

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092418\
 Data File : BF109257.D
 Acq On : 24 Sep 2018 10:46
 Operator : JU/SJ
 Sample : J5021-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-C

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 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-BF092218.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.893	473	477	485	rVB	63639	80086	4.07%	0.357%
2	5.316	544	549	552	rBV	1952901	1773620	90.08%	7.917%
3	5.651	604	606	612	rVB	22619	21274	1.08%	0.095%
4	6.346	719	724	732	rBV	2022784	1968894	100.00%	8.789%
5	6.475	742	746	749	rBV	2231954	1908595	96.94%	8.520%
6	6.704	782	785	789	rBV	820414	673450	34.20%	3.006%
7	6.863	808	812	815	rBV	1700652	1331221	67.61%	5.942%
8	7.263	876	880	883	rBV	1264876	1188914	60.38%	5.307%
9	7.987	999	1003	1006	rBV	1099498	877330	44.56%	3.916%
10	9.063	1182	1186	1189	rBV	2225485	1800049	91.42%	8.035%
11	9.457	1249	1253	1256	rBV	870004	645864	32.80%	2.883%
12	9.739	1297	1301	1304	rVB	1110015	1002556	50.92%	4.475%
13	10.522	1430	1434	1437	rBV	1577164	1393832	70.79%	6.222%
14	11.210	1548	1551	1555	rBV	1112138	1038759	52.76%	4.637%
15	11.751	1639	1643	1652	rBV	160669	214691	10.90%	0.958%
16	12.416	1753	1756	1761	rVB	74229	67314	3.42%	0.300%
17	12.533	1773	1776	1780	rBV2	47005	47024	2.39%	0.210%
18	12.645	1791	1795	1798	rVB	49243	55182	2.80%	0.246%
19	12.739	1808	1811	1814	rBV	168562	155914	7.92%	0.696%
20	12.792	1816	1820	1824	rVV	1861353	1702590	86.47%	7.600%
21	13.069	1864	1867	1870	rVB	68480	56418	2.87%	0.252%
22	13.098	1870	1872	1878	rVB	29139	29596	1.50%	0.132%
23	13.363	1914	1917	1922	rBV2	102373	113601	5.77%	0.507%
24	13.698	1971	1974	1982	rBV	224112	302960	15.39%	1.352%
25	13.839	1993	1998	2001	rBV	913143	883057	44.85%	3.942%
26	14.021	2026	2029	2032	rBV	58050	54413	2.76%	0.243%
27	14.139	2047	2049	2055	rVB4	37938	39680	2.02%	0.177%
28	14.327	2077	2081	2085	rBV	133379	150905	7.66%	0.674%
29	14.621	2127	2131	2137	rVB	241127	250413	12.72%	1.118%
30	14.692	2139	2143	2147	rVB	83453	88683	4.50%	0.396%
31	14.933	2180	2184	2189	rBV	359500	403513	20.49%	1.801%
32	15.239	2231	2236	2240	rBV	675989	766843	38.95%	3.423%
33	15.286	2240	2244	2249	rVB	347347	444599	22.58%	1.985%
34	15.686	2307	2312	2317	rBV	249233	386719	19.64%	1.726%

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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

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Peak separation: 5

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35	15.745	2318	2322	2334	rVB10	37304	106841	5.43%	0.477%
36	16.151	2385	2391	2401	rBV2	118130	250478	12.72%	1.118%
37	16.292	2413	2415	2423	rVB6	28935	51653	2.62%	0.231%
38	16.692	2479	2483	2490	rVB4	39164	75086	3.81%	0.335%

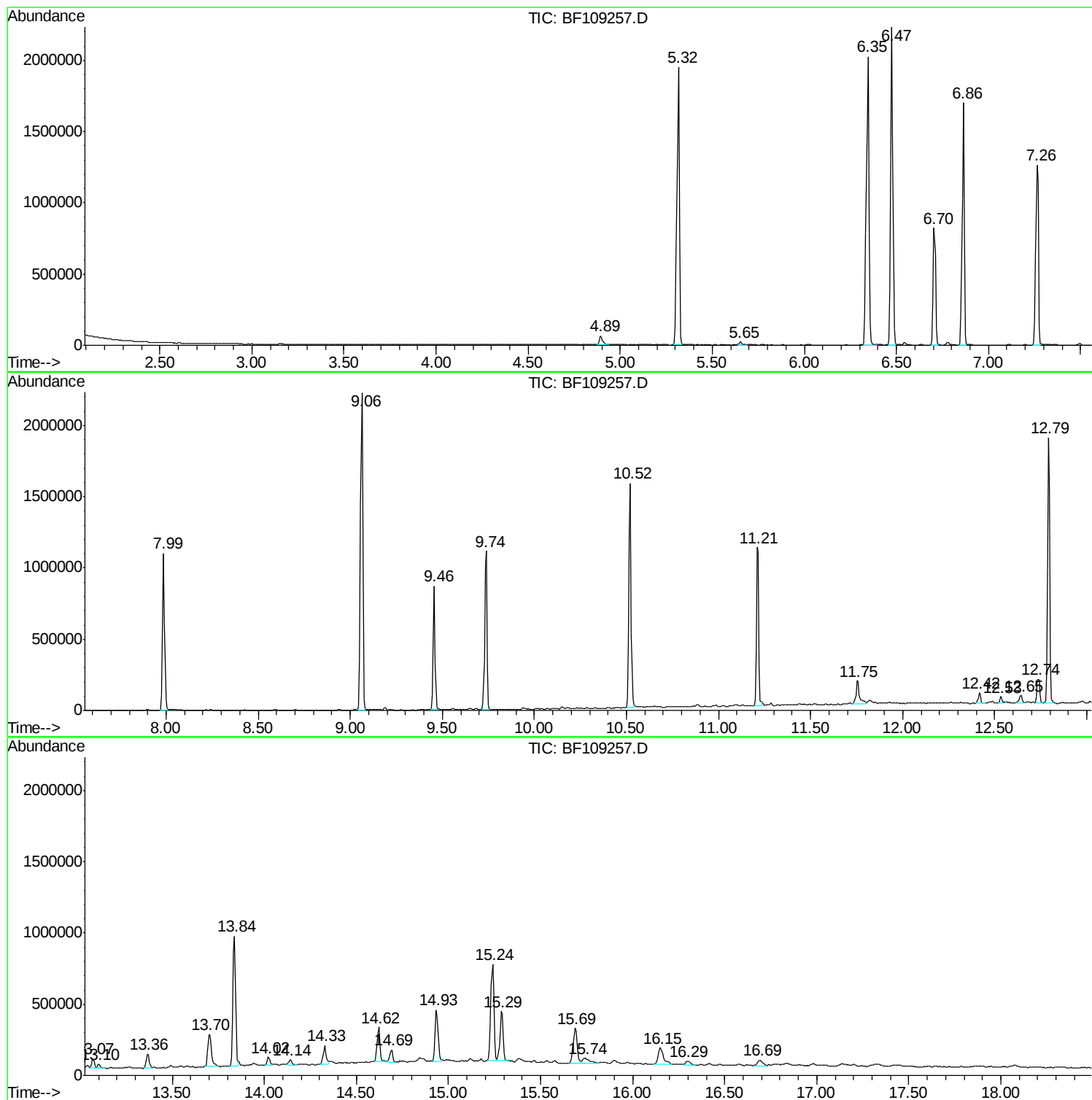
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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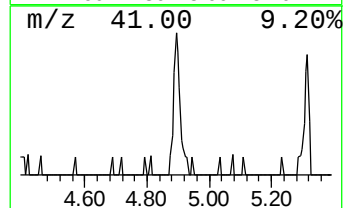
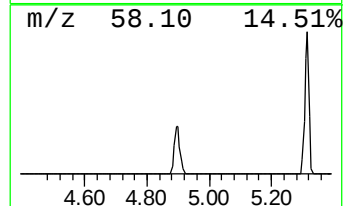
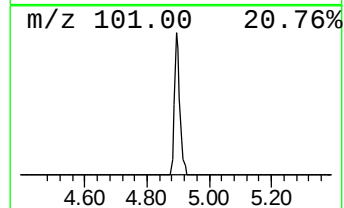
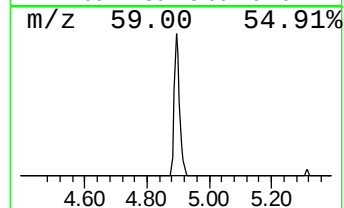
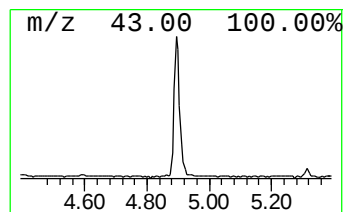
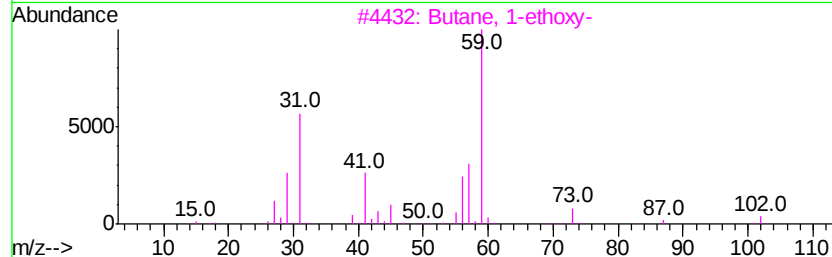
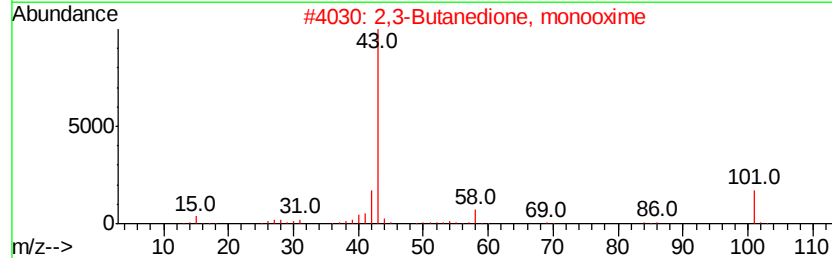
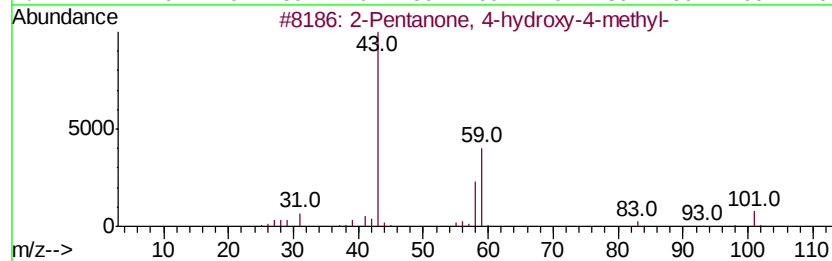
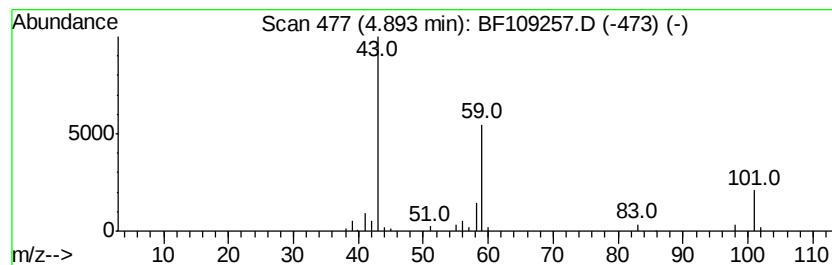
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.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.
4.89	2.38 ng	80086	1,4-Dichlorobenzene-d4	6.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3		Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
5		5-Hexen-2-one	98	C6H10O	000109-49-9	9



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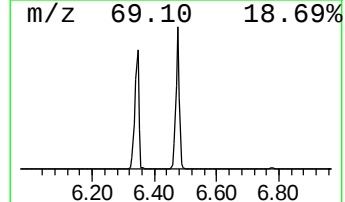
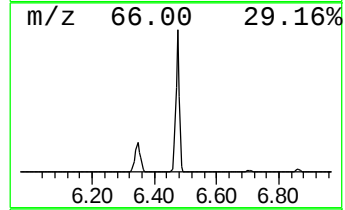
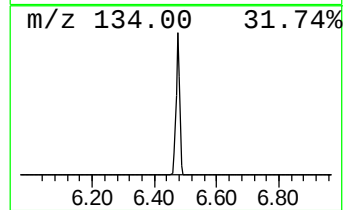
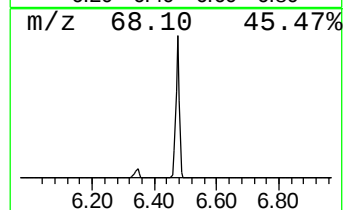
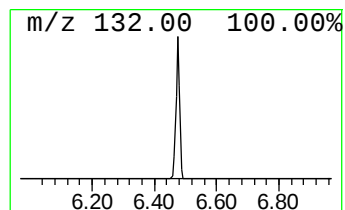
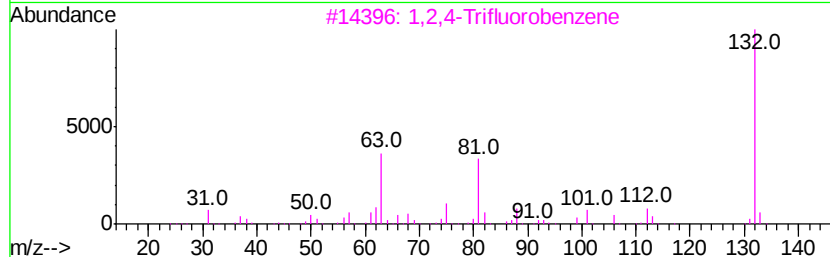
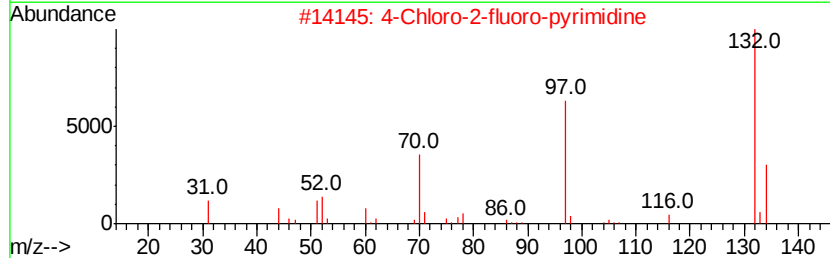
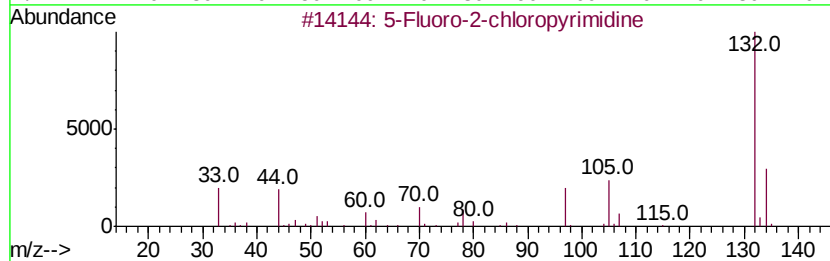
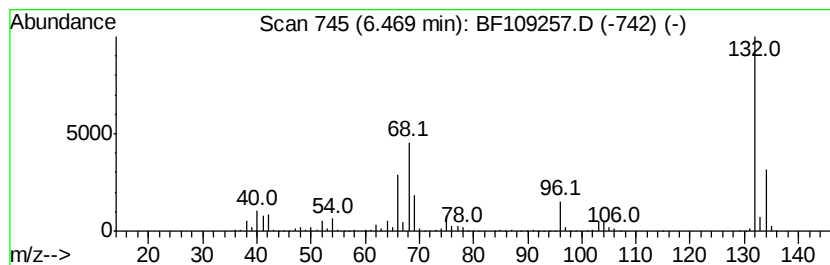
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Peak Number 2 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	56.68 ng	1908600	1,4-Dichlorobenzene-d4	6.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
2			4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
3			1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
4			Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5			1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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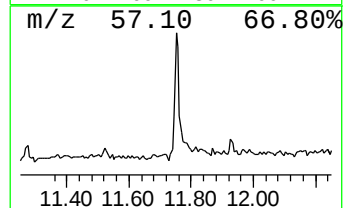
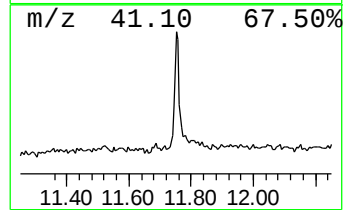
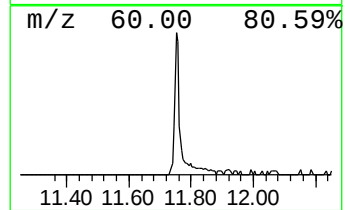
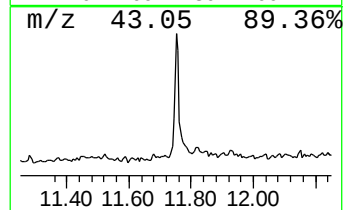
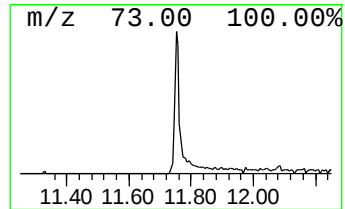
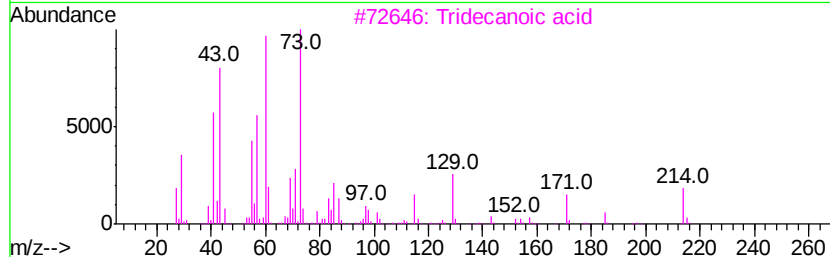
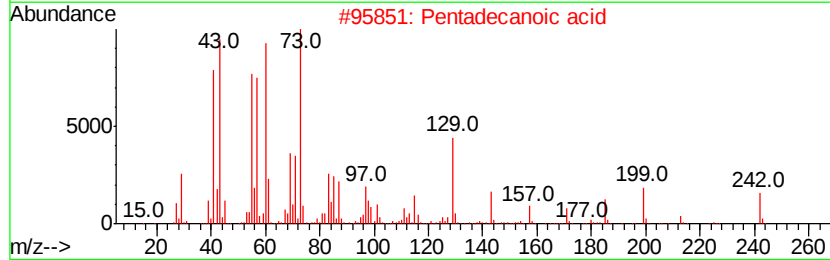
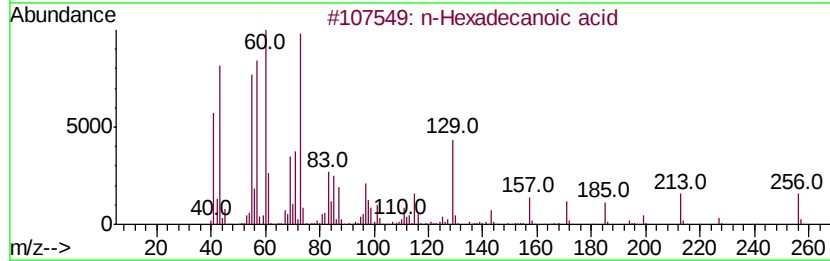
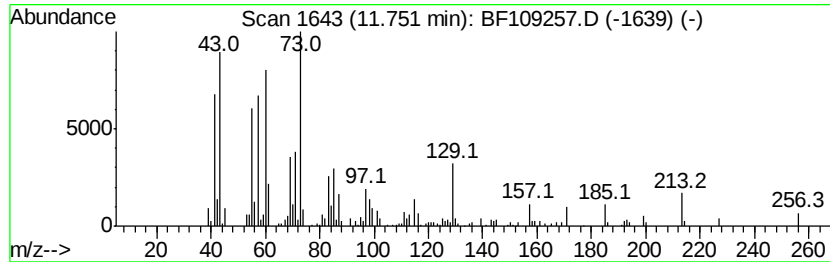
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.75	4.13 ng	214691	Phenanthrene-d10	11.21	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Tridecanoic acid	214	C13H26O2	000638-53-9	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	25



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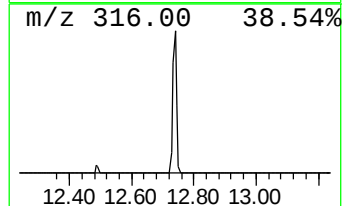
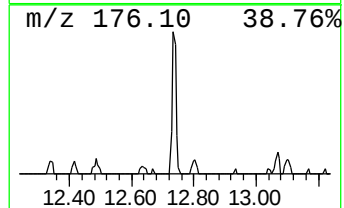
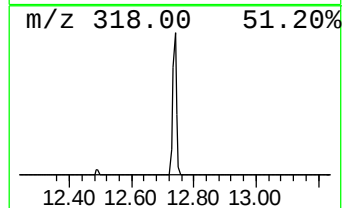
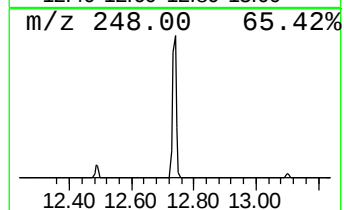
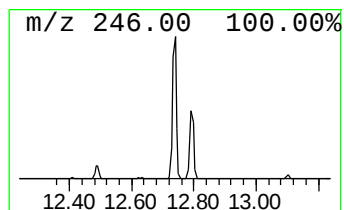
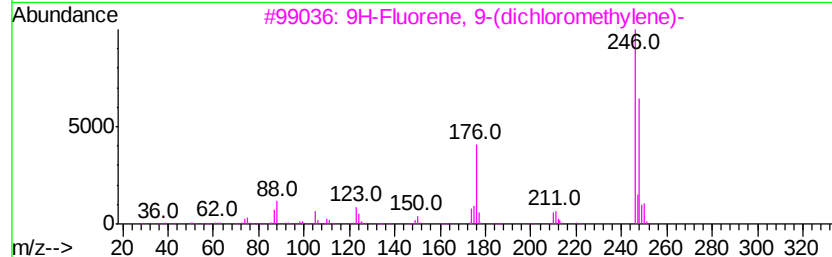
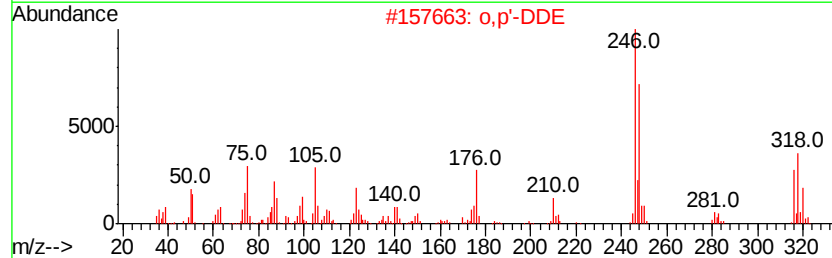
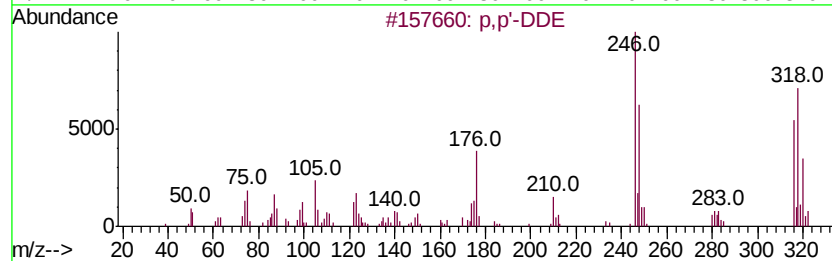
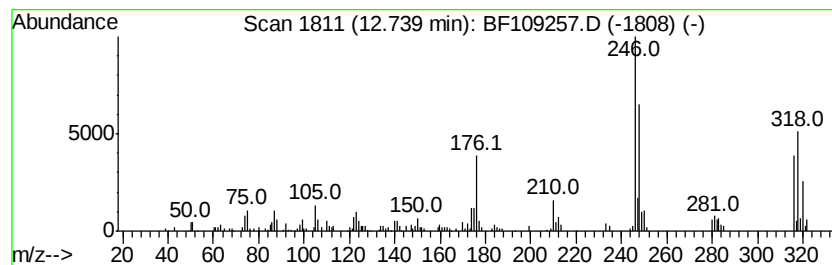
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Peak Number 5 p,p'-DDE Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	3.53 ng	155914	Chrysene-d12	13.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p,p'-DDE	316	C14H8Cl4	000072-55-9	99
2		o,p'-DDE	316	C14H8Cl4	003424-82-6	95
3		9H-Fluorene, 9-(dichloromethylene)-	246	C14H8Cl2	000835-17-6	92
4		Anthracene, 1,8-dichloro-	246	C14H8Cl2	014381-66-9	91
5		Benzene, 1,1'-(1,2-dichloro-1,2-...	316	C14H8Cl4	088970-69-8	91



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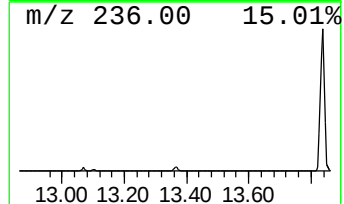
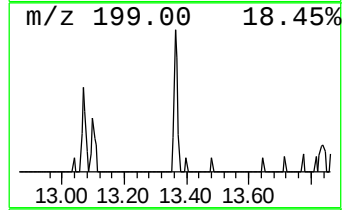
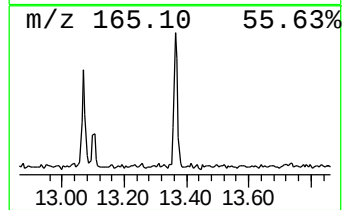
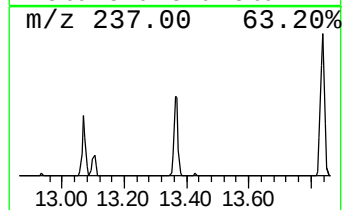
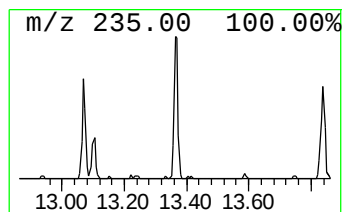
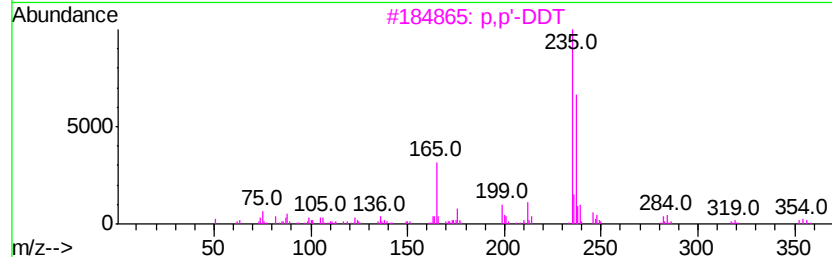
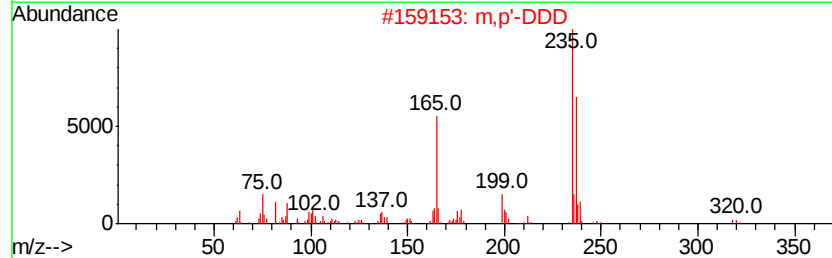
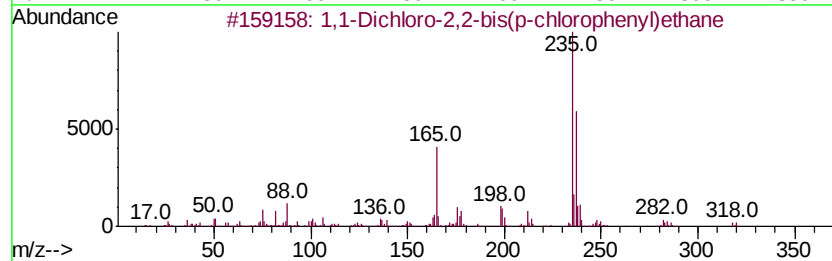
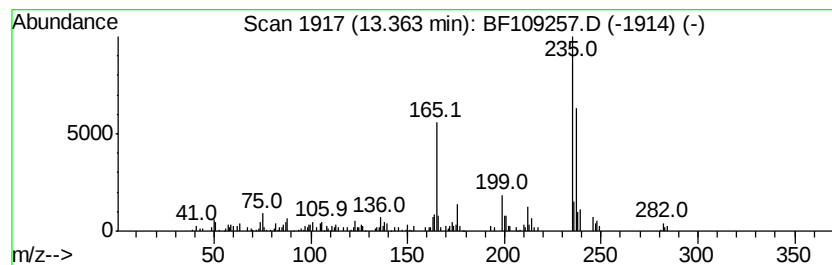
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 1,1-Dichloro-2,2-bis(p-chlo... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	2.57 ng	113601	Chrysene-d12	13.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1-Dichloro-2,2-bis(p-chlorophe...	318	C14H10Cl4	000072-54-8	91
2		m,p'-DDD	318	C14H10Cl4	004329-12-8	87
3		p,p'-DDT	352	C14H9Cl5	000050-29-3	87
4		2,2-Bis(p-chlorophenyl)ethanol	266	C14H12Cl2O	002642-82-2	83
5		3-Butanone, 1,1-bis(4-chlorophen...	320	C18H18Cl2O	1000158-20-4	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109257.D
Acq On : 24 Sep 2018 10:46
Operator : JU/SJ
Sample : J5021-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LS-SOIL-C

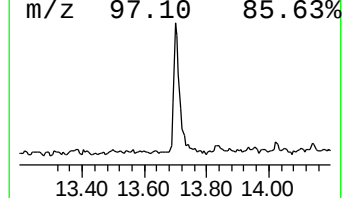
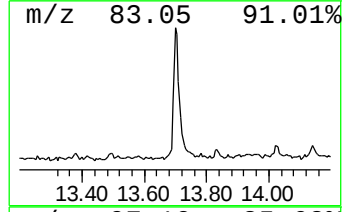
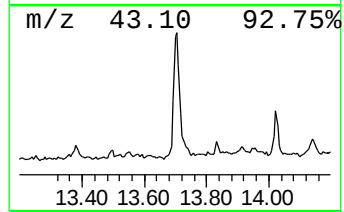
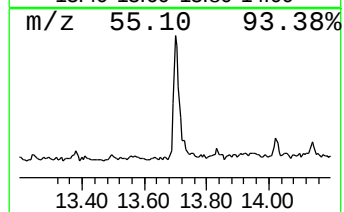
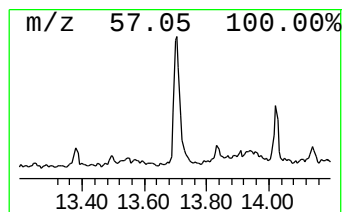
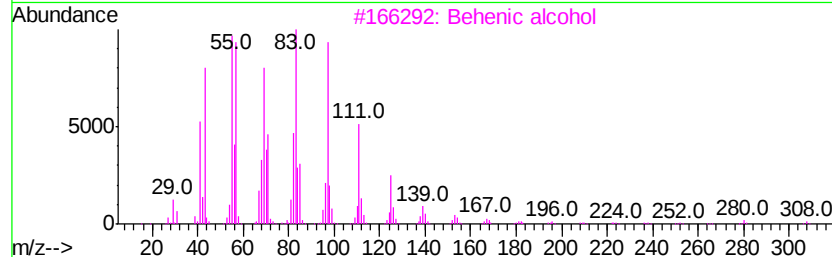
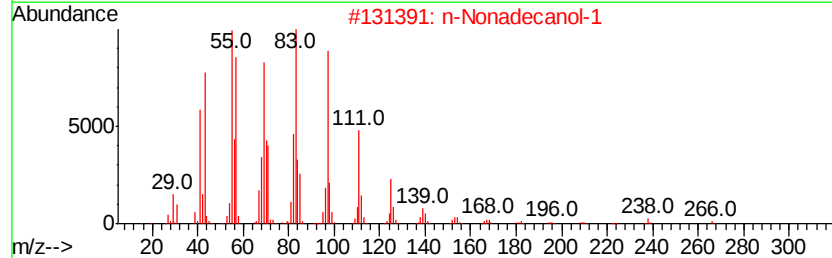
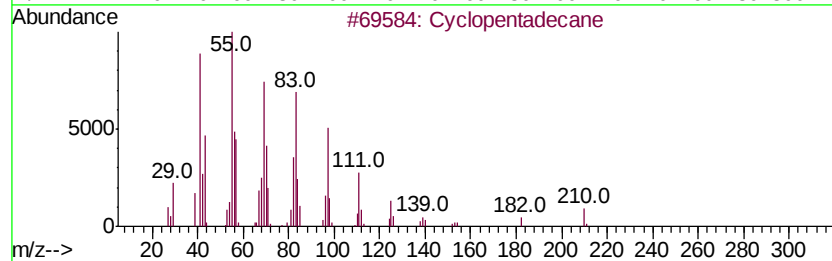
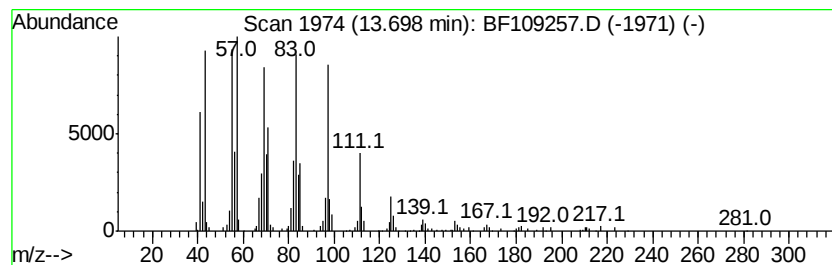
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Cyclopentadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	6.86 ng	302960	Chrysene-d12	13.84

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentadecane	210	C15H30	000295-48-7	97
2		n-Nonadecanol-1	284	C19H40O	001454-84-8	95
3		Behenic alcohol	326	C22H46O	000661-19-8	94
4		n-Tetracosanol-1	354	C24H50O	000506-51-4	94
5		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
 Data File : BF109257.D
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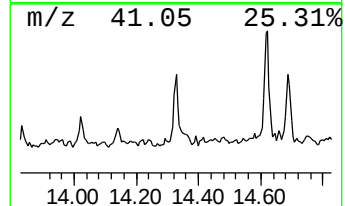
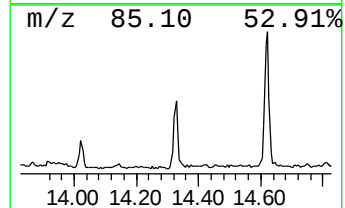
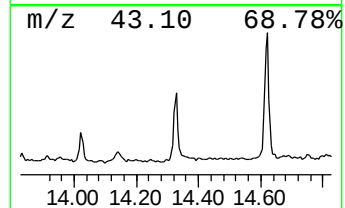
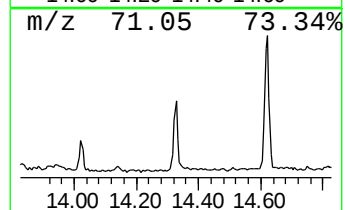
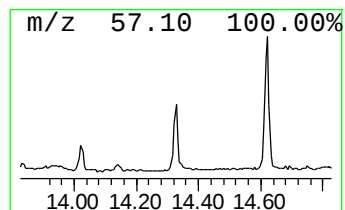
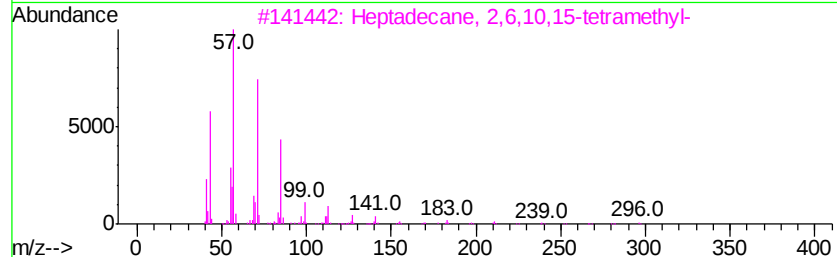
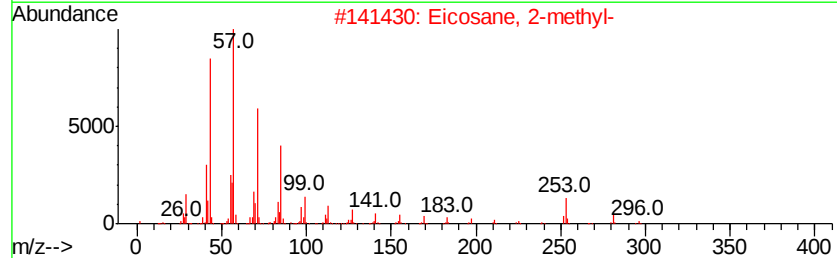
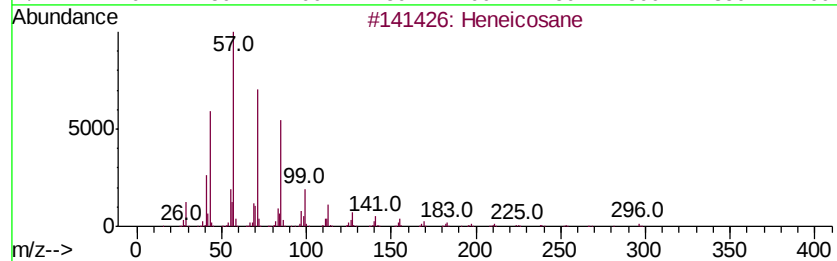
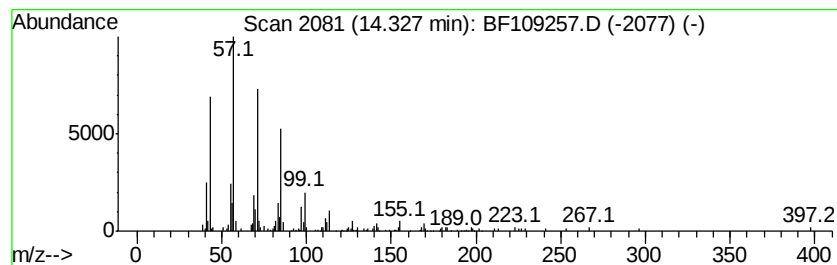
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 8 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	3.42 ng	150905	Chrysene-d12	13.84

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	97
2	Eicosane, 2-methyl-		296	C21H44	001560-84-5	93
3	Heptadecane, 2,6,10,15-tetramethyl-		296	C21H44	054833-48-6	91
4	Hentriacontane		437	C31H64	000630-04-6	91
5	Octacosane		394	C28H58	000630-02-4	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109257.D
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Operator : JU/SJ
Sample : J5021-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

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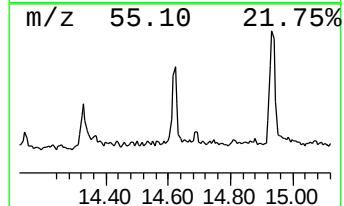
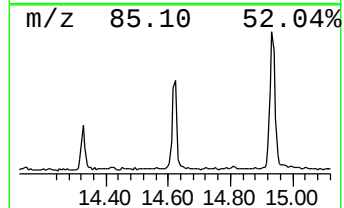
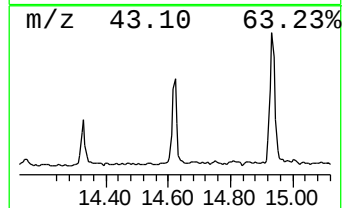
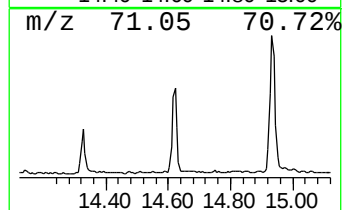
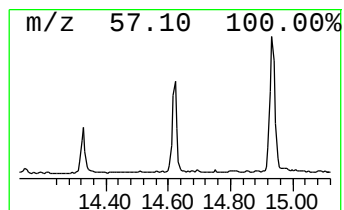
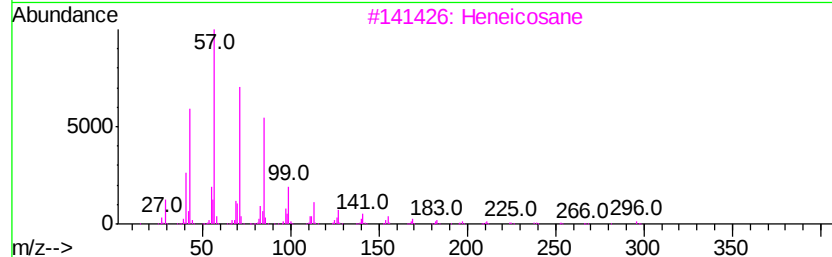
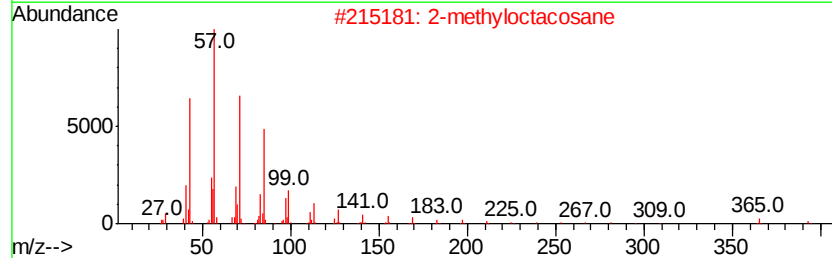
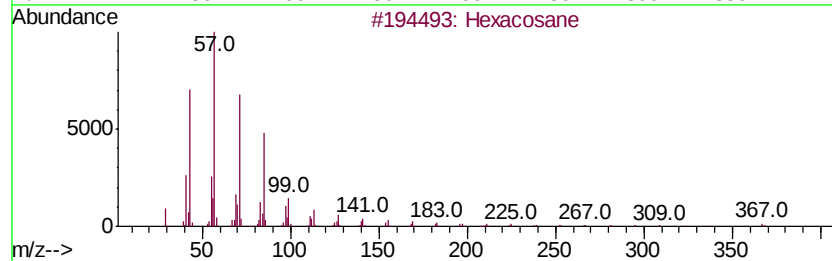
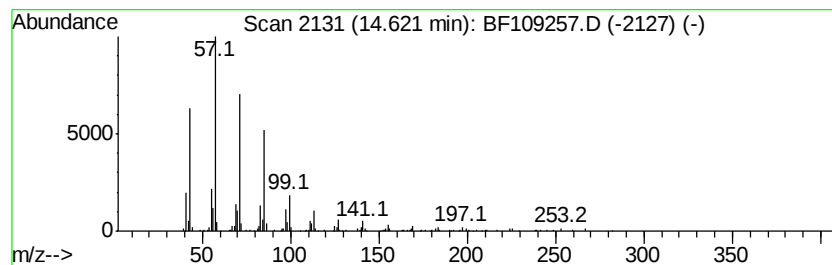
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	6.53 ng	250413	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	91
2		2-methyloctacosane	408	C29H60	1000376-72-8	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Hexadecane	226	C16H34	000544-76-3	87
5		Heptacosane	380	C27H56	000593-49-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
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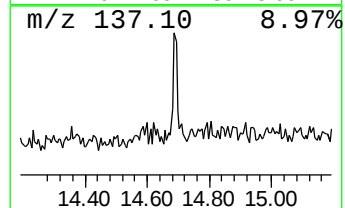
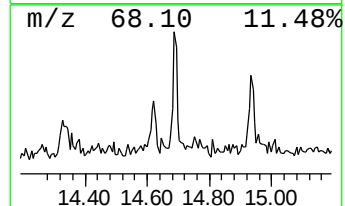
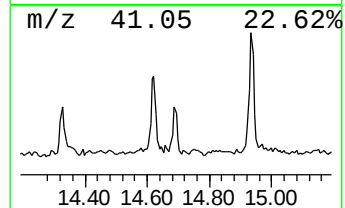
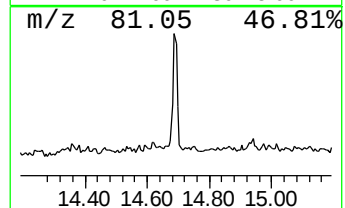
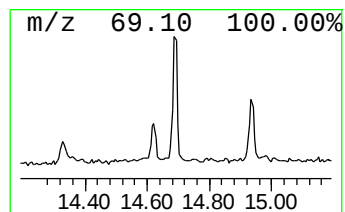
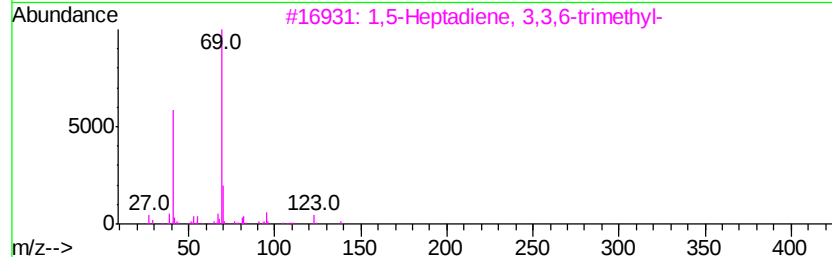
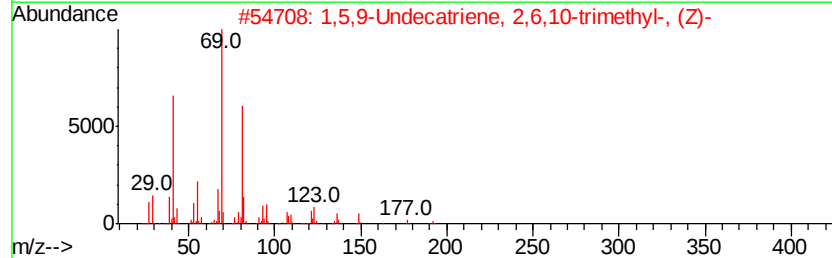
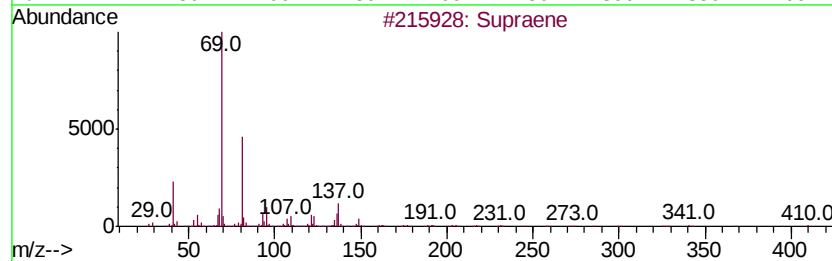
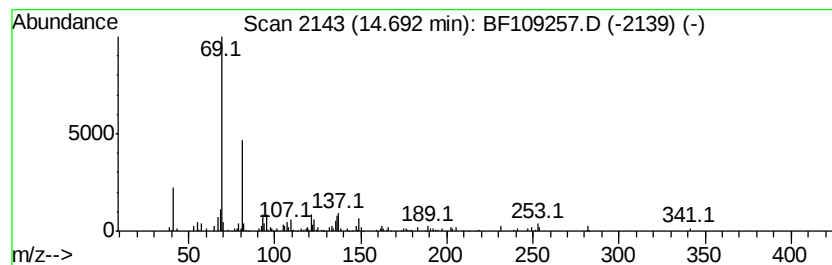
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 10 Supraene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	2.31 ng	88683	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Supraene	410	C30H50	007683-64-9	74
2		1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	64
3		1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	58
4		1,6-Octadiene, 3,5-dimethyl-, tr...	138	C10H18	074630-87-8	53
5		2,3,5-Trimethyl-2,3,5-hexanetric...	203	C12H17N3	003974-79-6	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
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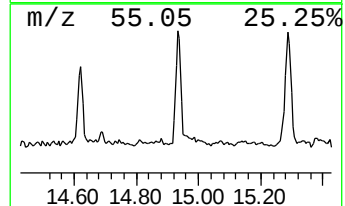
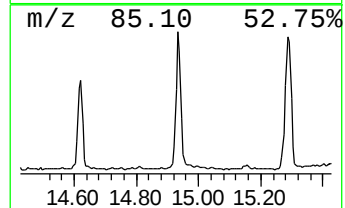
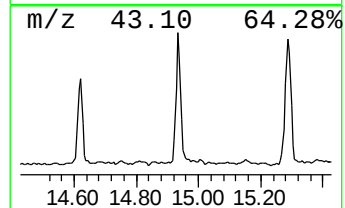
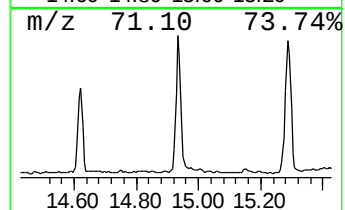
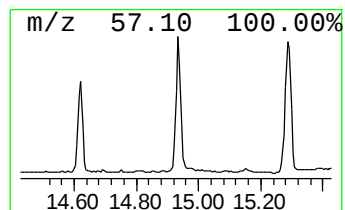
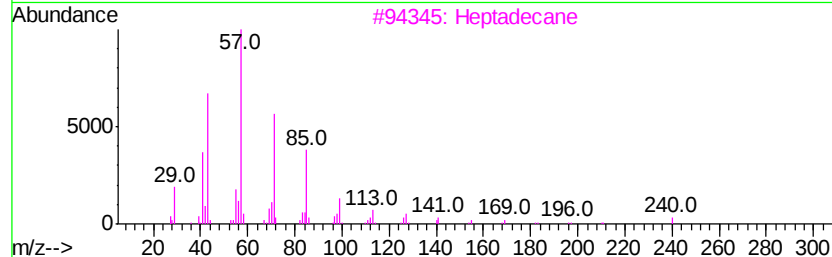
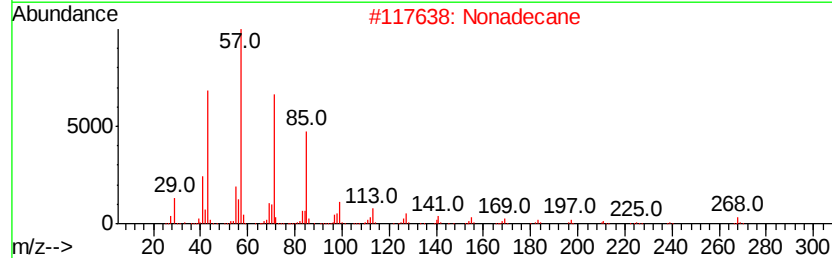
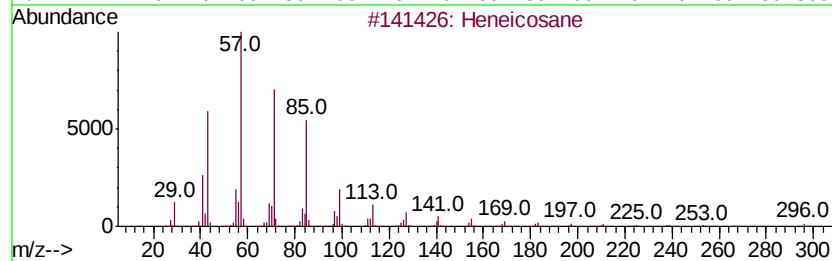
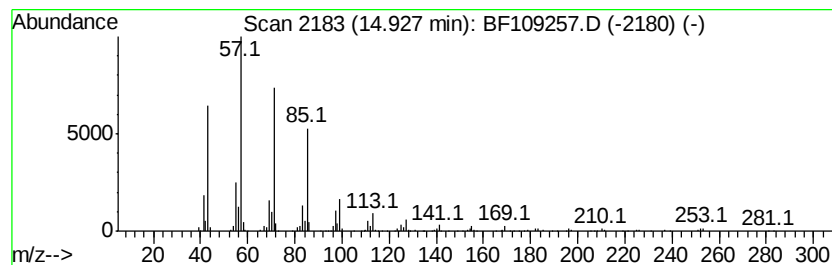
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Nonadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	10.52 ng	403513	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Nonadecane	268	C19H40	000629-92-5	90
3		Heptadecane	240	C17H36	000629-78-7	90
4		Tetracosane	338	C24H50	000646-31-1	90
5		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
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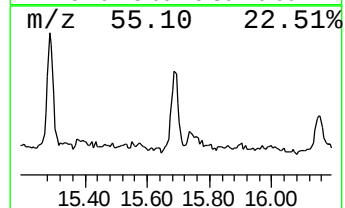
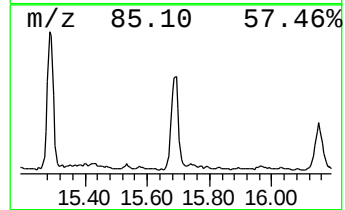
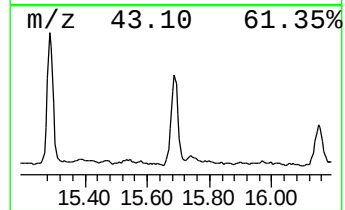
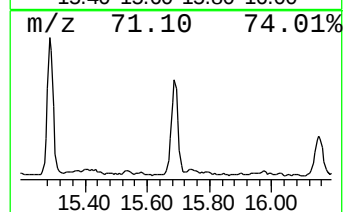
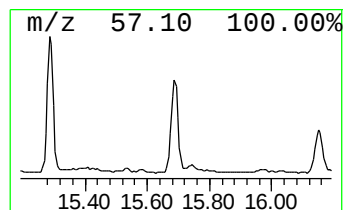
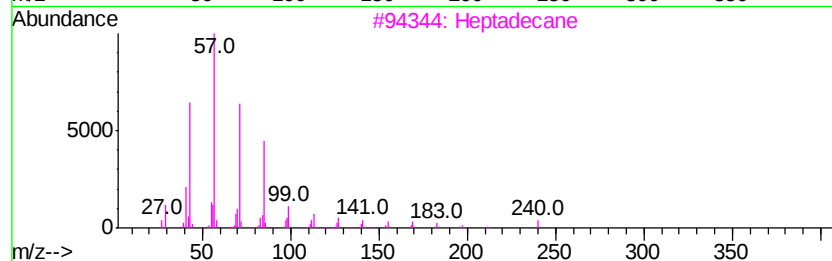
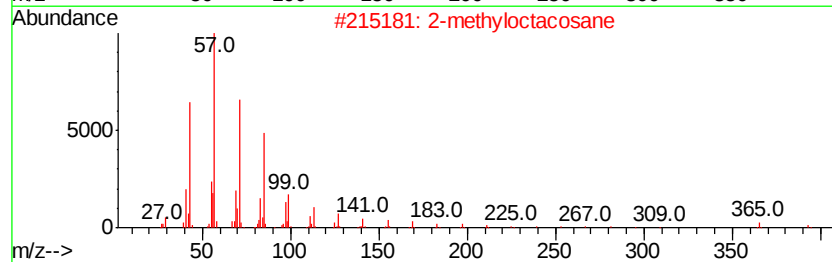
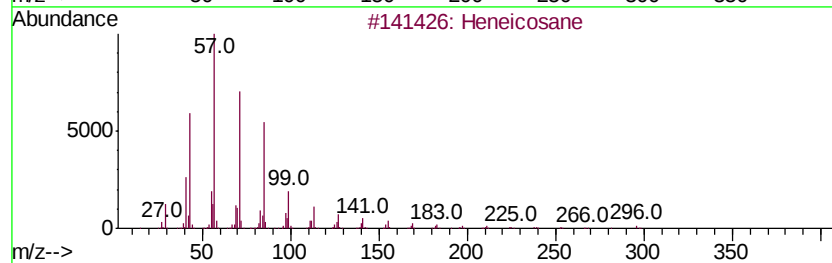
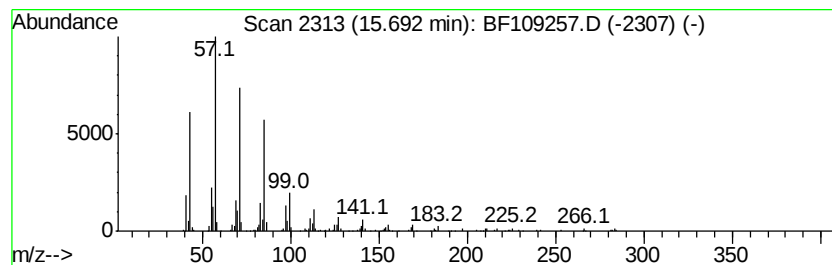
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 2-methyloctacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	10.09 ng	386719	Perylene-d12	15.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		2-methyloctacosane	408	C29H60	1000376-72-8	91
3		Heptadecane	240	C17H36	000629-78-7	91
4		Octacosane	394	C28H58	000630-02-4	91
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91



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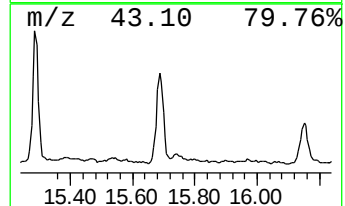
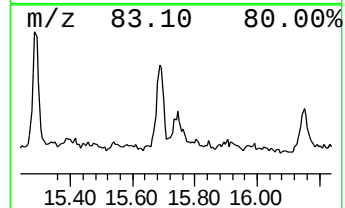
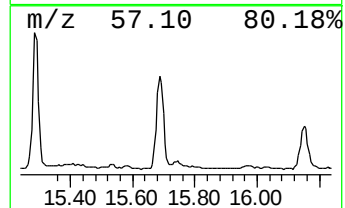
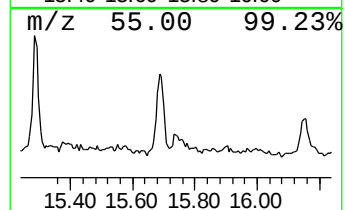
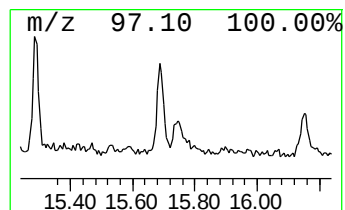
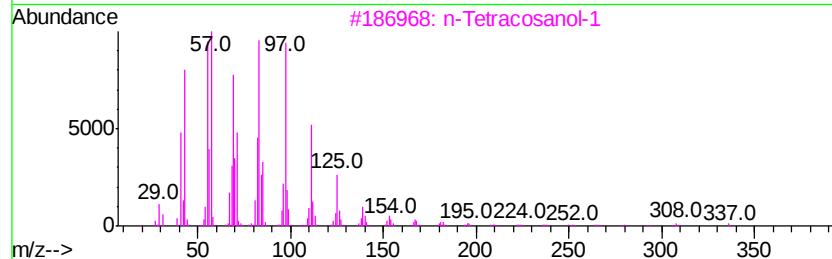
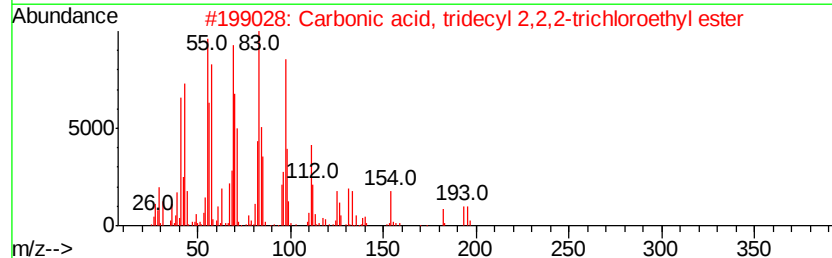
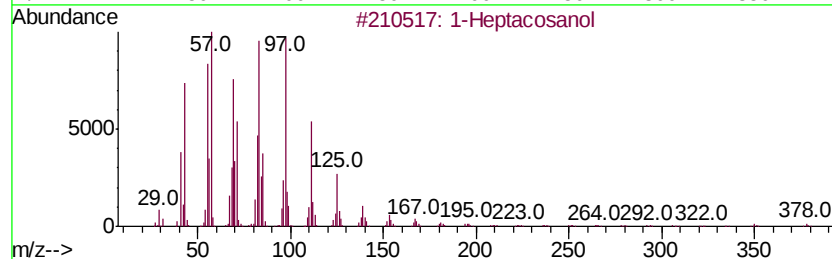
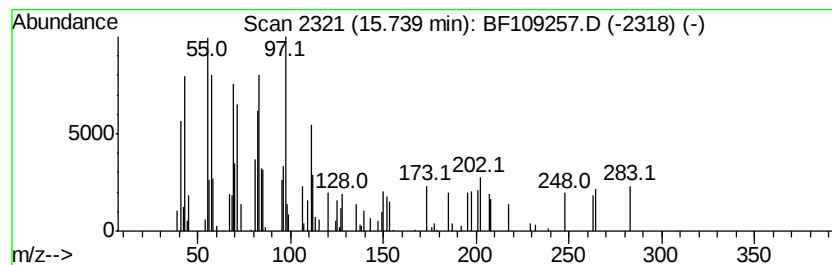
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ClientSampleId :
LS-SOIL-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1-Heptacosanol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	2.79 ng	106841	Perylene-d12	15.24
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Heptacosanol	396 C27H56O	002004-39-9 64
2		Carbonic acid, tridecyl 2,2,2-tr...	374 C16H29Cl3O3	1000314-55-9 58
3		n-Tetracosanol-1	354 C24H50O	000506-51-4 53
4		Octacosanol	410 C28H58O	000557-61-9 46
5		3-Hexene, 2,2-dimethyl-, (E)-	112 C8H16	000690-93-7 38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109257.D
Acq On : 24 Sep 2018 10:46
Operator : JU/SJ
Sample : J5021-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-SOIL-C

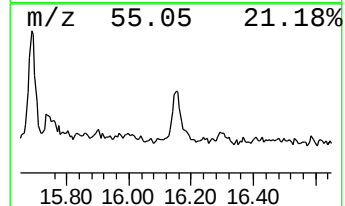
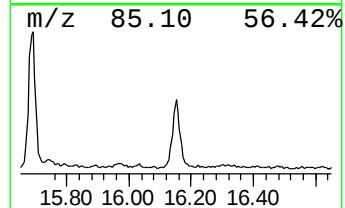
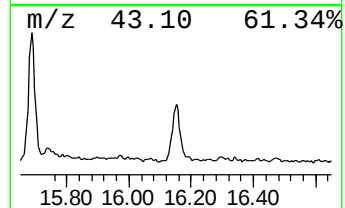
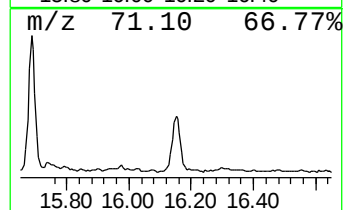
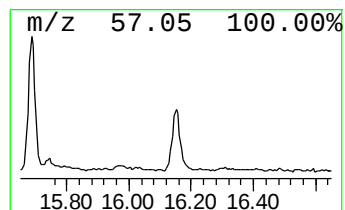
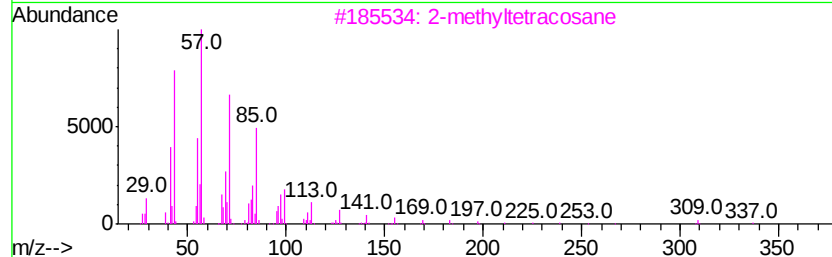
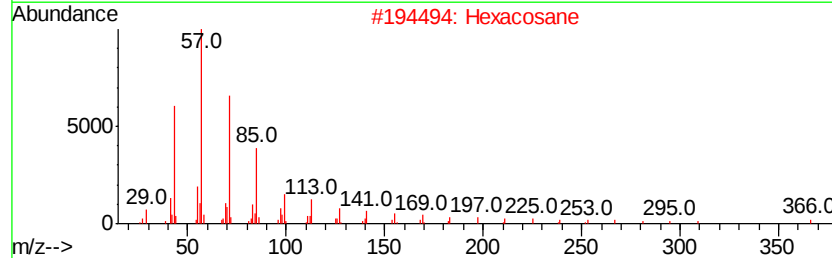
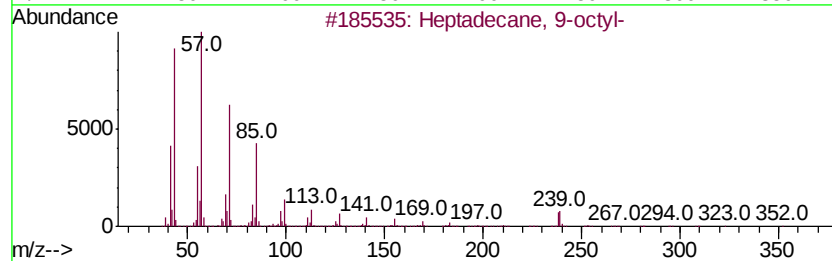
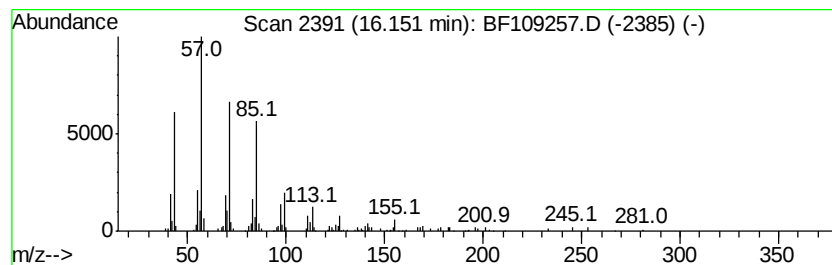
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Heptadecane, 9-octyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.15	6.53 ng	250478	Perylene-d12	15.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
2			Hexacosane	366	C26H54	000630-01-3	90
3			2-methyltetracosane	352	C25H52	1000376-72-6	90
4			Heptacosane	380	C27H56	000593-49-7	90
5			Octadecane, 1-iodo-	380	C18H37I	000629-93-6	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092418\
 Data File : BF109257.D
 Acq On : 24 Sep 2018 10:46
 Operator : JU/SJ
 Sample : J5021-09
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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
2-Pentanone, 4-hy...	4.89	2.4	ng	80086	1	6.70	673450	20.0
unknown6.47	6.47	56.7	ng	1908600	1	6.70	673450	20.0
n-Hexadecanoic acid	11.75	4.1	ng	214691	4	11.21	1038760	20.0
p,p'-DDE	12.74	3.5	ng	155914	5	13.84	883057	20.0
1,1-Dichloro-2,2-...	13.36	2.6	ng	113601	5	13.84	883057	20.0
Cyclopentadecane	13.70	6.9	ng	302960	5	13.84	883057	20.0
Heneicosane	14.33	3.4	ng	150905	5	13.84	883057	20.0
Hexacosane	14.62	6.5	ng	250413	6	15.24	766843	20.0
Supraene	14.69	2.3	ng	88683	6	15.24	766843	20.0
Nonadecane	14.93	10.5	ng	403513	6	15.24	766843	20.0
2-methyloctacosane	15.69	10.1	ng	386719	6	15.24	766843	20.0
1-Heptacosanol	15.74	2.8	ng	106841	6	15.24	766843	20.0
Heptadecane, 9-oc...	16.15	6.5	ng	250478	6	15.24	766843	20.0