

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
 Data File : BF087076.D
 Acq On : 16 May 2016 12:47
 Operator : UM/SJ
 Sample : H2965-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-13(5.5-6)

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-BF050916.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	1.736	11	13	55	rVB	3741668	9102254	100.00%	10.217%
2	4.753	274	277	290	rBV	171021	363668	4.00%	0.408%
3	5.199	313	316	325	rBV	4532803	5114106	56.19%	5.741%
4	6.285	407	411	413	rBV	3628121	5567194	61.16%	6.249%
5	6.376	417	419	422	rVV	3976678	4846171	53.24%	5.440%
6	6.445	422	425	427	rVB3	74525	133830	1.47%	0.150%
7	6.605	437	439	441	rBV	1400967	1291440	14.19%	1.450%
8	6.765	450	453	455	rBV	3511600	4283542	47.06%	4.808%
9	6.867	460	462	466	rBV	136355	148759	1.63%	0.167%
10	7.188	486	490	492	rBV	2745071	3686159	40.50%	4.138%
11	7.313	499	501	505	rBV3	69841	130326	1.43%	0.146%
12	7.405	505	509	512	rVB4	39601	98700	1.08%	0.111%
13	7.679	530	533	539	rVB4	52415	165674	1.82%	0.186%
14	7.896	549	552	556	rBV2	1653438	2327794	25.57%	2.613%
15	7.965	557	558	562	rVB	340916	309910	3.40%	0.348%
16	8.170	574	576	579	rBV3	56720	99816	1.10%	0.112%
17	8.330	588	590	594	rVV	126382	193609	2.13%	0.217%
18	8.502	602	605	607	rBV	104196	148762	1.63%	0.167%
19	8.605	611	614	617	rVB2	132595	168226	1.85%	0.189%
20	8.708	620	623	625	rVB	129087	162762	1.79%	0.183%
21	8.971	644	646	649	rVV	3502294	4205778	46.21%	4.721%
22	9.062	650	654	656	rBV2	274741	373577	4.10%	0.419%
23	9.233	666	669	671	rBV2	94116	162222	1.78%	0.182%
24	9.302	674	675	677	rBV2	145068	181472	1.99%	0.204%
25	9.348	677	679	680	rVB2	109721	147140	1.62%	0.165%
26	9.371	680	681	683	rBV2	409834	534703	5.87%	0.600%
27	9.508	690	693	695	rBV	176324	260959	2.87%	0.293%
28	9.542	695	696	698	rVB	77513	101857	1.12%	0.114%
29	9.588	698	700	701	rBV	534807	422647	4.64%	0.474%
30	9.645	701	705	706	rVV	1537625	1671243	18.36%	1.876%
31	9.668	706	707	710	rVV	478244	664983	7.31%	0.746%
32	9.805	717	719	721	rBV2	150952	269038	2.96%	0.302%
33	9.851	721	723	724	rVV	312466	365584	4.02%	0.410%
34	9.885	724	726	727	rVV2	87935	118895	1.31%	0.133%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.908	727	728	730	rVB	147223	115176	1.27%	0.129%
36	9.965	730	733	734	rBV2	83794	153810	1.69%	0.173%
37	10.056	738	741	742	rVV3	84914	191898	2.11%	0.215%
38	10.091	742	744	745	rVV	399030	463116	5.09%	0.520%
39	10.136	745	748	751	rVV4	65494	151664	1.67%	0.170%
40	10.182	751	752	756	rVV	232287	325265	3.57%	0.365%
41	10.251	756	758	761	rVV2	116537	189887	2.09%	0.213%
42	10.308	761	763	765	rVV2	287290	394379	4.33%	0.443%
43	10.342	765	766	769	rVB2	133235	191781	2.11%	0.215%
44	10.434	771	774	776	rBV	2670604	2683719	29.48%	3.013%
45	10.468	776	777	780	rVB2	71774	102424	1.13%	0.115%
46	10.559	783	785	788	rVV	586221	806109	8.86%	0.905%
47	10.765	797	803	806	rBV5	129677	420033	4.61%	0.471%
48	10.879	809	813	816	rBV3	132060	346431	3.81%	0.389%
49	10.936	816	818	820	rBV	87987	109197	1.20%	0.123%
50	10.971	820	821	823	rBV	109527	183409	2.01%	0.206%
51	11.005	823	824	829	rVB2	325213	621272	6.83%	0.697%
52	11.142	832	836	838	rBV2	1977192	3057935	33.60%	3.433%
53	11.199	838	841	842	rVB	499081	561088	6.16%	0.630%
54	11.234	842	844	847	rBV	115236	156151	1.72%	0.175%
55	11.359	853	855	859	rBV2	141236	323771	3.56%	0.363%
56	11.428	859	861	862	rBV2	169983	170332	1.87%	0.191%
57	11.531	868	870	873	rBV3	70188	93249	1.02%	0.105%
58	11.622	876	878	879	rVV	394410	377872	4.15%	0.424%
59	11.645	879	880	882	rVV	389593	514679	5.65%	0.578%
60	11.725	886	887	892	rVB	499436	899547	9.88%	1.010%
61	11.839	892	897	900	rBV4	153066	498184	5.47%	0.559%
62	11.919	902	904	905	rVV	247362	245201	2.69%	0.275%
63	11.965	907	908	909	rVB	204291	145438	1.60%	0.163%
64	12.068	915	917	918	rVB	147699	150086	1.65%	0.168%
65	12.102	918	920	923	rVB3	115059	258029	2.83%	0.290%
66	12.171	924	926	928	rBV	351185	417310	4.58%	0.468%
67	12.205	928	929	932	rVB2	178446	314122	3.45%	0.353%
68	12.262	932	934	936	rBV	192636	257958	2.83%	0.290%
69	12.331	938	940	942	rBV	2933972	2822186	31.01%	3.168%
70	12.377	942	944	947	rVB2	107794	143962	1.58%	0.162%
71	12.457	950	951	954	rBV2	196374	353416	3.88%	0.397%

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72	12.559	957	960	962	rBV	2637620	3226099	35.44%	3.621%
73	12.674	968	970	971	rBV	147536	156951	1.72%	0.176%
74	12.708	971	973	975	rVV	3112540	3033767	33.33%	3.405%
75	12.777	977	979	983	rVB4	202529	292872	3.22%	0.329%
76	12.891	985	989	990	rVB2	354186	711696	7.82%	0.799%
77	12.948	992	994	996	rBV	330560	374085	4.11%	0.420%
78	12.982	996	997	1001	rBV2	309776	478049	5.25%	0.537%
79	13.074	1003	1005	1007	rBV	165920	229180	2.52%	0.257%
80	13.257	1019	1021	1023	rBV2	175170	236771	2.60%	0.266%
81	13.394	1032	1033	1035	rVB	220232	220178	2.42%	0.247%
82	13.497	1040	1042	1044	rBV	239451	485837	5.34%	0.545%
83	13.748	1061	1064	1066	rBV2	1880839	3226856	35.45%	3.622%
84	13.782	1066	1067	1069	rVB	1347081	1007052	11.06%	1.130%
85	14.137	1096	1098	1100	rBV	286248	377186	4.14%	0.423%
86	14.754	1149	1152	1157	rVB	1159931	2050207	22.52%	2.301%
87	15.017	1173	1175	1177	rVV	617174	684396	7.52%	0.768%
88	15.074	1177	1180	1182	rVV	798699	1165922	12.81%	1.309%
89	15.120	1182	1184	1191	rVB2	693645	1304360	14.33%	1.464%
90	15.691	1232	1234	1241	rVB4	390111	880708	9.68%	0.989%
91	16.057	1264	1266	1270	rVB2	357303	580871	6.38%	0.652%
92	16.377	1291	1294	1297	rBV	346826	602510	6.62%	0.676%
93	16.754	1324	1327	1334	rVB	311801	727460	7.99%	0.817%

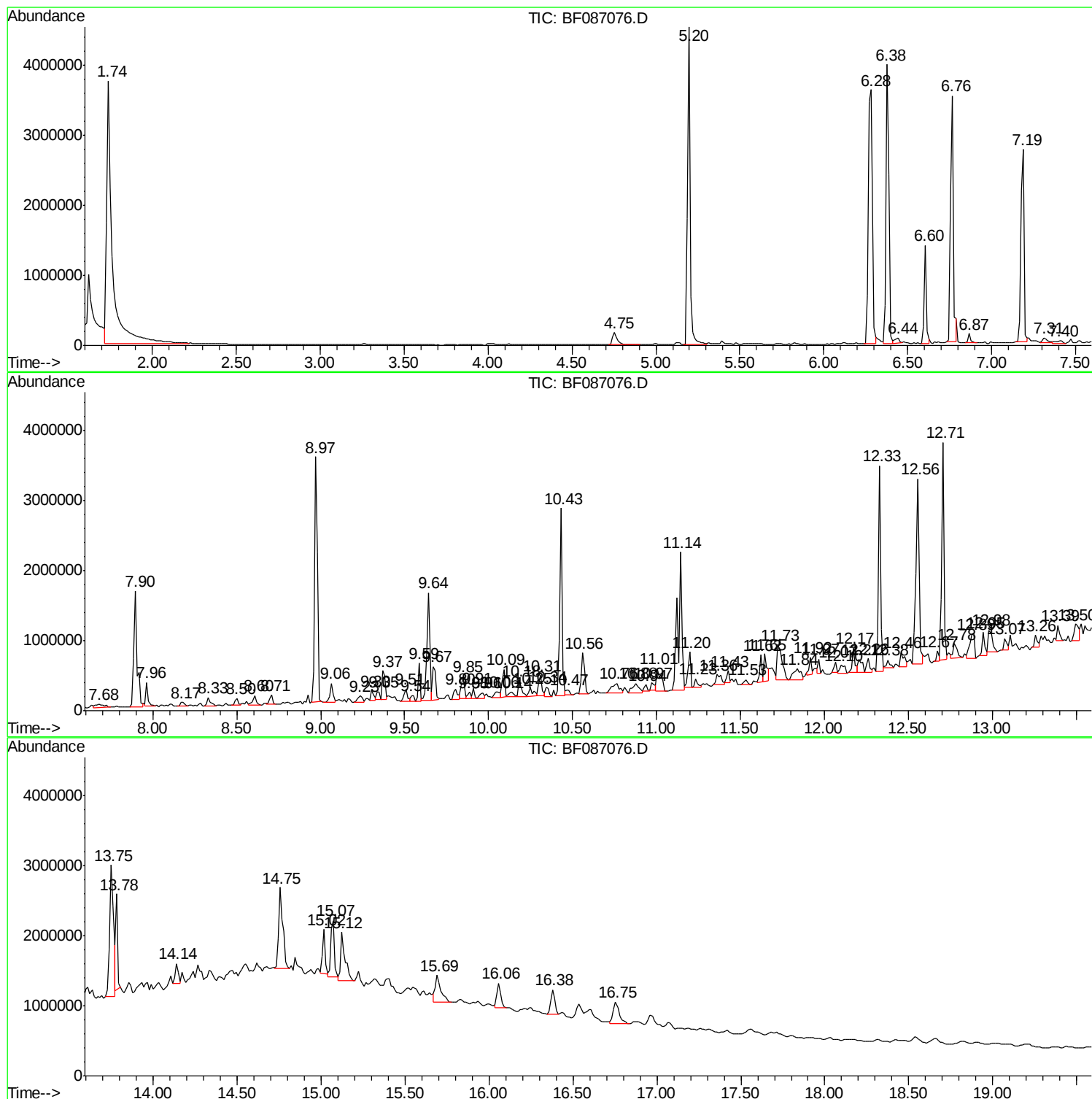
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Instrument :
BNA_F
ClientSampled :
E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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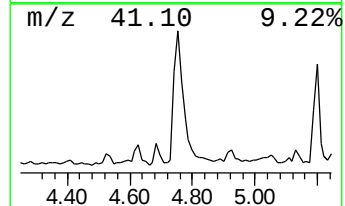
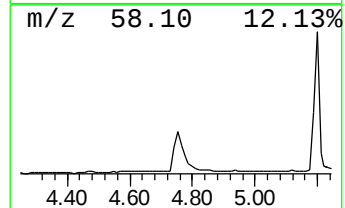
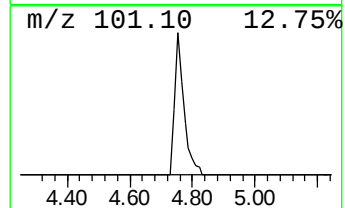
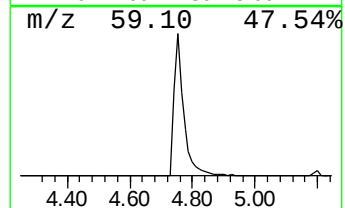
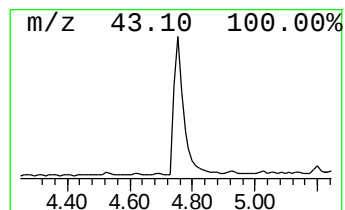
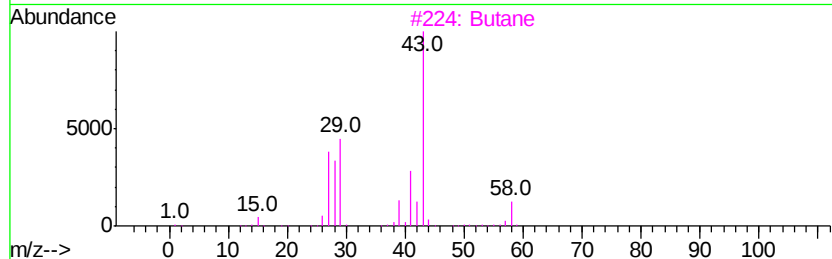
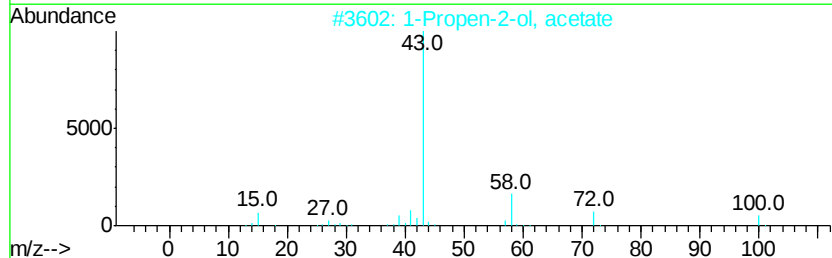
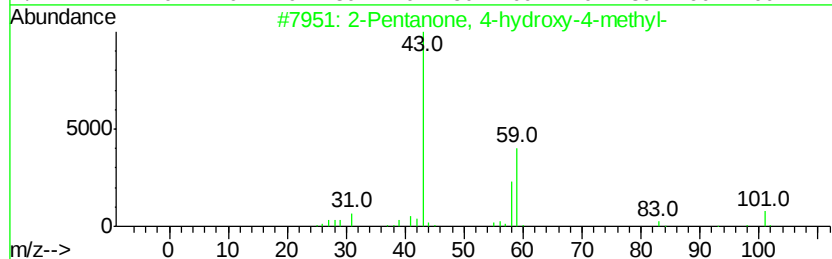
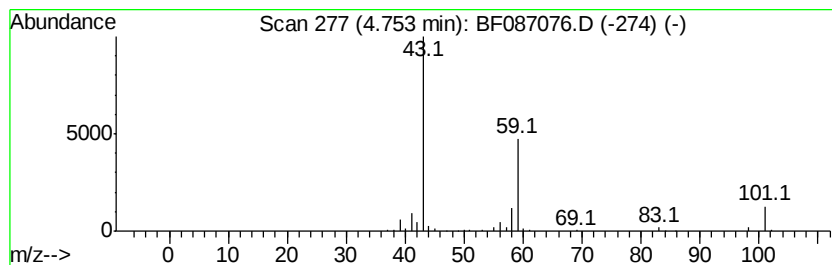
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.75	5.63 ng	363668	1,4-Dichlorobenzene-d4	6.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3		Butane	58	C4H10	000106-97-8	9
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5		Diacetamide	101	C4H7NO2	000625-77-4	9



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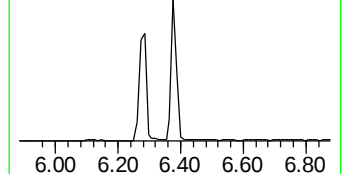
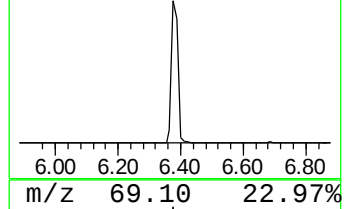
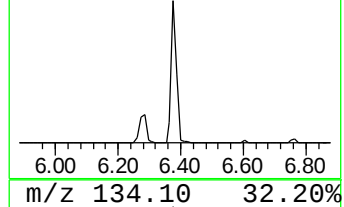
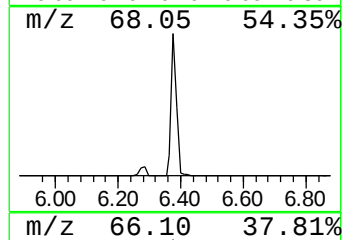
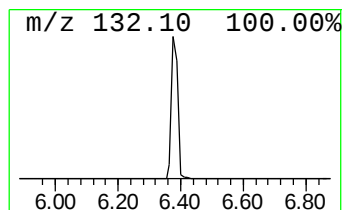
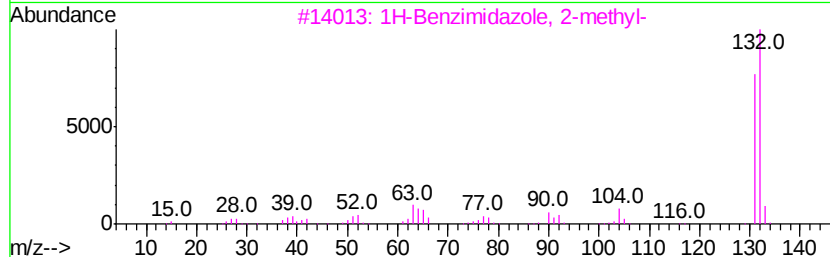
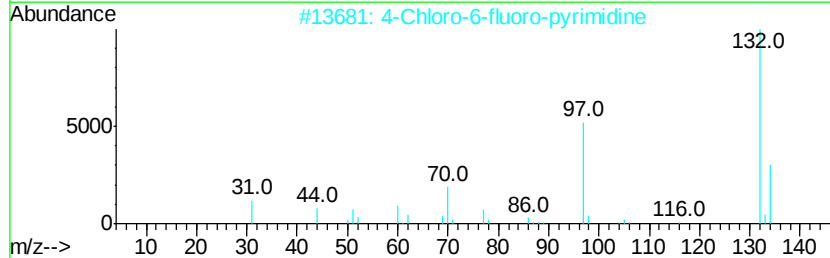
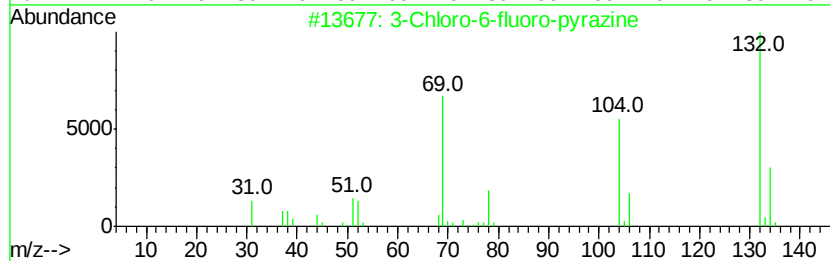
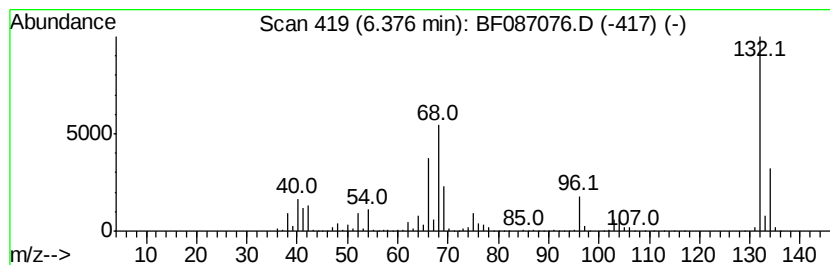
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.38 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.38	75.05 ng	4846170	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		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4		Pyrazolo(2,3-a)pyridine, 7-methyl-	132	C8H8N2	034760-58-2	22
5		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22



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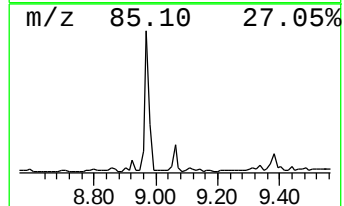
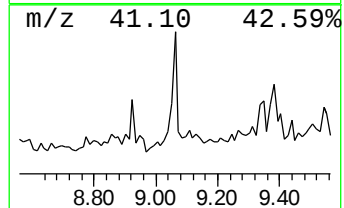
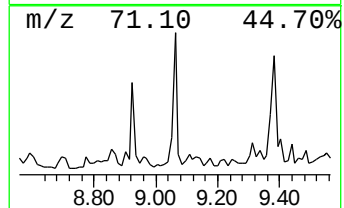
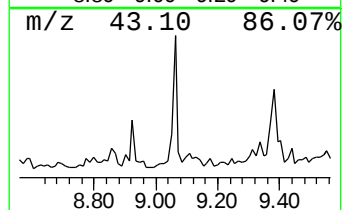
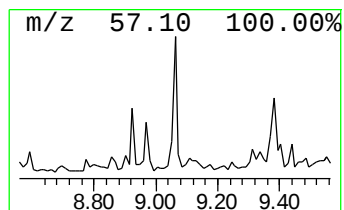
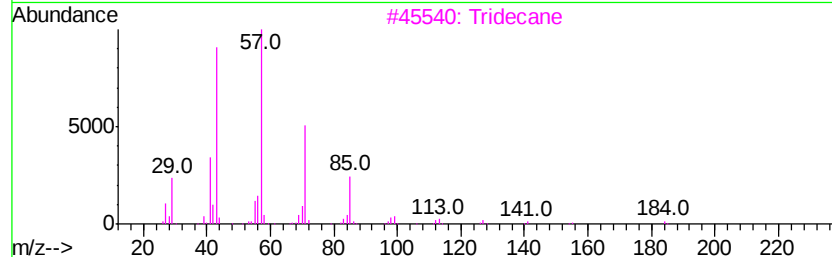
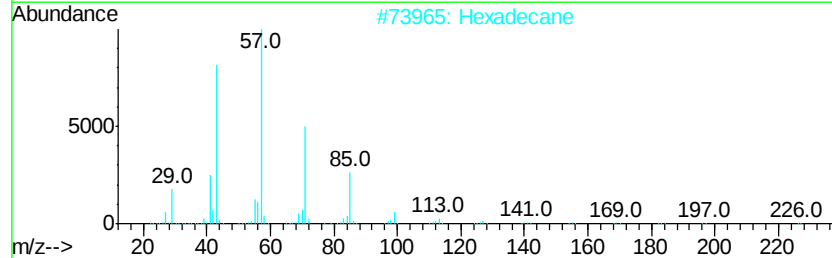
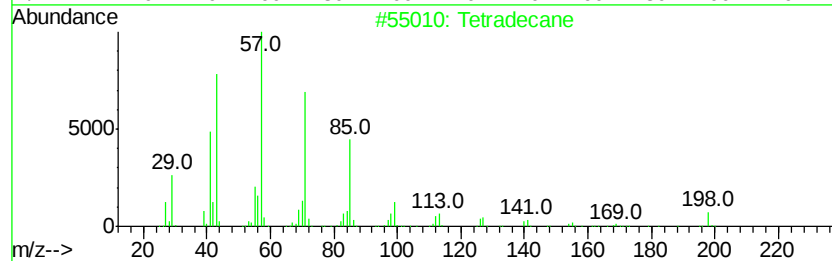
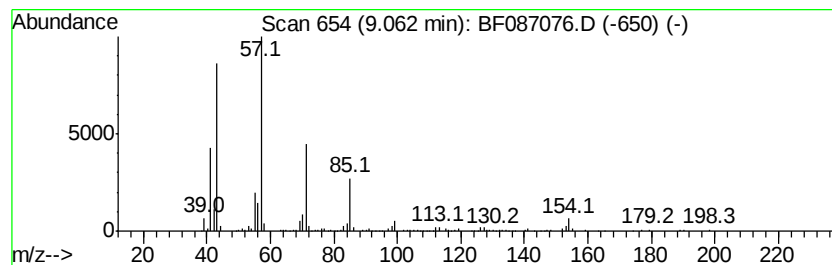
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Tetradecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	4.47 ng	373577	Acenaphthene-d10	9.64

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	93
2		Hexadecane	226	C16H34	000544-76-3	91
3		Tridecane	184	C13H28	000629-50-5	90
4		Eicosane	282	C20H42	000112-95-8	83
5		Hexatriacontane	507	C36H74	000630-06-8	72



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ALS Vial : 3 Sample Multiplier: 1

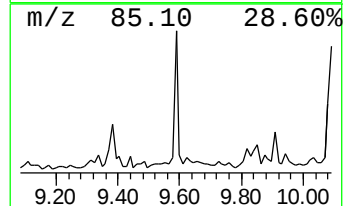
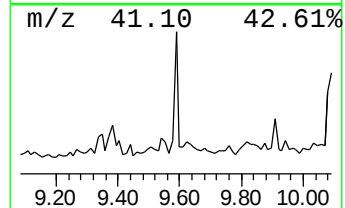
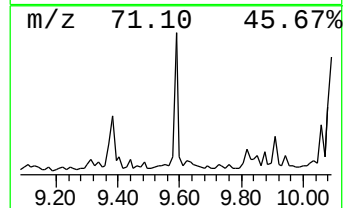
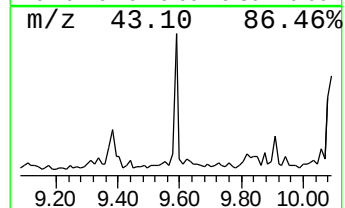
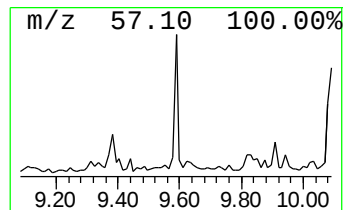
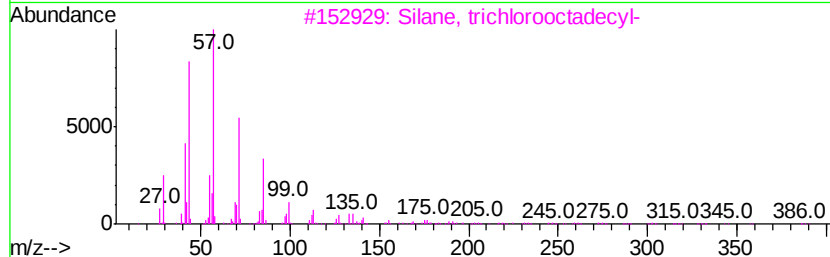
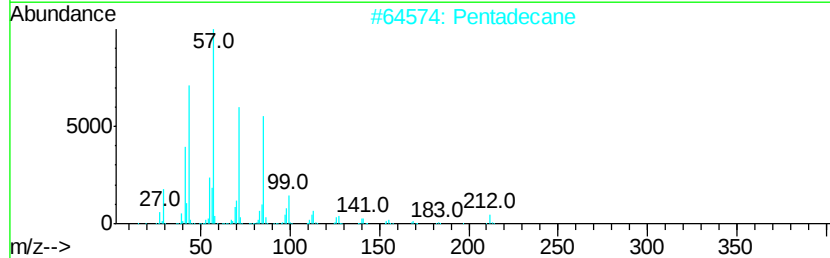
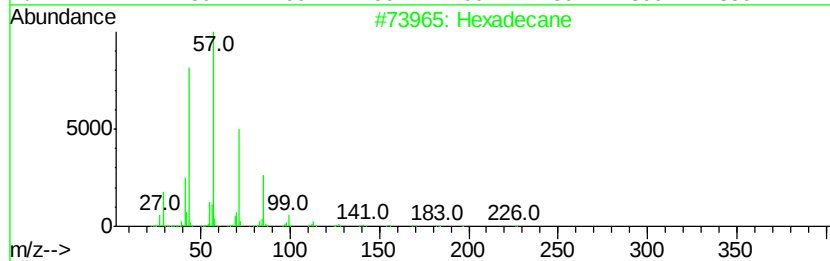
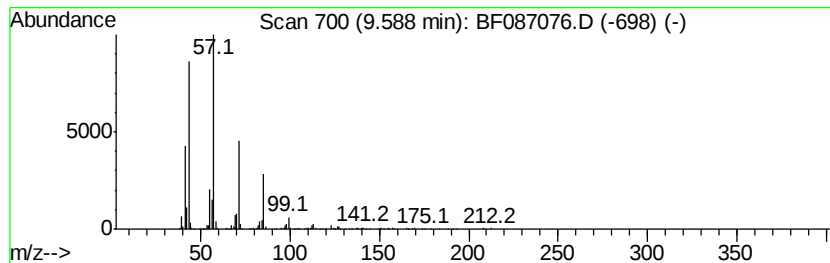
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ClientSampleId :
E-13(5.5-6)

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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 Hexadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.59	5.06 ng	422647	Acenaphthene-d10	9.64
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	91
2	Pentadecane	212 C15H32	000629-62-9	81
3	Silane, trichlorooctadecyl-	386 C18H37Cl3Si	000112-04-9	80
4	1-Iodo-2-methylnonane	268 C10H21I	1000101-47-9	72
5	Dodecane, 2,6,11-trimethyl-	212 C15H32	031295-56-4	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087076.D
Acq On : 16 May 2016 12:47
Operator : UM/SJ
Sample : H2965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

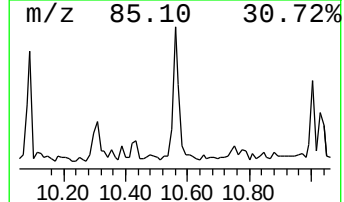
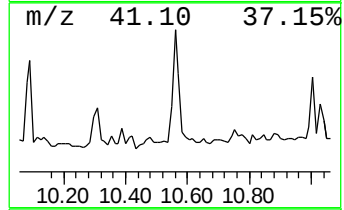
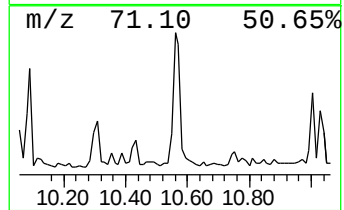
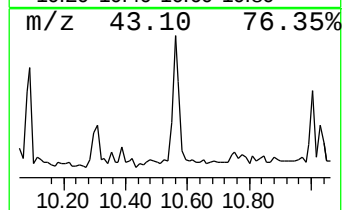
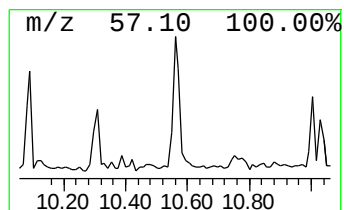
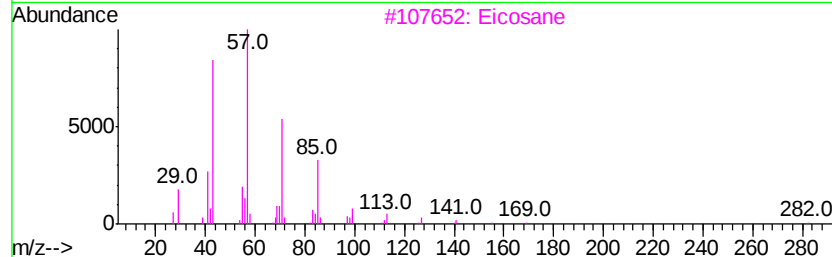
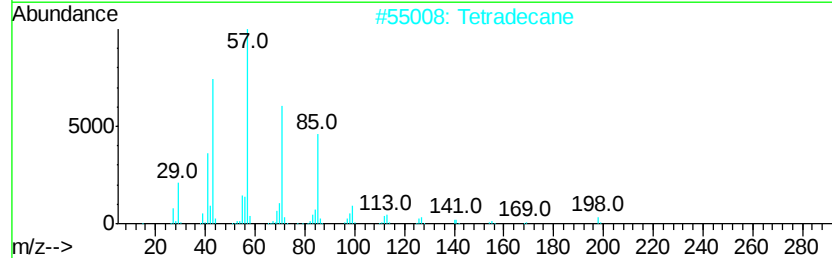
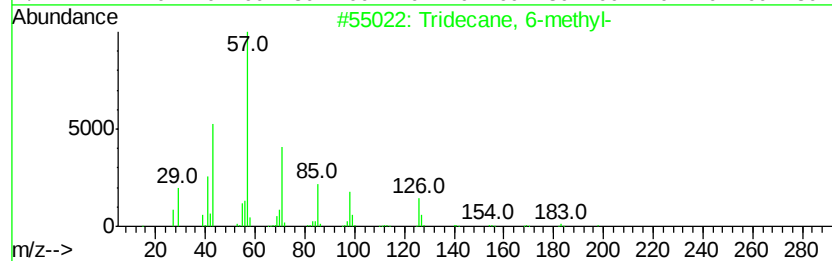
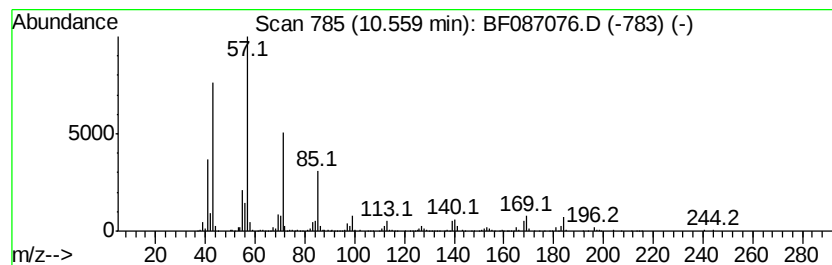
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tridecane, 6-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.56	5.27 ng	806109	Phenanthrene-d10	11.12	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	70
2	Tetradecane	198	C14H30	000629-59-4	70
3	Eicosane	282	C20H42	000112-95-8	70
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	68
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	68



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087076.D
Acq On : 16 May 2016 12:47
Operator : UM/SJ
Sample : H2965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E-13(5.5-6)

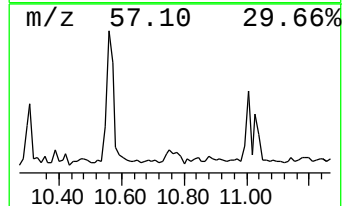
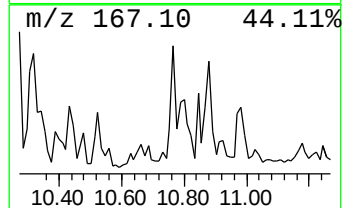
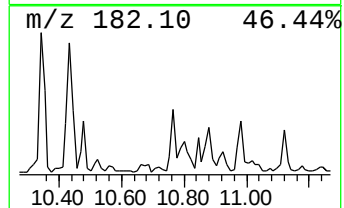
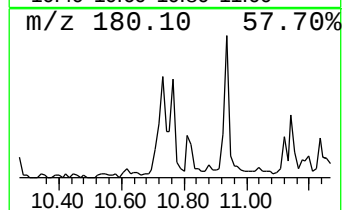
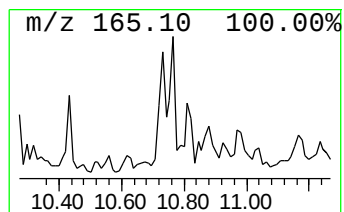
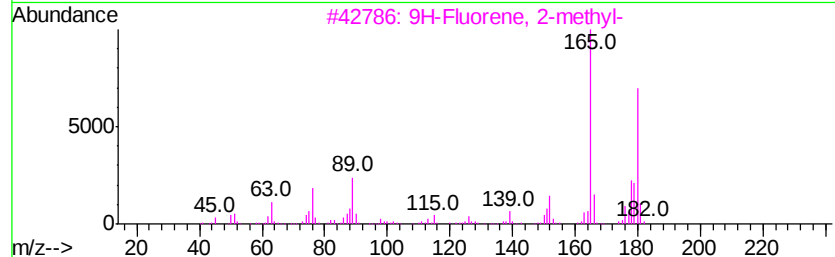
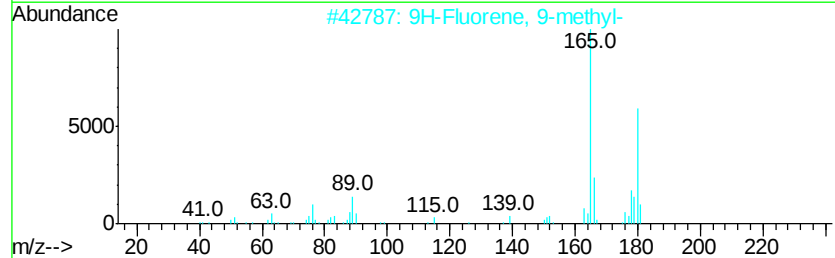
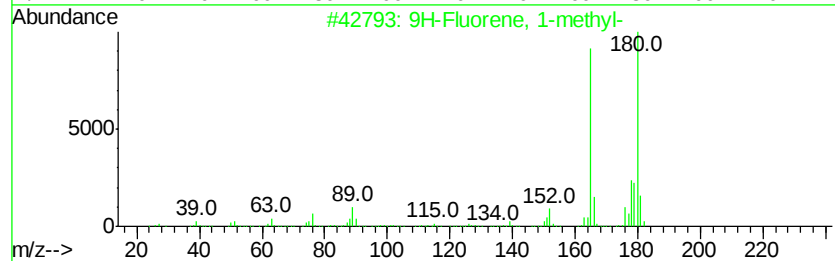
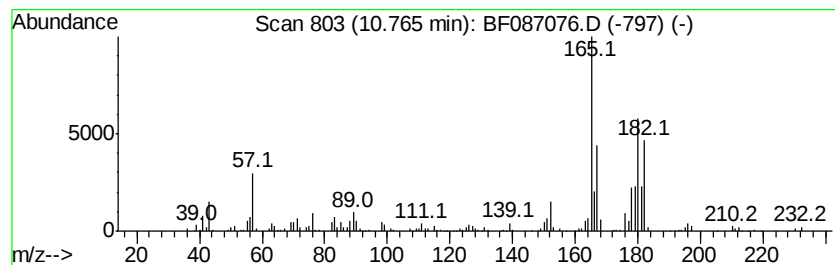
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	2.75 ng	420033	Phenanthrene-d10	11.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	55
2		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	55
3		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	55
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	50
5		Benzenethiol, 4-(1,1-dimethyleth...	180	C11H16S	015570-10-2	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
Data File : BF087076.D
Acq On : 16 May 2016 12:47
Operator : UM/SJ
Sample : H2965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E-13(5.5-6)

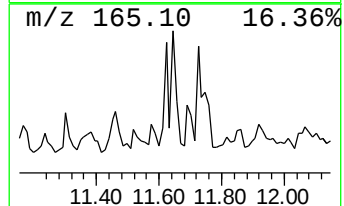
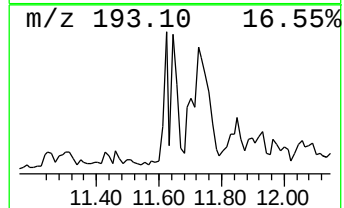
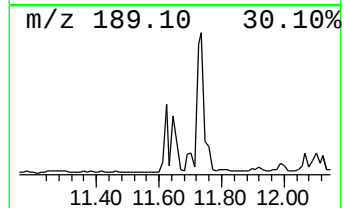
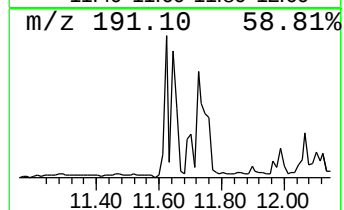
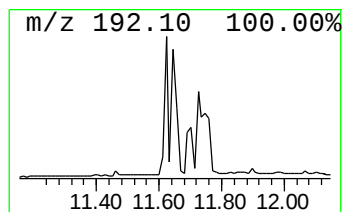
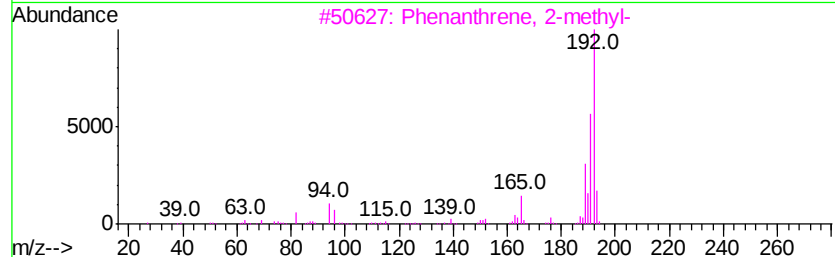
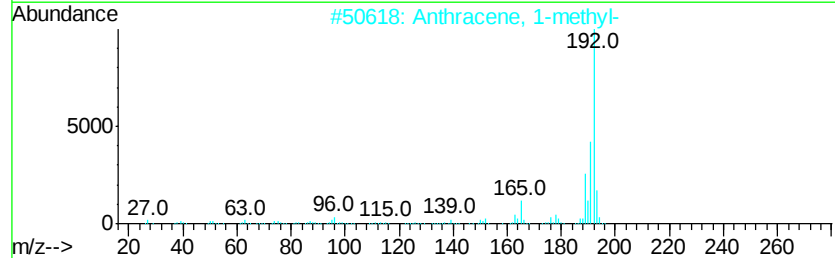
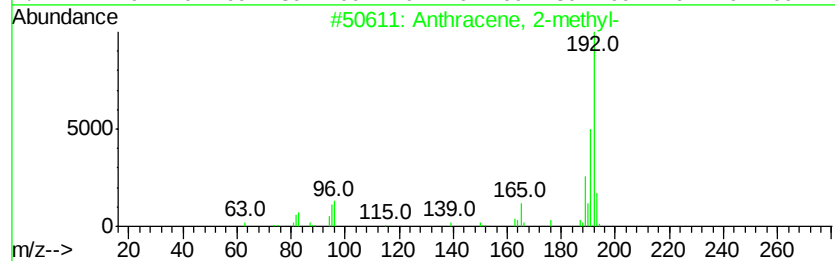
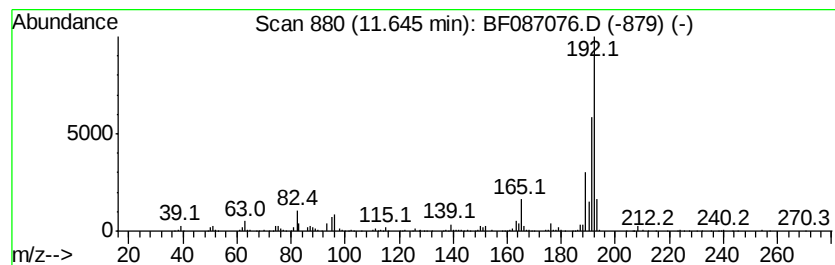
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	3.37 ng	514679	Phenanthrene-d10	11.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
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Misc :
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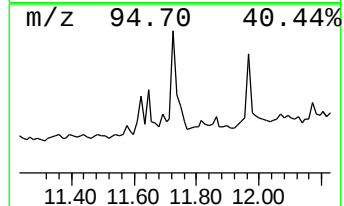
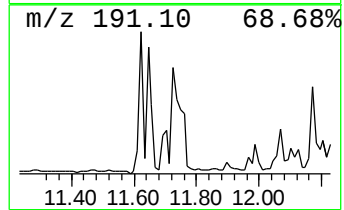
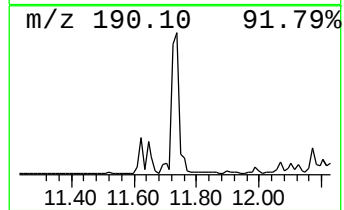
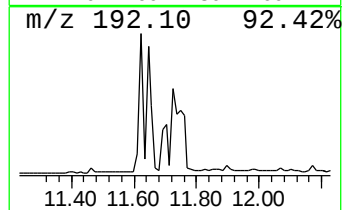
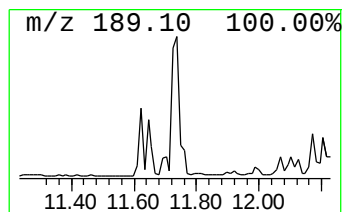
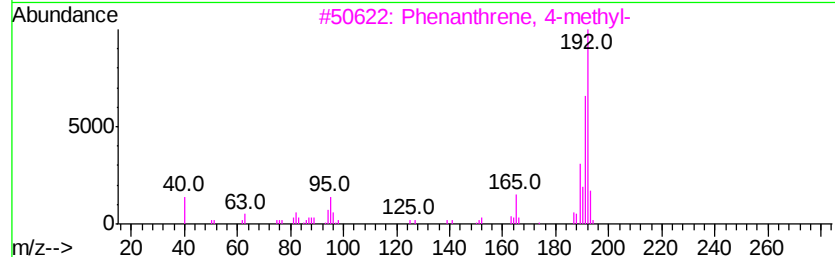
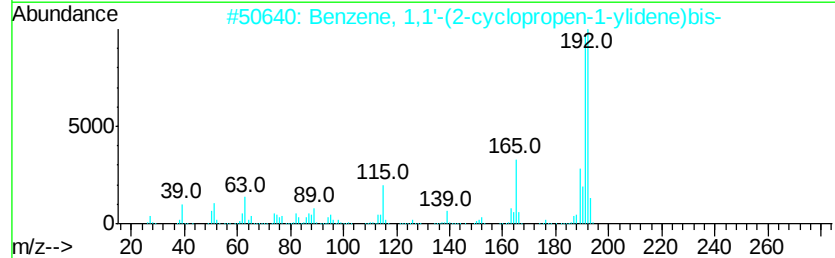
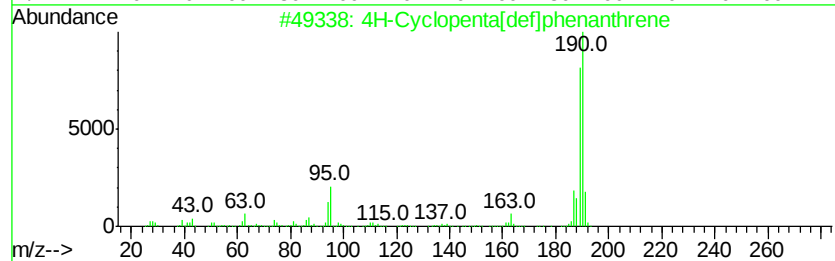
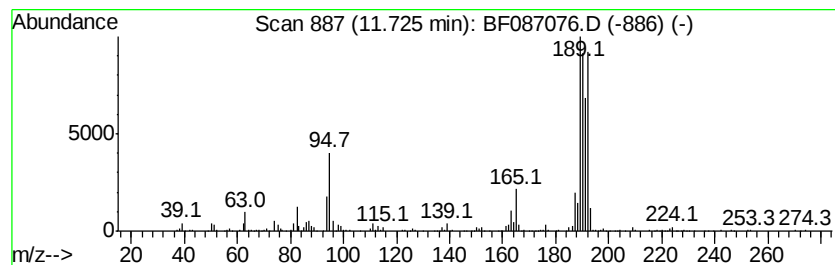
Instrument :
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ClientSampleId :
E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.73	5.88 ng	899547	Phenanthrene-d10	11.12	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2	Benzene, 1,1'-(2-cyclopropen-1-ylidene)bis-	192	C15H12	022825-21-4	46
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	45
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	45
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
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Acq On : 16 May 2016 12:47
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Sample : H2965-01
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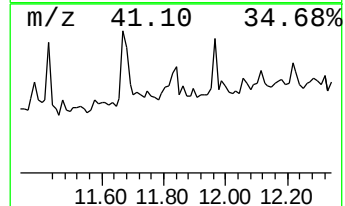
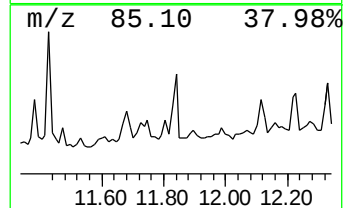
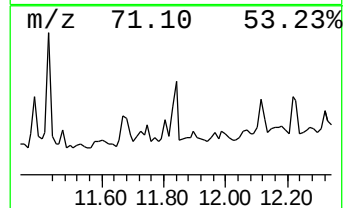
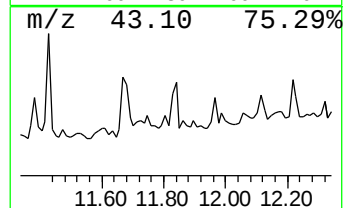
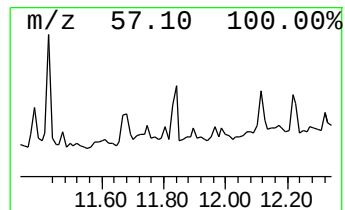
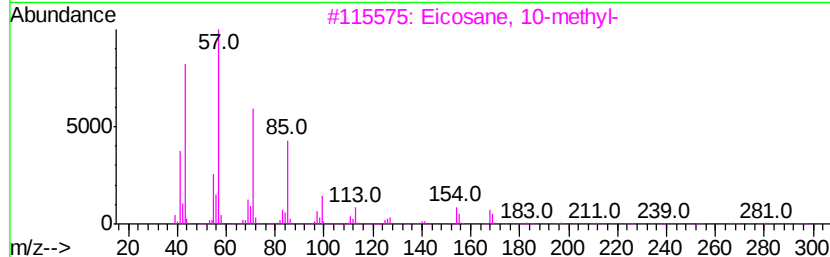
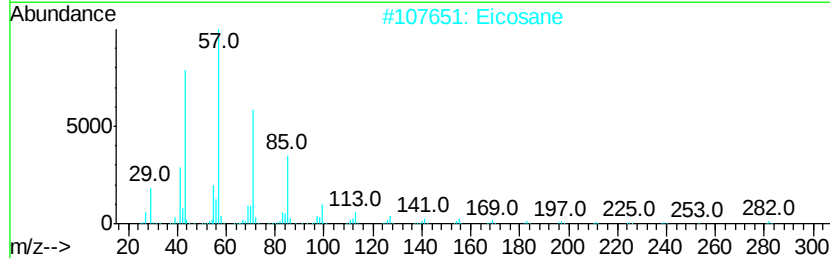
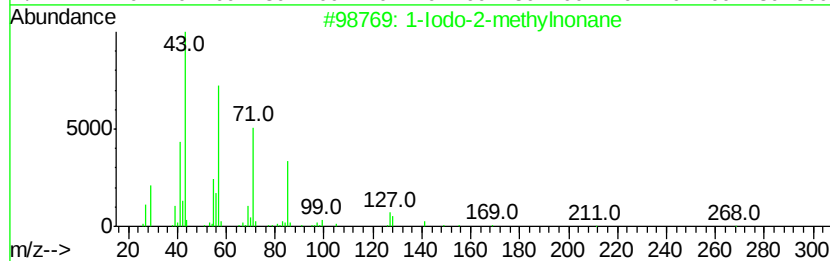
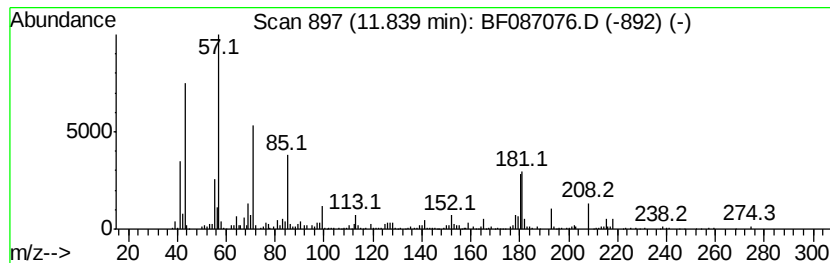
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown11.84 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.84	3.26 ng	498184	Phenanthrene-d10	11.12	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	49
2	Eicosane	282	C20H42	000112-95-8	49
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	46
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	46
5	Heptacosane	380	C27H56	000593-49-7	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
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Acq On : 16 May 2016 12:47
Operator : UM/SJ
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampled :
E-13(5.5-6)

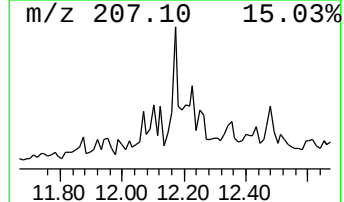
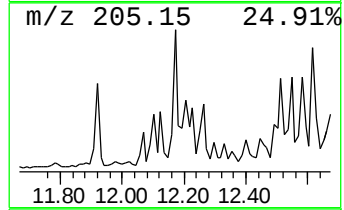
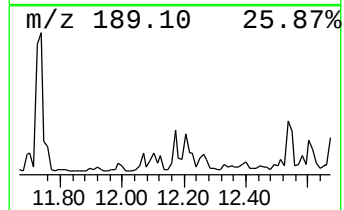
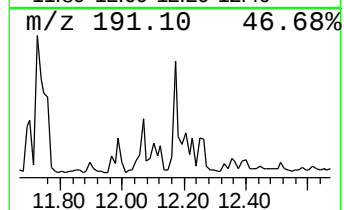
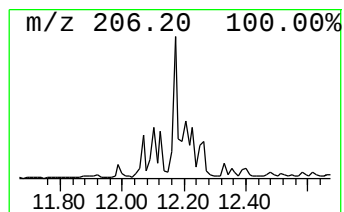
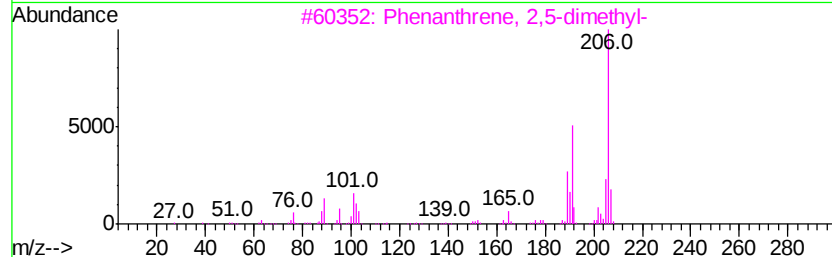
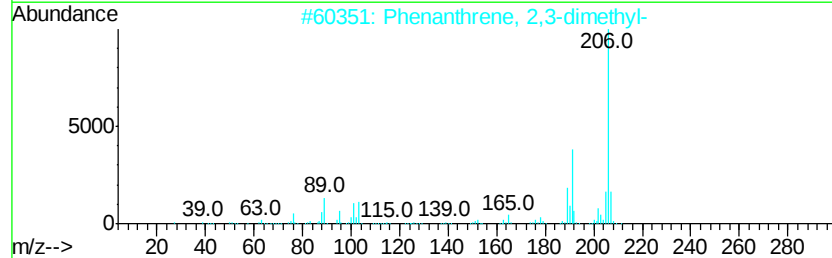
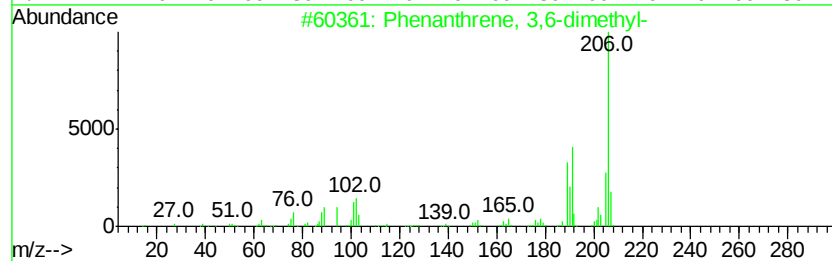
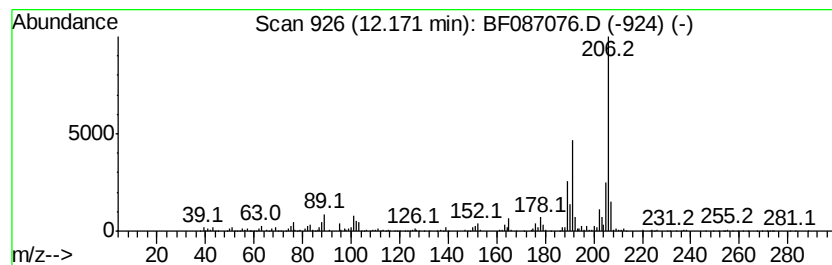
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	2.73 ng	417310	Phenanthrene-d10	11.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	86
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087076.D
Acq On : 16 May 2016 12:47
Operator : UM/SJ
Sample : H2965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-13(5.5-6)

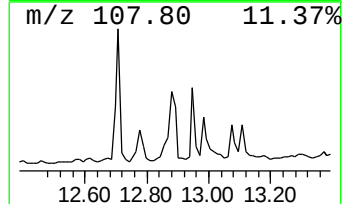
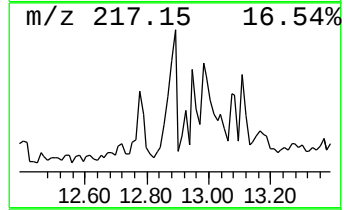
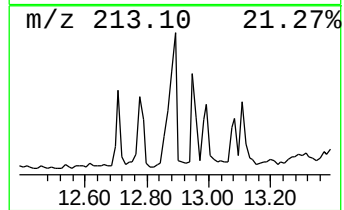
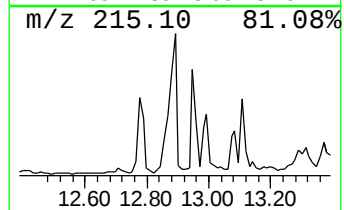
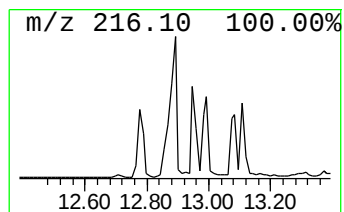
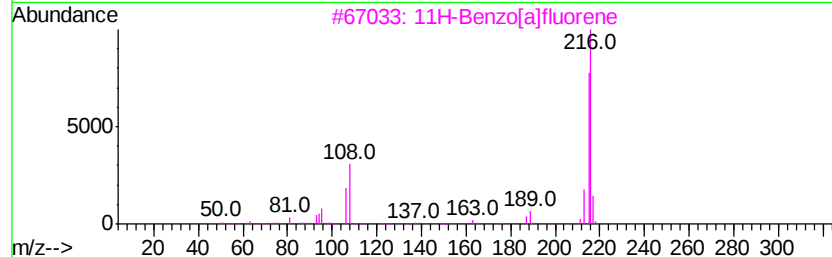
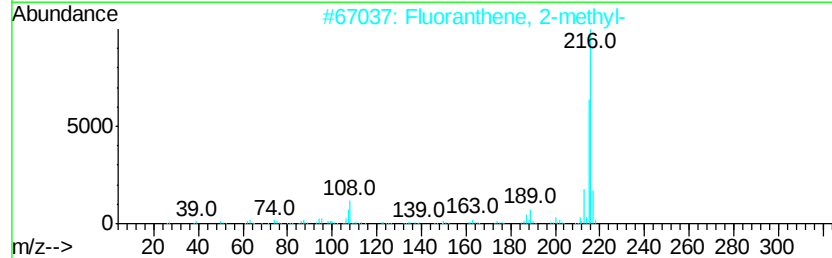
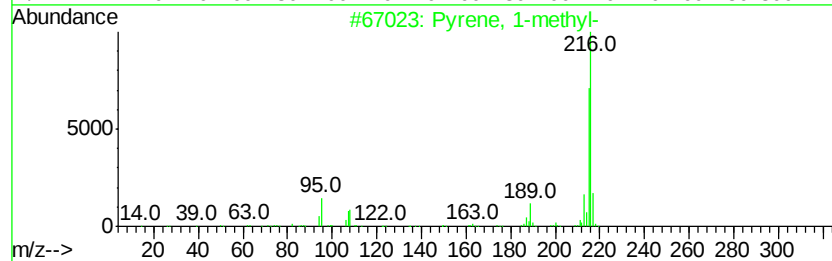
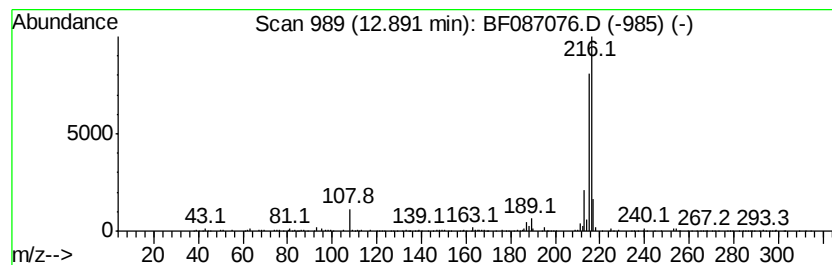
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	4.41 ng	711696	Chrysene-d12	13.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5		.beta.-Carboline, 1,2,3,4-tetra...	260	C14H16N2O3	1000124-14-2	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087076.D
Acq On : 16 May 2016 12:47
Operator : UM/SJ
Sample : H2965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E-13(5.5-6)

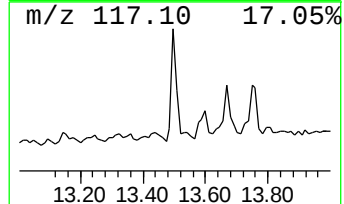
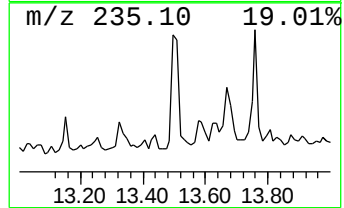
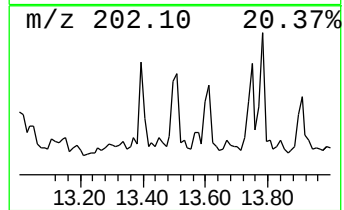
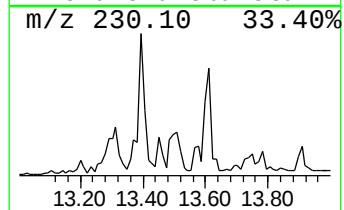
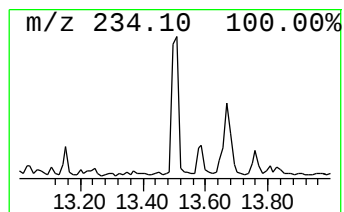
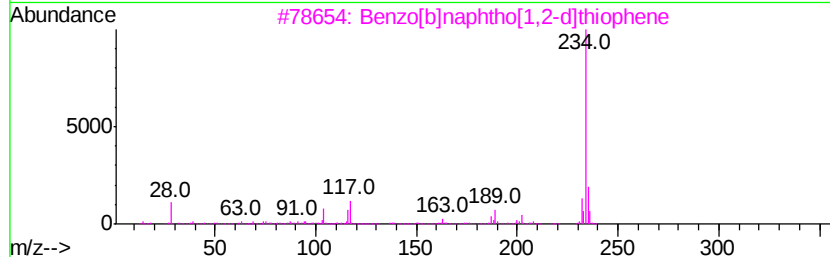
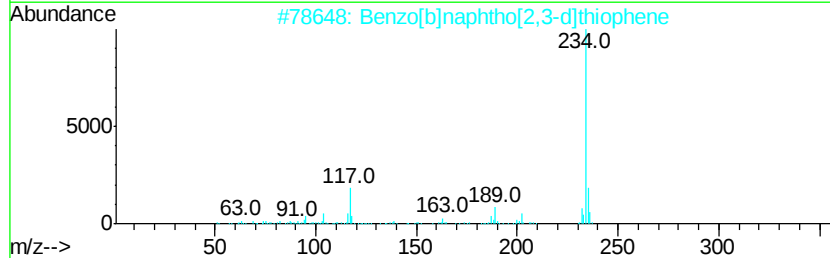
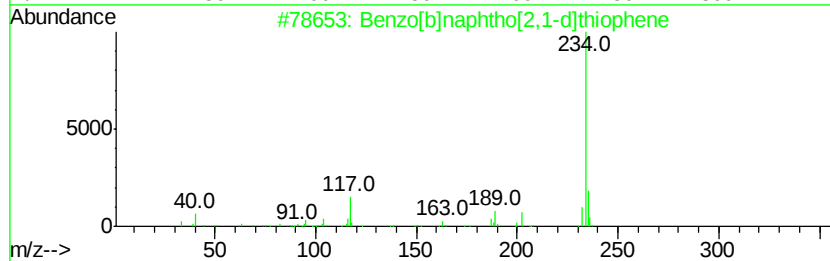
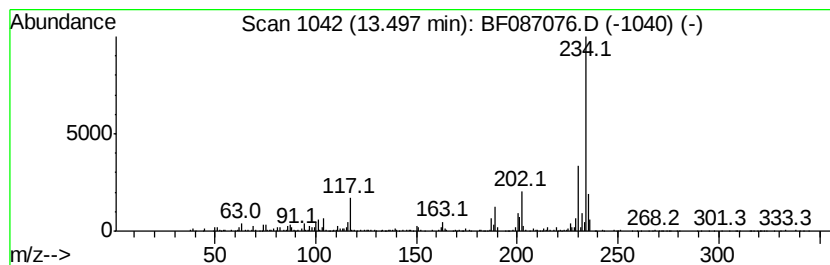
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	3.01 ng	485837	Chrysene-d12	13.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	89
3		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	52
4		Imidazole, 4-pentafluorophenyl-	234	C9H3F5N2	081769-58-6	43
5		Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087076.D
Acq On : 16 May 2016 12:47
Operator : UM/SJ
Sample : H2965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-13(5.5-6)

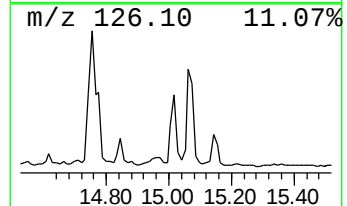
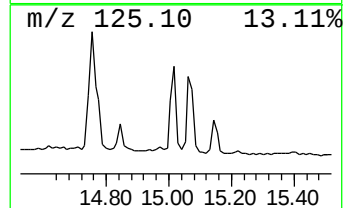
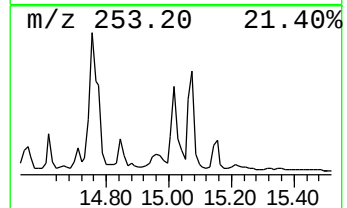
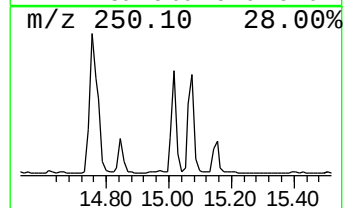
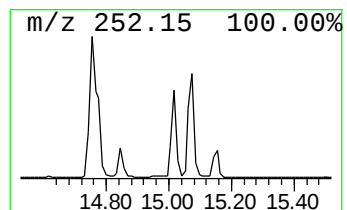
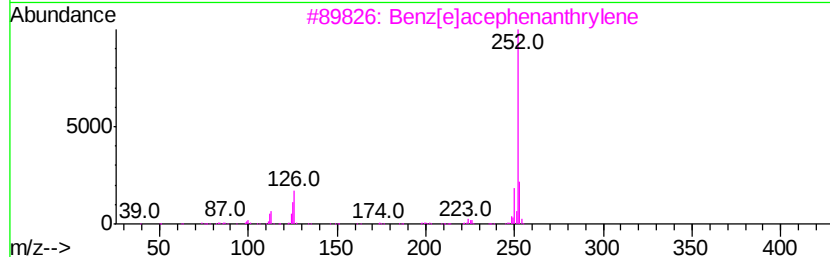
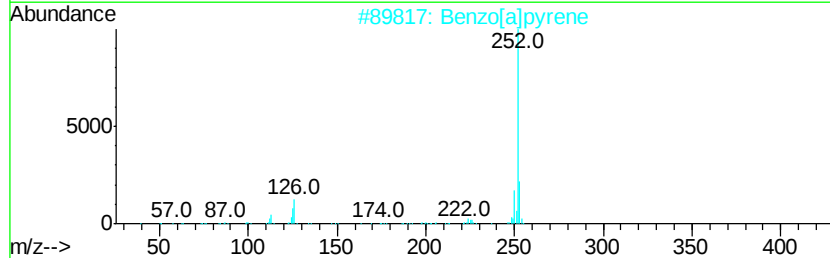
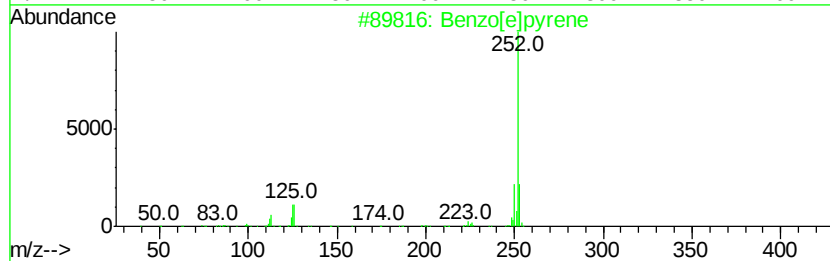
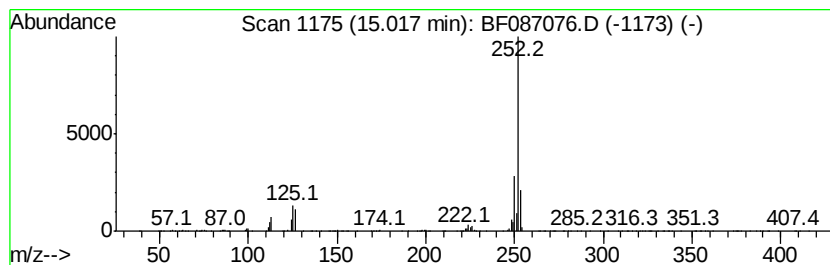
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	10.49 ng	684396	Perylene-d12	15.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[a]pyrene	252	C20H12	000050-32-8	96
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4		Perylene	252	C20H12	000198-55-0	96
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087076.D
Acq On : 16 May 2016 12:47
Operator : UM/SJ
Sample : H2965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

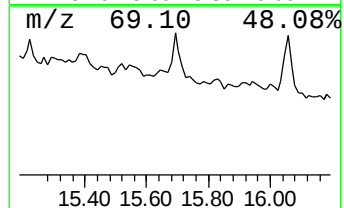
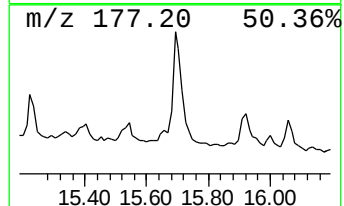
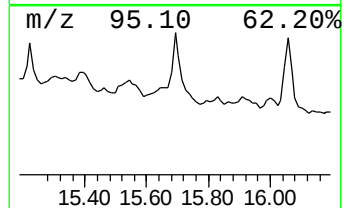
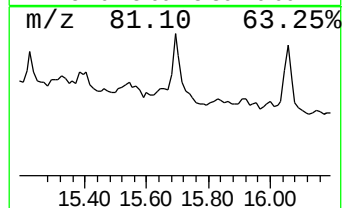
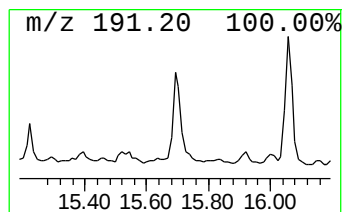
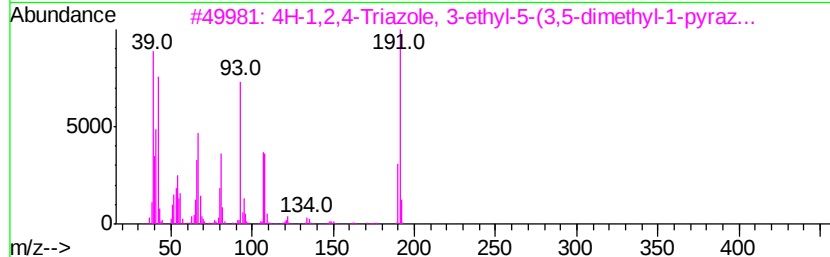
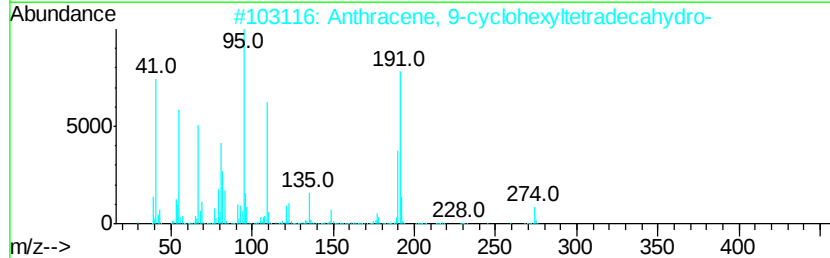
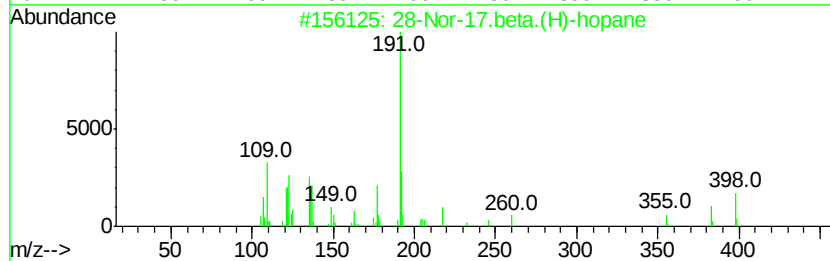
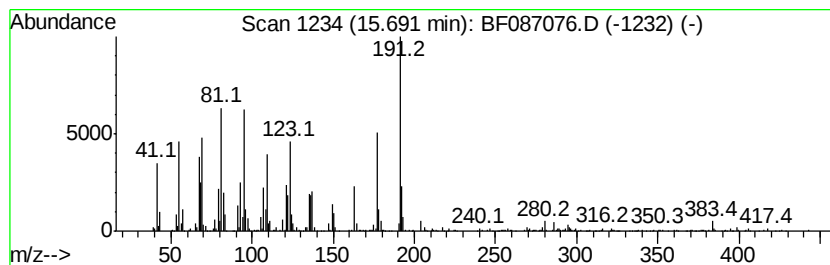
Instrument :
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ClientSampleId :
E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 28-Nor-17.beta.(H)-hopane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	13.50 ng	880708	Perylene-d12	15.12
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	28-Nor-17.beta.(H)-hopane	398 C29H50	036728-72-0	58
2	Anthracene, 9-cyclohexyltetradec...	274 C20H34	055255-70-4	35
3	4H-1,2,4-Triazole, 3-ethyl-5-(3,...	191 C9H13N5	328532-29-2	25
4	2-(Fench-2-yl)fenchane	274 C20H34	1000105-83-1	25
5	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138 C10H18	020536-40-7	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051616\
Data File : BF087076.D
Acq On : 16 May 2016 12:47
Operator : UM/SJ
Sample : H2965-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E-13(5.5-6)

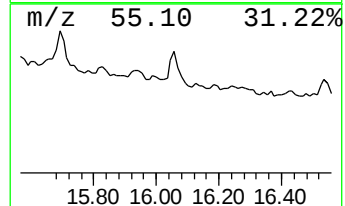
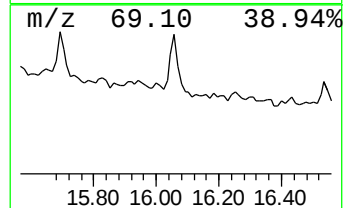
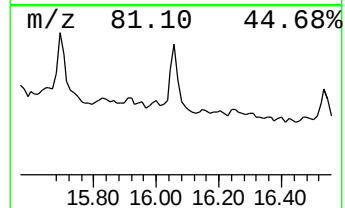
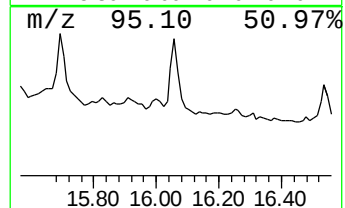
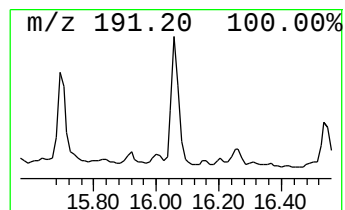
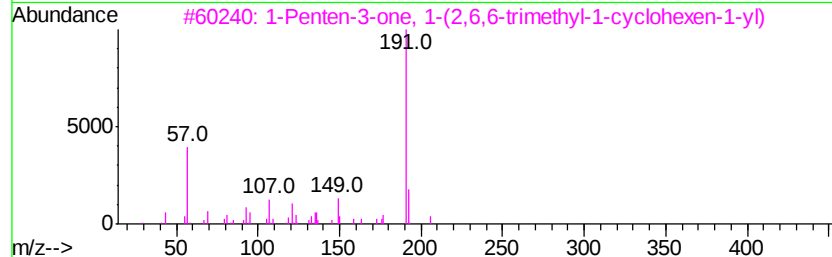
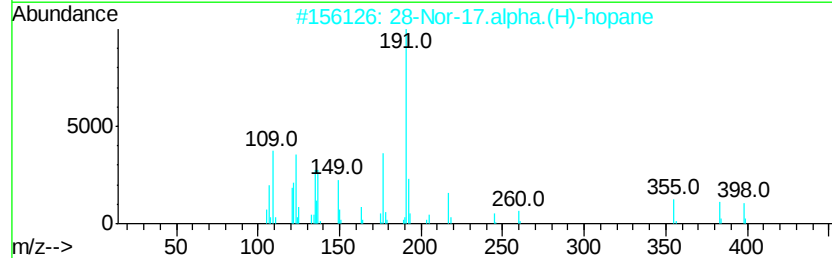
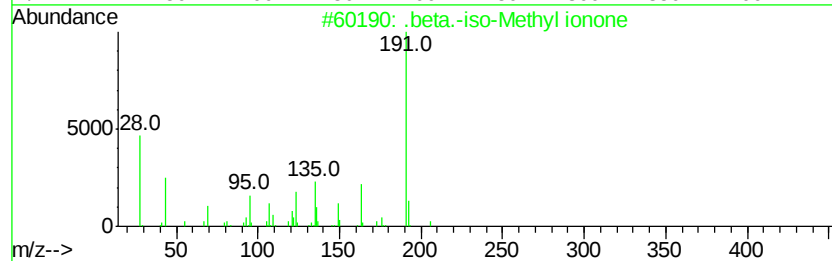
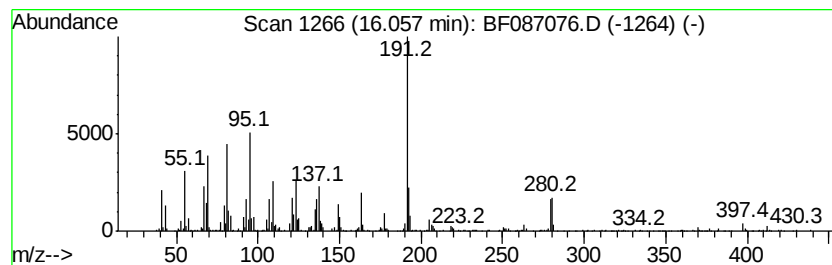
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 .beta.-iso-Methyl ionone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	8.91 ng	580871	Perylene-d12	15.12

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	53
2		28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	50
3		1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	41
4		2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	37
5		1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	37



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051616\
 Data File : BF087076.D
 Acq On : 16 May 2016 12:47
 Operator : UM/SJ
 Sample : H2965-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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...	4.75	5.6	ng	363668	1	6.60	1291440	20.0
unknown6.38	6.38	75.0	ng	4846170	1	6.60	1291440	20.0
Tetradecane	9.06	4.5	ng	373577	3	9.64	1671240	20.0
Hexadecane	9.59	5.1	ng	422647	3	9.64	1671240	20.0
Tridecane, 6-methyl-	10.56	5.3	ng	806109	4	11.12	3057940	20.0
9H-Fluorene, 1-me...	10.77	2.8	ng	420033	4	11.12	3057940	20.0
Anthracene, 2-met...	11.65	3.4	ng	514679	4	11.12	3057940	20.0
4H-Cyclopenta[def...	11.73	5.9	ng	899547	4	11.12	3057940	20.0
unknown11.84	11.84	3.3	ng	498184	4	11.12	3057940	20.0
Phenanthrene, 3,6...	12.17	2.7	ng	417310	4	11.12	3057940	20.0
Pyrene, 1-methyl-	12.89	4.4	ng	711696	5	13.76	3226860	20.0
Benzo[b]naphtho[2...	13.50	3.0	ng	485837	5	13.76	3226860	20.0
Benzo[e]pyrene	15.02	10.5	ng	684396	6	15.12	1304360	20.0
28-Nor-17.beta.(H...	15.69	13.5	ng	880708	6	15.12	1304360	20.0
.beta.-iso-Methyl...	16.06	8.9	ng	580871	6	15.12	1304360	20.0