

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
 Data File : BF089443.D
 Acq On : 30 Jul 2016 8:10
 Operator : UM/SJ
 Sample : H4215-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-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-BF072716.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	1.678	6	8	45	rVB	1203062	2562105	100.00%	10.041%
2	4.593	260	263	271	rBV	185196	272848	10.65%	1.069%
3	5.084	303	306	320	rBV	376094	678898	26.50%	2.661%
4	6.170	399	401	409	rBV	598225	742069	28.96%	2.908%
5	6.284	409	411	413	rBV	708538	776104	30.29%	3.042%
6	6.513	429	431	437	rBV	242673	256271	10.00%	1.004%
7	6.673	442	445	447	rBV	560191	632476	24.69%	2.479%
8	7.084	479	481	493	rBV	403615	512715	20.01%	2.009%
9	7.805	541	544	546	rBV	296954	339308	13.24%	1.330%
10	8.879	636	638	640	rBV	1157937	968778	37.81%	3.797%
11	9.279	671	673	675	rBV	169255	140887	5.50%	0.552%
12	9.542	694	696	698	rBV	409384	356435	13.91%	1.397%
13	9.748	711	714	716	rBV2	21788	27880	1.09%	0.109%
14	9.999	734	736	738	rBV	33088	26801	1.05%	0.105%
15	10.090	742	744	747	rBV	23866	28465	1.11%	0.112%
16	10.331	763	765	767	rBV	322207	385320	15.04%	1.510%
17	10.468	774	777	780	rBV2	41525	53731	2.10%	0.211%
18	10.913	814	816	817	rBV	38954	35116	1.37%	0.138%
19	11.016	822	825	826	rBV	279126	343781	13.42%	1.347%
20	11.039	826	827	829	rVV	638841	507439	19.81%	1.989%
21	11.085	830	831	834	rVV	139618	173958	6.79%	0.682%
22	11.256	843	846	850	rVV3	24207	62868	2.45%	0.246%
23	11.336	852	853	858	rVB2	19186	27321	1.07%	0.107%
24	11.519	866	869	870	rBV	50819	80763	3.15%	0.317%
25	11.542	870	871	873	rVV	112034	103050	4.02%	0.404%
26	11.588	873	875	876	rVV	51349	60911	2.38%	0.239%
27	11.622	876	878	884	rVB3	192460	289218	11.29%	1.133%
28	11.805	891	894	896	rBV3	56959	85353	3.33%	0.334%
29	11.839	896	897	900	rVB	45842	42329	1.65%	0.166%
30	12.056	914	916	918	rBV	46074	61481	2.40%	0.241%
31	12.091	918	919	921	rBV	24043	38555	1.50%	0.151%
32	12.148	921	924	928	rVB2	127646	166696	6.51%	0.653%
33	12.228	928	931	933	rBV	1254627	1642954	64.13%	6.439%
34	12.274	933	935	937	rVV2	31402	39531	1.54%	0.155%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
 Data File : BF089443.D
 Acq On : 30 Jul 2016 8:10
 Operator : UM/SJ
 Sample : H4215-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-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-BF072716.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.319	937	939	941	rVB2	111259	128970	5.03%	0.505%
36	12.365	941	943	945	rBV	96906	110361	4.31%	0.433%
37	12.445	947	950	953	rBV2	1244711	1557484	60.79%	6.104%
38	12.491	953	954	956	rVB	56827	58419	2.28%	0.229%
39	12.536	956	958	959	rVB	67413	56216	2.19%	0.220%
40	12.594	961	963	966	rVB	639994	769332	30.03%	3.015%
41	12.662	966	969	971	rBV2	82354	143915	5.62%	0.564%
42	12.776	975	979	981	rBV	245495	347333	13.56%	1.361%
43	12.834	981	984	986	rBV2	119438	233365	9.11%	0.915%
44	12.868	986	987	992	rVV	112783	195746	7.64%	0.767%
45	12.959	994	995	997	rBV2	89985	109720	4.28%	0.430%
46	12.994	997	998	1003	rVB2	97788	138158	5.39%	0.541%
47	13.177	1010	1014	1019	rBV4	103605	227801	8.89%	0.893%
48	13.257	1019	1021	1022	rBV2	33078	40794	1.59%	0.160%
49	13.279	1022	1023	1027	rVB	110296	128895	5.03%	0.505%
50	13.382	1030	1032	1033	rBV	172726	197576	7.71%	0.774%
51	13.497	1040	1042	1046	rBV2	83915	200736	7.83%	0.787%
52	13.554	1046	1047	1050	rVB	36829	38800	1.51%	0.152%
53	13.634	1051	1054	1056	rVV2	834226	1570976	61.32%	6.157%
54	13.668	1056	1057	1061	rVV	778483	674394	26.32%	2.643%
55	13.737	1061	1063	1065	rVV	137912	139212	5.43%	0.546%
56	13.782	1065	1067	1070	rVV2	57980	102707	4.01%	0.403%
57	13.839	1070	1072	1081	rVB4	69433	209886	8.19%	0.823%
58	13.988	1083	1085	1086	rBV	46669	66088	2.58%	0.259%
59	14.022	1086	1088	1090	rVV	133223	156933	6.13%	0.615%
60	14.057	1090	1091	1093	rVV	58858	52645	2.05%	0.206%
61	14.114	1094	1096	1097	rVV	63661	77556	3.03%	0.304%
62	14.148	1097	1099	1104	rVB5	71616	209635	8.18%	0.822%
63	14.342	1113	1116	1120	rBV5	51419	151836	5.93%	0.595%
64	14.491	1127	1129	1132	rBV2	75793	114803	4.48%	0.450%
65	14.548	1132	1134	1136	rVV2	42303	56740	2.21%	0.222%
66	14.640	1139	1142	1147	rBV	716119	1602790	62.56%	6.281%
67	14.720	1147	1149	1150	rVV2	119005	154680	6.04%	0.606%
68	14.880	1160	1163	1165	rVB	339996	491880	19.20%	1.928%
69	14.925	1165	1167	1170	rBV	521598	693013	27.05%	2.716%
70	14.982	1170	1172	1173	rBV	124936	223821	8.74%	0.877%
71	15.371	1203	1206	1209	rBV3	38766	89291	3.49%	0.350%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

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-BF072716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.428	1209	1211	1213	rVB	48304	65403	2.55%	0.256%
73	15.862	1247	1249	1252	rBV2	33459	54226	2.12%	0.213%
74	16.000	1258	1261	1263	rBV3	34782	90561	3.53%	0.355%
75	16.171	1272	1276	1279	rBV	200639	398890	15.57%	1.563%
76	16.308	1285	1288	1290	rBV2	53311	129487	5.05%	0.507%
77	16.514	1303	1306	1312	rVB	176014	346845	13.54%	1.359%
78	16.708	1321	1323	1329	rVB2	50906	130458	5.09%	0.511%
79	18.308	1459	1463	1473	rVB	37565	139980	5.46%	0.549%
80	18.468	1473	1477	1480	rBV	23847	74758	2.92%	0.293%
81	19.223	1539	1543	1546	rBV2	11909	41085	1.60%	0.161%

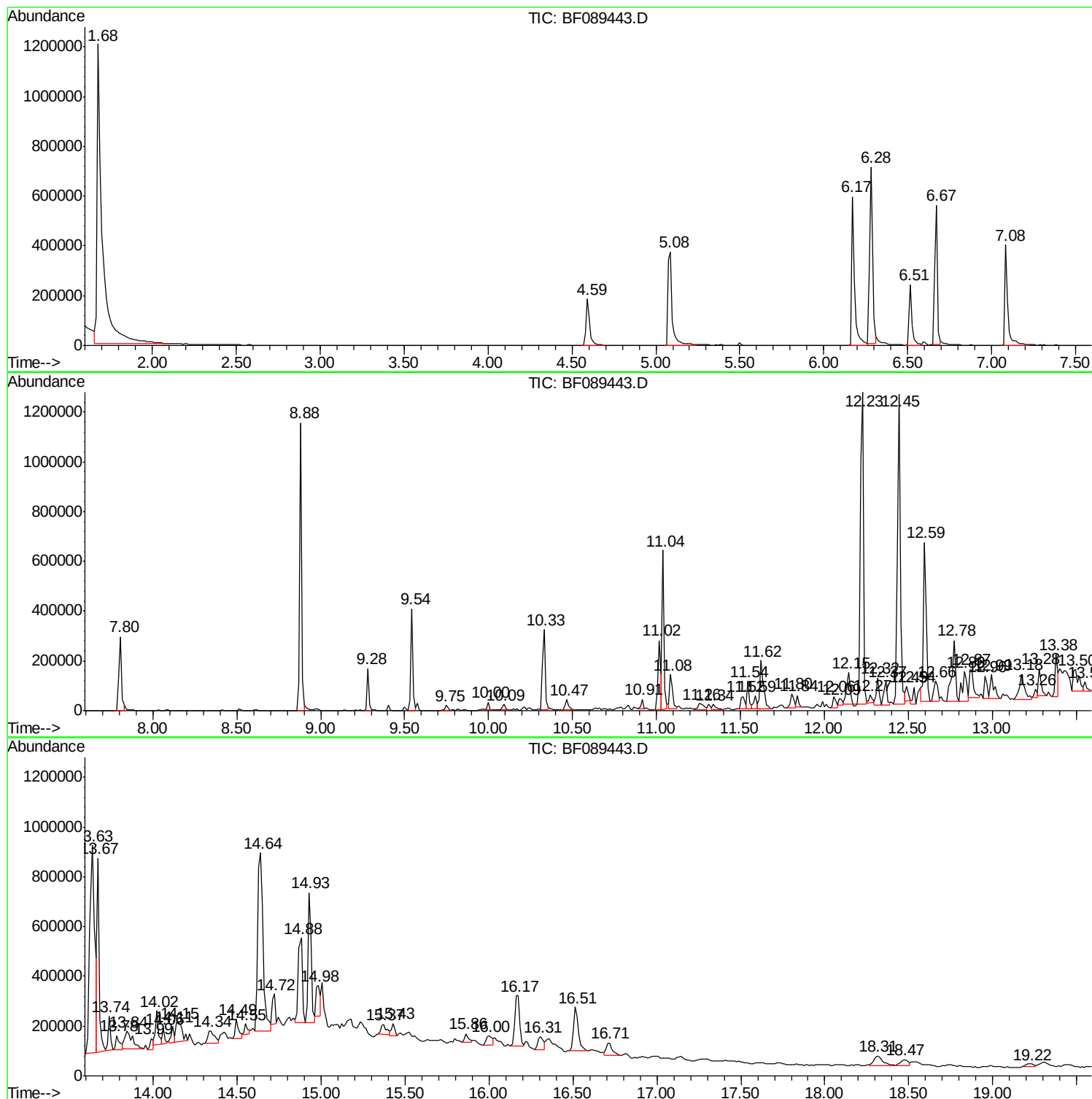
Sum of corrected areas: 25516615

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

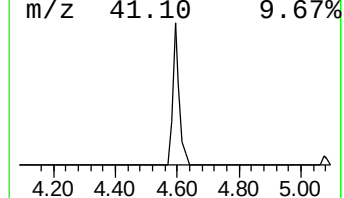
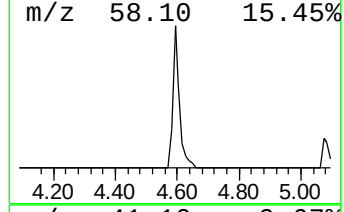
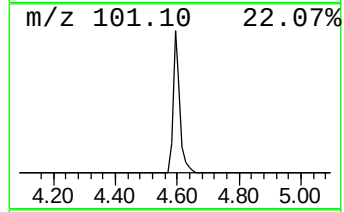
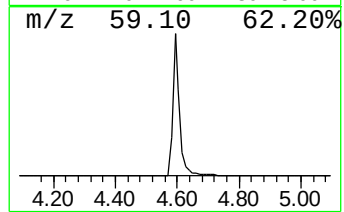
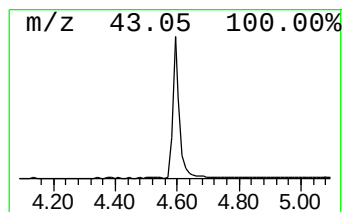
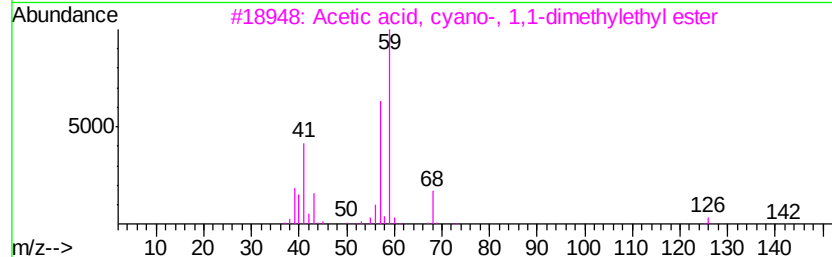
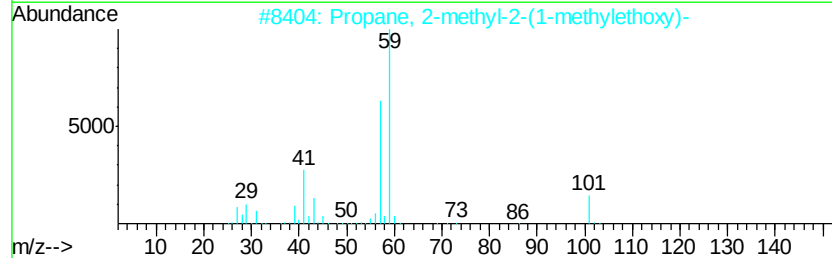
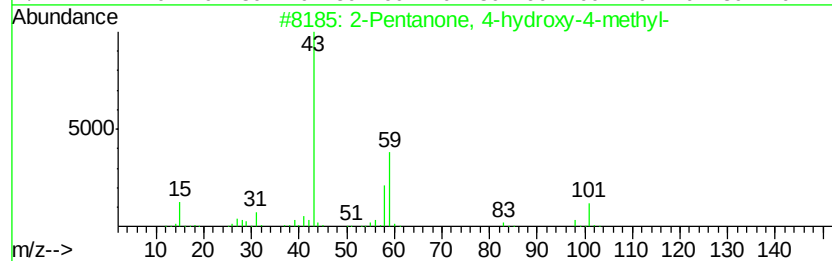
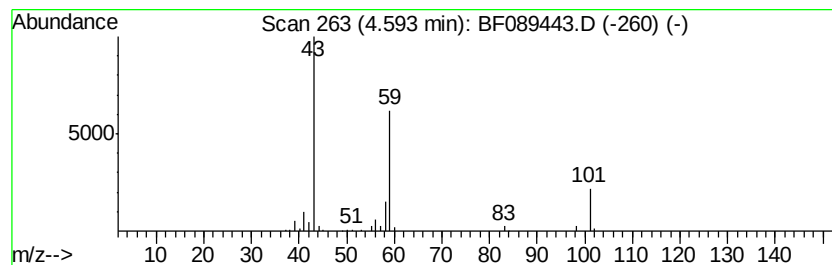
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	21.29 ng	272848	1,4-Dichlorobenzene-d4	6.51

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	23
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4		5-Hexen-2-one	98	C6H10O	000109-49-9	9
5		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

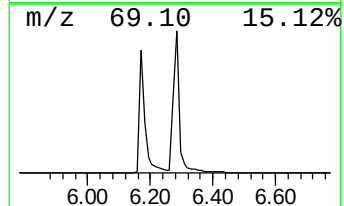
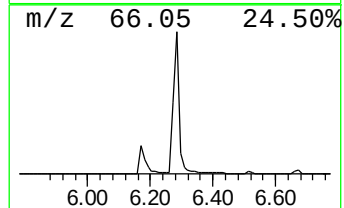
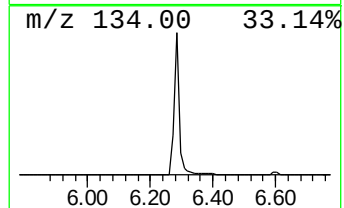
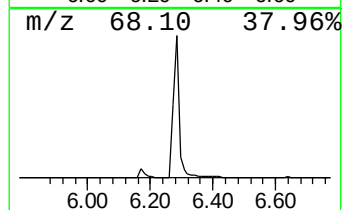
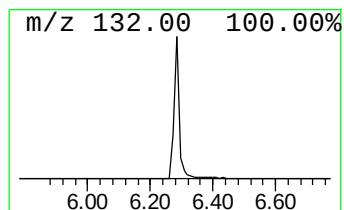
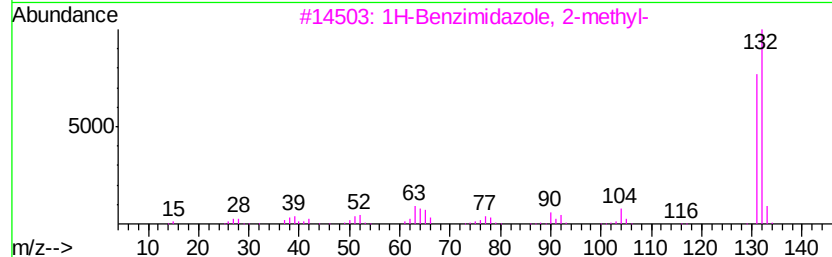
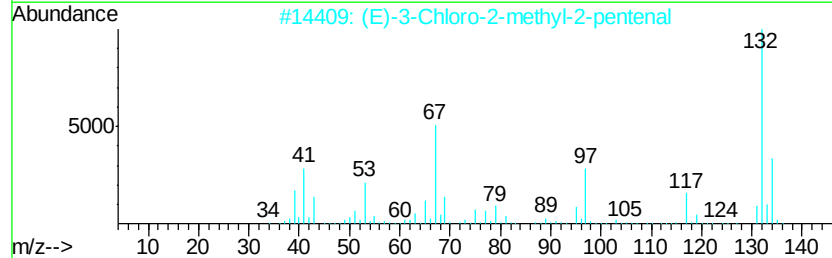
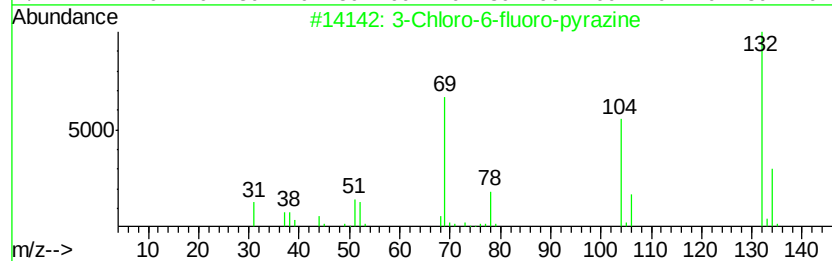
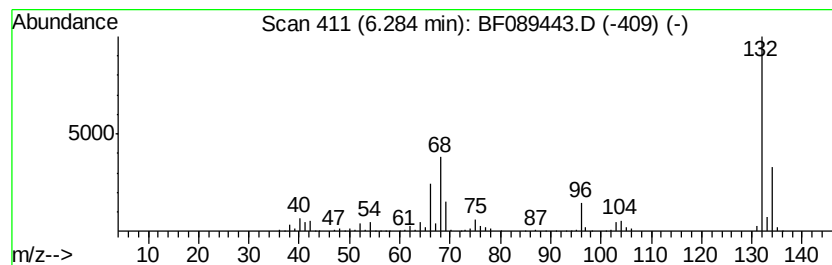
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.28 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.28	60.57 ng	776104	1,4-Dichlorobenzene-d4	6.51

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3			1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
4			1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5			Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

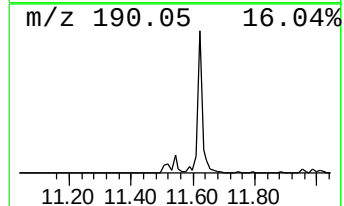
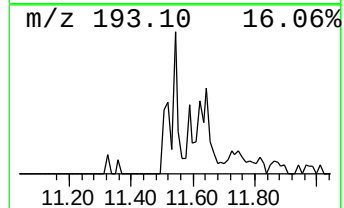
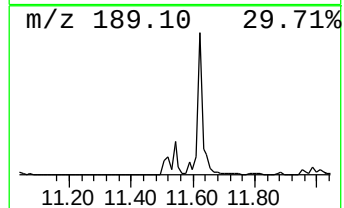
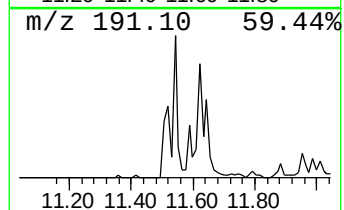
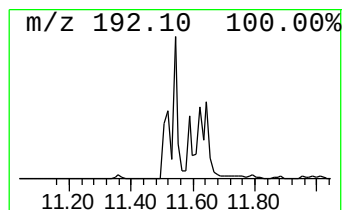
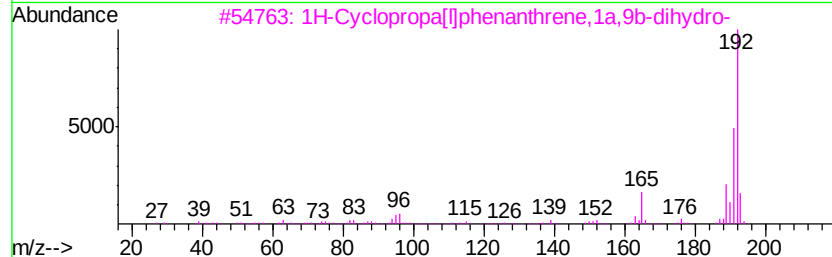
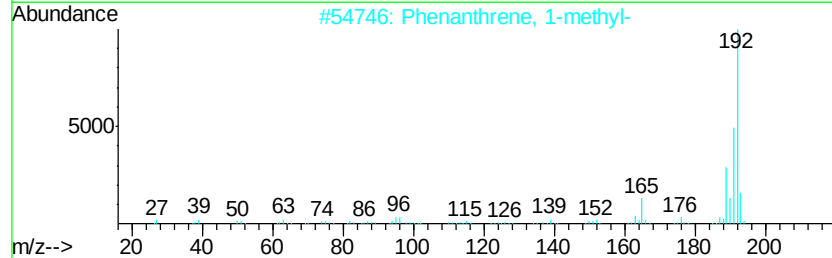
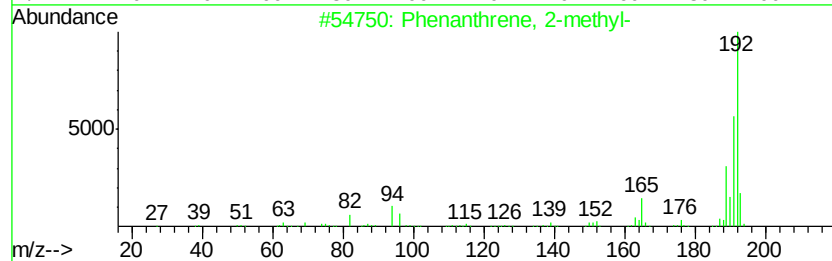
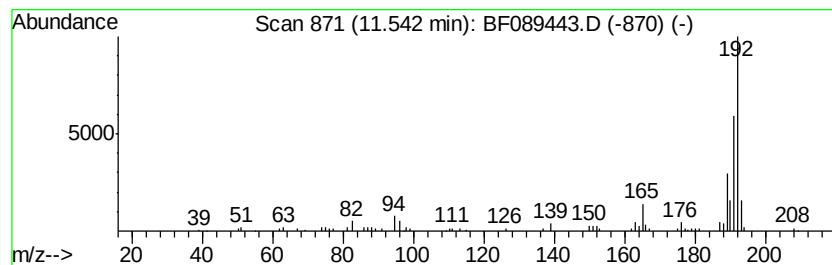
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	6.00 ng	103050	Phenanthrene-d10	11.02

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

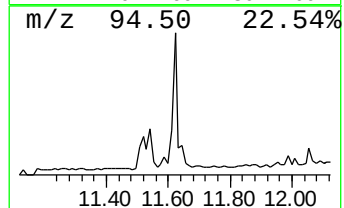
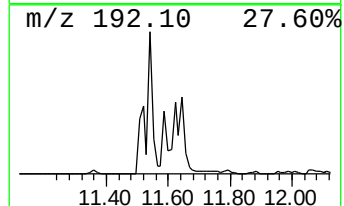
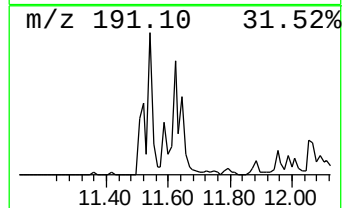
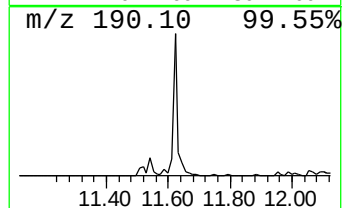
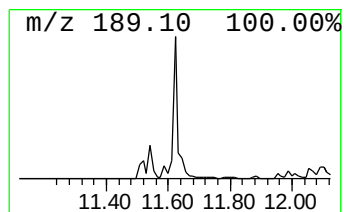
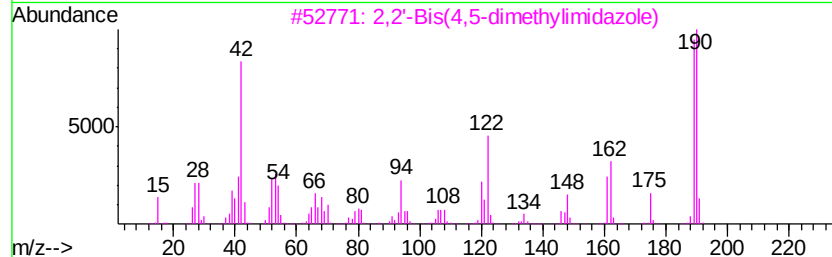
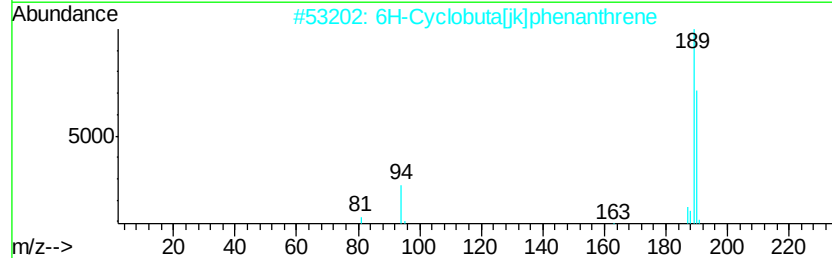
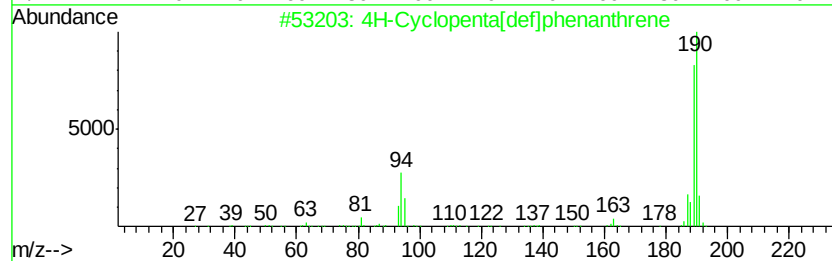
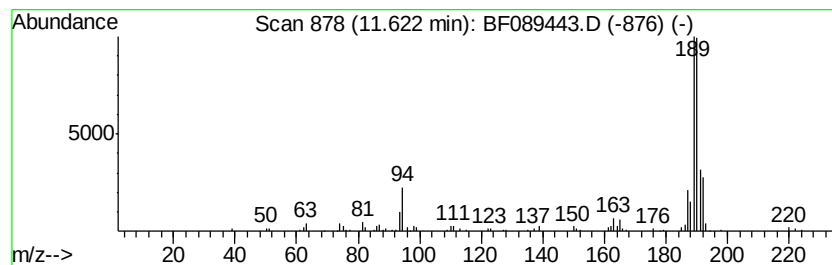
Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.62	16.83 ng	289218	Phenanthrene-d10	11.02	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	Megastigmatrienone	190	C13H18O	038818-55-2	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

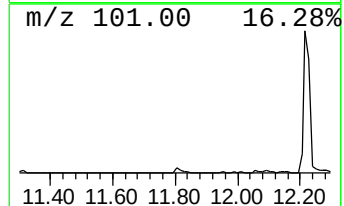
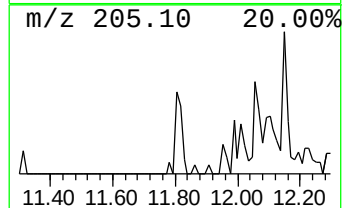
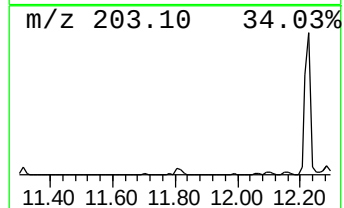
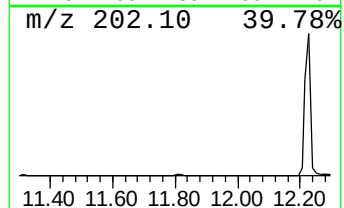
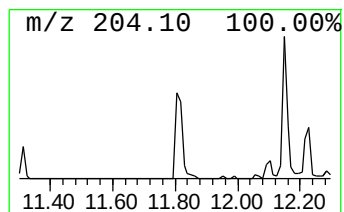
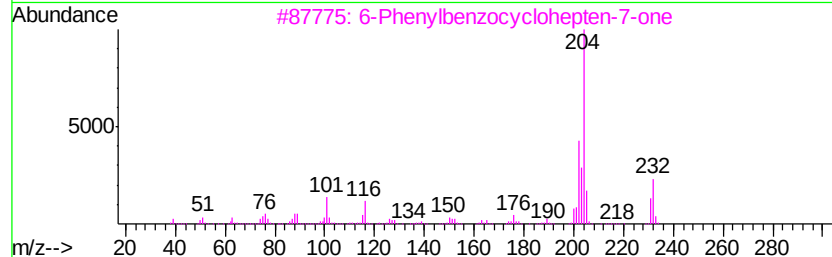
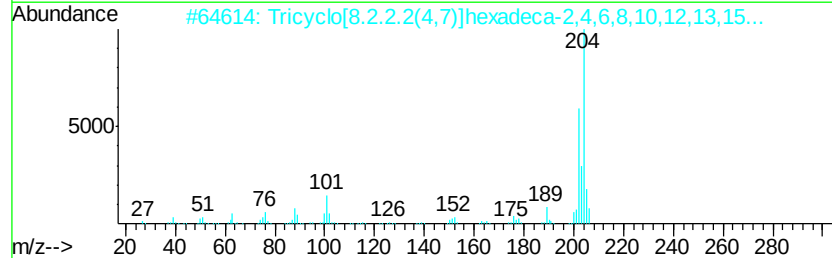
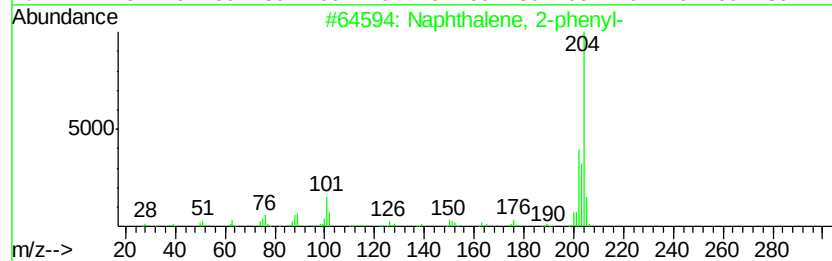
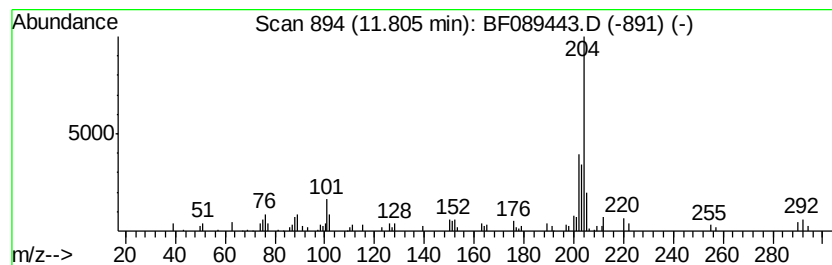
Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.80	4.97 ng	85353	Phenanthrene-d10	11.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
3		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	83
4		9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	72
5		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

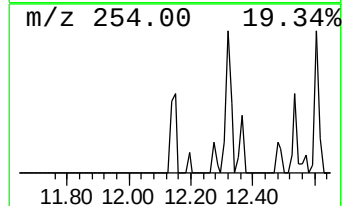
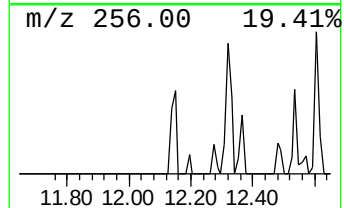
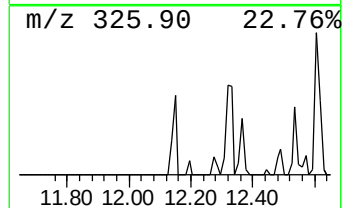
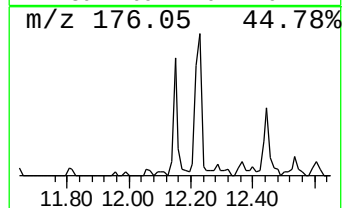
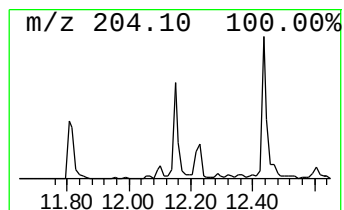
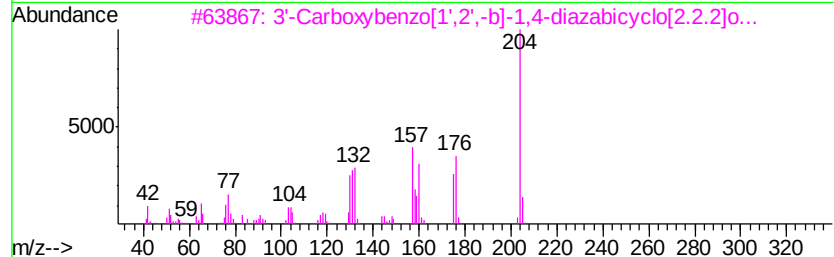
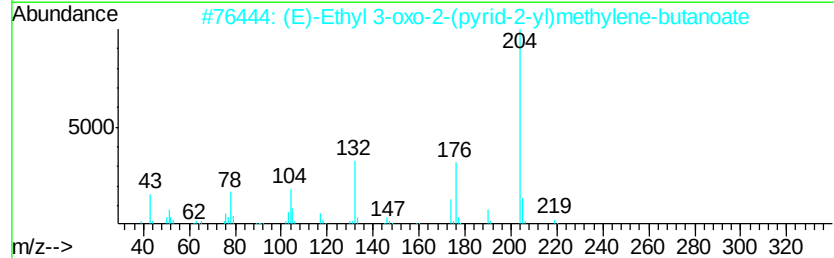
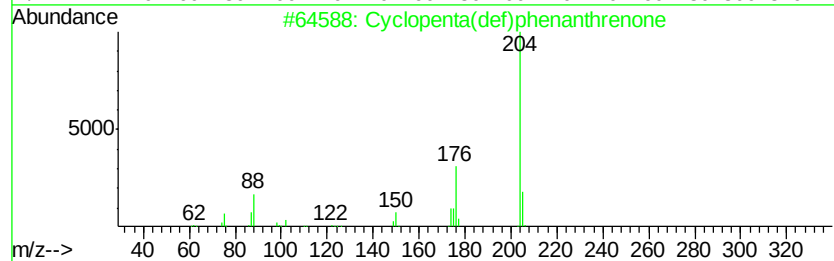
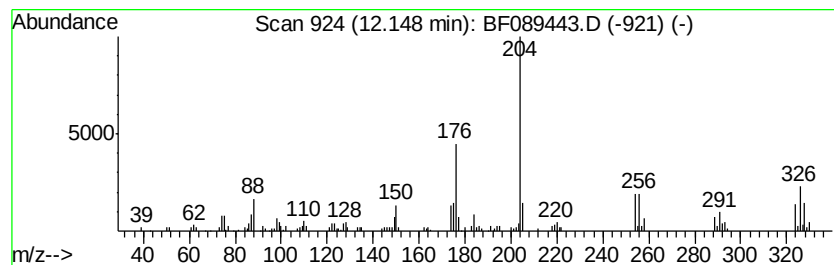
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	9.70 ng	166696	Phenanthrene-d10	11.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2		(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13N03	1000147-59-7	46
3		3'-Carboxybenzo[1',2',-b]-1,4-di...	204	C11H12N2O2	138023-41-3	37
4		5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	37
5		N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	37



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

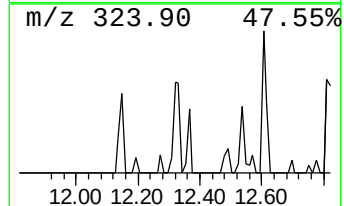
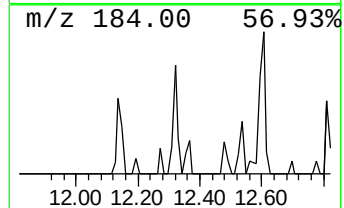
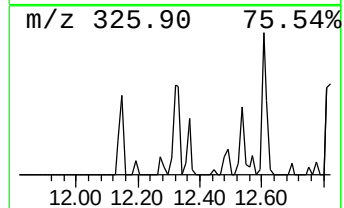
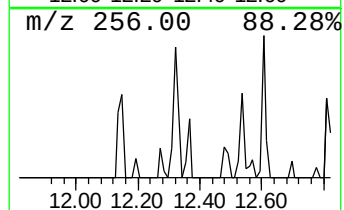
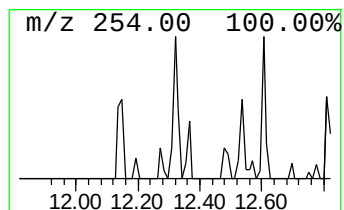
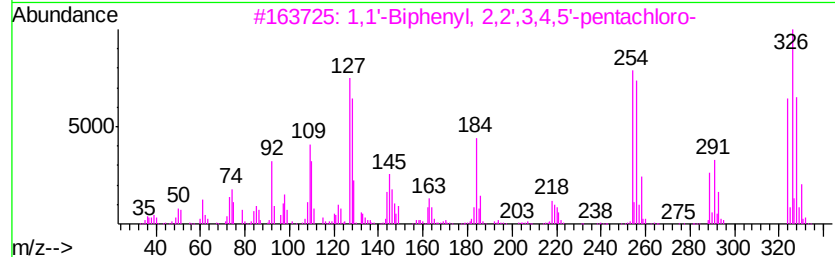
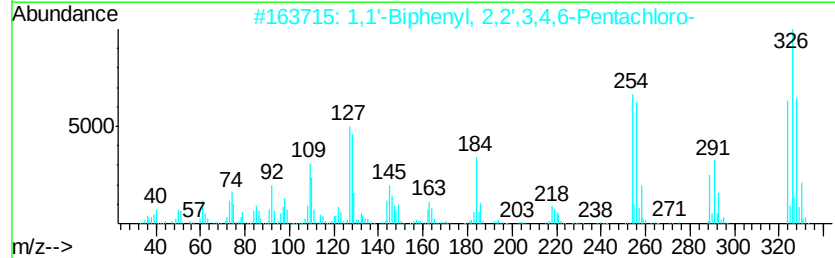
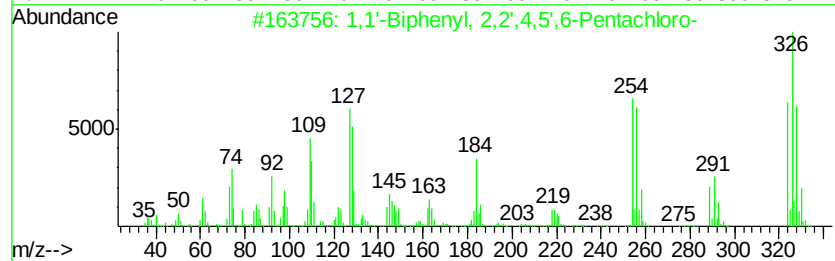
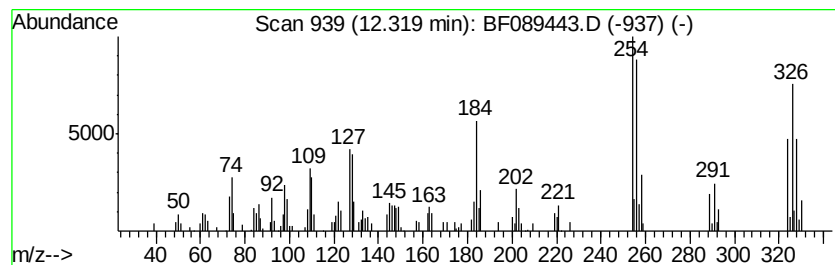
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1,1'-Biphenyl, 2,2',4,5',6-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	7.50 ng	128970	Phenanthrene-d10	11.02

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	99		
2	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	99		
3	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99		
4	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	99		
5	1,1'-Biphenyl, 2,2',4,4',6-Penta...	324	C12H5Cl5	039485-83-1	99		



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

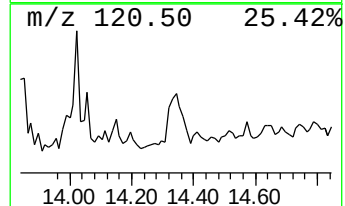
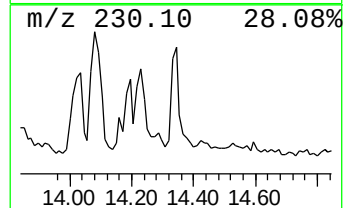
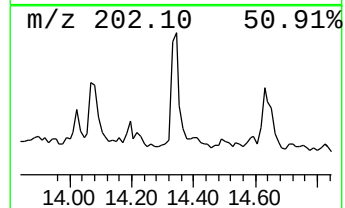
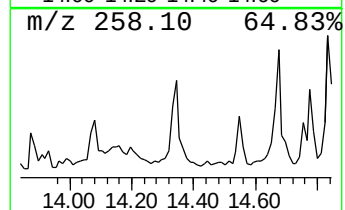
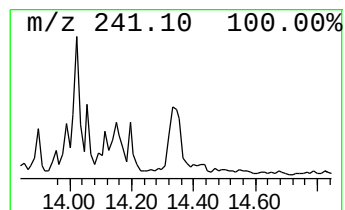
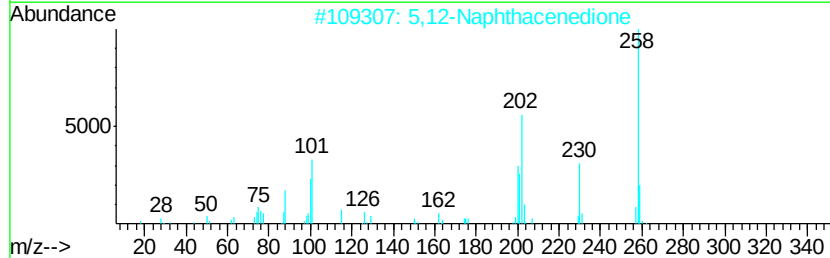
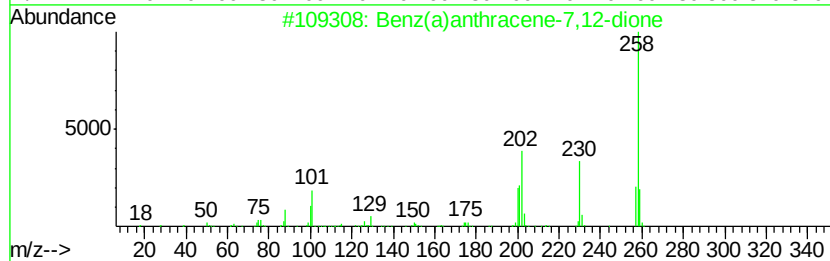
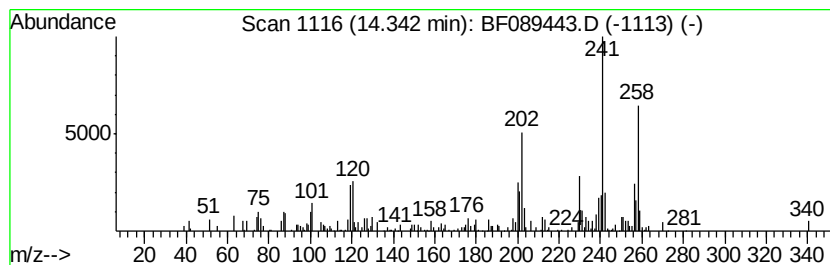
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benz(a)anthracene-7,12-dione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	13.57 ng	151836	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	84
2		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	84
3		Dibenzo(b,def)carbazole	241	C18H11N	104313-09-9	30
4		Bisphenol C	256	C17H20O2	000079-97-0	30
5		Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

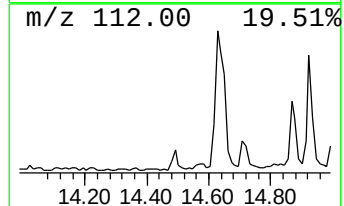
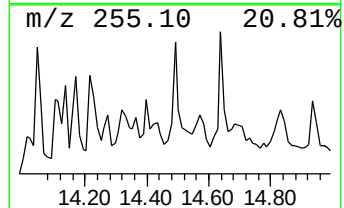
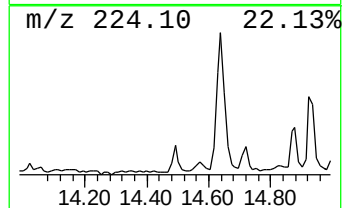
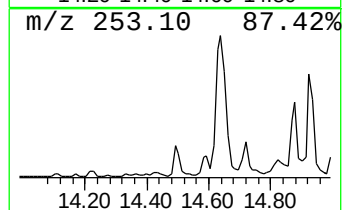
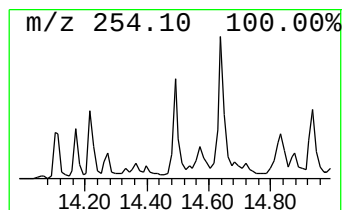
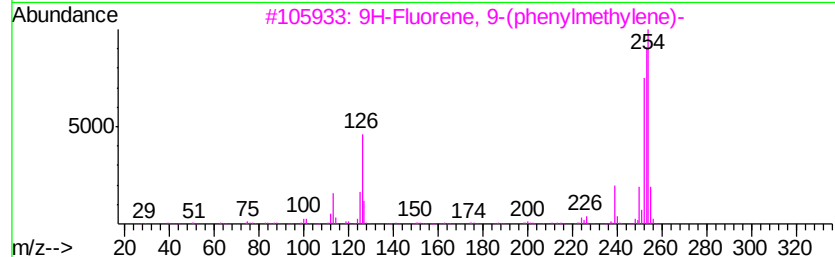
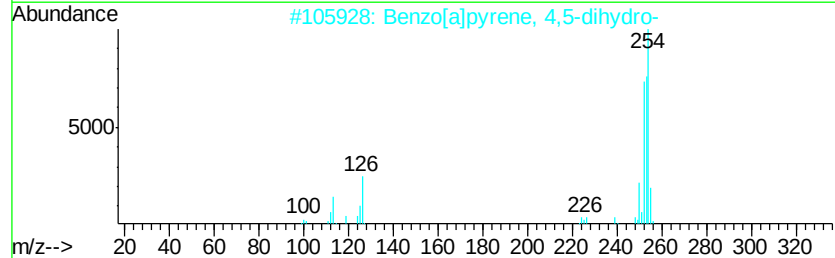
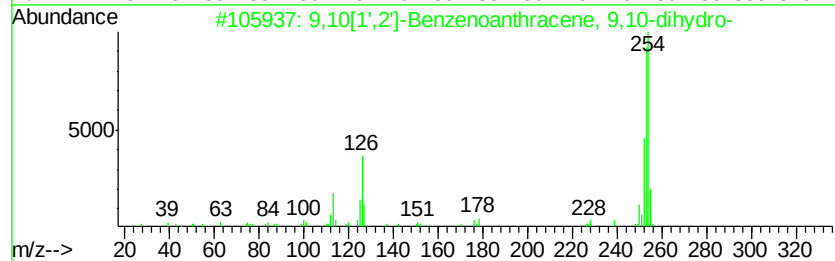
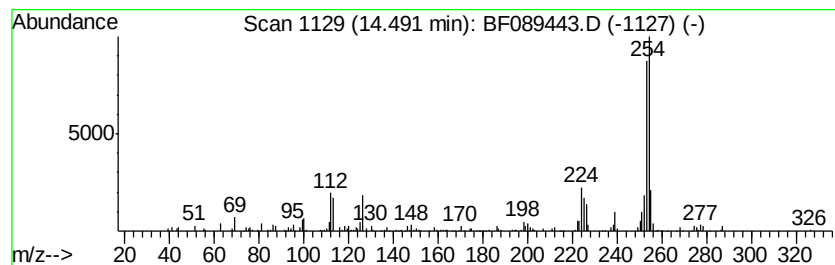
Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10[1',2']-Benzenoanthracene... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	10.26 ng	114803	Perylene-d12	14.98
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254 C20H14	000477-75-8	76
2	Benzo[a]pyrene, 4,5-dihydro-	254 C20H14	057652-66-1	72
3	9H-Fluorene, 9-(phenylmethylene)-	254 C20H14	001836-87-9	68
4	Anthracene, 9-phenyl-	254 C20H14	000602-55-1	64
5	1,1'-Binaphthalene	254 C20H14	000604-53-5	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

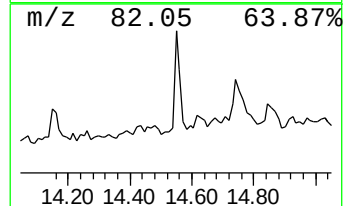
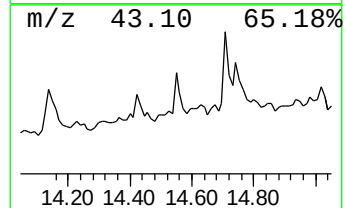
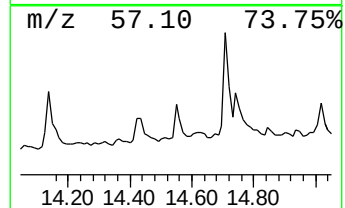
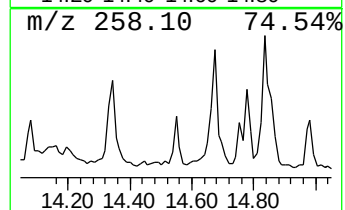
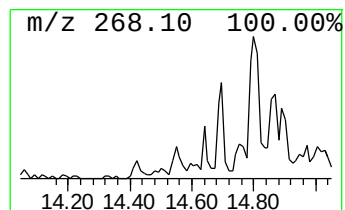
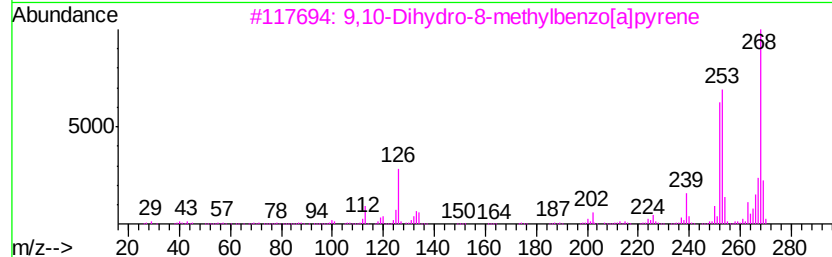
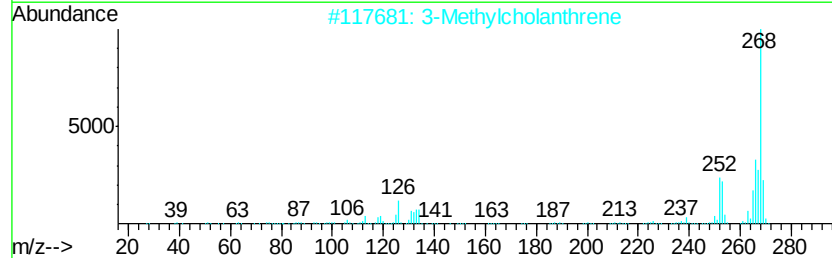
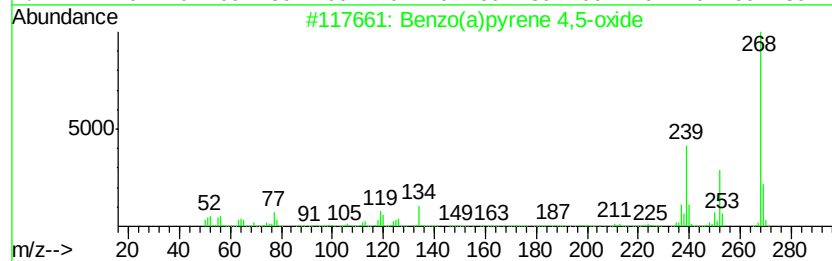
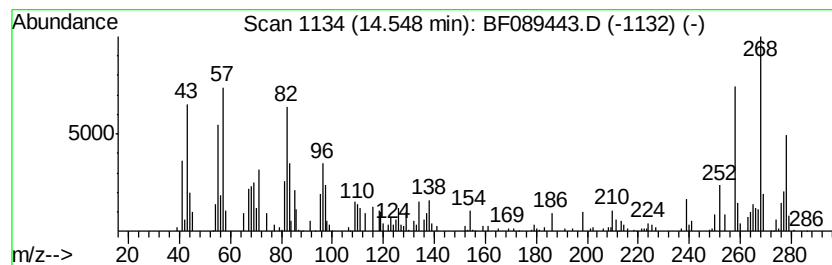
Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown14.55 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.55	5.07 ng	56740	Perylene-d12	14.98	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	30
2	3-Methylcholanthrene	268	C21H16	000056-49-5	30
3	9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	27
4	(+)-2-Methylcholanthrene	268	C21H16	1000126-56-1	25
5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

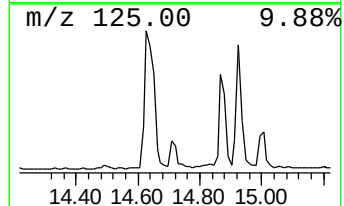
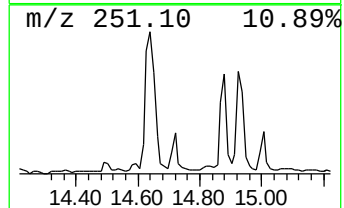
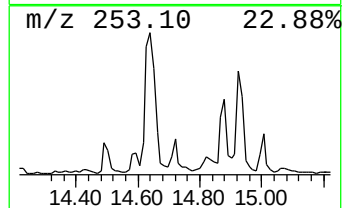
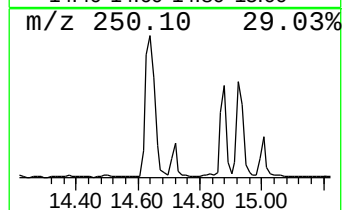
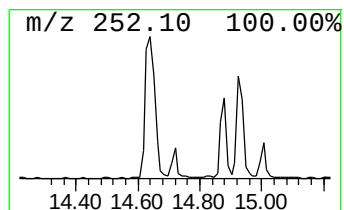
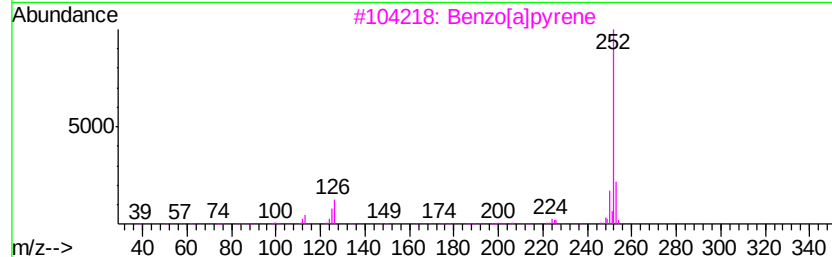
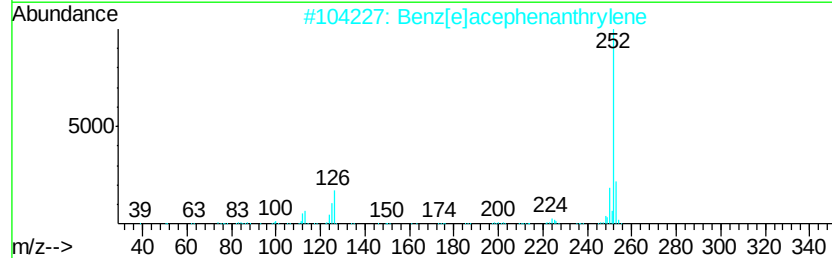
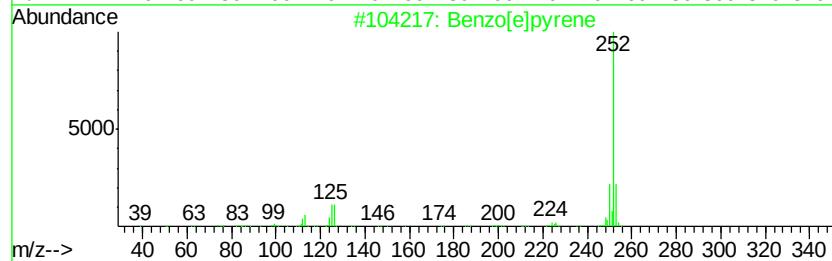
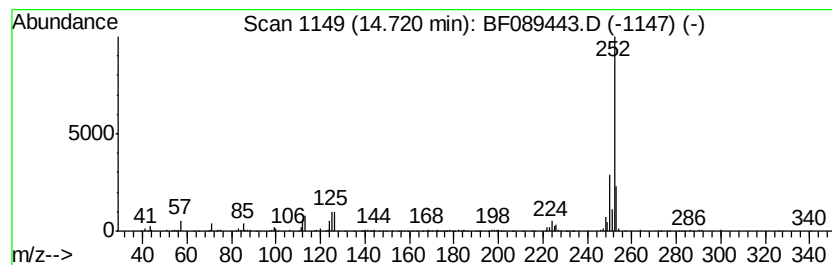
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	13.82 ng	154680	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[a]pyrene	252	C20H12	000050-32-8	90
4		Perylene	252	C20H12	000198-55-0	90
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

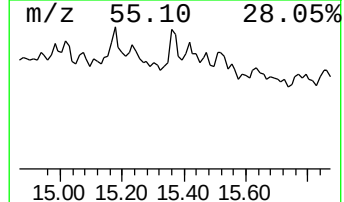
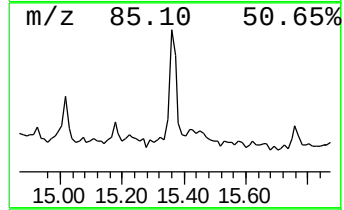
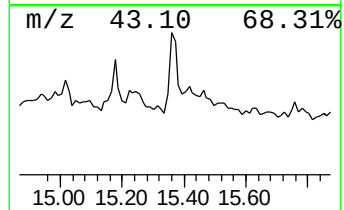
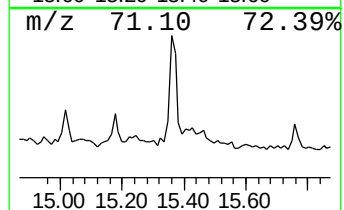
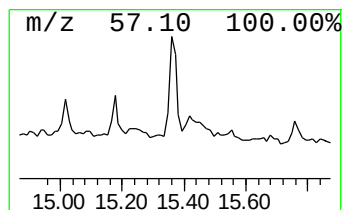
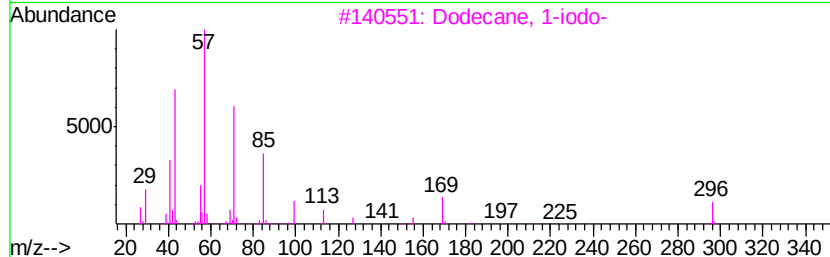
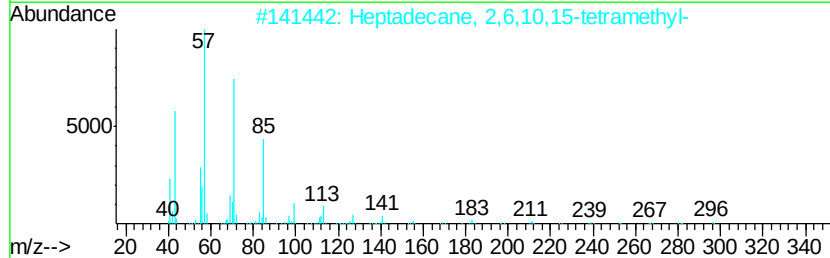
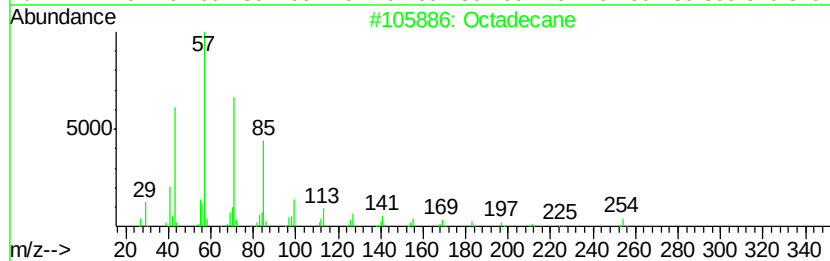
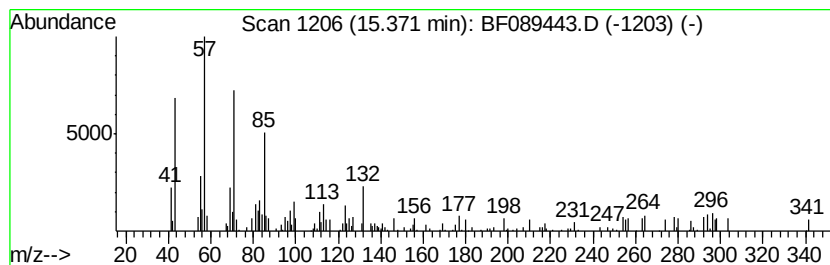
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	7.98 ng	89291	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane	254	C18H38	000593-45-3	70
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
3		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
4		Tetradecane	198	C14H30	000629-59-4	56
5		Phytol	296	C20H40O	000150-86-7	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

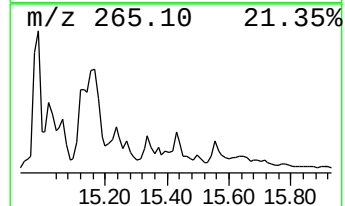
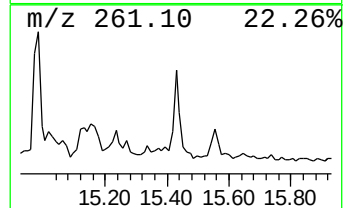
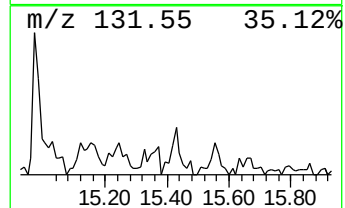
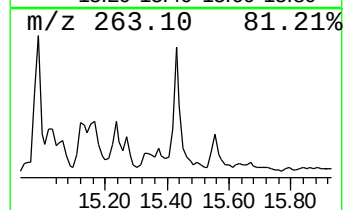
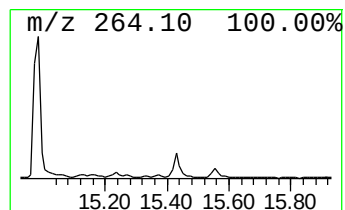
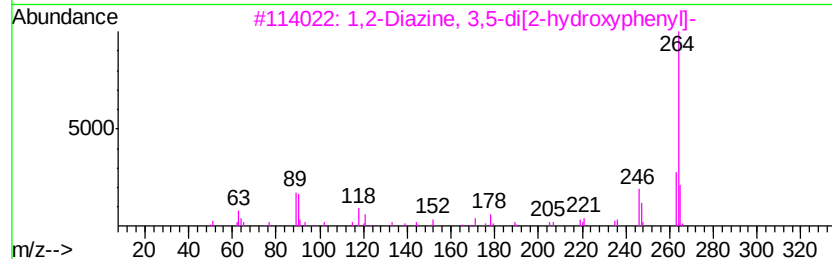
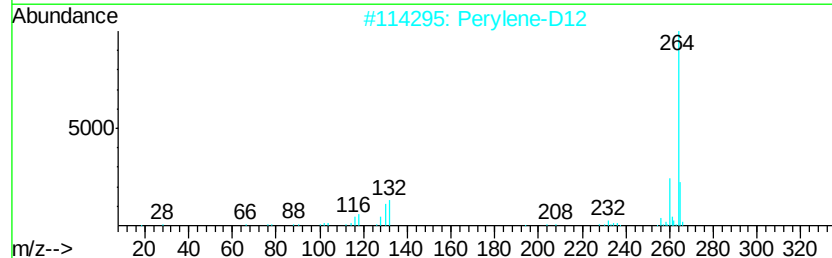
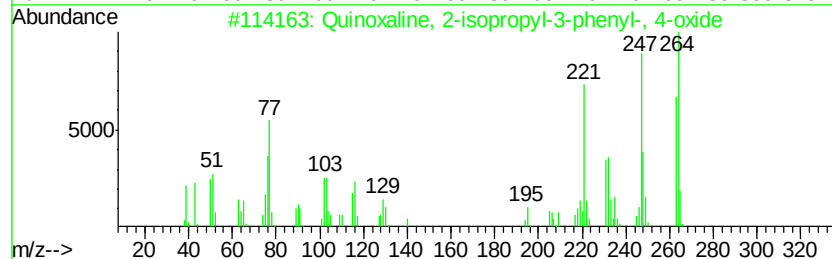
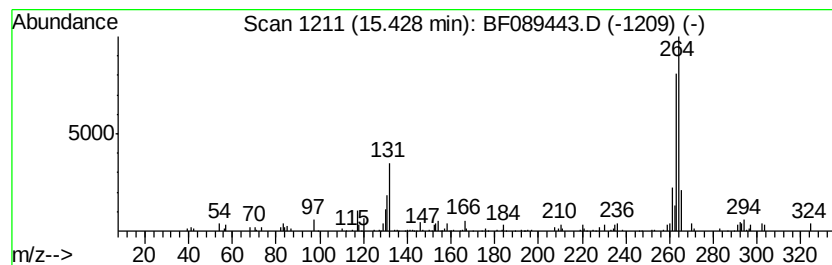
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown15.43 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	5.84 ng	65403	Perylene-d12	14.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Quinoxaline, 2-isopropyl-3-phenyl...	264	C17H16N2O	016007-79-7	40
2			Perylene-D12	264	C20D12	001520-96-3	27
3			1,2-Diazine, 3,5-di[2-hydroxyphe...	264	C16H12N2O2	122763-54-6	25
4			Pentan-2-one, 4-(2-fluorenylimino)-	263	C18H17NO	050651-58-6	25
5			2-Oxo-6-phenyl-4-(2-hydroxypheny...	264	C16H12N2O2	017432-82-5	23



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

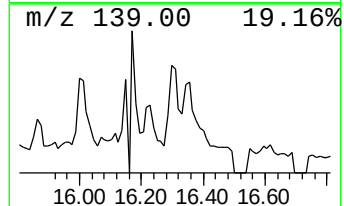
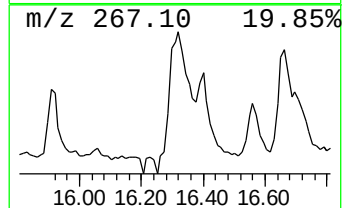
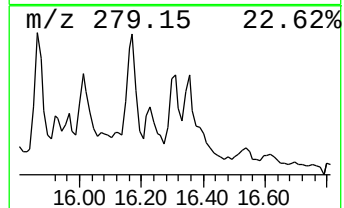
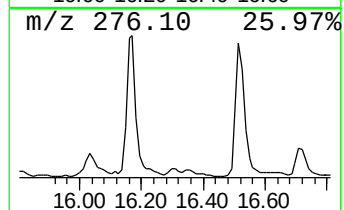
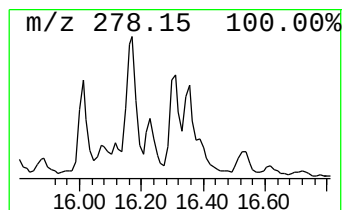
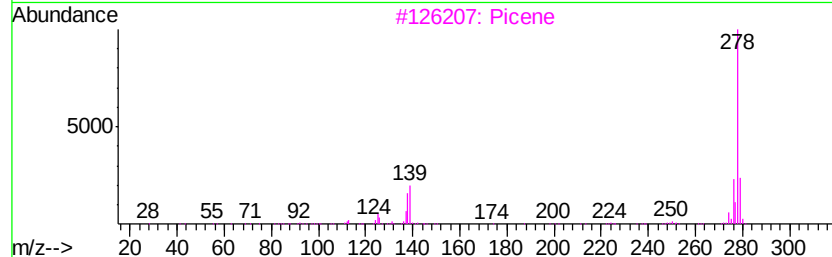
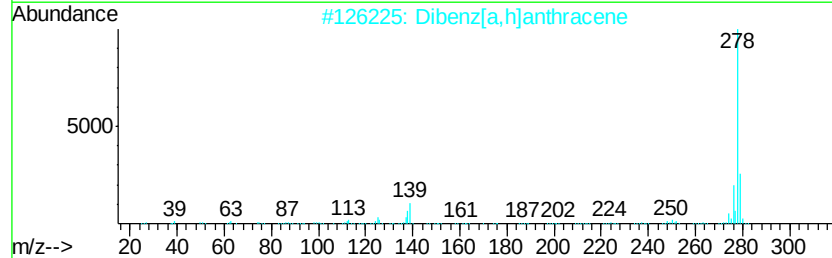
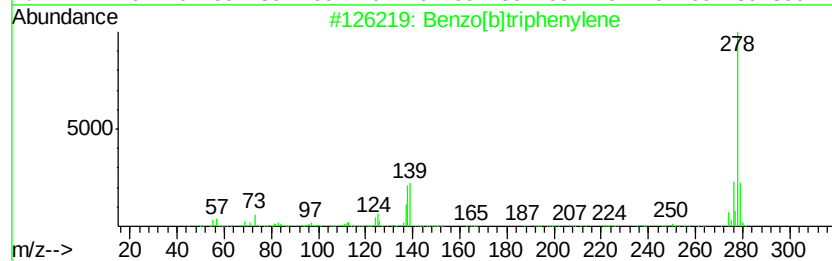
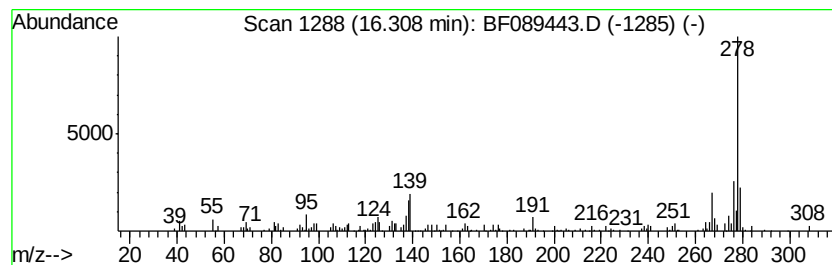
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	11.57 ng	129487	Perylene-d12	14.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	92
3			Picene	278	C22H14	000213-46-7	92
4			Benzo[a]naphthacene	278	C22H14	000226-88-0	86
5			Benzo[b]chrysene	278	C22H14	000214-17-5	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

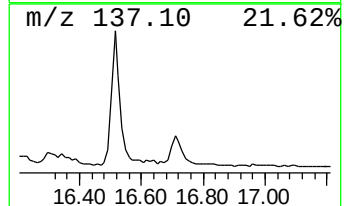
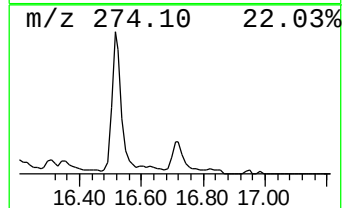
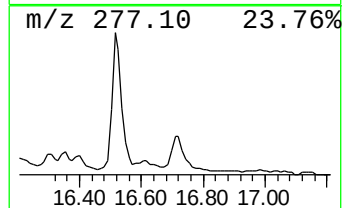
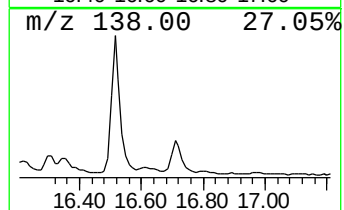
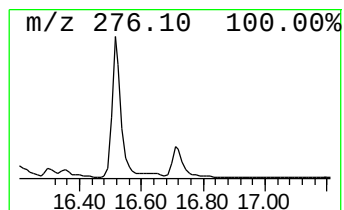
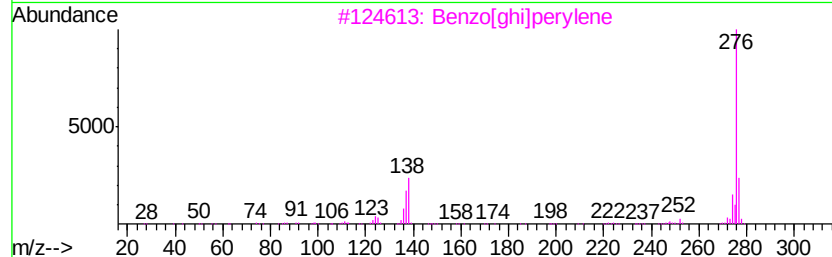
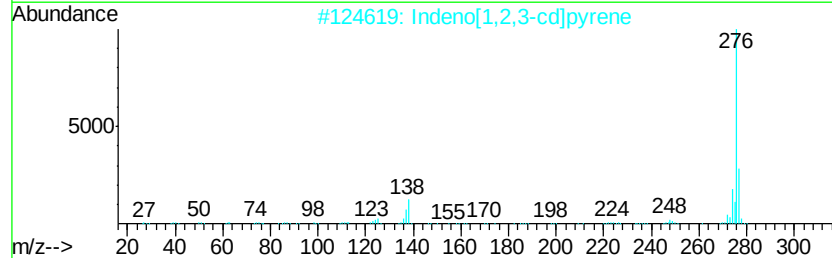
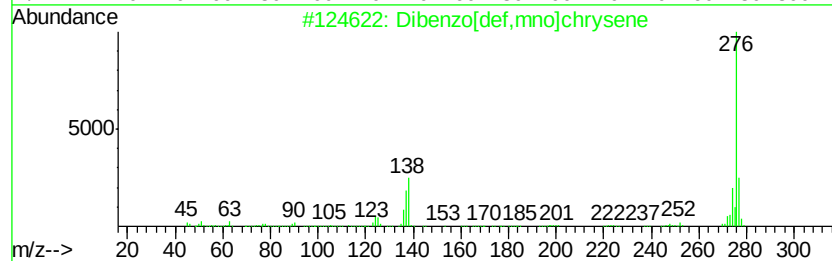
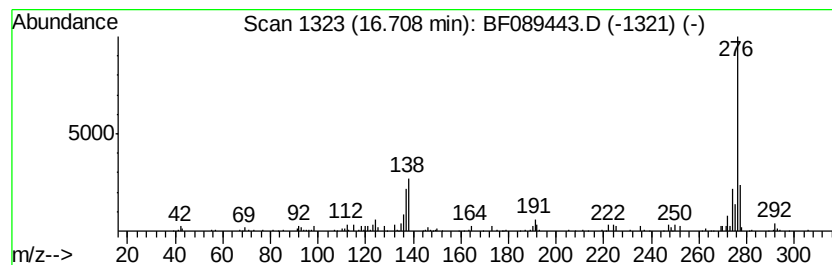
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	11.66 ng	130458	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	90
2		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
3		Benzo[ghi]perylene	276	C22H12	000191-24-2	90
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	50
5		1H-Cyclopenta[4,5]pyrido[1,2-a]b...	276	C17H16N4	329707-31-5	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

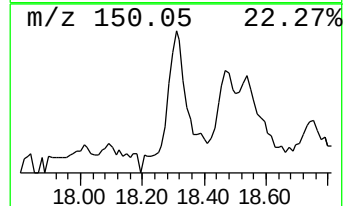
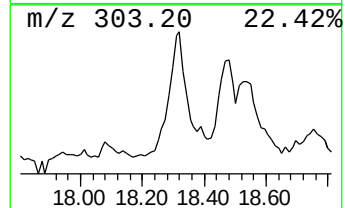
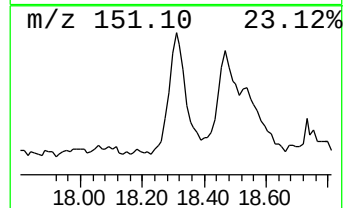
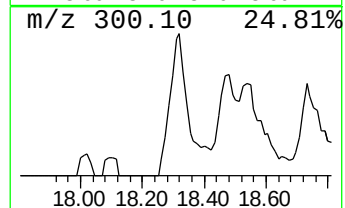
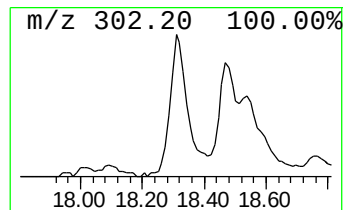
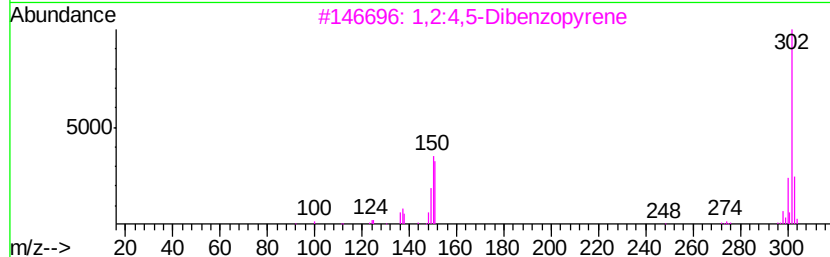
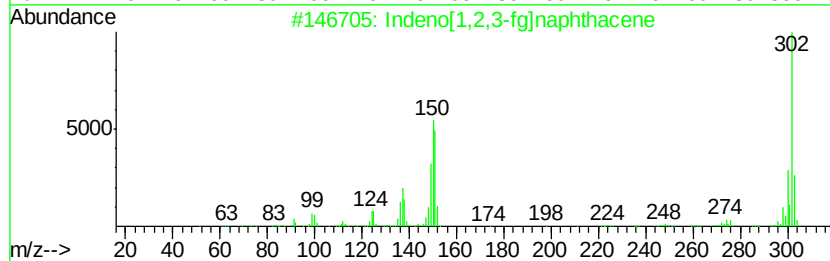
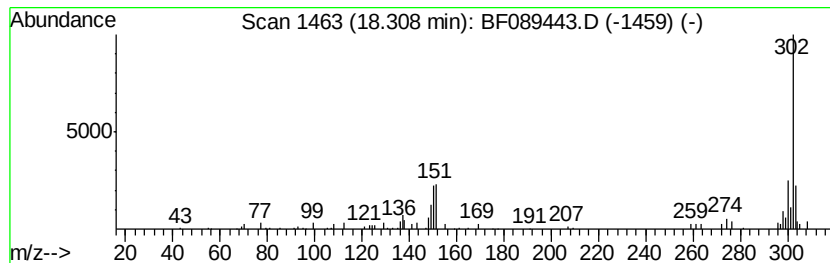
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Indeno[1,2,3-fg]naphthacene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	12.51 ng	139980	Perylene-d12	14.98

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	96
2		Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
4		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	92
5		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
Data File : BF089443.D
Acq On : 30 Jul 2016 8:10
Operator : UM/SJ
Sample : H4215-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

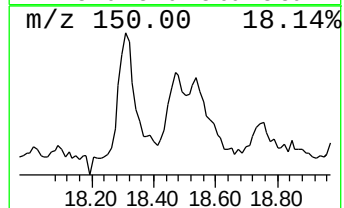
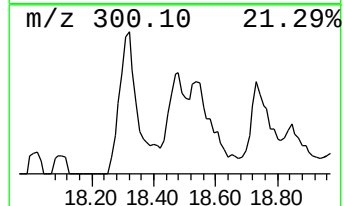
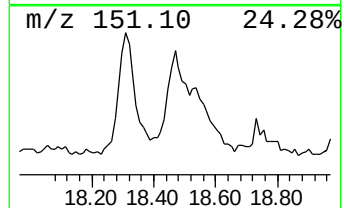
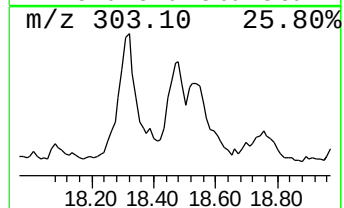
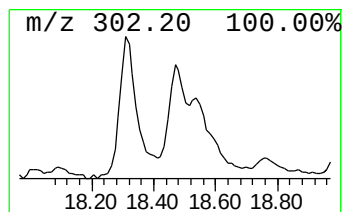
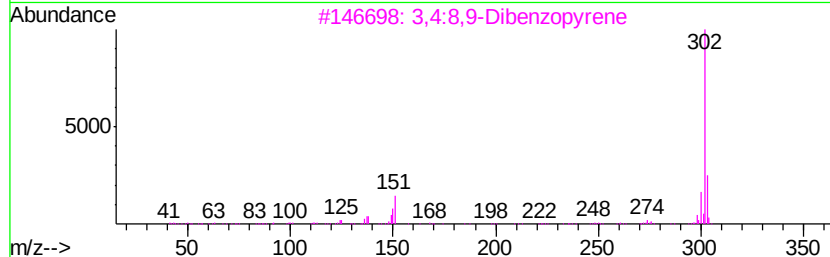
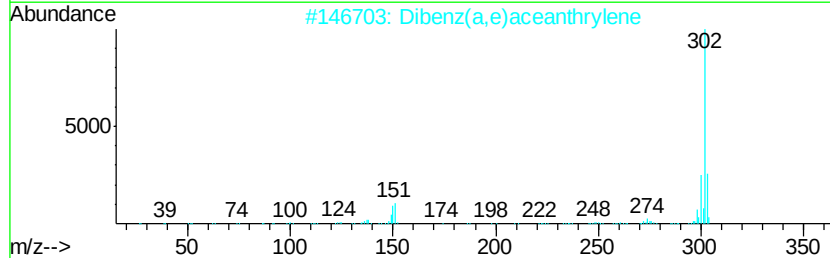
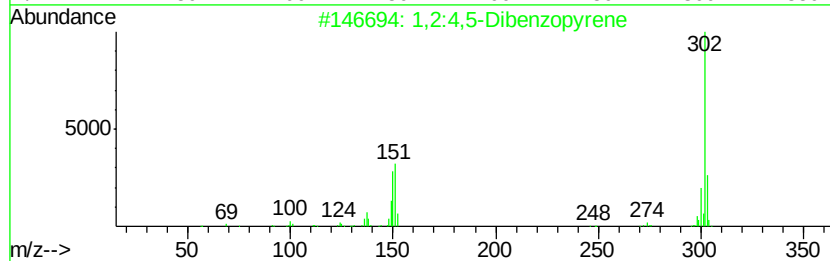
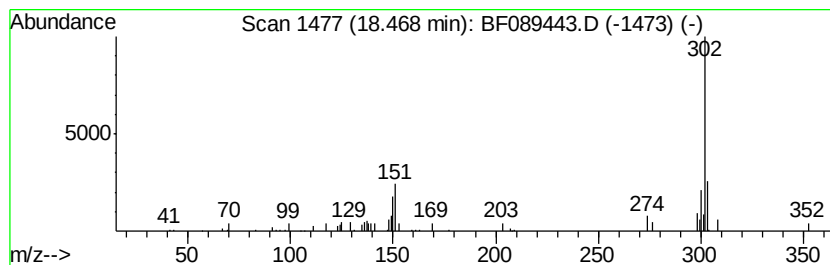
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	6.68 ng	74758	Perylene-d12	14.98

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	76
2			Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	76
3			3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	76
4			Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	68
5			Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073016\
 Data File : BF089443.D
 Acq On : 30 Jul 2016 8:10
 Operator : UM/SJ
 Sample : H4215-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.59	21.3	ng	272848	1	6.51	256271	20.0
unknown6.28	6.28	60.6	ng	776104	1	6.51	256271	20.0
Phenanthrene, 2-m...	11.54	6.0	ng	103050	4	11.02	343781	20.0
4H-Cyclopenta[def...	11.62	16.8	ng	289218	4	11.02	343781	20.0
Naphthalene, 2-ph...	11.80	5.0	ng	85353	4	11.02	343781	20.0
Cyclopenta(def)ph...	12.15	9.7	ng	166696	4	11.02	343781	20.0
1,1'-Biphenyl, 2,...	12.32	7.5	ng	128970	4	11.02	343781	20.0
Benz(a)anthracene...	14.34	13.6	ng	151836	6	14.98	223821	20.0
9,10[1',2']-Benze...	14.49	10.3	ng	114803	6	14.98	223821	20.0
unknown14.55	14.55	5.1	ng	56740	6	14.98	223821	20.0
Benzo[e]pyrene	14.72	13.8	ng	154680	6	14.98	223821	20.0
Octadecane	15.37	8.0	ng	89291	6	14.98	223821	20.0
unknown15.43	15.43	5.8	ng	65403	6	14.98	223821	20.0
Benzo[b]triphenylene	16.31	11.6	ng	129487	6	14.98	223821	20.0
Dibenzo[def,mno]c...	16.71	11.7	ng	130458	6	14.98	223821	20.0
Indeno[1,2,3-fg]n...	18.31	12.5	ng	139980	6	14.98	223821	20.0
1,2:4,5-Dibenzopy...	18.47	6.7	ng	74758	6	14.98	223821	20.0