

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
 Data File : BF115297.D
 Acq On : 28 Jun 2019 22:22
 Operator : HP/JU
 Sample : K3518-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CP-S2-SOIL

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-BF062119.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	4.431	419	424	429	rBV	145914	170315	2.62%	0.267%
2	5.195	549	554	557	rBV	4595808	5098718	78.43%	7.982%
3	6.242	725	732	734	rBV	4722587	5295562	81.46%	8.290%
4	6.260	734	735	739	rVB	126971	107812	1.66%	0.169%
5	6.366	748	753	756	rBV	5478426	5481454	84.32%	8.581%
6	6.595	788	792	796	rBV	1941179	1513905	23.29%	2.370%
7	6.754	815	819	822	rBV	5143618	4409497	67.83%	6.903%
8	7.160	882	888	891	rBV	3630066	3483688	53.59%	5.454%
9	7.395	925	928	932	rBV	73250	68769	1.06%	0.108%
10	7.878	1006	1010	1013	rBV	2357862	1930261	29.69%	3.022%
11	8.954	1188	1193	1196	rBV	6453313	6286944	96.71%	9.842%
12	9.348	1256	1260	1266	rBV	1087000	859263	13.22%	1.345%
13	9.625	1302	1307	1310	rBV	2430226	2283022	35.12%	3.574%
14	10.407	1435	1440	1443	rBV	4143445	4093006	62.96%	6.408%
15	11.095	1553	1557	1559	rBV	2802644	2459474	37.83%	3.850%
16	11.113	1559	1560	1563	rVV	436296	294152	4.52%	0.460%
17	11.166	1563	1569	1573	rVB	117912	115500	1.78%	0.181%
18	11.589	1636	1641	1644	rBV	101679	109974	1.69%	0.172%
19	11.619	1644	1646	1648	rVV	137883	115601	1.78%	0.181%
20	11.648	1648	1651	1657	rVV3	740802	822169	12.65%	1.287%
21	11.701	1657	1660	1662	rVV	200131	215915	3.32%	0.338%
22	11.724	1662	1664	1669	rVB	100225	90455	1.39%	0.142%
23	12.142	1731	1735	1737	rBV	110451	115704	1.78%	0.181%
24	12.171	1737	1740	1743	rVV	60089	70240	1.08%	0.110%
25	12.295	1757	1761	1765	rBV	724403	647781	9.96%	1.014%
26	12.348	1767	1770	1775	rVV3	73699	86837	1.34%	0.136%
27	12.424	1780	1783	1791	rBV3	255057	337699	5.19%	0.529%
28	12.518	1794	1799	1802	rVV	962416	895944	13.78%	1.403%
29	12.577	1806	1809	1815	rVB3	131093	171633	2.64%	0.269%
30	12.677	1821	1826	1830	rBV	6164113	6500916	100.00%	10.177%
31	12.742	1834	1837	1840	rVB2	71185	79307	1.22%	0.124%
32	12.848	1853	1855	1859	rVB	150366	132585	2.04%	0.208%
33	12.913	1864	1866	1868	rBV	95886	90392	1.39%	0.142%
34	12.954	1870	1873	1876	rVB	118287	127350	1.96%	0.199%

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ClientSampleId :
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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-BF062119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.042	1885	1888	1891	rBV2	108328	92848	1.43%	0.145%
36	13.071	1891	1893	1898	rVB	95596	81268	1.25%	0.127%
37	13.224	1916	1919	1921	rBV2	65554	66607	1.02%	0.104%
38	13.271	1925	1927	1930	rVB	95560	88467	1.36%	0.138%
39	13.460	1956	1959	1962	rBV2	80293	92629	1.42%	0.145%
40	13.607	1980	1984	1997	rBV5	308315	1093945	16.83%	1.713%
41	13.713	1997	2002	2004	rVV2	2492926	2651826	40.79%	4.151%
42	13.736	2004	2006	2008	rVB	409106	314941	4.84%	0.493%
43	13.913	2034	2036	2039	rBV2	128450	113024	1.74%	0.177%
44	14.095	2064	2067	2070	rVB	110922	104328	1.60%	0.163%
45	14.218	2085	2088	2090	rBV	264118	232585	3.58%	0.364%
46	14.512	2135	2138	2141	rVB	238406	220694	3.39%	0.345%
47	14.701	2166	2170	2172	rBV	356858	457424	7.04%	0.716%
48	14.807	2186	2188	2192	rVB	247315	248014	3.82%	0.388%
49	14.960	2211	2214	2219	rVB	234750	257773	3.97%	0.404%
50	15.012	2220	2223	2228	rBV	318390	338304	5.20%	0.530%
51	15.071	2228	2233	2237	rBV	1742470	2078557	31.97%	3.254%
52	15.142	2242	2245	2253	rVB	209054	283359	4.36%	0.444%
53	15.524	2306	2310	2313	rBV	175132	241553	3.72%	0.378%
54	16.324	2443	2446	2455	rVB2	145544	257915	3.97%	0.404%

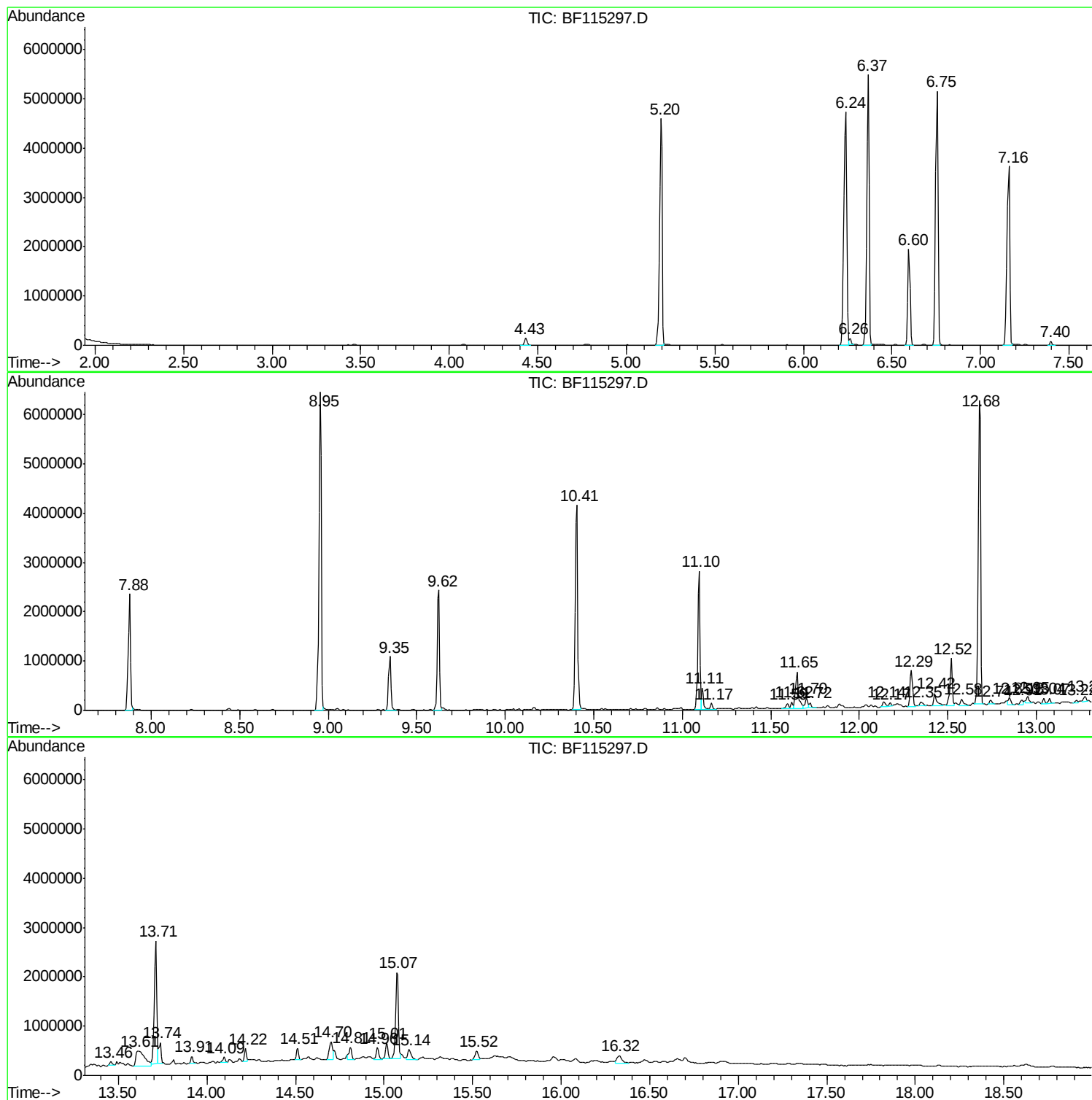
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
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ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CP-S2-SOIL

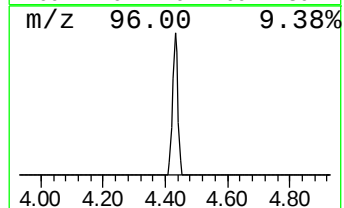
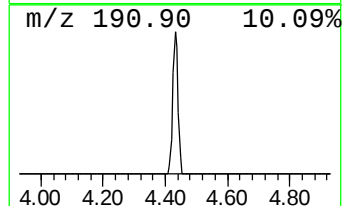
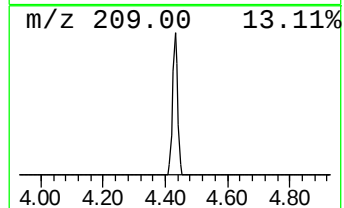
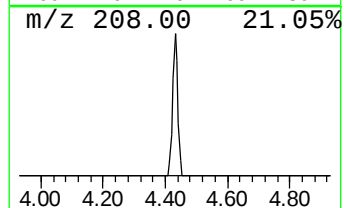
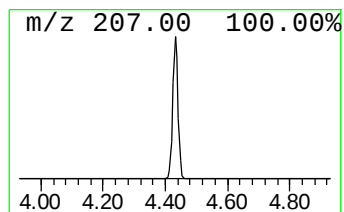
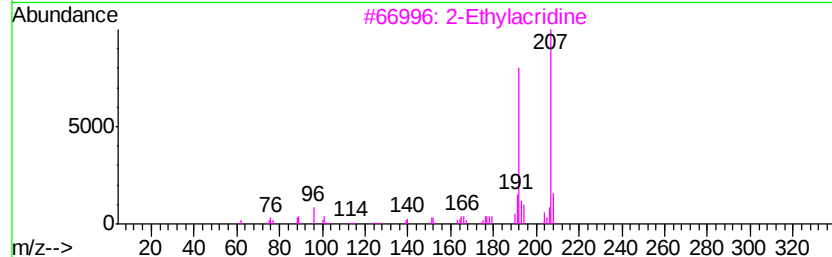
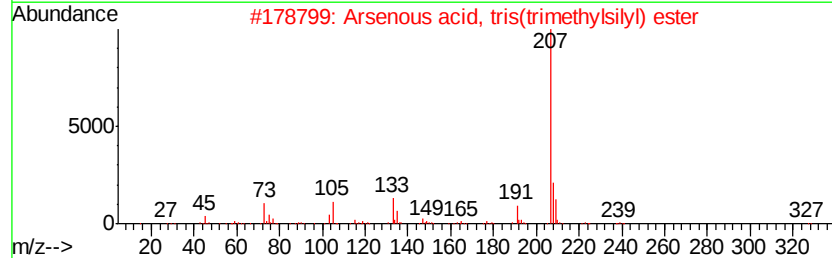
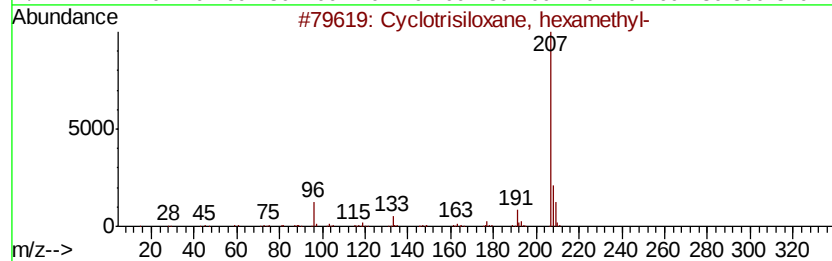
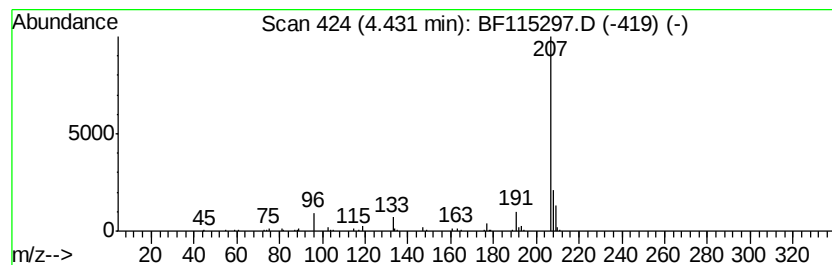
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Cyclotrisiloxane, hexamethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.43	2.25 ng	170315	1,4-Dichlorobenzene-d4	6.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	91
2		Arsenous acid, tris(trimethylsilyl) ester	342	C9H27AsO3Si3	055429-29-3	72
3		2-Ethylacridine	207	C15H13N	055751-83-2	45
4		Benzo[h]quinoline, 2,4-dimethyl-	207	C15H13N	000605-67-4	39
5		1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	38



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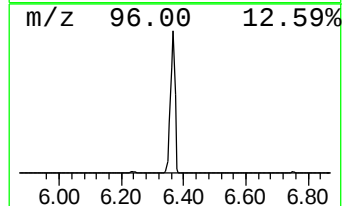
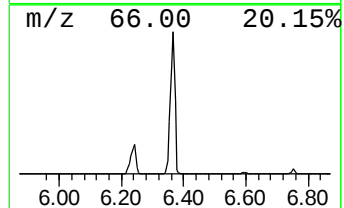
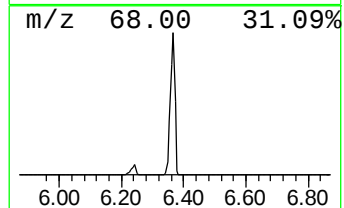
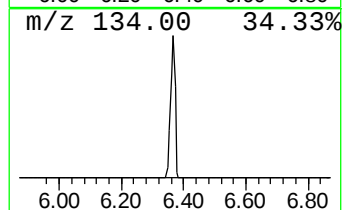
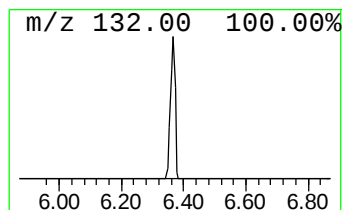
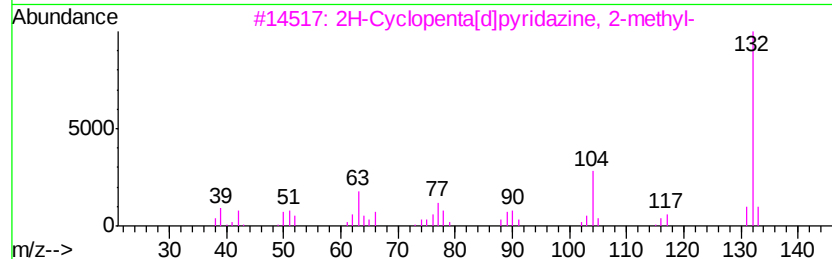
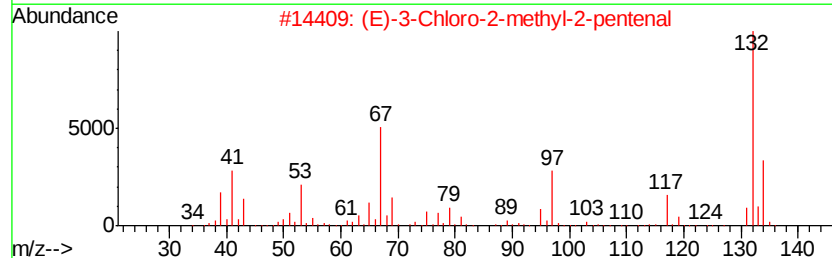
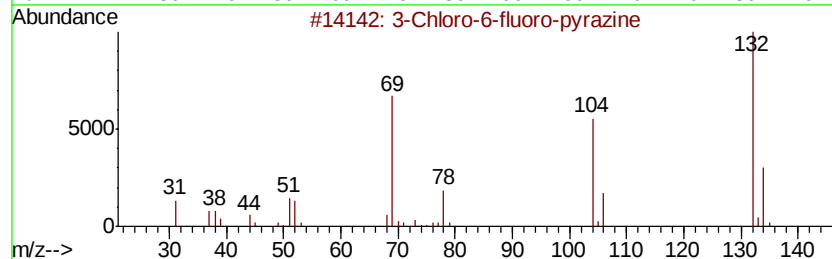
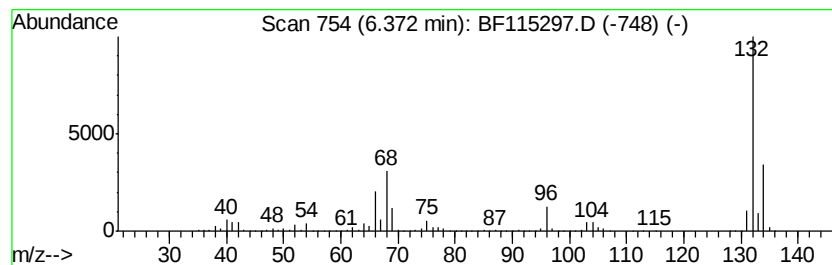
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.37 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.37	72.41 ng	5481450	1,4-Dichlorobenzene-d4	6.60

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		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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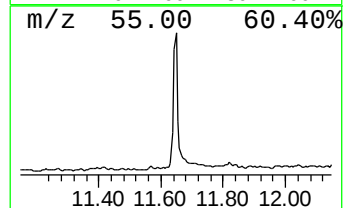
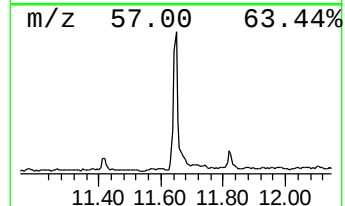
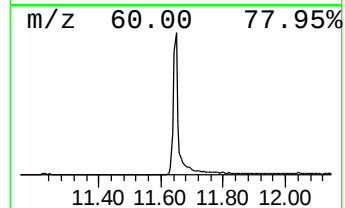
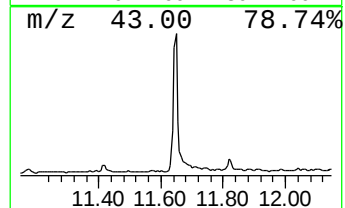
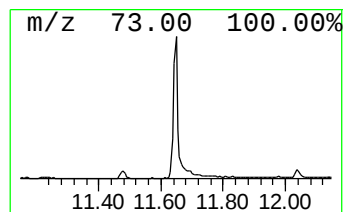
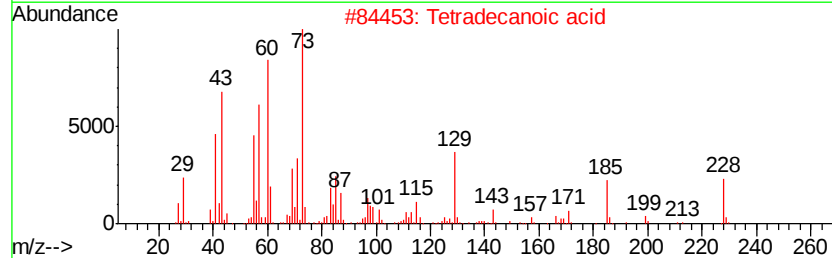
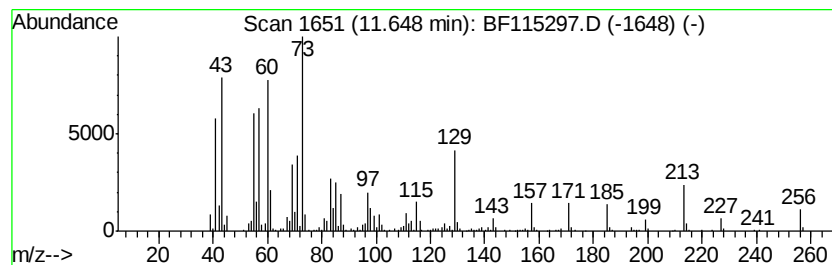
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.65	6.69 ng	822169	Phenanthrene-d10		11.10
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	94
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tridecanoic acid	214	C13H26O2	000638-53-9	70
5	n-Decanoic acid	172	C10H20O2	000334-48-5	62



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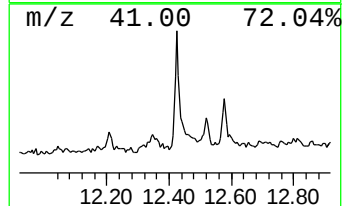
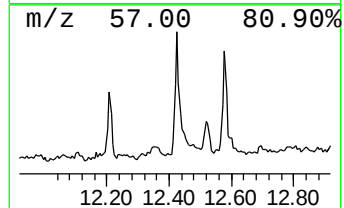
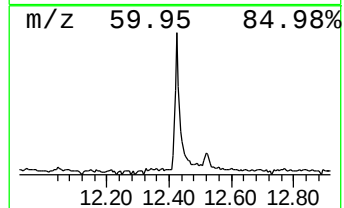
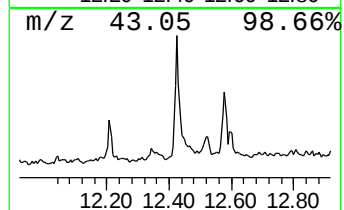
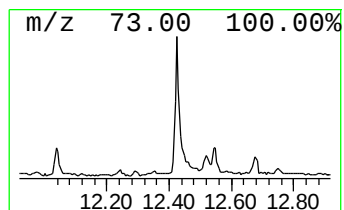
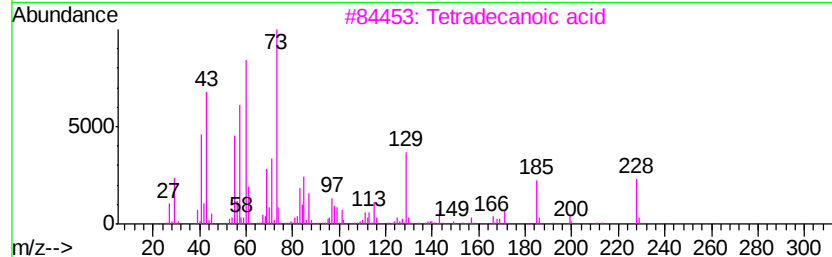
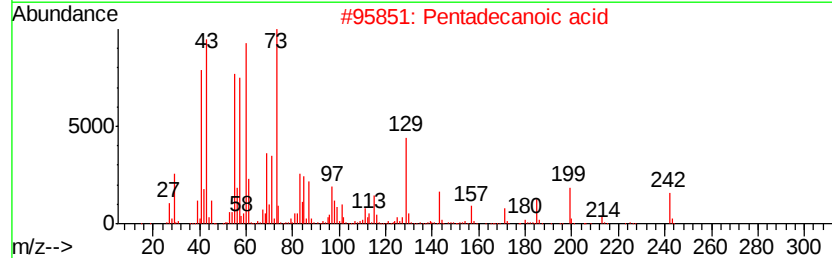
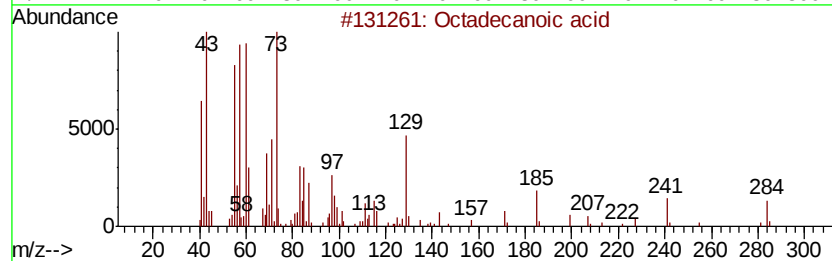
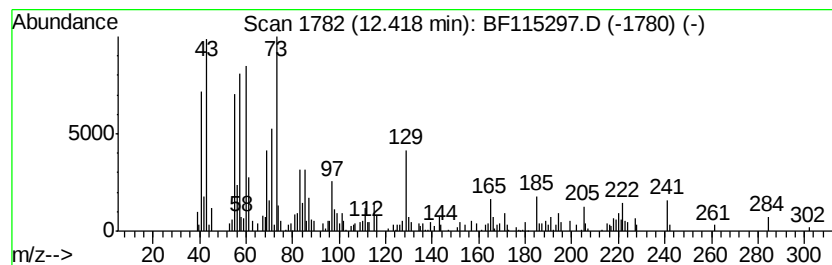
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.42	2.55 ng	337699	Chrysene-d12		13.71
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	68
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	62
5	n-Decanoic acid	172	C10H20O2	000334-48-5	50



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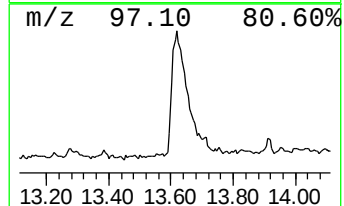
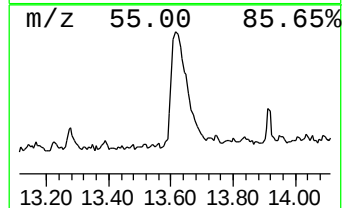
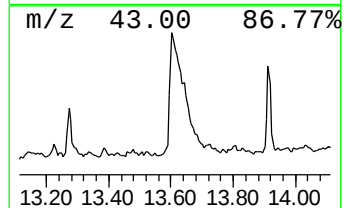
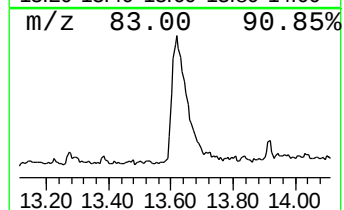
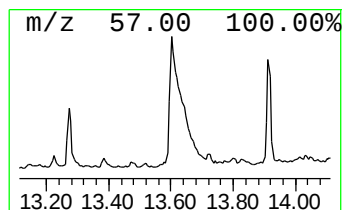
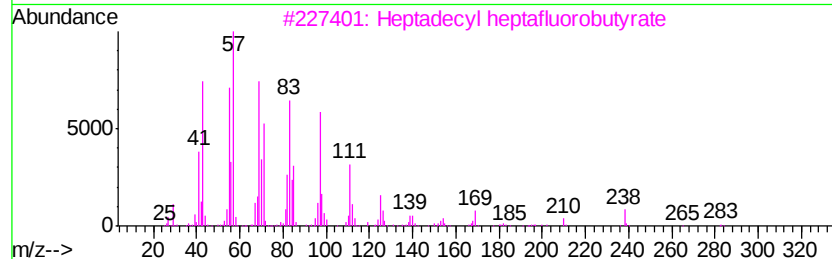
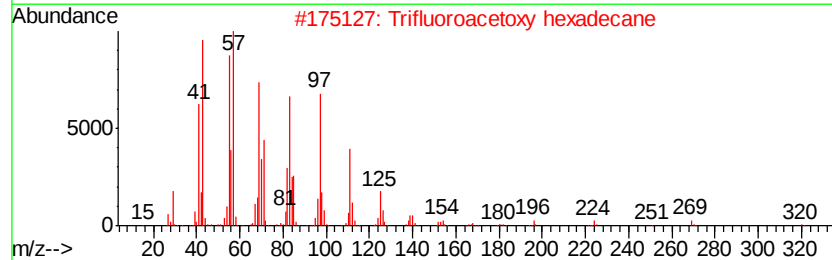
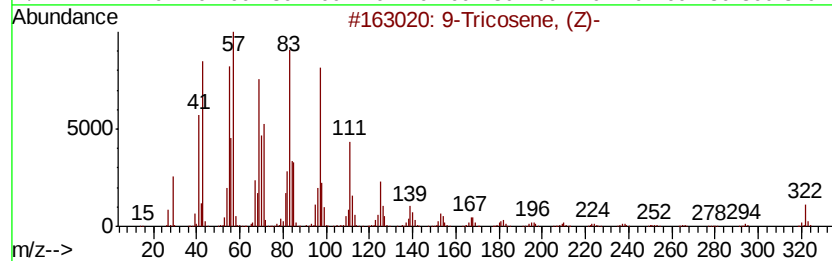
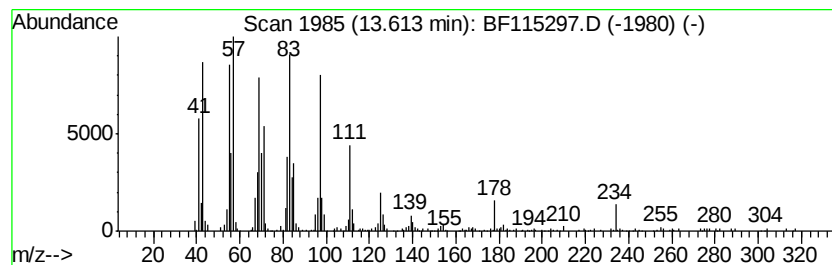
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9-Tricosene, (Z)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	8.25 ng	1093950	Chrysene-d12	13.71

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9-Tricosene, (Z)-	322	C23H46	027519-02-4	93
2		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	92
3		Heptadecyl heptafluorobutylate	452	C21H35F7O2	959085-66-6	91
4		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	90
5		1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
Data File : BF115297.D
Acq On : 28 Jun 2019 22:22
Operator : HP/JU
Sample : K3518-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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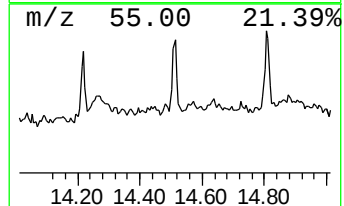
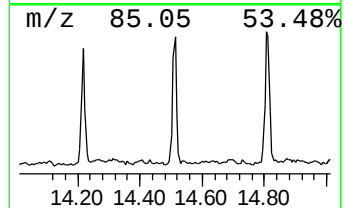
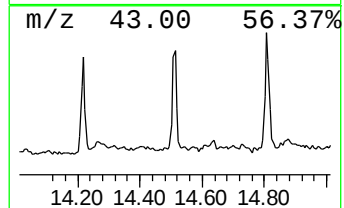
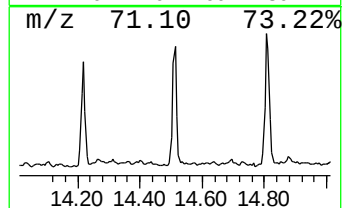
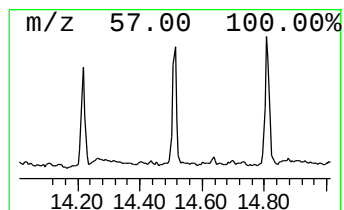
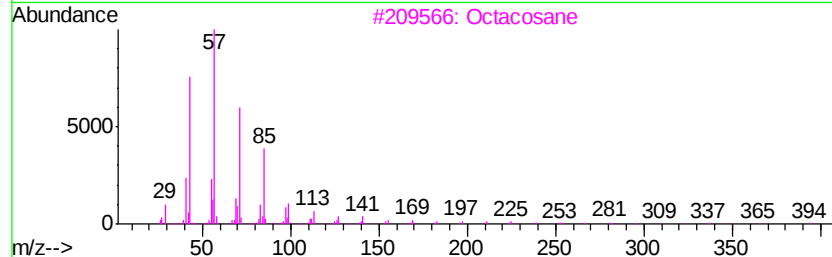
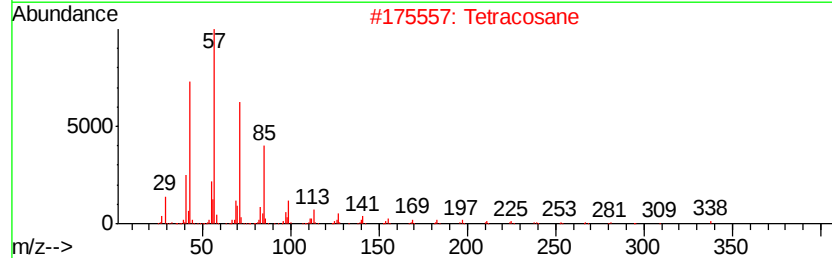
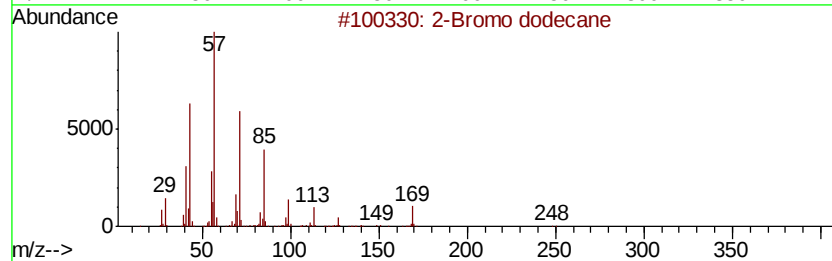
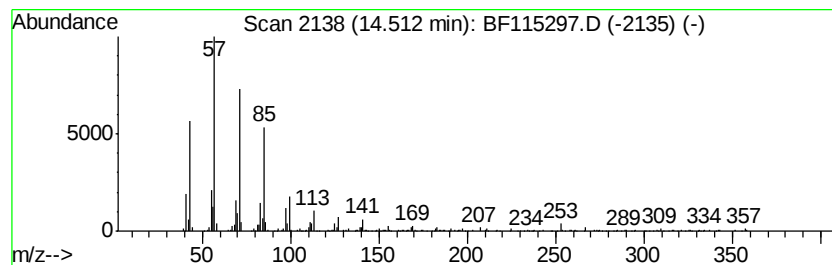
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 2-Bromo dodecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	2.12 ng	220694	Perylene-d12	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
2		Tetracosane	338	C24H50	000646-31-1	91
3		Octacosane	394	C28H58	000630-02-4	91
4		Hexacosane	366	C26H54	000630-01-3	91
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
Data File : BF115297.D
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ClientSampleId :
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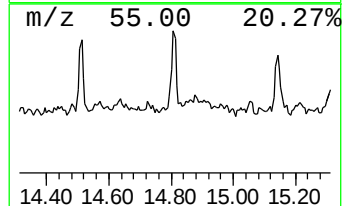
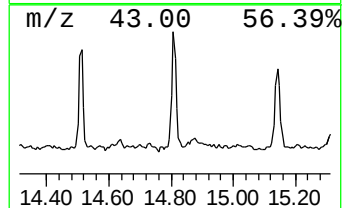
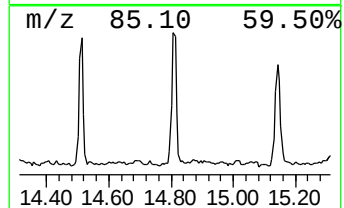
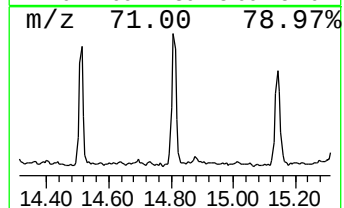
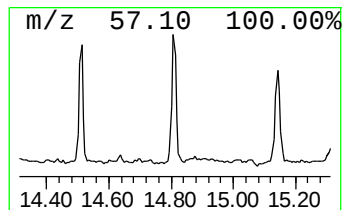
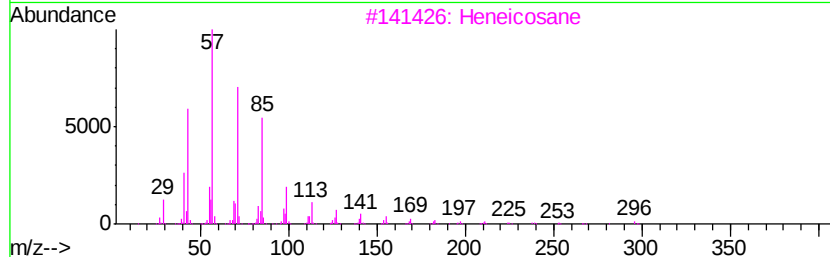
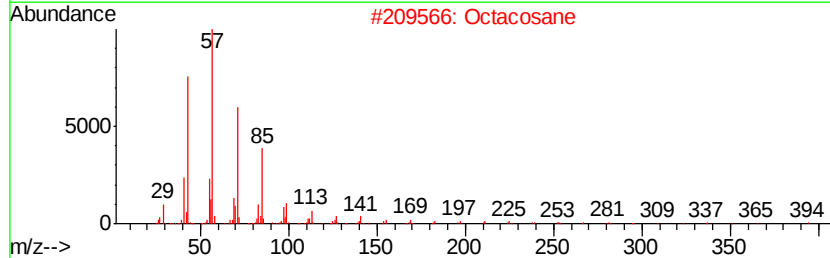
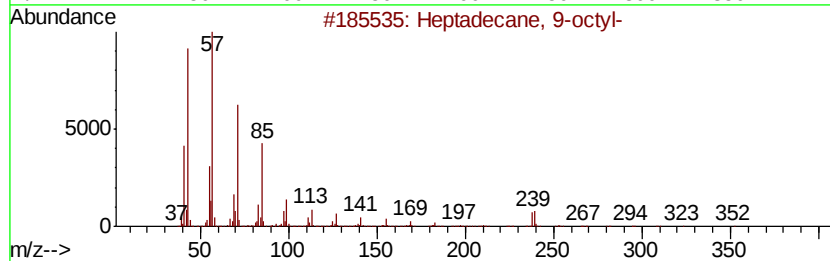
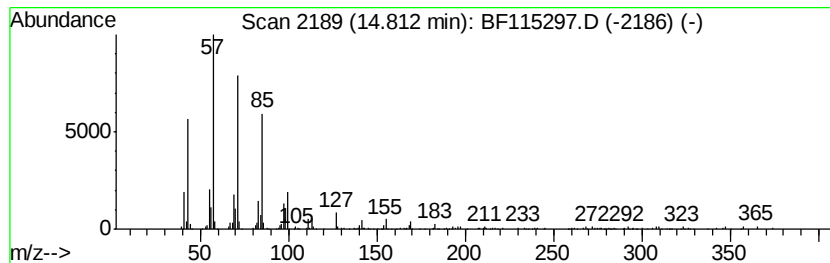
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heptadecane, 9-octyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	2.39 ng	248014	Perylene-d12	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95
2		Octacosane	394	C28H58	000630-02-4	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
5		Heptadecane	240	C17H36	000629-78-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
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Misc :
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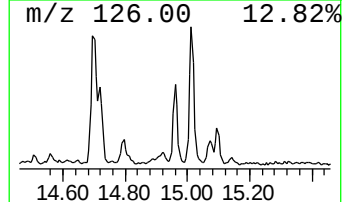
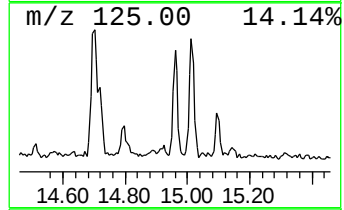
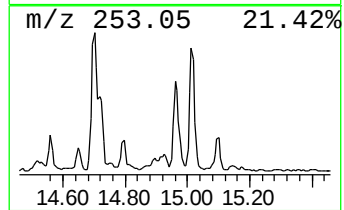
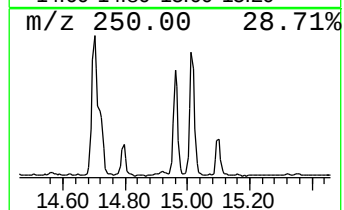
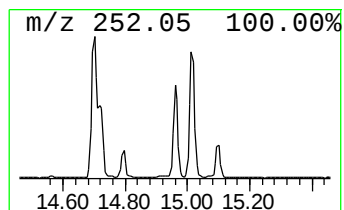
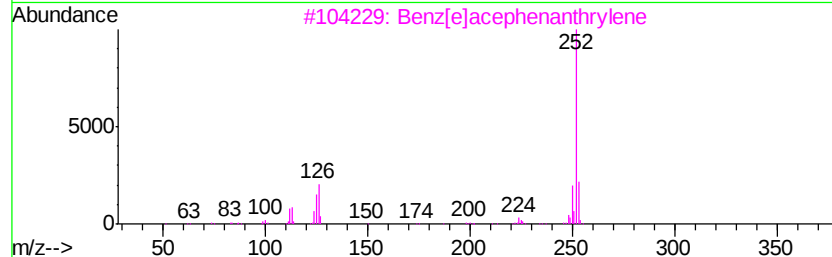
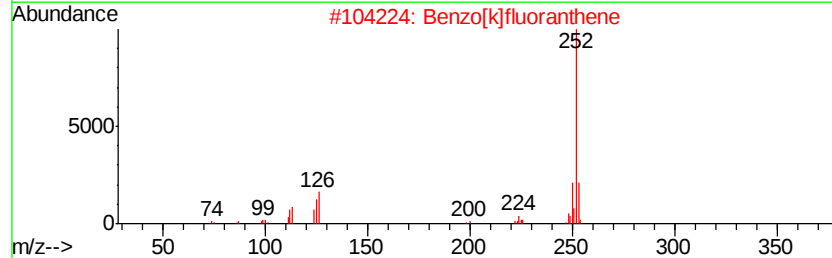
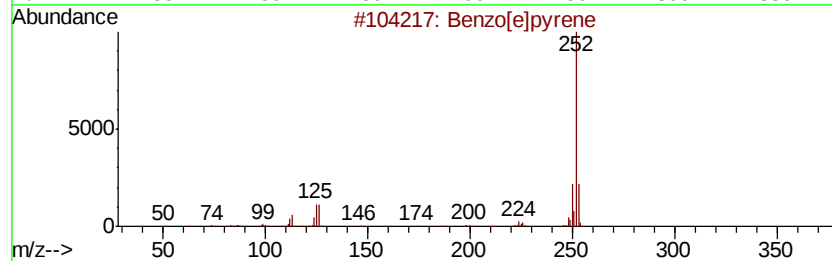
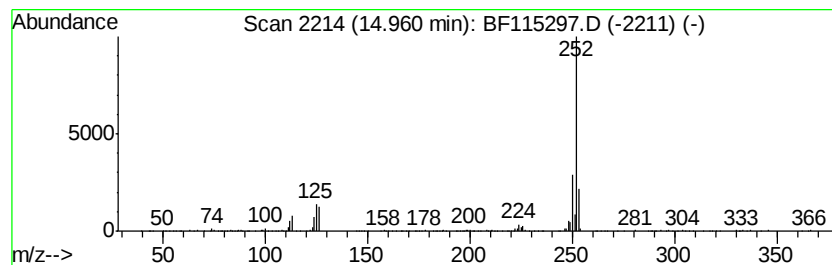
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	2.48 ng	257773	Perylene-d12	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
Data File : BF115297.D
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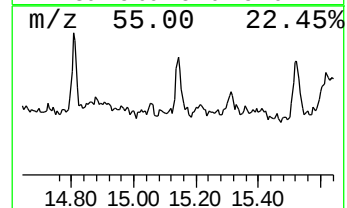
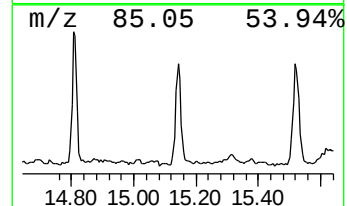
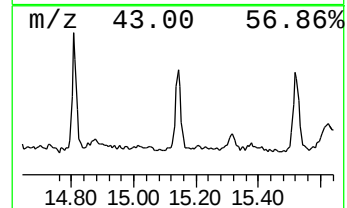
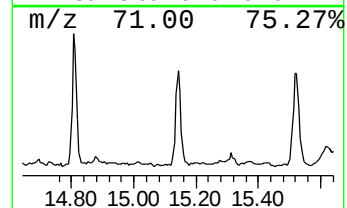
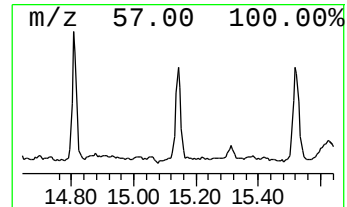
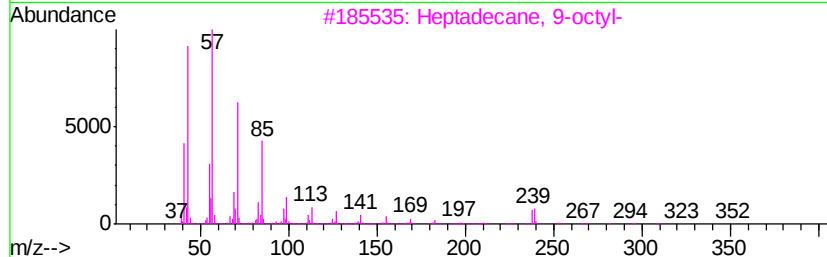
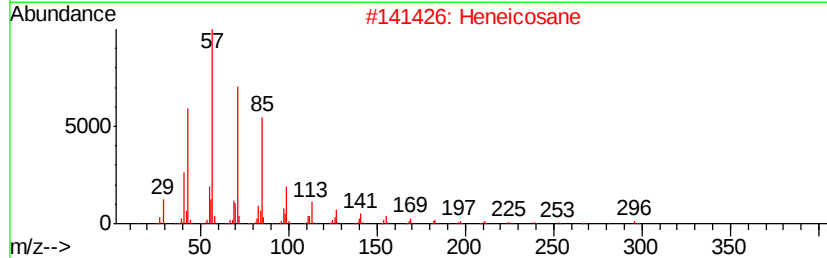
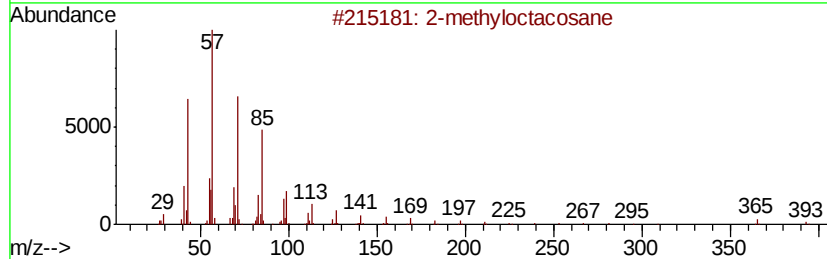
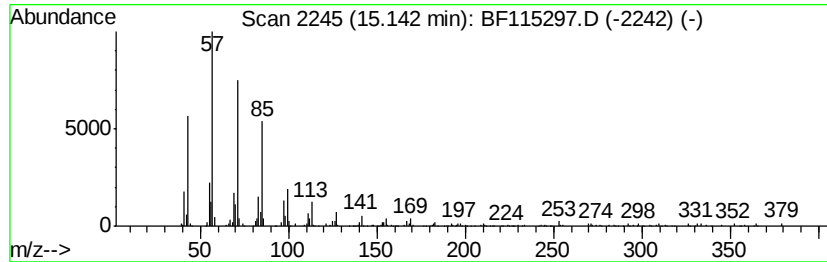
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 2-methyloctacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	2.73 ng	283359	Perylene-d12	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-methyloctacosane	408	C29H60	1000376-72-8	91
2		Heneicosane	296	C21H44	000629-94-7	91
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4		Hexacosane	366	C26H54	000630-01-3	90
5		Heptacosane	380	C27H56	000593-49-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
Data File : BF115297.D
Acq On : 28 Jun 2019 22:22
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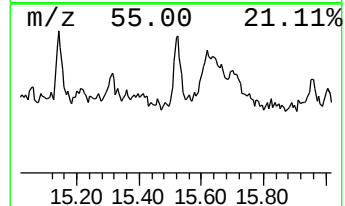
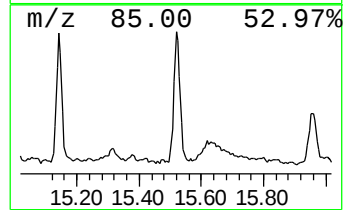
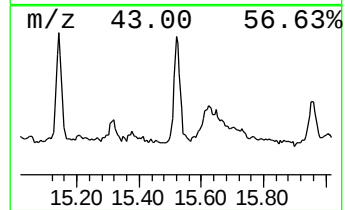
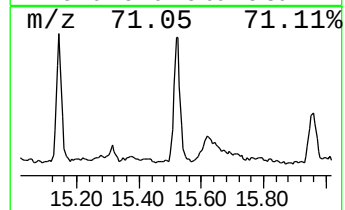
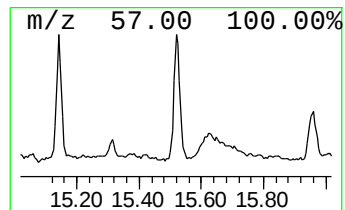
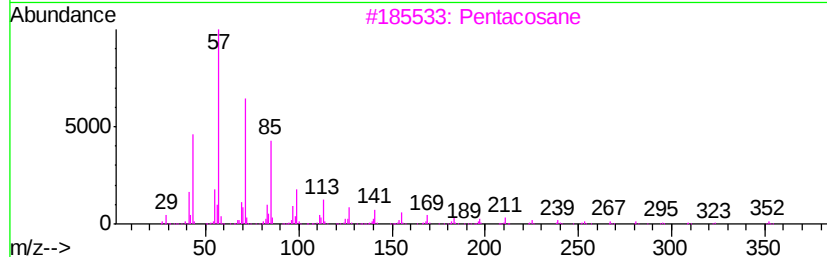
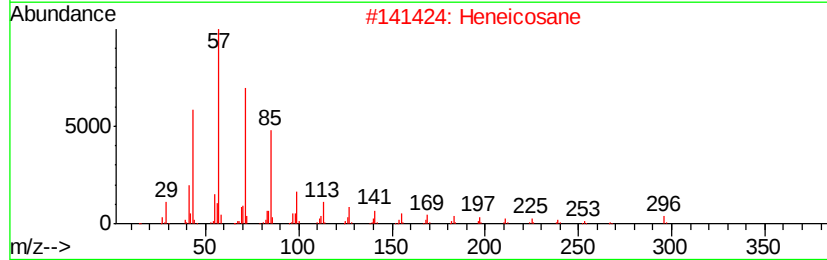
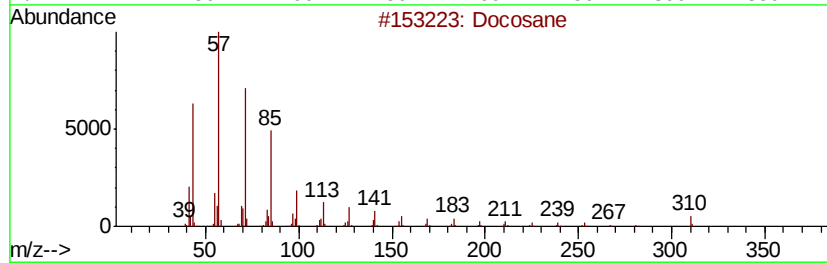
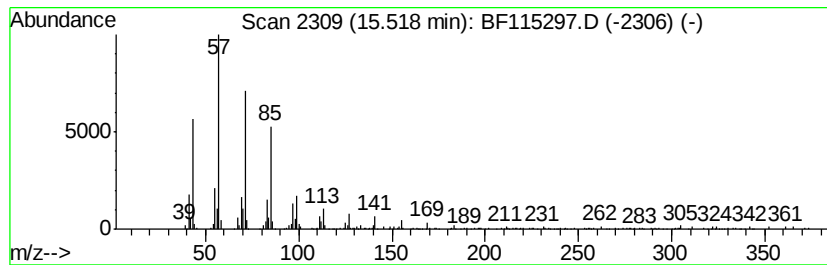
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Docosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	2.32 ng	241553	Perylene-d12	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Docosane	310	C22H46	000629-97-0	90
2		Heneicosane	296	C21H44	000629-94-7	90
3		Pentacosane	352	C25H52	000629-99-2	90
4		Hexacosane, 9-octyl-	479	C34H70	055429-83-9	87
5		Tetracosane	338	C24H50	000646-31-1	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
Data File : BF115297.D
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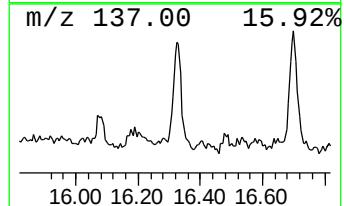
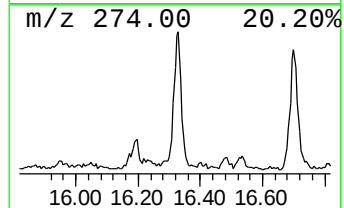
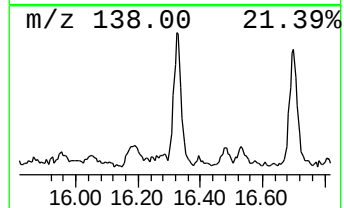
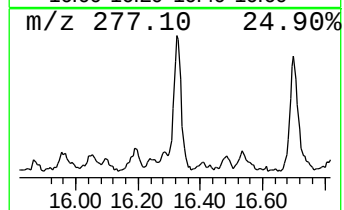
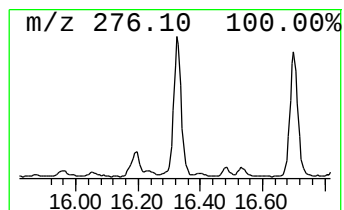
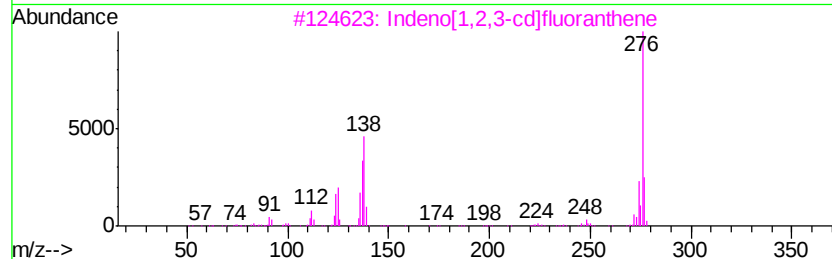
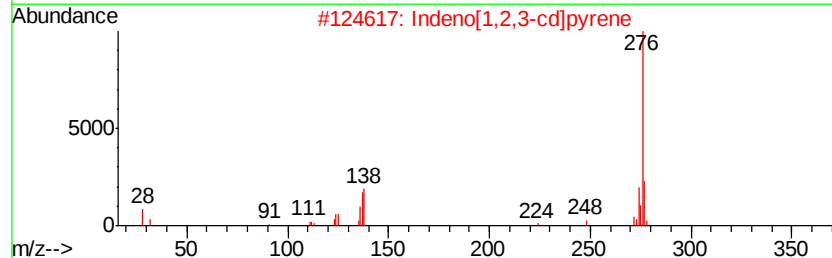
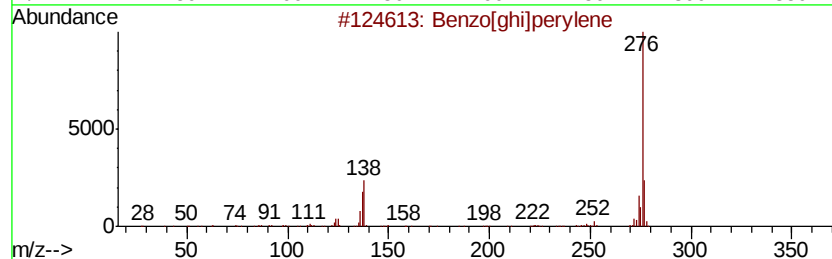
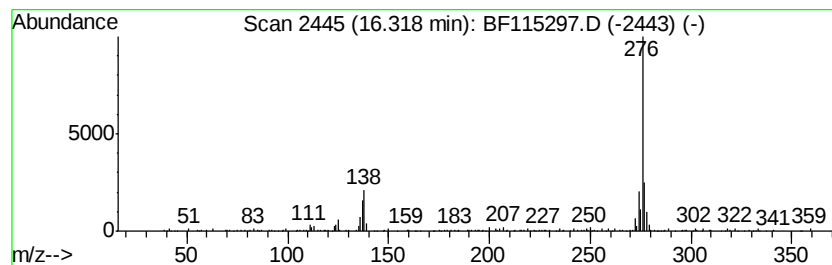
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	2.48 ng	257915	Perylene-d12	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
2		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
3		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	90
4		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	90
5		Phosphoric acid, 4-methoxy-2-(me...	276	C11H17O6P	094420-71-0	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062819\
Data File : BF115297.D
Acq On : 28 Jun 2019 22:22
Operator : HP/JU
Sample : K3518-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CP-S2-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.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
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unknown6.37	6.37	72.4	ng	5481450	1	6.60	1513910	20.0
n-Hexadecanoic acid	11.65	6.7	ng	822169	4	11.10	2459470	20.0
Octadecanoic acid	12.42	2.5	ng	337699	5	13.71	2651830	20.0
9-Tricosene, (Z)-	13.61	8.3	ng	1093950	5	13.71	2651830	20.0
2-Bromo dodecane	14.51	2.1	ng	220694	6	15.08	2078560	20.0
Heptadecane, 9-oc...	14.81	2.4	ng	248014	6	15.08	2078560	20.0
Benzo[e]pyrene	14.96	2.5	ng	257773	6	15.08	2078560	20.0
2-methyloctacosane	15.14	2.7	ng	283359	6	15.08	2078560	20.0
Docosane	15.52	2.3	ng	241553	6	15.08	2078560	20.0
Dibenzo[def,mno]c...	16.32	2.5	ng	257915	6	15.08	2078560	20.0