

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021519\
 Data File : BF112587.D
 Acq On : 15 Feb 2019 19:09
 Operator : JU/SJ
 Sample : K1346-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-021419-A

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-BF012519.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	3.881	298	305	318	rBV	1456952	2125124	73.29%	6.742%
2	5.045	499	503	515	rBV	65317	94469	3.26%	0.300%
3	5.463	571	574	600	rBV	1804801	1968283	67.88%	6.245%
4	6.481	743	747	765	rBV	2016894	2181626	75.24%	6.921%
5	6.610	765	769	775	rBV	2559333	2300622	79.34%	7.299%
6	6.828	803	806	815	rBV	658512	572302	19.74%	1.816%
7	6.986	829	833	849	rBV	2066920	1734707	59.82%	5.504%
8	7.398	898	903	919	rBV	1313513	1417224	48.88%	4.496%
9	8.116	1021	1025	1043	rVB	756156	809779	27.93%	2.569%
10	9.186	1203	1207	1210	rBV	3319535	2837651	97.86%	9.003%
11	9.580	1271	1274	1280	rVB	154781	135502	4.67%	0.430%
12	9.669	1287	1289	1297	rVB3	33707	41855	1.44%	0.133%
13	9.869	1319	1323	1327	rBV	1169609	996086	34.35%	3.160%
14	9.898	1327	1328	1332	rVB	46581	37638	1.30%	0.119%
15	10.080	1356	1359	1362	rBV2	38964	40189	1.39%	0.128%
16	10.421	1413	1417	1423	rVB2	56206	54317	1.87%	0.172%
17	10.669	1454	1459	1468	rBV	2139645	2180766	75.21%	6.919%
18	11.257	1554	1559	1564	rVB2	28063	35261	1.22%	0.112%
19	11.363	1573	1577	1579	rBV	1145165	1099562	37.92%	3.488%
20	11.386	1579	1581	1586	rVB	443971	373788	12.89%	1.186%
21	11.439	1586	1590	1593	rBV	112138	106410	3.67%	0.338%
22	11.598	1611	1617	1621	rBV2	58994	79431	2.74%	0.252%
23	11.639	1621	1624	1628	rVB4	26667	34741	1.20%	0.110%
24	11.880	1659	1665	1672	rBV3	426906	553813	19.10%	1.757%
25	11.974	1678	1681	1684	rBV	107468	116086	4.00%	0.368%
26	12.157	1709	1712	1714	rBV	51024	48668	1.68%	0.154%
27	12.186	1714	1717	1723	rVB4	36663	65124	2.25%	0.207%
28	12.304	1731	1737	1740	rBV6	61947	103048	3.55%	0.327%
29	12.433	1753	1759	1761	rBV4	77594	155415	5.36%	0.493%
30	12.468	1762	1765	1768	rVB4	113613	130819	4.51%	0.415%
31	12.533	1768	1776	1779	rBV4	174885	283429	9.77%	0.899%
32	12.580	1780	1784	1787	rVV	755333	666038	22.97%	2.113%
33	12.621	1789	1791	1793	rVB3	63437	49310	1.70%	0.156%
34	12.663	1795	1798	1803	rBV3	141644	165017	5.69%	0.524%

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35	12.727	1807	1809	1812	rVB2	33887	31852	1.10%	0.101%
36	12.810	1816	1823	1827	rBV	630142	713631	24.61%	2.264%
37	12.945	1839	1846	1849	rBV	3233740	2899665	100.00%	9.199%
38	12.974	1849	1851	1856	rVB	26430	33182	1.14%	0.105%
39	13.027	1856	1860	1862	rBV2	44809	71959	2.48%	0.228%
40	13.139	1876	1879	1881	rVB	72331	54327	1.87%	0.172%
41	13.162	1881	1883	1885	rVB	51781	40716	1.40%	0.129%
42	13.204	1887	1890	1892	rBV	61638	47291	1.63%	0.150%
43	13.239	1894	1896	1900	rVB2	47136	50417	1.74%	0.160%
44	13.504	1938	1941	1945	rVB	77775	75116	2.59%	0.238%
45	13.633	1959	1963	1965	rBV4	62431	103090	3.56%	0.327%
46	13.827	1993	1996	2000	rVB2	242293	247947	8.55%	0.787%
47	14.009	2022	2027	2030	rBV2	944656	1119912	38.62%	3.553%
48	14.033	2030	2031	2038	rVB	255772	238452	8.22%	0.757%
49	14.145	2048	2050	2053	rBV	147881	123385	4.26%	0.391%
50	14.451	2099	2102	2108	rVB	202486	209462	7.22%	0.665%
51	14.757	2151	2154	2158	rVB	196791	180030	6.21%	0.571%
52	15.062	2202	2206	2208	rBV	230583	320893	11.07%	1.018%
53	15.086	2208	2210	2213	rVB	285350	284776	9.82%	0.903%
54	15.368	2255	2258	2262	rVB	113489	118138	4.07%	0.375%
55	15.427	2266	2268	2271	rVV	173680	213718	7.37%	0.678%
56	15.462	2272	2274	2276	rVV	161723	190879	6.58%	0.606%
57	15.492	2276	2279	2283	rVB	474022	556997	19.21%	1.767%

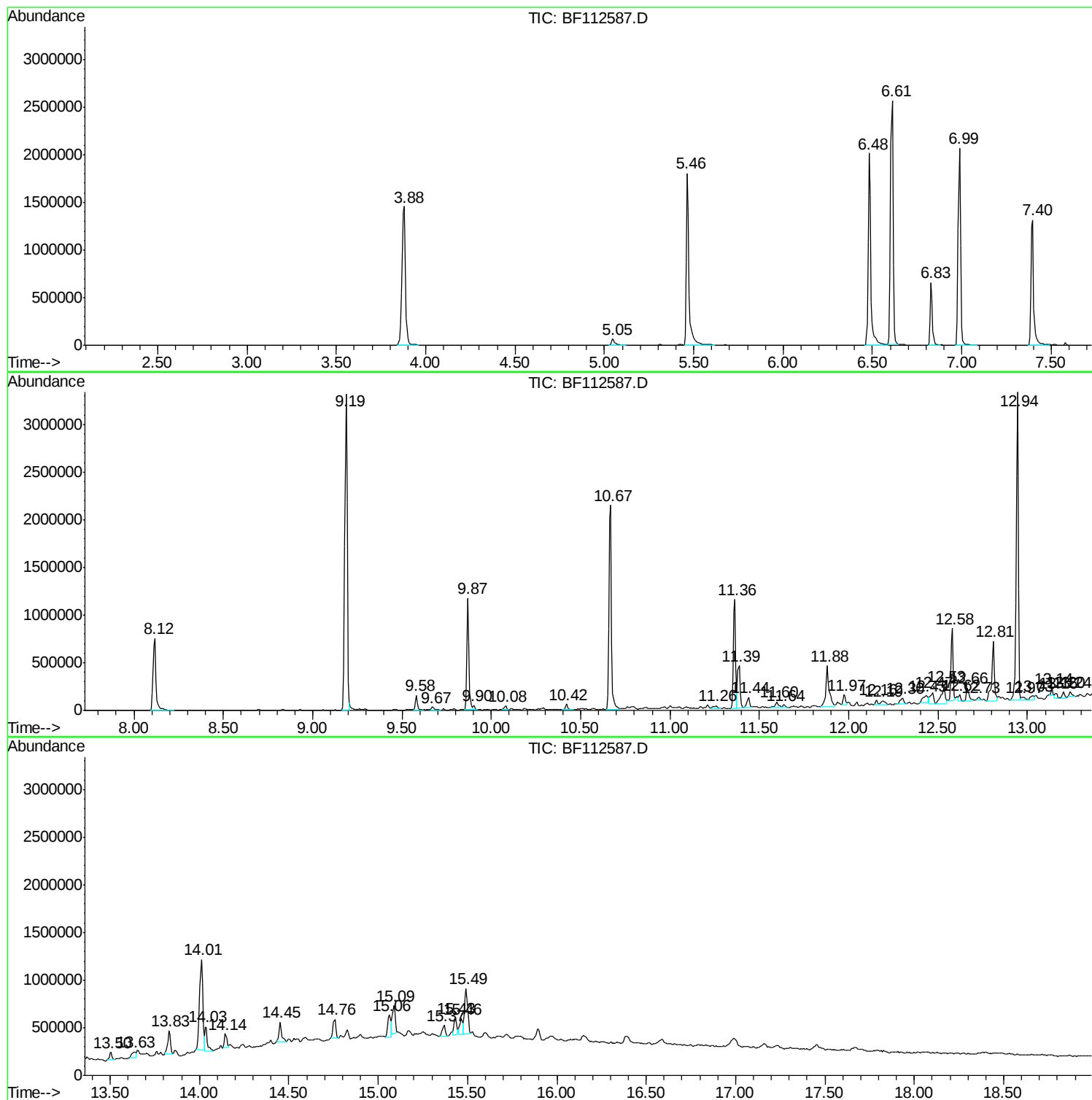
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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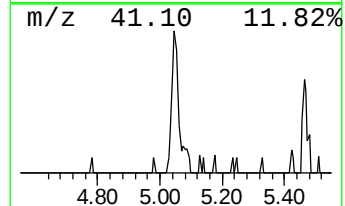
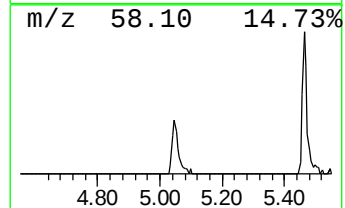
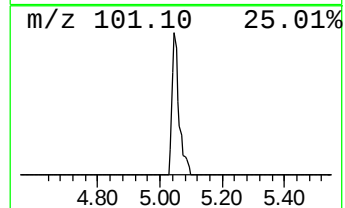
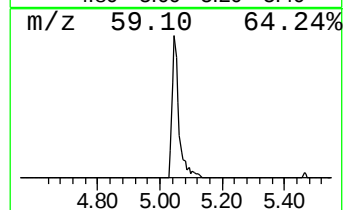
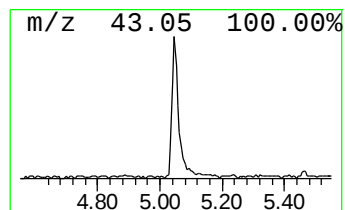
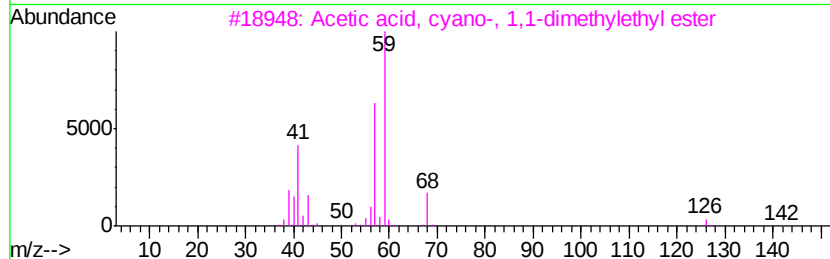
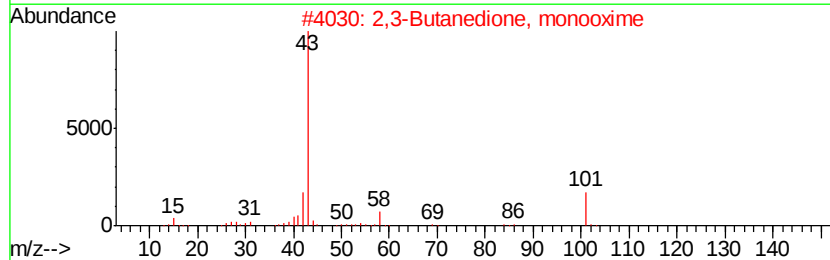
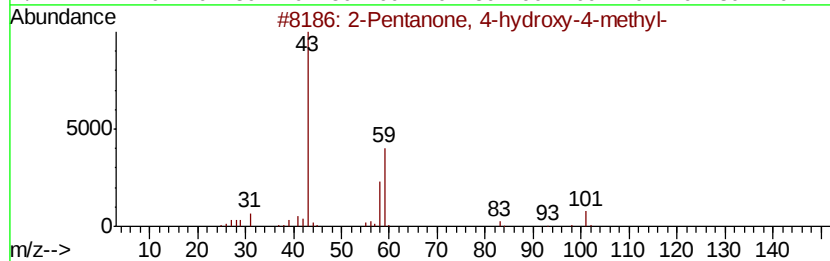
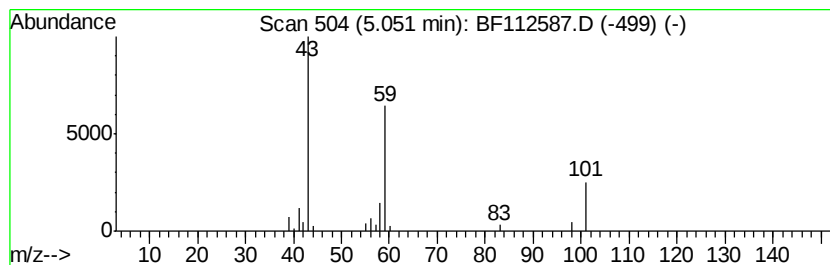
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	3.30 ng	94469	1,4-Dichlorobenzene-d4	6.83

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	35
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17
4			5-Hexen-2-one	98	C6H10O	000109-49-9	9
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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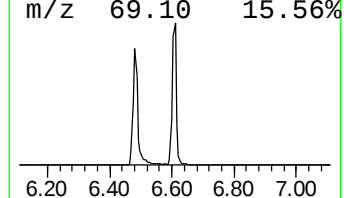
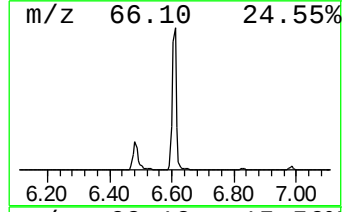
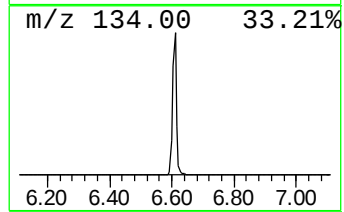
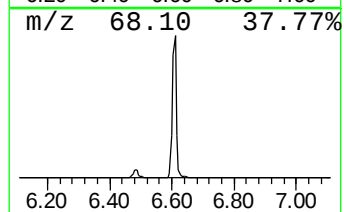
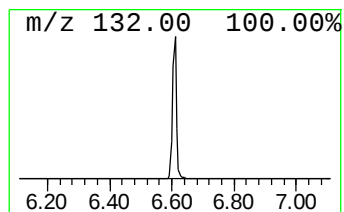
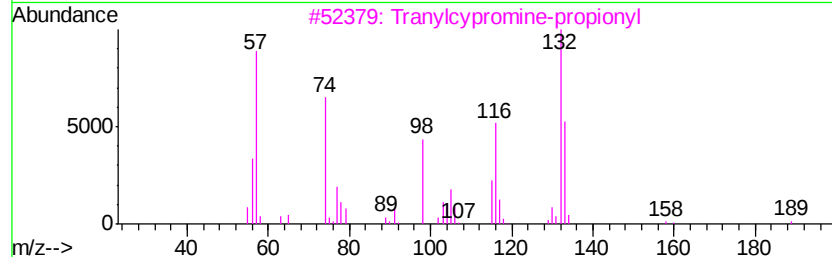
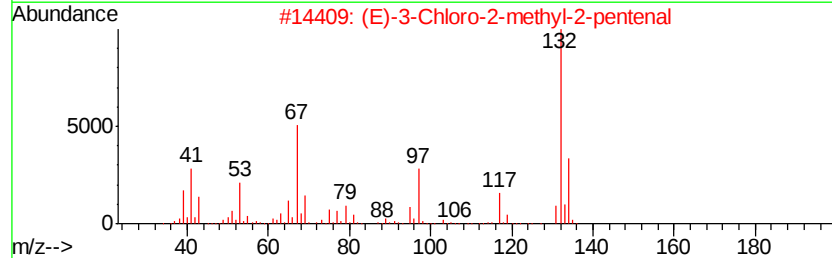
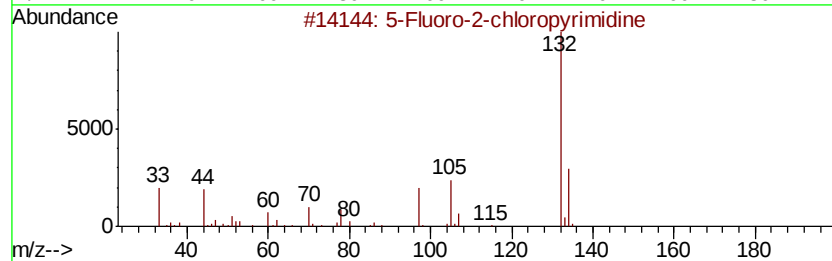
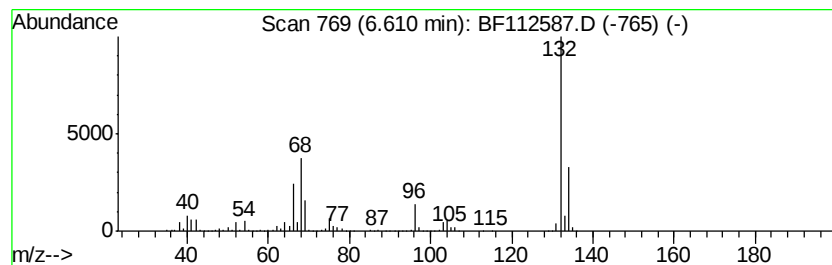
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	80.40 ng	2300620	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	16
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	9



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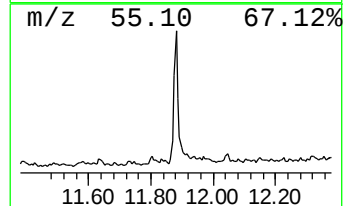
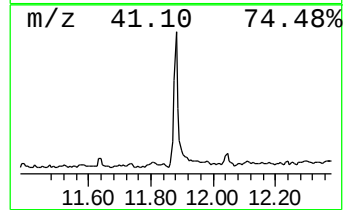
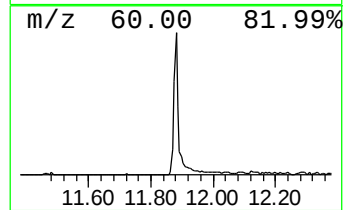
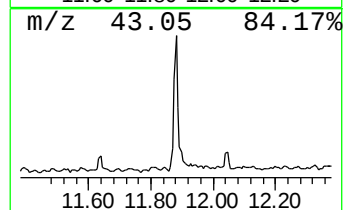
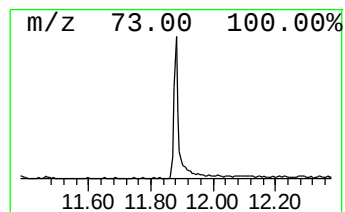
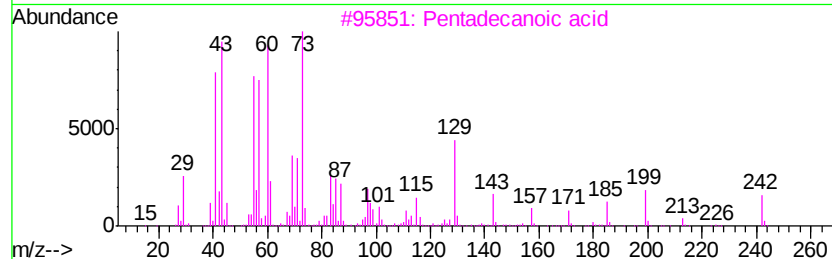
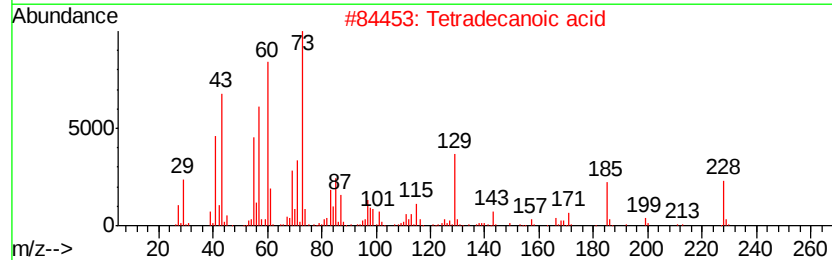
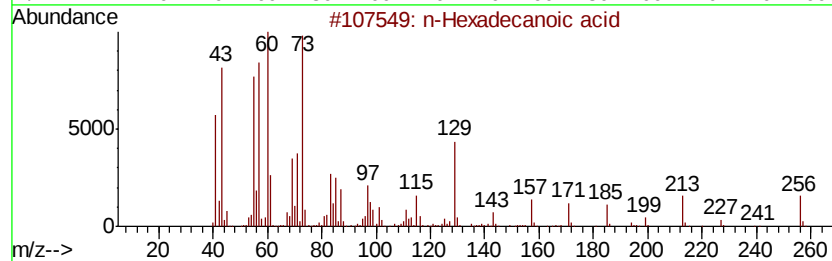
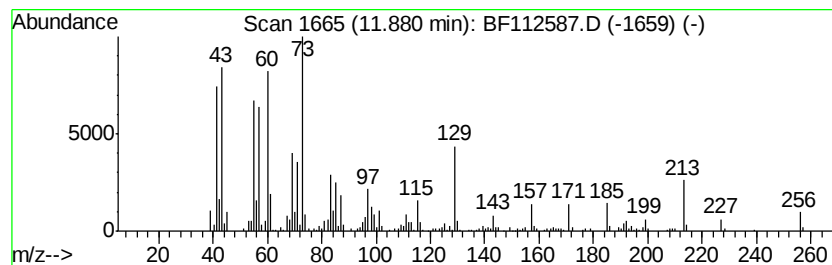
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TIC Integration Parameters: LSCINT.P

Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	10.07 ng	553813	Phenanthrene-d10	11.36

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	90
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4		Tridecanoic acid	214	C13H26O2	000638-53-9	74
5		Dodecanoic acid	200	C12H24O2	000143-07-7	74



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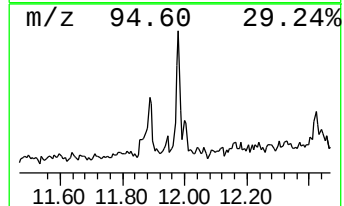
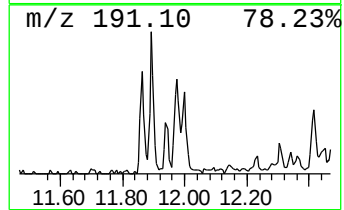
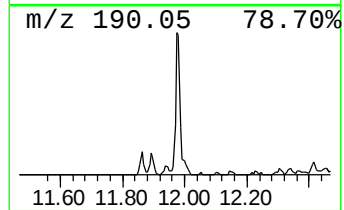
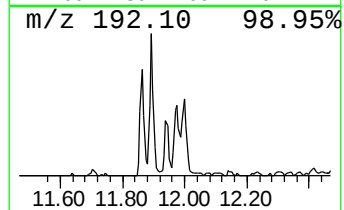
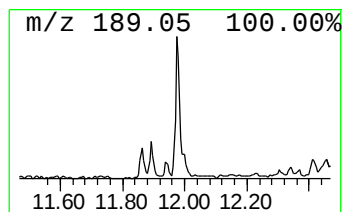
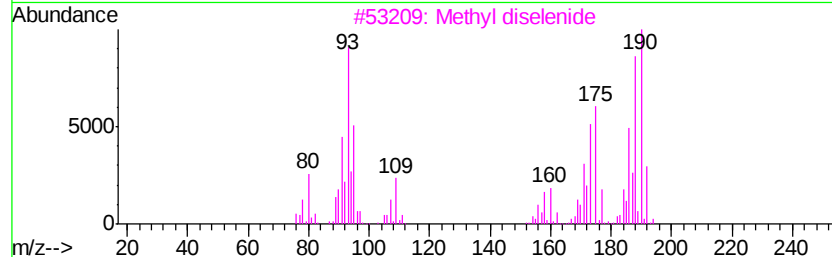
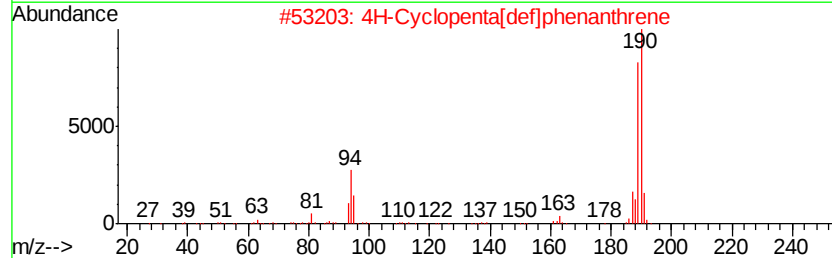
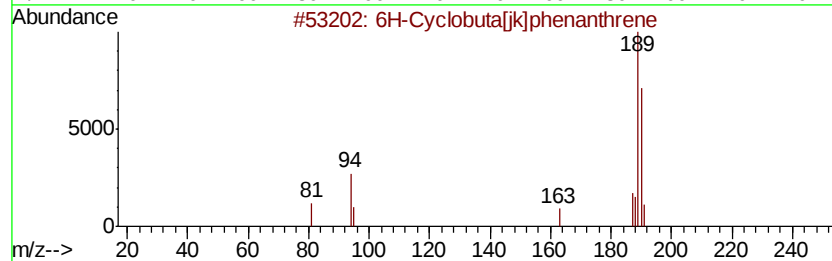
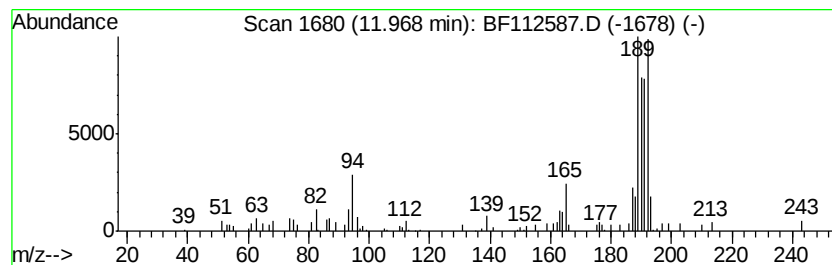
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Peak Number 6 6H-Cyclobuta[jk]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.97	2.11 ng	116086	Phenanthrene-d10		11.36	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Cyclobuta[ikl]phenanthrene	190	C15H10	083469-43-6	59	
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58	
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49	
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36	
5	1-Aminocyclopentanecarboxylic ac...	347	C17H30ClN04	1000329-16-9	17	



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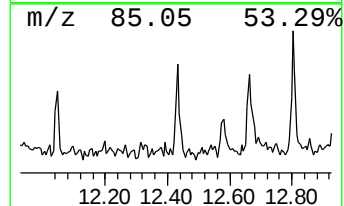
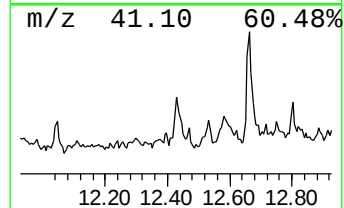
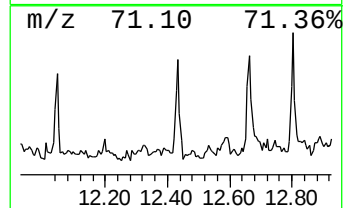
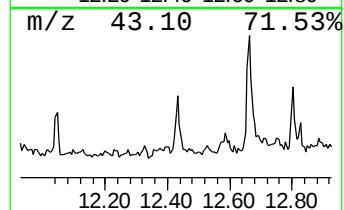
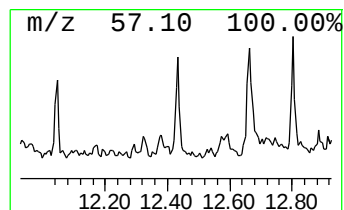
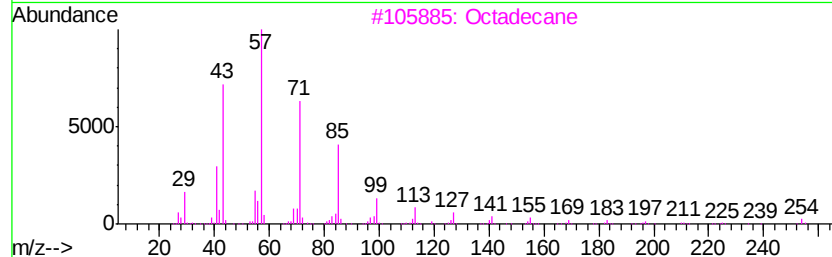
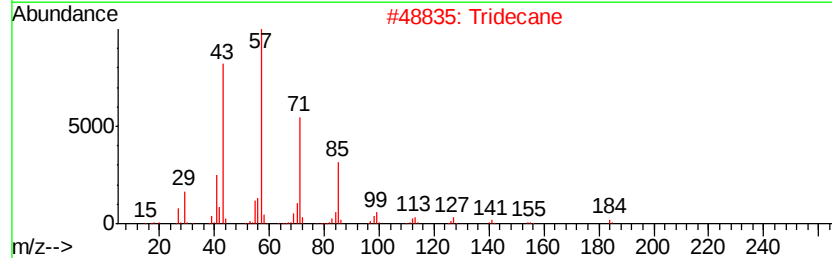
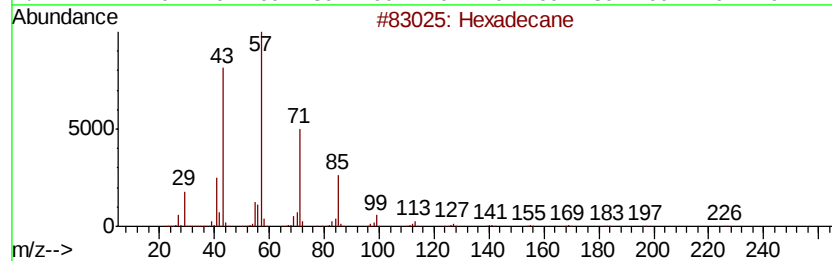
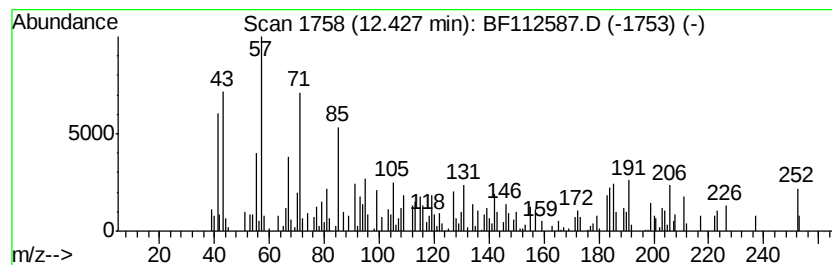
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ClientSampleId :
CL-01-021419-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.43	2.83 ng	155415	Phenanthrene-d10	11.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	89
2	Tridecane	184	C13H28	000629-50-5	50
3	Octadecane	254	C18H38	000593-45-3	38
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	38
5	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
Data File : BF112587.D
Acq On : 15 Feb 2019 19:09
Operator : JU/SJ
Sample : K1346-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-021419-A

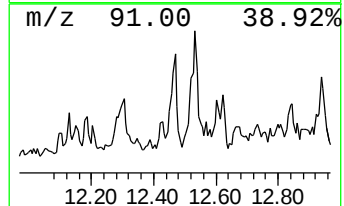
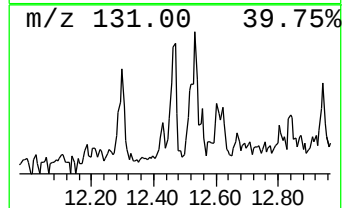
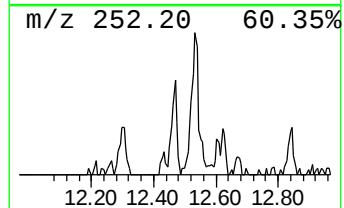
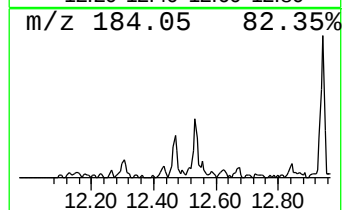
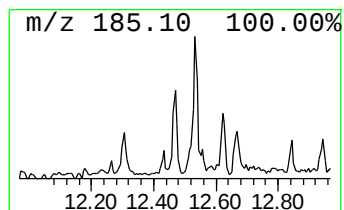
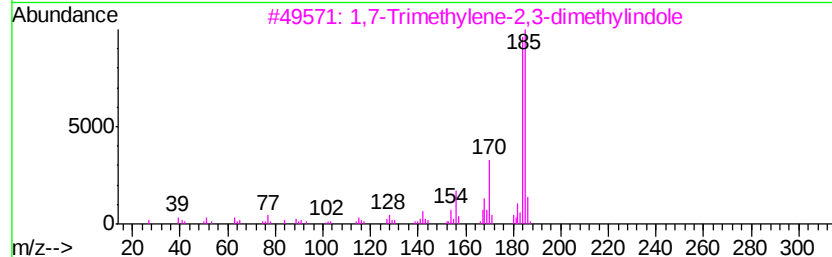
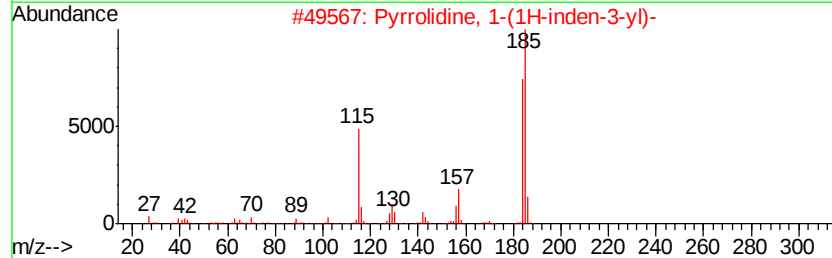
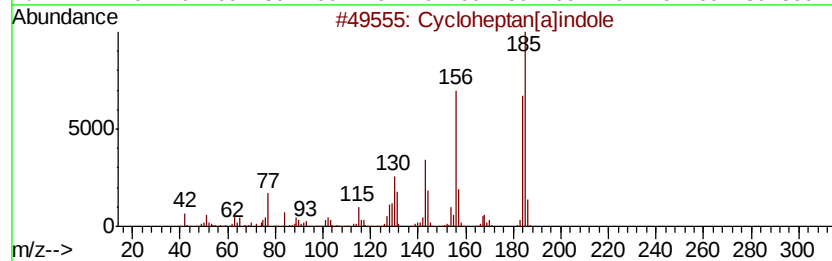
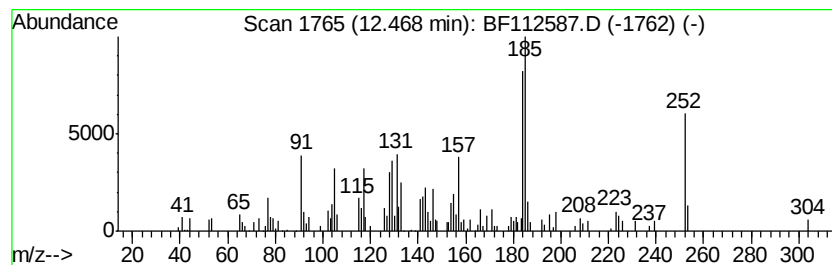
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown12.47 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	2.38 ng	130819	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cycloheptan[a]indole	185	C13H15N	002047-89-4	49
2		Pyrrolidine, 1-(1H-inden-3-yl)-	185	C13H15N	031554-37-7	49
3		1,7-Trimethylene-2,3-dimethylindole	185	C13H15N	005825-43-4	43
4		2,3-Dihydro-8-methylfuro(2,3-b)q...	185	C12H11NO	064124-82-9	43
5		2,3-Dimethyl-1H-imidazo(1,2-a)py...	185	C11H11N3	1000147-26-7	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
Data File : BF112587.D
Acq On : 15 Feb 2019 19:09
Operator : JU/SJ
Sample : K1346-07
Misc :
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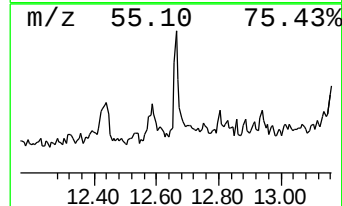
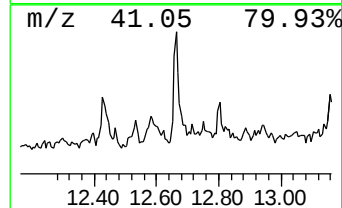
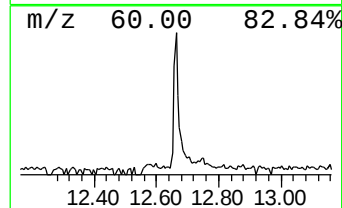
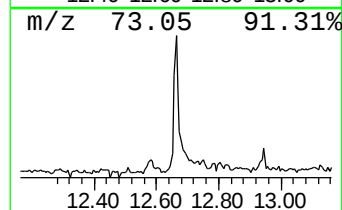
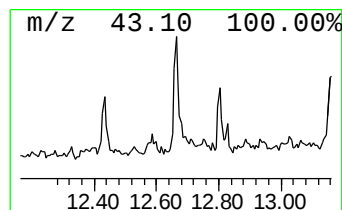
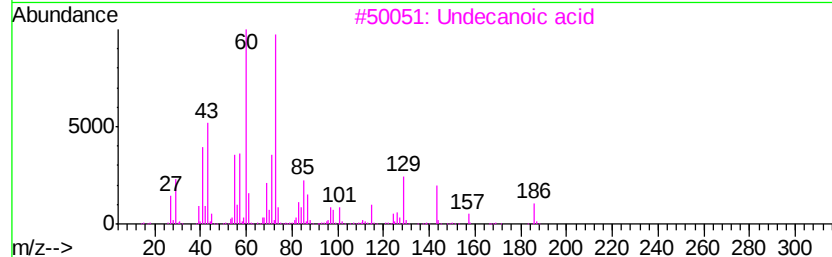
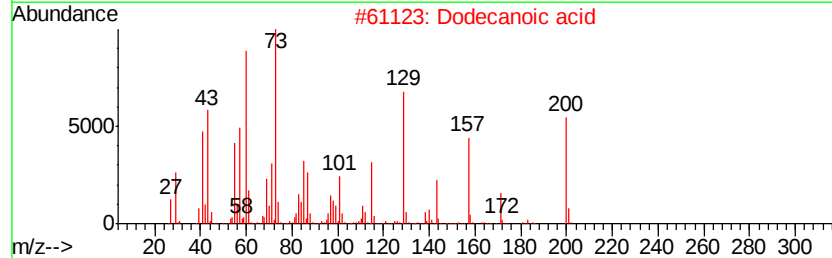
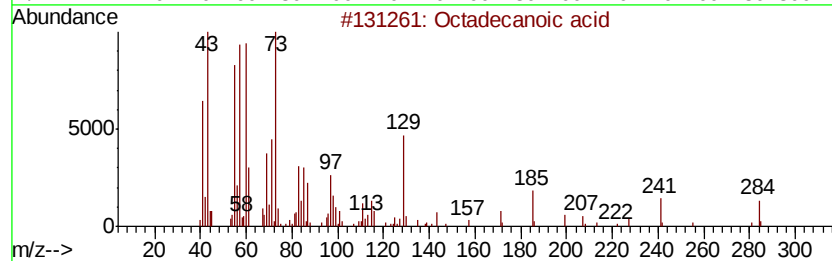
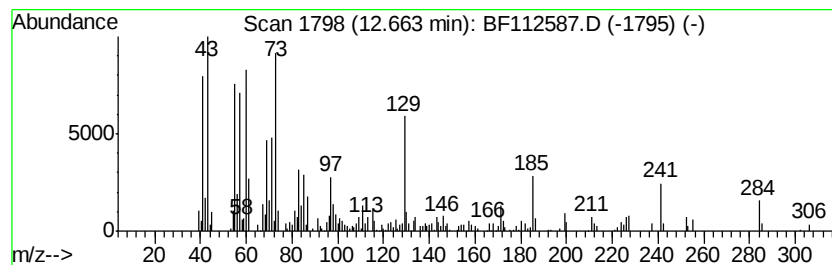
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	3.00 ng	165017	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Dodecanoic acid	200	C12H24O2	000143-07-7	64
3		Undecanoic acid	186	C11H22O2	000112-37-8	52
4		n-Decanoic acid	172	C10H20O2	000334-48-5	45
5		Oxalic acid, propyl tetradecyl e...	328	C19H36O4	1000309-26-7	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
Data File : BF112587.D
Acq On : 15 Feb 2019 19:09
Operator : JU/SJ
Sample : K1346-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-01-021419-A

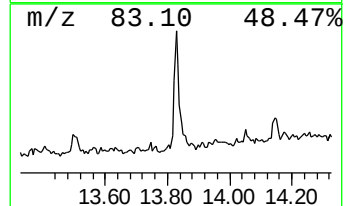
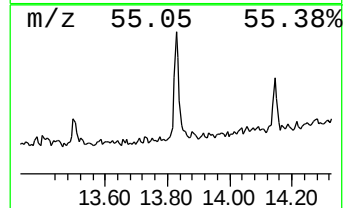
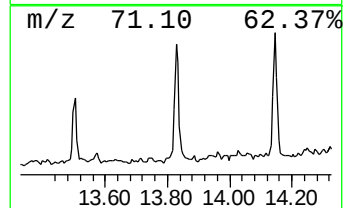
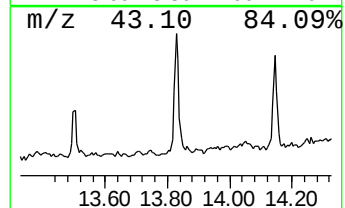
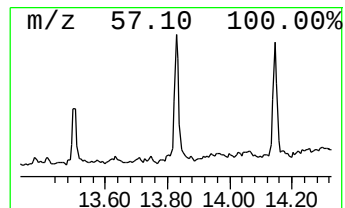
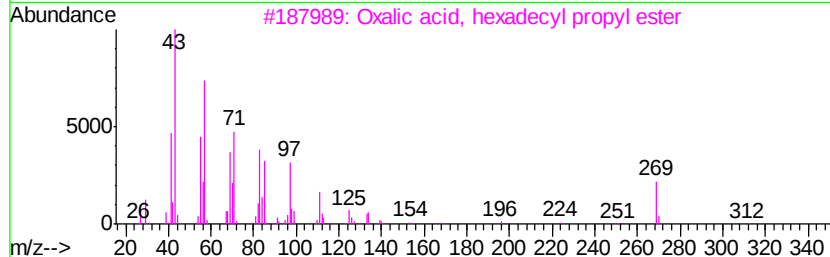
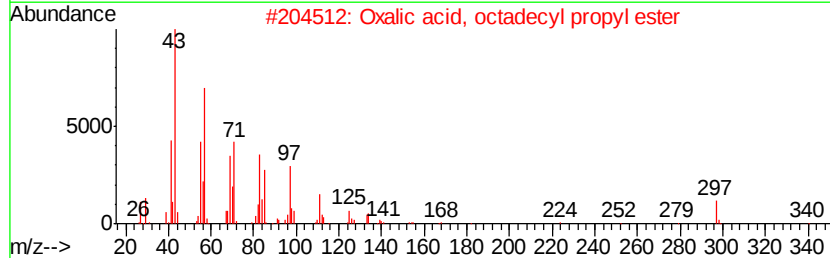
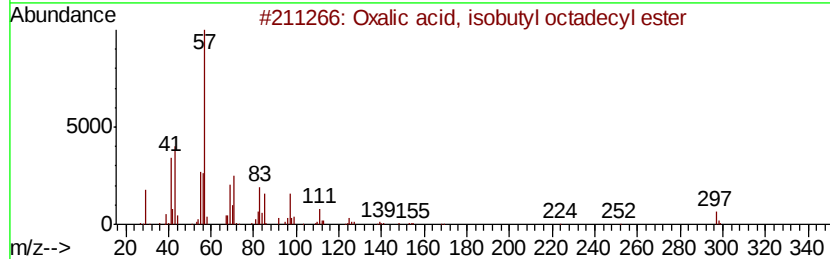
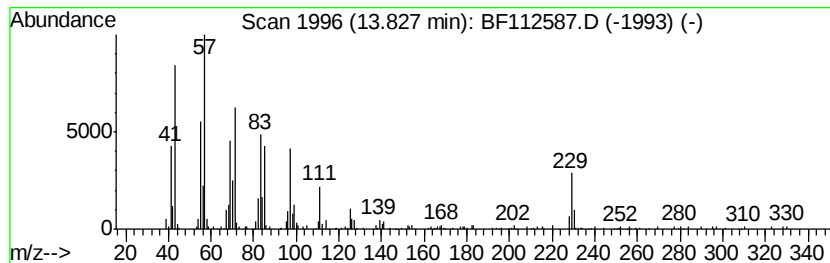
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Oxalic acid, isobutyl octadecyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	4.43 ng	247947	Chrysene-d12	14.01

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	83
2			Oxalic acid, octadecyl propyl ester	384	C23H44O4	1000309-27-0	83
3			Oxalic acid, hexadecyl propyl ester	356	C21H40O4	1000309-26-9	83
4			Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	81
5			1-Eicosene	280	C20H40	003452-07-1	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
Data File : BF112587.D
Acq On : 15 Feb 2019 19:09
Operator : JU/SJ
Sample : K1346-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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CL-01-021419-A

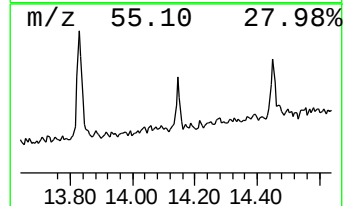
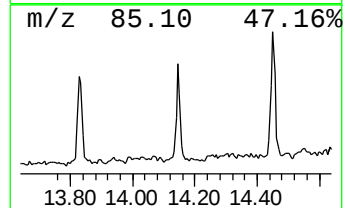
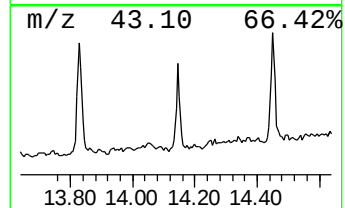
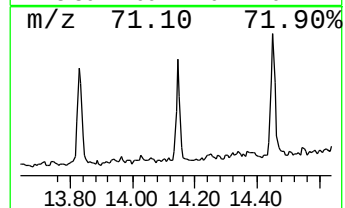
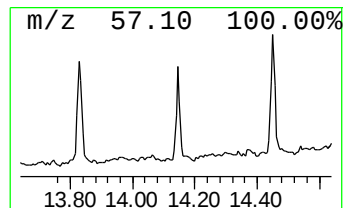
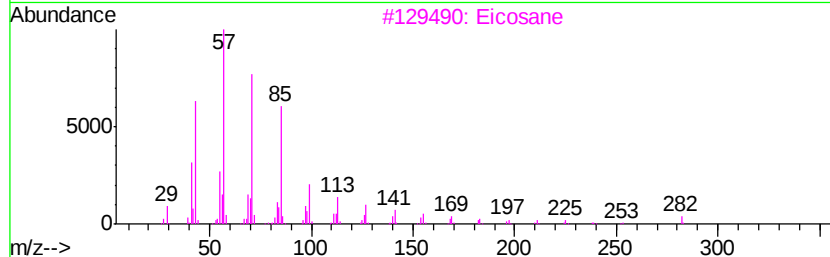
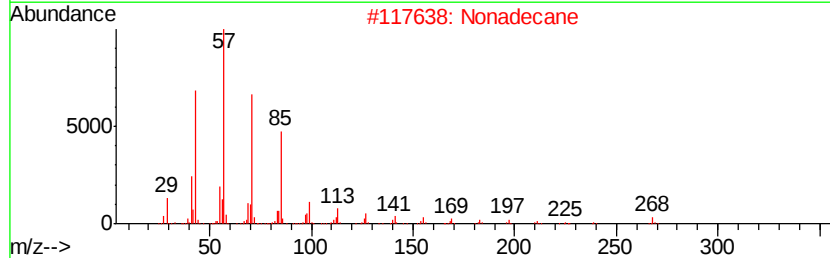
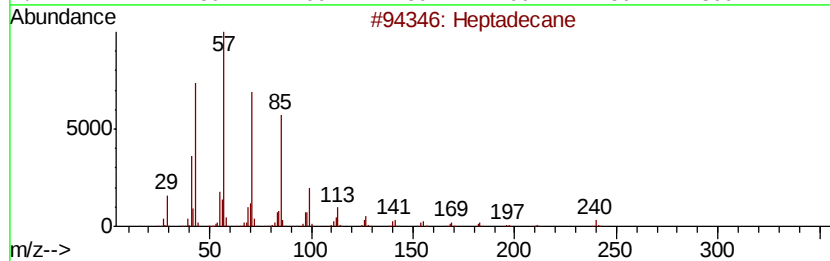
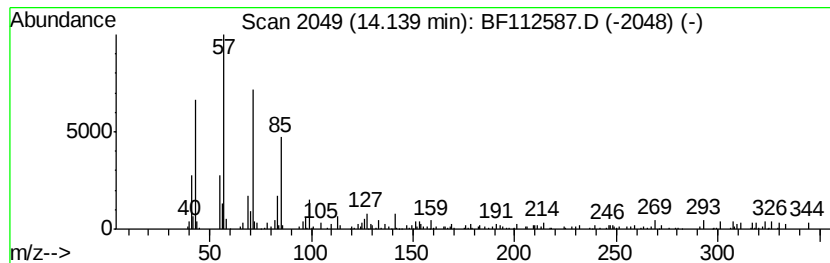
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Heptadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	2.20 ng	123385	Chrysene-d12	14.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	95
2		Nonadecane	268	C19H40	000629-92-5	93
3		Eicosane	282	C20H42	000112-95-8	93
4		Heneicosane	296	C21H44	000629-94-7	90
5		Hexacosane	366	C26H54	000630-01-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
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Sample : K1346-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

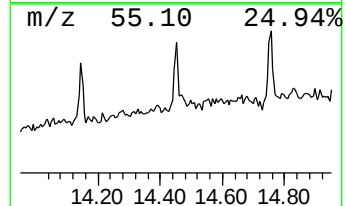
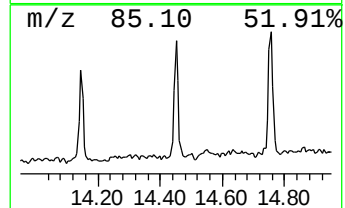
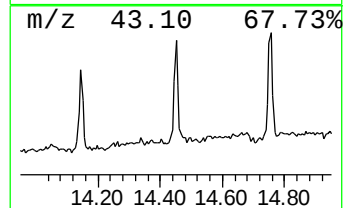
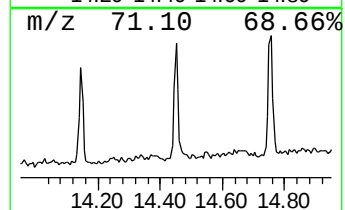
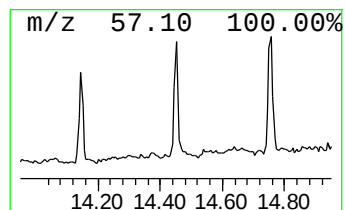
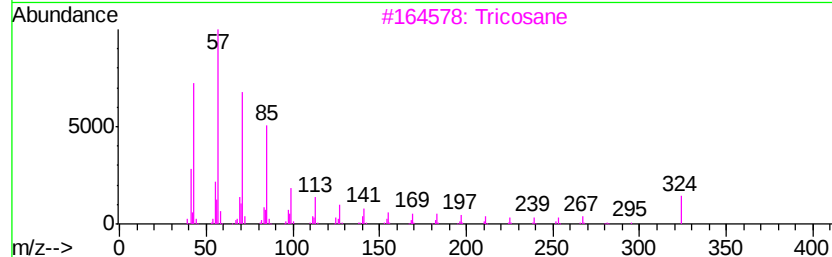
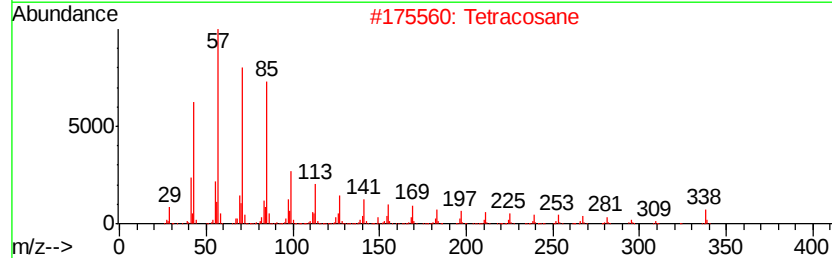
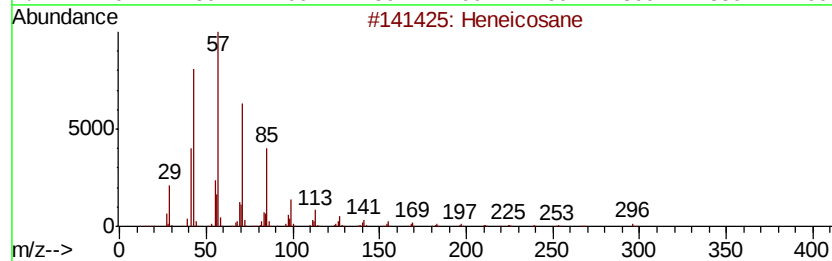
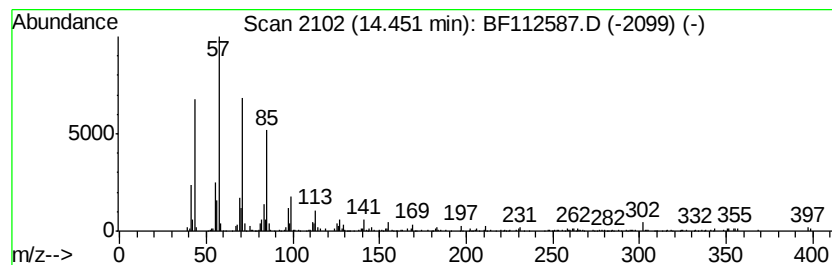
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.45	3.74 ng	209462	Chrysene-d12		14.01
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Tetracosane	338	C24H50	000646-31-1	93
3	Tricosane	324	C23H48	000638-67-5	91
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
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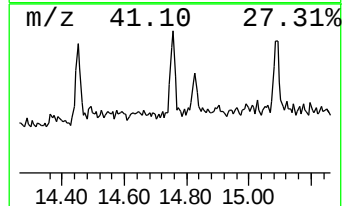
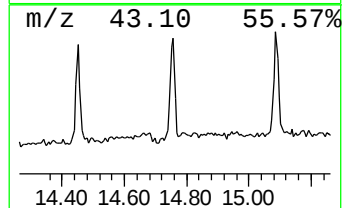
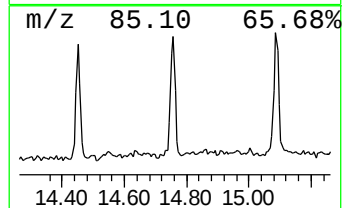
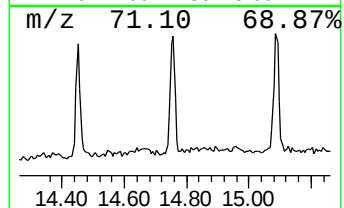
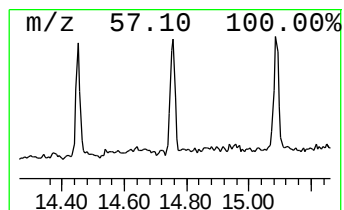
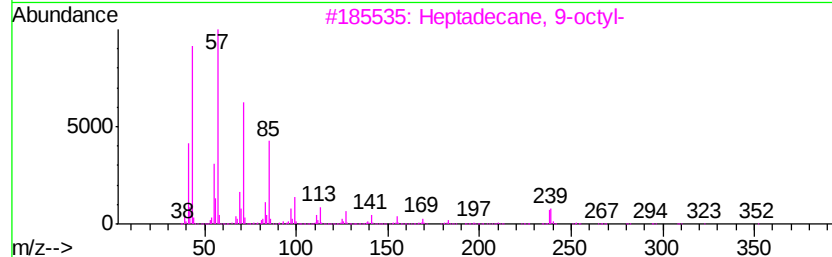
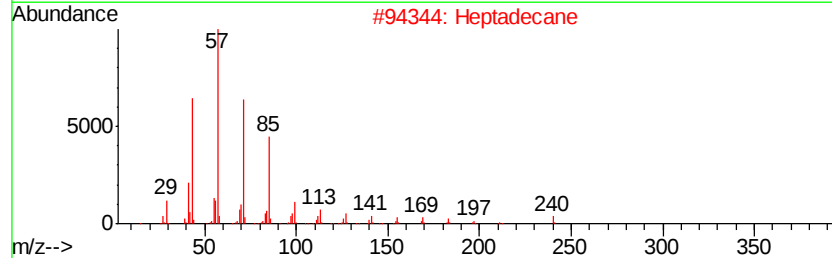
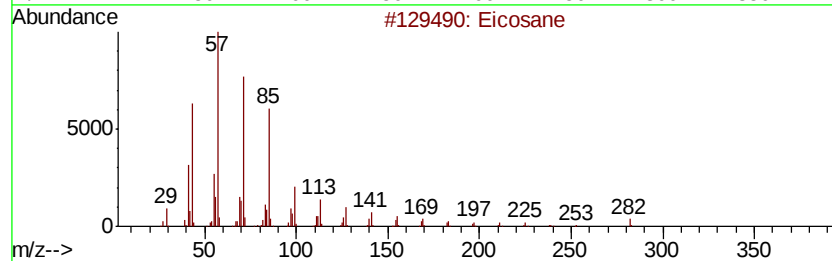
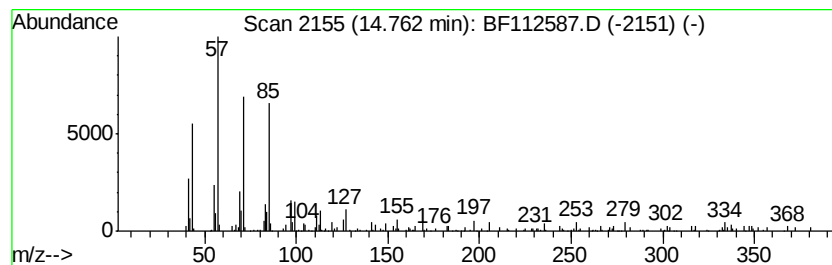
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	6.46 ng	180030	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	95
2		Heptadecane	240	C17H36	000629-78-7	94
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	94
4		Tetracosane	338	C24H50	000646-31-1	90
5		Hexacosane	366	C26H54	000630-01-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021519\
Data File : BF112587.D
Acq On : 15 Feb 2019 19:09
Operator : JU/SJ
Sample : K1346-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-021419-A

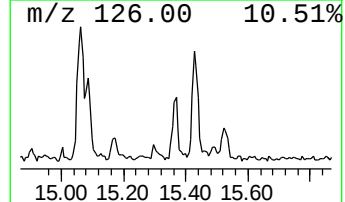
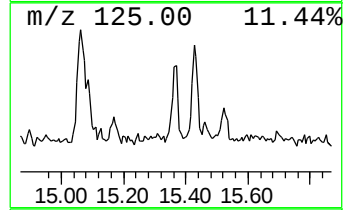
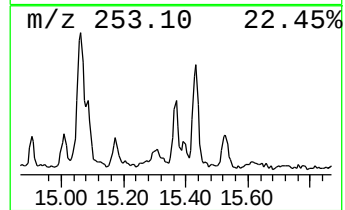
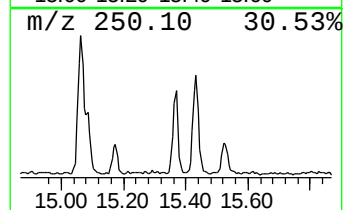
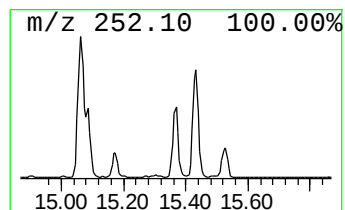
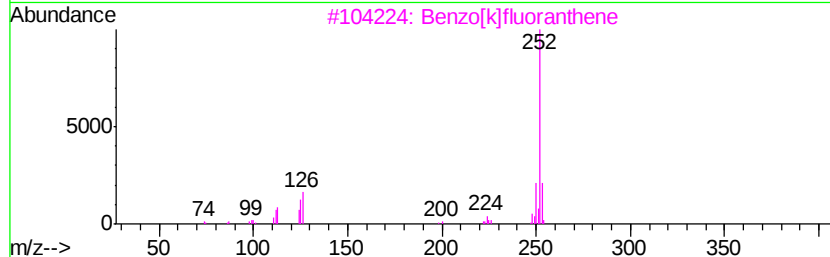
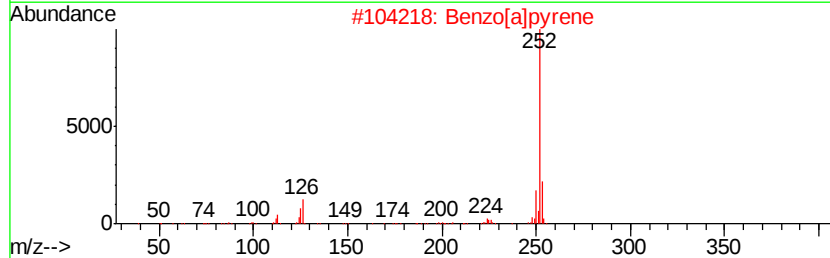
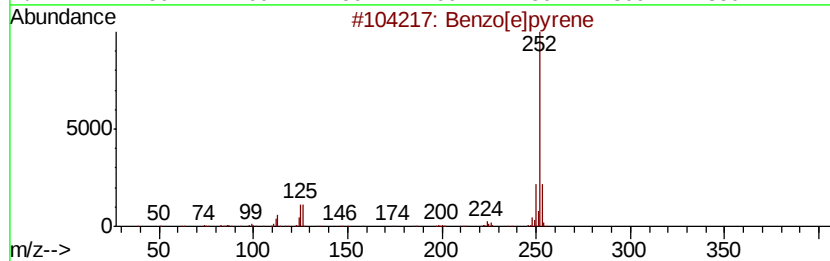
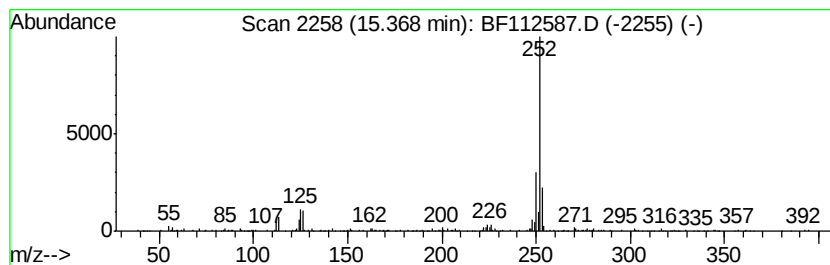
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	4.24 ng	118138	Perylene-d12	15.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[a]pyrene	252	C20H12	000050-32-8	94
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5		Perylene	252	C20H12	000198-55-0	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021519\
Data File : BF112587.D
Acq On : 15 Feb 2019 19:09
Operator : JU/SJ
Sample : K1346-07
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-021419-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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...	5.05	3.3	ng	94469	1	6.83	572302	20.0
unknown6.61	6.61	80.4	ng	2300620	1	6.83	572302	20.0
n-Hexadecanoic acid	11.88	10.1	ng	553813	4	11.36	1099560	20.0
6H-Cyclobuta[jk]p...	11.97	2.1	ng	116086	4	11.36	1099560	20.0
Hexadecane	12.43	2.8	ng	155415	4	11.36	1099560	20.0
unknown12.47	12.47	2.4	ng	130819	4	11.36	1099560	20.0
Octadecanoic acid	12.66	3.0	ng	165017	4	11.36	1099560	20.0
Oxalic acid, isob...	13.83	4.4	ng	247947	5	14.01	1119910	20.0
Heptadecane	14.14	2.2	ng	123385	5	14.01	1119910	20.0
Heneicosane	14.45	3.7	ng	209462	5	14.01	1119910	20.0
Eicosane	14.76	6.5	ng	180030	6	15.49	556997	20.0
Benzo[e]pyrene	15.37	4.2	ng	118138	6	15.49	556997	20.0