

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104571.D
 Acq On : 17 Apr 2018 19:44
 Operator : JU/SJ
 Sample : J2387-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20180239-COMPOSITE-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:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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	5.016	493	498	503	rBV	92658	123423	4.70%	0.454%
2	5.422	563	567	576	rBV	2698375	2587944	98.57%	9.516%
3	6.063	670	676	681	rBV	22031	33335	1.27%	0.123%
4	6.445	736	741	744	rBV	2576979	2533130	96.48%	9.314%
5	6.575	759	763	767	rBV	2764922	2625595	100.00%	9.654%
6	6.804	798	802	805	rBV	1053325	808361	30.79%	2.972%
7	6.963	825	829	832	rBV	2228088	1958419	74.59%	7.201%
8	7.369	893	898	901	rBV	1751732	1554924	59.22%	5.717%
9	8.087	1017	1020	1024	rBV	1243894	1049147	39.96%	3.858%
10	9.163	1199	1203	1206	rBV	2893955	2442111	93.01%	8.980%
11	9.239	1213	1216	1219	rBV2	29775	30344	1.16%	0.112%
12	9.498	1257	1260	1264	rBV3	29315	36494	1.39%	0.134%
13	9.557	1266	1270	1278	rVV	314089	282980	10.78%	1.041%
14	9.704	1292	1295	1299	rBV	141003	115092	4.38%	0.423%
15	9.769	1304	1306	1310	rVB	76343	56283	2.14%	0.207%
16	9.845	1315	1319	1322	rVV	1254525	1088956	41.47%	4.004%
17	9.875	1322	1324	1327	rVB	40113	32328	1.23%	0.119%
18	10.045	1348	1353	1357	rVB3	18392	29325	1.12%	0.108%
19	10.086	1357	1360	1364	rBV4	27215	28231	1.08%	0.104%
20	10.245	1384	1387	1389	rBV2	34137	39097	1.49%	0.144%
21	10.269	1389	1391	1393	rVB	93712	67200	2.56%	0.247%
22	10.404	1409	1414	1417	rVB3	17883	30285	1.15%	0.111%
23	10.486	1424	1428	1434	rVB4	31831	56670	2.16%	0.208%
24	10.633	1449	1453	1457	rBV	1640201	1491979	56.82%	5.486%
25	10.745	1469	1472	1477	rBV3	77737	117506	4.48%	0.432%
26	10.933	1501	1504	1507	rBV3	33328	48191	1.84%	0.177%
27	11.069	1523	1527	1529	rBV3	29339	35845	1.37%	0.132%
28	11.092	1529	1531	1533	rVB	37433	28354	1.08%	0.104%
29	11.192	1545	1548	1551	rBV2	43269	42907	1.63%	0.158%
30	11.228	1551	1554	1558	rVB2	37749	47022	1.79%	0.173%
31	11.333	1568	1572	1574	rBV	1174957	976198	37.18%	3.590%
32	11.357	1574	1576	1581	rVV	153363	129844	4.95%	0.477%
33	11.404	1581	1584	1587	rVB	98097	89981	3.43%	0.331%
34	11.439	1587	1590	1593	rBV3	21302	29535	1.12%	0.109%

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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:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.663	1626	1628	1634	rVB	31417	35090	1.34%	0.129%
36	11.833	1654	1657	1659	rBV	85205	83078	3.16%	0.305%
37	11.857	1659	1661	1665	rVB2	154969	145491	5.54%	0.535%
38	11.910	1667	1670	1673	rVB	84986	71064	2.71%	0.261%
39	11.945	1673	1676	1679	rBV	141922	156462	5.96%	0.575%
40	12.127	1705	1707	1711	rBV	52895	53748	2.05%	0.198%
41	12.380	1747	1750	1754	rBV	96609	113746	4.33%	0.418%
42	12.545	1775	1778	1782	rBV	306234	289453	11.02%	1.064%
43	12.586	1783	1785	1787	rVV2	47042	45904	1.75%	0.169%
44	12.639	1792	1794	1797	rVV	99427	87790	3.34%	0.323%
45	12.774	1812	1817	1823	rVB	384260	446875	17.02%	1.643%
46	12.922	1838	1842	1845	rBV	2043831	1809567	68.92%	6.654%
47	12.992	1851	1854	1857	rBV	83064	105450	4.02%	0.388%
48	13.104	1871	1873	1875	rVB	147094	106426	4.05%	0.391%
49	13.169	1882	1884	1887	rBV	131146	99200	3.78%	0.365%
50	13.210	1888	1891	1894	rVB	107349	90822	3.46%	0.334%
51	13.274	1900	1902	1905	rBV	108412	108932	4.15%	0.401%
52	13.304	1905	1907	1910	rVB	94942	77134	2.94%	0.284%
53	13.333	1910	1912	1914	rBV	109036	93096	3.55%	0.342%
54	13.810	1990	1993	1997	rBV	341496	323244	12.31%	1.189%
55	13.974	2017	2021	2024	rBV2	859783	983538	37.46%	3.616%
56	14.004	2024	2026	2032	rVB	234096	201978	7.69%	0.743%
57	14.333	2080	2082	2085	rBV	146210	154294	5.88%	0.567%
58	15.380	2257	2260	2264	rVB	139930	144596	5.51%	0.532%
59	15.439	2266	2270	2276	rVB	544866	721912	27.50%	2.654%

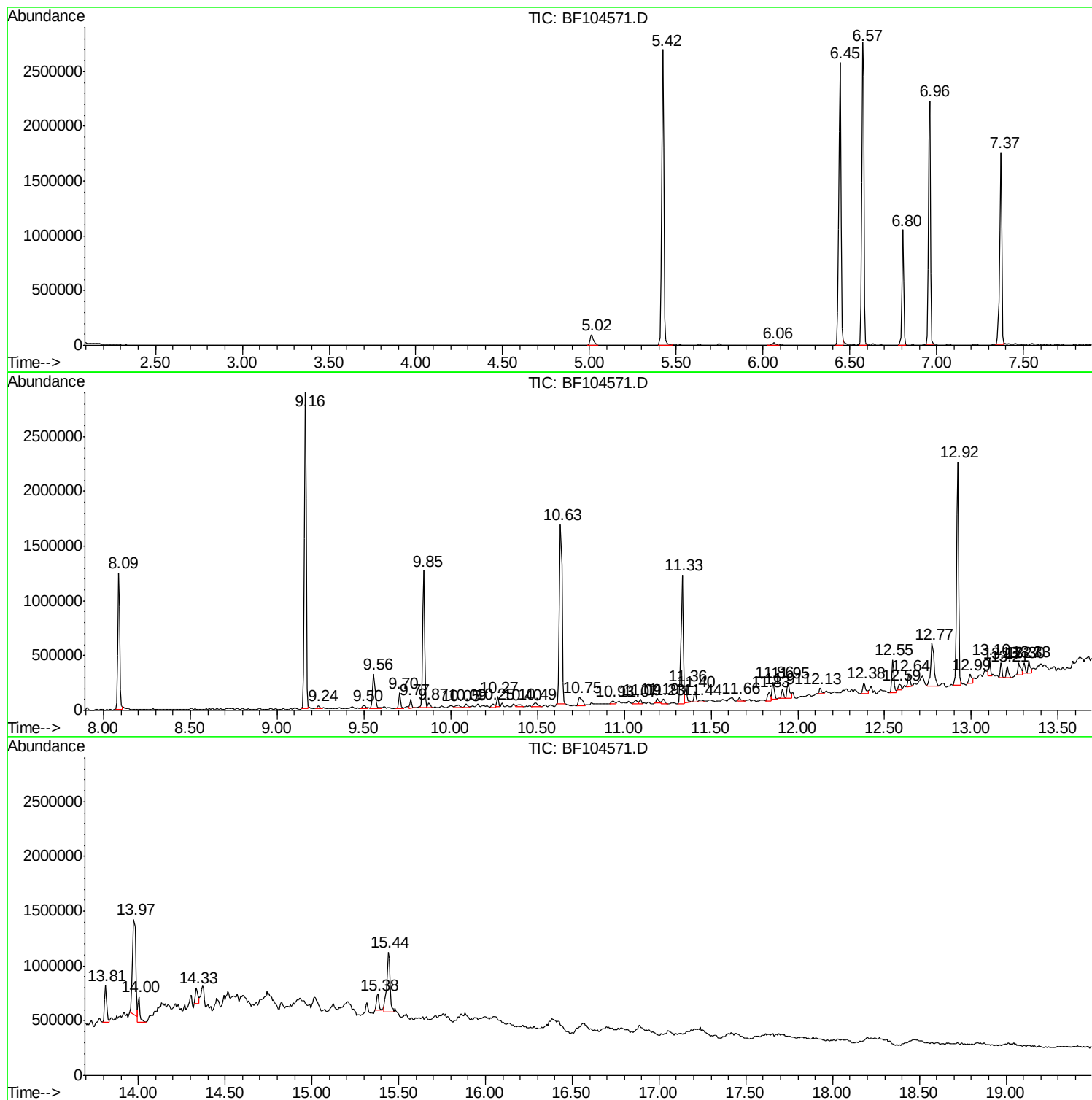
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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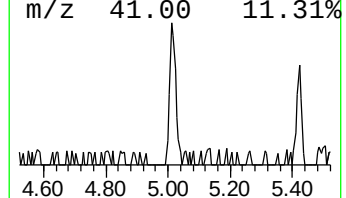
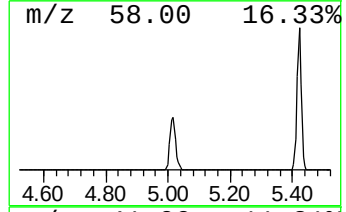
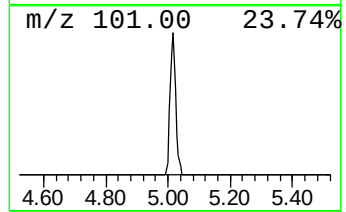
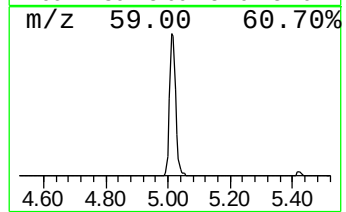
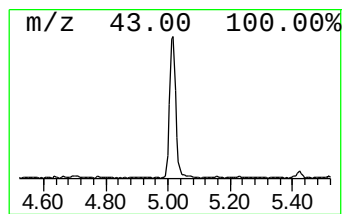
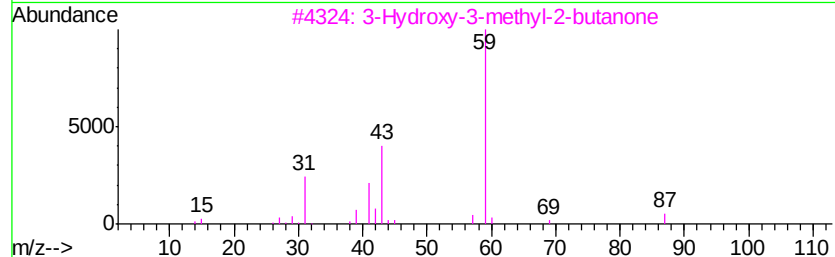
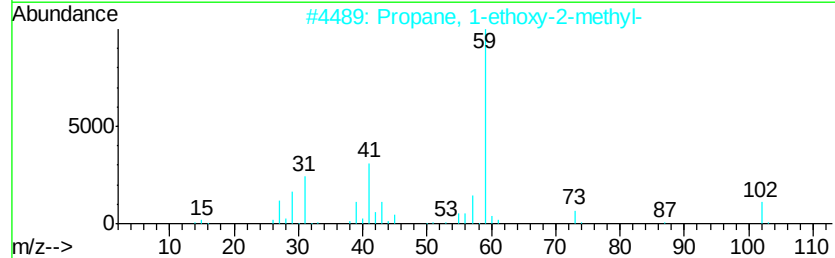
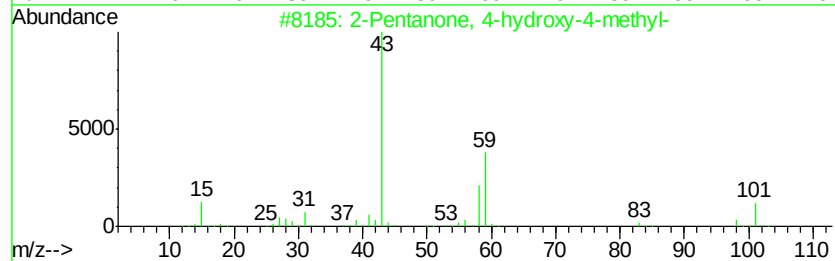
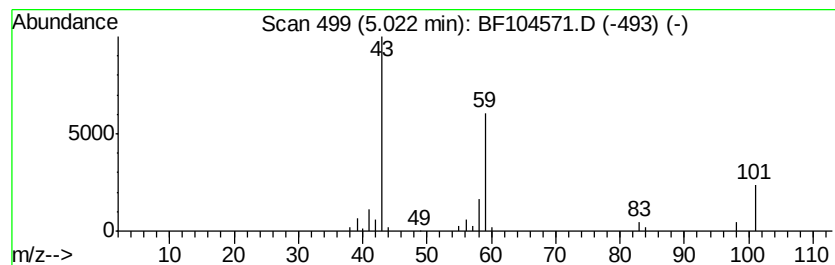
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	3.05 ng	123423	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	40	
2	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	38	
3	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	12	
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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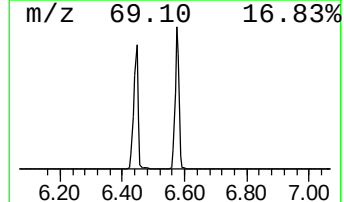
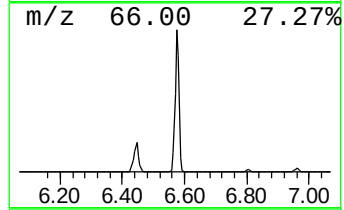
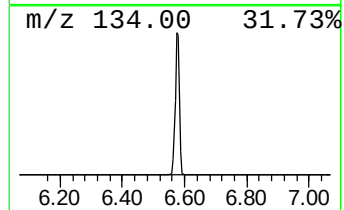
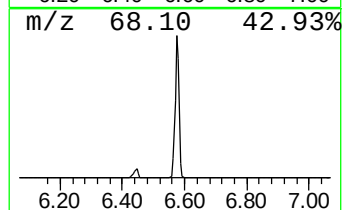
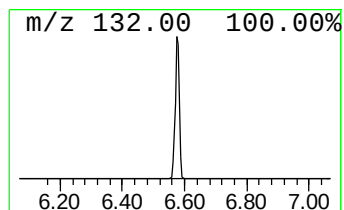
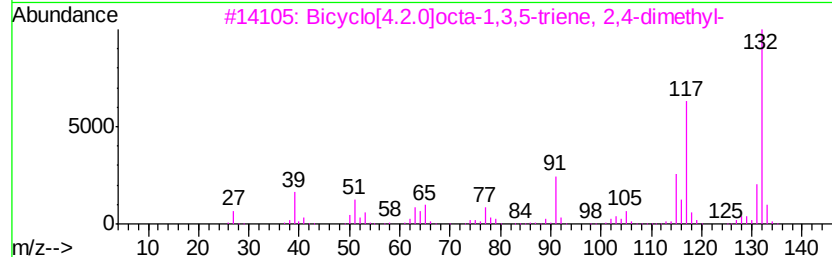
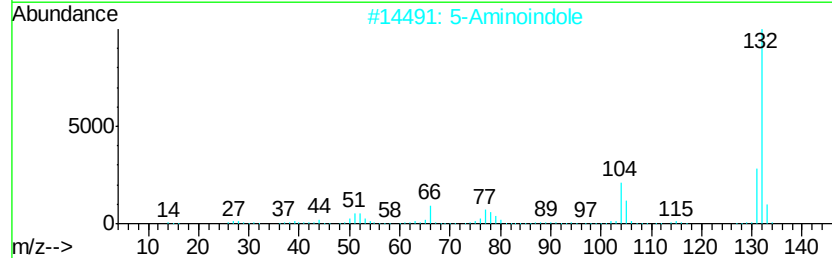
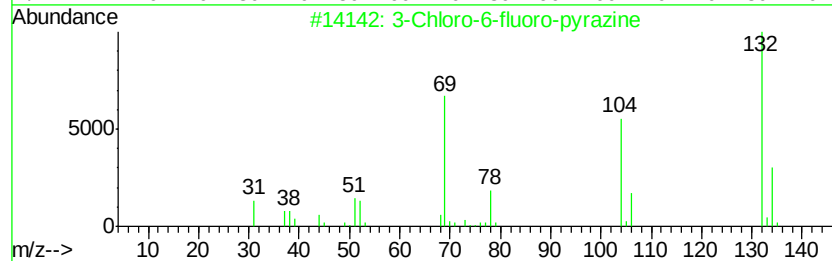
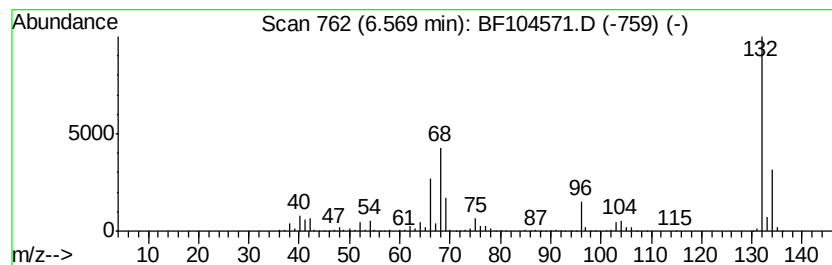
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	64.96 ng	2625600	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		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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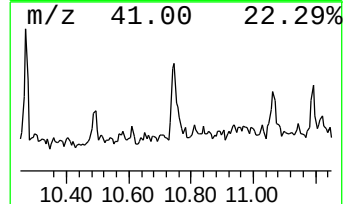
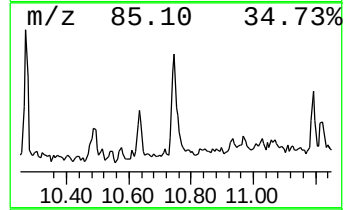
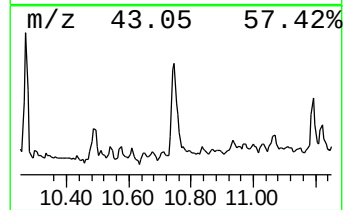
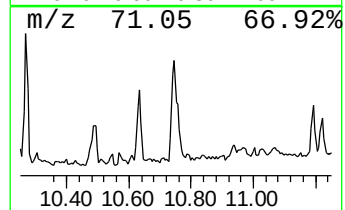
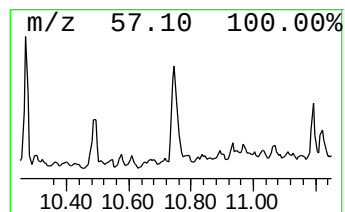
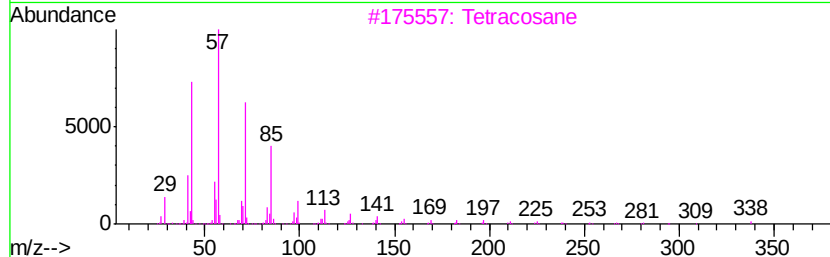
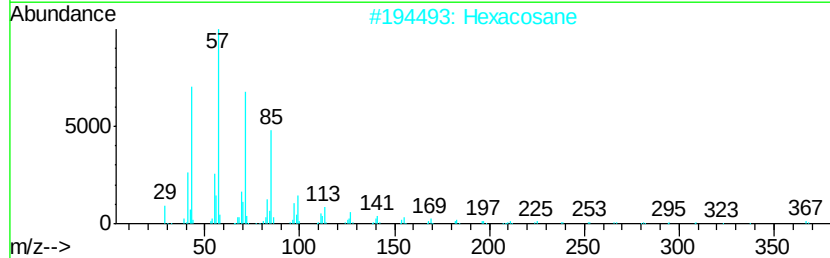
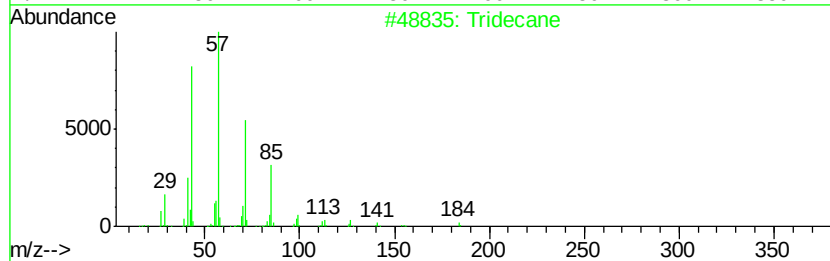
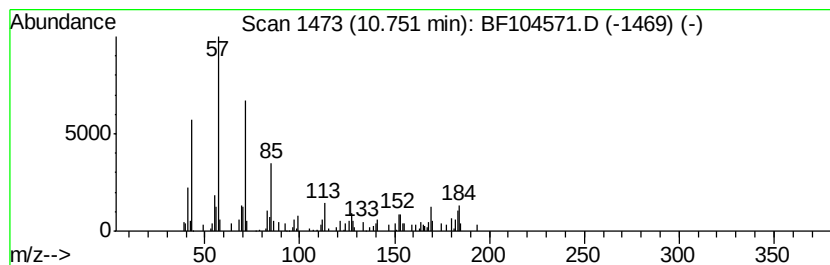
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	2.41 ng	117506	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	81
2	Hexacosane		366	C26H54	000630-01-3	74
3	Tetracosane		338	C24H50	000646-31-1	74
4	Eicosane		282	C20H42	000112-95-8	72
5	Octacosane		394	C28H58	000630-02-4	72



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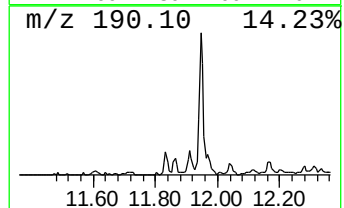
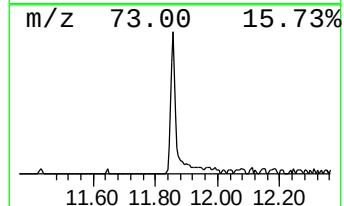
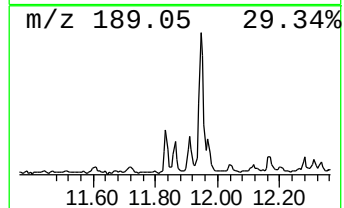
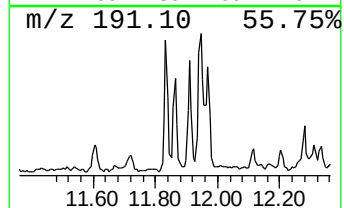
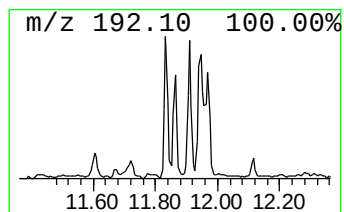
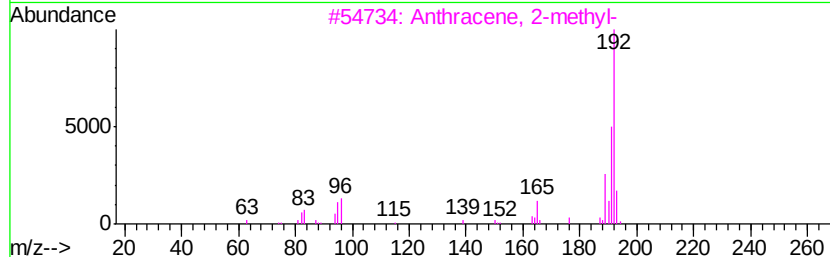
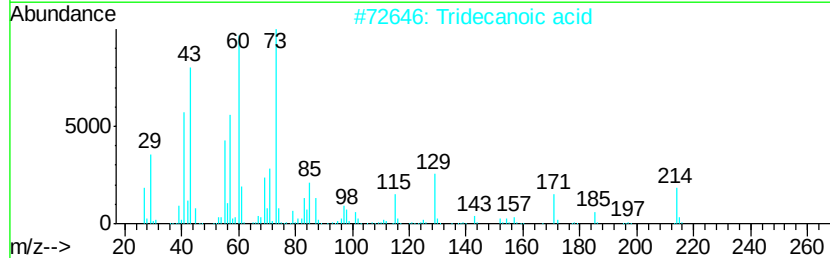
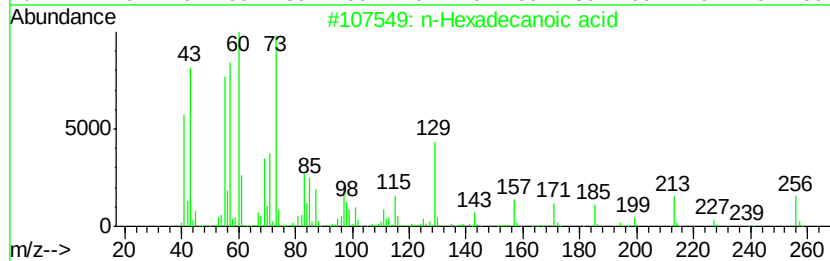
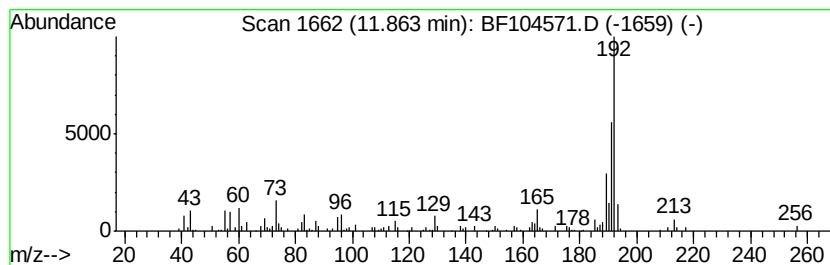
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.		
11.86	2.98 ng	145491	Phenanthrene-d10		11.33		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2			Tridecanoic acid	214	C13H26O2	000638-53-9	64
3			Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5			n-Decanoic acid	172	C10H20O2	000334-48-5	38



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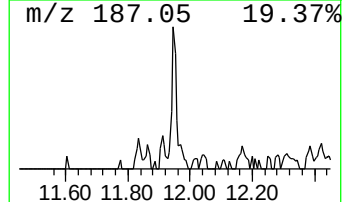
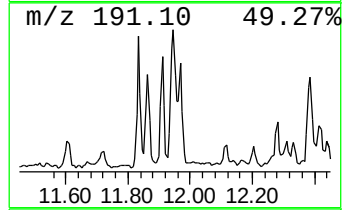
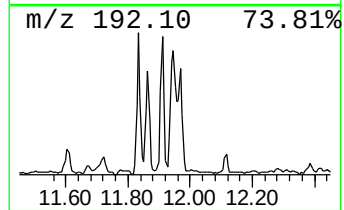
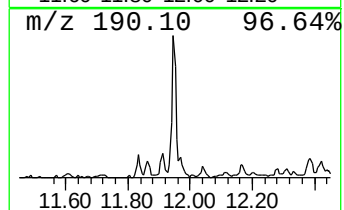
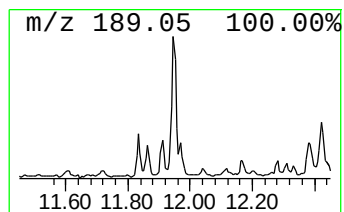
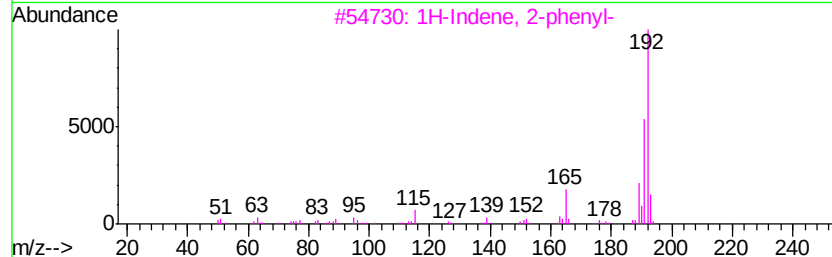
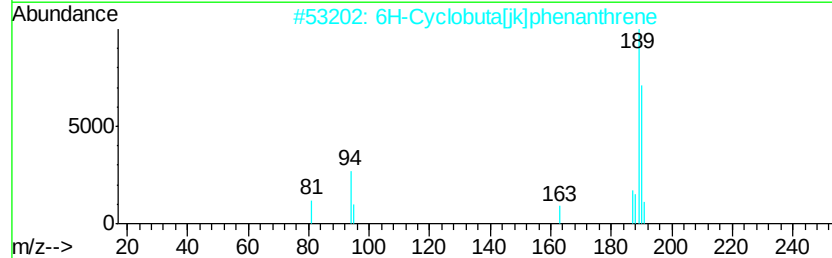
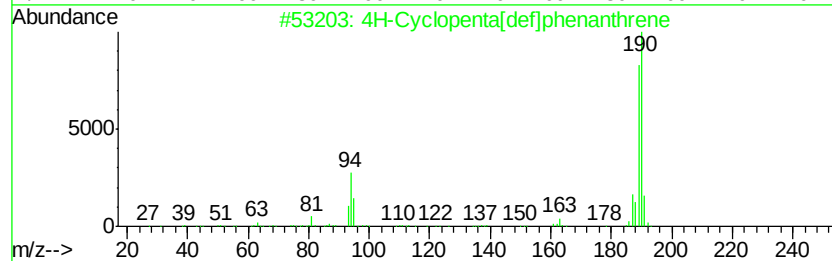
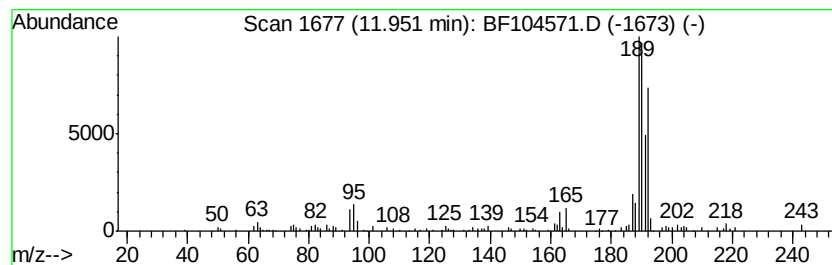
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	3.21 ng	156462	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	49
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104571.D
Acq On : 17 Apr 2018 19:44
Operator : JU/SJ
Sample : J2387-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

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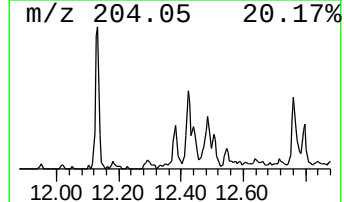
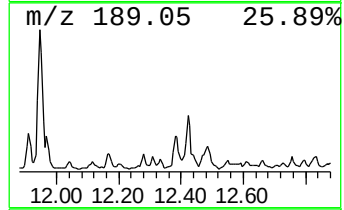
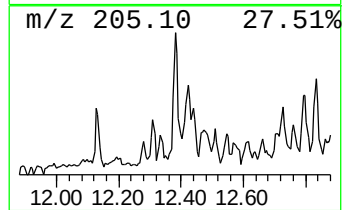
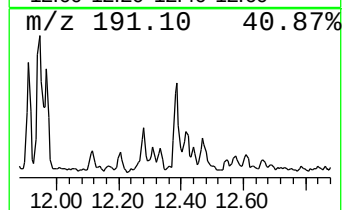
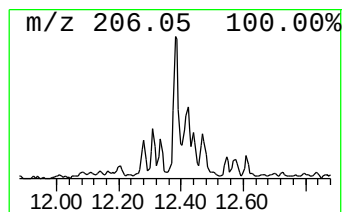
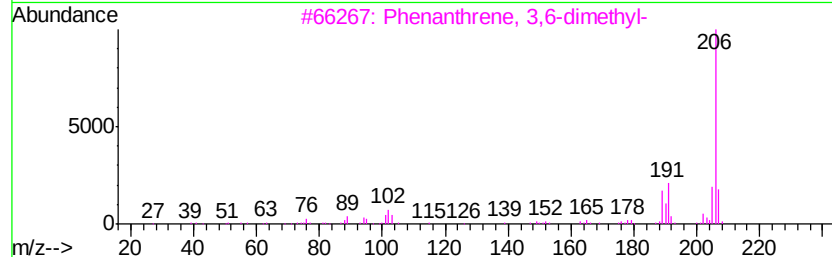
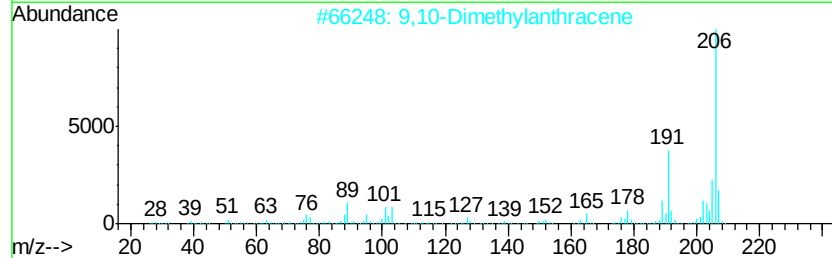
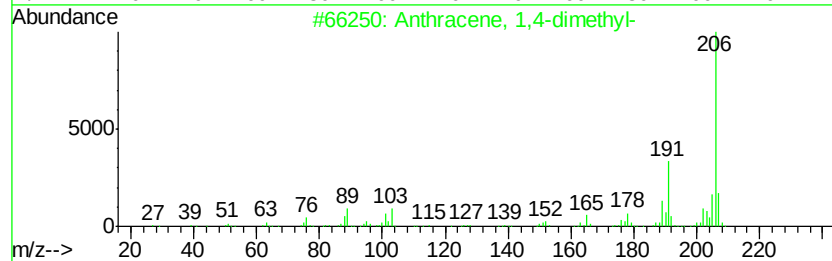
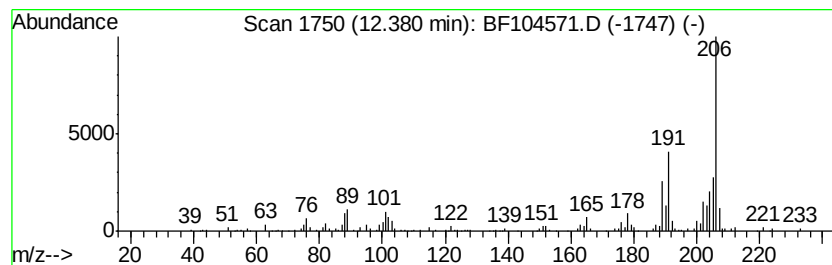
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.33 ng	113746	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	89
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76
4		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	72
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
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Operator : JU/SJ
Sample : J2387-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

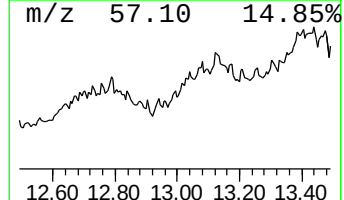
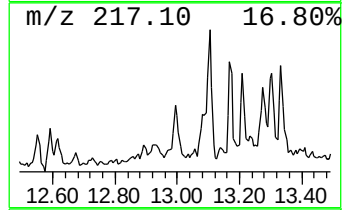
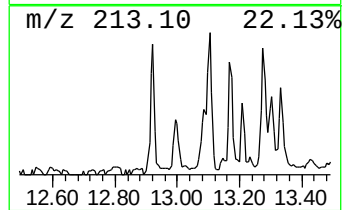
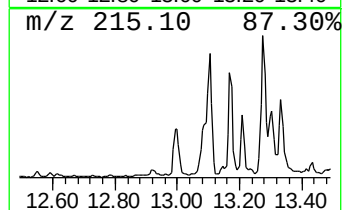
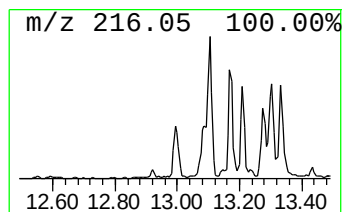
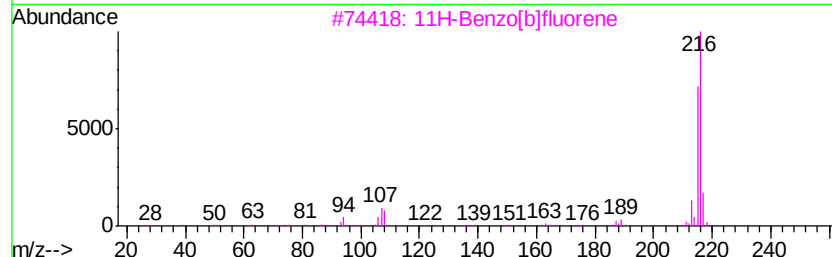
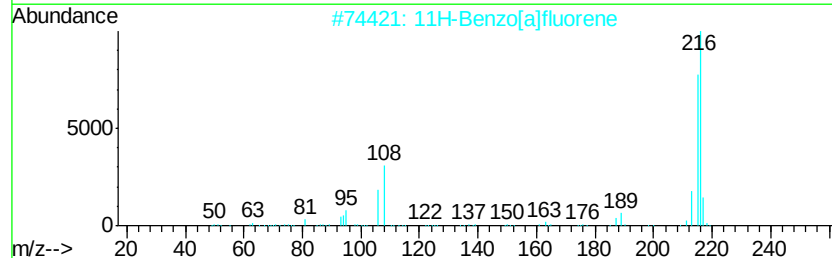
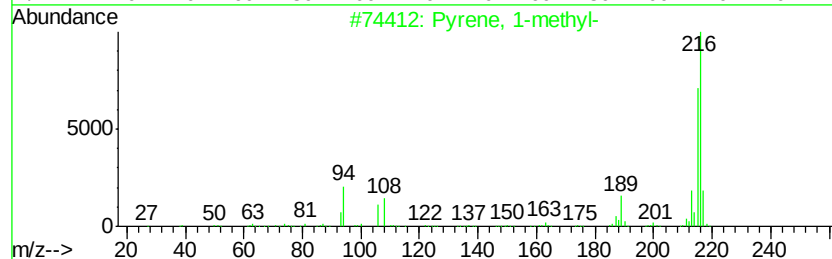
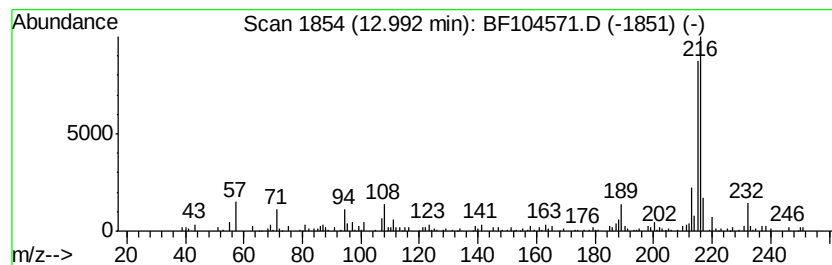
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	2.14 ng	105450	Chrysene-d12	13.98
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 91
2		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 87
3		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 86
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 81
5		Pyrene, 2-methyl-	216 C17H12	003442-78-2 62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
Data File : BF104571.D
Acq On : 17 Apr 2018 19:44
Operator : JU/SJ
Sample : J2387-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

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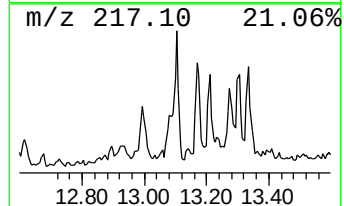
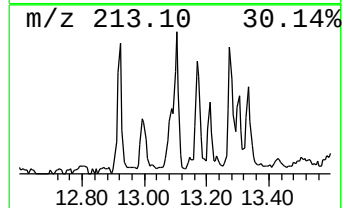
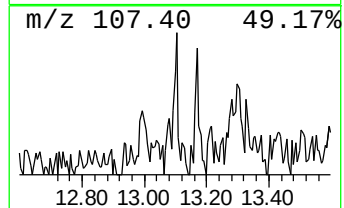
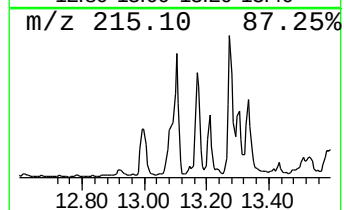
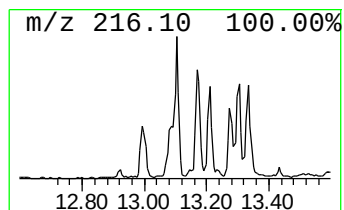
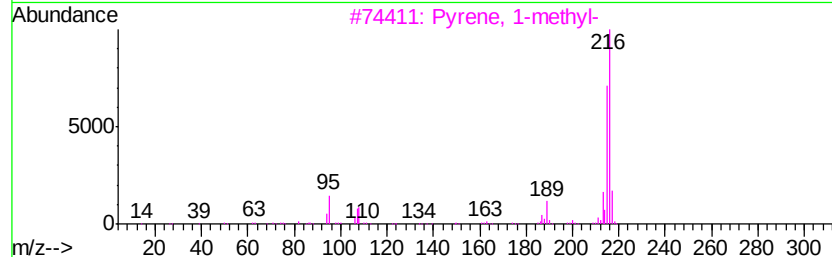
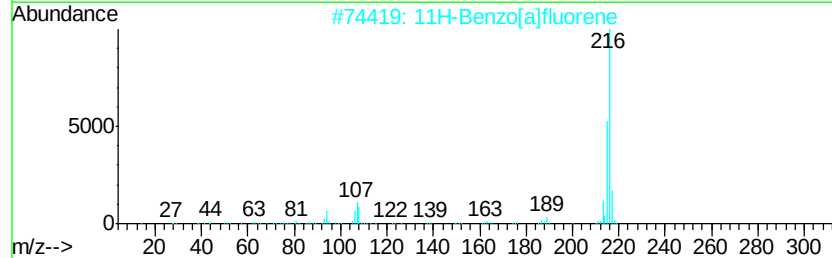
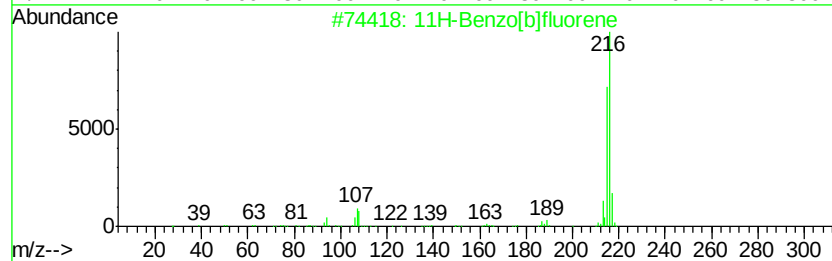
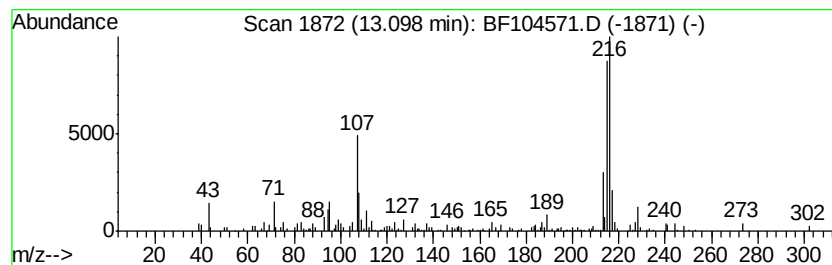
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	2.16 ng	106426	Chrysene-d12	13.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	86
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5		1,3-Dihydro-5,6-dimethyl-1-(2-pr...	216	C12H12N2S	080276-22-8	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041718\
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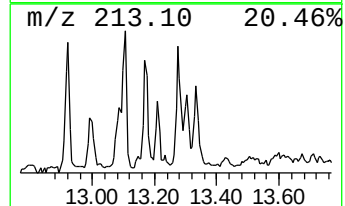
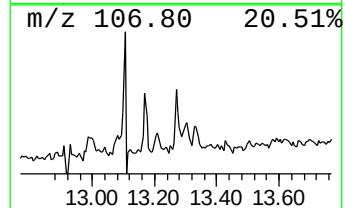
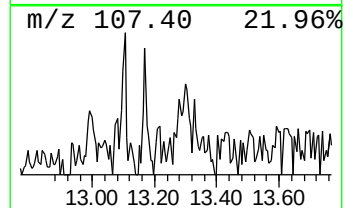
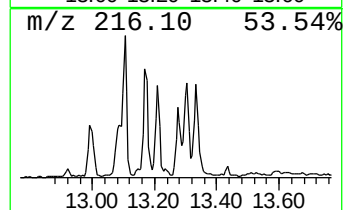
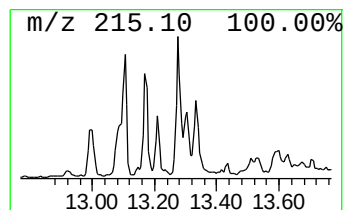
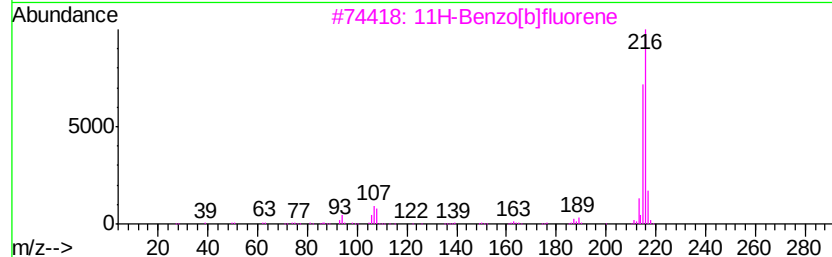
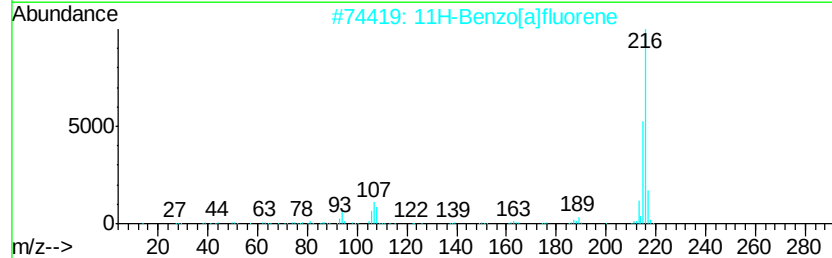
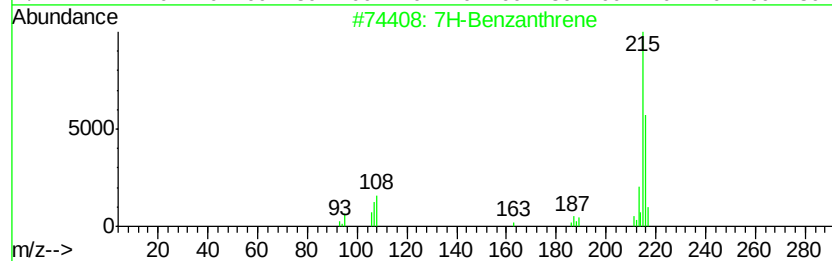
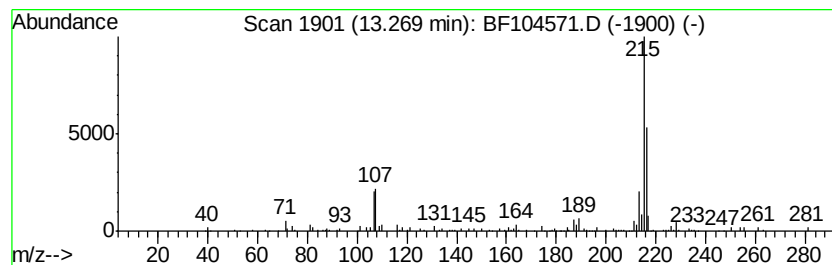
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 7H-Benzanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.27	2.22 ng	108932	Chrysene-d12		13.98
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzanthrene	216	C17H12	000199-94-0	76
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	50
4	Pyrene, 1-(chloromethyl)-	250	C17H11Cl	001086-00-6	42
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041718\
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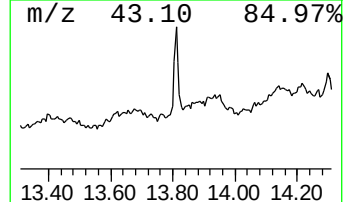
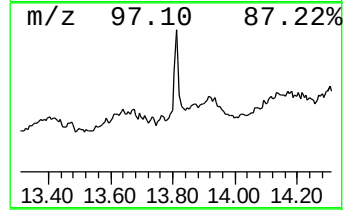
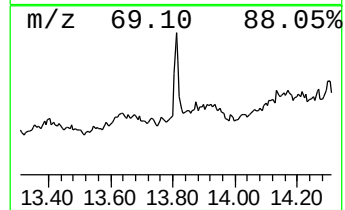
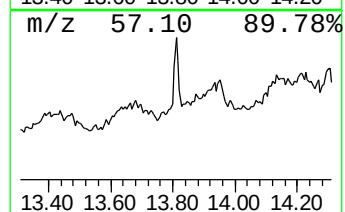
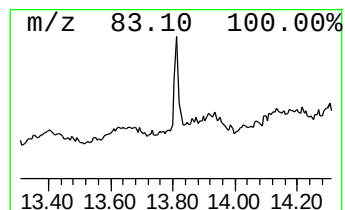
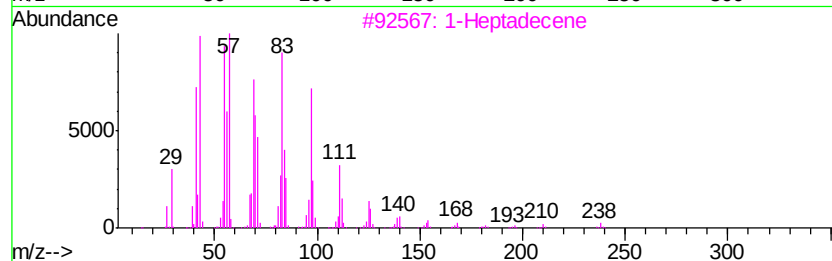
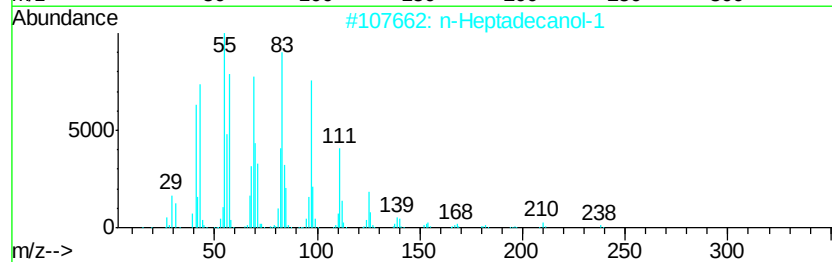
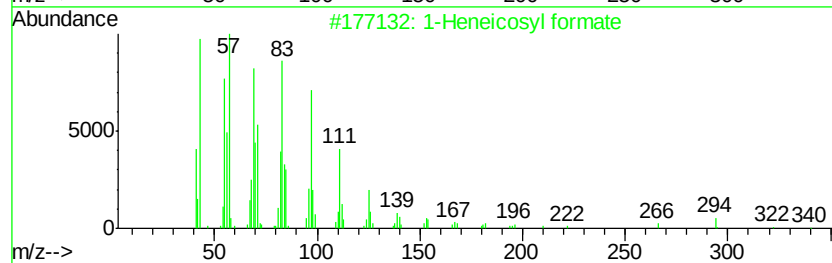
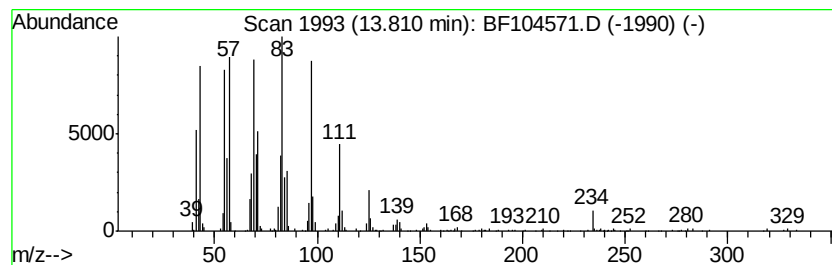
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1-Heneicosyl formate Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.81	6.57 ng	323244	Chrysene-d12		13.98
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
2	n-Heptadecanol-1	256	C17H36O	001454-85-9	93
3	1-Heptadecene	238	C17H34	006765-39-5	93
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91
5	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	91



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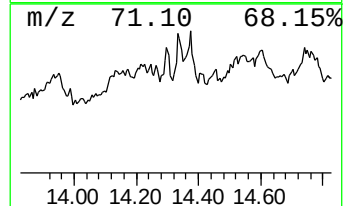
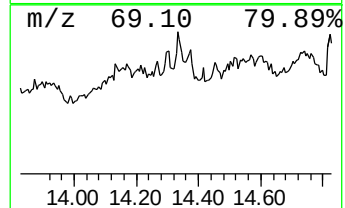
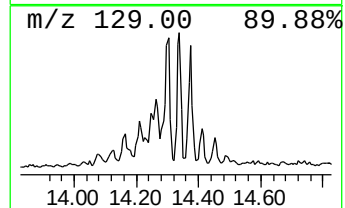
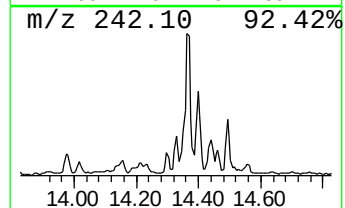
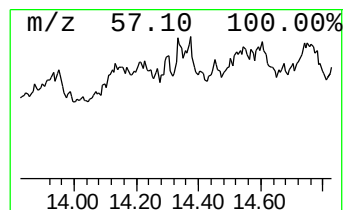
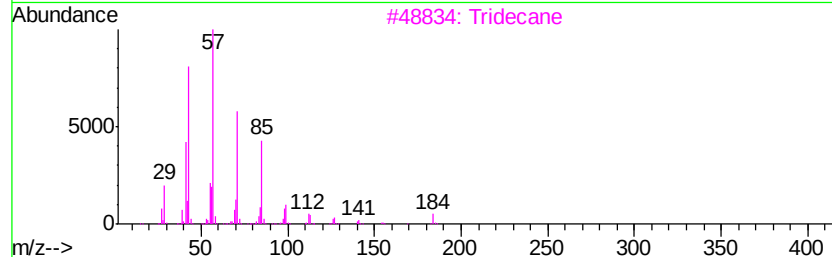
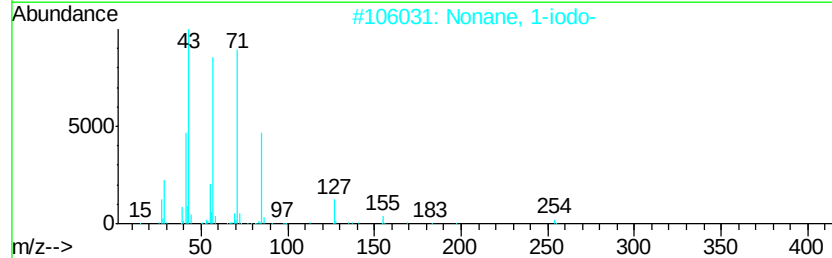
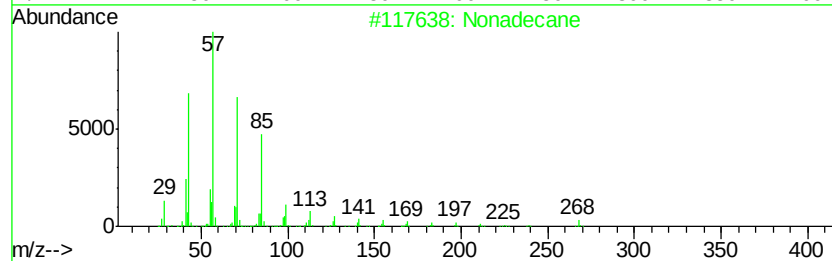
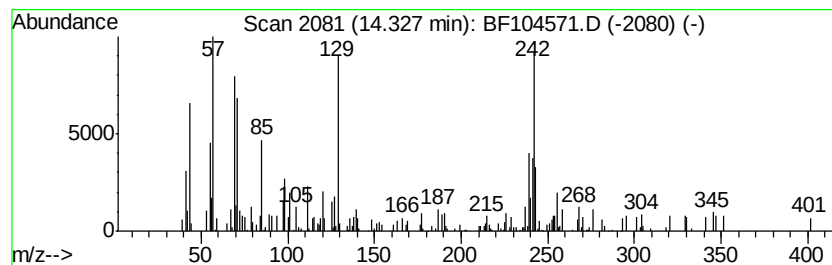
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 unknown14.33 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	3.14 ng	154294	Chrysene-d12	13.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	38
2		Nonane, 1-iodo-	254	C9H19I	004282-42-2	38
3		Tridecane	184	C13H28	000629-50-5	35
4		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	27
5		Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	27



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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...	5.02	3.0	ng	123423	1	6.80	808361	20.0
unknown6.57	6.57	65.0	ng	2625600	1	6.80	808361	20.0
Tridecane	10.75	2.4	ng	117506	4	11.33	976198	20.0
n-Hexadecanoic acid	11.86	3.0	ng	145491	4	11.33	976198	20.0
4H-Cyclopenta[def...	11.95	3.2	ng	156462	4	11.33	976198	20.0
Anthracene, 1,4-d...	12.38	2.3	ng	113746	4	11.33	976198	20.0
Pyrene, 1-methyl-	12.99	2.1	ng	105450	5	13.98	983538	20.0
11H-Benzo[b]fluorene	13.10	2.2	ng	106426	5	13.98	983538	20.0
7H-Benzanthrene	13.27	2.2	ng	108932	5	13.98	983538	20.0
1-Heneicosyl formate	13.81	6.6	ng	323244	5	13.98	983538	20.0
unknown14.33	14.33	3.1	ng	154294	5	13.98	983538	20.0