

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
 Data File : BF093025.D
 Acq On : 17 Feb 2017 21:59
 Operator : SJ/MA
 Sample : I1884-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT-D-COMP

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-BF013017.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	2.304	14	19	22	rVV	173200	379020	8.40%	0.560%
2	3.127	88	91	97	rBV3	38323	118764	2.63%	0.175%
3	3.744	137	145	146	rBV	133068	275997	6.11%	0.408%
4	3.778	146	148	152	rVV	350961	532582	11.80%	0.786%
5	3.904	152	159	163	rVB	132215	280069	6.20%	0.414%
6	4.407	201	203	207	rVB	348725	466598	10.34%	0.689%
7	4.967	244	252	254	rBV3	84309	258791	5.73%	0.382%
8	5.036	254	258	266	rVB	1118001	2022186	44.80%	2.986%
9	5.299	279	281	283	rBV	297563	376095	8.33%	0.555%
10	5.413	288	291	293	rBV	693370	1193502	26.44%	1.762%
11	5.459	293	295	297	rVB	3922405	4060109	89.95%	5.995%
12	5.676	312	314	318	rVV2	204325	234956	5.21%	0.347%
13	5.744	318	320	323	rVV	195895	188590	4.18%	0.278%
14	6.007	339	343	345	rBV2	118151	155343	3.44%	0.229%
15	6.087	348	350	353	rVB2	107450	155835	3.45%	0.230%
16	6.373	374	375	377	rBV	165670	161818	3.58%	0.239%
17	6.442	379	381	383	rBV2	73659	107757	2.39%	0.159%
18	6.499	383	386	389	rBV	3256014	4513971	100.00%	6.666%
19	6.624	395	397	399	rBV	3680334	3815990	84.54%	5.635%
20	6.682	399	402	405	rVB3	177964	291353	6.45%	0.430%
21	6.853	415	417	421	rBV	1154421	1076874	23.86%	1.590%
22	7.013	429	431	433	rBV	3480926	3232223	71.60%	4.773%
23	7.127	438	441	443	rVB3	75147	142431	3.16%	0.210%
24	7.173	443	445	450	rBV4	75593	193034	4.28%	0.285%
25	7.253	450	452	455	rBV3	63958	136371	3.02%	0.201%
26	7.425	464	467	469	rBV	2588467	2529509	56.04%	3.735%
27	7.665	482	488	490	rVB3	53546	122314	2.71%	0.181%
28	7.779	492	498	500	rBV6	43423	108501	2.40%	0.160%
29	7.882	504	507	511	rBV4	42724	104046	2.30%	0.154%
30	8.145	527	530	531	rVV	1334369	1430900	31.70%	2.113%
31	8.568	565	567	569	rBV	96042	139593	3.09%	0.206%
32	8.853	591	592	593	rVB	183773	126336	2.80%	0.187%
33	9.219	621	624	626	rBV	4403666	4145341	91.83%	6.121%
34	9.299	628	631	633	rBV	172917	258621	5.73%	0.382%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
 Data File : BF093025.D
 Acq On : 17 Feb 2017 21:59
 Operator : SJ/MA
 Sample : I1884-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT-D-COMP

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-BF013017.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.482	644	647	649	rBV	121673	188582	4.18%	0.278%
36	9.550	649	653	654	rBV	223338	255510	5.66%	0.377%
37	9.608	656	658	660	rVV	757100	1079689	23.92%	1.594%
38	9.665	660	663	668	rVB4	78333	211871	4.69%	0.313%
39	9.756	669	671	672	rBV	174725	167918	3.72%	0.248%
40	9.825	676	677	679	rVB	183297	138722	3.07%	0.205%
41	9.893	679	683	685	rBV	1468299	1429547	31.67%	2.111%
42	9.928	685	686	688	rVB2	227525	167968	3.72%	0.248%
43	9.996	690	692	694	rVB	102913	130531	2.89%	0.193%
44	10.053	694	697	699	rBV4	72837	154665	3.43%	0.228%
45	10.099	699	701	703	rVB	187086	205773	4.56%	0.304%
46	10.133	703	704	707	rVB3	112357	119650	2.65%	0.177%
47	10.213	709	711	712	rBV	115315	174598	3.87%	0.258%
48	10.293	717	718	719	rBV	144984	167305	3.71%	0.247%
49	10.328	719	721	722	rVB2	143421	172157	3.81%	0.254%
50	10.442	729	731	734	rBV3	211320	291754	6.46%	0.431%
51	10.545	738	740	743	rVV2	120122	180054	3.99%	0.266%
52	10.591	743	744	746	rVV	78092	105146	2.33%	0.155%
53	10.682	749	752	754	rVV	1875753	1941792	43.02%	2.867%
54	10.796	760	762	766	rVB	311399	500830	11.10%	0.740%
55	11.139	788	792	794	rBV2	94104	195967	4.34%	0.289%
56	11.185	794	796	798	rVV	137084	123595	2.74%	0.183%
57	11.242	799	801	802	rVV2	229344	249017	5.52%	0.368%
58	11.276	802	804	807	rVB	219055	241819	5.36%	0.357%
59	11.379	811	813	814	rBV	1183147	1176978	26.07%	1.738%
60	11.402	814	815	817	rVV	2119117	1641197	36.36%	2.423%
61	11.448	817	819	821	rVB	371880	458879	10.17%	0.678%
62	11.482	821	822	824	rBV2	75072	102321	2.27%	0.151%
63	11.608	830	833	837	rBV	347315	574467	12.73%	0.848%
64	11.665	837	838	840	rVV2	158612	209423	4.64%	0.309%
65	11.711	840	842	845	rVB3	76666	112375	2.49%	0.166%
66	11.882	854	857	858	rBV	203602	270570	5.99%	0.400%
67	11.905	858	859	861	rVV	402954	332984	7.38%	0.492%
68	11.951	861	863	865	rVV2	135158	181001	4.01%	0.267%
69	11.985	865	866	871	rVB	380500	623546	13.81%	0.921%
70	12.076	872	874	876	rVV2	146118	144744	3.21%	0.214%
71	12.179	880	883	886	rVB2	141596	319123	7.07%	0.471%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
 Data File : BF093025.D
 Acq On : 17 Feb 2017 21:59
 Operator : SJ/MA
 Sample : I1884-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT-D-COMP

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-BF013017.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.351	897	898	902	rVB2	106171	174954	3.88%	0.258%
73	12.431	902	905	906	rBV2	266858	412261	9.13%	0.609%
74	12.465	906	908	911	rVB	217356	283366	6.28%	0.418%
75	12.511	911	912	916	rVB2	123446	140481	3.11%	0.207%
76	12.591	916	919	921	rBV	2392948	2105756	46.65%	3.109%
77	12.636	921	923	926	rVB2	77807	131095	2.90%	0.194%
78	12.819	936	939	942	rVB	2010053	2228572	49.37%	3.291%
79	12.865	942	943	945	rVB2	98607	125225	2.77%	0.185%
80	12.968	949	952	954	rVB	2158138	2922474	64.74%	4.315%
81	13.037	954	958	962	rBV3	137441	225161	4.99%	0.332%
82	13.139	964	967	969	rVB2	191274	365653	8.10%	0.540%
83	13.208	972	973	974	rVV	152977	131250	2.91%	0.194%
84	13.242	974	976	980	rVB4	202592	333551	7.39%	0.493%
85	13.528	999	1001	1003	rBV2	100585	173492	3.84%	0.256%
86	13.654	1010	1012	1014	rVB	175720	190443	4.22%	0.281%
87	13.757	1019	1021	1023	rBV2	130424	231592	5.13%	0.342%
88	13.814	1025	1026	1028	rVV2	150157	224432	4.97%	0.331%
89	13.859	1028	1030	1034	rVB	342832	421993	9.35%	0.623%
90	14.008	1040	1043	1045	rBV2	1313908	2199725	48.73%	3.248%
91	14.042	1045	1046	1048	rVV	898062	713789	15.81%	1.054%
92	14.122	1050	1053	1054	rBV2	133874	204127	4.52%	0.301%
93	14.397	1075	1077	1079	rBV	169826	208587	4.62%	0.308%
94	15.037	1130	1133	1137	rBV	826854	1656132	36.69%	2.446%
95	15.140	1140	1142	1144	rVB	145432	140316	3.11%	0.207%
96	15.334	1156	1159	1161	rVB	406454	606807	13.44%	0.896%
97	15.391	1161	1164	1167	rVV	721114	893626	19.80%	1.320%
98	15.448	1167	1169	1175	rVB2	626885	1105228	24.48%	1.632%
99	16.865	1290	1293	1296	rVB	307692	545844	12.09%	0.806%
100	17.288	1327	1330	1337	rVB	238317	546998	12.12%	0.808%

Sum of corrected areas: 67720418

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093025.D
Acq On : 17 Feb 2017 21:59
Operator : SJ/MA
Sample : I1884-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

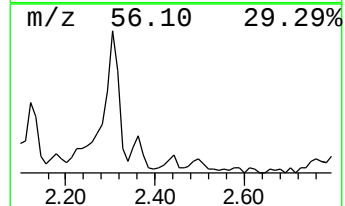
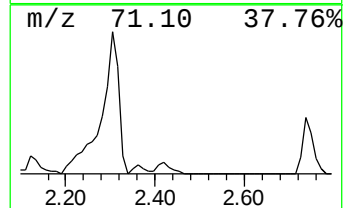
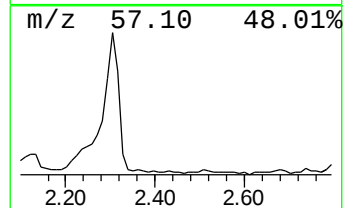
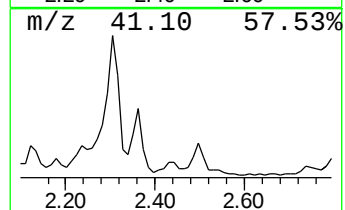
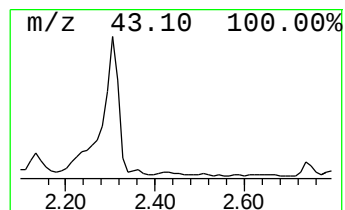
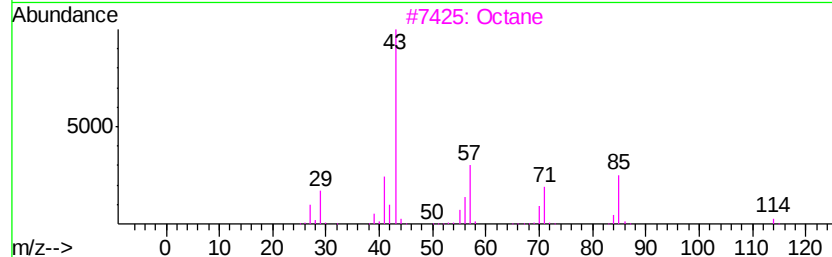
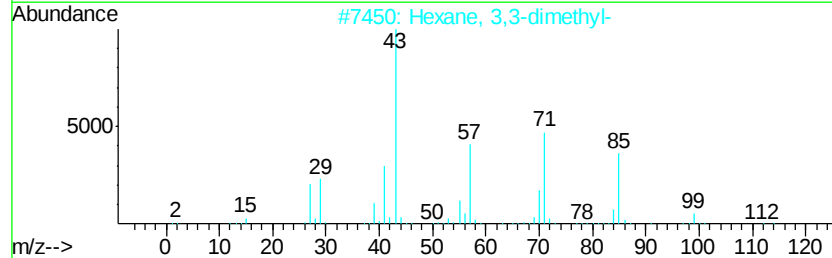
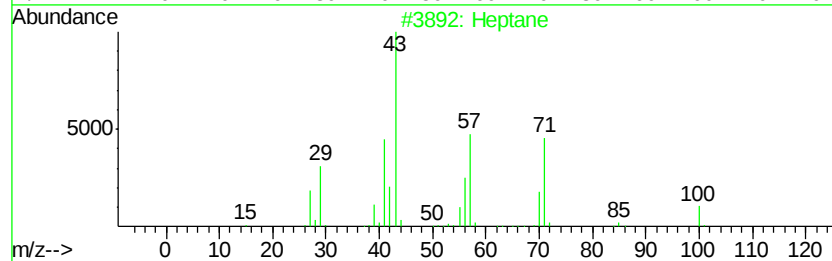
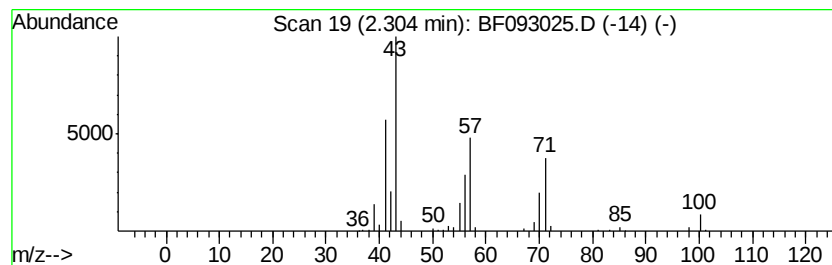
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Heptane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.30	7.04 ng	379020	1,4-Dichlorobenzene-d4	6.85

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane		100	C7H16	000142-82-5	91
2	Hexane, 3,3-dimethyl-		114	C8H18	000563-16-6	50
3	Octane		114	C8H18	000111-65-9	42
4	Hexane, 3-methyl-		100	C7H16	000589-34-4	40
5	Hexane, 2,3,4-trimethyl-		128	C9H20	000921-47-1	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093025.D
Acq On : 17 Feb 2017 21:59
Operator : SJ/MA
Sample : I1884-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

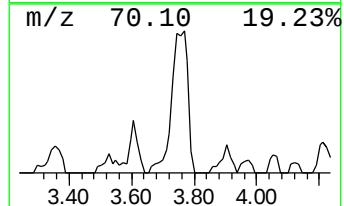
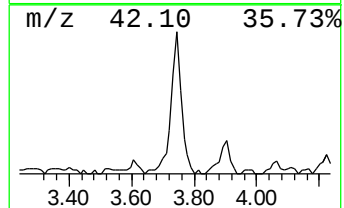
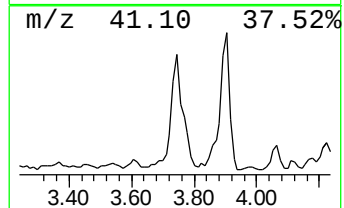
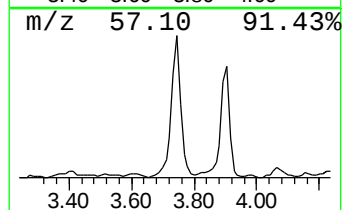
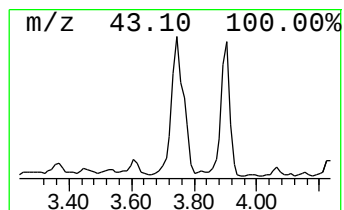
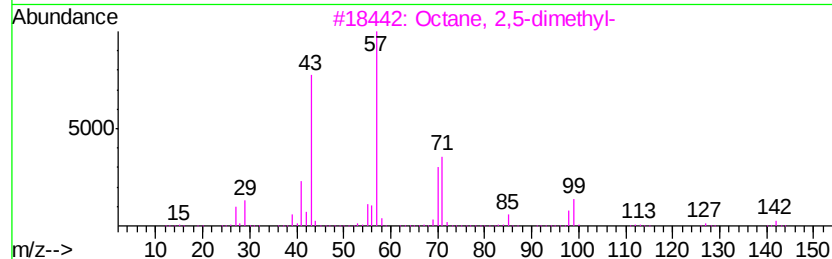
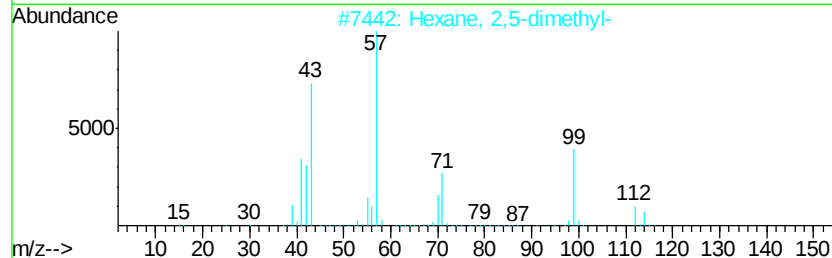
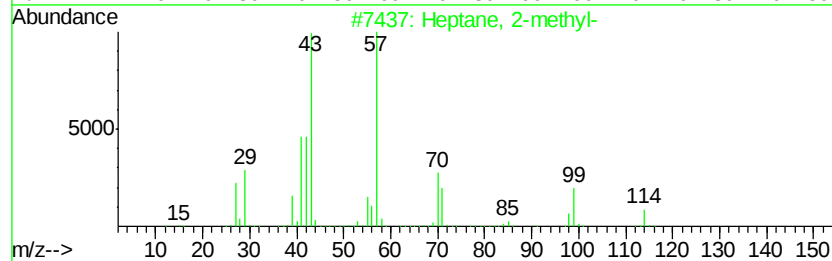
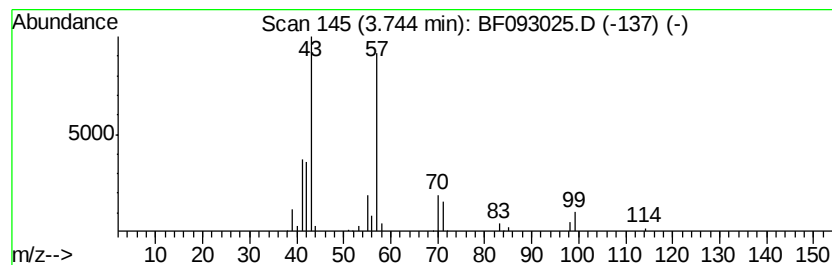
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Heptane, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	5.13 ng	275997	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 2-methyl-	114	C8H18	000592-27-8	72
2		Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	59
3		Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	53
4		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	47
5		Hexane, 3-ethyl-	114	C8H18	000619-99-8	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093025.D
Acq On : 17 Feb 2017 21:59
Operator : SJ/MA
Sample : I1884-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

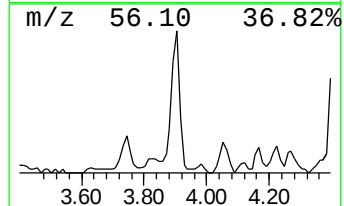
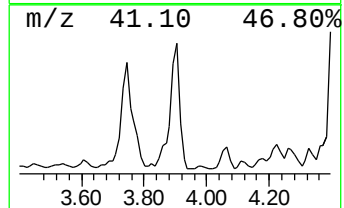
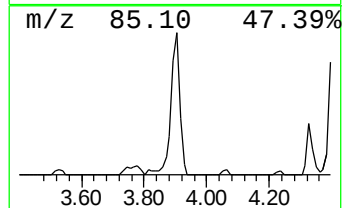
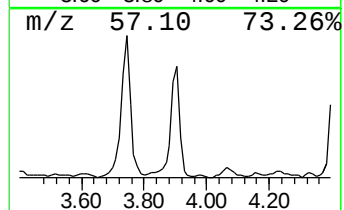
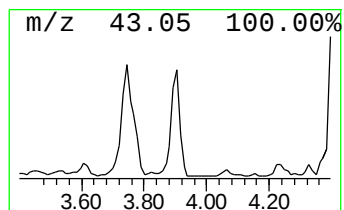
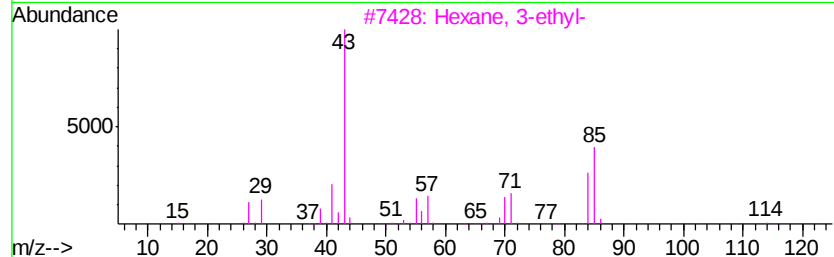
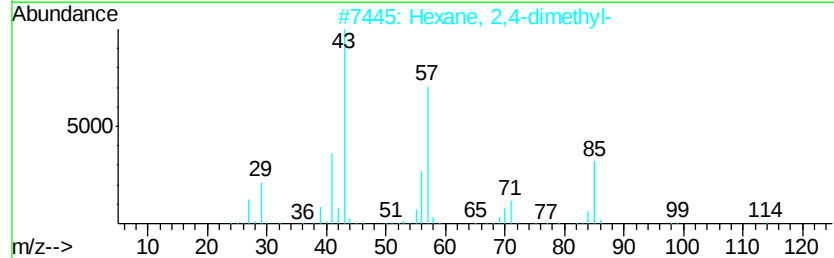
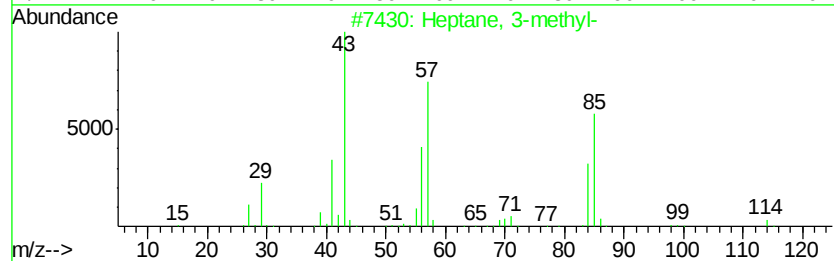
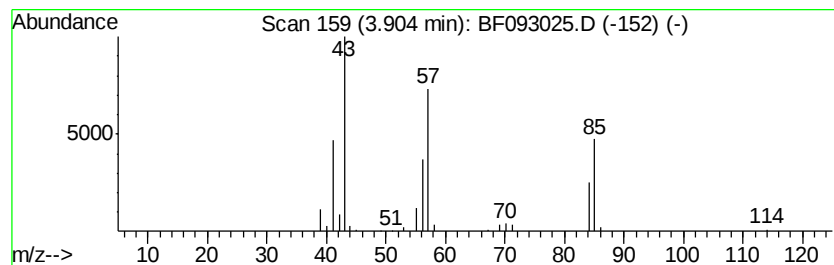
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Heptane, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.90	5.20 ng	280069	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2		Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	74
3		Hexane, 3-ethyl-	114	C8H18	000619-99-8	68
4		Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	59
5		Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093025.D
Acq On : 17 Feb 2017 21:59
Operator : SJ/MA
Sample : I1884-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

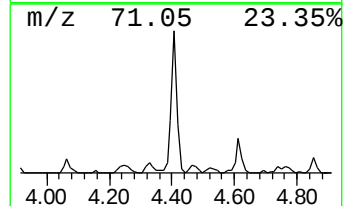
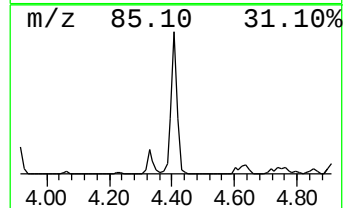
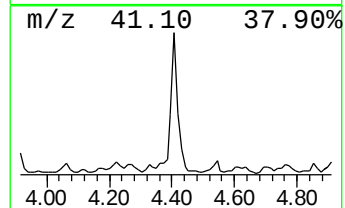
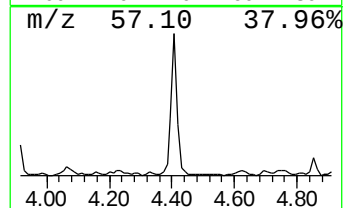
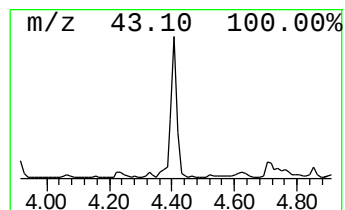
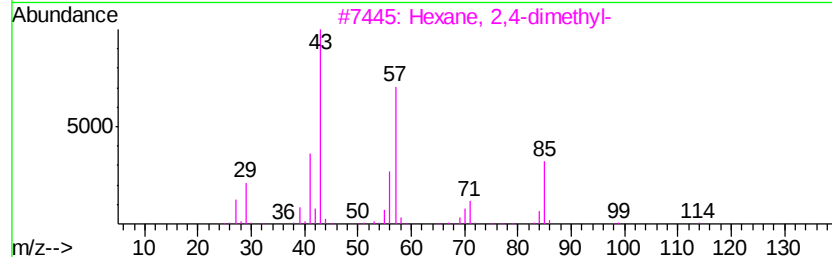
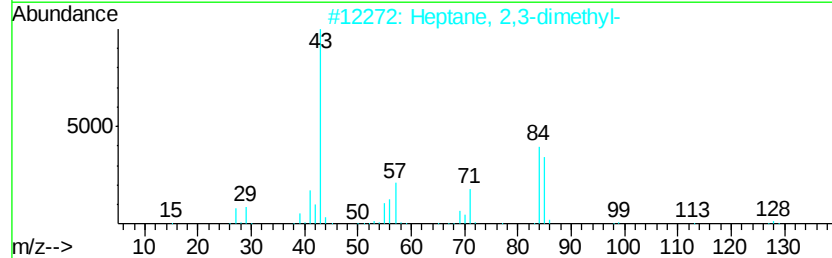
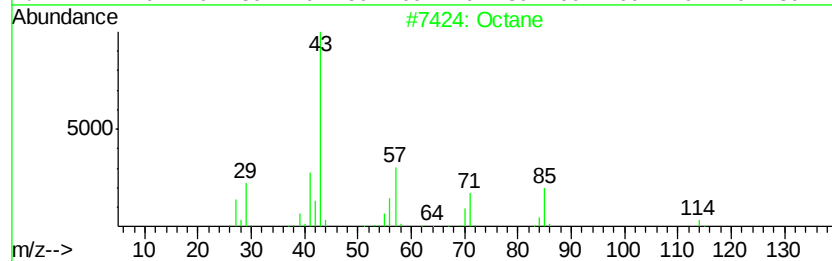
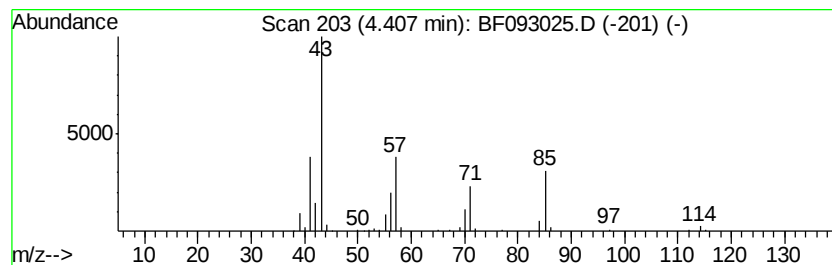
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.41	8.67 ng	466598	1,4-Dichlorobenzene-d4	6.85

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane		114	C8H18	000111-65-9	91
2	Heptane, 2,3-dimethyl-		128	C9H20	003074-71-3	78
3	Hexane, 2,4-dimethyl-		114	C8H18	000589-43-5	59
4	Heptane, 2,4-dimethyl-		128	C9H20	002213-23-2	56
5	Acetoacetic acid isoamyl ester		172	C9H16O3	002308-18-1	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093025.D
Acq On : 17 Feb 2017 21:59
Operator : SJ/MA
Sample : I1884-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

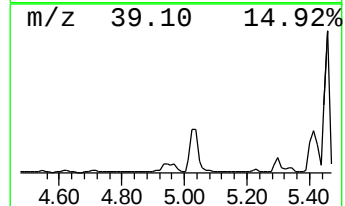
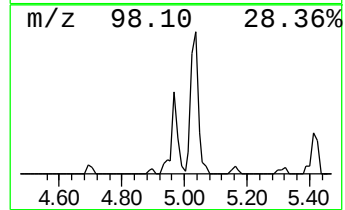
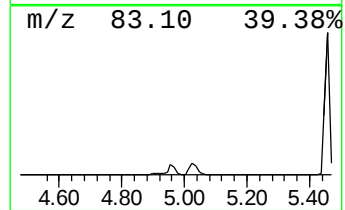
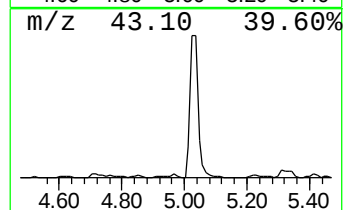
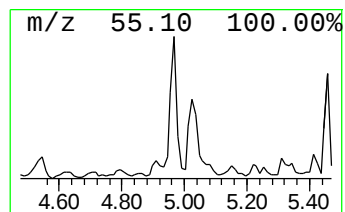
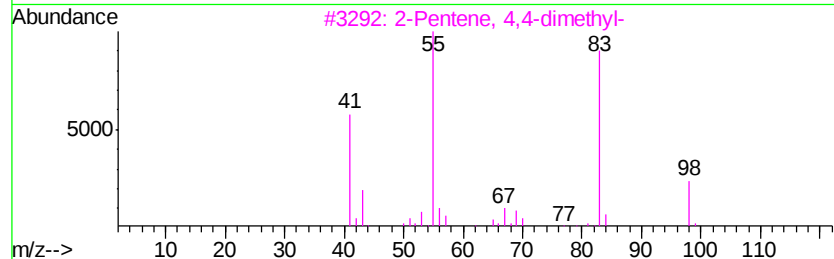
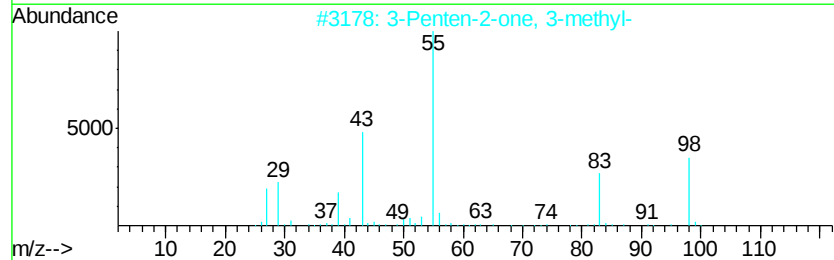
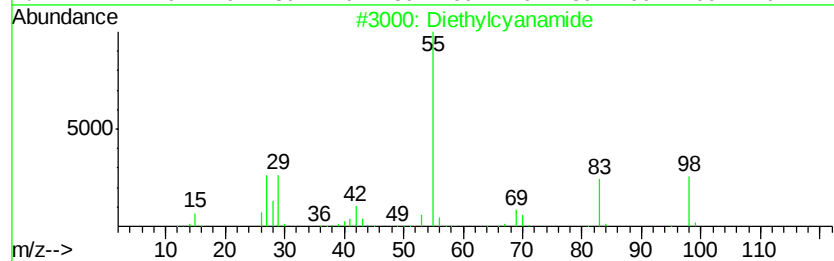
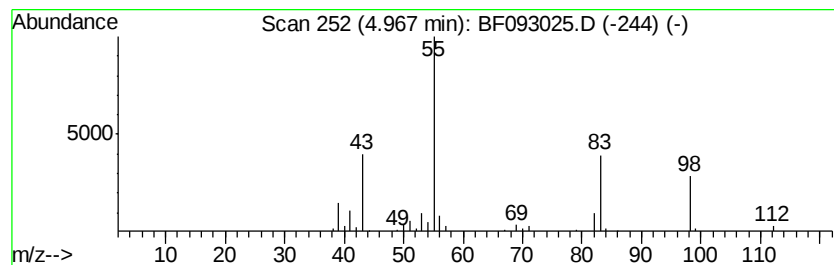
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Diethylcyanamide Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	4.81 ng	258791	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethylcyanamide	98	C5H10N2	000617-83-4	72
2	3-Penten-2-one, 3-methyl-	98	C6H10O	000565-62-8	59
3	2-Pentene, 4,4-dimethyl-	98	C7H14	026232-98-4	50
4	Cyclopropane, 1,1,2,3-tetramethyl-	98	C7H14	074752-93-5	50
5	1-Azabicyclo[3.1.0]hexane	83	C5H9N	000285-76-7	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093025.D
Acq On : 17 Feb 2017 21:59
Operator : SJ/MA
Sample : I1884-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

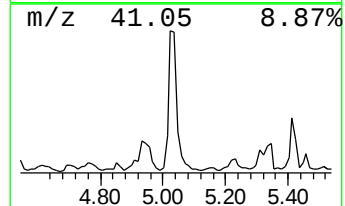
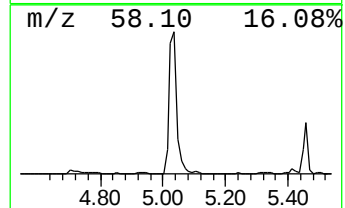
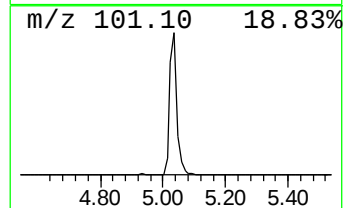
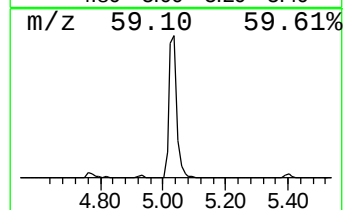
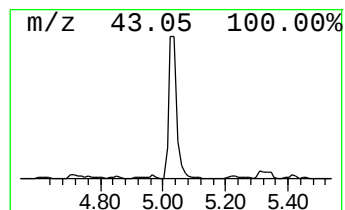
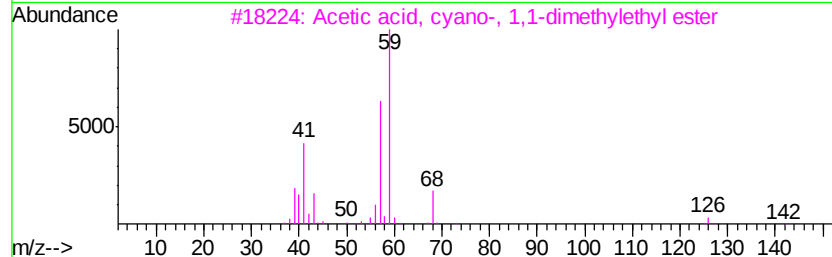
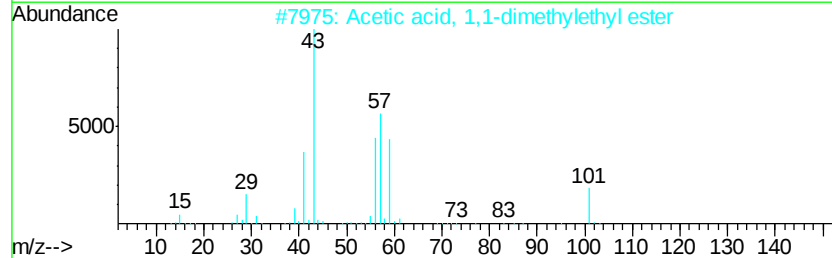
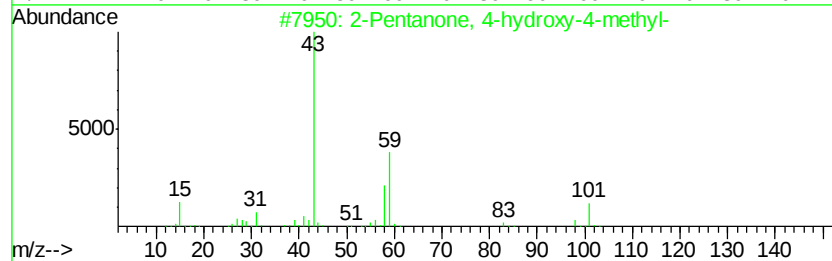
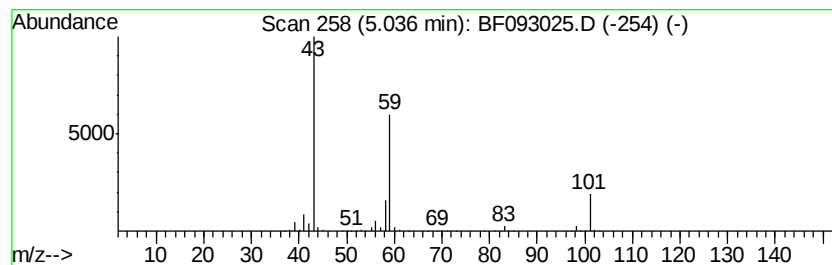
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	37.56 ng	2022190	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5		3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093025.D
Acq On : 17 Feb 2017 21:59
Operator : SJ/MA
Sample : I1884-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

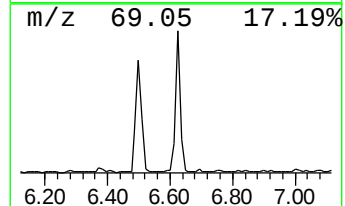
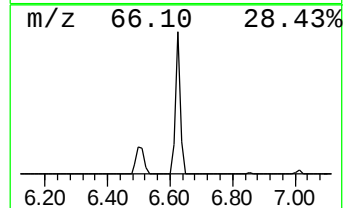
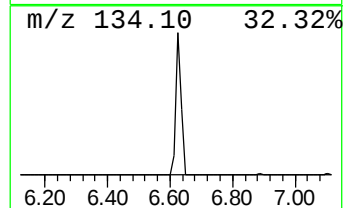
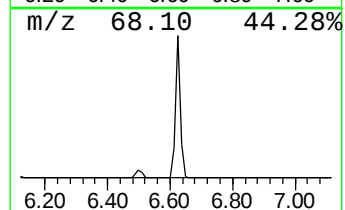
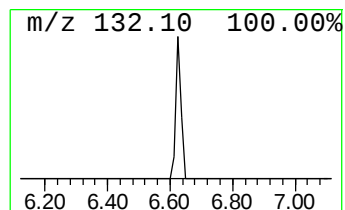
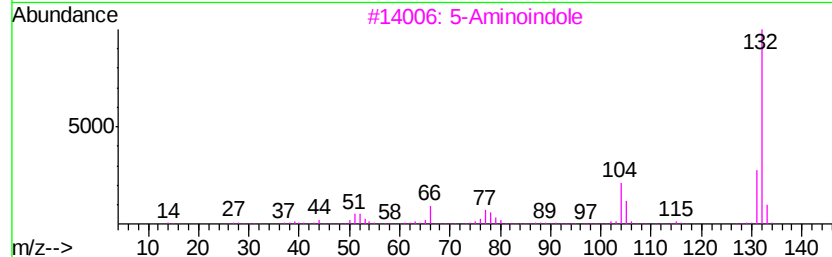
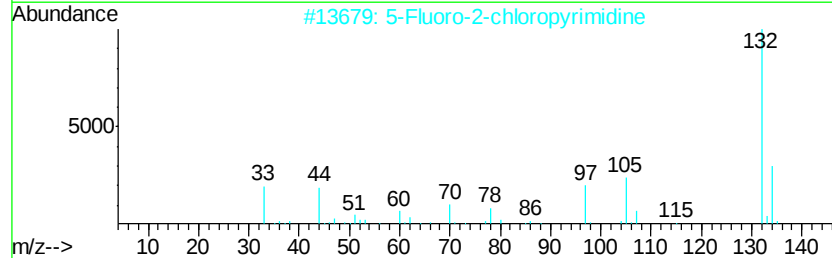
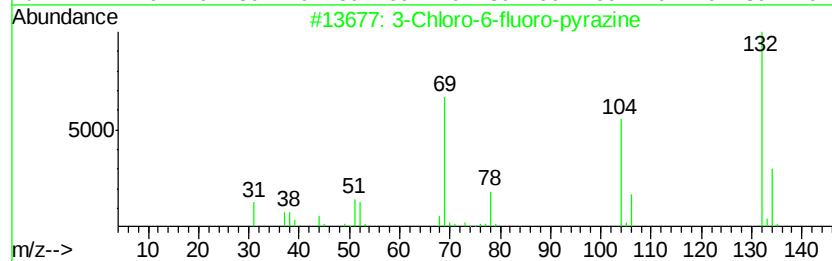
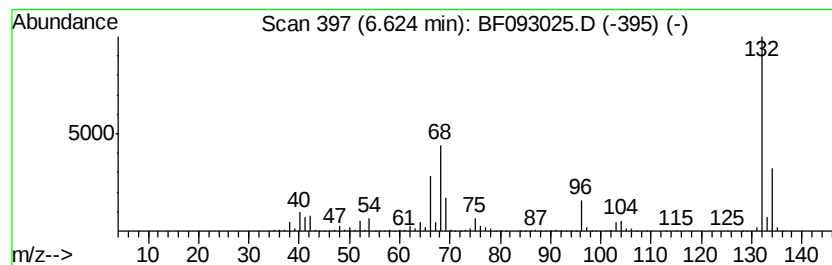
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	70.87 ng	3815990	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	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093025.D
Acq On : 17 Feb 2017 21:59
Operator : SJ/MA
Sample : I1884-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

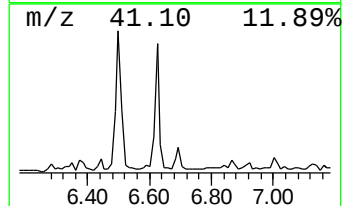
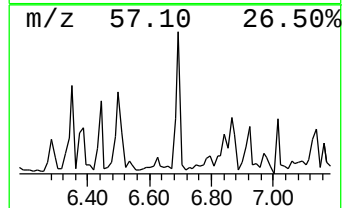
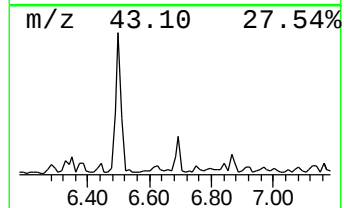
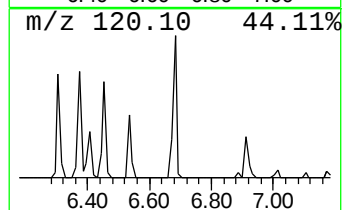
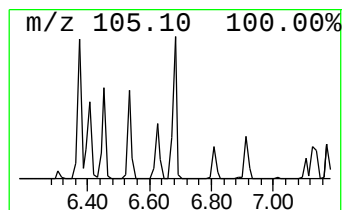
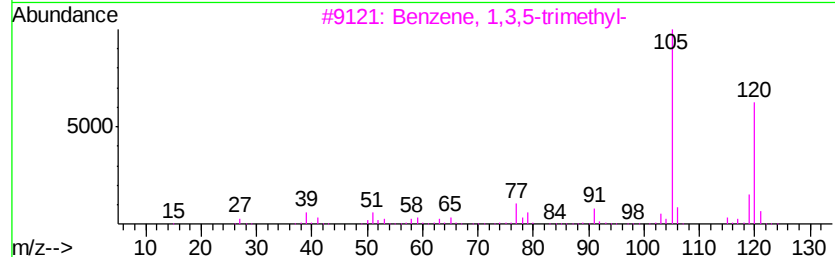
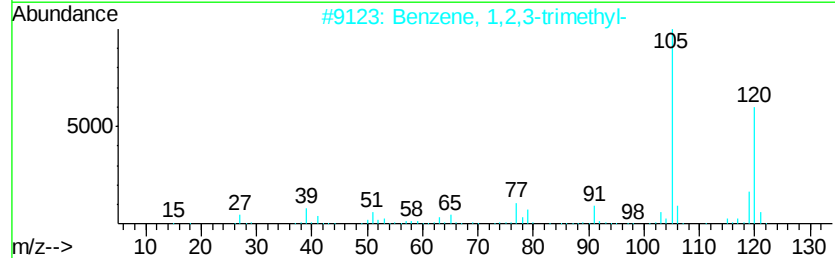
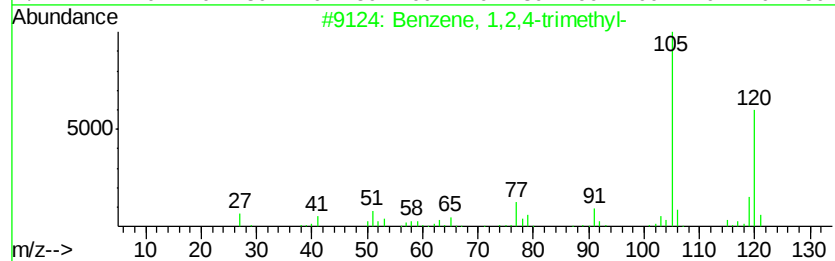
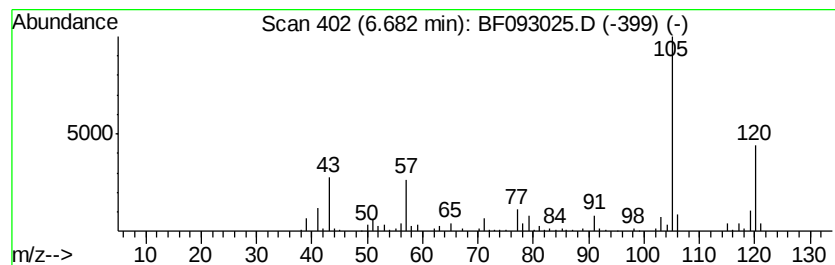
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benzene, 1,2,4-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	5.41 ng	291353	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3		Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	94
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093025.D
Acq On : 17 Feb 2017 21:59
Operator : SJ/MA
Sample : I1884-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

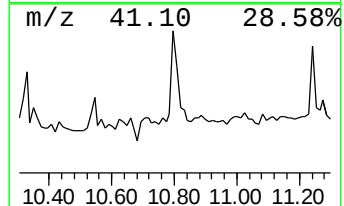
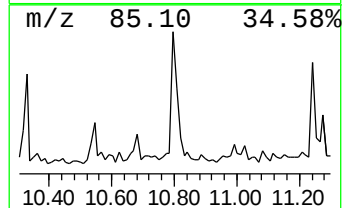
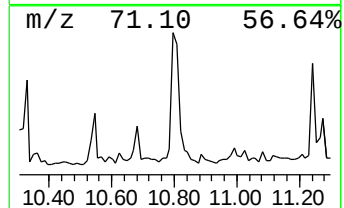
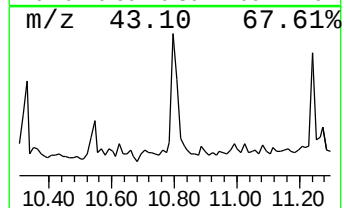
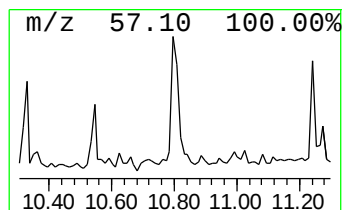
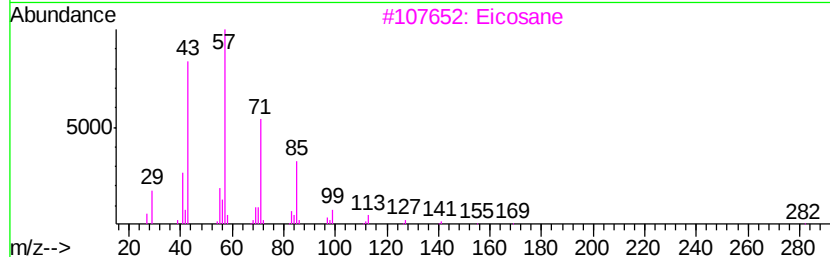
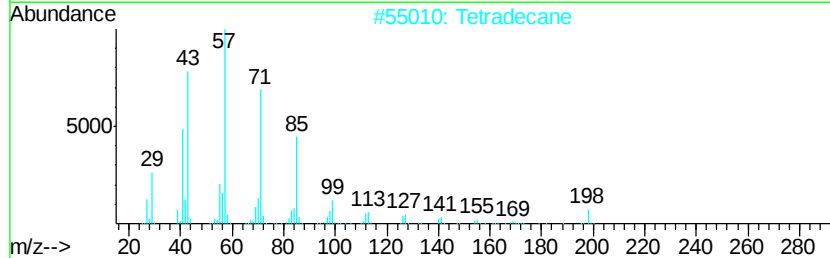
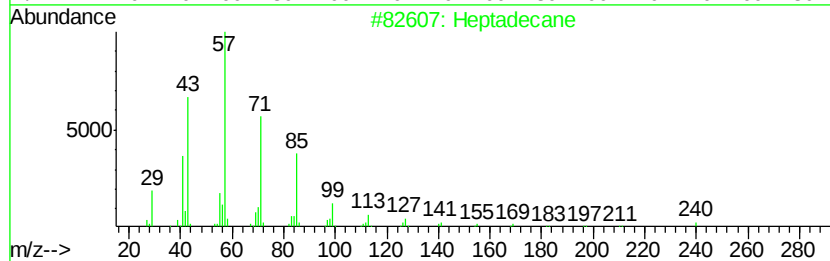
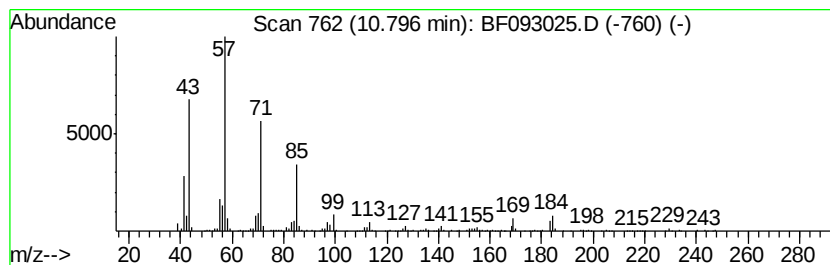
Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heptadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.80	8.51 ng	500830	Phenanthrene-d10		11.38
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Tetradecane	198	C14H30	000629-59-4	90
3	Eicosane	282	C20H42	000112-95-8	87
4	Heptacosane	380	C27H56	000593-49-7	83
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093025.D
Acq On : 17 Feb 2017 21:59
Operator : SJ/MA
Sample : I1884-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

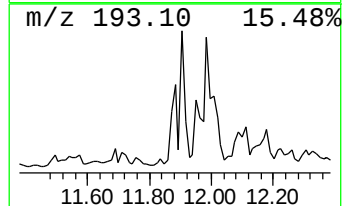
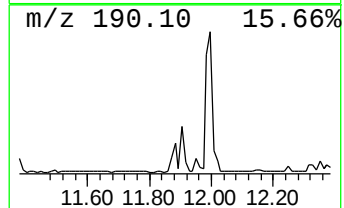
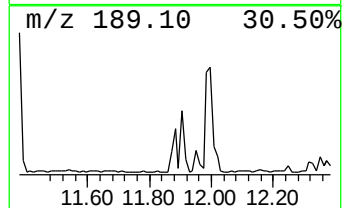
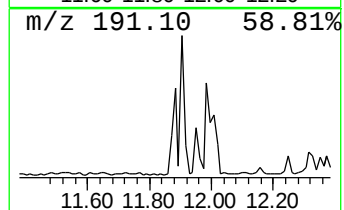
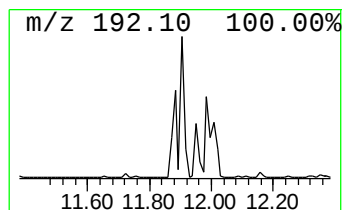
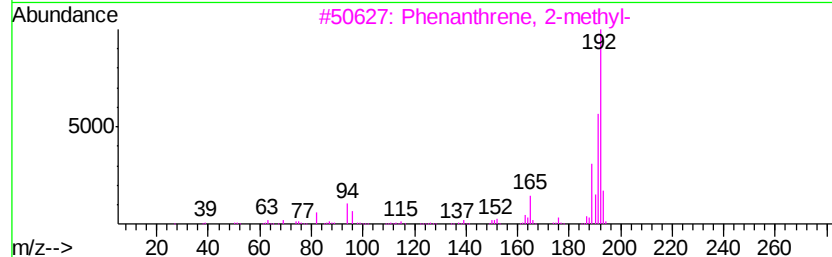
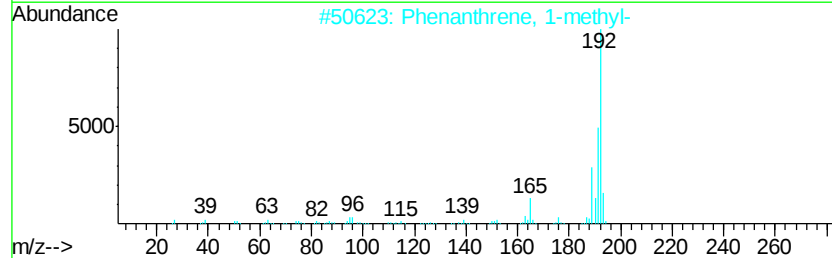
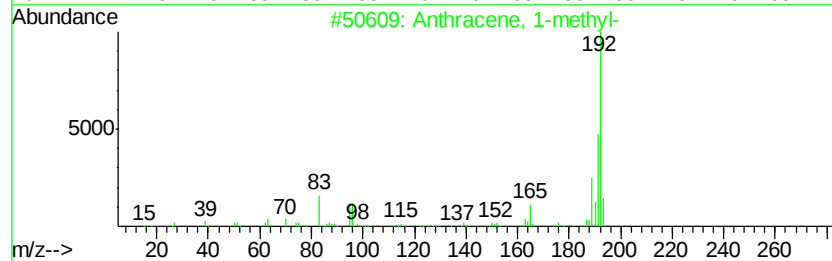
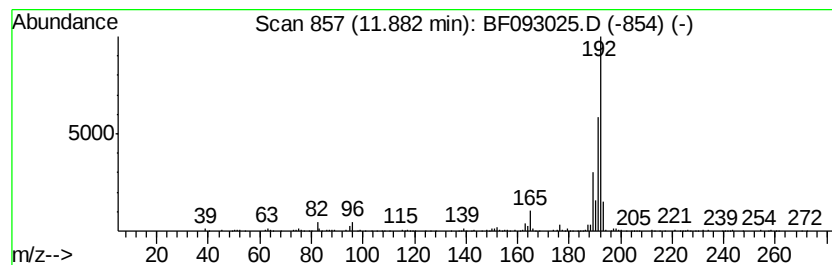
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.60 ng	270570	Phenanthrene-d10	11.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5			1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093025.D
Acq On : 17 Feb 2017 21:59
Operator : SJ/MA
Sample : I1884-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

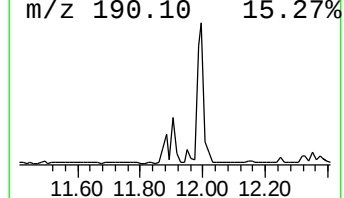
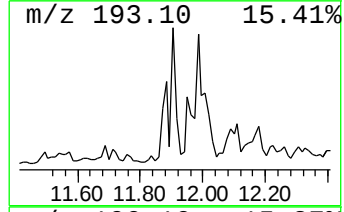
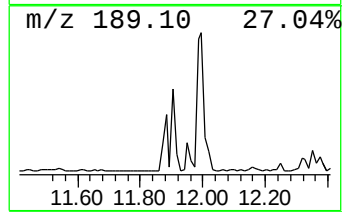
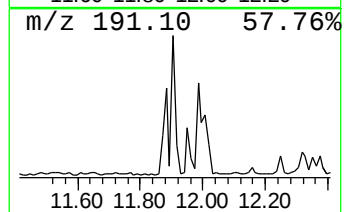
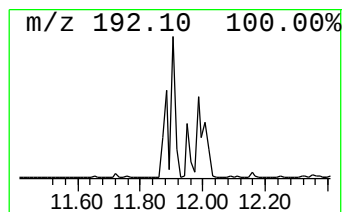
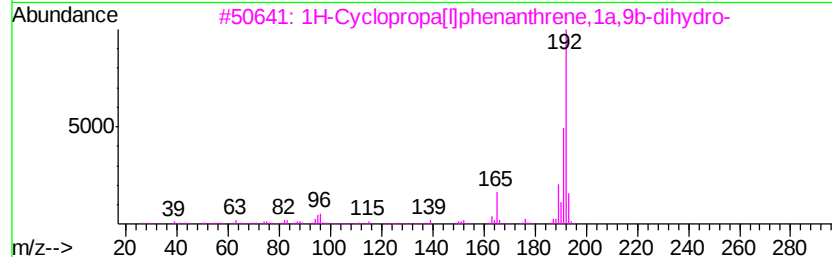
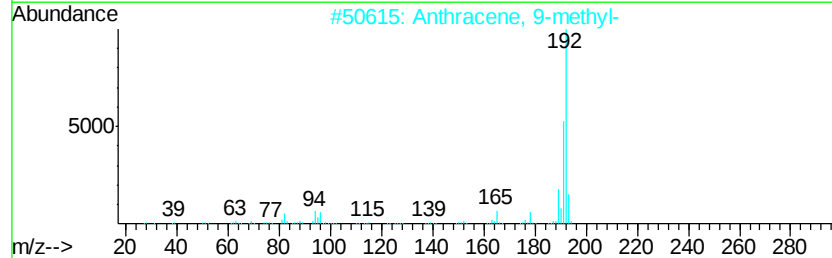
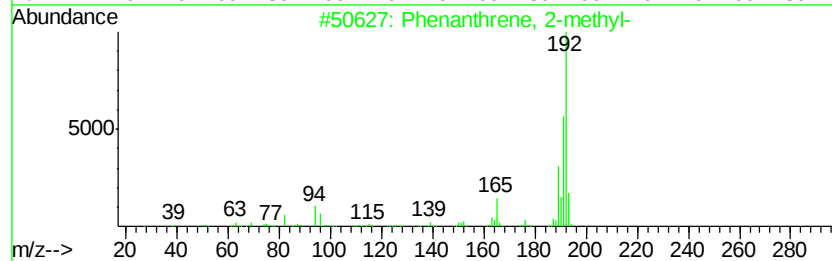
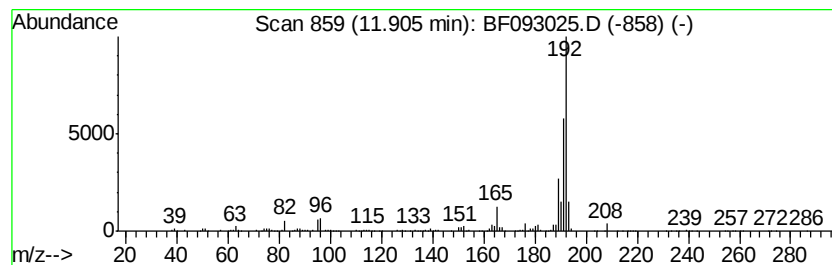
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	5.66 ng	332984	Phenanthrene-d10	11.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093025.D
Acq On : 17 Feb 2017 21:59
Operator : SJ/MA
Sample : I1884-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

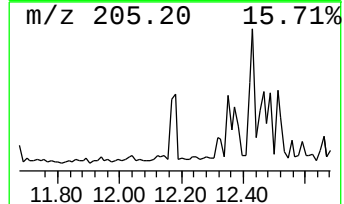
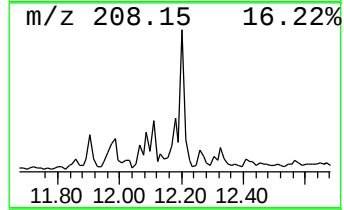
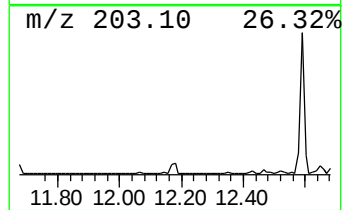
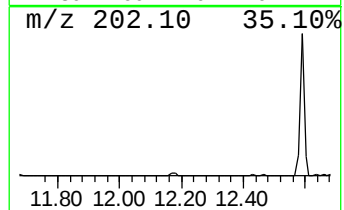
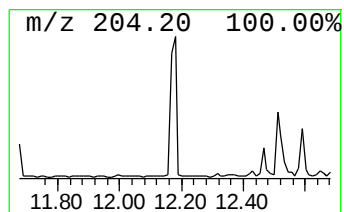
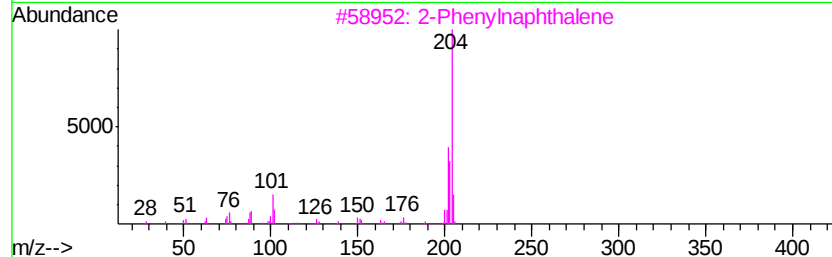
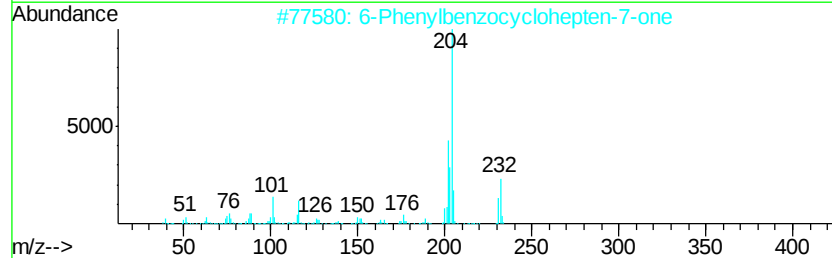
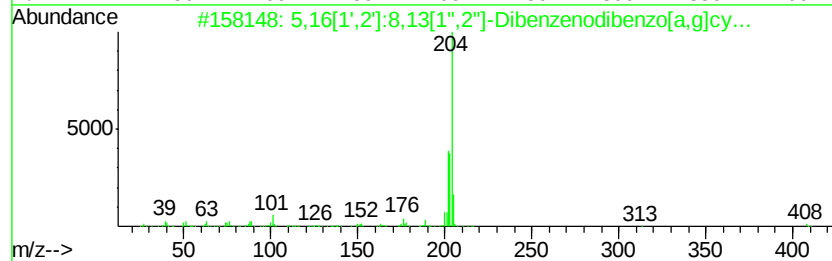
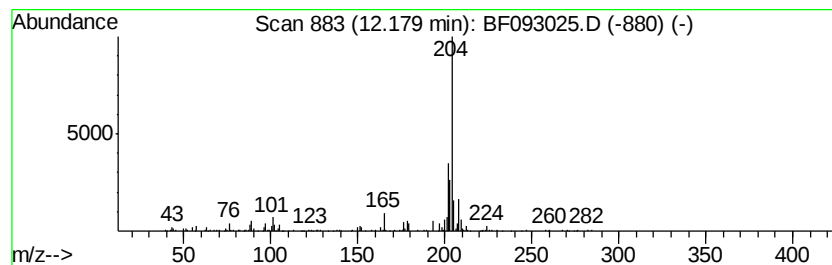
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	5.42 ng	319123	Phenanthrene-d10	11.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	74		
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64		
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	64		
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62		
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53		



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093025.D
Acq On : 17 Feb 2017 21:59
Operator : SJ/MA
Sample : I1884-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

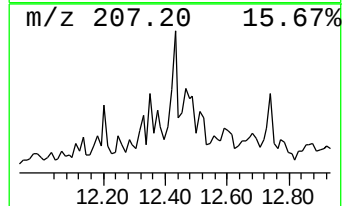
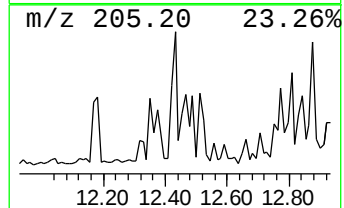
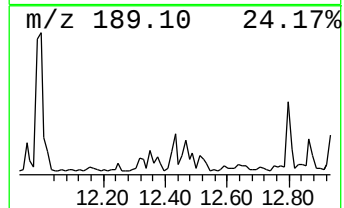
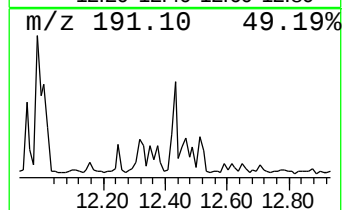
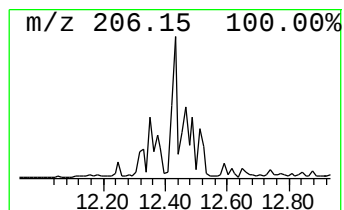
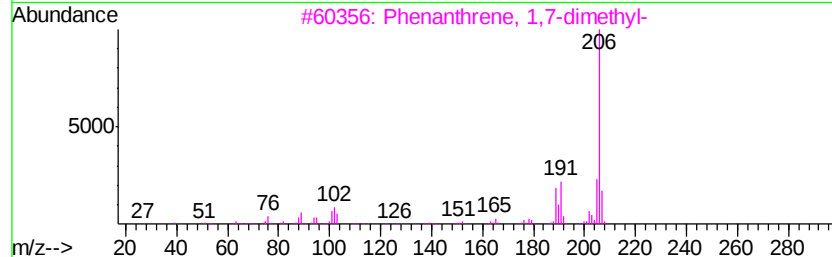
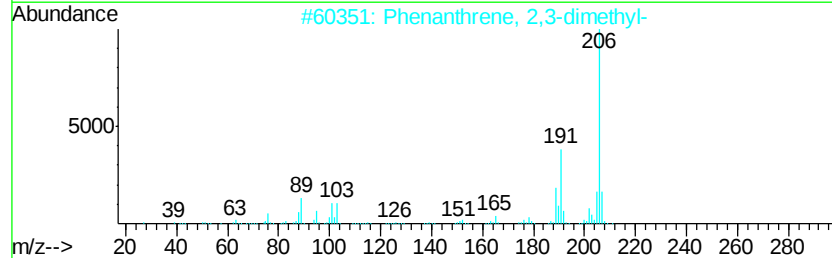
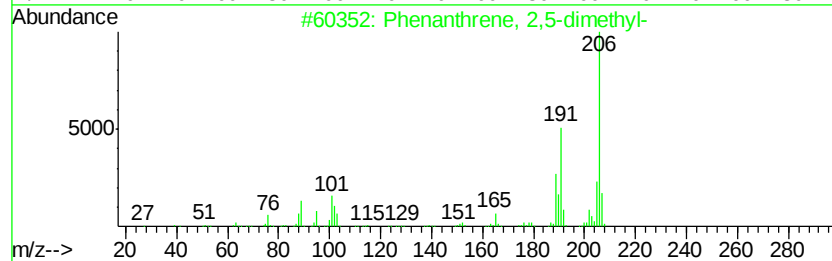
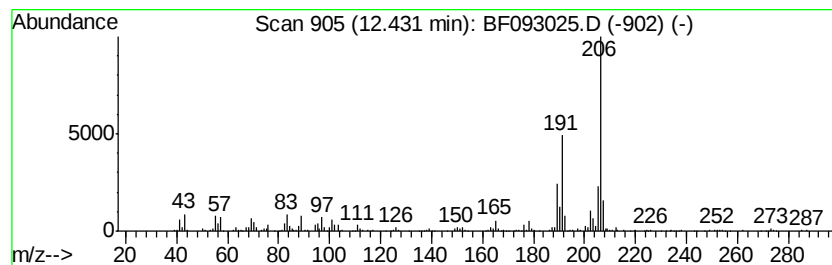
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	7.01 ng	412261	Phenanthrene-d10	11.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5			3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093025.D
Acq On : 17 Feb 2017 21:59
Operator : SJ/MA
Sample : I1884-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PIT-D-COMP

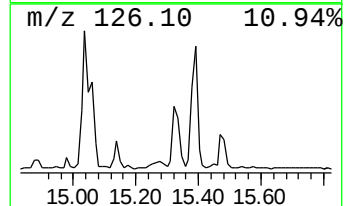
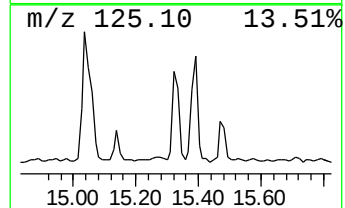
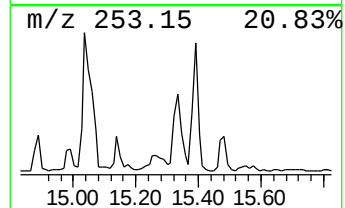
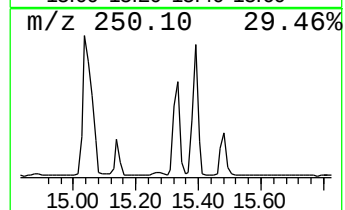
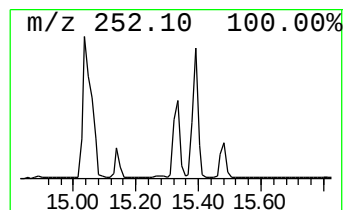
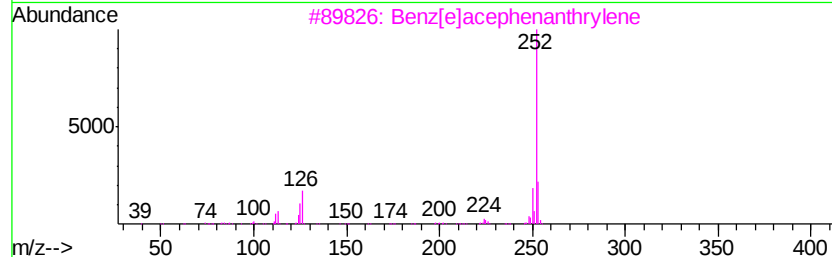
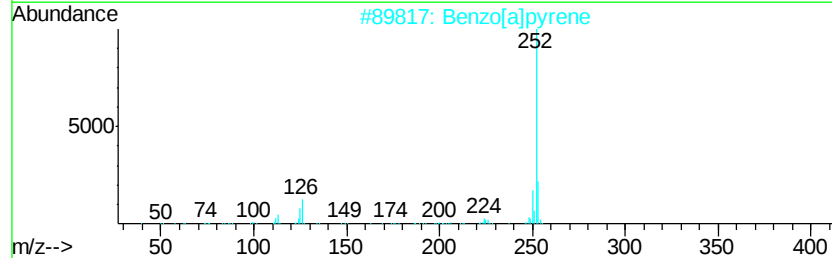
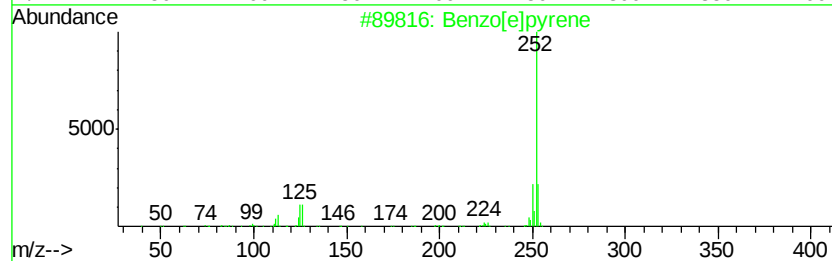
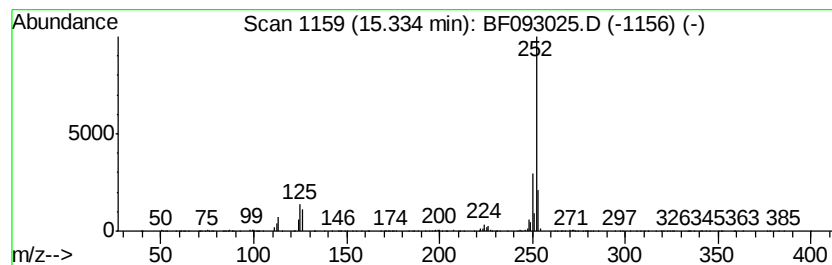
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	10.98 ng	606807	Perylene-d12	15.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2		Benzo[a]pyrene	252	C20H12	000050-32-8	94
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4		Perylene	252	C20H12	000198-55-0	90
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
 Data File : BF093025.D
 Acq On : 17 Feb 2017 21:59
 Operator : SJ/MA
 Sample : I1884-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT-D-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.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
Heptane	2.30	7.0	ng	379020	1	6.85	1076870	20.0
Heptane, 2-methyl-	3.74	5.1	ng	275997	1	6.85	1076870	20.0
Heptane, 3-methyl-	3.90	5.2	ng	280069	1	6.85	1076870	20.0
Octane	4.41	8.7	ng	466598	1	6.85	1076870	20.0
Diethylcyanamide	4.97	4.8	ng	258791	1	6.85	1076870	20.0
2-Pentanone, 4-hy...	5.04	37.6	ng	2022190	1	6.85	1076870	20.0
unknown6.62	6.62	70.9	ng	3815990	1	6.85	1076870	20.0
Benzene, 1,2,4-tr...	6.68	5.4	ng	291353	1	6.85	1076870	20.0
Heptadecane	10.80	8.5	ng	500830	4	11.38	1176980	20.0
Anthracene, 1-met...	11.88	4.6	ng	270570	4	11.38	1176980	20.0
Phenanthrene, 2-m...	11.91	5.7	ng	332984	4	11.38	1176980	20.0
5,16[1',2']:8,13[...	12.18	5.4	ng	319123	4	11.38	1176980	20.0
Phenanthrene, 2,5...	12.43	7.0	ng	412261	4	11.38	1176980	20.0
Benzo[e]pyrene	15.33	11.0	ng	606807	6	15.45	1105230	20.0