

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF084988.D
 Acq On : 10 Feb 2016 12:56
 Operator : SJ/IZ
 Sample : H1329-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(5-7)

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-BF020116.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	1.633	3	4	8	rBV	264473	368168	6.21%	0.545%
2	1.701	8	10	12	rVV	181226	213211	3.60%	0.315%
3	1.747	12	14	50	rVB	1906591	4167994	70.33%	6.164%
4	4.764	274	278	288	rVB	1289800	2151388	36.30%	3.182%
5	5.210	314	317	320	rBV	3994581	4798738	80.97%	7.097%
6	6.284	408	411	413	rBV	4513106	5440700	91.81%	8.047%
7	6.399	418	421	423	rVV	4376278	5734258	96.76%	8.481%
8	6.616	438	440	443	rBV	895638	1005236	16.96%	1.487%
9	6.776	451	454	457	rBV	3732966	3962796	66.87%	5.861%
10	7.199	487	491	493	rBV	3475079	3790766	63.97%	5.607%
11	7.667	528	532	535	rBV	52287	69934	1.18%	0.103%
12	7.862	544	549	551	rBV	41360	91053	1.54%	0.135%
13	7.907	551	553	555	rBV	1632454	1448320	24.44%	2.142%
14	8.719	621	624	628	rBV	73802	76498	1.29%	0.113%
15	8.993	645	648	650	rBV	5933790	5926219	100.00%	8.765%
16	9.039	650	652	654	rVV	362666	578326	9.76%	0.855%
17	9.108	654	658	660	rVV2	323004	556135	9.38%	0.823%
18	9.165	661	663	665	rVV	265336	220618	3.72%	0.326%
19	9.245	667	670	672	rBV	68461	94269	1.59%	0.139%
20	9.325	674	677	678	rBV	107897	138044	2.33%	0.204%
21	9.393	681	683	685	rVV	573083	608951	10.28%	0.901%
22	9.439	685	687	690	rVB	55228	91049	1.54%	0.135%
23	9.519	692	694	696	rBV	156211	130513	2.20%	0.193%
24	9.610	700	702	703	rBV	155113	142240	2.40%	0.210%
25	9.656	704	706	708	rBV	1584867	1402569	23.67%	2.074%
26	9.759	713	715	718	rBV2	38687	68871	1.16%	0.102%
27	9.862	721	724	726	rBV2	124506	142315	2.40%	0.210%
28	9.896	726	727	729	rVB	54549	68587	1.16%	0.101%
29	9.976	732	734	735	rBV2	91740	123116	2.08%	0.182%
30	10.079	738	743	744	rVV2	255344	505184	8.52%	0.747%
31	10.125	744	747	750	rVV4	306360	662149	11.17%	0.979%
32	10.193	750	753	757	rVB2	159641	297194	5.01%	0.440%
33	10.319	762	764	766	rVV2	81349	110716	1.87%	0.164%
34	10.365	766	768	770	rVB2	43794	74995	1.27%	0.111%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF084988.D
 Acq On : 10 Feb 2016 12:56
 Operator : SJ/IZ
 Sample : H1329-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(5-7)

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-BF020116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.445	773	775	777	rVB	2841430	2727115	46.02%	4.033%
36	10.571	785	786	790	rVB	192027	315655	5.33%	0.467%
37	10.639	790	792	795	rBV4	26267	62741	1.06%	0.093%
38	10.742	799	801	803	rBV	88355	163489	2.76%	0.242%
39	10.776	803	804	805	rVV	114677	83061	1.40%	0.123%
40	10.833	807	809	810	rVB	60445	67750	1.14%	0.100%
41	10.902	810	815	817	rBV4	49908	108331	1.83%	0.160%
42	10.948	817	819	821	rVB	55246	59625	1.01%	0.088%
43	10.993	821	823	824	rBV	51366	72234	1.22%	0.107%
44	11.028	824	826	827	rBV	188972	191417	3.23%	0.283%
45	11.051	827	828	833	rVB	97424	135134	2.28%	0.200%
46	11.131	833	835	839	rBV2	1114244	1967023	33.19%	2.909%
47	11.211	839	842	844	rBV	188059	192634	3.25%	0.285%
48	11.245	844	845	847	rBV	70746	100511	1.70%	0.149%
49	11.291	847	849	852	rVB2	40365	73521	1.24%	0.109%
50	11.371	854	856	857	rBV	57110	62034	1.05%	0.092%
51	11.451	861	863	866	rVB2	127425	202345	3.41%	0.299%
52	11.542	869	871	874	rVB	75945	108257	1.83%	0.160%
53	11.634	877	879	880	rBV	359395	329551	5.56%	0.487%
54	11.668	880	882	883	rVB	310870	339873	5.74%	0.503%
55	11.691	883	884	887	rBV2	105880	182825	3.09%	0.270%
56	11.748	887	889	893	rVB2	354496	647090	10.92%	0.957%
57	11.851	897	898	901	rVB3	87149	145347	2.45%	0.215%
58	11.931	903	905	906	rBV	136098	128660	2.17%	0.190%
59	12.079	917	918	920	rBV	75728	68068	1.15%	0.101%
60	12.114	920	921	925	rVB	179078	246097	4.15%	0.364%
61	12.182	925	927	929	rBV	269650	399317	6.74%	0.591%
62	12.274	933	935	939	rVB3	133587	222417	3.75%	0.329%
63	12.342	939	941	943	rBV	729497	630666	10.64%	0.933%
64	12.388	943	945	948	rBV3	61029	124485	2.10%	0.184%
65	12.479	951	953	956	rBV4	52681	121137	2.04%	0.179%
66	12.571	958	961	962	rBV	621599	794732	13.41%	1.175%
67	12.731	972	975	977	rBV	3817306	4744265	80.06%	7.017%
68	12.788	978	980	984	rBV3	105133	197083	3.33%	0.291%
69	12.902	986	990	991	rVB	134836	246955	4.17%	0.365%
70	12.971	993	996	997	rVB3	127024	185902	3.14%	0.275%
71	13.005	997	999	1004	rBV	146237	239551	4.04%	0.354%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.097	1004	1007	1008	rBV	116455	164319	2.77%	0.243%
73	13.119	1008	1009	1011	rVV	158966	145767	2.46%	0.216%
74	13.199	1014	1016	1019	rVV2	94397	141497	2.39%	0.209%
75	13.314	1024	1026	1030	rVB3	94316	164848	2.78%	0.244%
76	13.508	1041	1043	1047	rBV4	95208	264341	4.46%	0.391%
77	13.634	1051	1054	1057	rVV2	347524	558919	9.43%	0.827%
78	13.759	1062	1065	1071	rBV2	1015083	1602711	27.04%	2.370%
79	14.148	1097	1099	1101	rVB	91560	114480	1.93%	0.169%
80	14.754	1150	1152	1156	rBV	176677	372108	6.28%	0.550%
81	14.845	1158	1160	1162	rVB2	111554	106179	1.79%	0.157%
82	15.017	1173	1175	1178	rVB	137342	170427	2.88%	0.252%
83	15.074	1178	1180	1182	rBV	210883	249608	4.21%	0.369%
84	15.131	1182	1185	1187	rBV	539320	732801	12.37%	1.084%
85	15.543	1219	1221	1223	rBV	110093	182787	3.08%	0.270%
86	15.714	1234	1236	1245	rVB	177714	390230	6.58%	0.577%
87	16.080	1266	1268	1276	rVB2	161143	304319	5.14%	0.450%

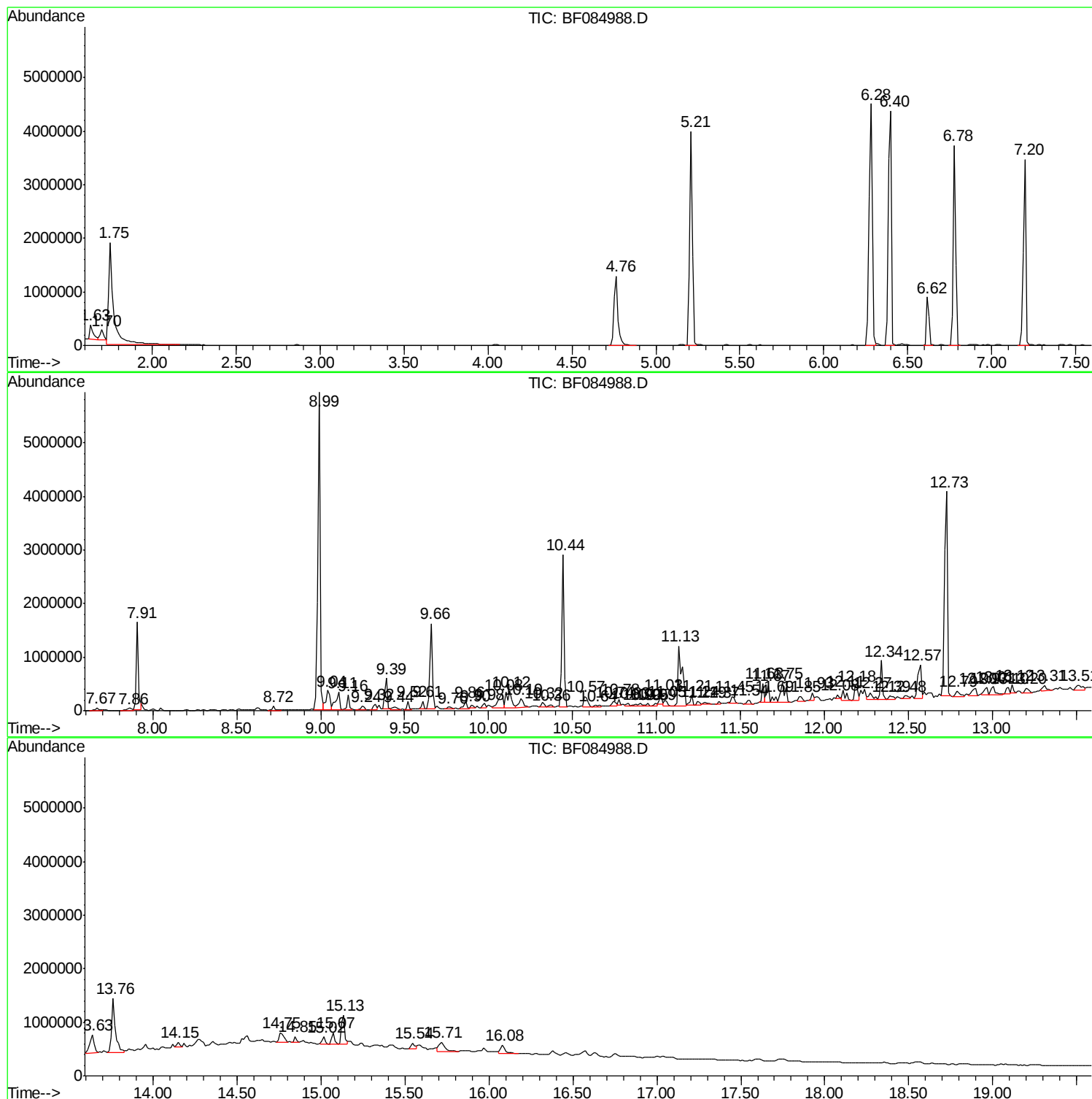
Sum of corrected areas: 67613359

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

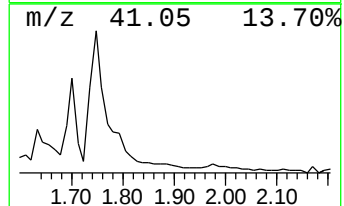
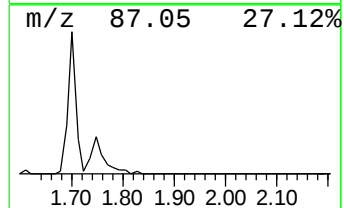
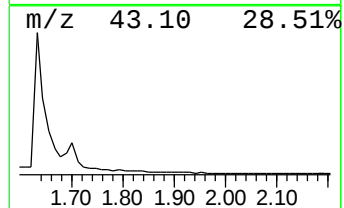
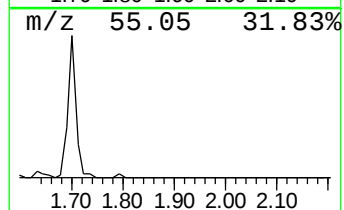
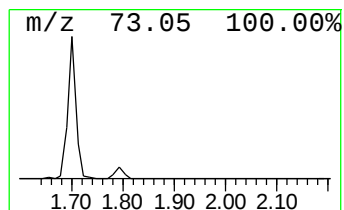
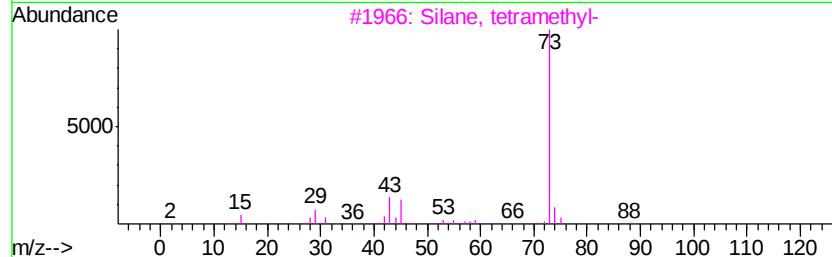
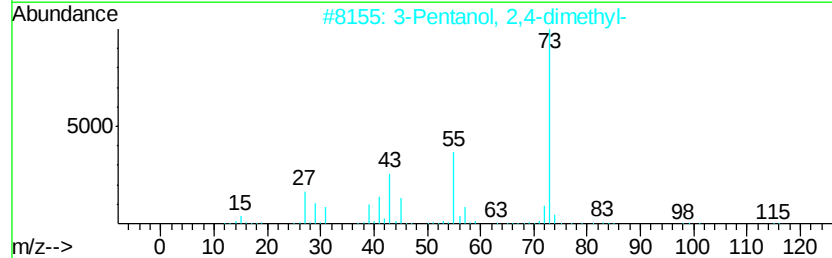
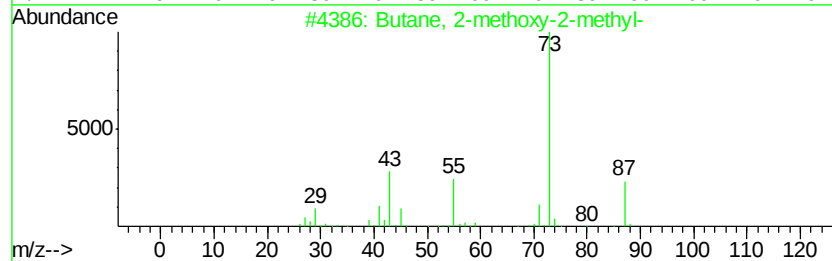
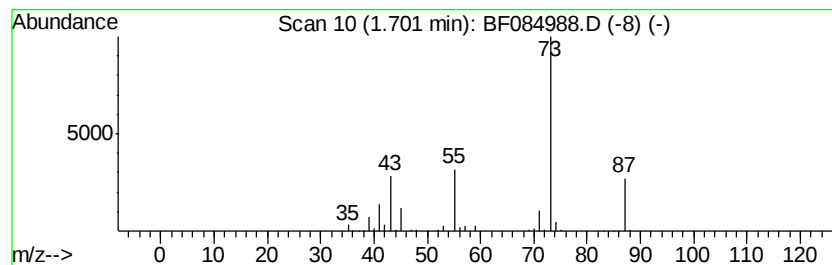
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.70	4.24 ng	213211	1,4-Dichlorobenzene-d4	6.62

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2		3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	25
3		Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
4		N-Ethylformamide	73	C3H7NO	000627-45-2	9
5		Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

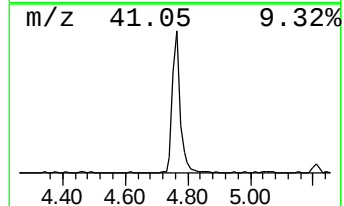
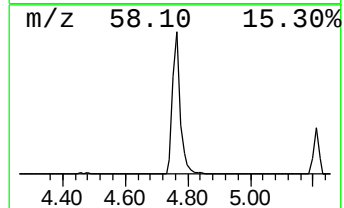
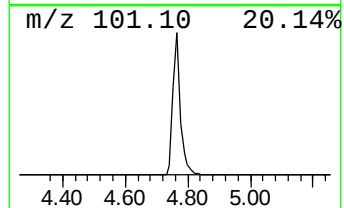
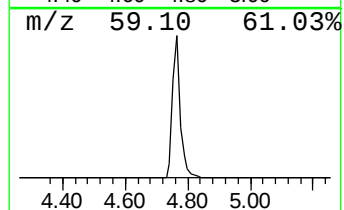
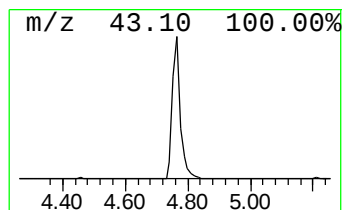
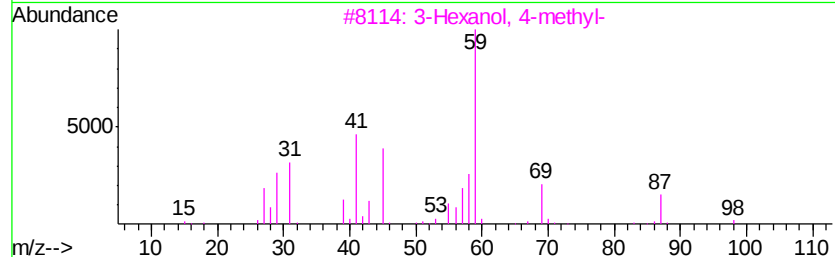
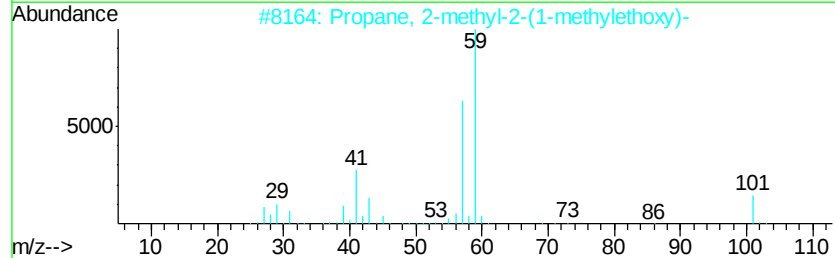
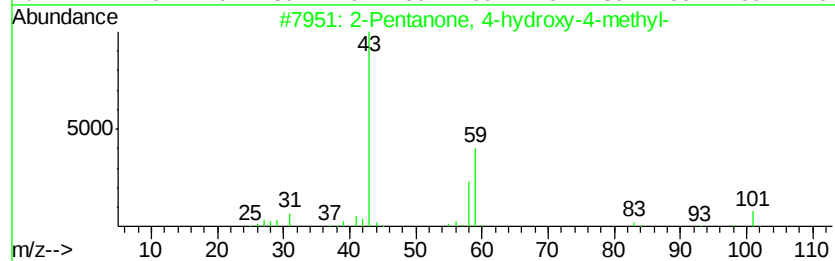
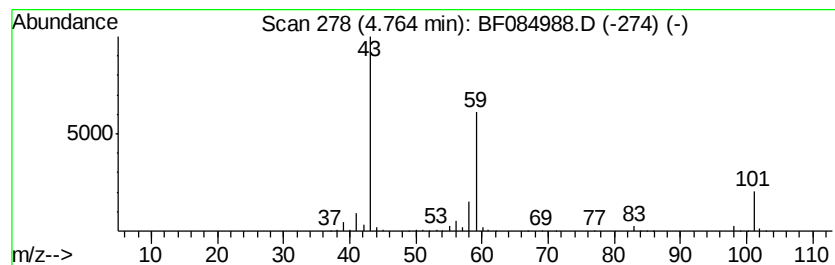
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	42.80 ng	2151390	1,4-Dichlorobenzene-d4	6.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

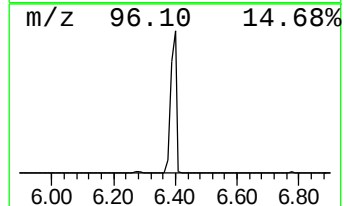
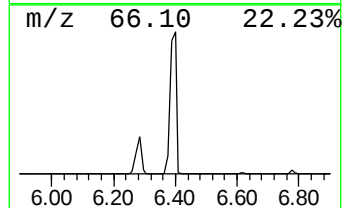
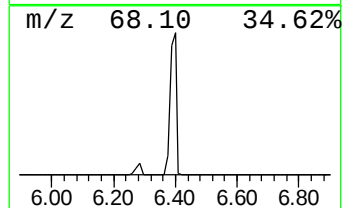
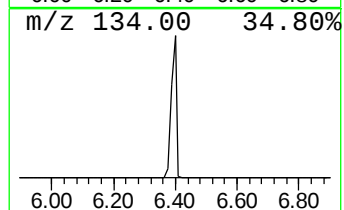
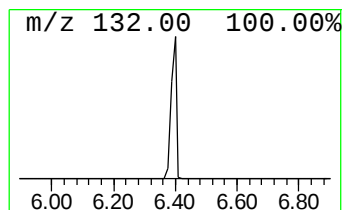
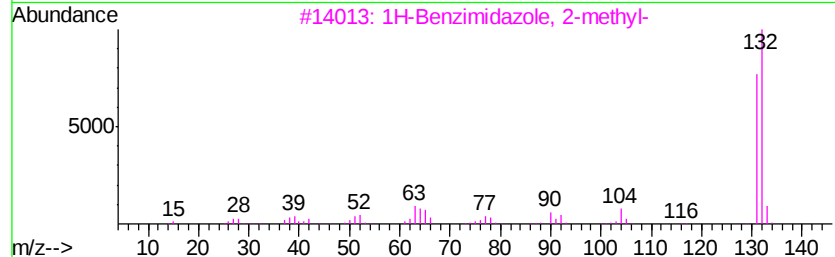
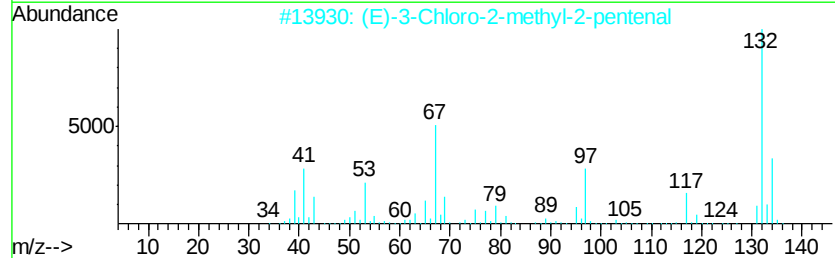
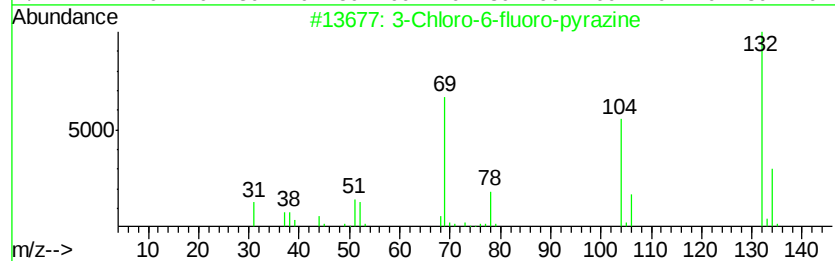
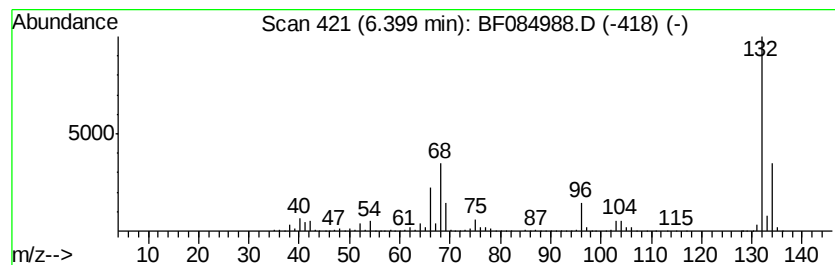
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown6.40 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	114.09 ng	5734260	1,4-Dichlorobenzene-d4	6.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	12
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

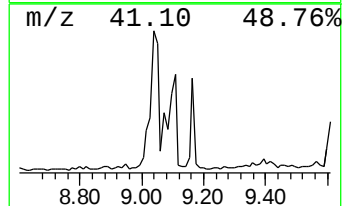
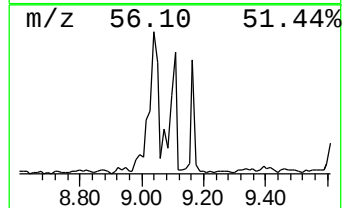
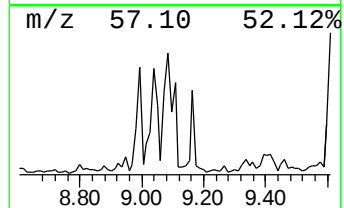
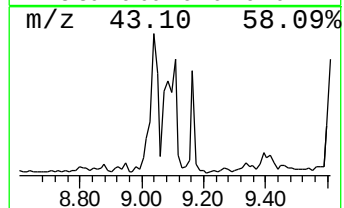
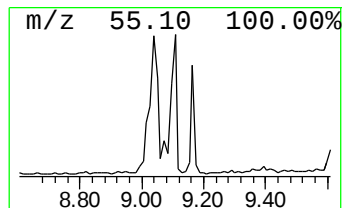
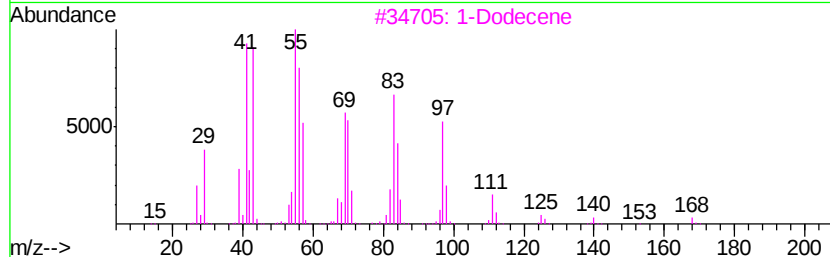
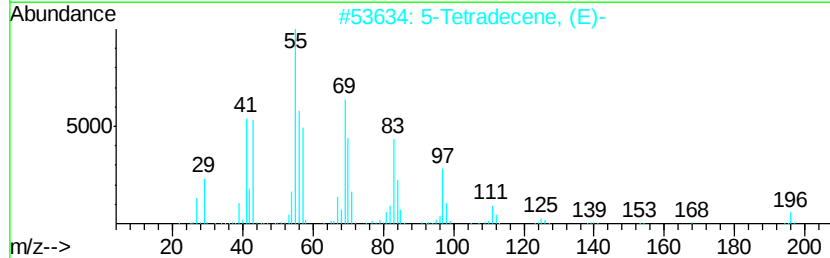
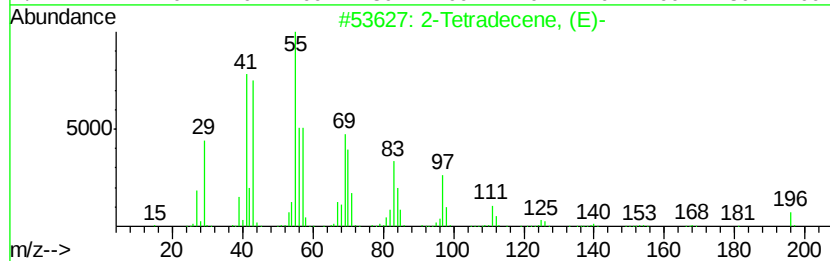
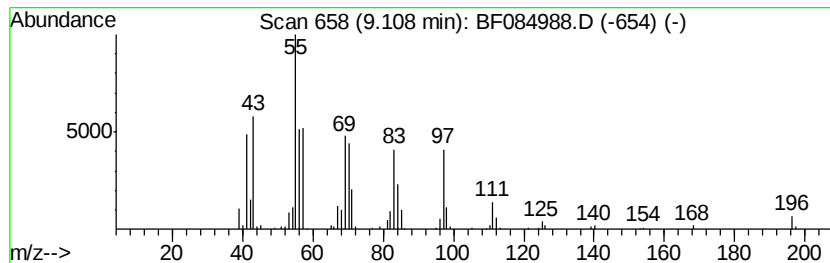
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 2-Tetradecene, (E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	7.93 ng	556135	Acenaphthene-d10	9.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Tetradecene, (E)-	196	C14H28	035953-53-8	98
2			5-Tetradecene, (E)-	196	C14H28	041446-66-6	97
3			1-Dodecene	168	C12H24	000112-41-4	95
4			4-Tetradecene, (Z)-	196	C14H28	041446-65-5	93
5			4-Tetradecene, (E)-	196	C14H28	041446-78-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

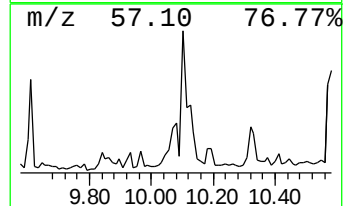
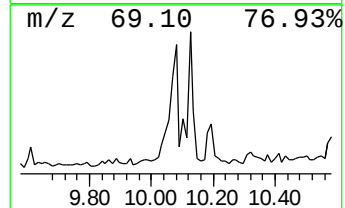
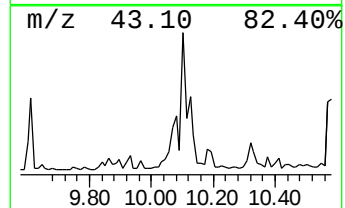
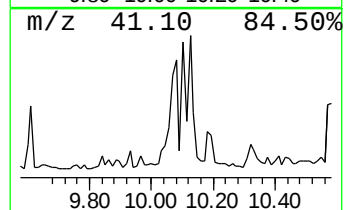
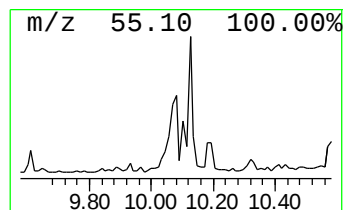
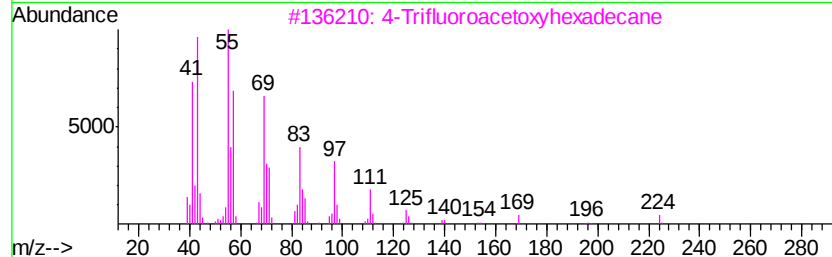
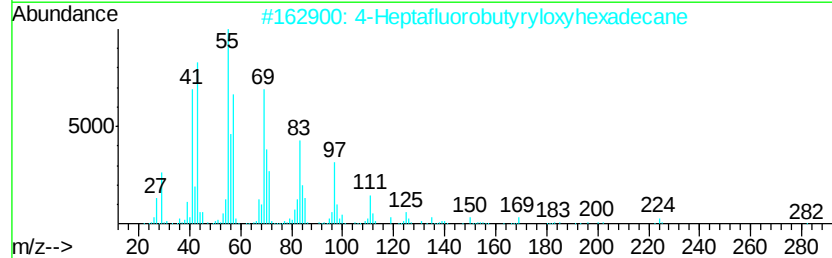
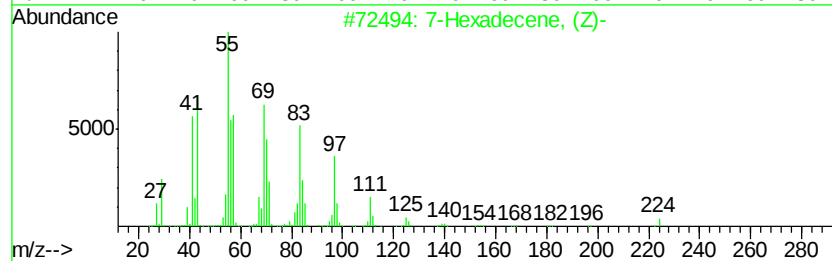
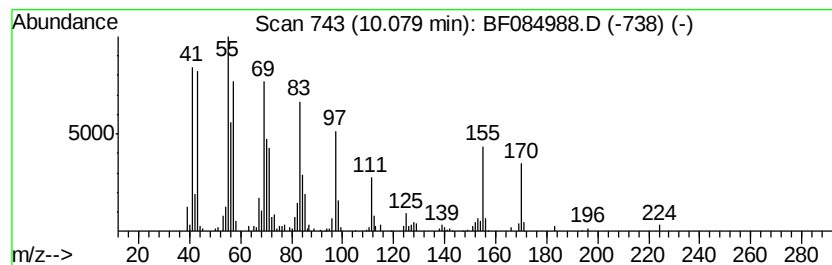
Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 7-Hexadecene, (Z)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.08	7.20 ng	505184	Acenaphthene-d10	9.66
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		7-Hexadecene, (Z)-	224 C16H32	035507-09-6 96
2		4-Heptafluorobutyryloxyhexadecane	438 C20H33F7O2	1000282-97-2 87
3		4-Trifluoroacetoxyhexadecane	338 C18H33F3O2	1000215-97-5 83
4		9-Octadecene, (E)-	252 C18H36	007206-25-9 83
5		Acetic acid, chloro-, hexadecyl ...	318 C18H35ClO2	052132-58-8 83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

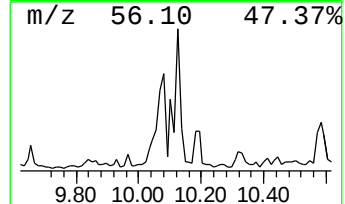
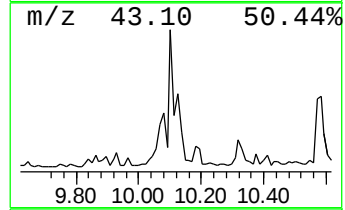
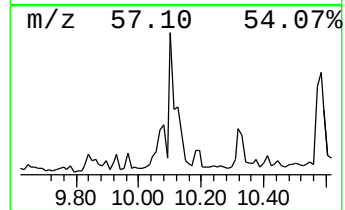
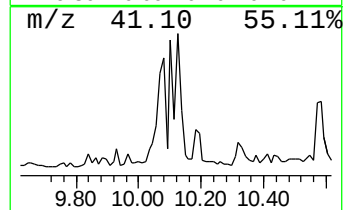
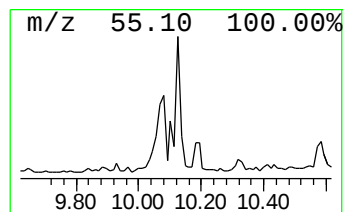
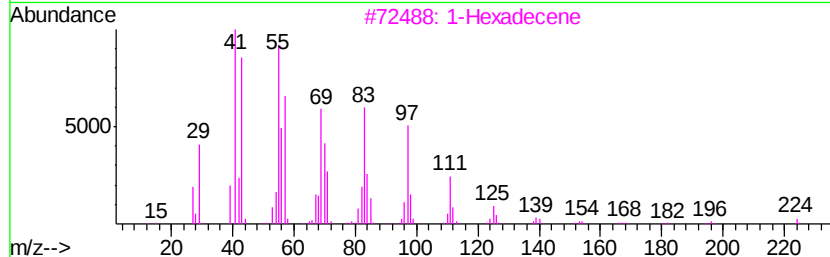
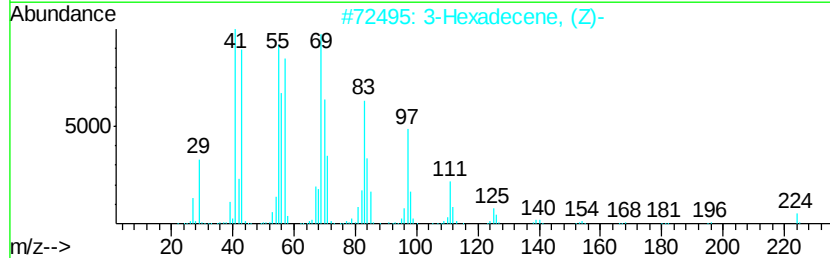
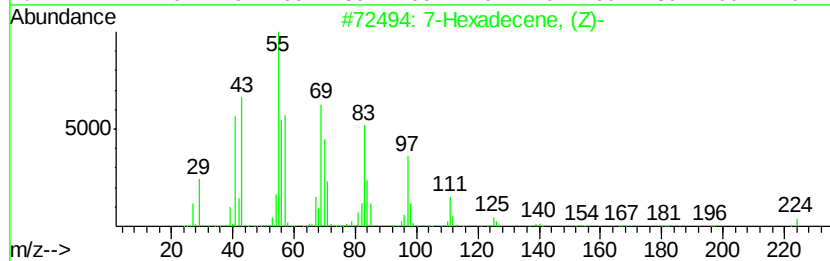
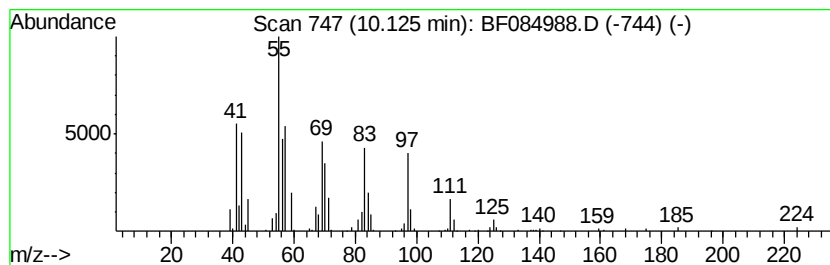
Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.12	9.44 ng	662149	Acenaphthene-d10	9.66	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	98
2	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	96
3	1-Hexadecene	224	C16H32	000629-73-2	76
4	5-Tetradecene, (E)-	196	C14H28	041446-66-6	68
5	1-Tetradecene	196	C14H28	001120-36-1	68



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IJ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

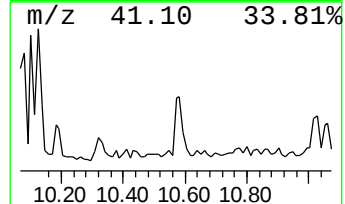
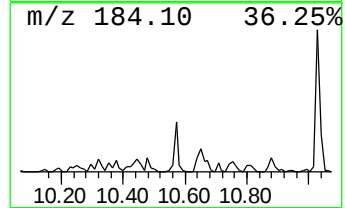
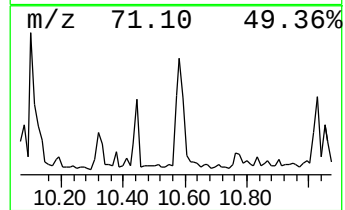
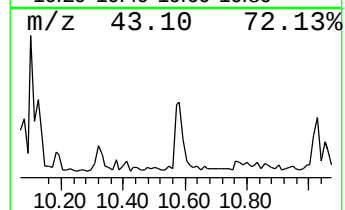
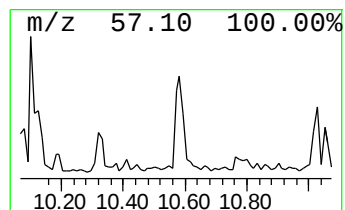
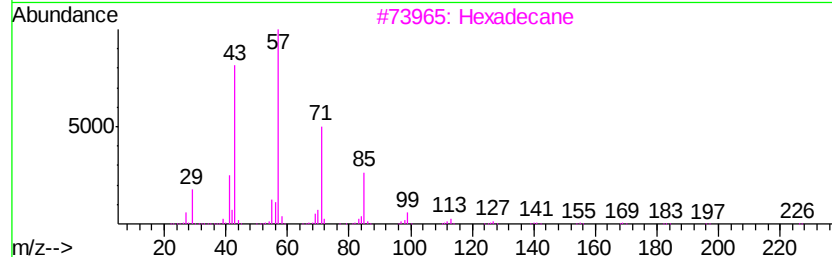
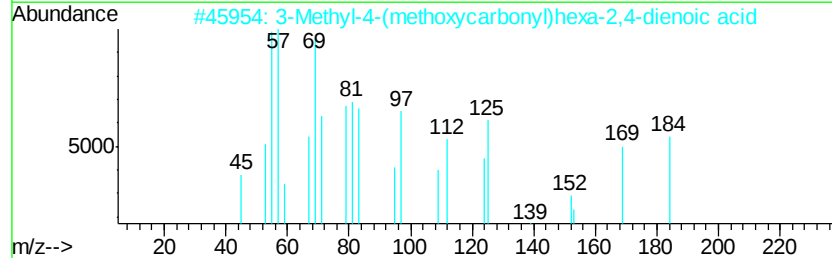
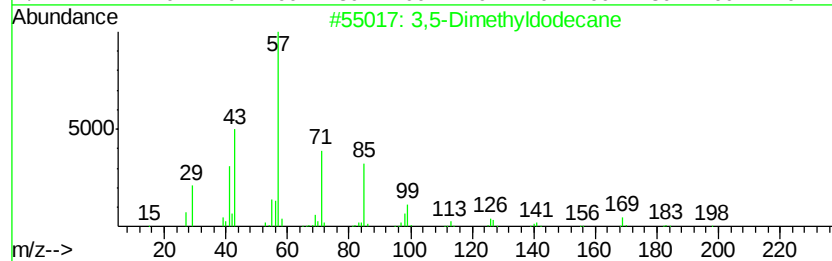
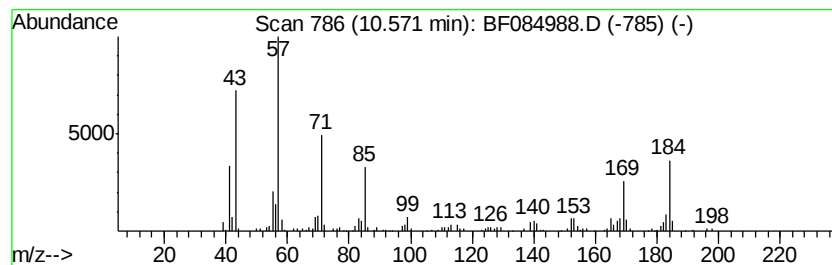
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 3,5-Dimethyldodecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	3.21 ng	315655	Phenanthrene-d10	11.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	58
2		3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	49
3		Hexadecane	226	C16H34	000544-76-3	49
4		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	46
5		Dodecane	170	C12H26	000112-40-3	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

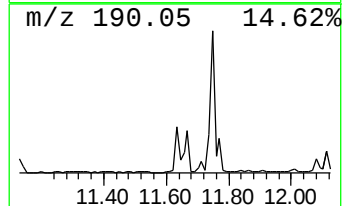
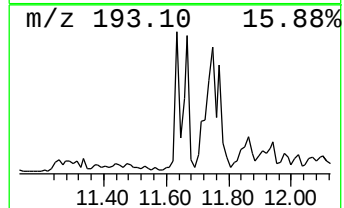
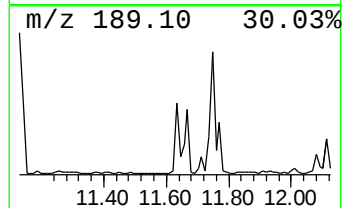
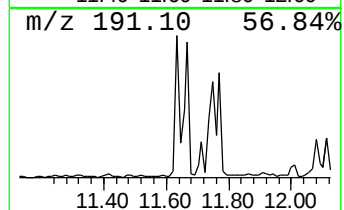
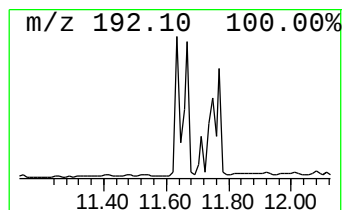
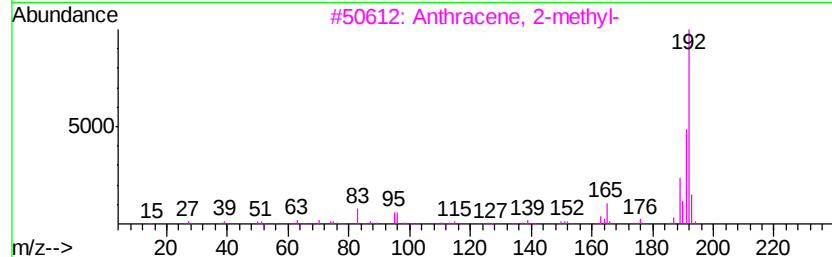
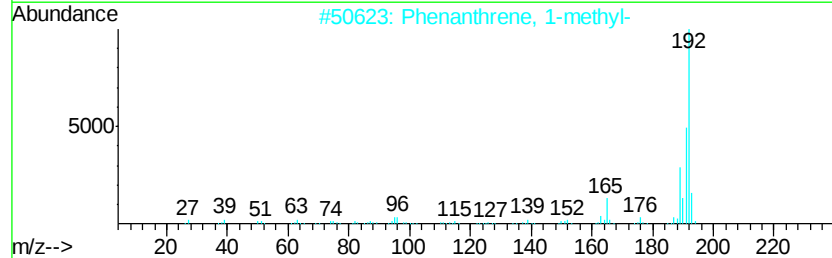
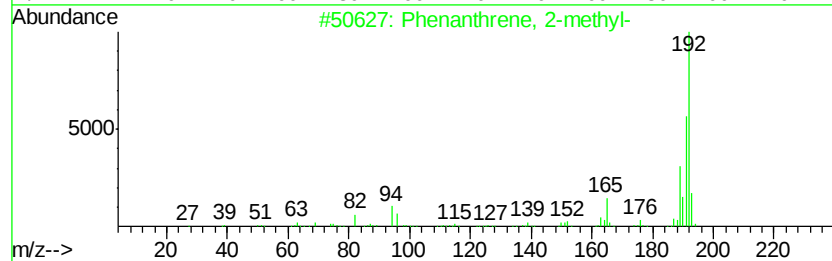
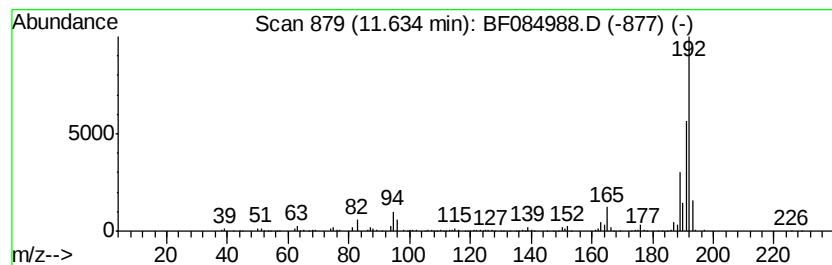
Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.63	3.35 ng	329551	Phenanthrene-d10	11.13	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

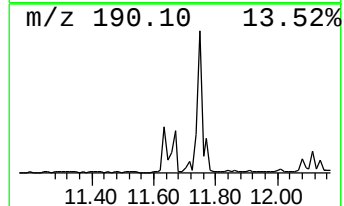
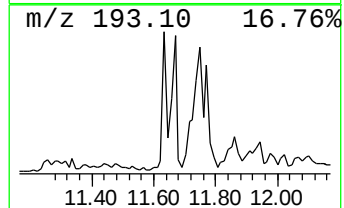
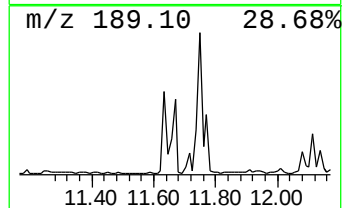
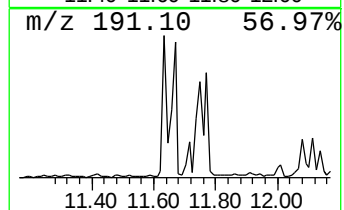
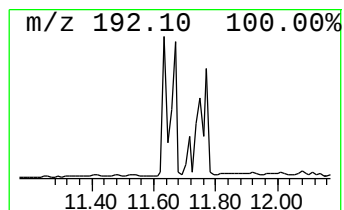
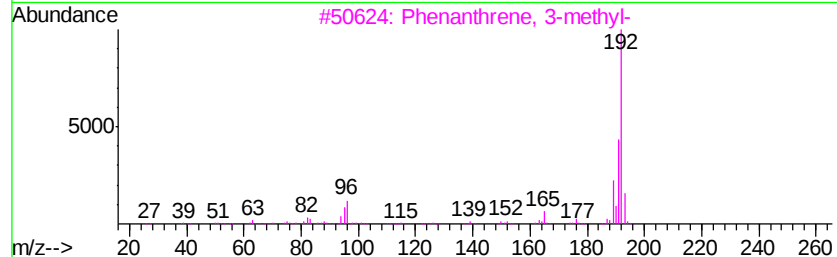
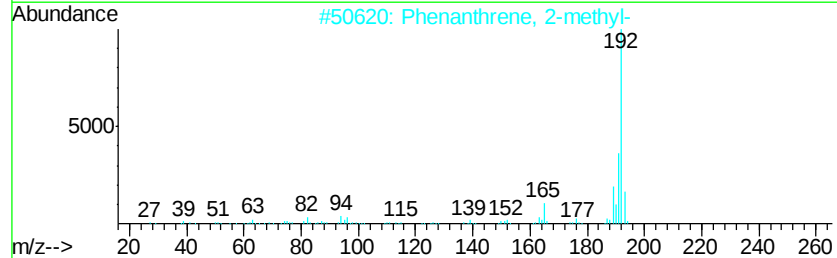
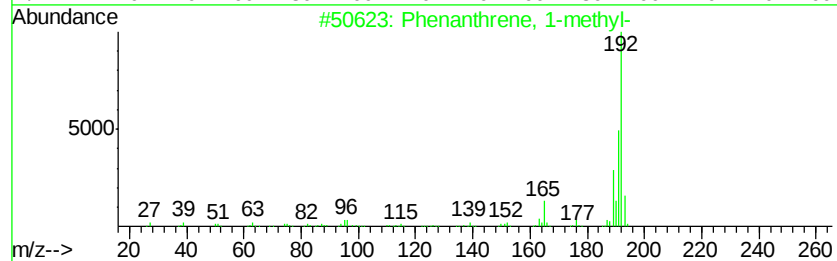
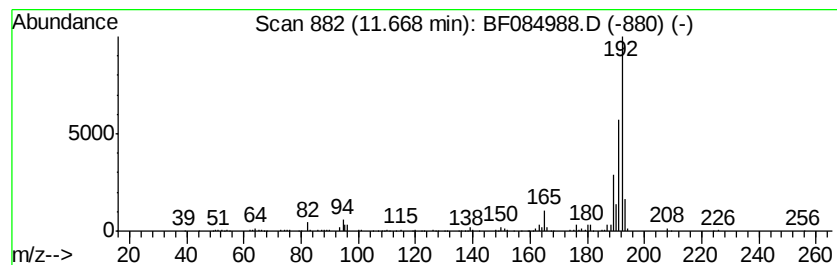
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	3.46 ng	339873	Phenanthrene-d10	11.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

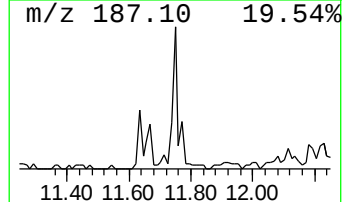
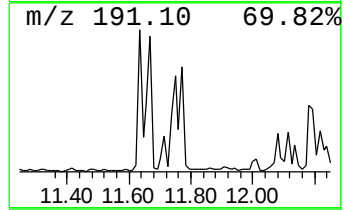
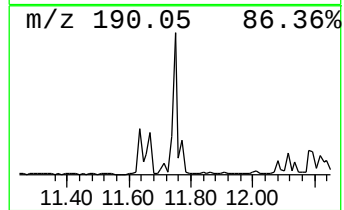
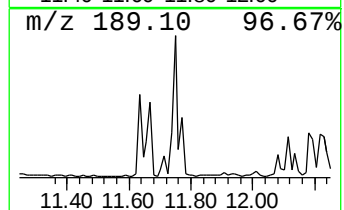
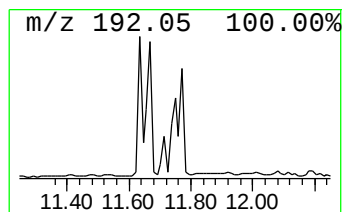
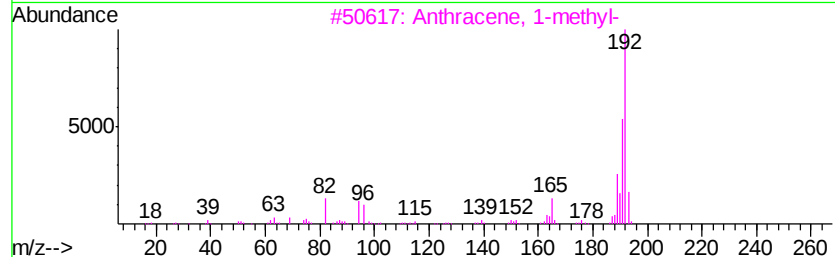
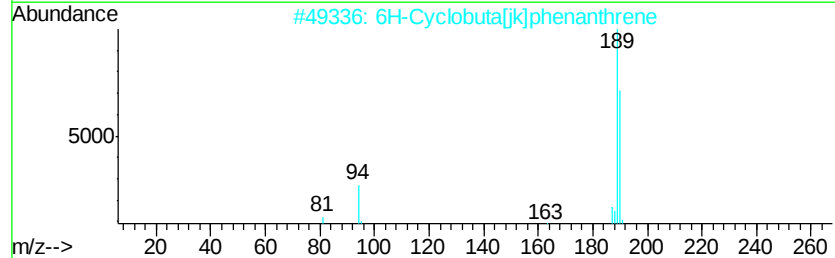
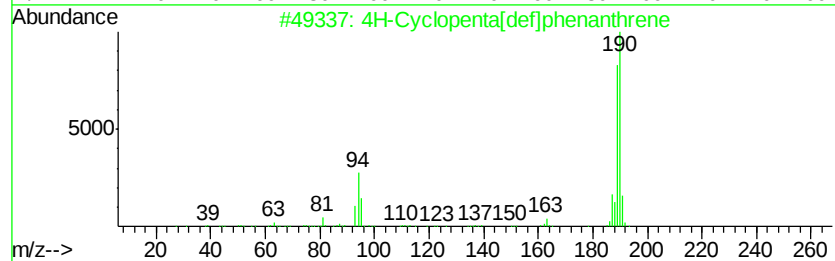
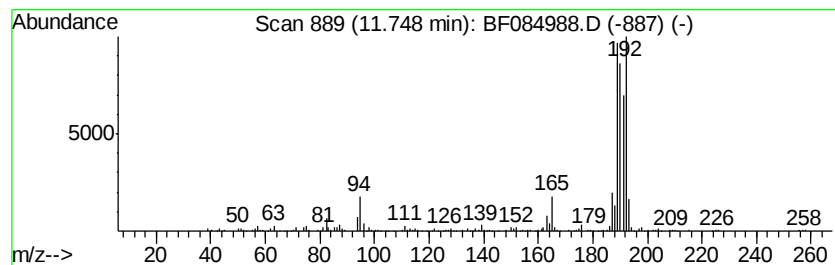
Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.75	6.58 ng	647090	Phenanthrene-d10	11.13	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

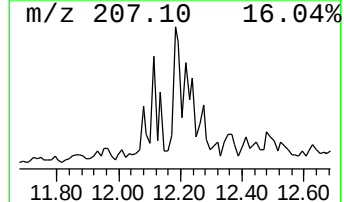
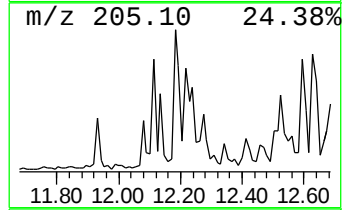
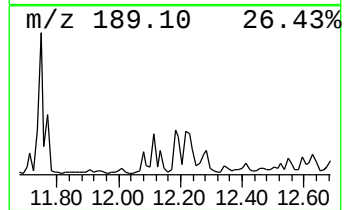
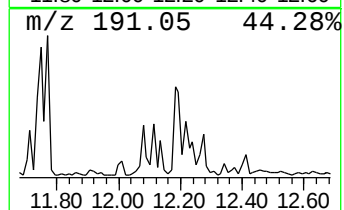
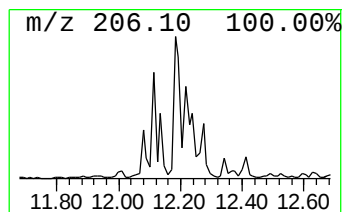
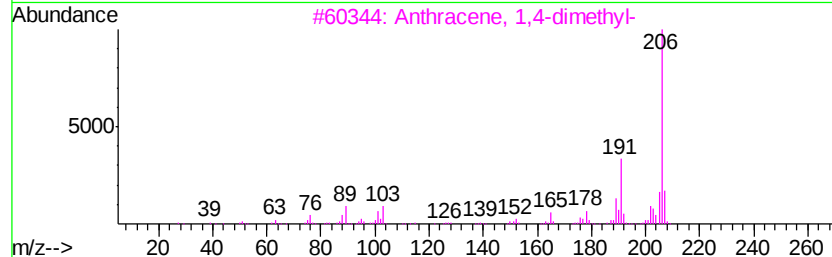
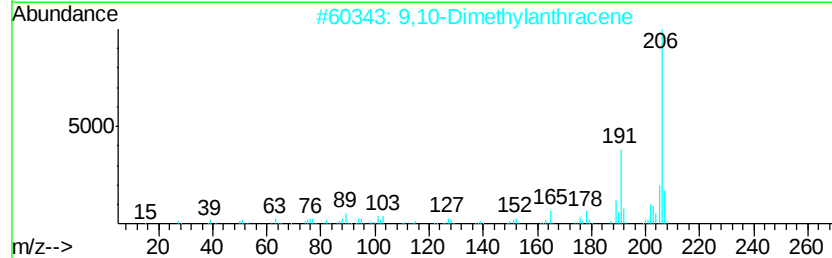
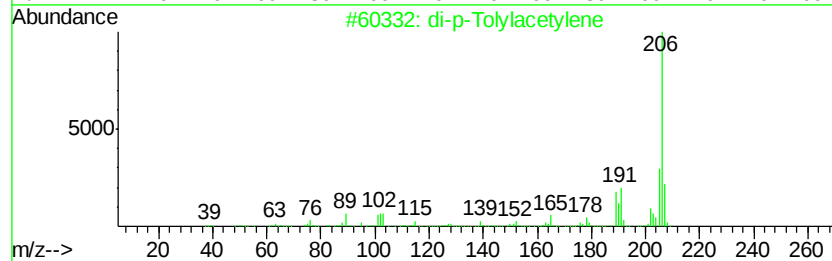
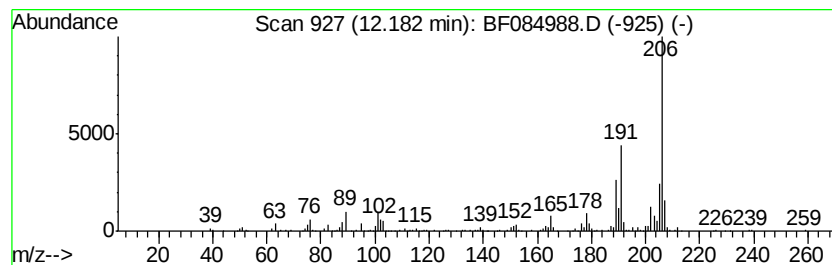
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 di-p-Tolylacetylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	4.06 ng	399317	Phenanthrene-d10	11.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			di-p-Tolylacetylene	206	C16H14	002789-88-0	92
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5			Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

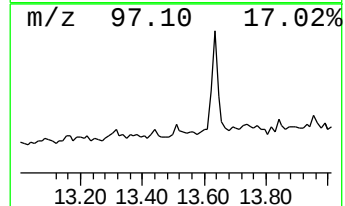
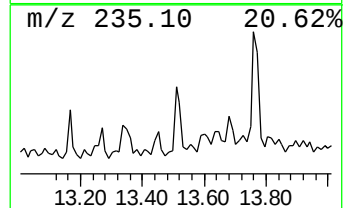
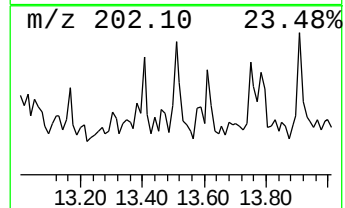
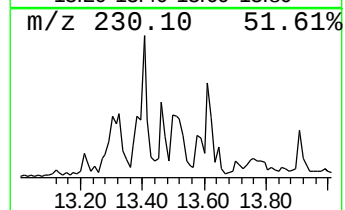
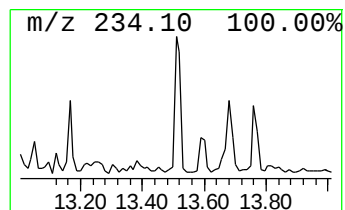
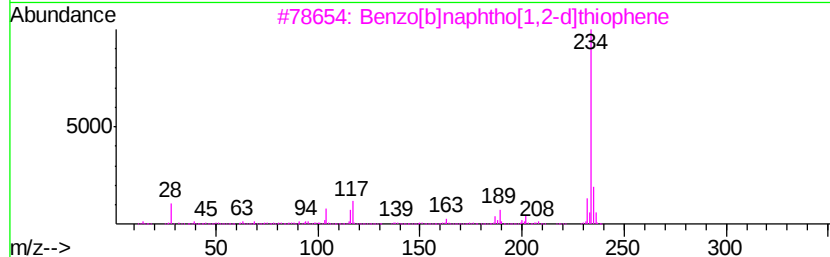
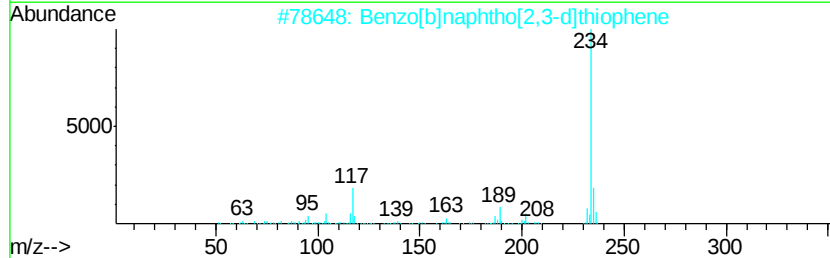
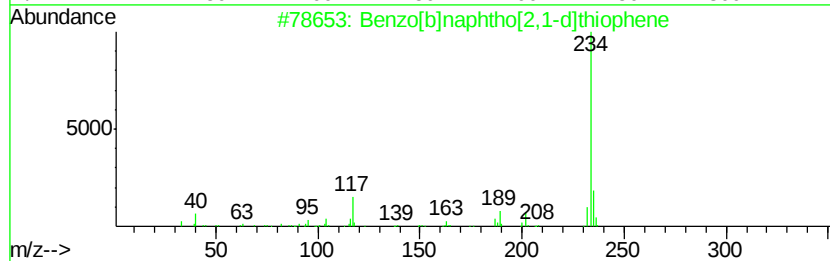
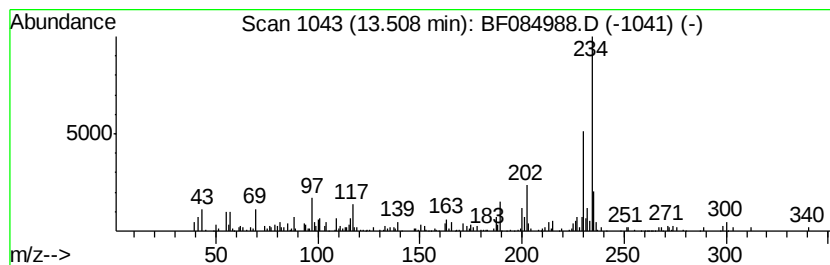
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	3.30 ng	264341	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	83
2		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	58
3		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	43
4		Anthra[1,9a,9-cd;5,10a,10-c'd']d...	234	C14H6N2O2	000201-91-2	38
5		2,4-Diamino-5,6,7,8-tetrahydro-9...	234	C11H14N4S	042159-81-9	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

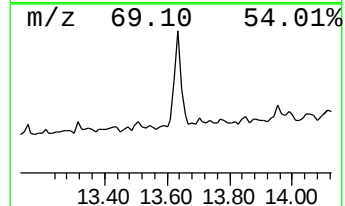
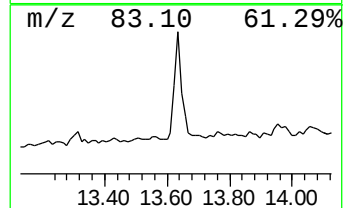
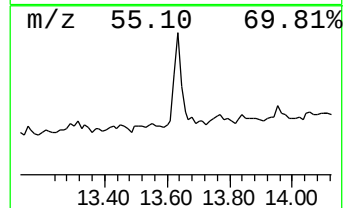
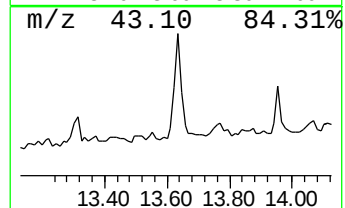
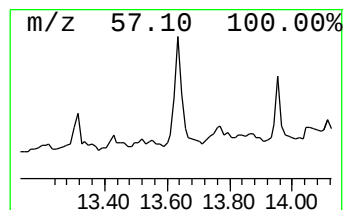
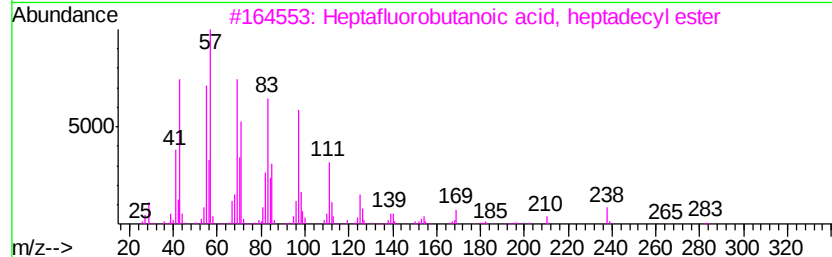
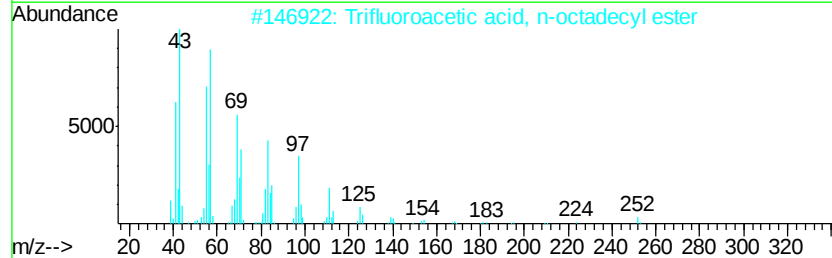
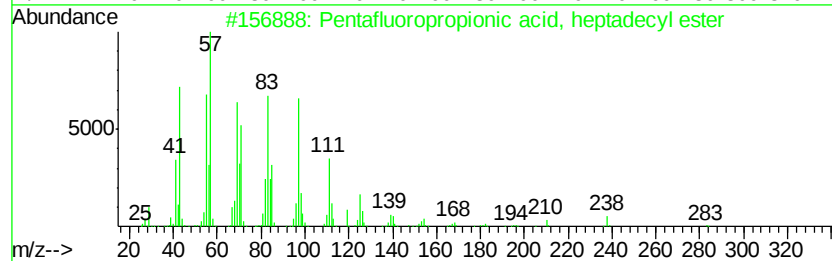
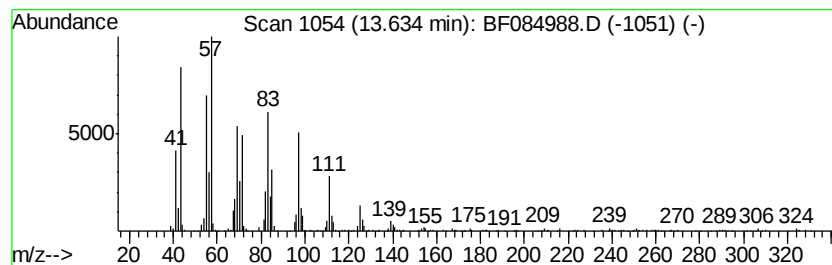
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Pentafluoropropionic acid, ... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	6.97 ng	558919	Chrysene-d12	13.76

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	94
2			Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	91
3			Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	91
4			1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	91
5			17-Pentatriacontene	491	C35H70	006971-40-0	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

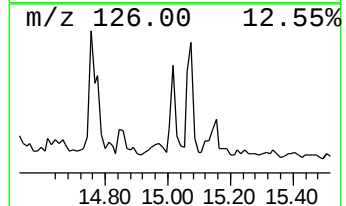
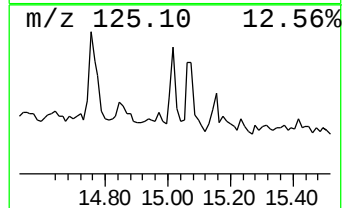
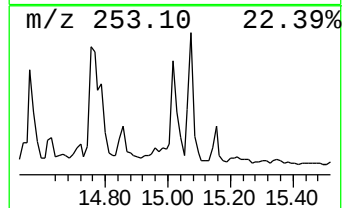
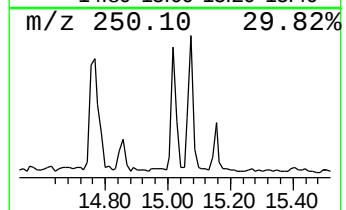
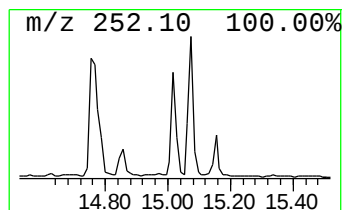
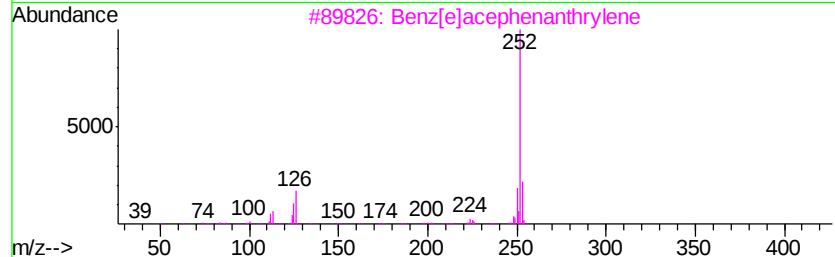
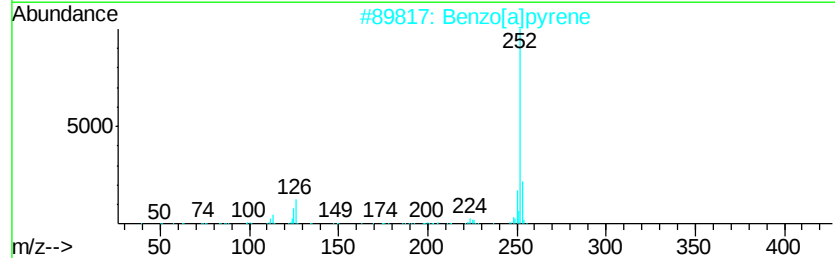
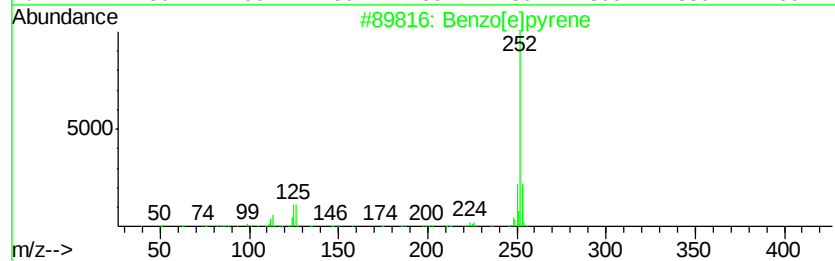
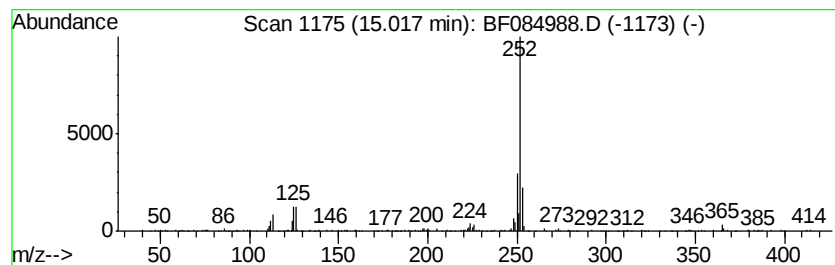
Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	4.65 ng	170427	Perylene-d12	15.13
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Benzo[e]pyrene	252 C20H12	000192-97-2	98
2	Benzo[a]pyrene	252 C20H12	000050-32-8	97
3	Benz[e]acephenanthrylene	252 C20H12	000205-99-2	95
4	Benzo[j]fluoranthene	252 C20H12	000205-82-3	90
5	Benzo[k]fluoranthene	252 C20H12	000207-08-9	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

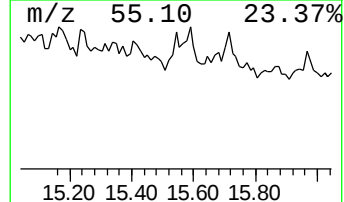
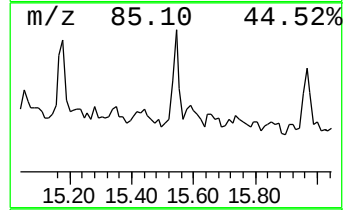
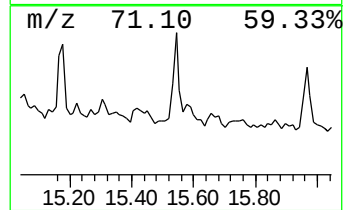
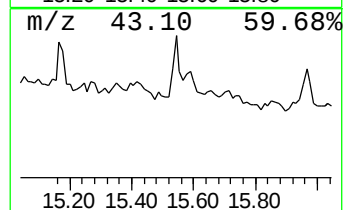
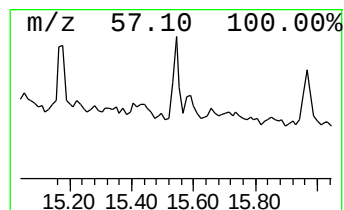
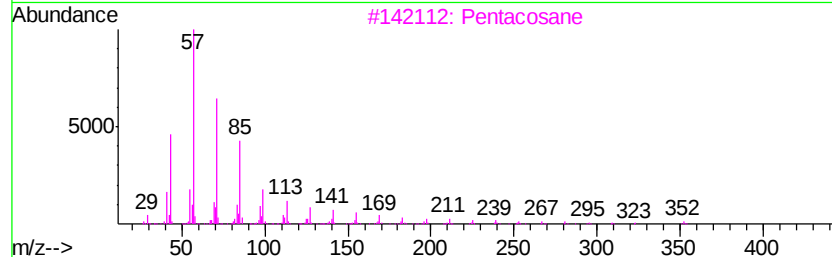
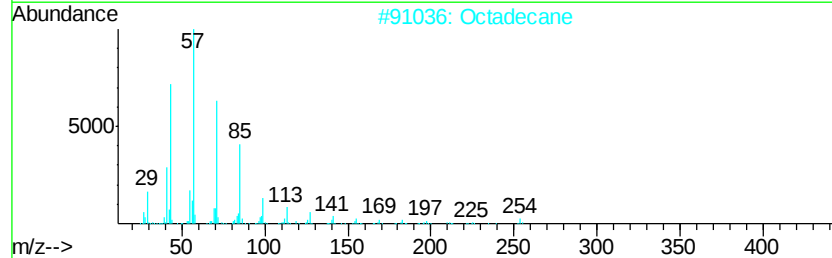
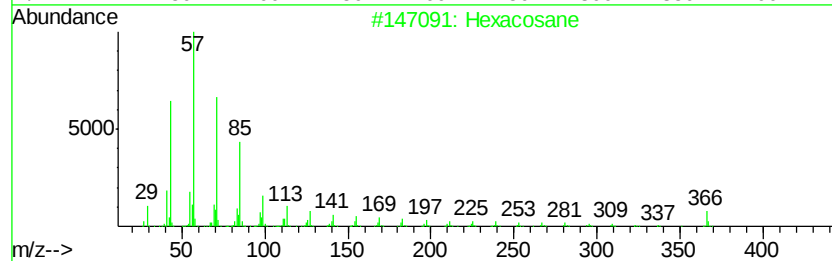
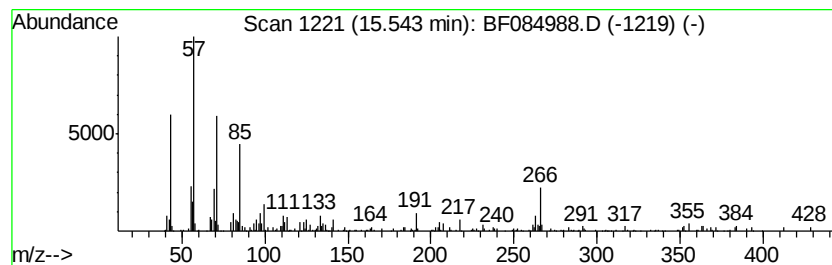
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Hexacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	4.99 ng	182787	Perylene-d12	15.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexacosane	366	C26H54	000630-01-3	53
2			Octadecane	254	C18H38	000593-45-3	53
3			Pentacosane	352	C25H52	000629-99-2	49
4			Undecane, 2-methyl-	170	C12H26	007045-71-8	49
5			Dodecane, 2-methyl-	184	C13H28	001560-97-0	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

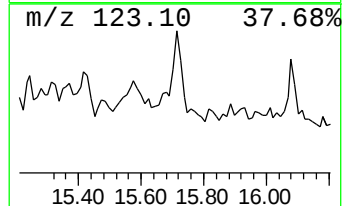
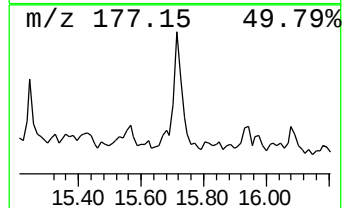
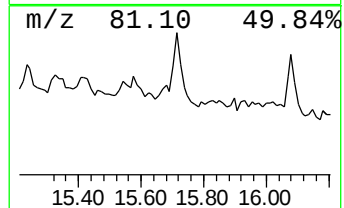
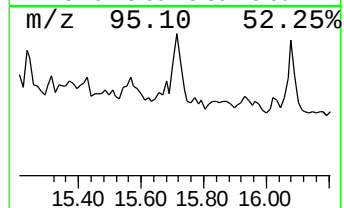
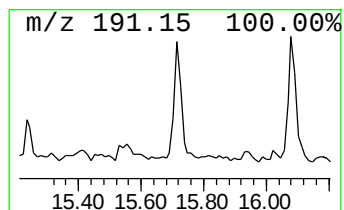
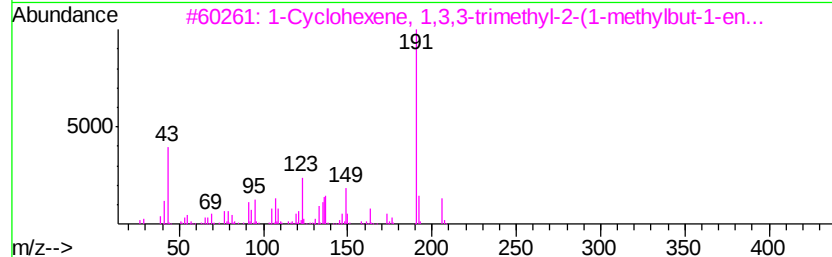
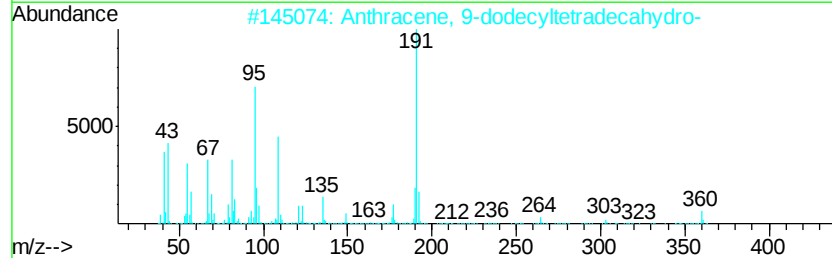
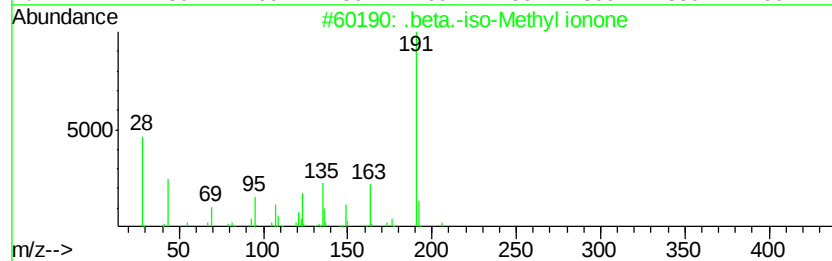
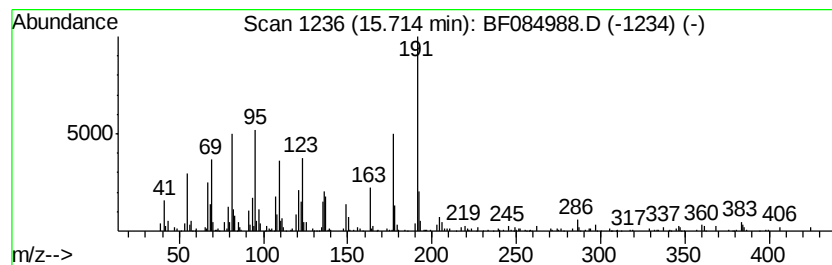
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 .beta.-iso-Methyl ionone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	10.65 ng	390230	Perylene-d12	15.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	81
2		Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	64
3		1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	43
4		Anthracene, 9-cyclohexyltetradec...	274	C20H34	055255-70-4	40
5		1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
Data File : BF084988.D
Acq On : 10 Feb 2016 12:56
Operator : SJ/IZ
Sample : H1329-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4-B007(5-7)

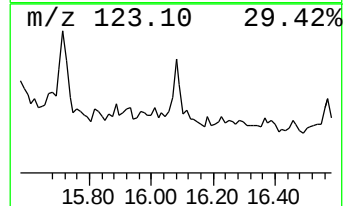
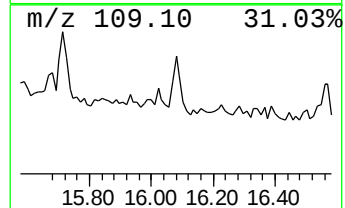
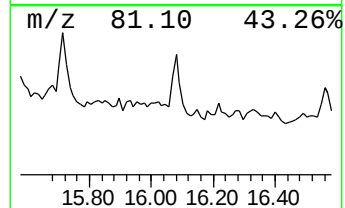
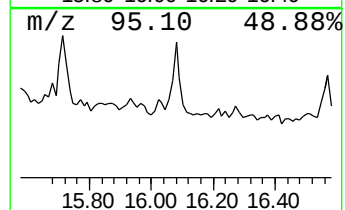
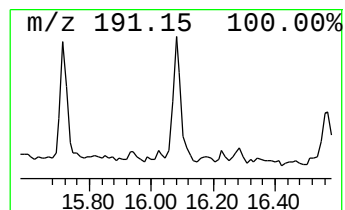
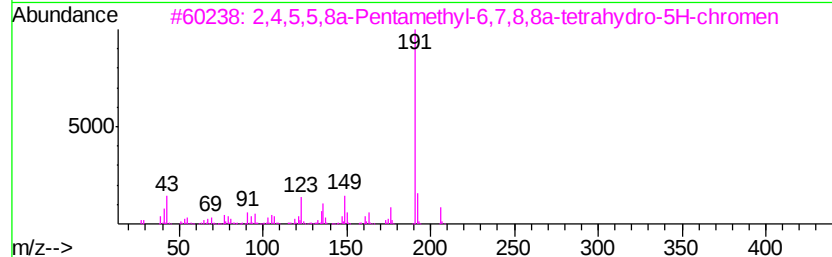
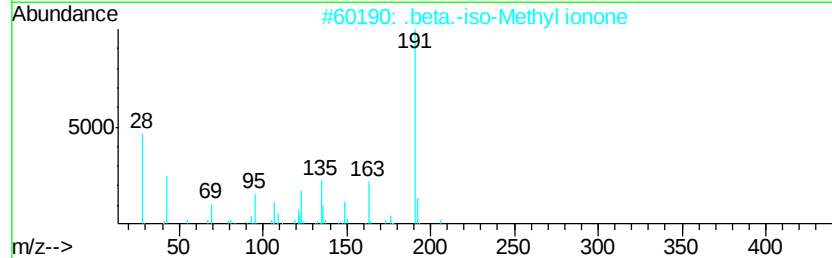
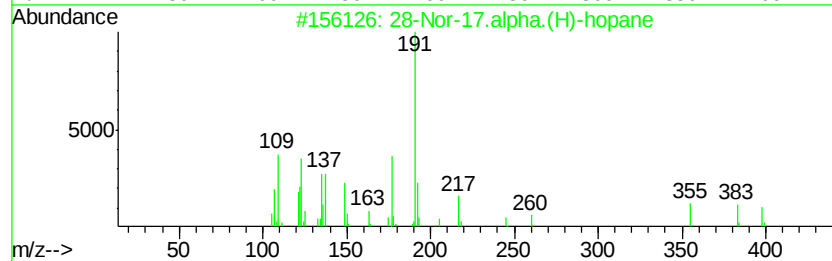
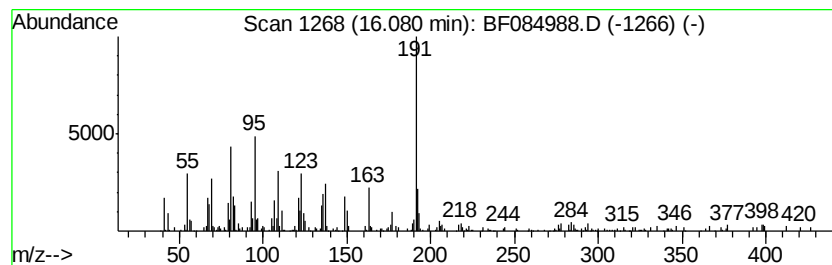
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 28-Nor-17.alpha.(H)-hopane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	8.31 ng	304319	Perylene-d12	15.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	64
2		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	52
3		2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	47
4		1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	46
5		Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021016\
 Data File : BF084988.D
 Acq On : 10 Feb 2016 12:56
 Operator : SJ/IZ
 Sample : H1329-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B007(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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
Butane, 2-methoxy...	1.70	4.2	ng	213211	1	6.62	1005240	20.0
2-Pentanone, 4-hy...	4.76	42.8	ng	2151390	1	6.62	1005240	20.0
unknown6.40	6.40	114.1	ng	5734260	1	6.62	1005240	20.0
2-Tetradecene, (E)-	9.11	7.9	ng	556135	3	9.66	1402570	20.0
7-Hexadecene, (Z)-	10.08	7.2	ng	505184	3	9.66	1402570	20.0
3-Hexadecene, (Z)-	10.12	9.4	ng	662149	3	9.66	1402570	20.0
3,5-Dimethyldodecane	10.57	3.2	ng	315655	4	11.13	1967020	20.0
Phenanthrene, 2-m...	11.63	3.4	ng	329551	4	11.13	1967020	20.0
Phenanthrene, 1-m...	11.67	3.5	ng	339873	4	11.13	1967020	20.0
4H-Cyclopenta[def...	11.75	6.6	ng	647090	4	11.13	1967020	20.0
di-p-Tolylacetylene	12.18	4.1	ng	399317	4	11.13	1967020	20.0
Benzo[b]naphtho[2...	13.51	3.3	ng	264341	5	13.76	1602710	20.0
Pentafluoropropio...	13.63	7.0	ng	558919	5	13.76	1602710	20.0
Benzo[e]pyrene	15.02	4.7	ng	170427	6	15.13	732801	20.0
Hexacosane	15.54	5.0	ng	182787	6	15.13	732801	20.0
.beta.-iso-Methyl...	15.71	10.7	ng	390230	6	15.13	732801	20.0
28-Nor-17.alpha.(...	16.08	8.3	ng	304319	6	15.13	732801	20.0