

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
 Data File : BF083967.D
 Acq On : 19 Dec 2015 21:07
 Operator : UM/SJ
 Sample : G4869-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LTCWC-05

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-BF121815.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	5.036	255	258	266	rVB	306907	530362	25.20%	2.012%
2	5.470	294	296	299	rBV	1684687	1816941	86.32%	6.891%
3	5.859	328	330	332	rBV	28338	26988	1.28%	0.102%
4	6.499	383	386	388	rBV	1641247	1800883	85.56%	6.831%
5	6.624	394	397	399	rBV	2173555	2104850	100.00%	7.983%
6	6.853	415	417	419	rBV	347577	466489	22.16%	1.769%
7	7.002	428	430	433	rBV	1286931	1574589	74.81%	5.972%
8	7.413	463	466	468	rBV	1249116	1220151	57.97%	4.628%
9	8.133	527	529	531	rBV	634408	559743	26.59%	2.123%
10	9.208	620	623	626	rBV	2161236	2096234	99.59%	7.951%
11	9.550	651	653	656	rBV	11984	29275	1.39%	0.111%
12	9.608	656	658	660	rVB	298386	388440	18.45%	1.473%
13	9.882	680	682	684	rBV	679605	661816	31.44%	2.510%
14	9.916	684	685	687	rVB	72006	54353	2.58%	0.206%
15	10.088	698	700	702	rBV	54531	43550	2.07%	0.165%
16	10.316	716	720	722	rBB2	27869	51479	2.45%	0.195%
17	10.431	728	730	732	rBV	107199	90987	4.32%	0.345%
18	10.545	732	740	743	rBV5	19590	44565	2.12%	0.169%
19	10.671	748	751	754	rBV	1336202	1500640	71.29%	5.692%
20	10.796	759	762	766	rVB	55860	81094	3.85%	0.308%
21	10.979	772	778	779	rBV2	29349	41307	1.96%	0.157%
22	11.128	786	791	794	rBV4	17002	37860	1.80%	0.144%
23	11.173	794	795	797	rVB	34873	29388	1.40%	0.111%
24	11.242	797	801	802	rBV2	59649	77063	3.66%	0.292%
25	11.265	802	803	806	rVB2	49566	47423	2.25%	0.180%
26	11.368	810	812	813	rBV	784428	741559	35.23%	2.813%
27	11.391	813	814	816	rVV	941677	703726	33.43%	2.669%
28	11.436	816	818	820	rVB	173930	224856	10.68%	0.853%
29	11.596	829	832	834	rBV2	101325	107645	5.11%	0.408%
30	11.665	836	838	840	rVV	42291	34802	1.65%	0.132%
31	11.871	853	856	857	rBV	74630	77034	3.66%	0.292%
32	11.894	857	858	860	rVV	116401	105857	5.03%	0.402%
33	11.939	860	862	864	rVV	43418	52830	2.51%	0.200%
34	11.974	864	865	870	rVB	116876	218622	10.39%	0.829%

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35	12.076	872	874	875 rVV	19728	21136	1.00%	0.080%
36	12.156	879	881	883 rVV3	57914	86604	4.11%	0.328%
37	12.191	883	884	887 rVB	43310	33236	1.58%	0.126%
38	12.419	902	904	905 rBV	33300	38635	1.84%	0.147%
39	12.454	905	907	910 rVV3	30626	64597	3.07%	0.245%
40	12.499	910	911	916 rVV	35740	46488	2.21%	0.176%
41	12.579	916	918	920 rVV	1008422	886351	42.11%	3.362%
42	12.636	920	923	925 rVB2	18357	36087	1.71%	0.137%
43	12.728	928	931	934 rVV2	26524	38851	1.85%	0.147%
44	12.808	934	938	940 rVV	669783	786848	37.38%	2.984%
45	12.854	940	942	946 rVB2	32673	38726	1.84%	0.147%
46	12.957	948	951	953 rVV	1482671	2015886	95.77%	7.646%
47	13.025	953	957	961 rVB3	34730	83576	3.97%	0.317%
48	13.139	963	967	968 rBV2	82334	147623	7.01%	0.560%
49	13.197	968	972	974 rBV2	76155	105574	5.02%	0.400%
50	13.242	974	976	979 rVV2	58714	88946	4.23%	0.337%
51	13.334	982	984	985 rVB	19344	25288	1.20%	0.096%
52	13.368	985	987	988 rBV	20625	33460	1.59%	0.127%
53	13.528	998	1001	1003 rBV2	34263	64199	3.05%	0.243%
54	13.619	1007	1009	1010 rBV	15343	22513	1.07%	0.085%
55	13.642	1010	1011	1013 rVB	48358	39716	1.89%	0.151%
56	13.757	1018	1021	1022 rVV	44838	77669	3.69%	0.295%
57	13.779	1022	1023	1024 rVV	51972	38762	1.84%	0.147%
58	13.802	1024	1025	1027 rVV2	37588	63274	3.01%	0.240%
59	13.848	1027	1029	1032 rVB	128481	151730	7.21%	0.575%
60	13.997	1038	1042	1047 rBV3	634059	1293491	61.45%	4.906%
61	14.111	1049	1052	1053 rBV	47306	53209	2.53%	0.202%
62	14.168	1053	1057	1060 rBV4	47118	116151	5.52%	0.441%
63	14.225	1060	1062	1064 rVB3	25342	35399	1.68%	0.134%
64	14.385	1074	1076	1078 rVB	40539	50726	2.41%	0.192%
65	14.477	1082	1084	1086 rVV2	43839	63385	3.01%	0.240%
66	14.534	1086	1089	1091 rVV2	32379	59673	2.84%	0.226%
67	14.580	1091	1093	1097 rVB4	15257	30810	1.46%	0.117%
68	14.694	1102	1103	1108 rBV4	13156	26621	1.26%	0.101%
69	14.774	1108	1110	1112 rBV2	32149	46985	2.23%	0.178%
70	15.025	1129	1132	1136 rBV	222162	403700	19.18%	1.531%
71	15.094	1136	1138	1140 rVV2	28413	39563	1.88%	0.150%

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72	15.128	1140	1141	1143	rVV	40803	43562	2.07%	0.165%
73	15.220	1147	1149	1152	rBV	13612	38181	1.81%	0.145%
74	15.311	1155	1157	1161	rVV	95449	126166	5.99%	0.479%
75	15.380	1161	1163	1165	rVV	156025	210560	10.00%	0.799%
76	15.437	1165	1168	1174	rVB	354834	539270	25.62%	2.045%
77	15.654	1184	1187	1189	rVB4	16782	34186	1.62%	0.130%
78	15.711	1189	1192	1193	rVV3	9729	23871	1.13%	0.091%
79	15.745	1193	1195	1203	rVB6	16435	53490	2.54%	0.203%
80	15.871	1203	1206	1208	rBV2	14963	27470	1.31%	0.104%
81	15.917	1208	1210	1213	rVB4	10742	22842	1.09%	0.087%
82	16.100	1221	1226	1233	rBV7	10493	46903	2.23%	0.178%
83	16.854	1288	1292	1295	rBV	47887	96921	4.60%	0.368%
84	17.277	1326	1329	1333	rBV	41406	97627	4.64%	0.370%
85	17.517	1347	1350	1359	rVB4	15409	64002	3.04%	0.243%
86	19.449	1515	1519	1527	rVB2	11320	41350	1.96%	0.157%

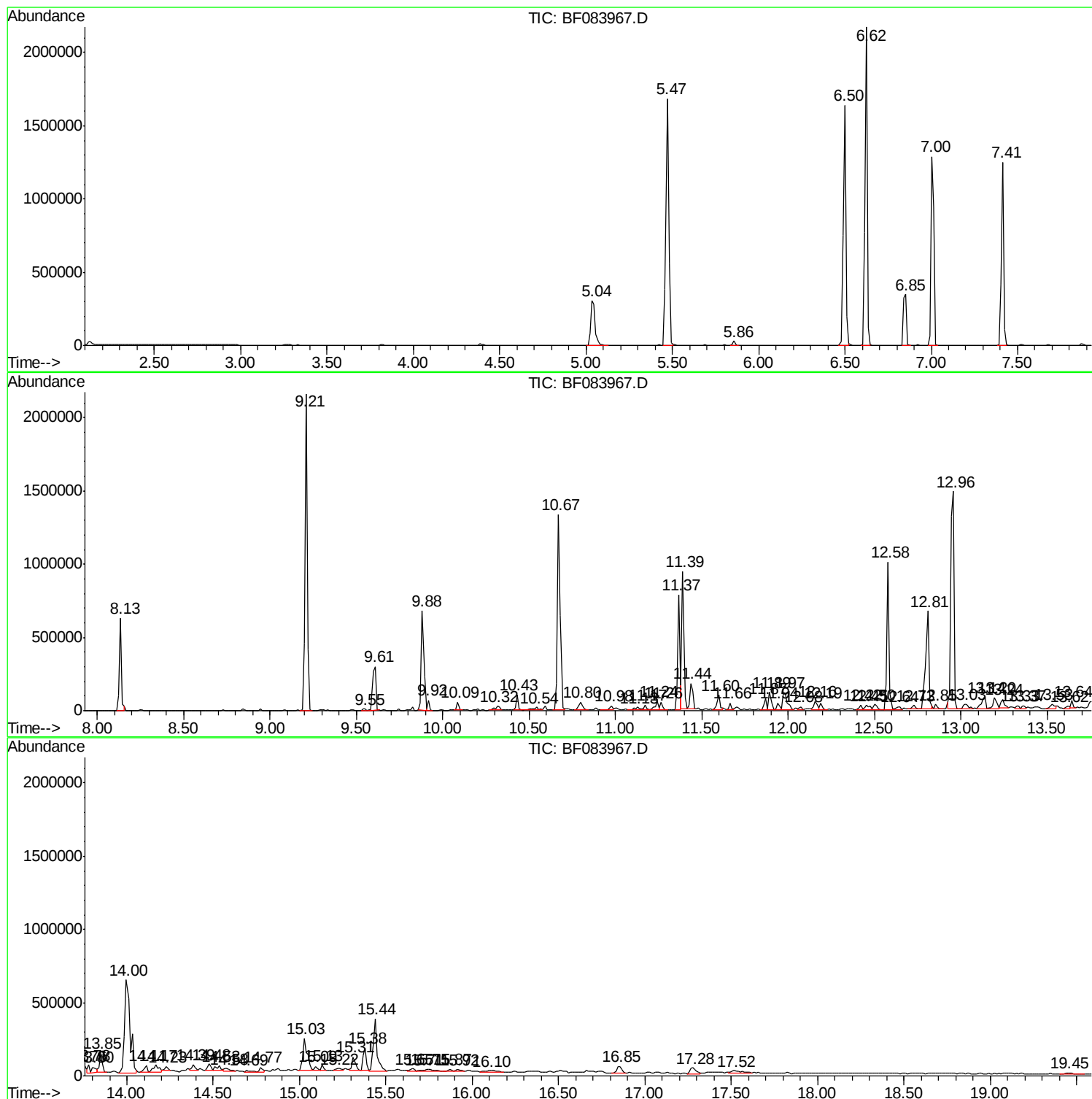
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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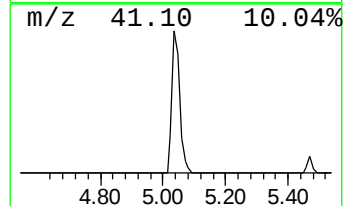
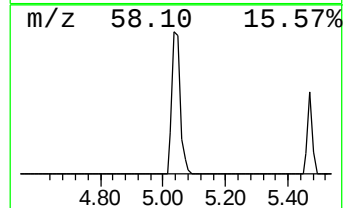
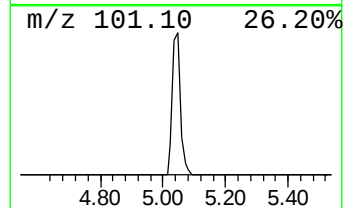
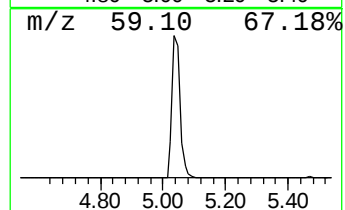
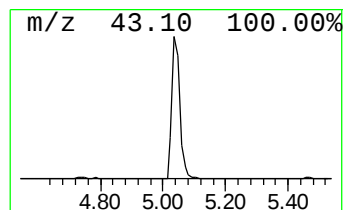
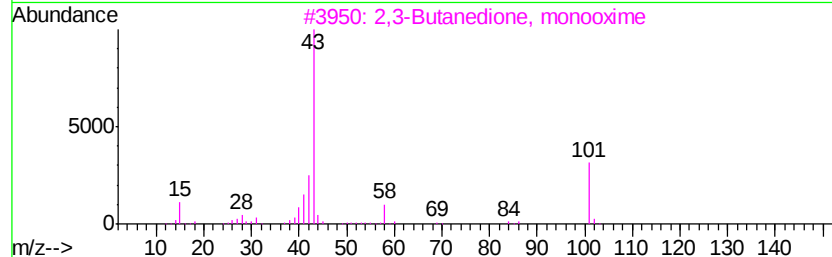
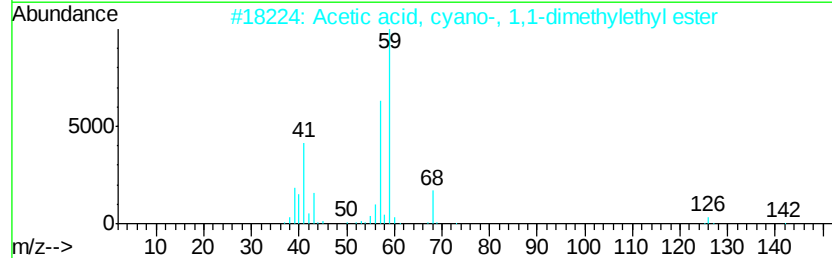
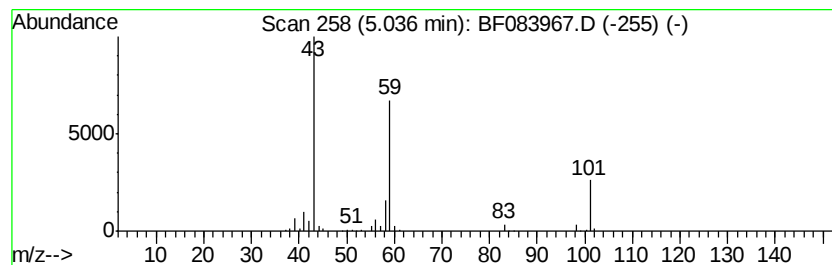
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	22.74 ng	530362	1,4-Dichlorobenzene-d4	6.85

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56	
2	Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17	
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17	
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9	
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9	



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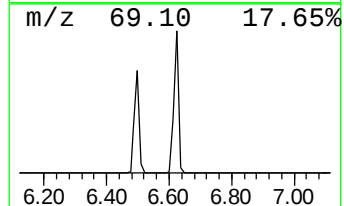
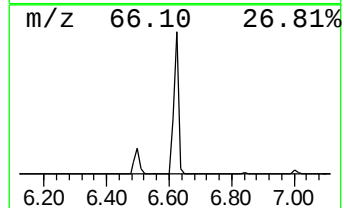
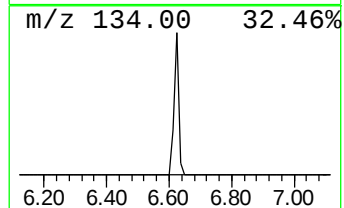
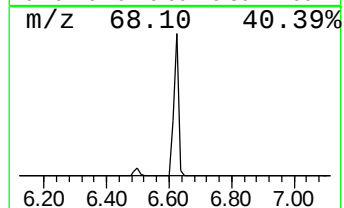
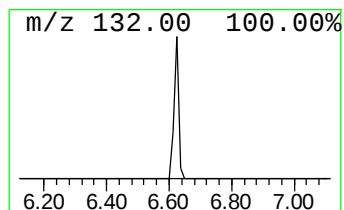
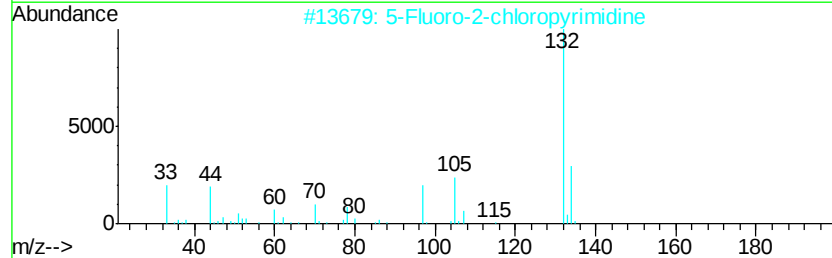
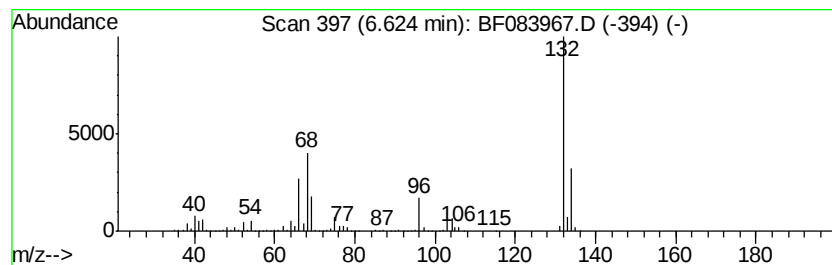
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	90.24 ng	2104850	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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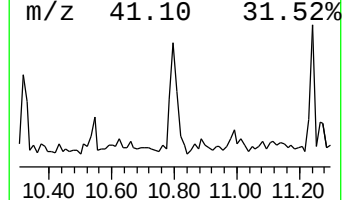
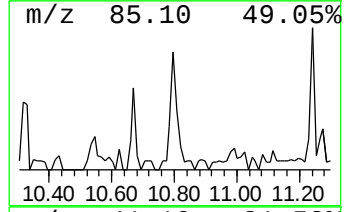
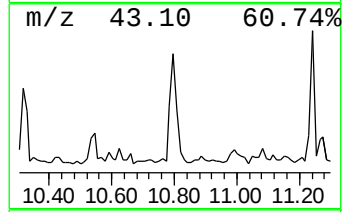
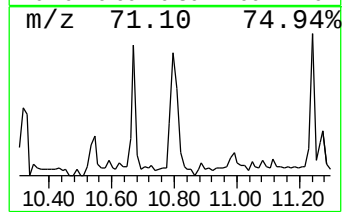
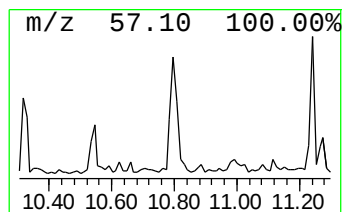
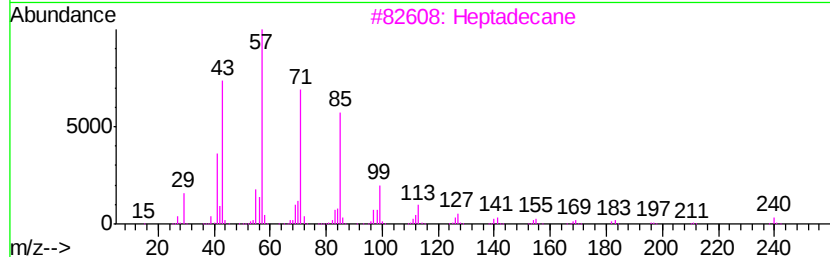
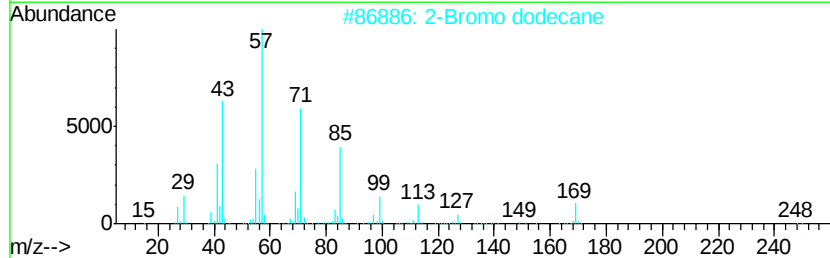
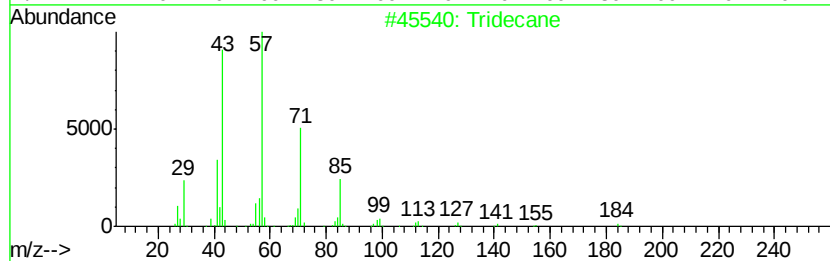
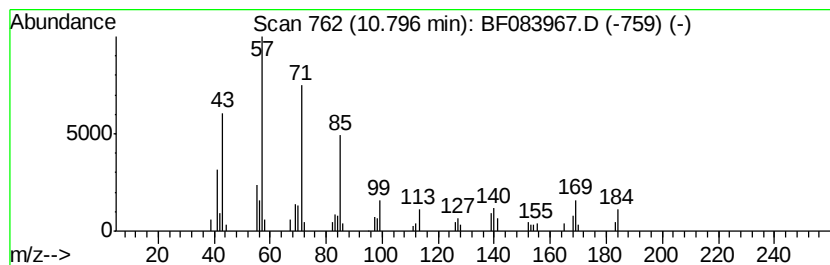
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Tridecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	2.19 ng	81094	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	93
2	2-Bromo dodecane		248	C12H25Br	013187-99-0	83
3	Heptadecane		240	C17H36	000629-78-7	81
4	Dodecane		170	C12H26	000112-40-3	81
5	Nonadecane		268	C19H40	000629-92-5	76



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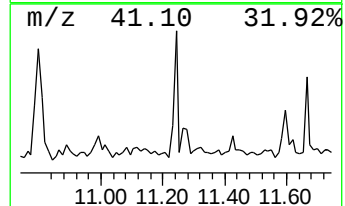
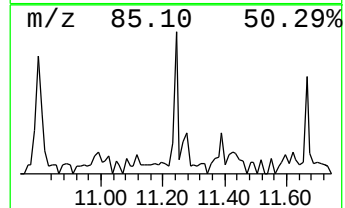
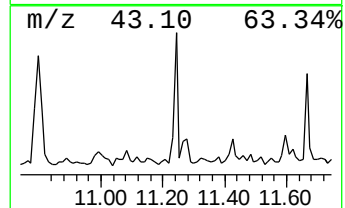
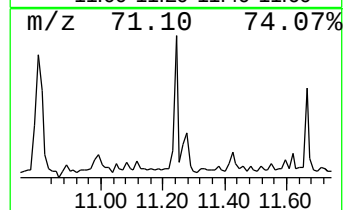
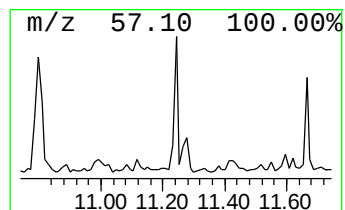
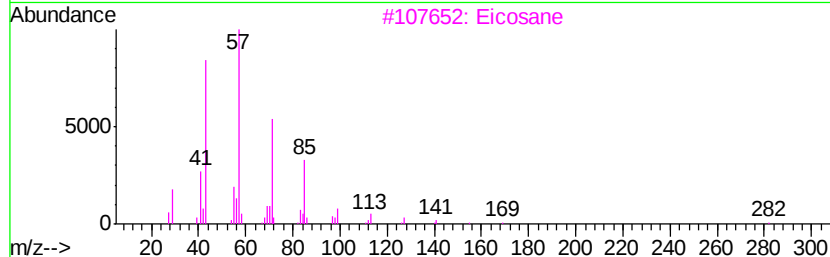
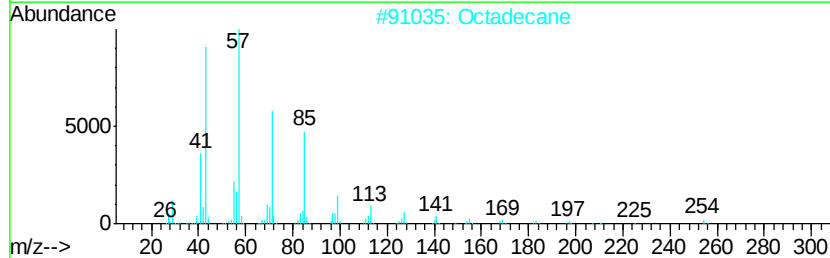
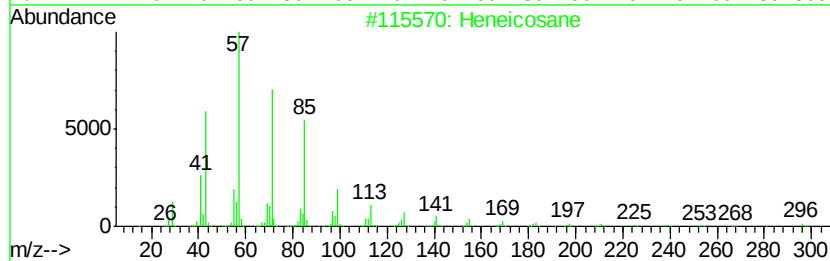
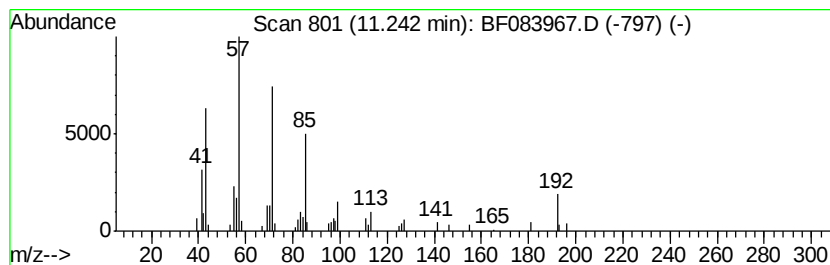
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Heneicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	2.08 ng	77063	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane		296	C21H44	000629-94-7	87
2	Octadecane		254	C18H38	000593-45-3	83
3	Eicosane		282	C20H42	000112-95-8	83
4	Octacosane		394	C28H58	000630-02-4	83
5	Heptadecane		240	C17H36	000629-78-7	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
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Acq On : 19 Dec 2015 21:07
Operator : UM/SJ
Sample : G4869-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

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ClientSampleId :
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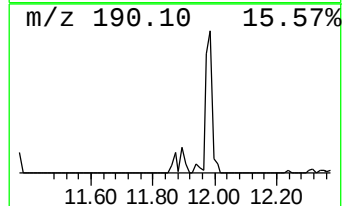
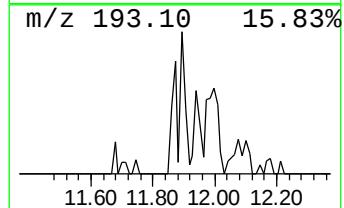
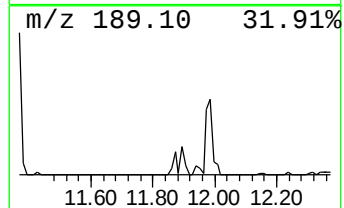
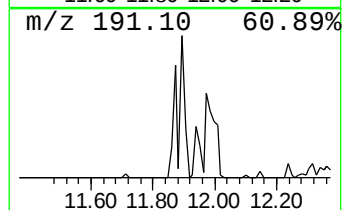
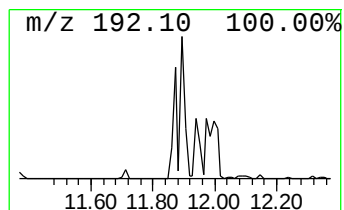
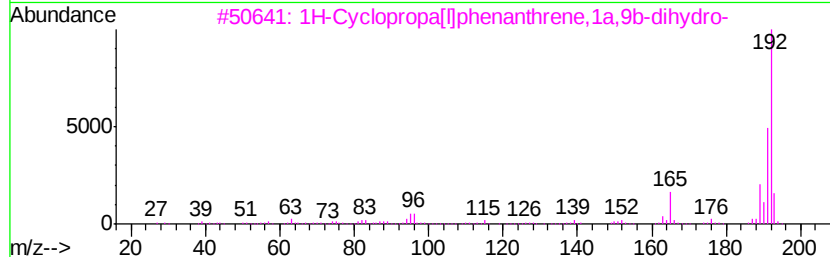
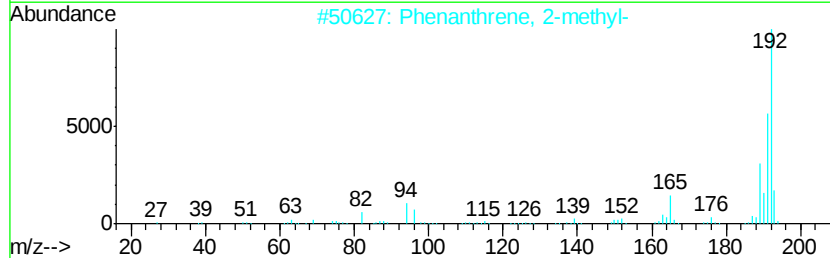
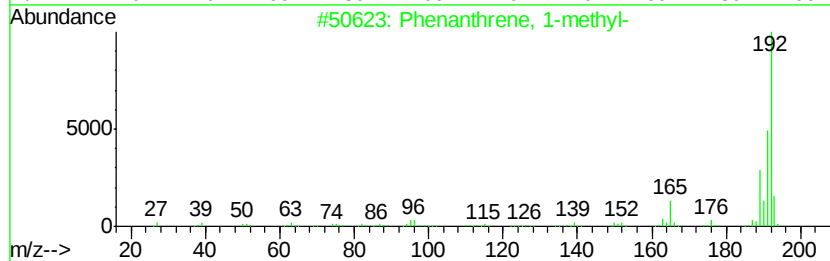
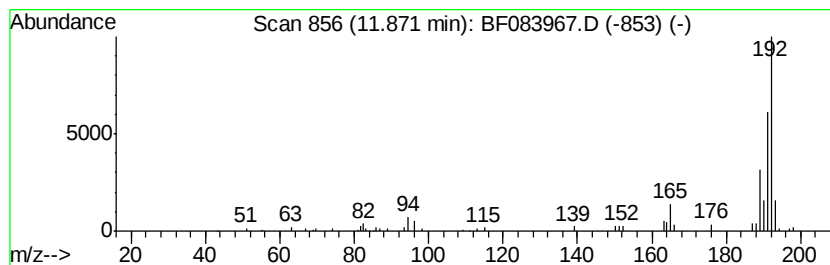
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.08 ng	77034	Phenanthrene-d10	11.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94



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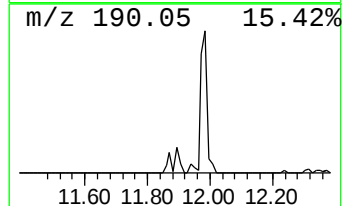
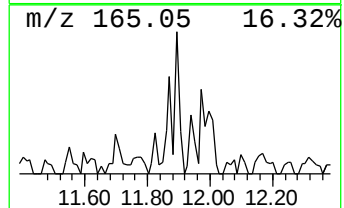
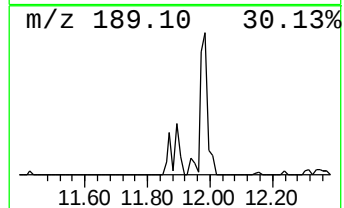
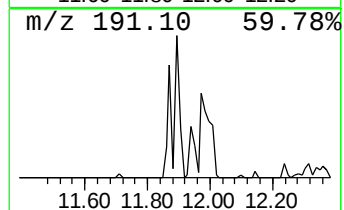
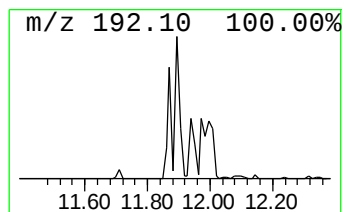
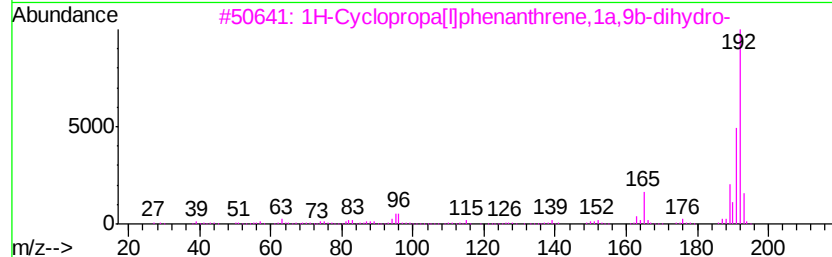
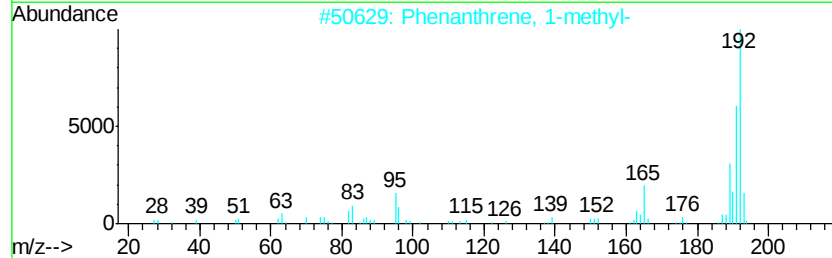
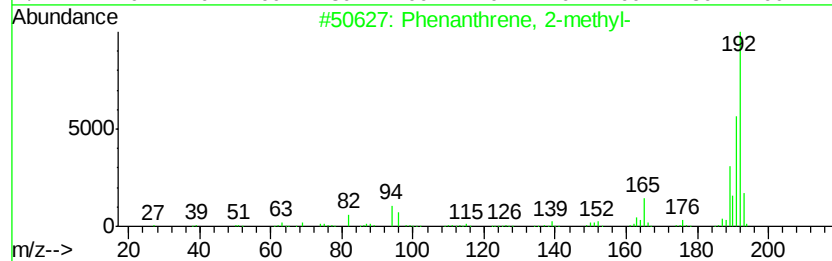
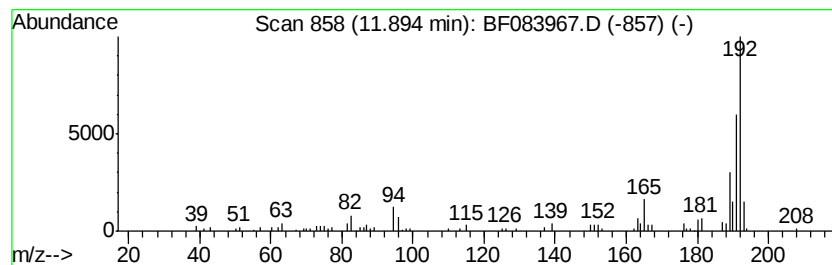
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.85 ng	105857	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



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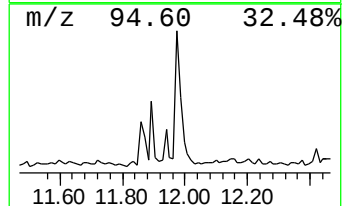
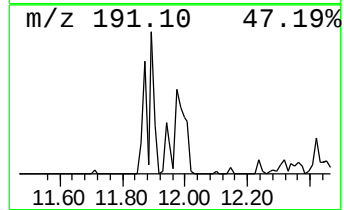
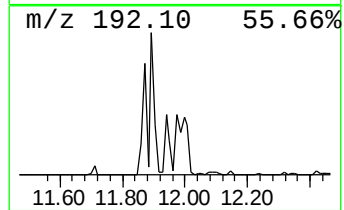
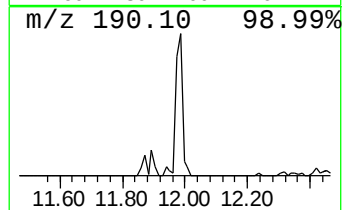
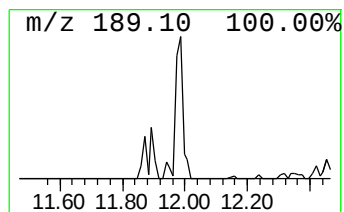
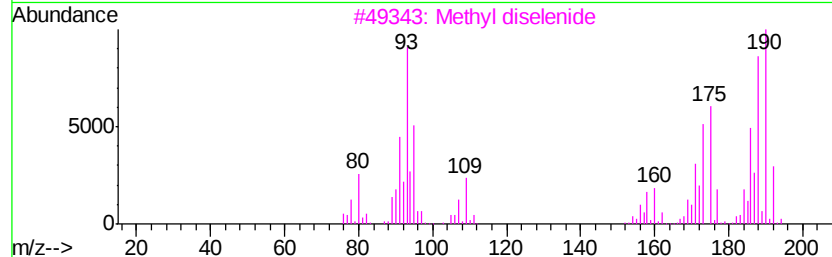
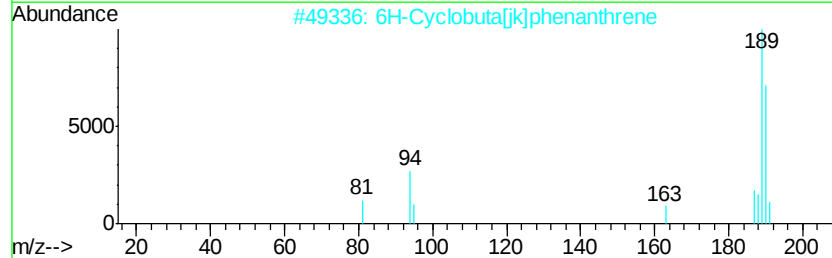
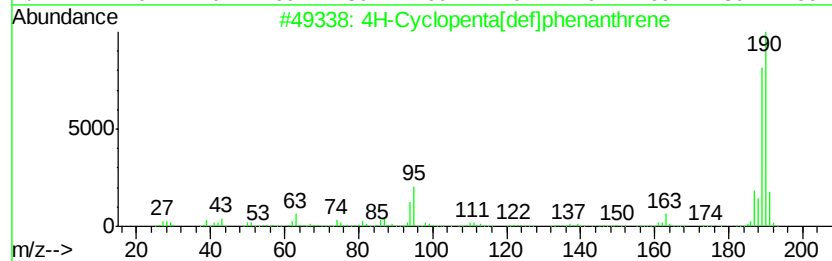
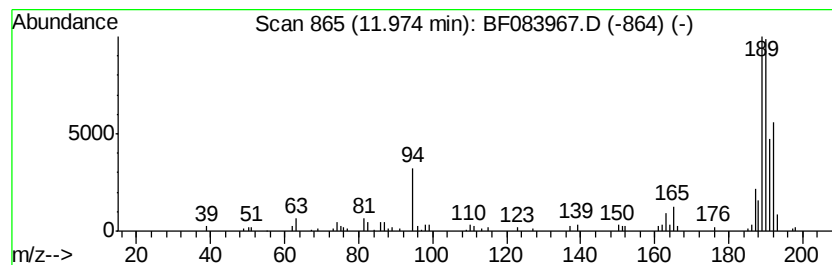
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	5.90 ng	218622	Phenanthrene-d10	11.37

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	58
3		Methyl diselenide	190	C2H6Se2	007101-31-7	45
4		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20
5		1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	20



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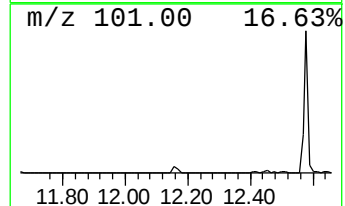
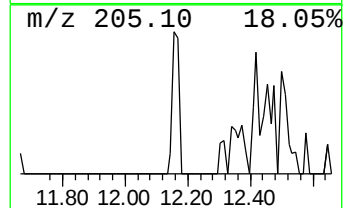
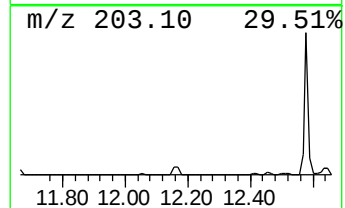
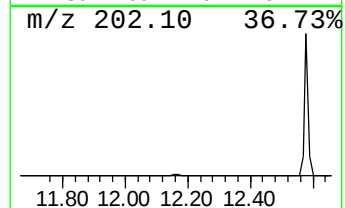
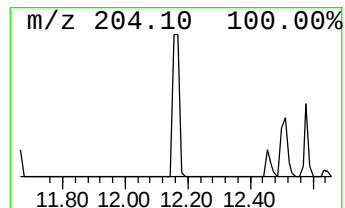
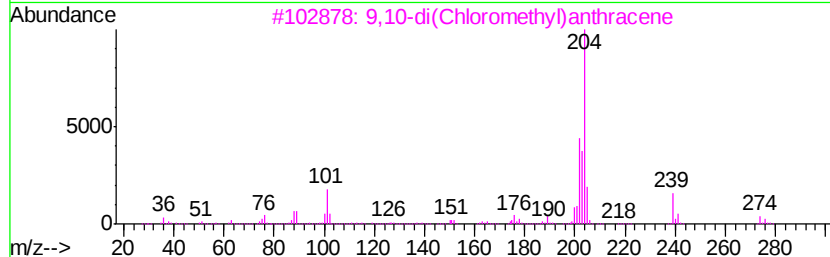
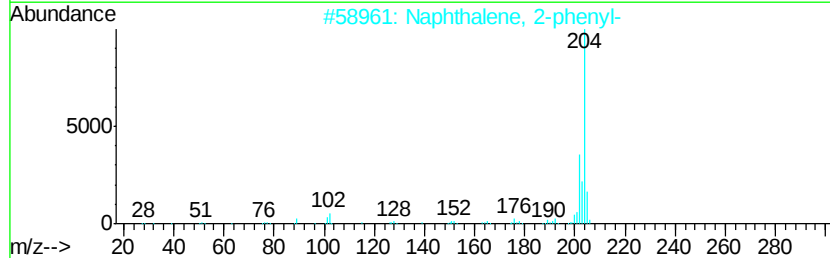
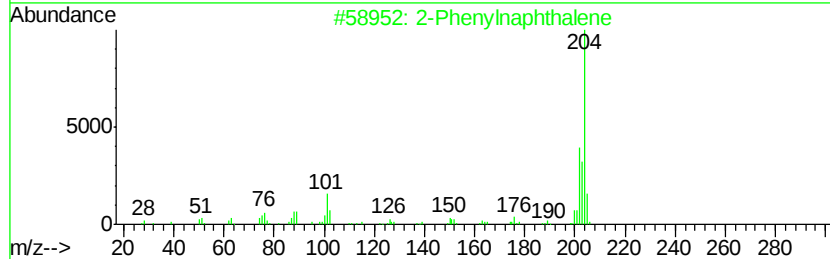
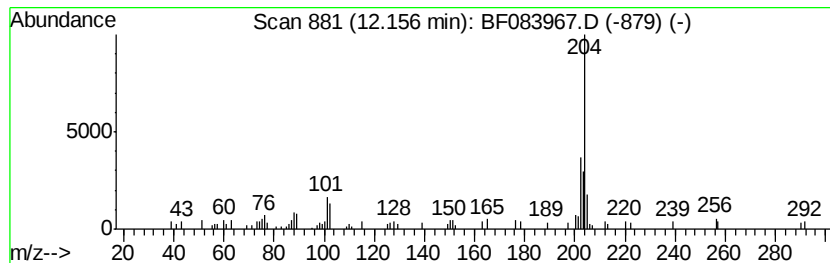
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 2-Phenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	2.34 ng	86604	Phenanthrene-d10	11.37

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Phenylnaphthalene	204	C16H12	035465-71-5	94
2			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3			9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	83
4			6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
5			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70



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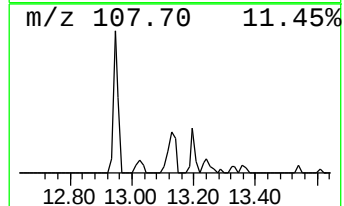
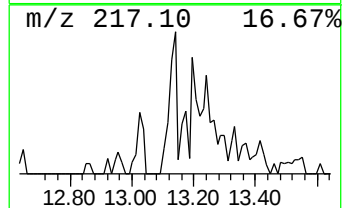
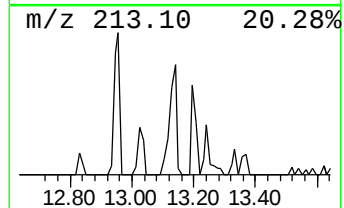
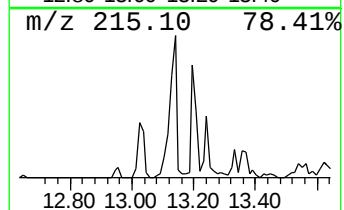
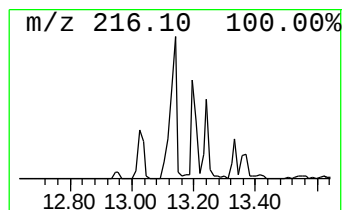
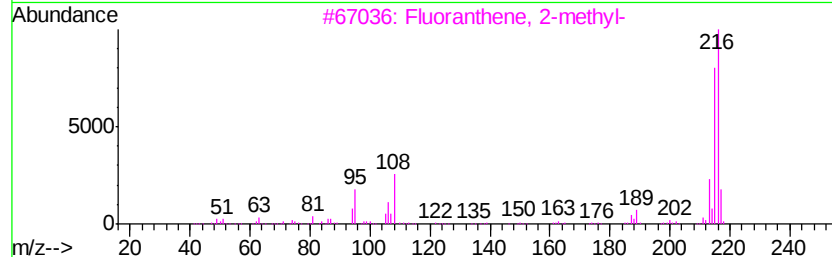
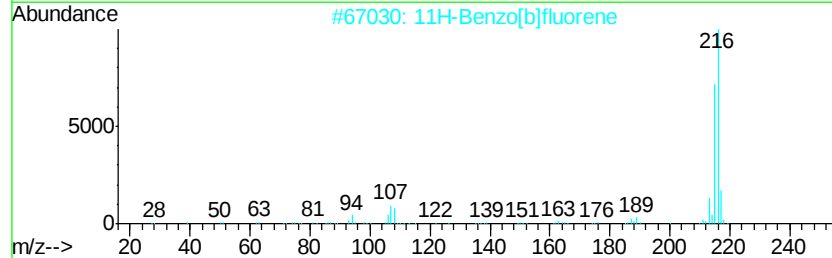
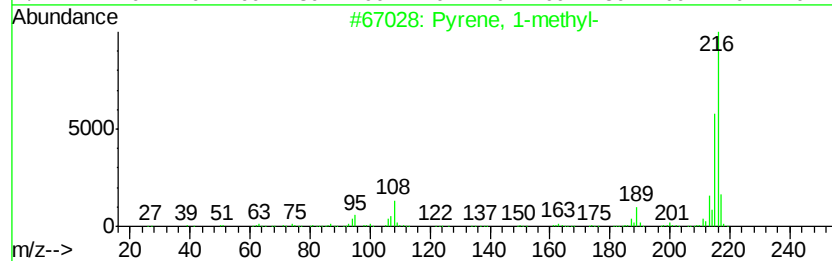
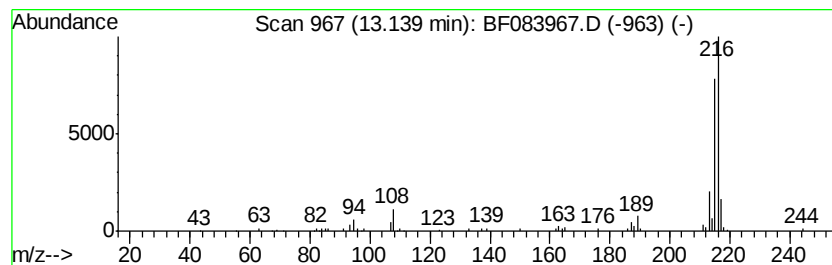
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	2.28 ng	147623	Chrysene-d12	14.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



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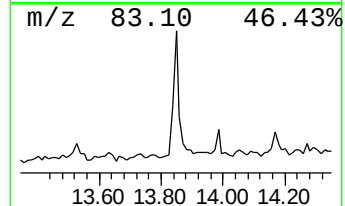
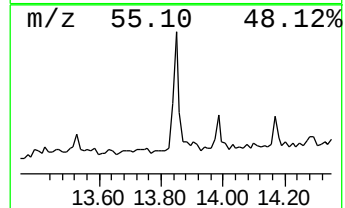
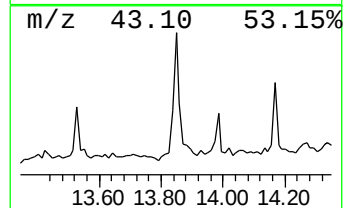
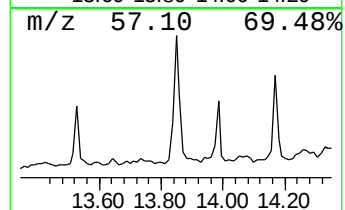
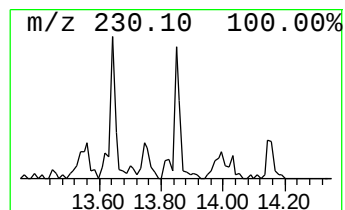
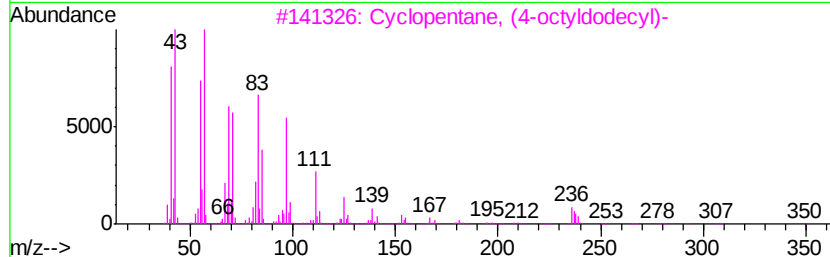
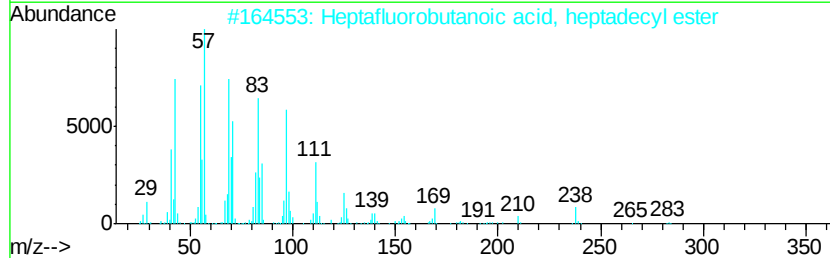
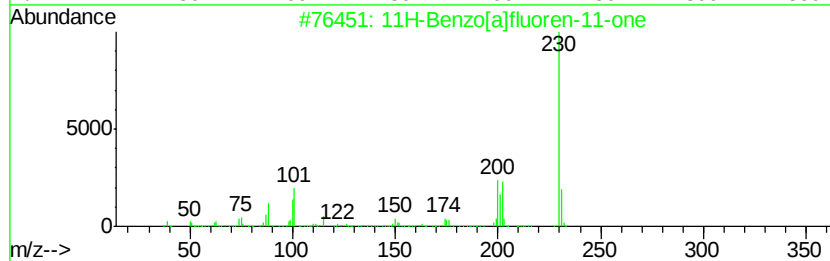
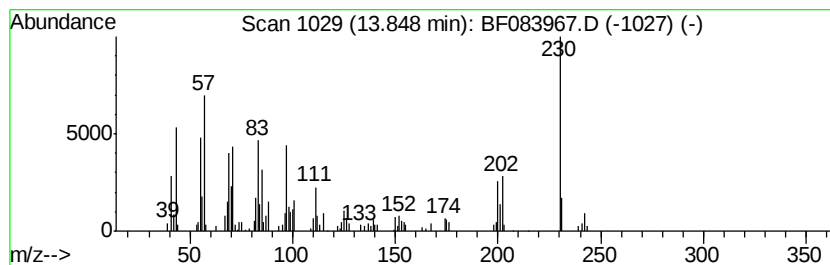
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	2.35 ng	151730	Chrysene-d12	14.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	86
2		Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	80
3		Cyclopentane, (4-octyldodecyl)-	350	C25H50	005638-09-5	45
4		17-Pentatriacontene	491	C35H70	006971-40-0	43
5		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	42



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ALS Vial : 17 Sample Multiplier: 1

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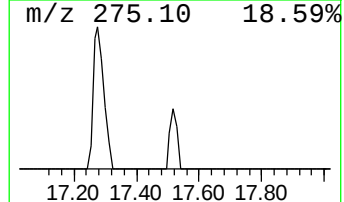
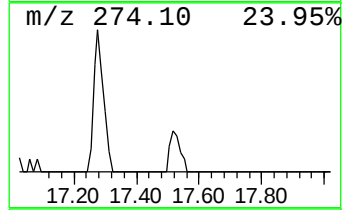
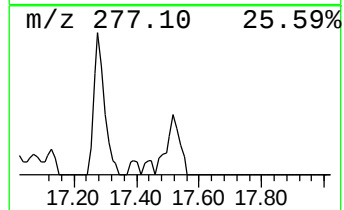
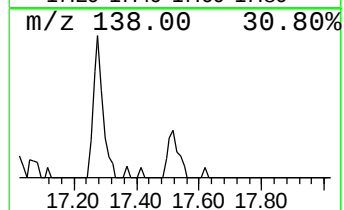
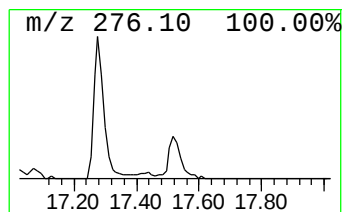
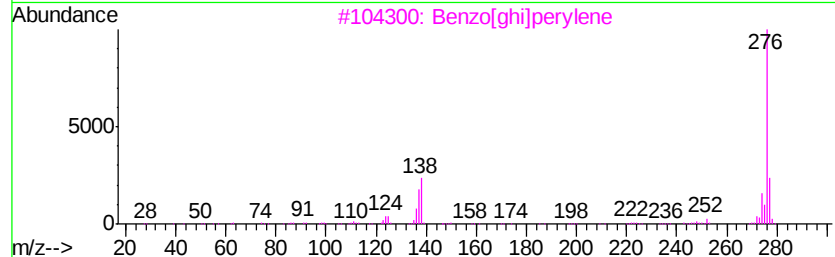
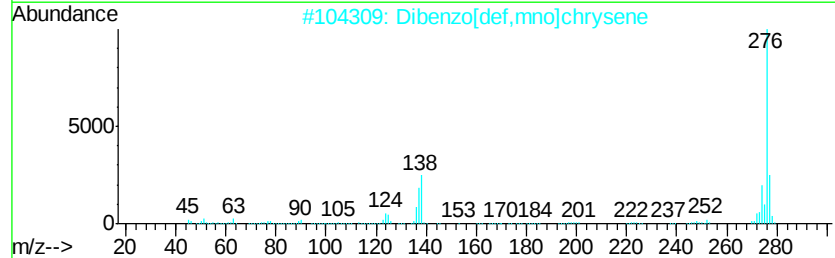
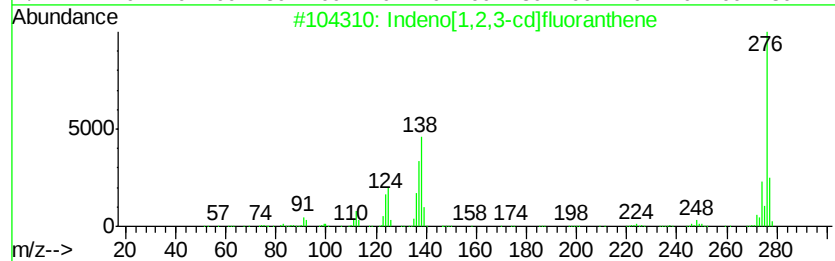
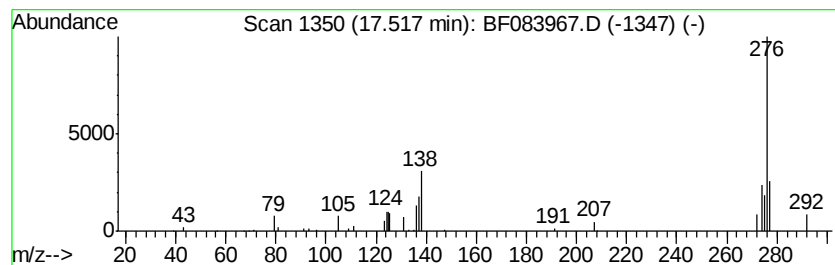
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Indeno[1,2,3-cd]fluoranthene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.52	2.37 ng	64002	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
2		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	72
3		Benzo[ghi]perylene	276	C22H12	000191-24-2	72
4		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	68
5		2-Thiophenecarbaldehyde, 5-[5-(t...	276	C13H8OS3	1000217-28-5	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122015\
 Data File : BF083967.D
 Acq On : 19 Dec 2015 21:07
 Operator : UM/SJ
 Sample : G4869-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LTCWC-05

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.04	22.7	ng	530362	1	6.85	466489	20.0
unknown6.62	6.62	90.2	ng	2104850	1	6.85	466489	20.0
Tridecane	10.80	2.2	ng	81094	4	11.37	741559	20.0
Heneicosane	11.24	2.1	ng	77063	4	11.37	741559	20.0
Phenanthrene, 1-m...	11.87	2.1	ng	77034	4	11.37	741559	20.0
Phenanthrene, 2-m...	11.89	2.9	ng	105857	4	11.37	741559	20.0
4H-Cyclopenta[def...	11.97	5.9	ng	218622	4	11.37	741559	20.0
2-Phenylnaphthalene	12.16	2.3	ng	86604	4	11.37	741559	20.0
Pyrene, 1-methyl-	13.14	2.3	ng	147623	5	14.01	1293490	20.0
11H-Benzo[a]fluor...	13.85	2.4	ng	151730	5	14.01	1293490	20.0
Indeno[1,2,3-cd]f...	17.52	2.4	ng	64002	6	15.44	539270	20.0