

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
 Data File : BF111346.D
 Acq On : 13 Dec 2018 2:35
 Operator : JU/SJ
 Sample : J6214-47
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(13-15)

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-BF121218.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	4.516	408	413	420	rVB	124732	146177	2.38%	0.274%
2	5.004	488	496	506	rVB2	222708	317590	5.18%	0.595%
3	5.416	561	566	570	rBV	5383729	5334195	87.00%	9.985%
4	6.434	734	739	757	rBV2	5732811	6131059	100.00%	11.477%
5	6.569	757	762	765	rBV	5575438	5395997	88.01%	10.101%
6	6.798	797	801	804	rBV	1470911	1350604	22.03%	2.528%
7	6.951	823	827	831	rBV	4556068	4225959	68.93%	7.911%
8	7.351	890	895	899	rBV	3209577	3165896	51.64%	5.926%
9	8.075	1015	1018	1022	rBV	1673652	1524167	24.86%	2.853%
10	9.157	1197	1202	1205	rBV	5214664	4788943	78.11%	8.965%
11	9.545	1265	1268	1271	rBV	513076	390385	6.37%	0.731%
12	9.833	1313	1317	1321	rBV	1576165	1414556	23.07%	2.648%
13	10.616	1446	1450	1462	rBV	2714824	2489721	40.61%	4.661%
14	11.316	1565	1569	1571	rBV	1740922	1471447	24.00%	2.755%
15	11.339	1571	1573	1576	rVV	404997	321813	5.25%	0.602%
16	11.386	1576	1581	1585	rVV	178597	171245	2.79%	0.321%
17	11.816	1651	1654	1656	rBV	75490	71636	1.17%	0.134%
18	11.845	1656	1659	1664	rVV	490549	477426	7.79%	0.894%
19	11.892	1664	1667	1670	rVV2	84535	101043	1.65%	0.189%
20	11.927	1670	1673	1675	rVV	136919	152555	2.49%	0.286%
21	11.951	1675	1677	1681	rVB	75732	68618	1.12%	0.128%
22	12.363	1745	1747	1751	rBV	52996	68304	1.11%	0.128%
23	12.451	1759	1762	1768	rVB	62797	75419	1.23%	0.141%
24	12.527	1771	1775	1778	rBV	889780	755348	12.32%	1.414%
25	12.633	1788	1793	1798	rBV2	135273	246258	4.02%	0.461%
26	12.751	1808	1813	1817	rBV	693296	792071	12.92%	1.483%
27	12.804	1820	1822	1828	rVB3	89082	108223	1.77%	0.203%
28	12.904	1835	1839	1842	rBV	3899760	3724619	60.75%	6.972%
29	13.080	1867	1869	1873	rVB	109425	112052	1.83%	0.210%
30	13.145	1877	1880	1883	rVB2	171531	173399	2.83%	0.325%
31	13.186	1884	1887	1890	rVV	99713	92477	1.51%	0.173%
32	13.310	1906	1908	1911	rBV2	58812	76304	1.24%	0.143%
33	13.486	1935	1938	1941	rBV	275890	218510	3.56%	0.409%
34	13.816	1990	1994	2000	rVB	811435	912590	14.88%	1.708%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.951	2012	2017	2020	rBV2	1226547	1451434	23.67%	2.717%
36	13.974	2020	2021	2029	rVB	319751	250627	4.09%	0.469%
37	14.063	2034	2036	2039	rVB2	148589	119256	1.95%	0.223%
38	14.127	2044	2047	2051	rBV	636650	566810	9.24%	1.061%
39	14.433	2096	2099	2102	rVB	688516	546433	8.91%	1.023%
40	14.733	2147	2150	2153	rBV	623891	605798	9.88%	1.134%
41	14.980	2188	2192	2202	rVB2	315010	664161	10.83%	1.243%
42	15.068	2203	2207	2213	rBV2	442907	605623	9.88%	1.134%
43	15.327	2249	2251	2257	rVB	202556	228563	3.73%	0.428%
44	15.392	2258	2262	2266	rVV	639036	797249	13.00%	1.492%
45	15.439	2267	2270	2278	rVB	374963	476655	7.77%	0.892%
46	15.857	2339	2341	2346	rVB	202594	240345	3.92%	0.450%

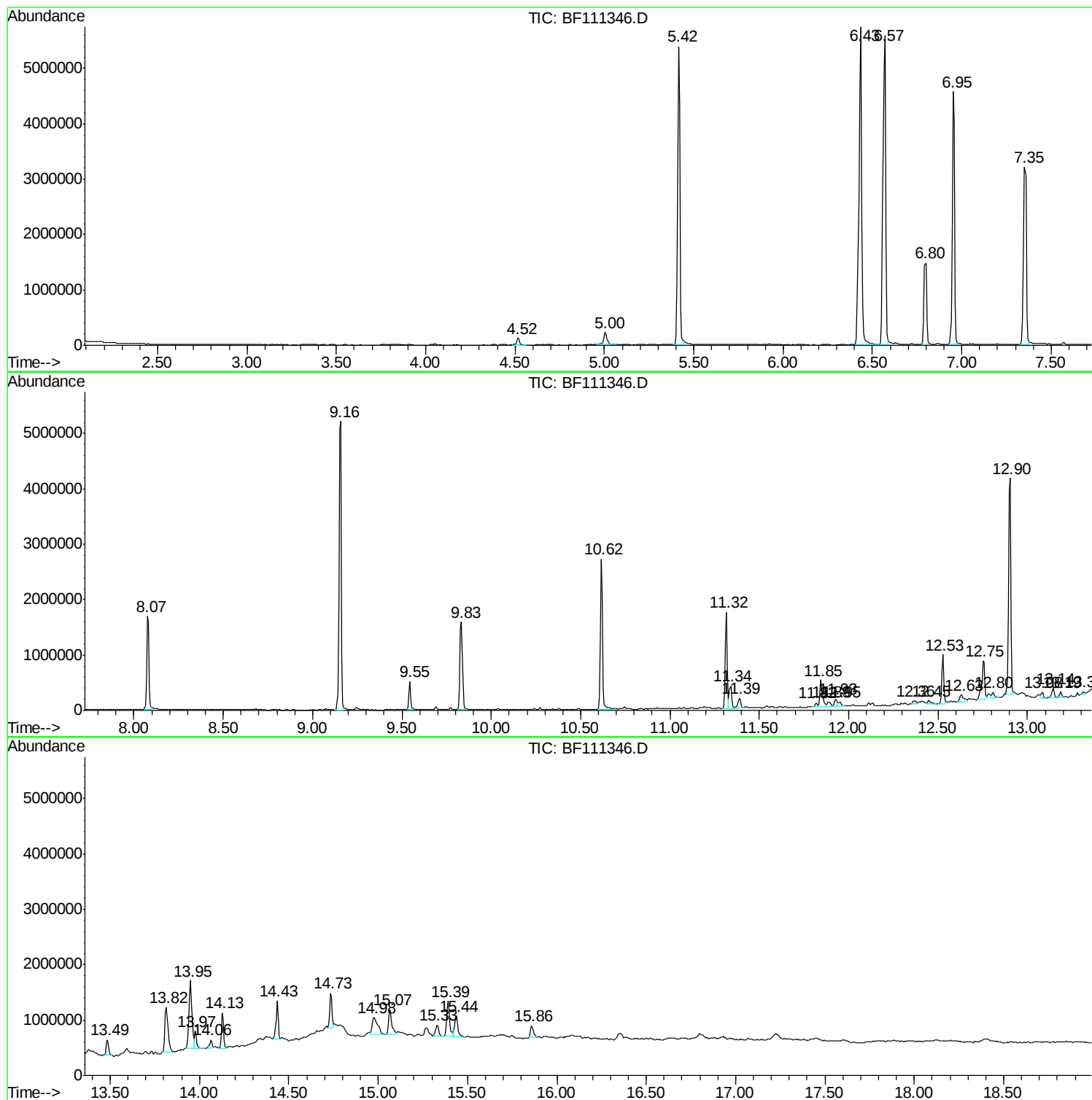
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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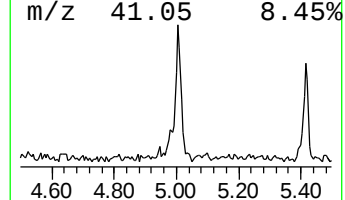
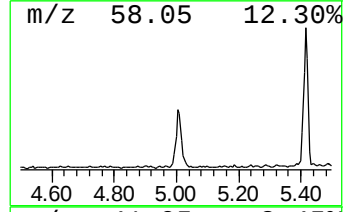
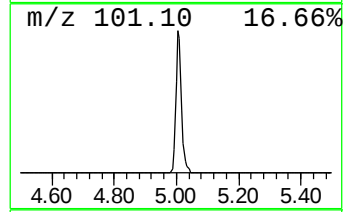
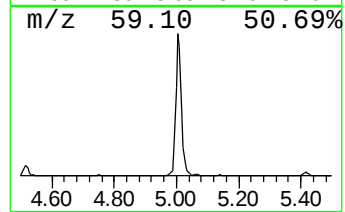
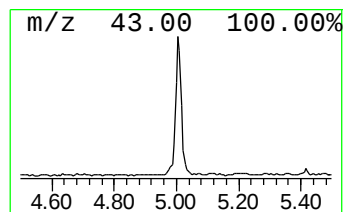
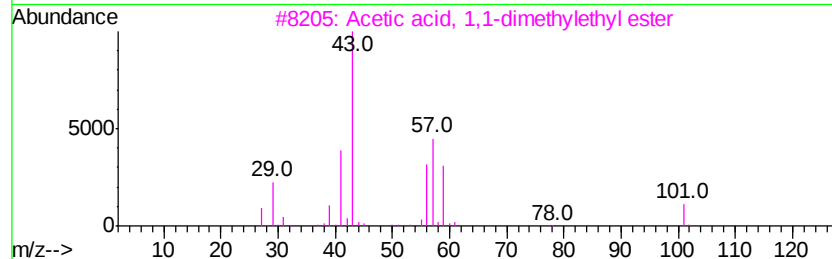
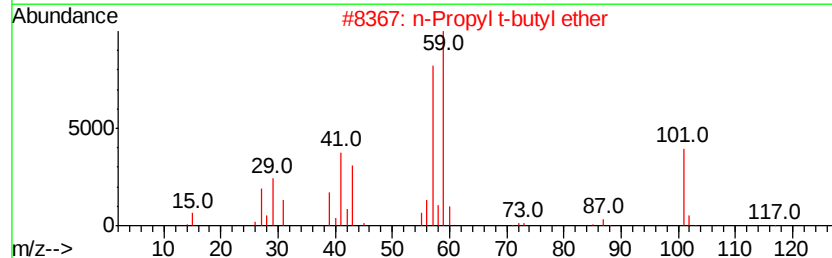
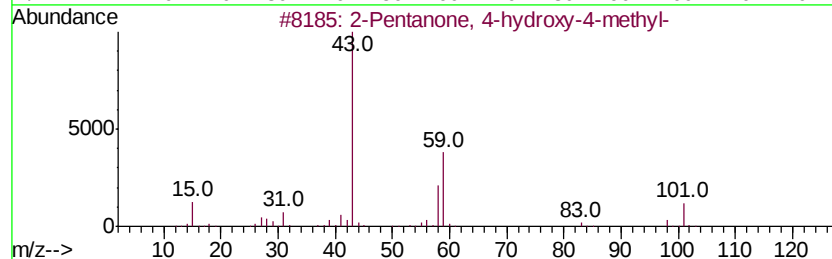
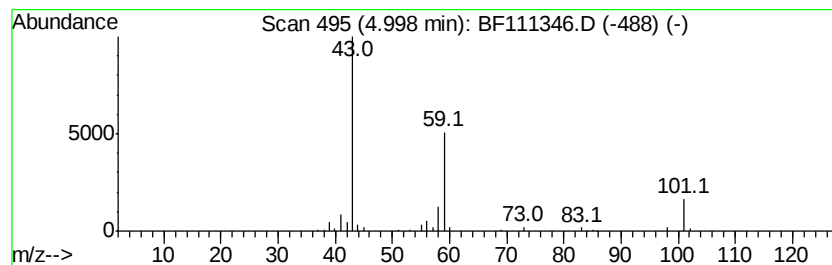
Instrument :
BNA_F
ClientSampled :
SB-6(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.00	4.70 ng	317590	1,4-Dichlorobenzene-d4	6.80	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	33
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	25
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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Instrument :
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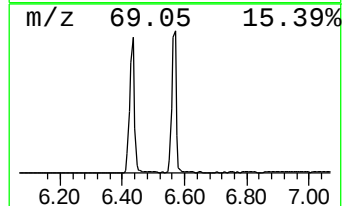
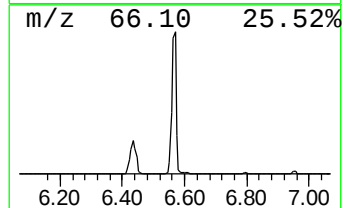
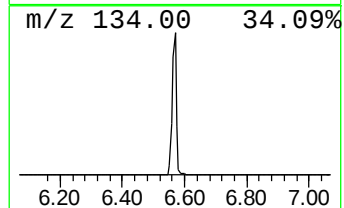
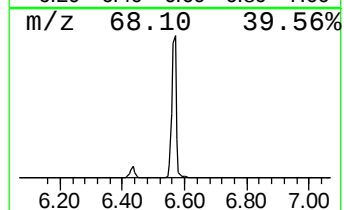
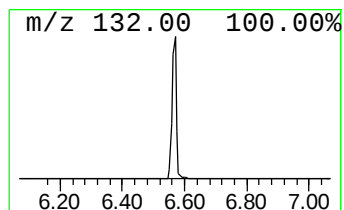
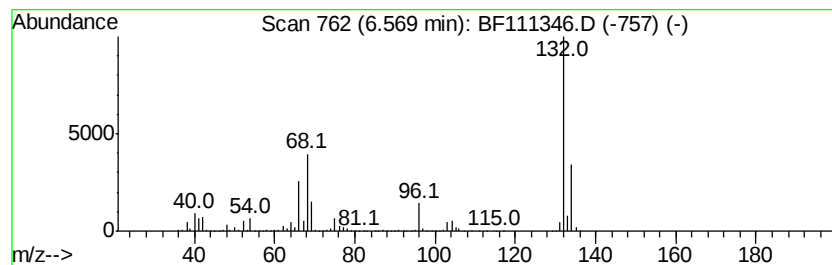
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	79.90 ng	5396000	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranvlcypropane-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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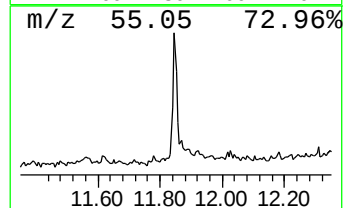
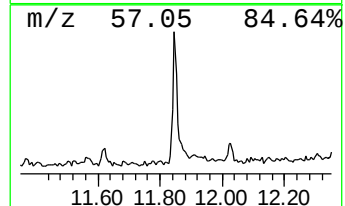
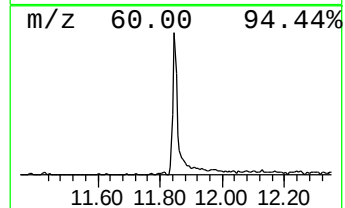
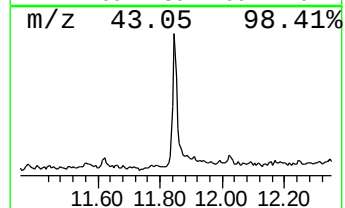
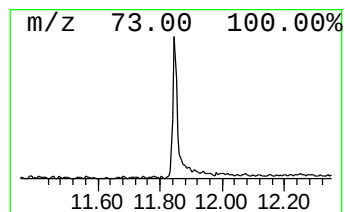
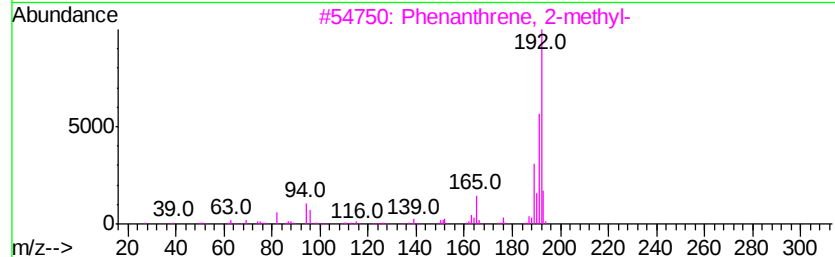
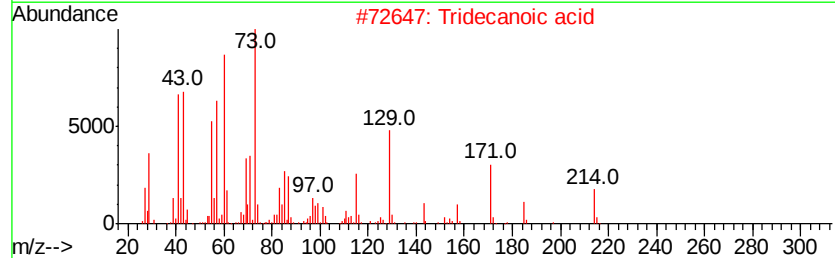
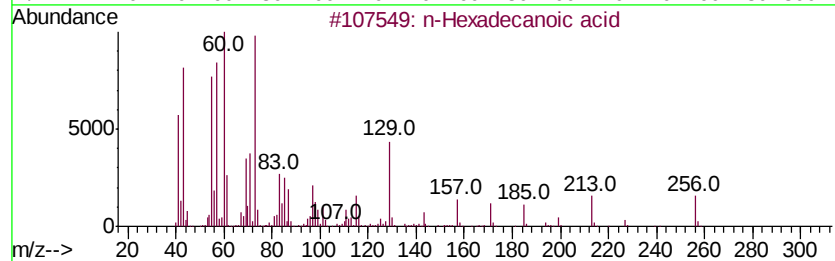
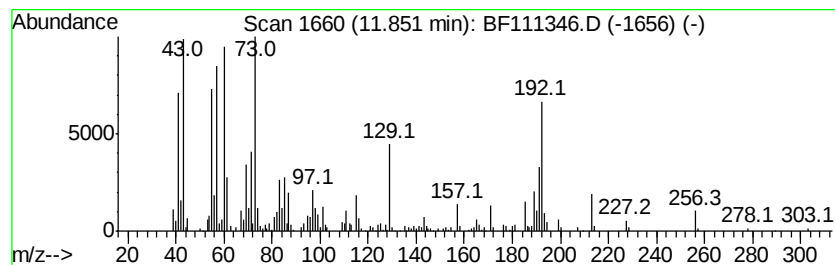
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	6.49 ng	477426	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2		Tridecanoic acid	214	C13H26O2	000638-53-9	83
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	78
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	78
5		1H-Cyclopropa[1]phenanthrene, 1a,...	192	C15H12	000949-41-7	74



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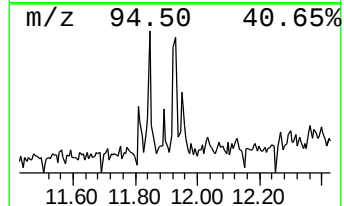
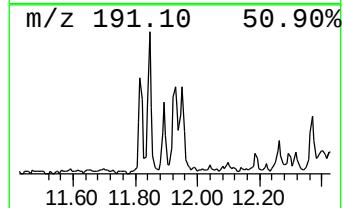
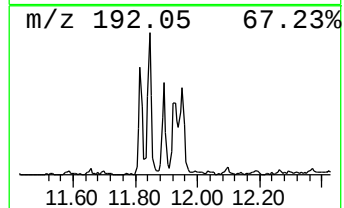
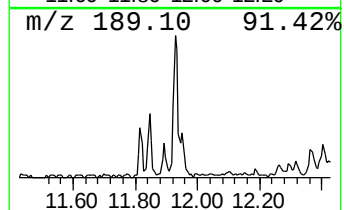
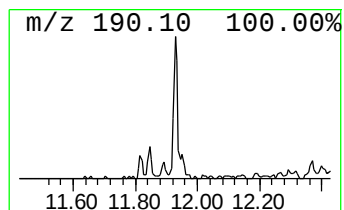
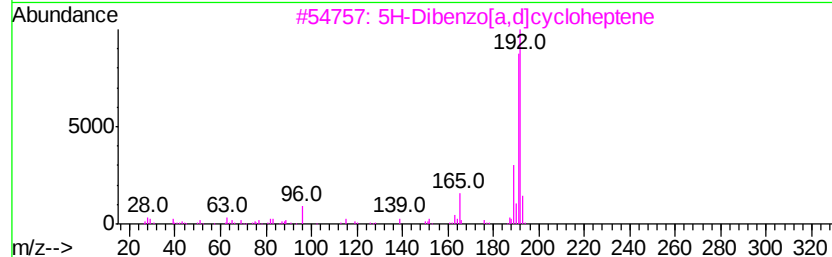
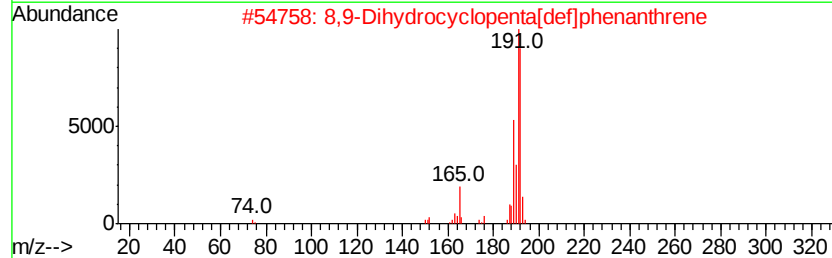
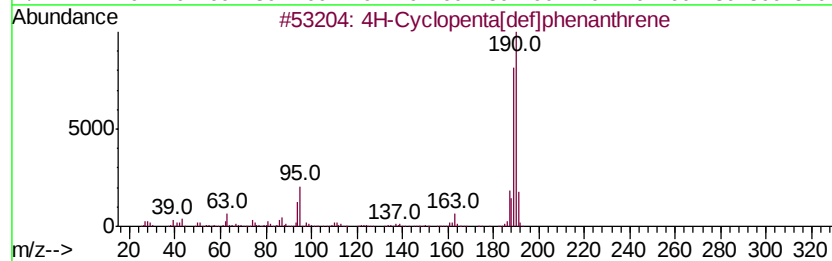
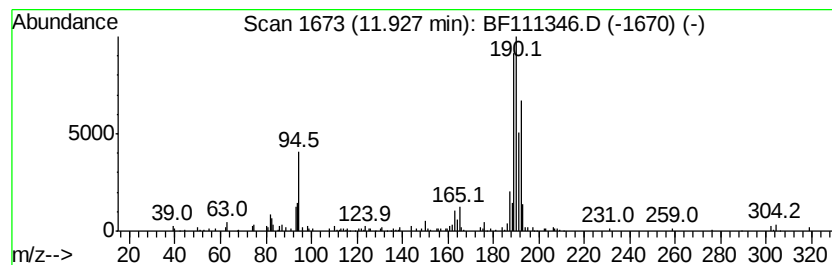
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.07 ng	152555	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2		8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	20
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	18
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	18



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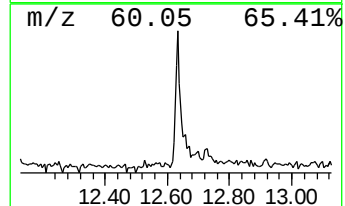
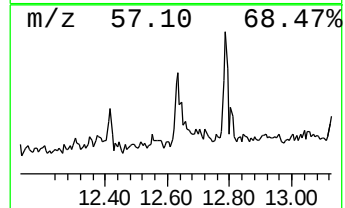
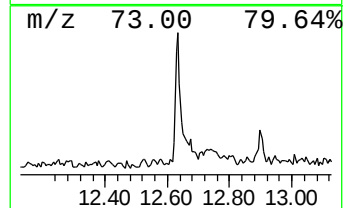
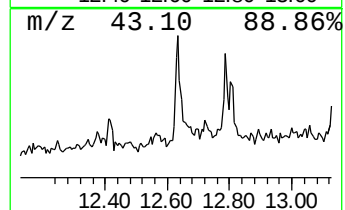
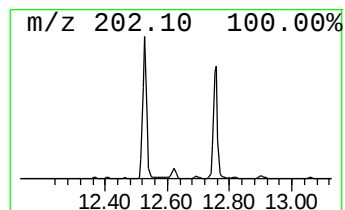
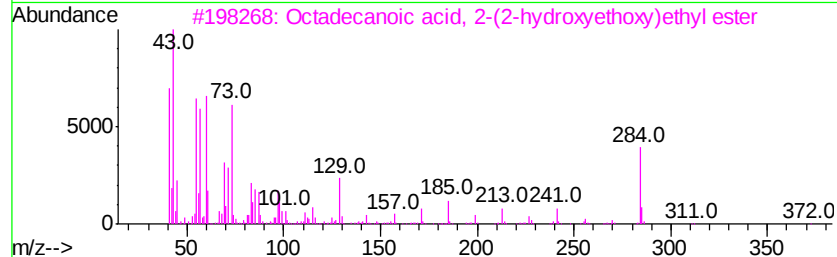
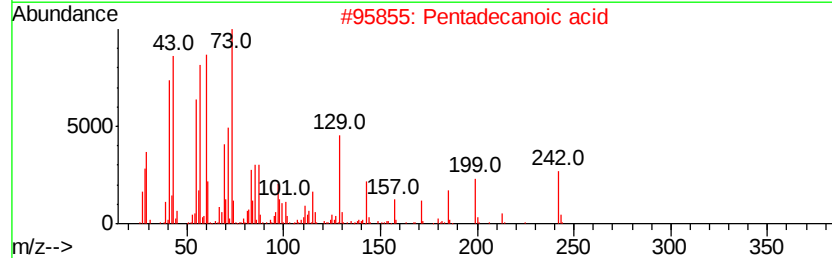
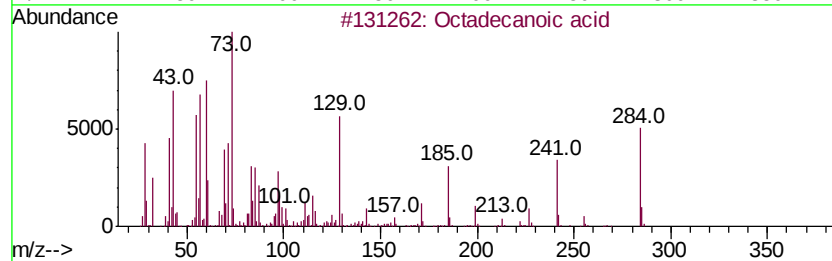
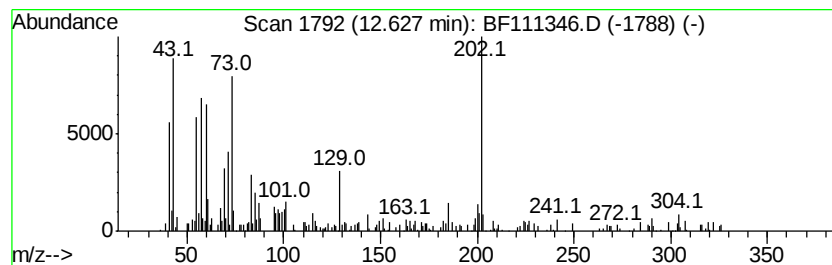
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Octadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	3.35 ng	246258	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	83
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	68
5		n-Decanoic acid	172	C10H20O2	000334-48-5	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
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Acq On : 13 Dec 2018 2:35
Operator : JU/SJ
Sample : J6214-47
Misc :
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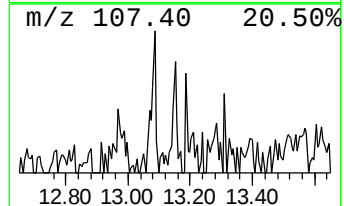
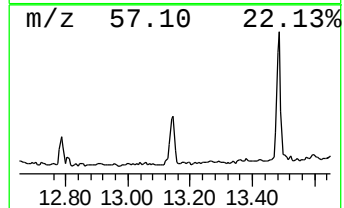
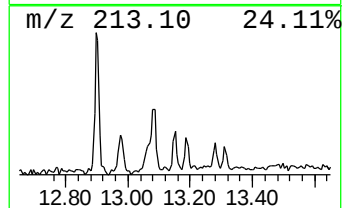
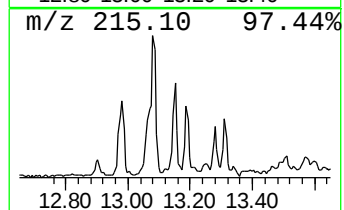
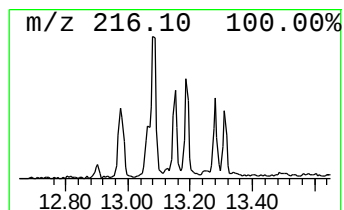
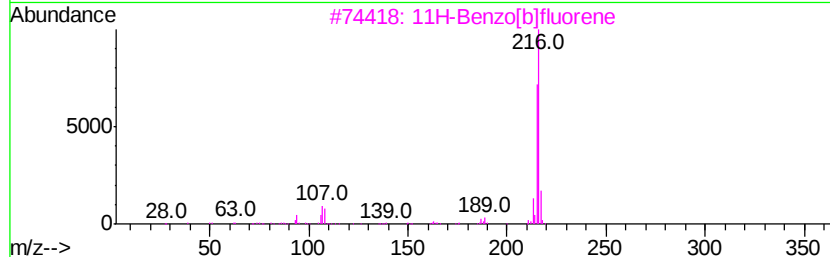
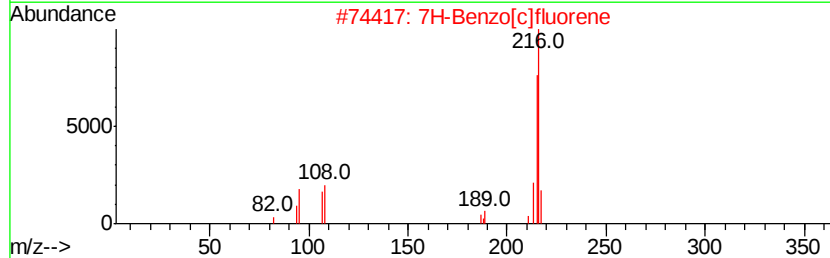
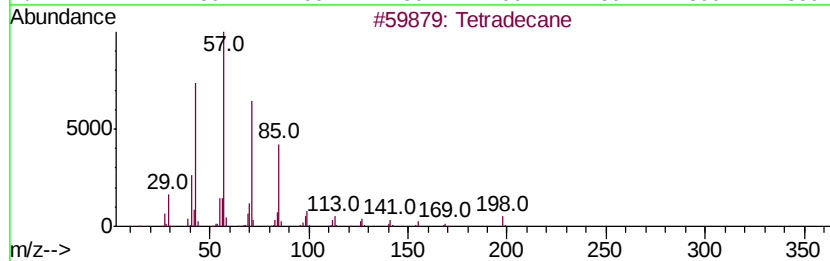
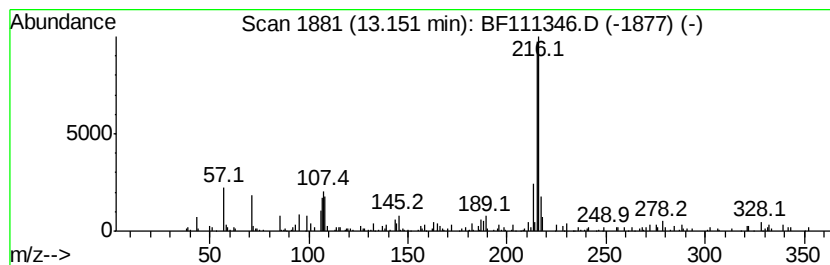
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tetradecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.15	2.39 ng	173399	Chrysene-d12	13.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	50
2	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	46
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	46
4	Dodecane	170	C12H26	000112-40-3	43
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
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Sample : J6214-47
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ClientSampleId :
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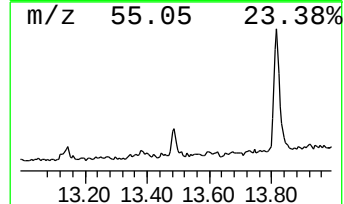
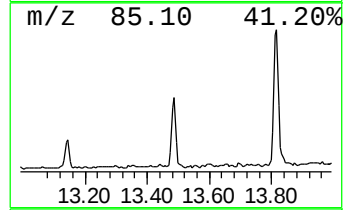
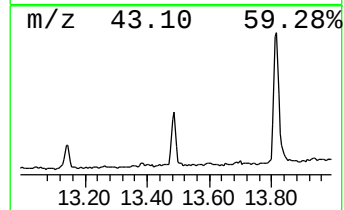
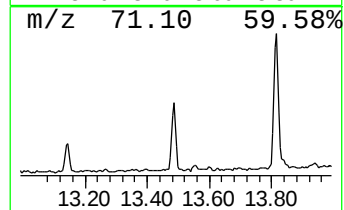
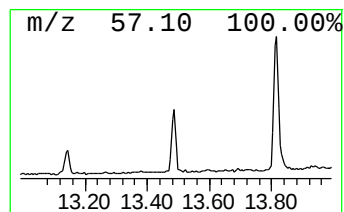
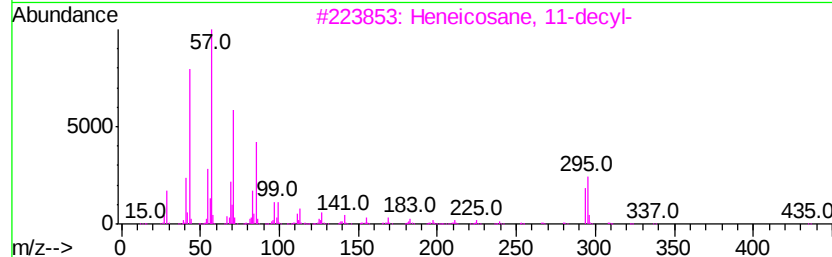
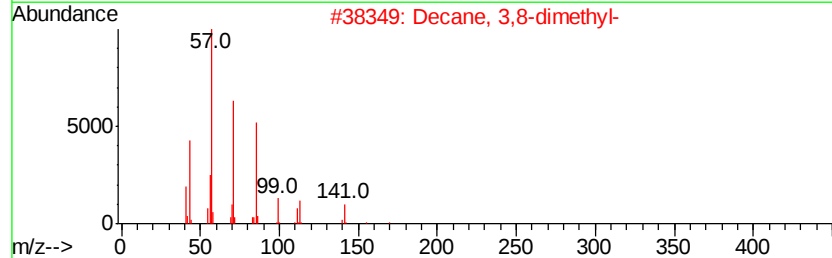
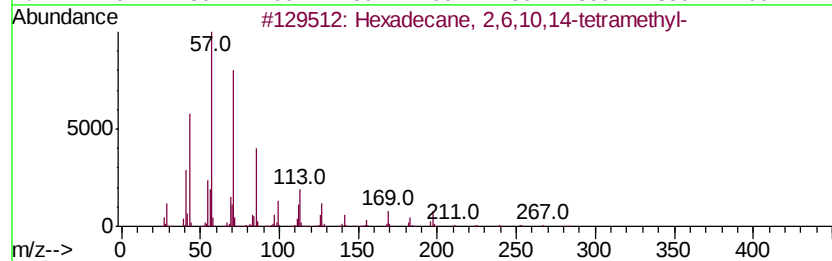
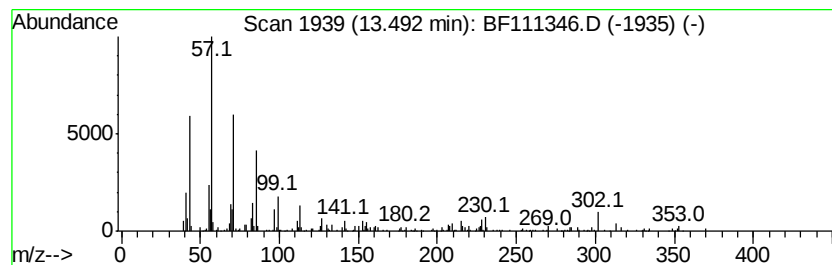
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexadecane, 2,6,10,14-tetra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	3.01 ng	218510	Chrysene-d12	13.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
2		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	83
3		Heneicosane, 11-decyl-	437	C31H64	055320-06-4	83
4		Tetracosane	338	C24H50	000646-31-1	83
5		Heptacosane	380	C27H56	000593-49-7	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111346.D
Acq On : 13 Dec 2018 2:35
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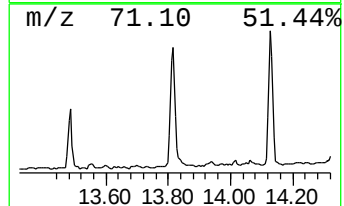
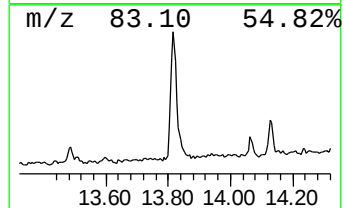
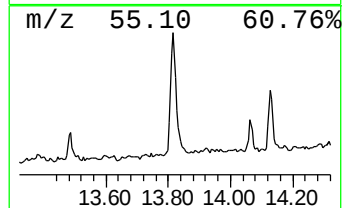
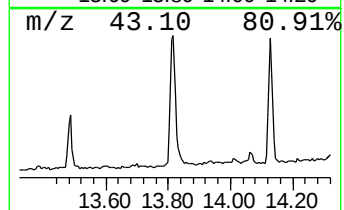
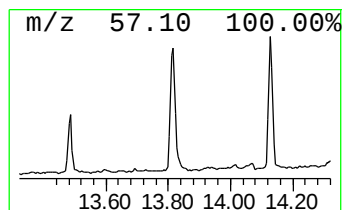
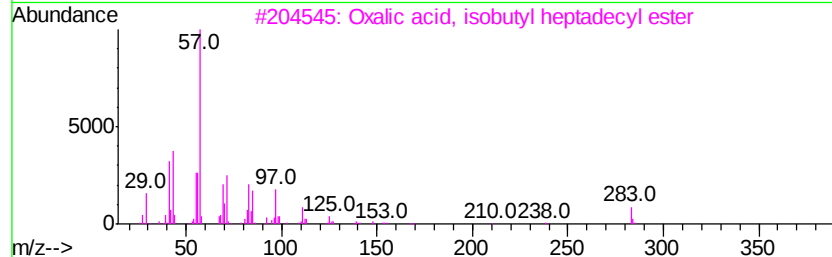
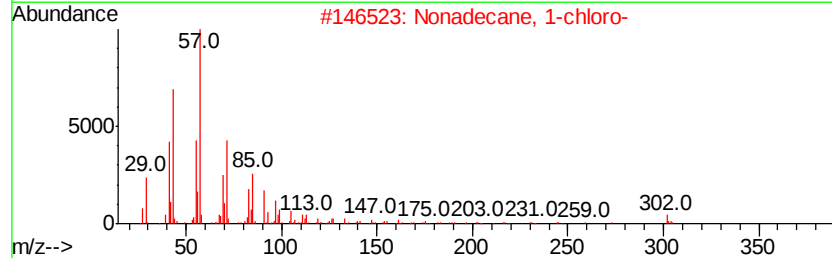
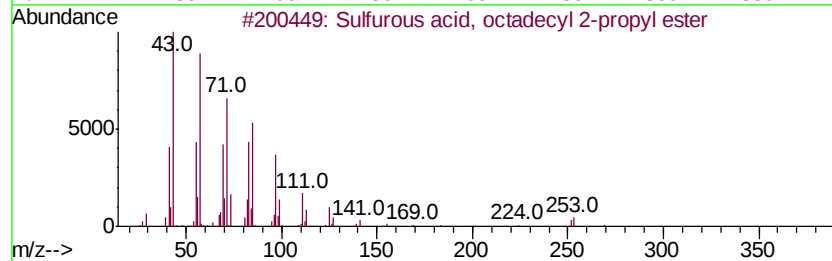
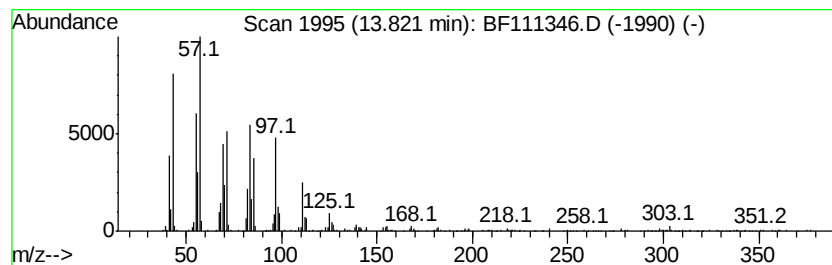
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	12.58 ng	912590	Chrysene-d12	13.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	87
2		Nonadecane, 1-chloro-	302	C19H39Cl	062016-76-6	87
3		Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	68
4		Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	68
5		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111346.D
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Misc :
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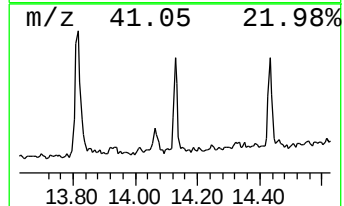
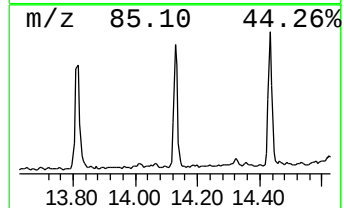
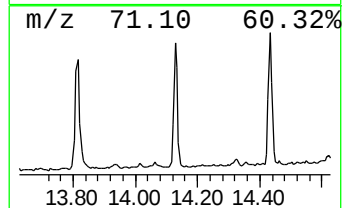
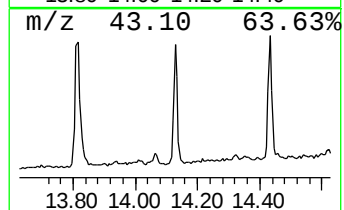
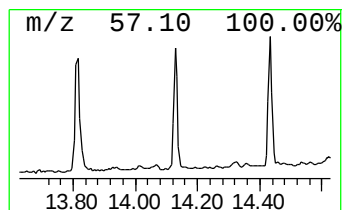
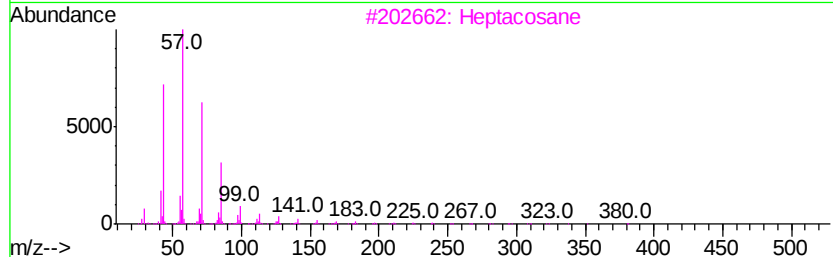
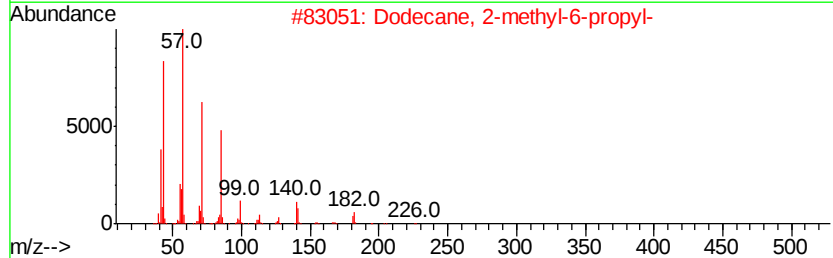
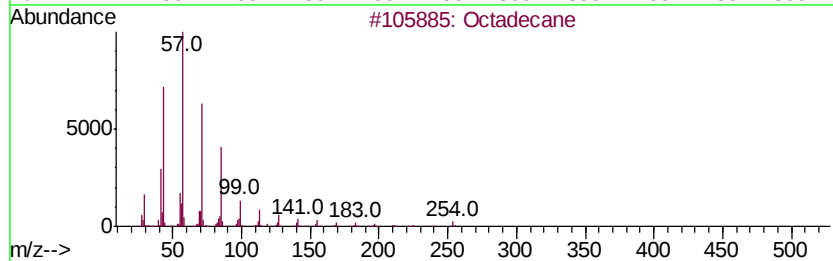
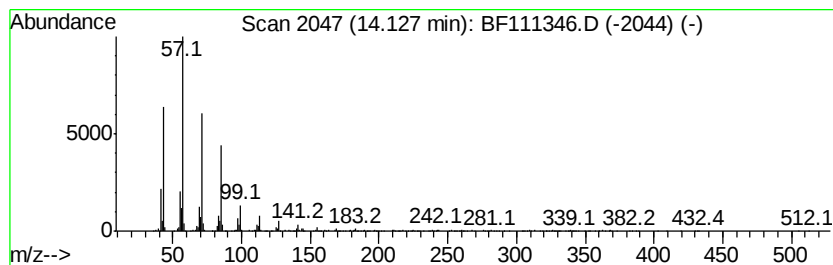
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Octadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	7.81 ng	566810	Chrysene-d12	13.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	94
2		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	93
3		Heptacosane	380	C27H56	000593-49-7	91
4		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	91
5		Tetracosane	338	C24H50	000646-31-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
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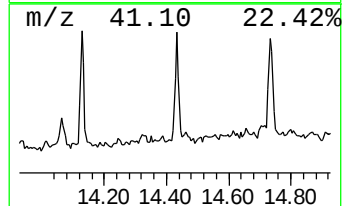
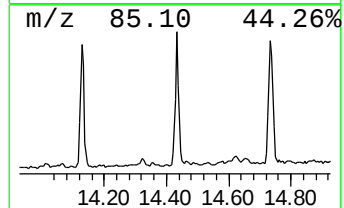
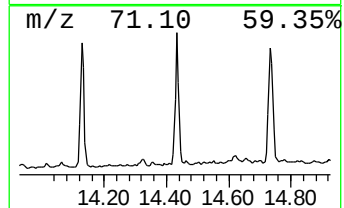
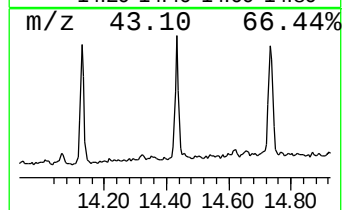
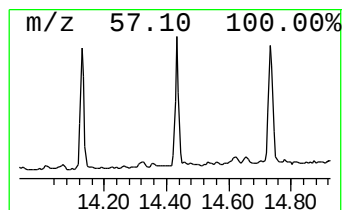
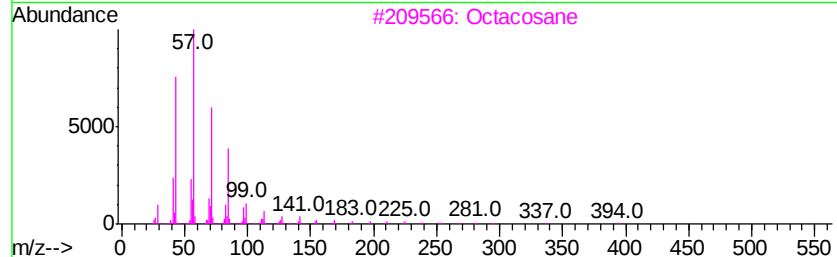
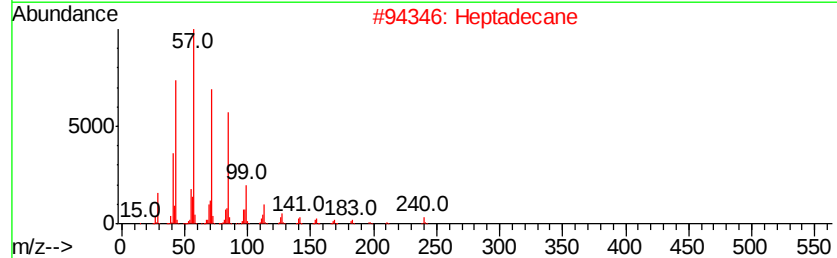
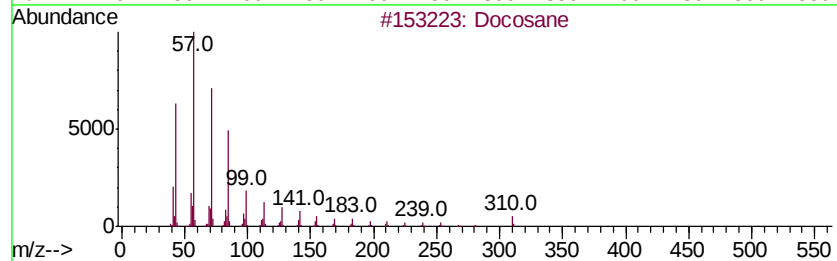
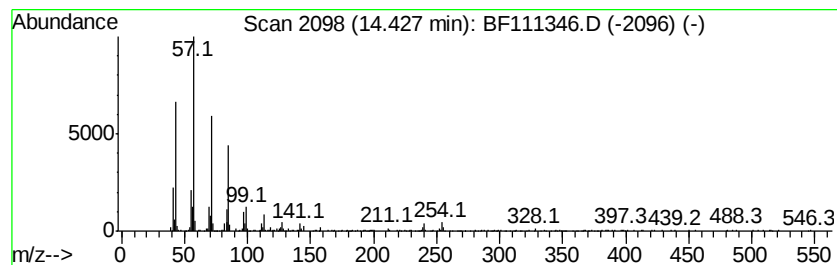
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Docosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	7.53 ng	546433	Chrysene-d12	13.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Docosane	310	C22H46	000629-97-0	93
2		Heptadecane	240	C17H36	000629-78-7	91
3		Octacosane	394	C28H58	000630-02-4	90
4		Heptacosane	380	C27H56	000593-49-7	90
5		Heneicosane	296	C21H44	000629-94-7	87



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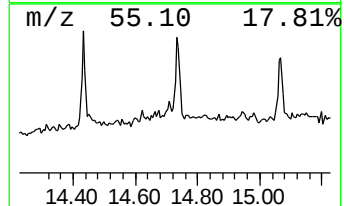
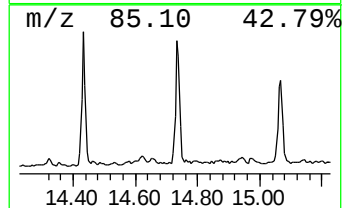
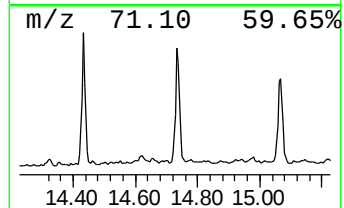
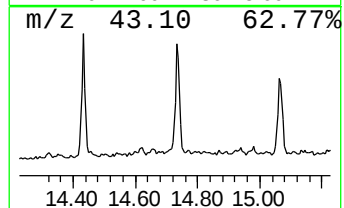
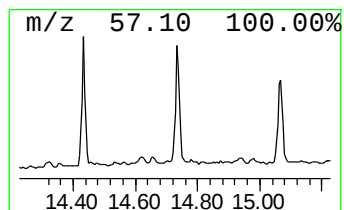
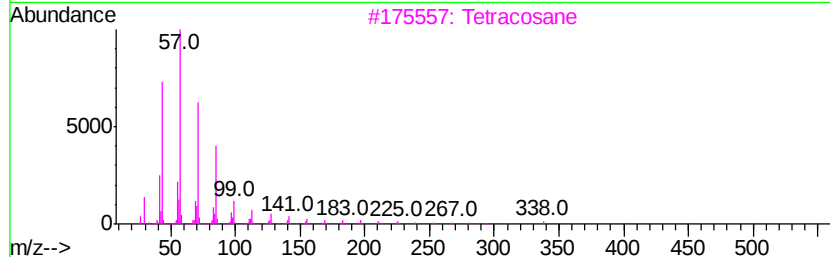
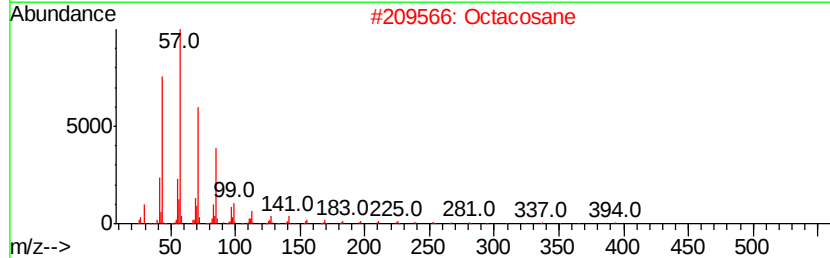
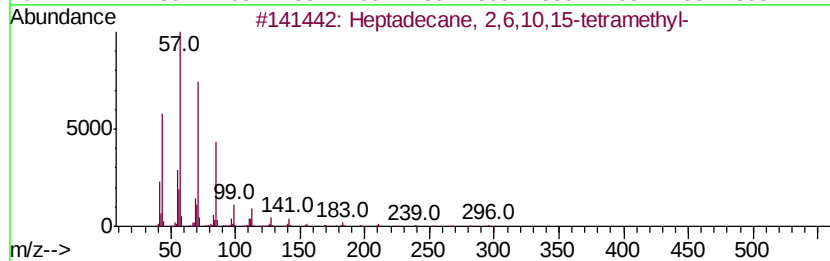
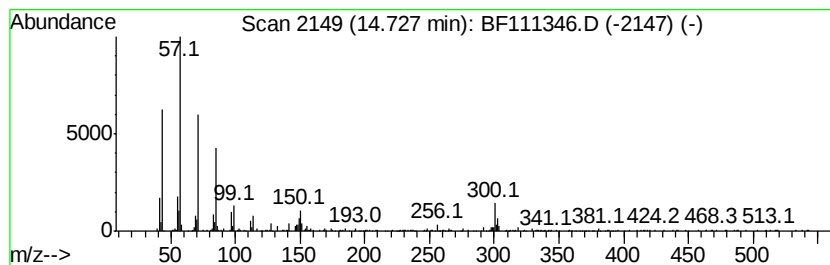
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Heptadecane, 2,6,10,15-tetr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	15.20 ng	605798	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2		Octacosane	394	C28H58	000630-02-4	86
3		Tetracosane	338	C24H50	000646-31-1	80
4		Heneicosane	296	C21H44	000629-94-7	62
5		Hexatriacontane	507	C36H74	000630-06-8	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
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ClientSampleId :
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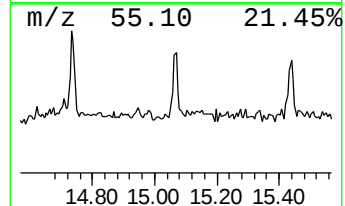
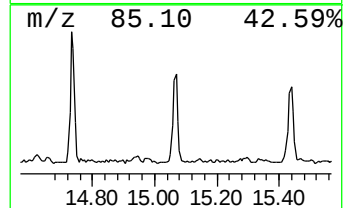
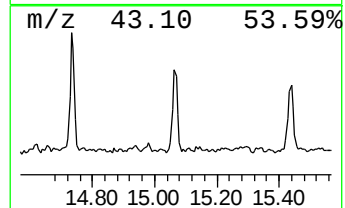
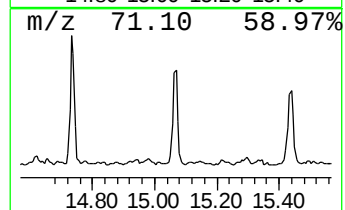
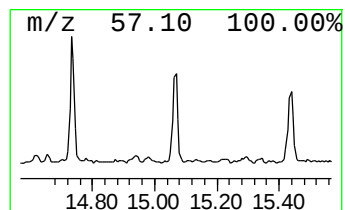
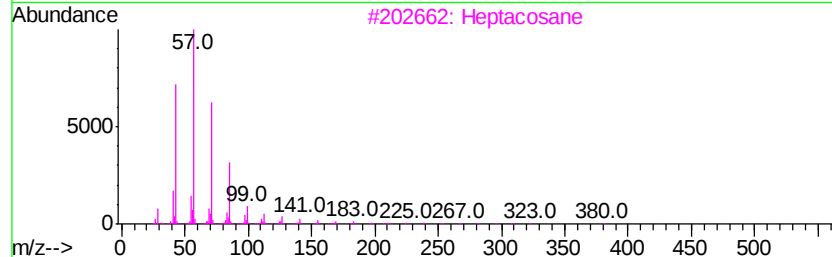
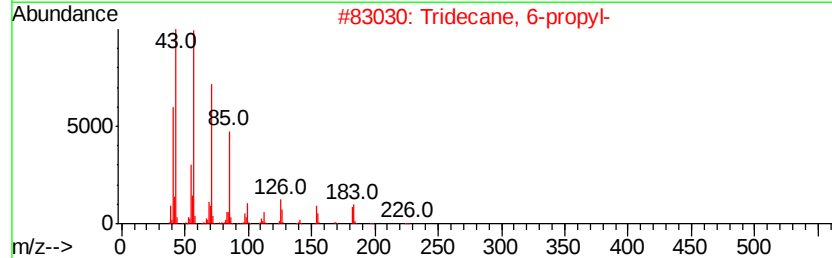
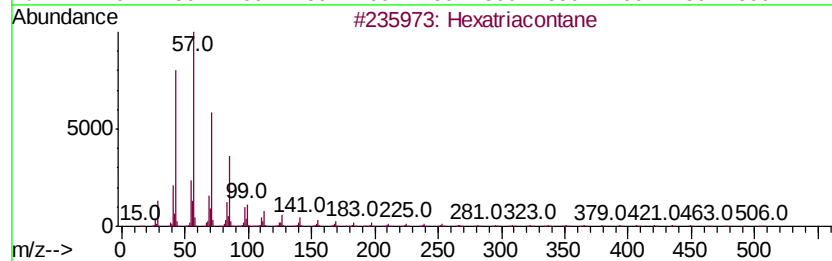
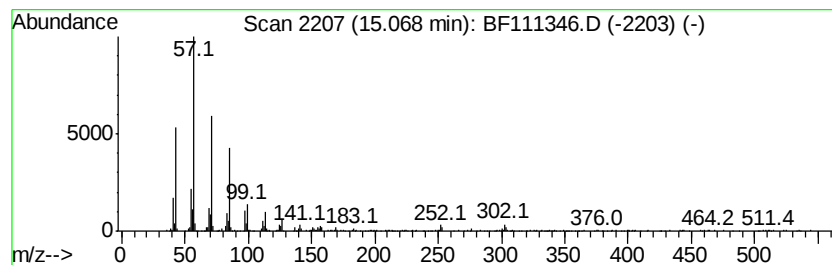
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Hexatriacontane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	15.19 ng	605623	Perylene-d12	15.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexatriacontane	507	C36H74	000630-06-8	95
2		Tridecane, 6-propyl-	226	C16H34	055045-10-8	81
3		Heptacosane	380	C27H56	000593-49-7	74
4		Hexadecane	226	C16H34	000544-76-3	74
5		Hexacosane	366	C26H54	000630-01-3	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121218\
Data File : BF111346.D
Acq On : 13 Dec 2018 2:35
Operator : JU/SJ
Sample : J6214-47
Misc :
ALS Vial : 26 Sample Multiplier: 1

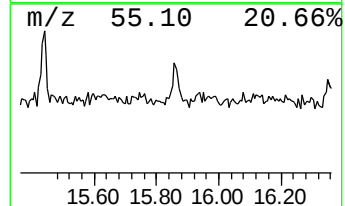
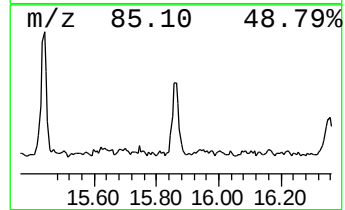
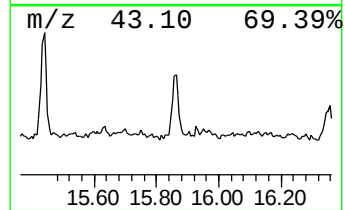
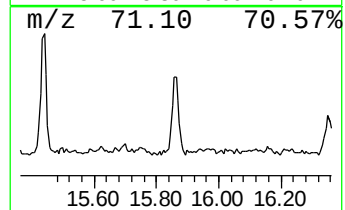
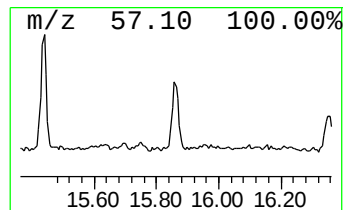
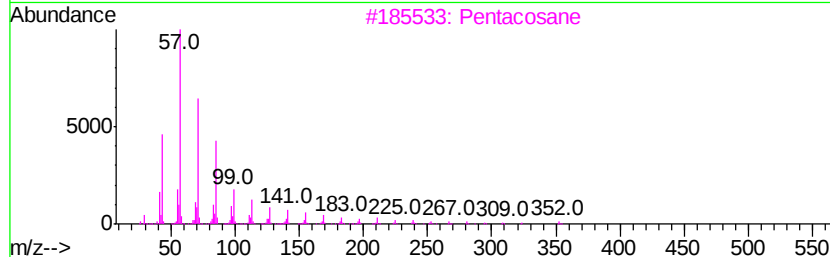
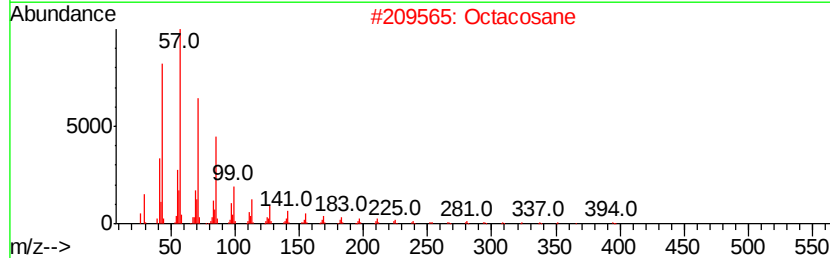
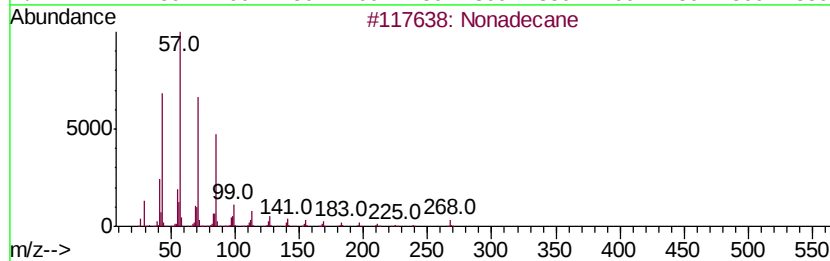
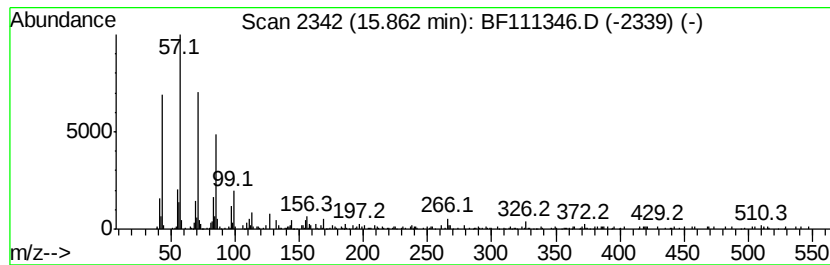
Instrument :
BNA_F
ClientSampleId :
SB-6(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.86	6.03 ng	240345	Perylene-d12	15.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Octacosane	394	C28H58	000630-02-4	81
3	Pentacosane	352	C25H52	000629-99-2	81
4	Heptadecane	240	C17H36	000629-78-7	81
5	Heptacosane	380	C27H56	000593-49-7	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
 Data File : BF111346.D
 Acq On : 13 Dec 2018 2:35
 Operator : JU/SJ
 Sample : J6214-47
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(13-15)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.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...	5.00	4.7	ng	317590	1	6.80	1350600	20.0
unknown6.57	6.57	79.9	ng	5396000	1	6.80	1350600	20.0
n-Hexadecanoic acid	11.85	6.5	ng	477426	4	11.32	1471450	20.0
4H-Cyclopenta[def...	11.93	2.1	ng	152555	4	11.32	1471450	20.0
Octadecanoic acid	12.63	3.4	ng	246258	4	11.32	1471450	20.0
Tetradecane	13.15	2.4	ng	173399	5	13.95	1451430	20.0
Hexadecane, 2,6,1...	13.49	3.0	ng	218510	5	13.95	1451430	20.0
Sulfurous acid, o...	13.82	12.6	ng	912590	5	13.95	1451430	20.0
Octadecane	14.13	7.8	ng	566810	5	13.95	1451430	20.0
Docosane	14.43	7.5	ng	546433	5	13.95	1451430	20.0
Heptadecane, 2,6,...	14.73	15.2	ng	605798	6	15.39	797249	20.0
Hexatriacontane	15.07	15.2	ng	605623	6	15.39	797249	20.0
Nonadecane	15.86	6.0	ng	240345	6	15.39	797249	20.0