

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
 Data File : BF086914.D
 Acq On : 12 May 2016 3:51
 Operator : UM/SJ
 Sample : H2965-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-16(6.5-7)

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-BF050916.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.633	3	4	13	rVB	798711	1400299	16.07%	1.979%
2	1.747	13	14	57	rVB	3856514	8712871	100.00%	12.311%
3	4.787	278	280	287	rBV	119753	225411	2.59%	0.319%
4	5.233	316	319	321	rBV	2641533	3457496	39.68%	4.885%
5	6.296	410	412	415	rBV	2754262	3072700	35.27%	4.342%
6	6.410	419	422	424	rBV	2985740	3490042	40.06%	4.931%
7	6.627	439	441	444	rBV	731683	864306	9.92%	1.221%
8	6.787	453	455	458	rBV	2889435	2545164	29.21%	3.596%
9	7.210	489	492	494	rBV	1928963	2381828	27.34%	3.366%
10	7.919	552	554	558	rBV2	1227250	1636878	18.79%	2.313%
11	8.628	614	616	619	rBV	162981	197902	2.27%	0.280%
12	8.730	623	625	627	rBV	207772	178226	2.05%	0.252%
13	9.005	646	649	651	rBV	2094098	2651151	30.43%	3.746%
14	9.096	654	657	659	rBV2	79461	113409	1.30%	0.160%
15	9.256	668	671	674	rBV	72828	104175	1.20%	0.147%
16	9.336	675	678	679	rBV	117770	186333	2.14%	0.263%
17	9.405	682	684	685	rBV	200127	247888	2.85%	0.350%
18	9.451	685	688	691	rVB3	60249	122541	1.41%	0.173%
19	9.531	691	695	697	rVB	180355	158767	1.82%	0.224%
20	9.611	700	702	704	rBV	152711	155409	1.78%	0.220%
21	9.668	704	707	709	rBV	1065489	1044493	11.99%	1.476%
22	9.702	709	710	712	rVB	425200	319602	3.67%	0.452%
23	9.873	723	725	727	rVV	371499	336389	3.86%	0.475%
24	9.908	727	728	732	rVB3	57184	113304	1.30%	0.160%
25	10.079	740	743	744	rBV2	59443	96883	1.11%	0.137%
26	10.113	744	746	748	rVV	271207	225261	2.59%	0.318%
27	10.216	753	755	757	rVV	313099	355977	4.09%	0.503%
28	10.274	757	760	761	rVV	51531	89182	1.02%	0.126%
29	10.331	763	765	767	rVV2	88982	162496	1.87%	0.230%
30	10.376	767	769	771	rVB	130421	169538	1.95%	0.240%
31	10.456	773	776	778	rVV	1869283	1778680	20.41%	2.513%
32	10.582	785	787	791	rVB	252787	271414	3.12%	0.384%
33	10.754	797	802	806	rBV4	84410	257591	2.96%	0.364%
34	10.891	811	814	818	rBV3	96831	261841	3.01%	0.370%

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35	10.959	818	820	822	rVB	201746	202798	2.33%	0.287%
36	11.005	822	824	825	rBV	130252	150561	1.73%	0.213%
37	11.039	825	827	831	rVB2	240155	341791	3.92%	0.483%
38	11.176	834	839	840	rBV2	3145671	3930895	45.12%	5.554%
39	11.222	840	843	845	rVV	742437	709329	8.14%	1.002%
40	11.256	845	846	849	rVB	95984	93165	1.07%	0.132%
41	11.382	854	857	861	rBV2	293215	484130	5.56%	0.684%
42	11.451	861	863	864	rBV2	85677	115256	1.32%	0.163%
43	11.645	878	880	881	rBV	405533	374739	4.30%	0.530%
44	11.679	881	883	885	rVV	357240	428900	4.92%	0.606%
45	11.725	885	887	888	rVB	172527	174128	2.00%	0.246%
46	11.759	888	890	895	rVB2	526421	885695	10.17%	1.251%
47	11.839	895	897	898	rBV2	59669	112692	1.29%	0.159%
48	11.942	904	906	907	rBV	280287	210068	2.41%	0.297%
49	11.965	907	908	910	rVB	239537	270980	3.11%	0.383%
50	12.091	916	919	921	rBV2	107520	174621	2.00%	0.247%
51	12.194	925	928	929	rBV	209847	230688	2.65%	0.326%
52	12.228	929	931	934	rVB3	123651	252416	2.90%	0.357%
53	12.285	934	936	940	rVB	209085	249566	2.86%	0.353%
54	12.354	940	942	945	rBV	2547521	3005056	34.49%	4.246%
55	12.422	945	948	949	rBV2	76877	140177	1.61%	0.198%
56	12.502	952	955	957	rBV2	208055	288572	3.31%	0.408%
57	12.582	959	962	964	rBV	2782600	3142111	36.06%	4.440%
58	12.628	964	966	970	rVB3	185791	291976	3.35%	0.413%
59	12.697	970	972	973	rBV	188633	229196	2.63%	0.324%
60	12.731	973	975	978	rVB	2219956	2113793	24.26%	2.987%
61	12.799	978	981	983	rBV2	219373	388289	4.46%	0.549%
62	12.902	986	990	992	rVB2	310278	688721	7.90%	0.973%
63	12.971	995	996	998	rBV	196787	210821	2.42%	0.298%
64	13.005	998	999	1003	rVB2	277385	421799	4.84%	0.596%
65	13.097	1006	1007	1009	rVB	138278	168695	1.94%	0.238%
66	13.131	1009	1010	1014	rVB2	224434	250525	2.88%	0.354%
67	13.337	1021	1028	1031	rBV4	99452	379151	4.35%	0.536%
68	13.417	1033	1035	1039	rVB	273623	278176	3.19%	0.393%
69	13.520	1042	1044	1046	rBV	261872	409470	4.70%	0.579%
70	13.554	1046	1047	1048	rVV	163732	128733	1.48%	0.182%
71	13.577	1048	1049	1052	rVB3	150178	250090	2.87%	0.353%

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Sampling : 1 Min Area: 3 % of largest Peak
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72	13.622	1052	1053	1057	rBV2	228515	425621	4.88%	0.601%
73	13.691	1057	1059	1062	rVB	72107	114673	1.32%	0.162%
74	13.771	1063	1066	1068	rBV2	1569376	2760175	31.68%	3.900%
75	13.805	1068	1069	1071	rVV	1227365	901661	10.35%	1.274%
76	13.874	1073	1075	1077	rBV2	156978	185582	2.13%	0.262%
77	13.954	1077	1082	1083	rBV3	65683	181691	2.09%	0.257%
78	14.160	1098	1100	1102	rVV	291262	337837	3.88%	0.477%
79	14.194	1102	1103	1104	rVV	151189	159519	1.83%	0.225%
80	14.228	1104	1106	1109	rVV2	239186	476829	5.47%	0.674%
81	14.285	1109	1111	1114	rVB3	130027	210091	2.41%	0.297%
82	14.468	1125	1127	1132	rVV4	95094	217055	2.49%	0.307%
83	14.628	1138	1141	1145	rBV3	107681	260375	2.99%	0.368%
84	14.777	1151	1154	1158	rBV	874687	1763060	20.24%	2.491%
85	14.868	1160	1162	1163	rVB	112932	151298	1.74%	0.214%
86	15.028	1174	1176	1179	rVB	472535	621585	7.13%	0.878%
87	15.085	1179	1181	1183	rBV	800075	828424	9.51%	1.171%
88	15.143	1183	1186	1187	rBV	417830	536830	6.16%	0.759%
89	16.388	1293	1295	1300	rVB	256243	479069	5.50%	0.677%
90	16.537	1306	1308	1310	rBV	55327	112119	1.29%	0.158%
91	16.766	1326	1328	1336	rVB	178340	373993	4.29%	0.528%
92	18.114	1444	1446	1449	rBV4	81696	110727	1.27%	0.156%

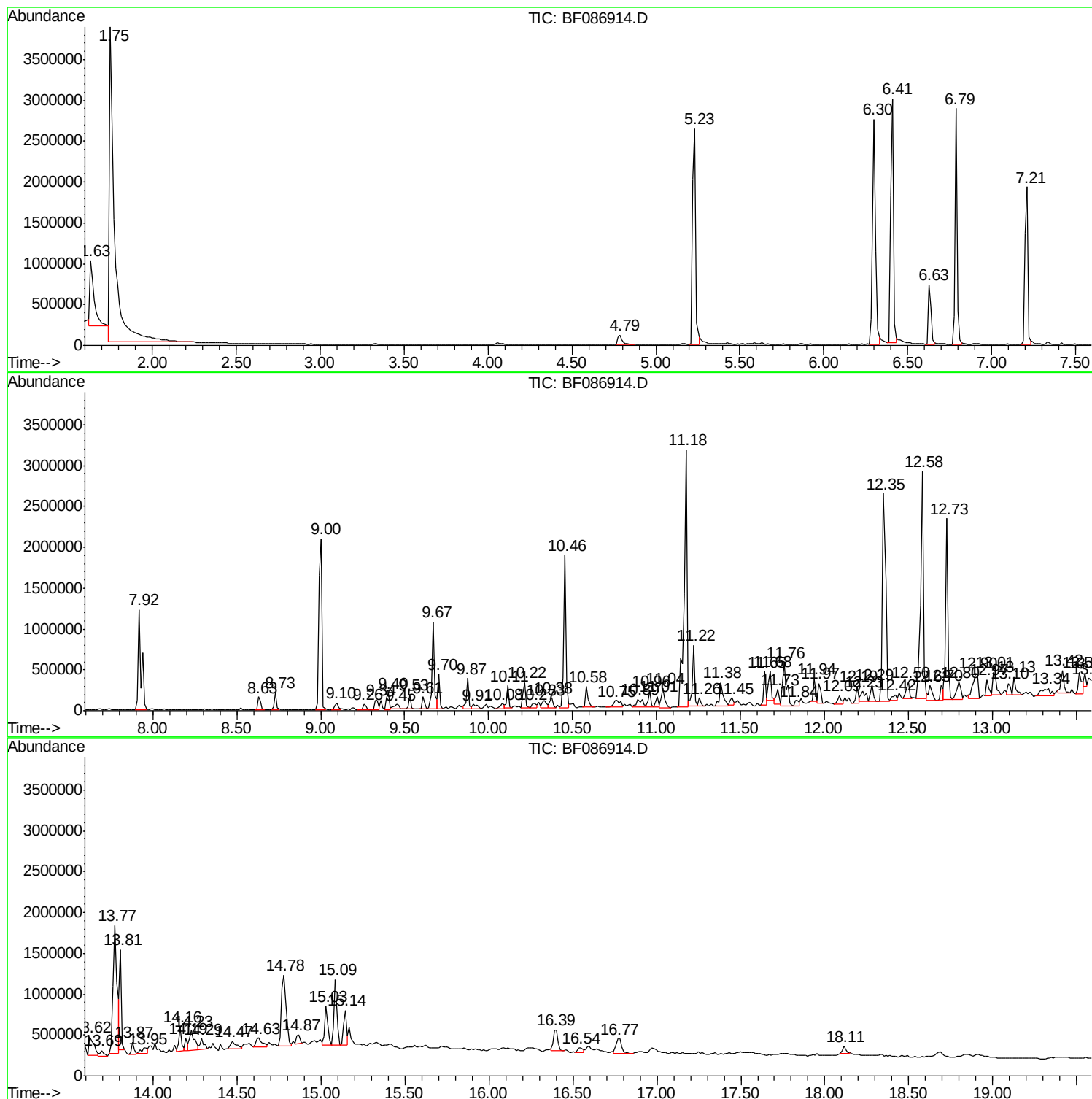
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Instrument :
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E-16(6.5-7)

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

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



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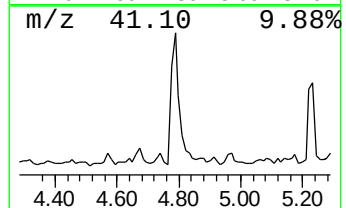
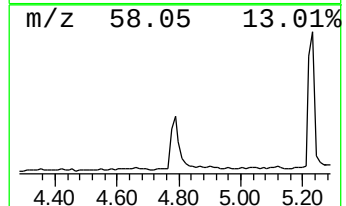
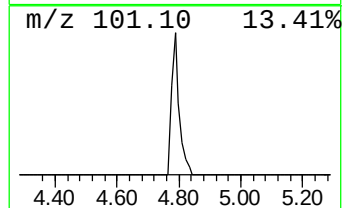
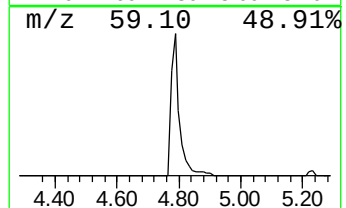
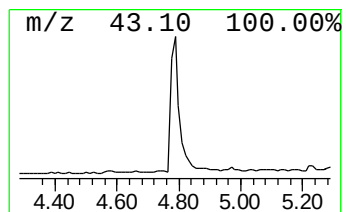
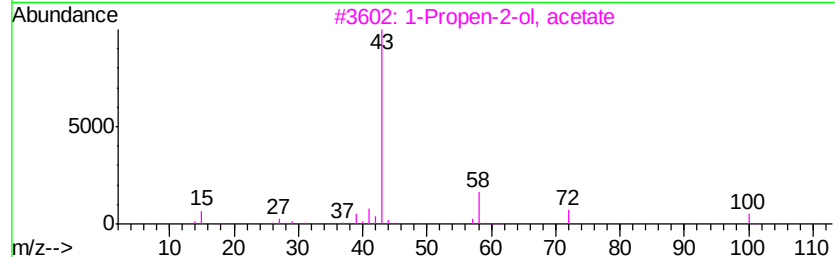
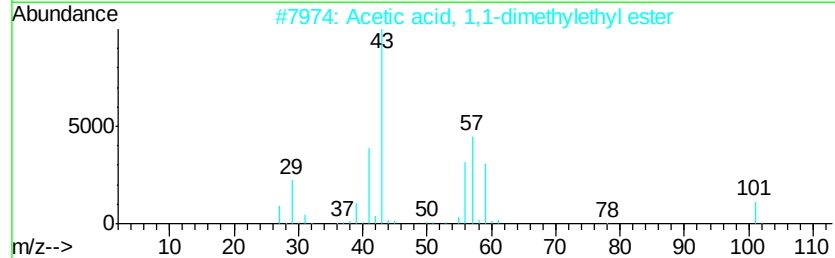
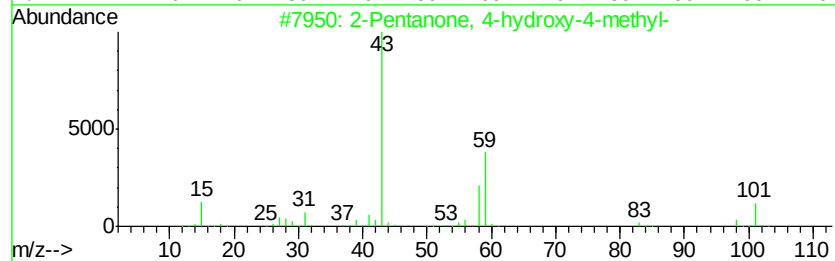
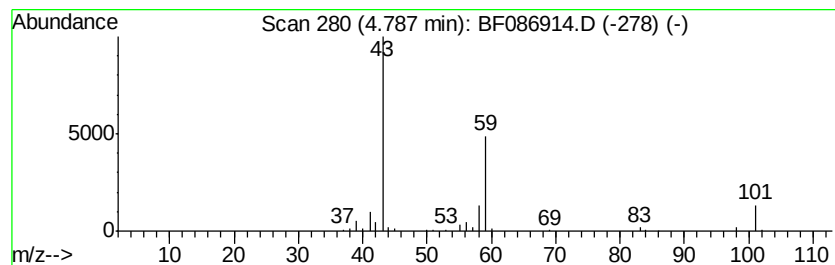
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.79	5.22 ng	225411	1,4-Dichlorobenzene-d4	6.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4			Diacetamide	101	C4H7NO2	000625-77-4	9
5			Acetic acid, 2-propenyl ester	100	C5H8O2	000591-87-7	9



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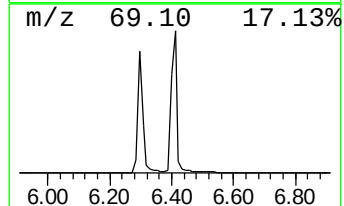
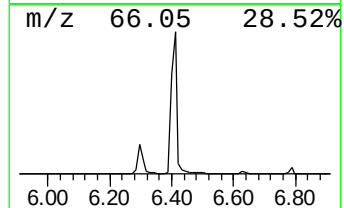
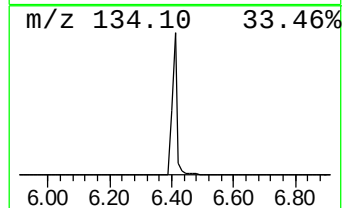
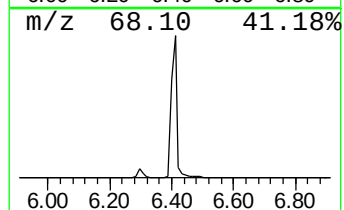
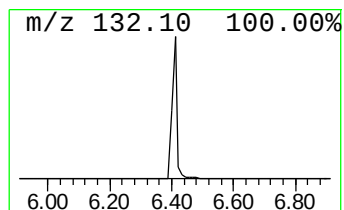
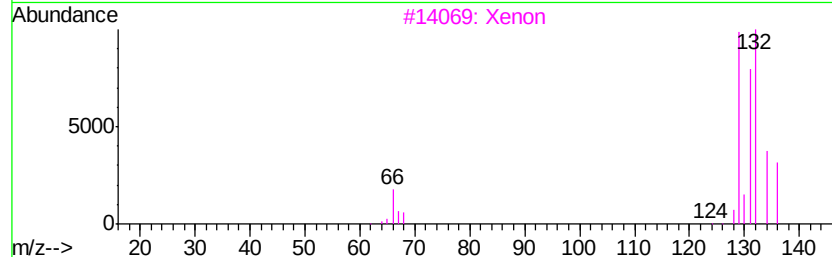
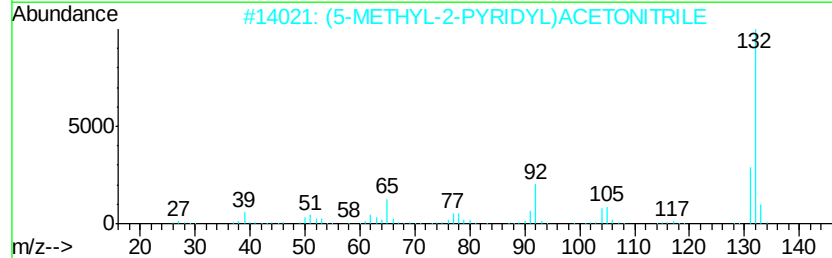
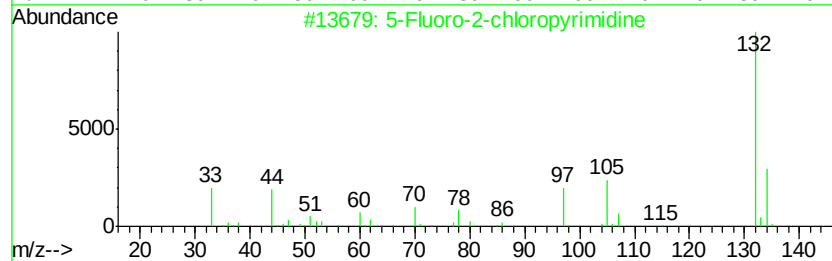
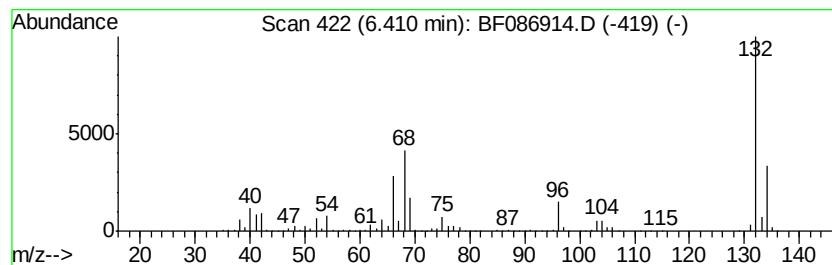
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 unknown6.41 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	80.76 ng	3490040	1,4-Dichlorobenzene-d4	6.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
3		Xenon	132	Xe	007440-63-3	9
4		Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
5		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9



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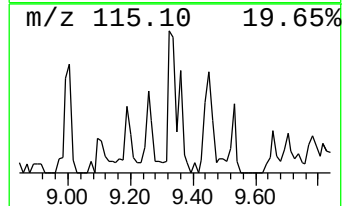
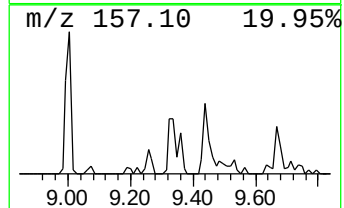
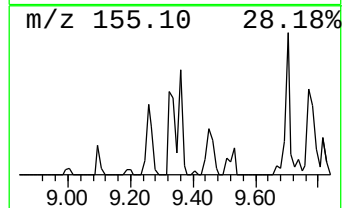
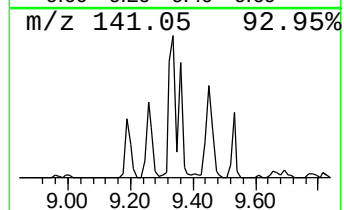
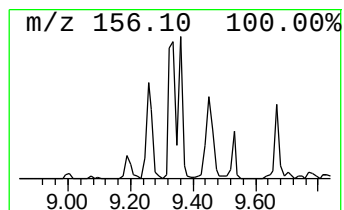
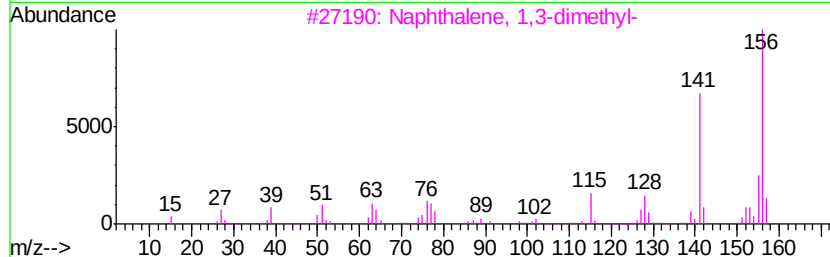
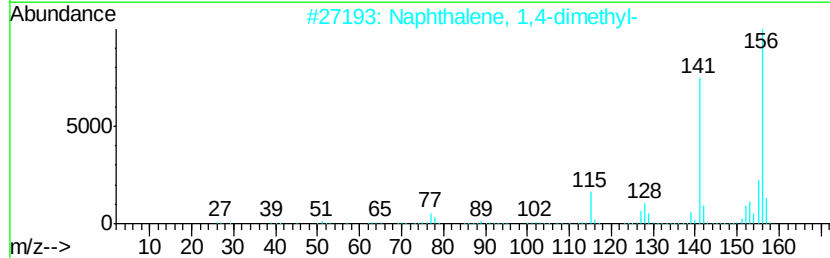
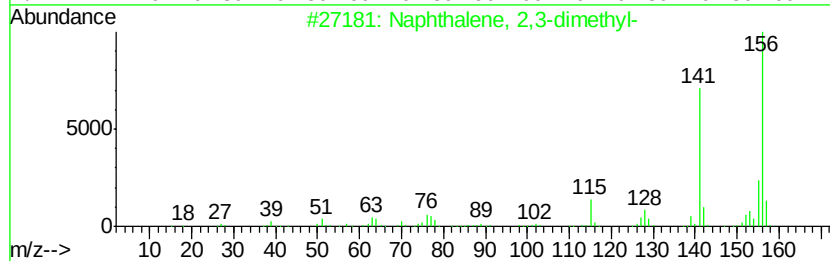
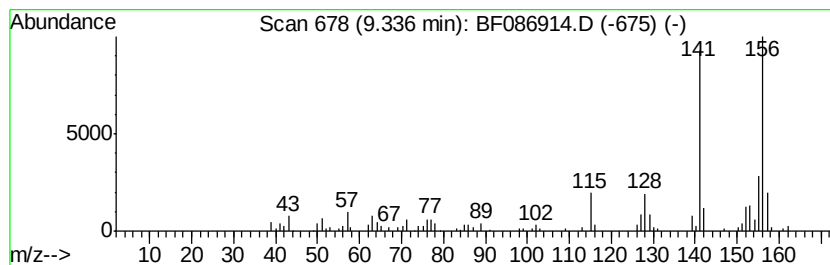
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	3.57 ng	186333	Acenaphthene-d10	9.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
2		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94



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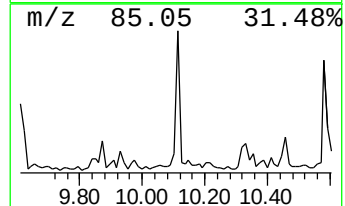
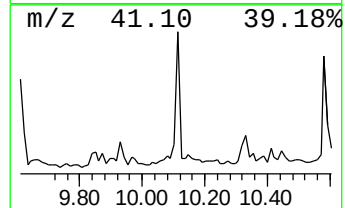
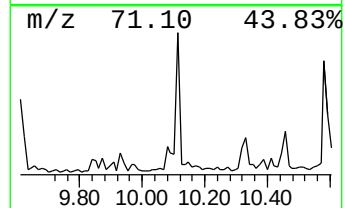
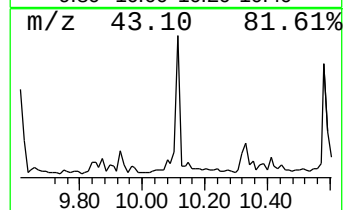
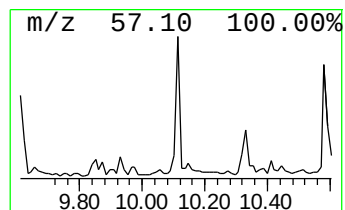
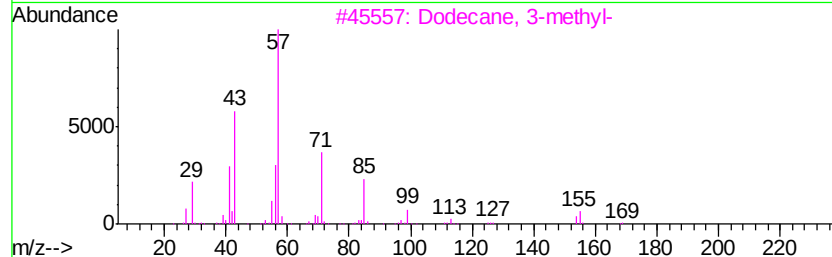
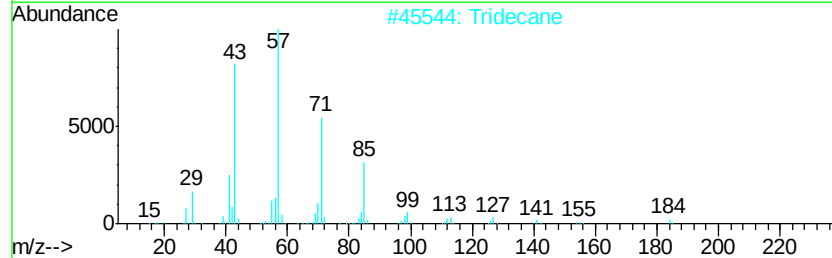
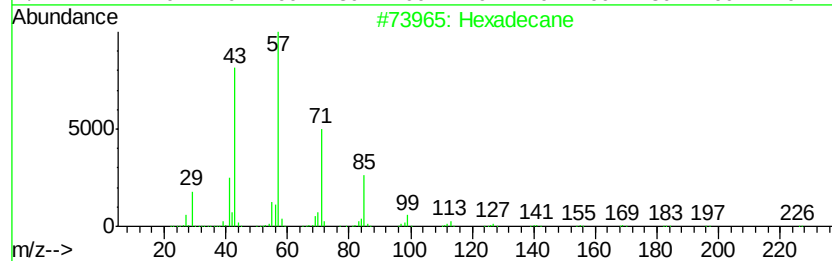
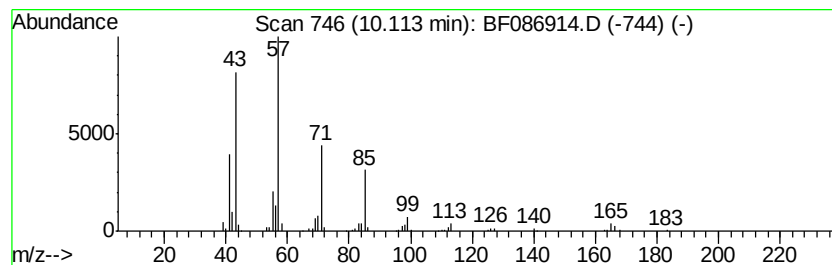
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ClientSampleId :
E-16(6.5-7)

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

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

Peak Number 7 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.11	4.31 ng	225261	Acenaphthene-d10		9.67
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Tridecane	184	C13H28	000629-50-5	86
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
4	Tetradecane	198	C14H30	000629-59-4	59
5	Tetratetracontane	619	C44H90	007098-22-8	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
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Acq On : 12 May 2016 3:51
Operator : UM/SJ
Sample : H2965-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

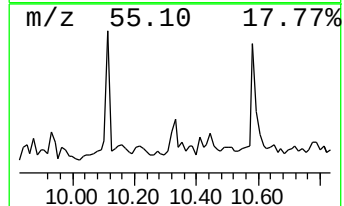
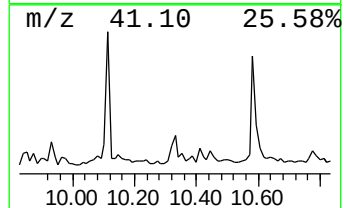
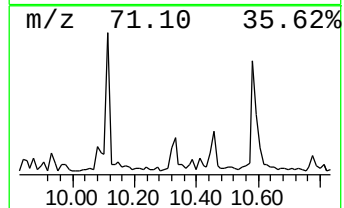
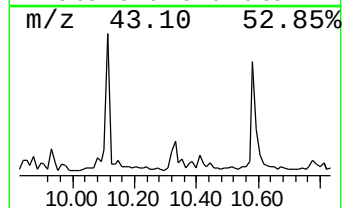
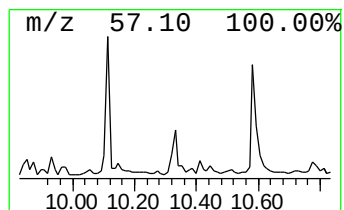
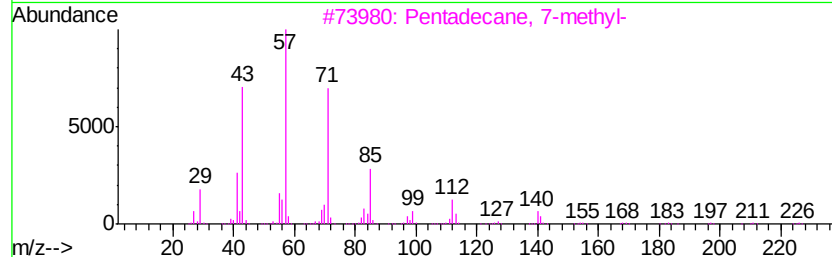
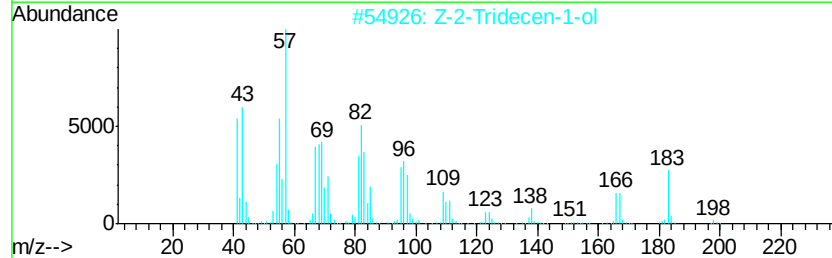
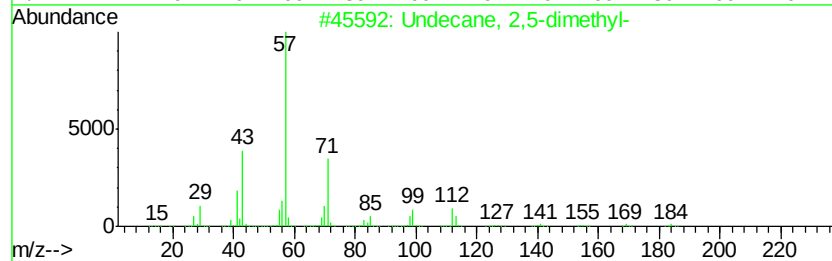
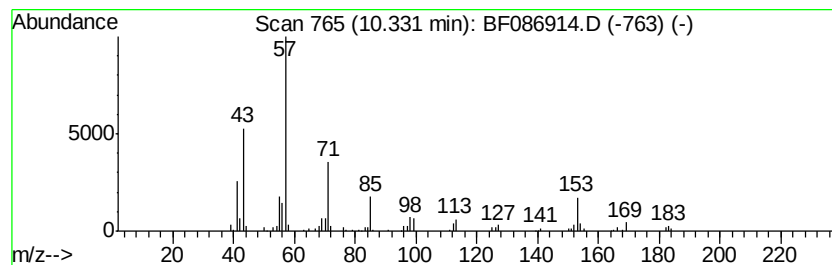
Instrument :
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ClientSampleId :
E-16(6.5-7)

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

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

Peak Number 8 Undecane, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	3.11 ng	162496	Acenaphthene-d10	9.67
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane, 2,5-dimethyl-	184 C13H28	017301-22-3	60
2	Z-2-Tridecen-1-ol	198 C13H26O	1000130-75-8	53
3	Pentadecane, 7-methyl-	226 C16H34	006165-40-8	50
4	Undecane, 2,6-dimethyl-	184 C13H28	017301-23-4	49
5	Decane, 2,5,9-trimethyl-	184 C13H28	062108-22-9	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086914.D
Acq On : 12 May 2016 3:51
Operator : UM/SJ
Sample : H2965-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-16(6.5-7)

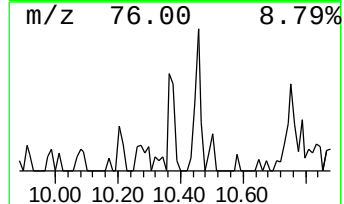
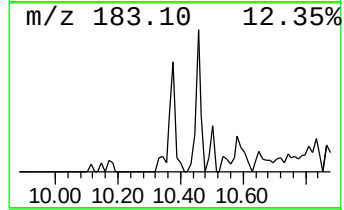
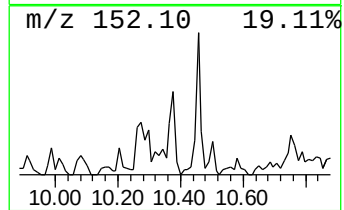
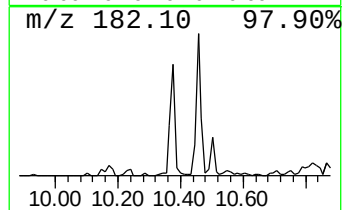
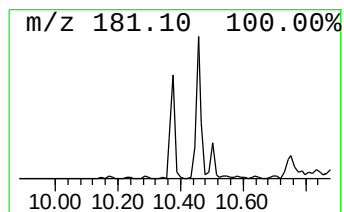
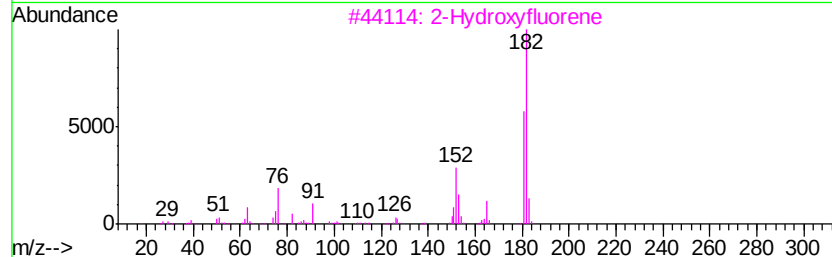
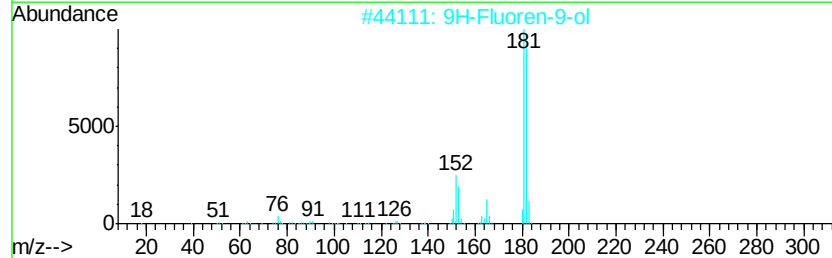
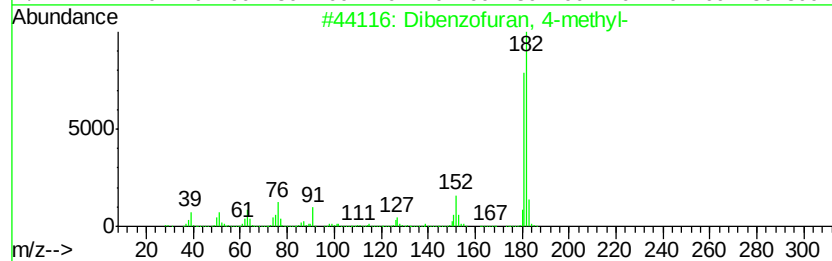
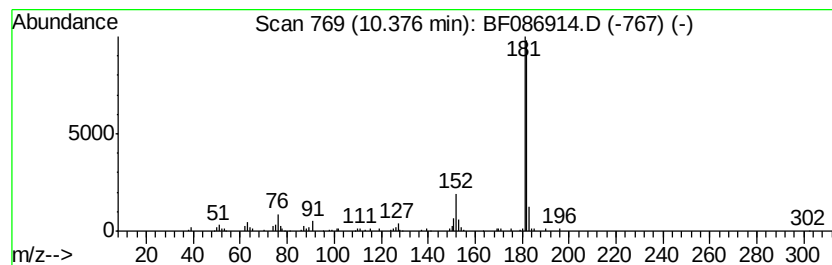
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Dibenzofuran, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	3.25 ng	169538	Acenaphthene-d10	9.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3		2-Hydroxyfluorene	182	C13H10O	002443-58-5	59
4		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	58
5		9H-Xanthene	182	C13H10O	000092-83-1	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086914.D
Acq On : 12 May 2016 3:51
Operator : UM/SJ
Sample : H2965-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

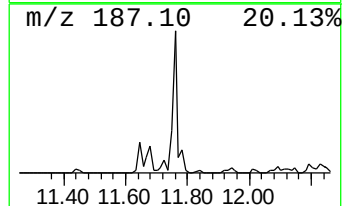
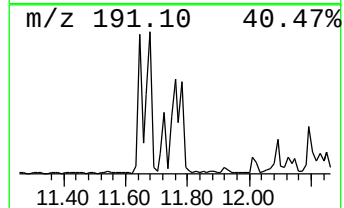
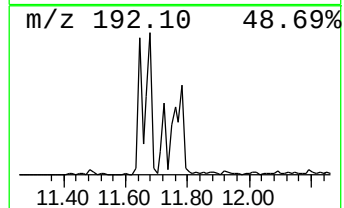
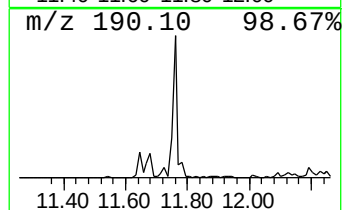
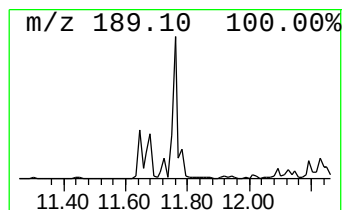
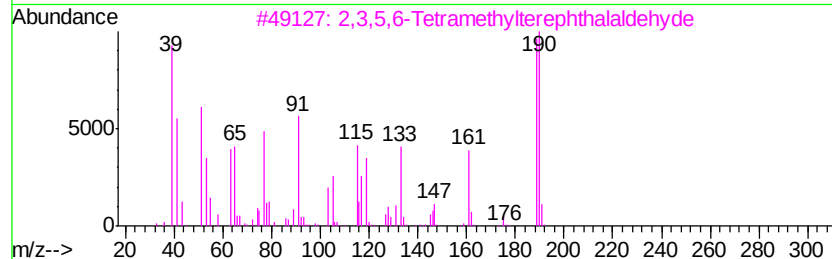
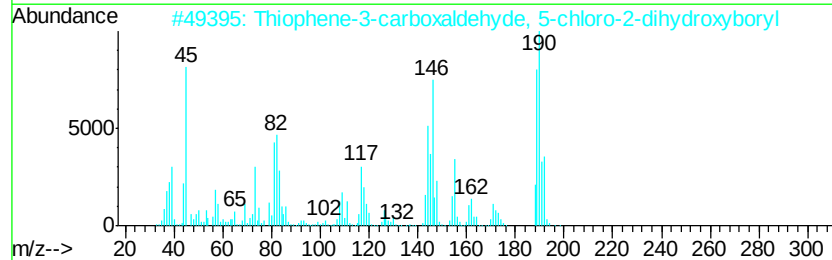
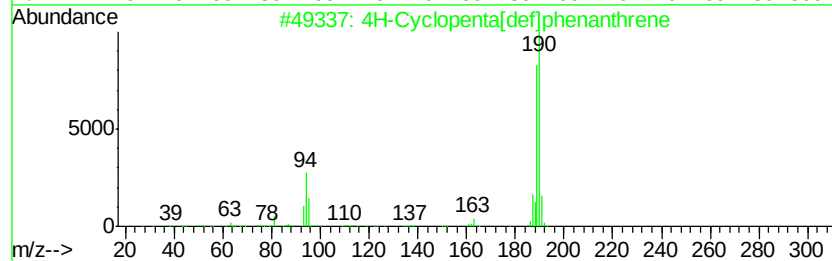
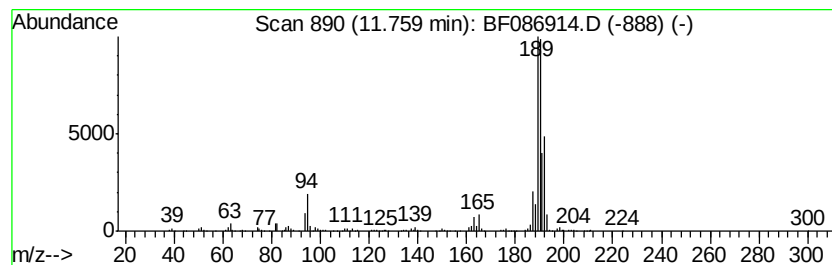
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.76	4.51 ng	885695	Phenanthrene-d10		11.14
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086914.D
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Sample : H2965-04
Misc :
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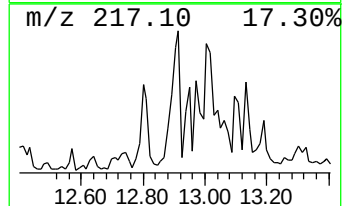
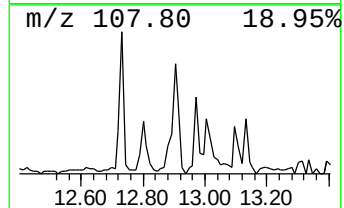
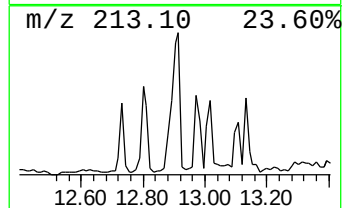
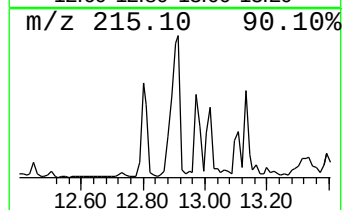
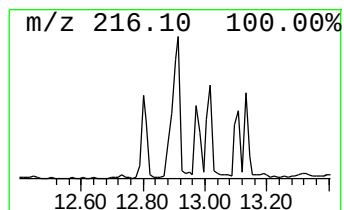
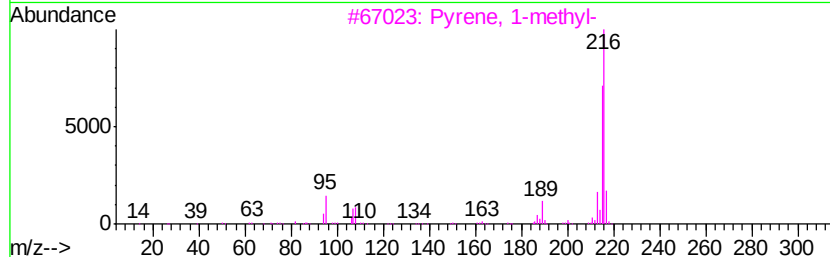
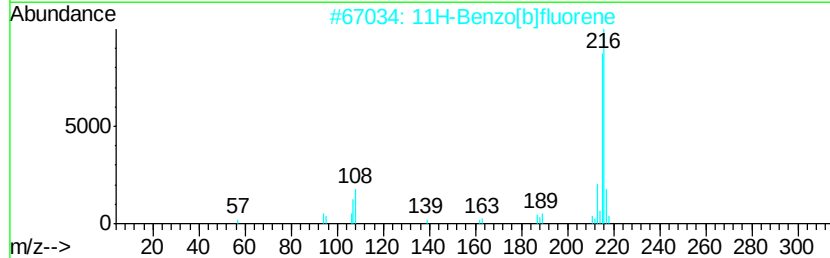
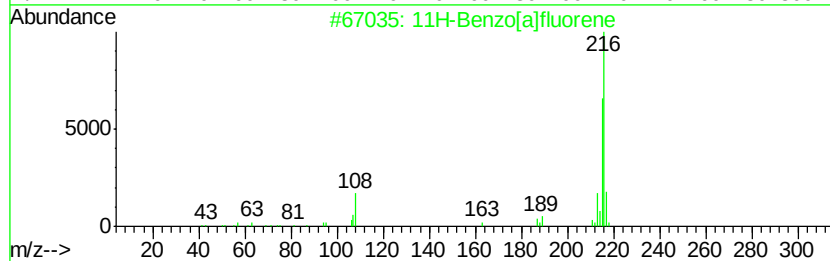
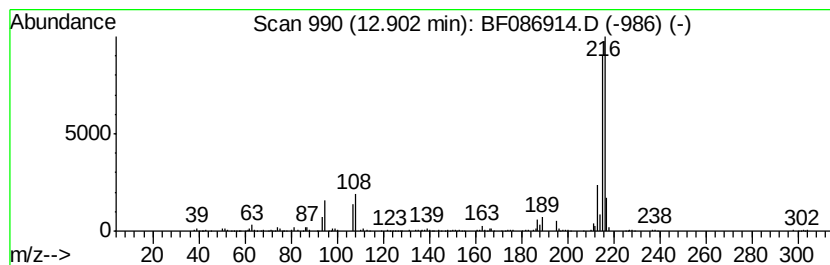
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	4.99 ng	688721	Chrysene-d12	13.78
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 94
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 94
3		Pyrene, 1-methyl-	216 C17H12	002381-21-7 94
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 91
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
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Sample : H2965-04
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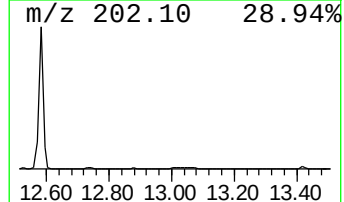
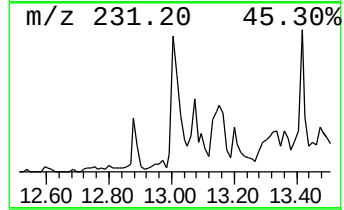
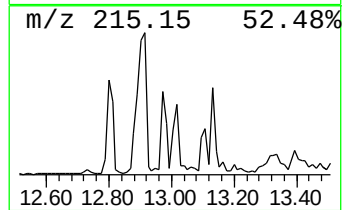
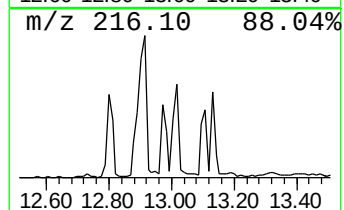
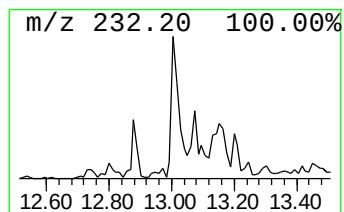
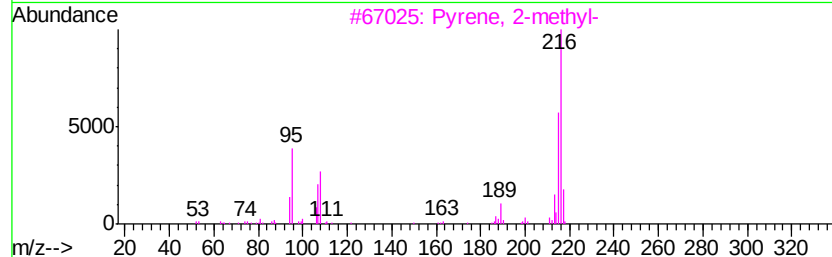
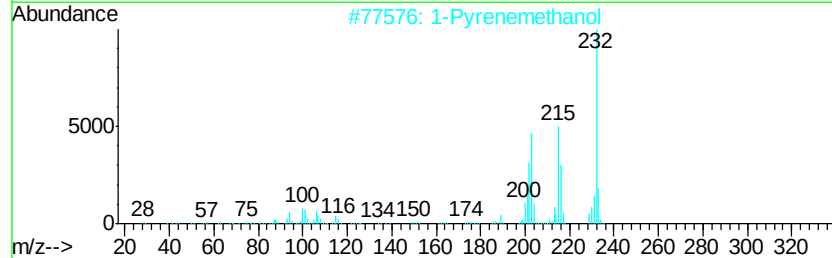
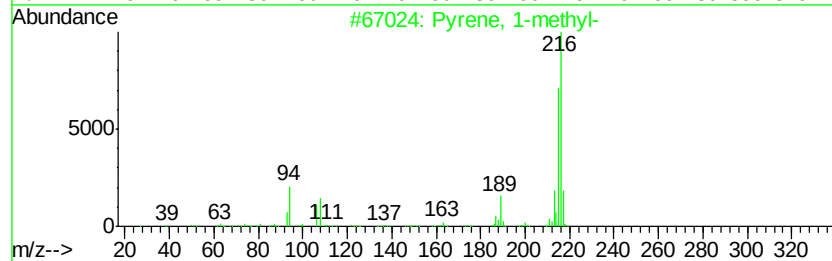
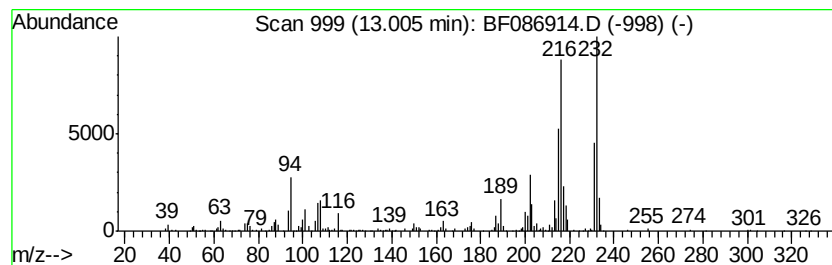
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ClientSampleId :
E-16(6.5-7)

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

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

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.01	3.06 ng	421799	Chrysene-d12		13.78
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
2	1-Pyrenemethanol	232	C17H12O	024463-15-8	55
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	46
4	1-Methyl-4-p-tolyl-naphthalene	232	C18H16	093870-57-6	43
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
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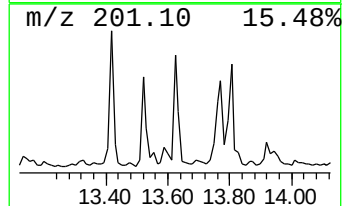
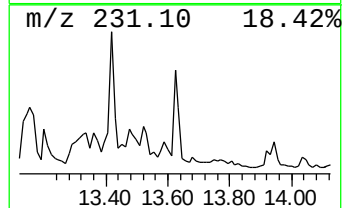
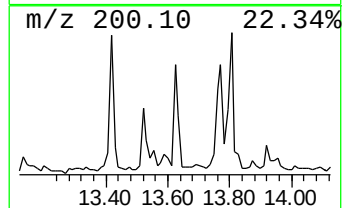
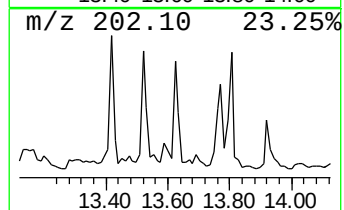
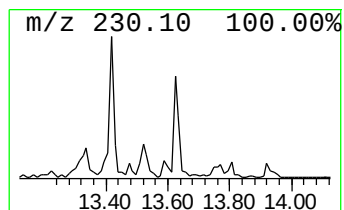
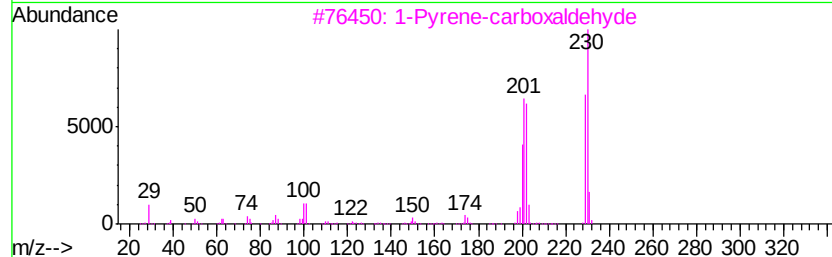
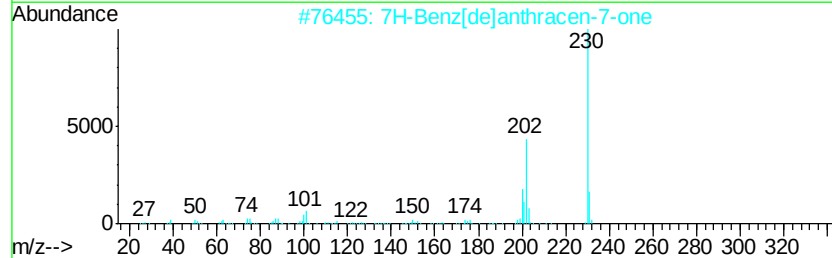
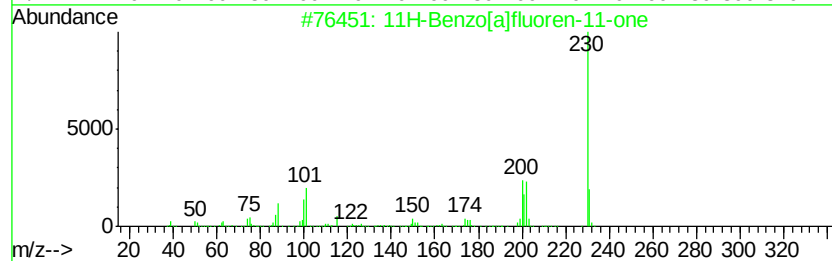
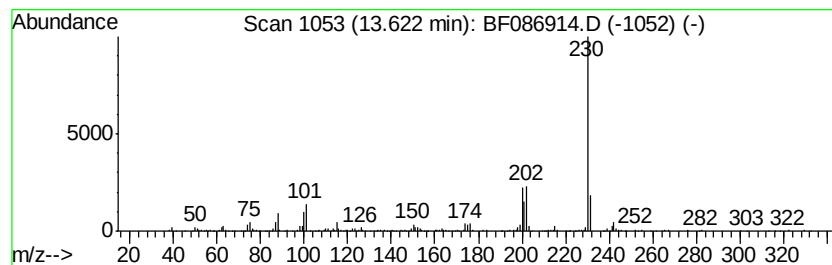
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.62	3.08 ng	425621	Chrysene-d12	13.78		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3		1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	49
4		4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	47
5		2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086914.D
Acq On : 12 May 2016 3:51
Operator : UM/SJ
Sample : H2965-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-16(6.5-7)

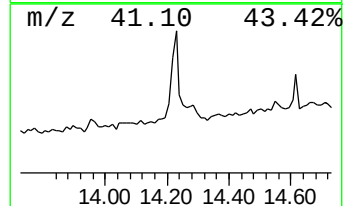
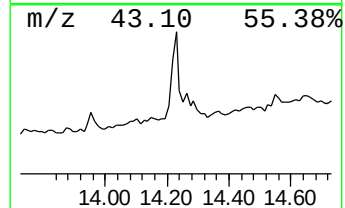
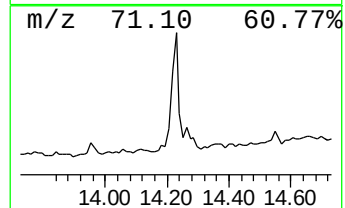
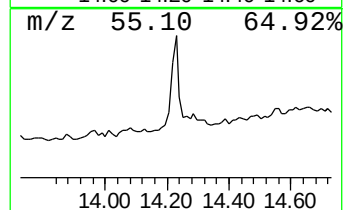
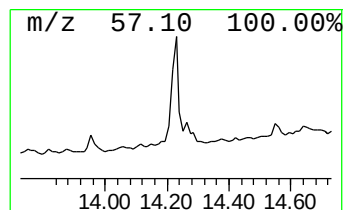
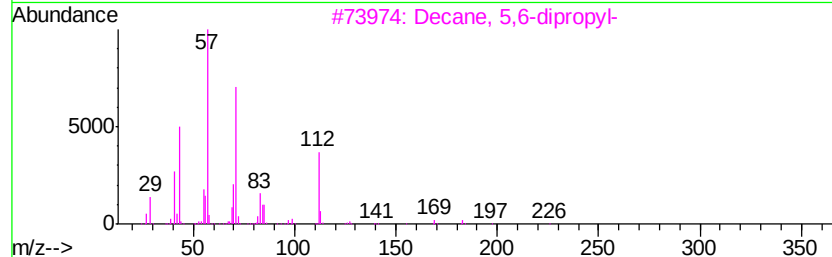
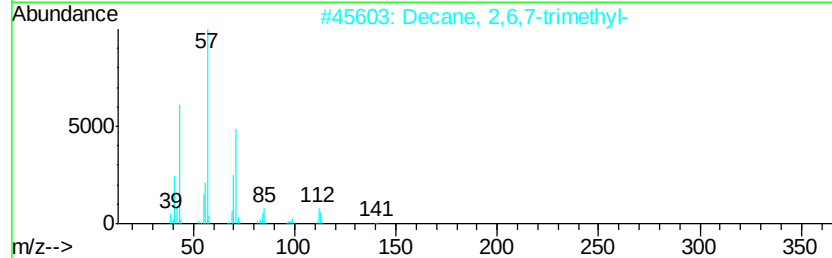
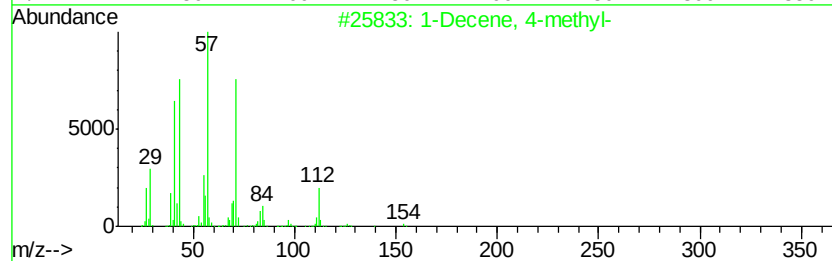
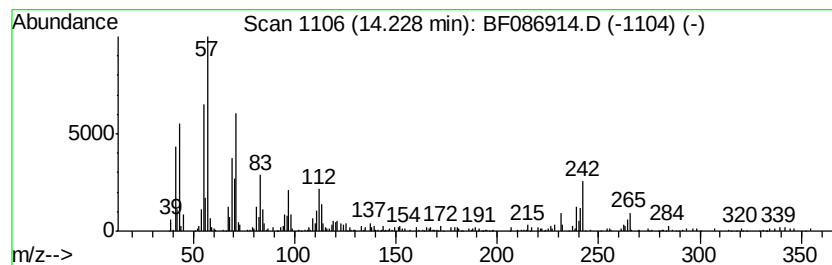
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown14.23 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	3.46 ng	476829	Chrysene-d12	13.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Decene, 4-methyl-	154	C11H22	013151-29-6	30
2		Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	27
3		Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	27
4		1-Heptadecene	238	C17H34	006765-39-5	25
5		E-14-Hexadecenal	238	C16H30O	330207-53-9	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086914.D
Acq On : 12 May 2016 3:51
Operator : UM/SJ
Sample : H2965-04
Misc :
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Instrument :
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ClientSampleId :
E-16(6.5-7)

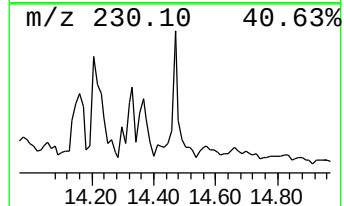
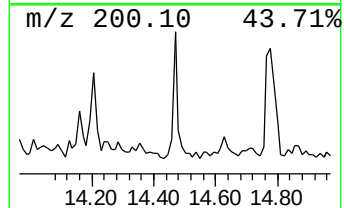
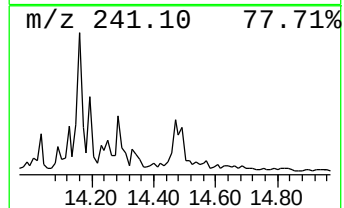
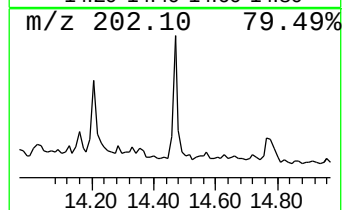
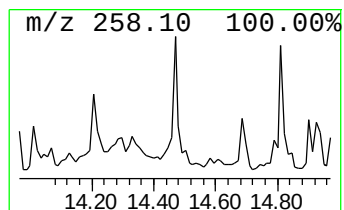
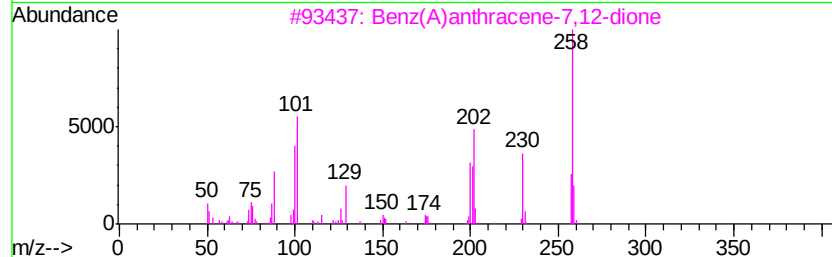
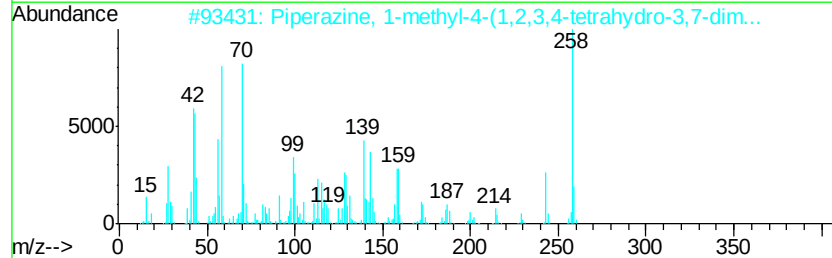
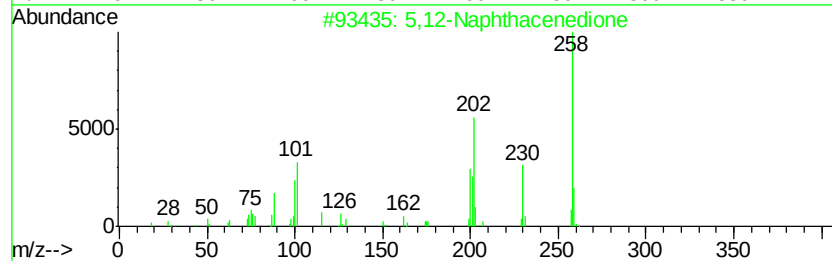
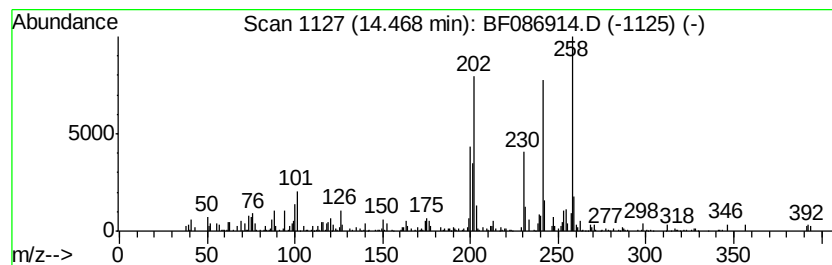
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 5,12-Naphthacenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	8.09 ng	217055	Perylene-d12	15.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
2		Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
3		Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	89
4		1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	46
5		Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086914.D
Acq On : 12 May 2016 3:51
Operator : UM/SJ
Sample : H2965-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E-16(6.5-7)

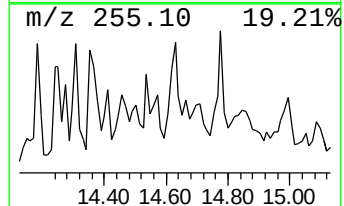
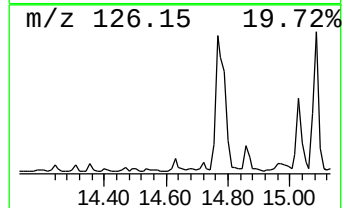
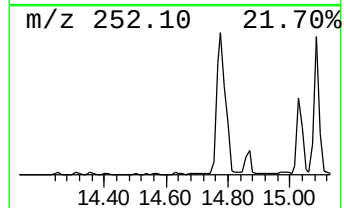
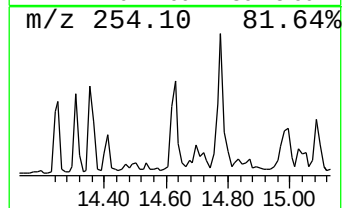
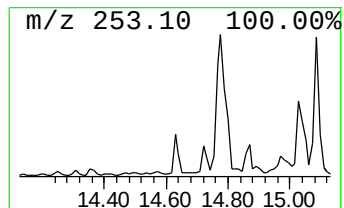
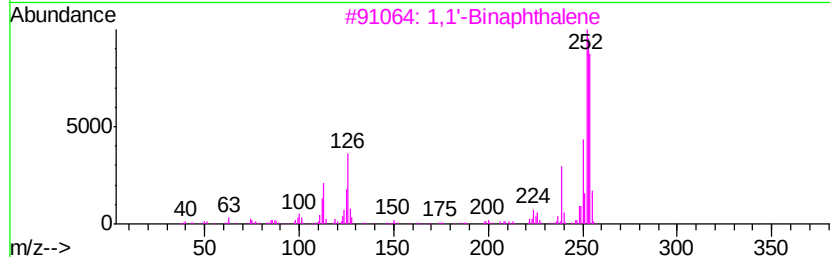
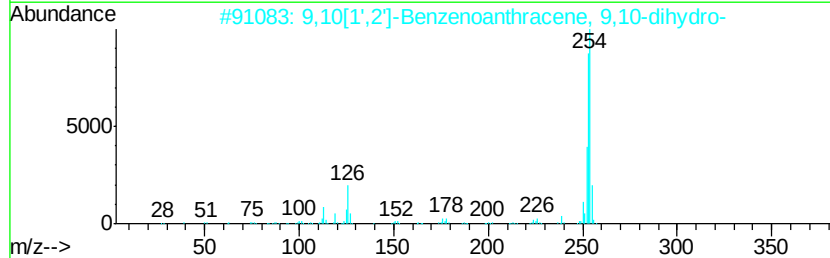
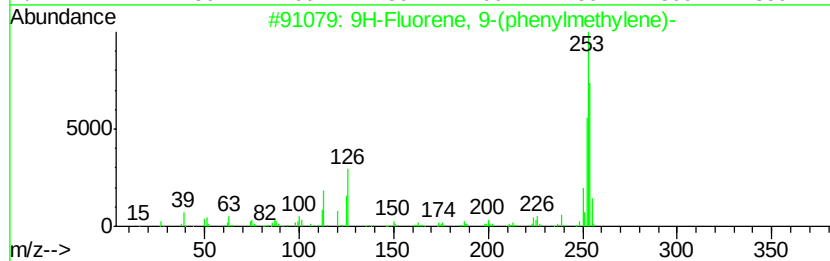
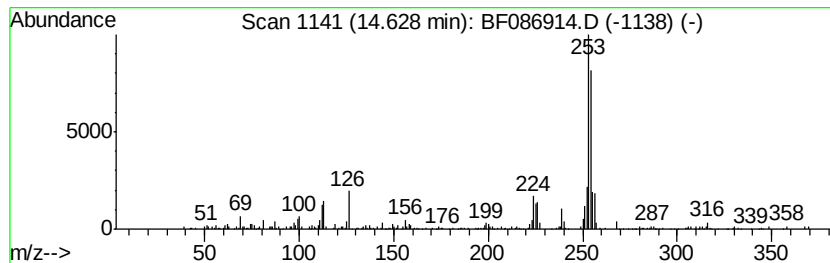
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 9H-Fluorene, 9-(phenylmethy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.63	9.70 ng	260375	Perylene-d12	15.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	81
2		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	72
3		1,1'-Binaphthalene	254	C20H14	000604-53-5	68
4		4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64
5		1,2'-Binaphthalene	254	C20H14	004325-74-0	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086914.D
Acq On : 12 May 2016 3:51
Operator : UM/SJ
Sample : H2965-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E-16(6.5-7)

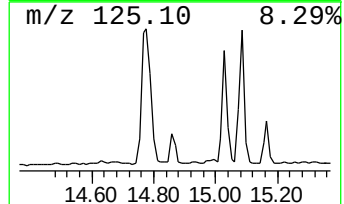
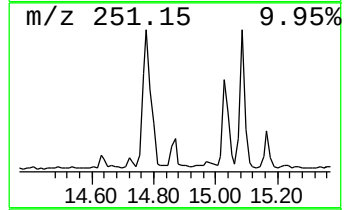
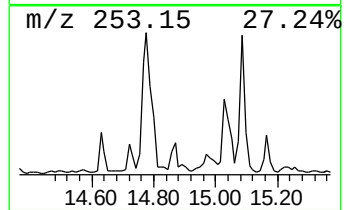
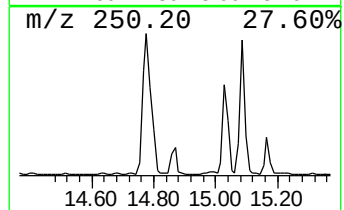
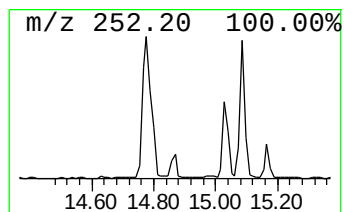
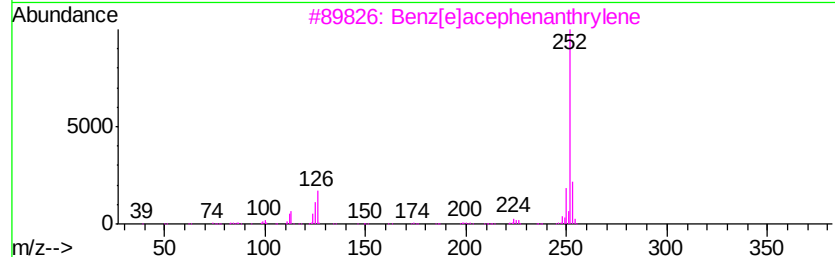
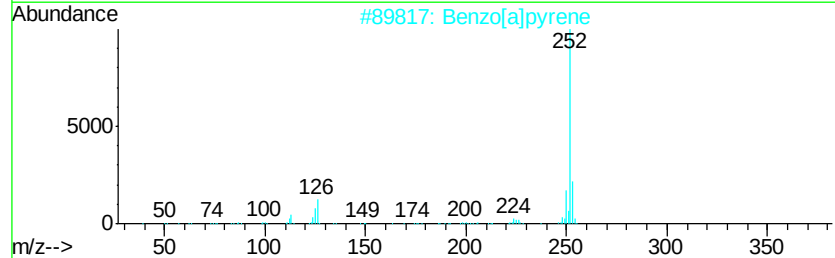
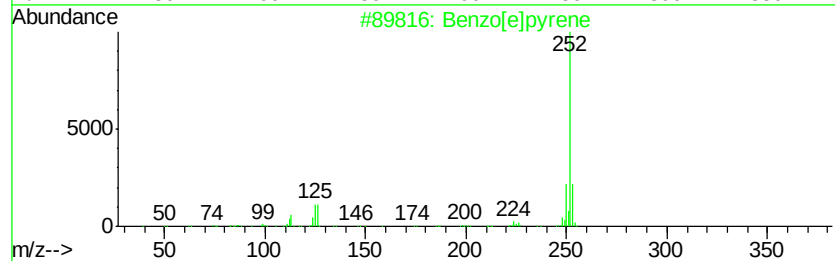
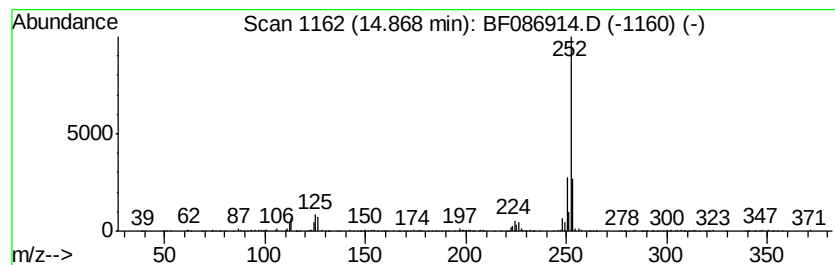
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	5.64 ng	151298	Perylene-d12	15.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2		Benzo[a]pyrene	252	C20H12	000050-32-8	90
3		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	74
5		Perylene	252	C20H12	000198-55-0	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086914.D
Acq On : 12 May 2016 3:51
Operator : UM/SJ
Sample : H2965-04
Misc :
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Instrument :
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ClientSampleId :
E-16(6.5-7)

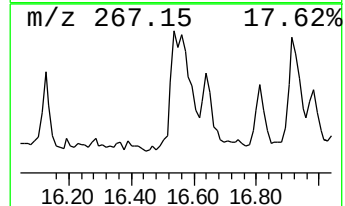
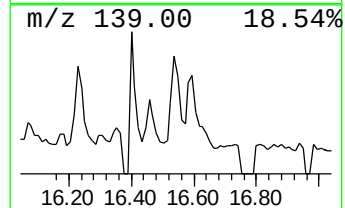
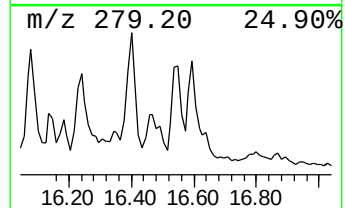
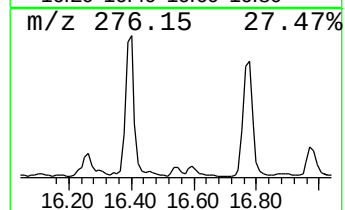
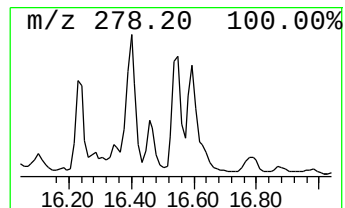
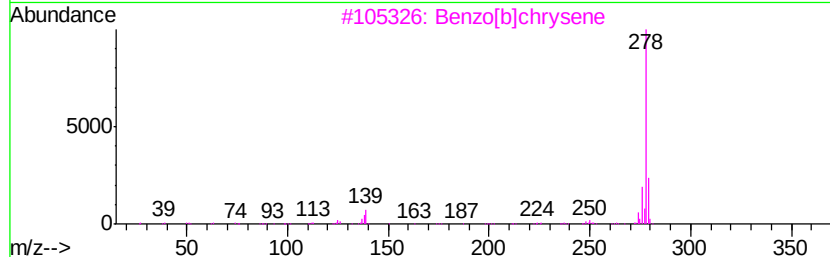
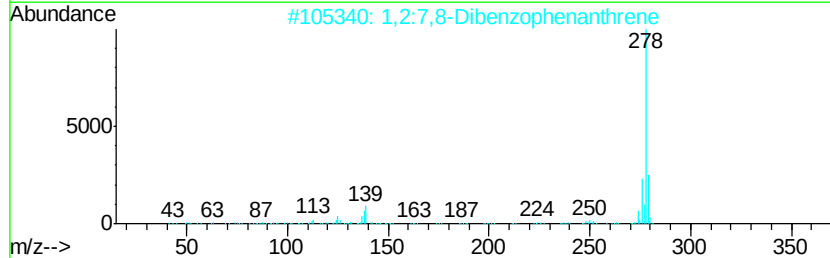
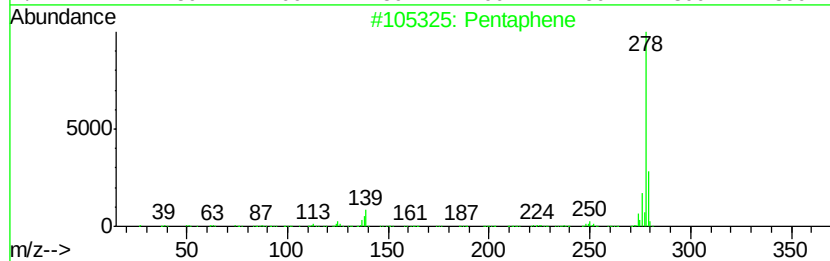
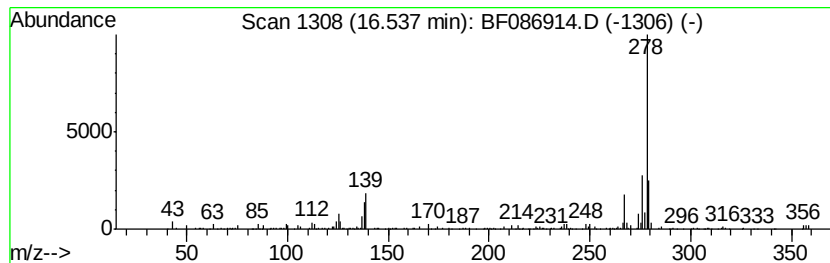
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pentaphene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	4.18 ng	112119	Perylene-d12	15.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentaphene	278	C22H14	000222-93-5	97
2		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	96
3		Benzo[b]chrysene	278	C22H14	000214-17-5	96
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
5		Pentacene	278	C22H14	000135-48-8	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
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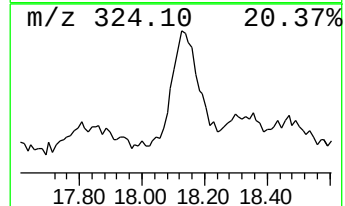
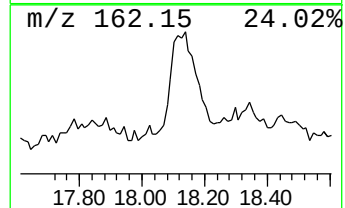
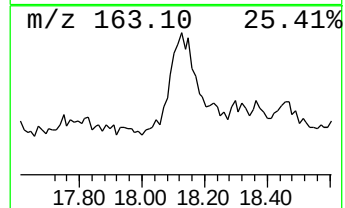
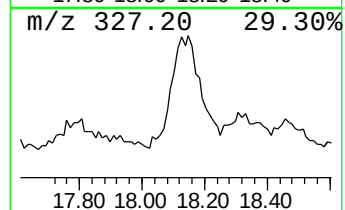
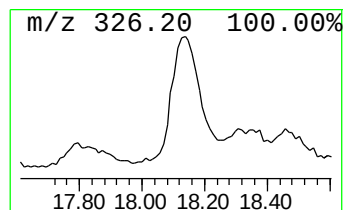
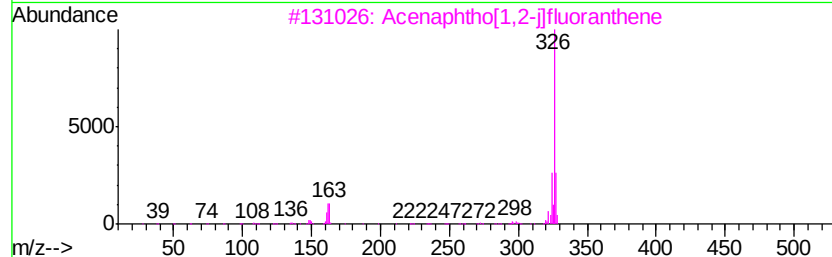
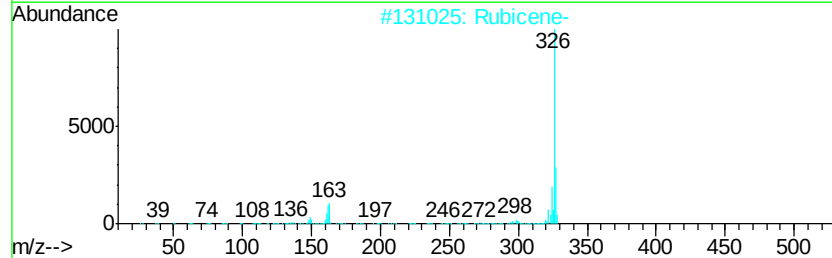
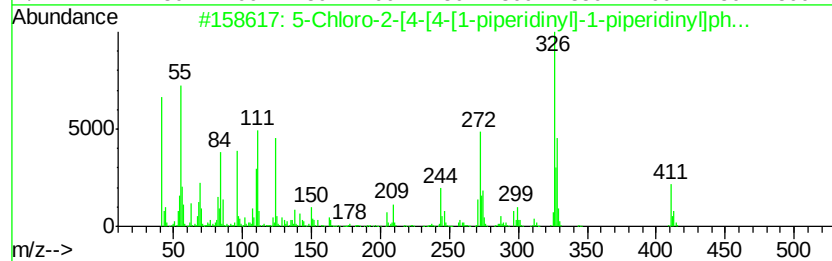
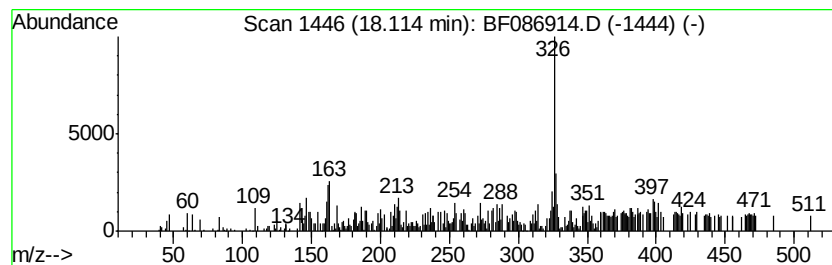
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ClientSampleId :
E-16(6.5-7)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 5-Chloro-2-[4-[4-[1-piperid... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.11	4.13 ng	110727	Perylene-d12	15.14	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Chloro-2-[4-[4-[1-piperidiny]...	411	C23H26ClN3S	1000213-94-8	95
2	Rubicene-	326	C26H14	000197-61-5	89
3	Acenaphtho[1,2-j]fluoranthene	326	C26H14	000193-21-5	84
4	Benzene, 1,3-bis(4-phenyl-1,3-bu...	326	C26H14	037902-13-9	60
5	Silane, (estra-1,3,5(10),16-tetr...	326	C21H30OSi	069688-27-3	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
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 Sample : H2965-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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unknown6.41	6.41	80.8	ng	3490040	1	6.63	864306	20.0
Naphthalene, 2,3-...	9.34	3.6	ng	186333	3	9.67	1044490	20.0
Hexadecane	10.11	4.3	ng	225261	3	9.67	1044490	20.0
Undecane, 2,5-dim...	10.33	3.1	ng	162496	3	9.67	1044490	20.0
Dibenzofuran, 4-m...	10.38	3.3	ng	169538	3	9.67	1044490	20.0
4H-Cyclopenta[def...	11.76	4.5	ng	885695	4	11.14	3930900	20.0
11H-Benzo[a]fluorene	12.90	5.0	ng	688721	5	13.78	2760180	20.0
Pyrene, 1-methyl-	13.01	3.1	ng	421799	5	13.78	2760180	20.0
11H-Benzo[a]fluor...	13.62	3.1	ng	425621	5	13.78	2760180	20.0
unknown14.23	14.23	3.5	ng	476829	5	13.78	2760180	20.0
5,12-Naphthacened...	14.47	8.1	ng	217055	6	15.14	536830	20.0
9H-Fluorene, 9-(p...	14.63	9.7	ng	260375	6	15.14	536830	20.0
Benzo[e]pyrene	14.87	5.6	ng	151298	6	15.14	536830	20.0
Pentaphene	16.54	4.2	ng	112119	6	15.14	536830	20.0
5-Chloro-2-[4-[4-...	18.11	4.1	ng	110727	6	15.14	536830	20.0