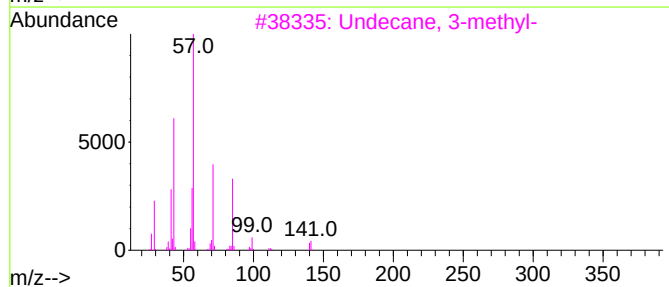
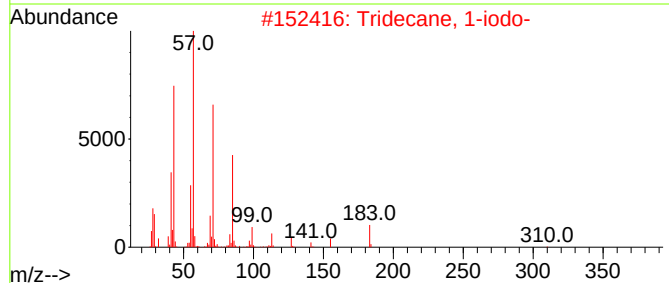
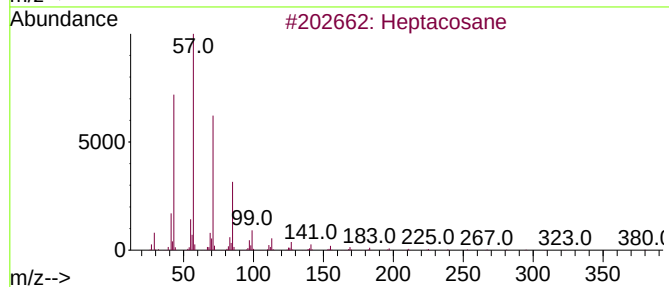
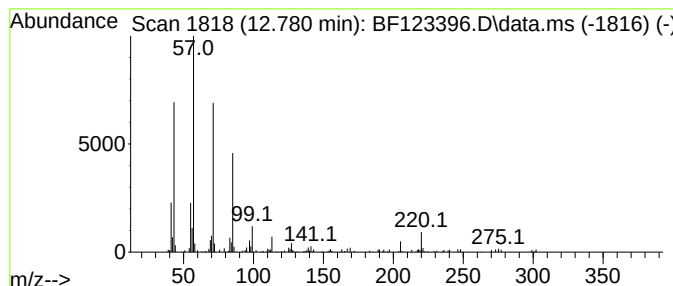
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heptacosane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.780	2.07 ng	120309	Chrysene-d12		13.963	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptacosane		380	C27H56	000593-49-7	74
2	Tridecane, 1-iodo-		310	C13H27I	035599-77-0	72
3	Undecane, 3-methyl-		170	C12H26	001002-43-3	64
4	Octadecane, 1-iodo-		380	C18H37I	000629-93-6	64
5	Nonane, 5-methyl-5-propyl-		184	C13H28	017312-75-3	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
Data File : BF123396.D
Acq On : 18 Mar 2021 22:02
Operator : JU/CG
Sample : M1709-02 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

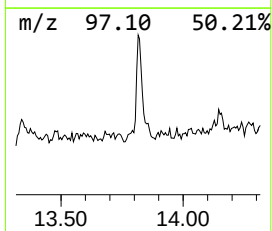
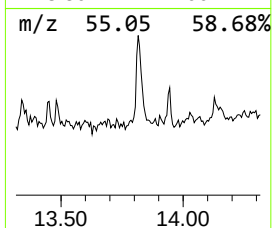
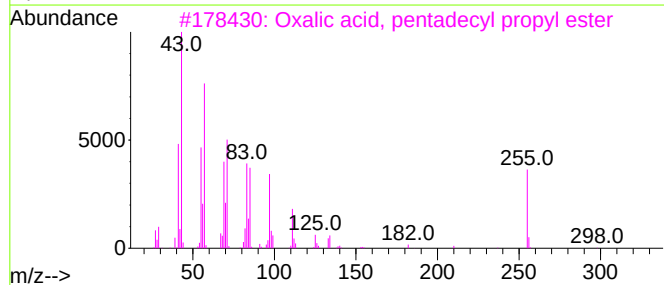
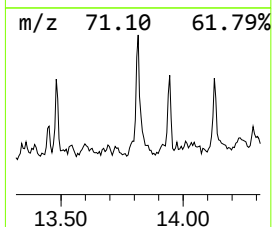
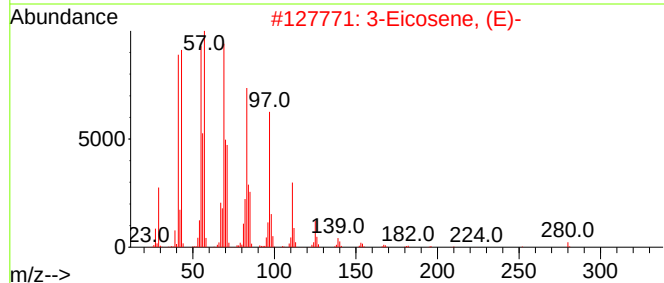
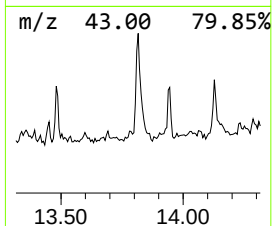
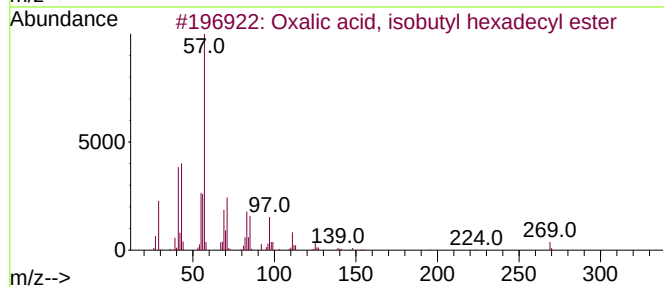
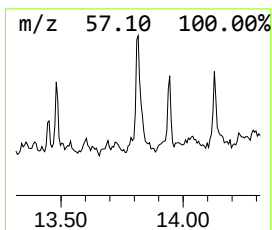
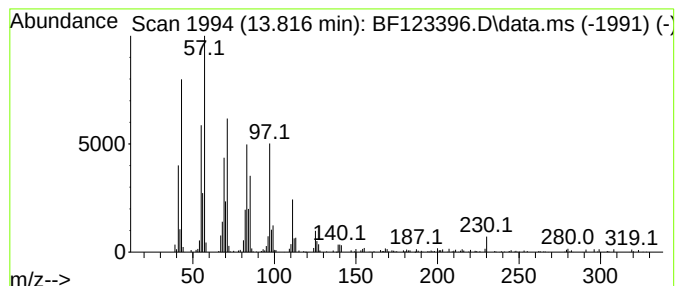
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Oxalic acid, isobutyl hexad... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.816	7.41 ng	431445	Chrysene-d12	13.963	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	91
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	83
3	Oxalic acid, pentadecyl propyl e...	342	C20H38O4	1000309-26-8	83
4	5-Eicosene, (E)-	280	C20H40	074685-30-6	76
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
Data File : BF123396.D
Acq On : 18 Mar 2021 22:02
Operator : JU/CG
Sample : M1709-02 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

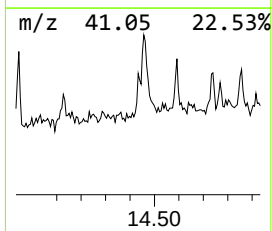
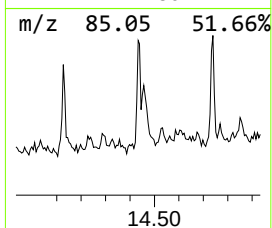
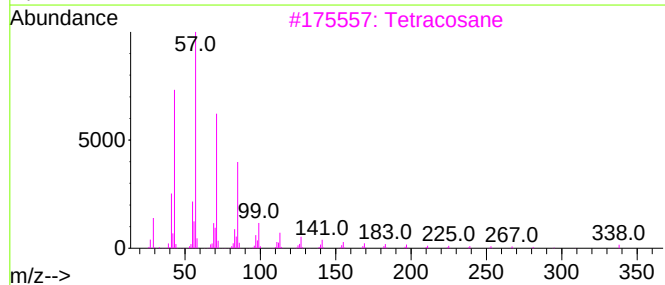
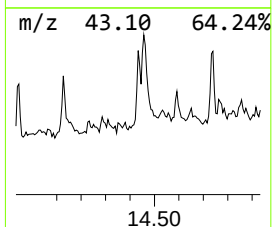
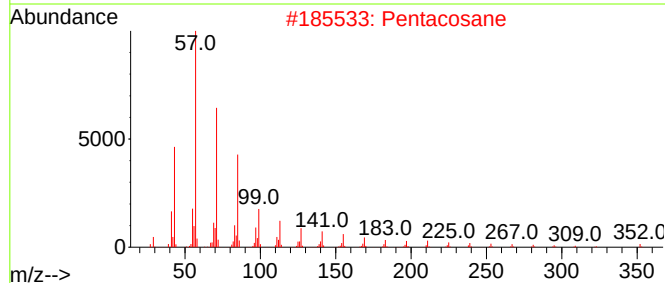
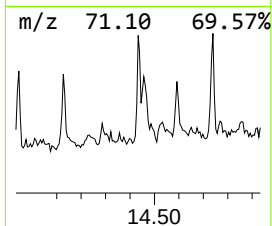
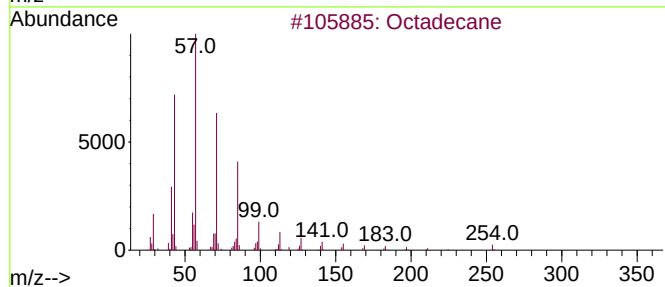
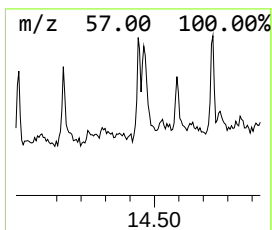
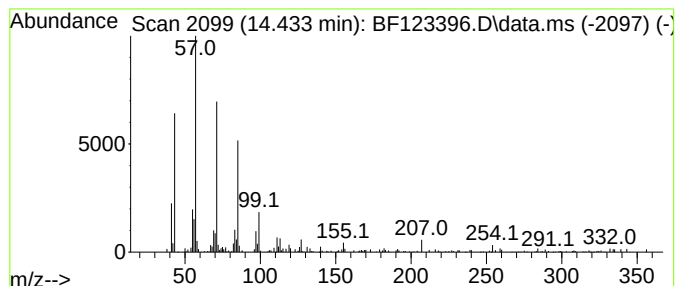
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Octadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.433	2.45 ng	142748	Chrysene-d12	13.963	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	90
2	Pentacosane	352	C25H52	000629-99-2	86
3	Tetracosane	338	C24H50	000646-31-1	86
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	80
5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
Data File : BF123396.D
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Instrument :
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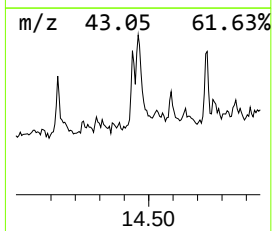
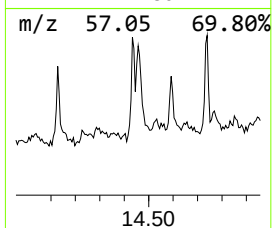
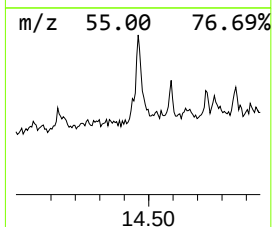
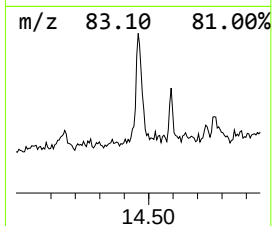
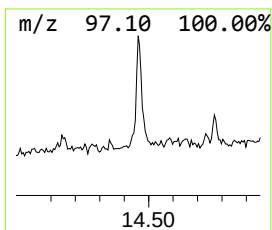
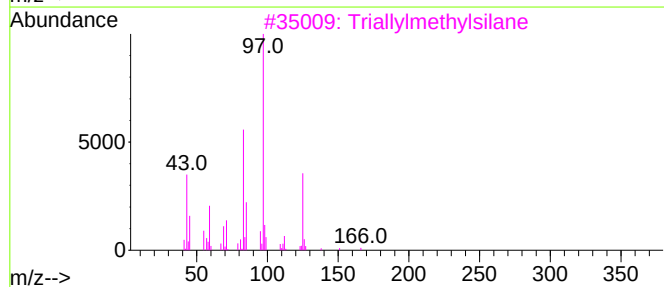
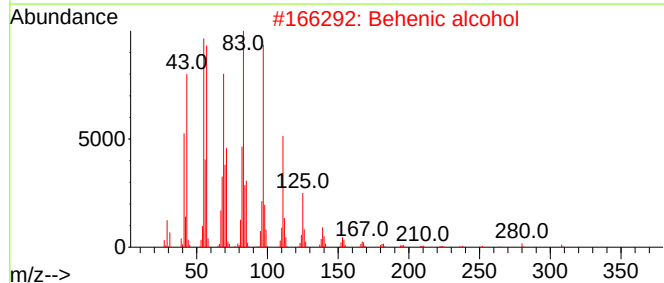
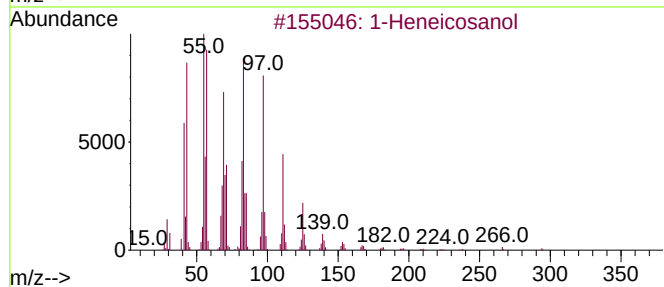
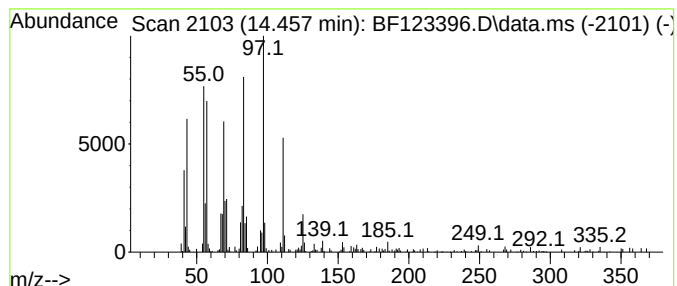
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1-Heneicosanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.457	7.36 ng	428585	Chrysene-d12	13.963

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heneicosanol	312	C21H44O	015594-90-8	53
2			Behenic alcohol	326	C22H46O	000661-19-8	49
3			Triallylmethylsilane	166	C10H18Si	001112-91-0	46
4			Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	41
5			Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	41



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
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Sample : M1709-02 5X
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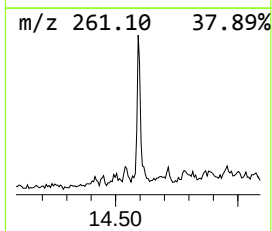
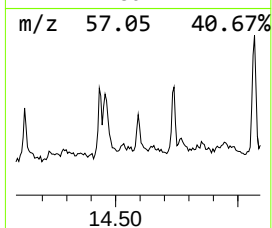
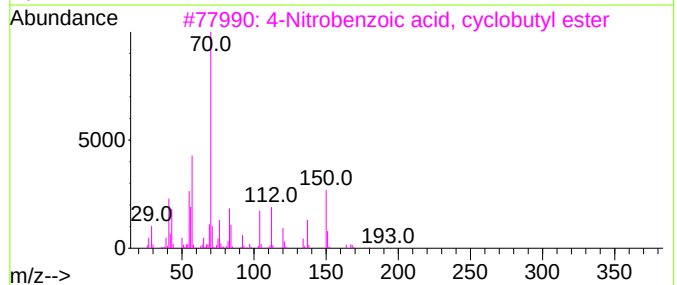
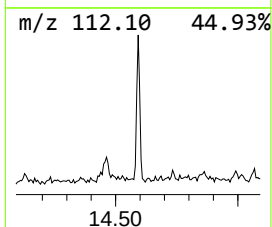
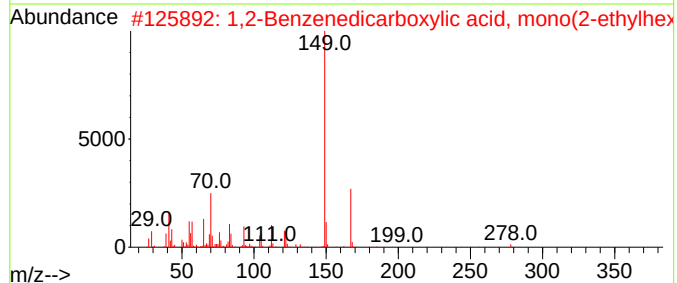
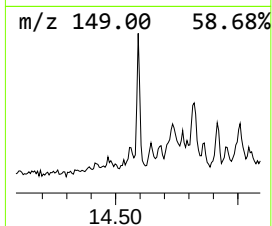
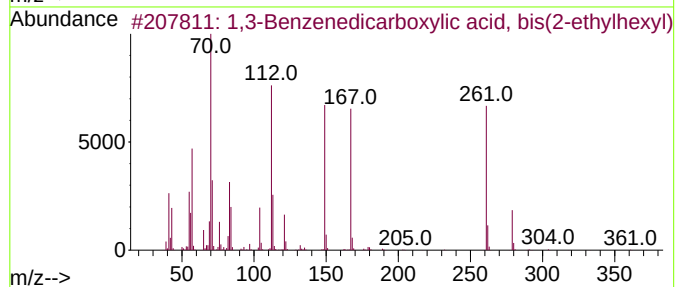
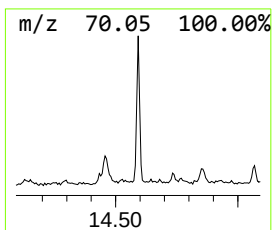
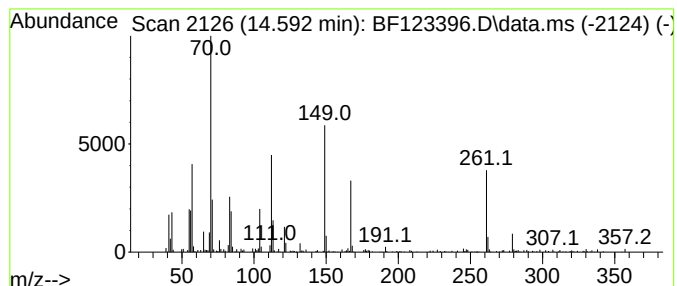
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,3-Benzenedicarboxylic aci... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.592	3.85 ng	223848	Chrysene-d12	13.963	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Benzenedicarboxylic acid, bi...	390	C24H38O4	000137-89-3	72
2	1,2-Benzenedicarboxylic acid, mo...	278	C16H22O4	004376-20-9	38
3	4-Nitrobenzoic acid, cyclobutyl ...	221	C11H11NO4	070335-00-1	25
4	Bromoacetic acid, 2-ethylhexyl e...	250	C10H19BrO2	068144-73-0	16
5	Undecane, 3-methylene-	168	C12H24	071138-64-2	14



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
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Acq On : 18 Mar 2021 22:02
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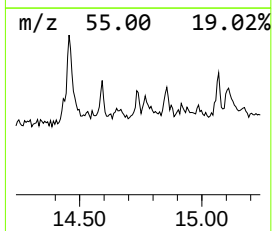
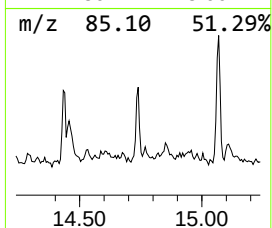
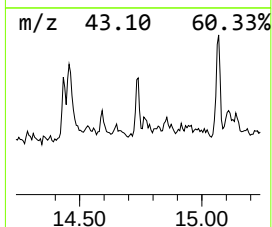
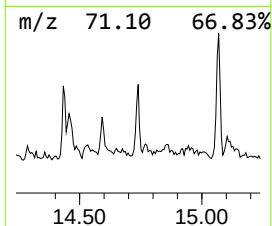
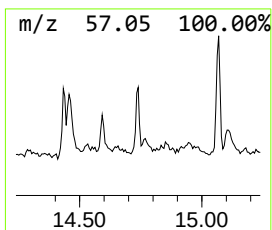
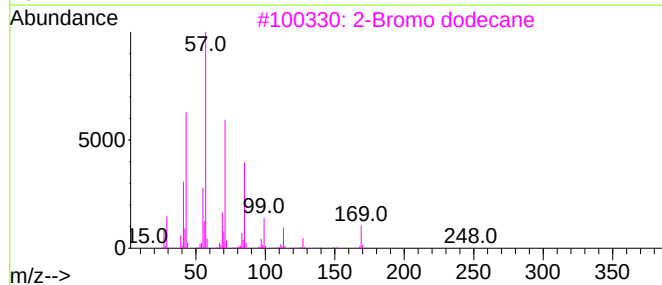
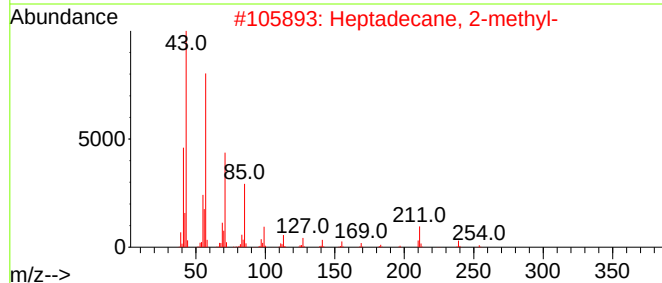
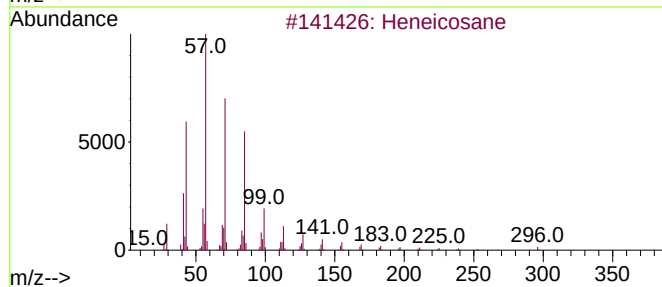
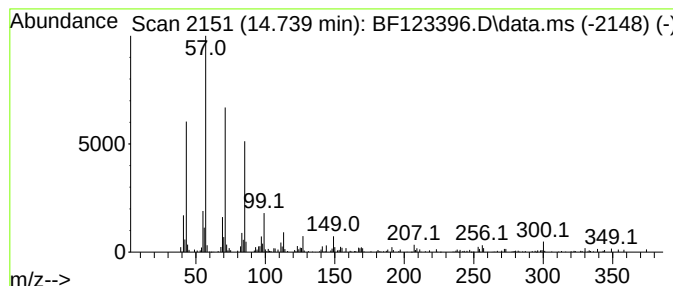
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Heneicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.739	3.41 ng	126134	Perylene-d12	15.410

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heneicosane	296	C21H44	000629-94-7	86
2		Heptadecane, 2-methyl-	254	C18H38	001560-89-0	83
3		2-Bromo dodecane	248	C12H25Br	013187-99-0	80
4		Hexadecane, 7-methyl-	240	C17H36	026730-20-1	76
5		Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
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Acq On : 18 Mar 2021 22:02
Operator : JU/CG
Sample : M1709-02 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

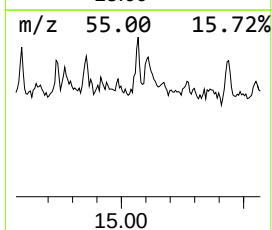
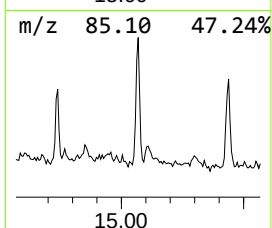
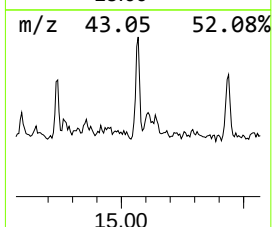
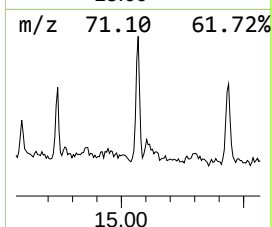
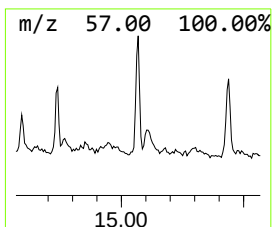
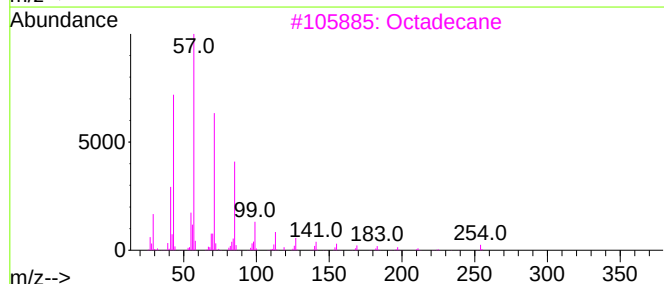
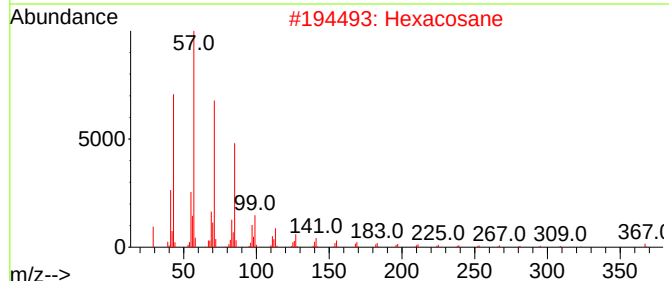
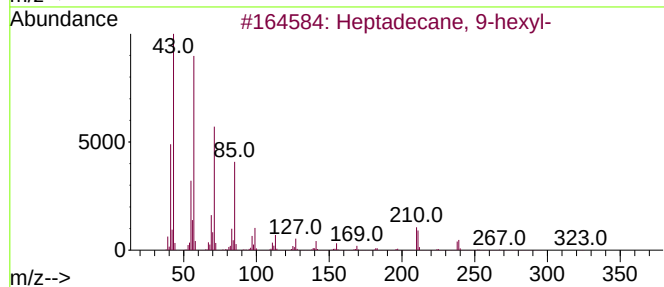
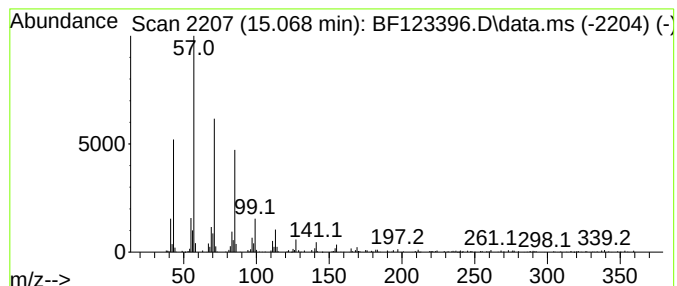
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Heptadecane, 9-hexyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.069	6.50 ng	240802	Perylene-d12		15.410	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Heptadecane, 9-hexyl-		324	C23H48	055124-79-3	91
2	Hexacosane		366	C26H54	000630-01-3	91
3	Octadecane		254	C18H38	000593-45-3	91
4	Hexadecane		226	C16H34	000544-76-3	91
5	Heneicosane		296	C21H44	000629-94-7	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
Data File : BF123396.D
Acq On : 18 Mar 2021 22:02
Operator : JU/CG
Sample : M1709-02 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PSHQ-SOIL

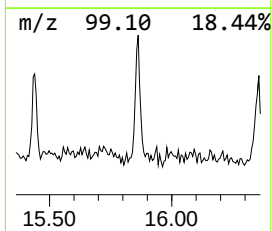
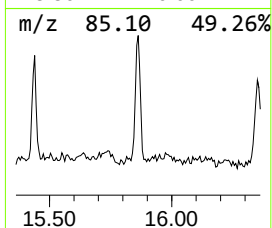
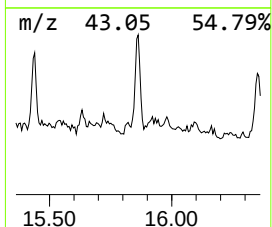
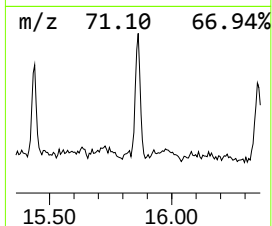
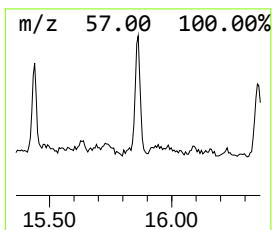
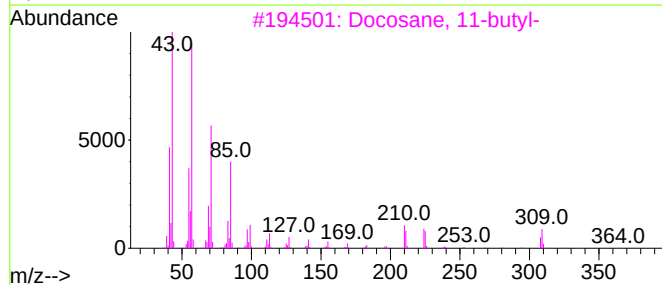
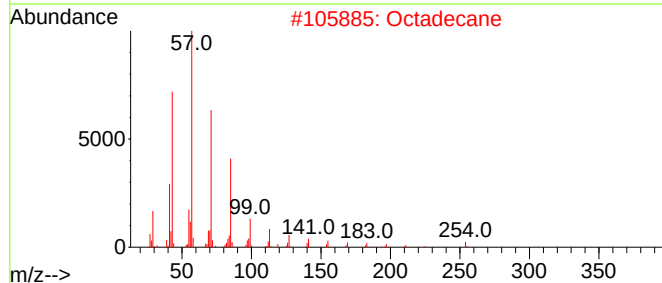
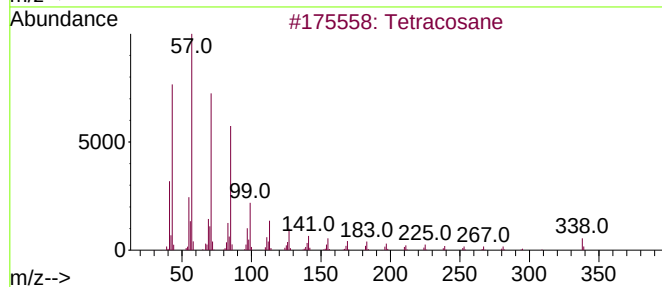
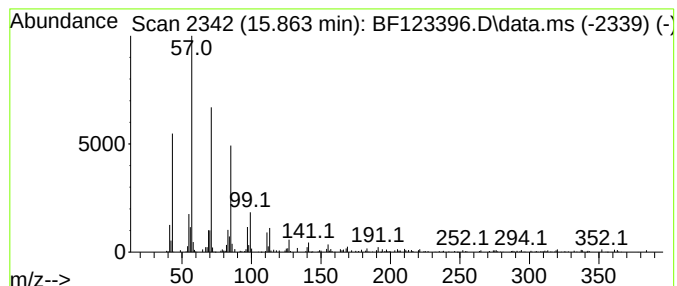
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Docosane, 11-butyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.863	6.04 ng	223548	Perylene-d12	15.410

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetracosane	338	C24H50	000646-31-1	93
2		Octadecane	254	C18H38	000593-45-3	90
3		Docosane, 11-butyl-	366	C26H54	013475-76-8	86
4		Heptadecane	240	C17H36	000629-78-7	83
5		Tridecane, 3-methyl-	198	C14H30	006418-41-3	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
Data File : BF123396.D
Acq On : 18 Mar 2021 22:02
Operator : JU/CG
Sample : M1709-02 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PSHQ-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031721.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
1,1'-Biphenyl, ...	9.145	10.2	ng	855456	3	9.828	1676340	20.0
Hexadecane	10.263	2.1	ng	176895	3	9.828	1676340	20.0
Undecane, 3,5-d...	10.480	2.1	ng	179411	3	9.828	1676340	20.0
Sulfurous acid,...	11.186	3.9	ng	245467	4	11.316	1247270	20.0
Heptadecane	11.216	4.4	ng	276214	4	11.316	1247270	20.0
2-Bromo dodecane	11.610	3.5	ng	215391	4	11.316	1247270	20.0
Hexadecanoic ac...	11.710	2.5	ng	153379	4	11.316	1247270	20.0
n-Hexadecanoic ...	11.851	7.2	ng	449003	4	11.316	1247270	20.0
Tetracosane	12.022	3.0	ng	184791	4	11.316	1247270	20.0
Dodecane, 2-met...	12.410	5.0	ng	313220	4	11.316	1247270	20.0
Oleic Acid	12.557	12.0	ng	750450	4	11.316	1247270	20.0
Octadecanoic acid	12.639	3.2	ng	197500	4	11.316	1247270	20.0
Heptacosane	12.780	2.1	ng	120309	5	13.963	1163870	20.0
Oxalic acid, is...	13.816	7.4	ng	431445	5	13.963	1163870	20.0
Octadecane	14.433	2.5	ng	142748	5	13.963	1163870	20.0
1-Heneicosanol	14.457	7.4	ng	428585	5	13.963	1163870	20.0
1,3-Benzenedica...	14.592	3.9	ng	223848	5	13.963	1163870	20.0
Heneicosane	14.739	3.4	ng	126134	6	15.410	740498	20.0
Heptadecane, 9-...	15.069	6.5	ng	240802	6	15.410	740498	20.0
Docosane, 11-bu...	15.863	6.0	ng	223548	6	15.410	740498	20.0