

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
 Data File : BF087376.D
 Acq On : 25 May 2016 17:18
 Operator : UM/SJ
 Sample : H3218-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-4(12.5-13)

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-BF052316.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	1.644	4	5	39	rVB	1717346	3069384	75.11%	3.522%
2	4.787	278	280	296	rBV	102055	291707	7.14%	0.335%
3	5.427	333	336	352	rBV	2380482	3923699	96.01%	4.503%
4	7.062	476	479	482	rBV	2463189	3670468	89.81%	4.212%
5	7.176	486	489	494	rVV	2835734	3990728	97.65%	4.580%
6	7.519	516	519	524	rBV	569115	754551	18.46%	0.866%
7	7.759	537	540	542	rBV	1696003	2625770	64.25%	3.013%
8	7.793	542	543	550	rVB	167079	161428	3.95%	0.185%
9	8.433	596	599	606	rVB	1724321	2360234	57.75%	2.709%
10	9.142	658	661	666	rBV3	181761	379619	9.29%	0.436%
11	9.542	694	696	698	rVV	689146	1088742	26.64%	1.249%
12	9.576	698	699	702	rVV	666790	888185	21.73%	1.019%
13	9.633	702	704	710	rVV3	122064	233213	5.71%	0.268%
14	10.331	763	765	767	rVV3	77294	172412	4.22%	0.198%
15	10.388	767	770	774	rVV2	84671	185961	4.55%	0.213%
16	10.616	786	790	796	rBV3	196088	360854	8.83%	0.414%
17	10.708	796	798	801	rBV	370859	430274	10.53%	0.494%
18	10.868	807	812	814	rBV	1997279	2817116	68.93%	3.233%
19	11.325	849	852	855	rVV	2232761	3032147	74.19%	3.480%
20	11.474	861	865	868	rVV	335381	441505	10.80%	0.507%
21	11.542	868	871	873	rVV	177124	244807	5.99%	0.281%
22	11.622	875	878	884	rVV	641983	1166527	28.54%	1.339%
23	11.725	884	887	891	rVV	883443	1846997	45.19%	2.120%
24	11.851	894	898	900	rVV	1435147	2192800	53.66%	2.516%
25	11.885	900	901	904	rVV	756742	1052334	25.75%	1.208%
26	12.022	910	913	918	rVV2	1321359	2293266	56.11%	2.632%
27	12.159	921	925	928	rVV2	543536	912791	22.34%	1.047%
28	12.376	941	944	947	rBV2	730908	1573715	38.51%	1.806%
29	12.434	947	949	951	rVV	1693616	2058501	50.37%	2.362%
30	12.479	951	953	958	rVB2	155749	288362	7.06%	0.331%
31	12.582	958	962	965	rBV	256349	513058	12.55%	0.589%
32	12.639	965	967	969	rBV	118978	157220	3.85%	0.180%
33	12.719	969	974	978	rBV3	316481	786412	19.24%	0.902%
34	12.799	978	981	983	rBV	348214	444278	10.87%	0.510%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.914	988	991	993	rBV	457841	684398	16.75%	0.785%
36	12.959	993	995	997	rVV2	201844	293893	7.19%	0.337%
37	13.062	1000	1004	1007	rBV3	235310	627830	15.36%	0.720%
38	13.119	1007	1009	1014	rVB	294276	397663	9.73%	0.456%
39	13.222	1014	1018	1019	rBV2	447490	768490	18.80%	0.882%
40	13.268	1019	1022	1026	rVB	1093573	1479691	36.21%	1.698%
41	13.348	1026	1029	1032	rBV3	177963	439384	10.75%	0.504%
42	13.405	1032	1034	1036	rVV2	160020	250308	6.12%	0.287%
43	13.451	1036	1038	1039	rVV2	241584	328450	8.04%	0.377%
44	13.554	1043	1047	1051	rVB3	195943	543957	13.31%	0.624%
45	13.622	1051	1053	1055	rBV	348417	439652	10.76%	0.505%
46	13.668	1055	1057	1062	rVB2	1612295	2100761	51.40%	2.411%
47	14.011	1083	1087	1092	rBV2	187248	444262	10.87%	0.510%
48	14.171	1097	1101	1102	rBV	292398	652136	15.96%	0.748%
49	14.205	1102	1104	1107	rVB	324935	407055	9.96%	0.467%
50	14.297	1109	1112	1115	rVB	219003	367834	9.00%	0.422%
51	14.400	1119	1121	1123	rBV3	95637	162694	3.98%	0.187%
52	14.491	1127	1129	1132	rVB2	136064	234413	5.74%	0.269%
53	14.605	1137	1139	1147	rVB2	343692	594887	14.56%	0.683%
54	14.720	1147	1149	1151	rVB	130222	158792	3.89%	0.182%
55	14.777	1151	1154	1155	rBV	606623	847974	20.75%	0.973%
56	14.822	1155	1158	1161	rVB	3079105	4086770	100.00%	4.690%
57	14.902	1162	1165	1168	rVB	906434	1236482	30.26%	1.419%
58	14.994	1170	1173	1174	rBV	120896	206490	5.05%	0.237%
59	15.188	1186	1190	1192	rBV4	59105	188147	4.60%	0.216%
60	15.302	1195	1200	1203	rBV3	317058	737285	18.04%	0.846%
61	15.565	1220	1223	1225	rBV	787543	905682	22.16%	1.039%
62	15.611	1225	1227	1231	rVB	882664	982405	24.04%	1.127%
63	15.680	1231	1233	1235	rBV	387916	484938	11.87%	0.556%
64	15.725	1235	1237	1238	rVV2	698590	1110607	27.18%	1.274%
65	15.760	1238	1240	1245	rVB	632588	866789	21.21%	0.995%
66	16.011	1258	1262	1265	rBV2	299835	571196	13.98%	0.655%
67	16.114	1270	1271	1274	rVV2	245007	352070	8.61%	0.404%
68	16.228	1279	1281	1283	rVV2	141488	249318	6.10%	0.286%
69	16.274	1283	1285	1287	rVV	148136	210499	5.15%	0.242%
70	16.377	1290	1294	1295	rBV	397411	638353	15.62%	0.733%
71	16.411	1295	1297	1299	rVV	316900	465310	11.39%	0.534%

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72	16.445	1299	1300	1301	rVV	126866	153049	3.74%	0.176%
73	16.480	1301	1303	1307	rVV2	665268	1258456	30.79%	1.444%
74	16.571	1309	1311	1314	rVV	1013538	1292100	31.62%	1.483%
75	16.674	1317	1320	1321	rBV2	182452	265062	6.49%	0.304%
76	16.708	1321	1323	1327	rVB	326365	350409	8.57%	0.402%
77	16.880	1335	1338	1340	rVB	1692419	1889004	46.22%	2.168%
78	17.063	1350	1354	1356	rBV3	50196	155430	3.80%	0.178%
79	17.131	1356	1360	1362	rVB	1575608	2151375	52.64%	2.469%
80	17.200	1364	1366	1369	rBV2	149409	273699	6.70%	0.314%
81	17.314	1372	1376	1377	rBV2	133654	328928	8.05%	0.377%
82	17.337	1377	1378	1381	rVB	326186	405252	9.92%	0.465%
83	17.428	1384	1386	1388	rVB	291828	279827	6.85%	0.321%
84	17.474	1388	1390	1392	rBV	225553	244850	5.99%	0.281%
85	17.588	1398	1400	1402	rBV2	275750	448545	10.98%	0.515%
86	17.634	1402	1404	1412	rVB2	169429	377987	9.25%	0.434%
87	17.771	1414	1416	1420	rBV	102709	159273	3.90%	0.183%
88	17.977	1431	1434	1437	rBV2	61921	159201	3.90%	0.183%
89	18.148	1445	1449	1450	rBV3	77803	168107	4.11%	0.193%
90	18.388	1467	1470	1474	rBV3	75405	201503	4.93%	0.231%
91	18.457	1474	1476	1478	rVV2	775060	1374368	33.63%	1.577%
92	18.503	1478	1480	1482	rVV	560523	727162	17.79%	0.834%
93	18.971	1519	1521	1523	rVV	189408	246859	6.04%	0.283%
94	19.086	1527	1531	1533	rVV2	112227	196650	4.81%	0.226%
95	19.143	1533	1536	1540	rVB3	73457	184788	4.52%	0.212%
96	19.737	1585	1588	1595	rBV	243845	562593	13.77%	0.646%
97	20.023	1611	1613	1616	rBV	194419	223845	5.48%	0.257%
98	20.080	1616	1618	1621	rBV	373696	437316	10.70%	0.502%
99	20.137	1621	1623	1627	rVB	399094	552003	13.51%	0.633%
100	21.726	1759	1762	1767	rVB	69709	148010	3.62%	0.170%

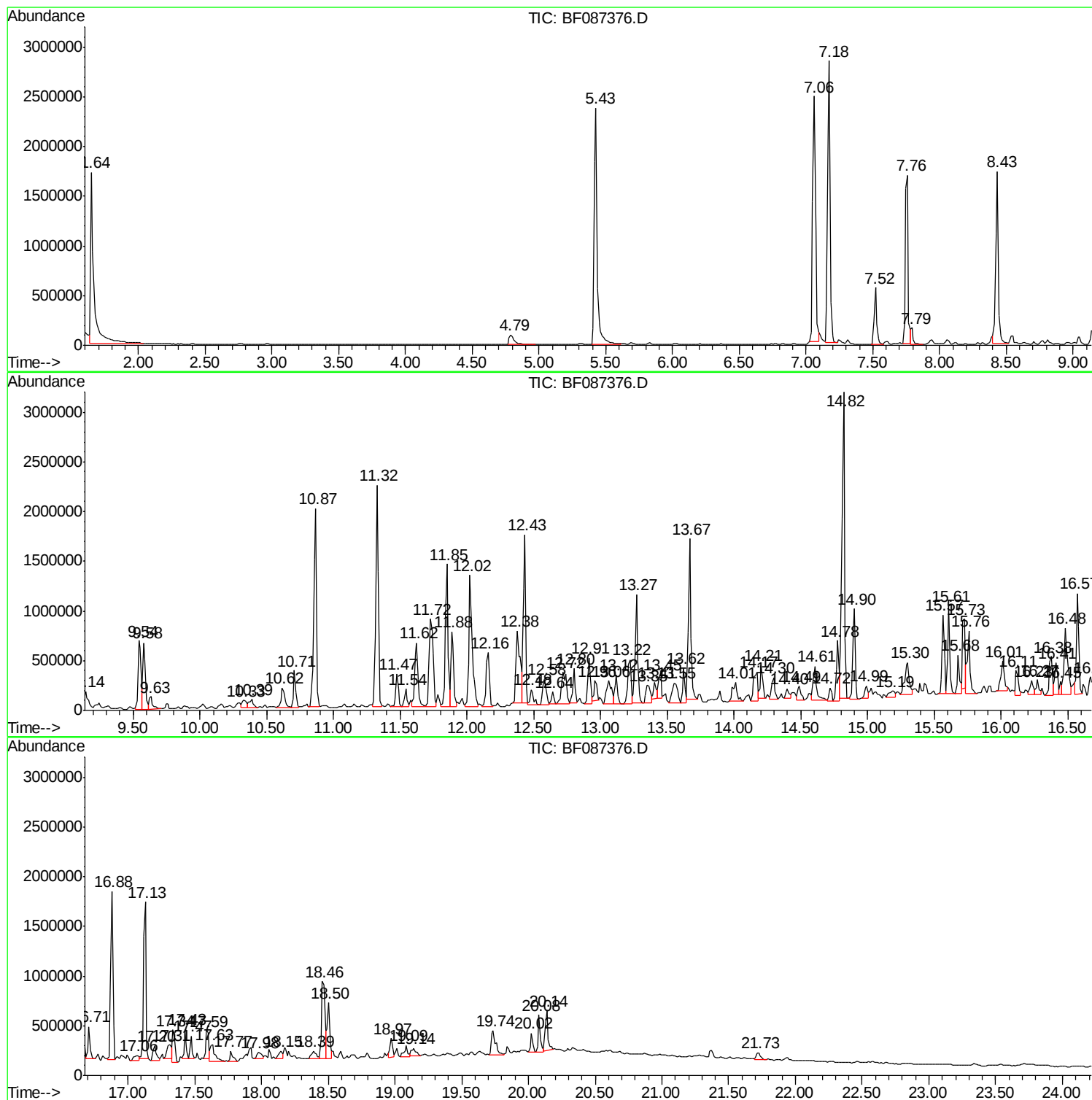
Sum of corrected areas: 87141581

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Instrument :
BNA_F
ClientSampled :
E-4(12.5-13)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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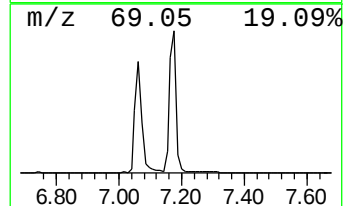
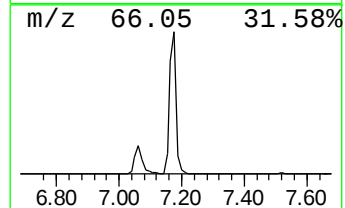
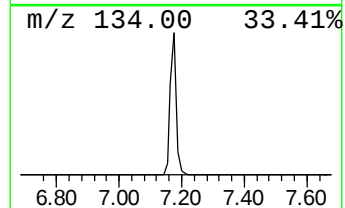
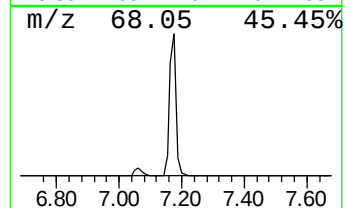
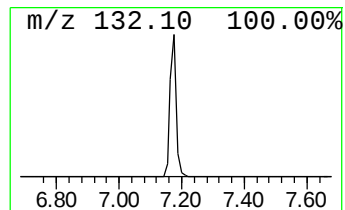
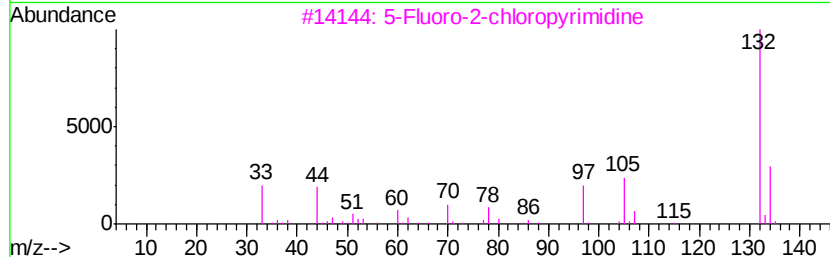
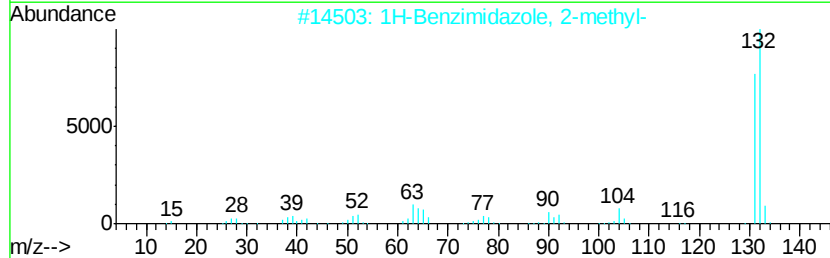
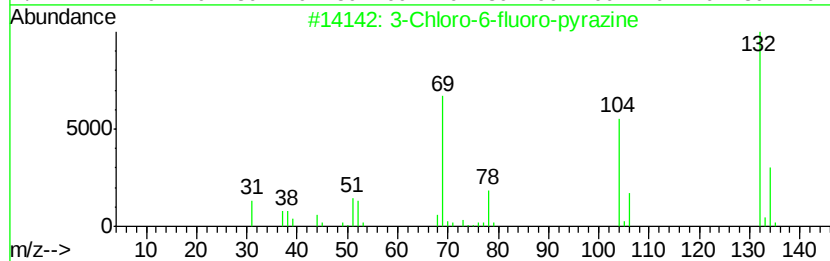
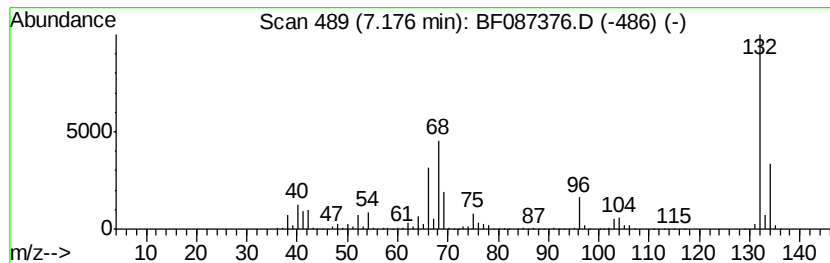
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown7.18 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	105.78 ng	3990730	1,4-Dichlorobenzene-d4	7.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
5		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9



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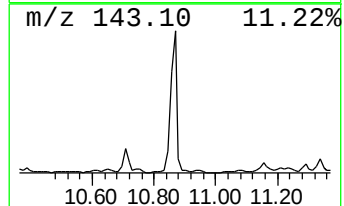
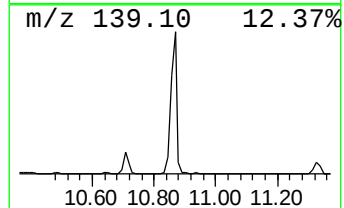
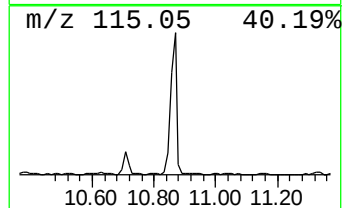
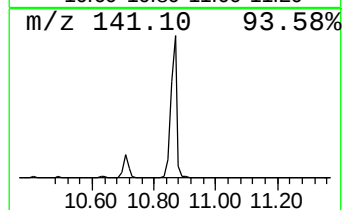
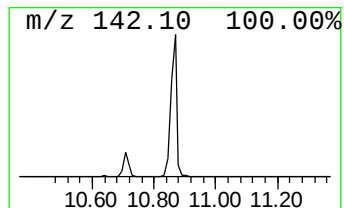
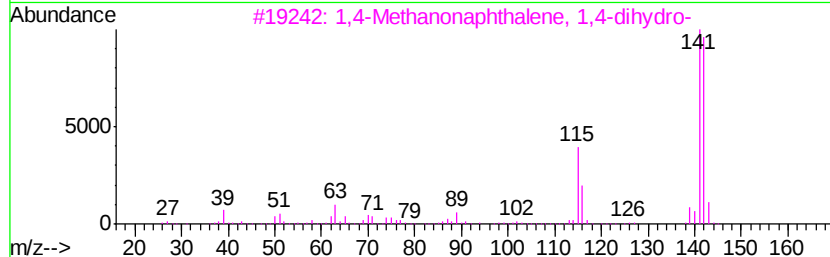
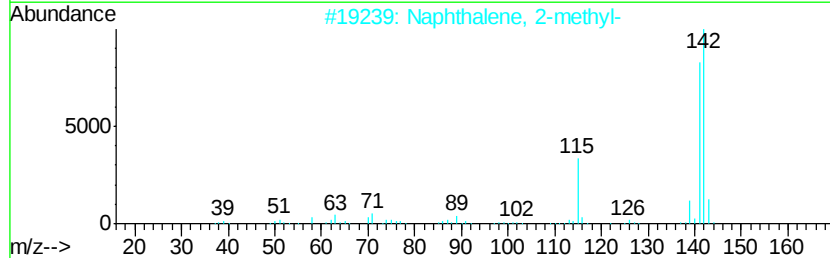
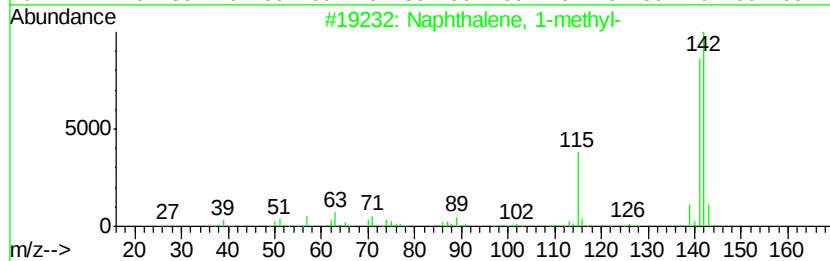
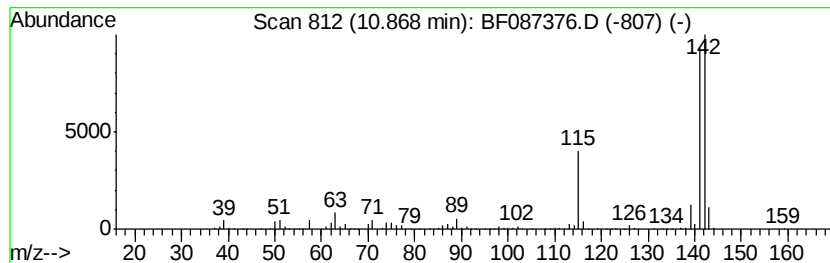
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	51.75 ng	2817120	Naphthalene-d8	9.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	94
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91



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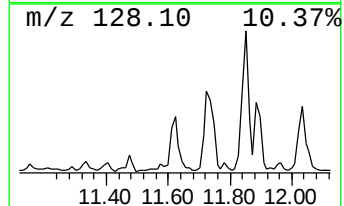
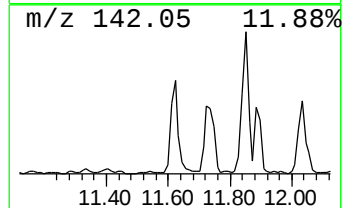
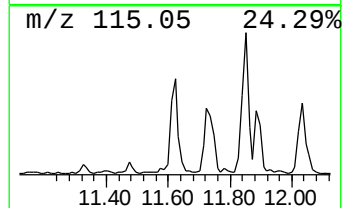
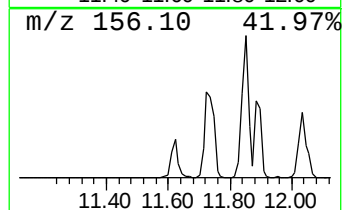
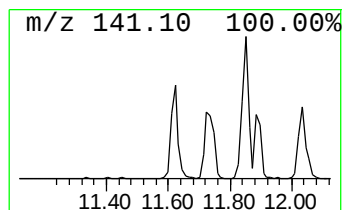
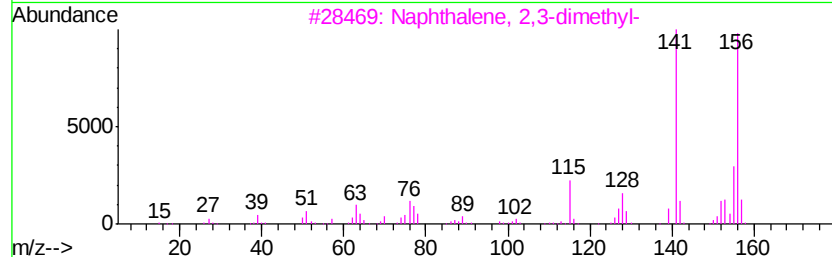
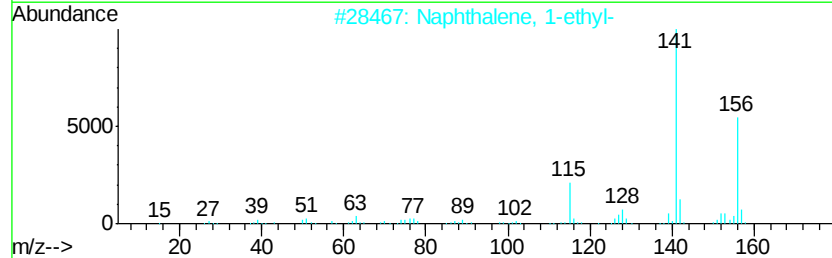
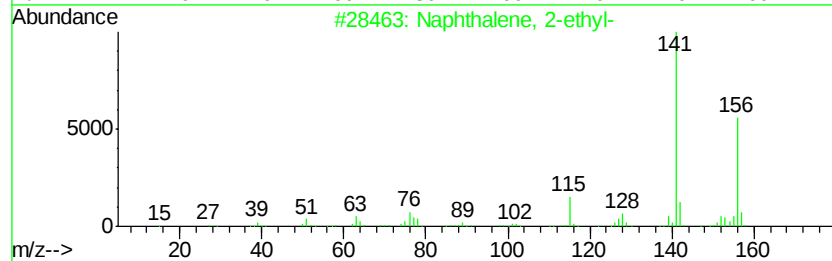
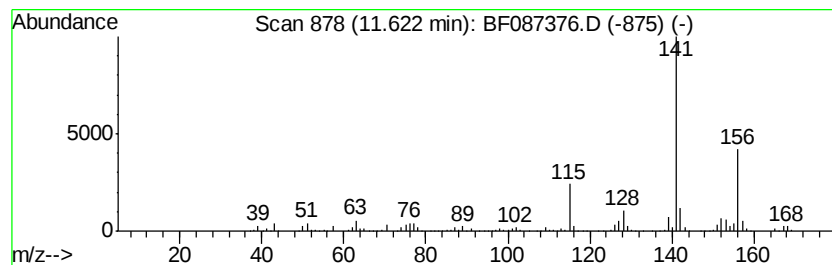
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TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 2-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	14.83 ng	1166530	Acenaphthene-d10	12.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	83
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	72
5		2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59



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Acq On : 25 May 2016 17:18
Operator : UM/SJ
Sample : H3218-06
Misc :
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Instrument :
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ClientSampleId :
E-4(12.5-13)

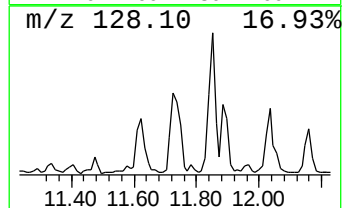
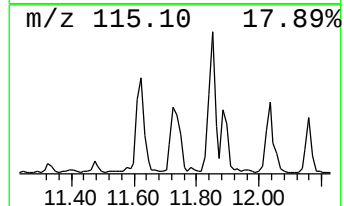
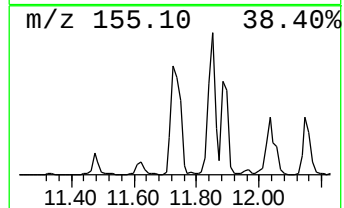
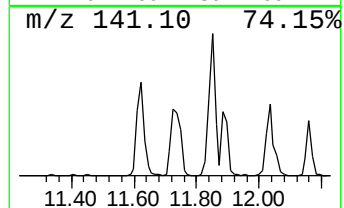
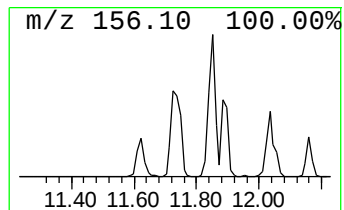
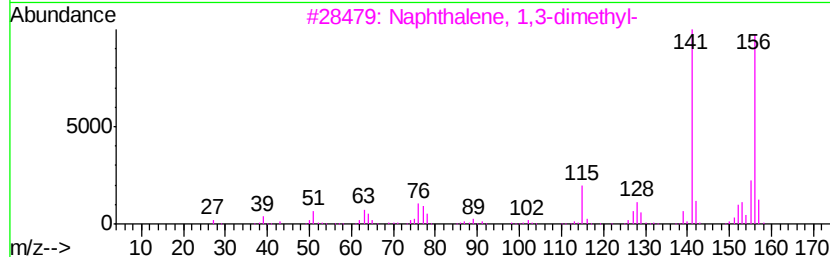
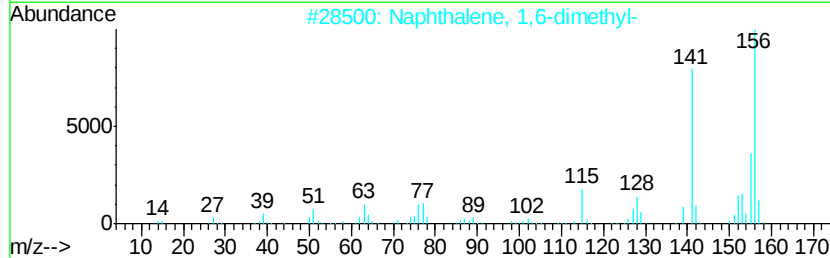
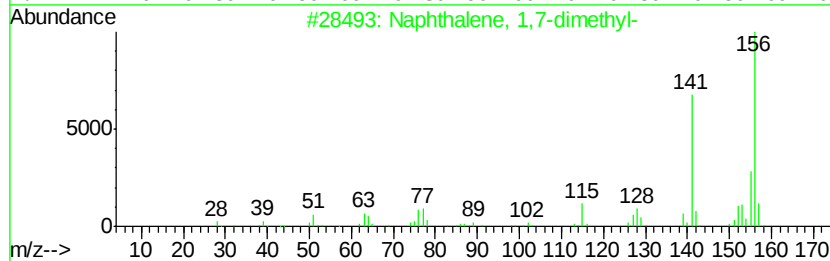
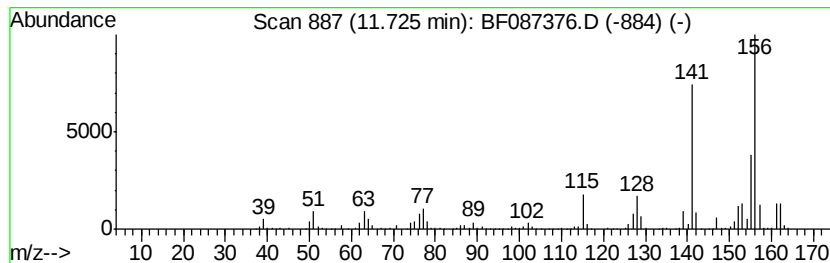
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	23.47 ng	1847000	Acenaphthene-d10	12.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
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Operator : UM/SJ
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ClientSampleId :
E-4(12.5-13)

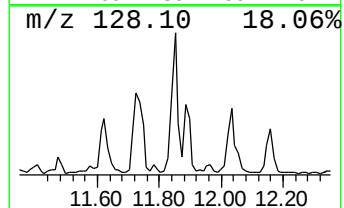
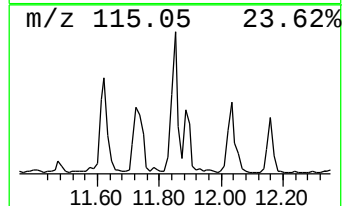
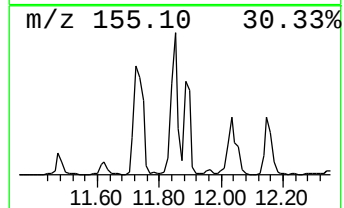
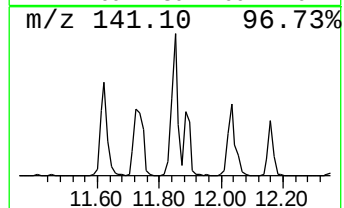
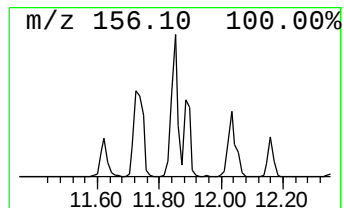
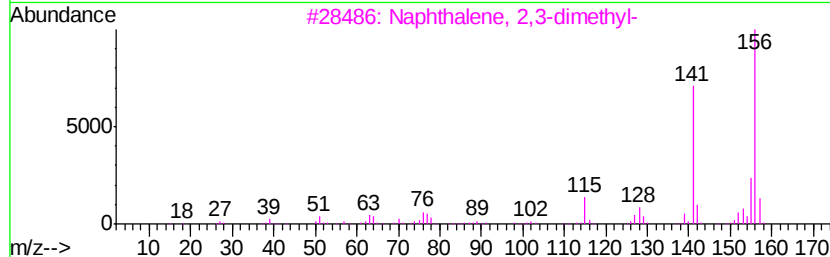
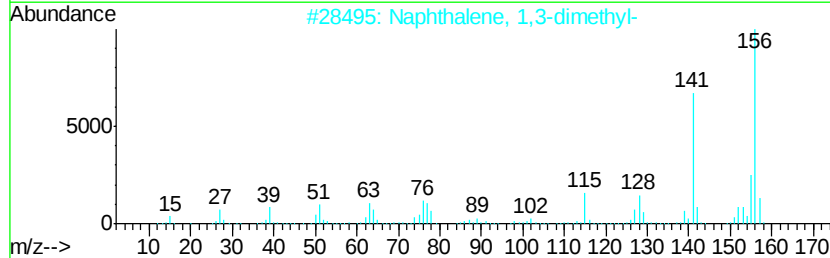
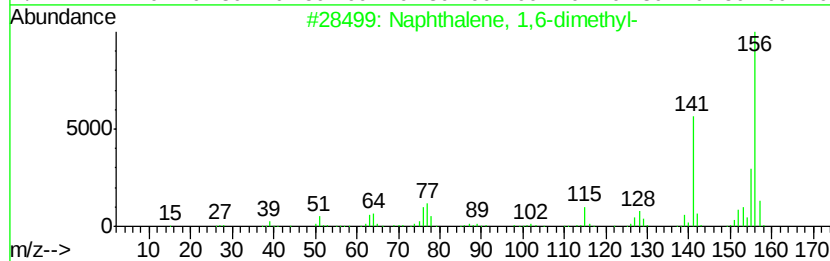
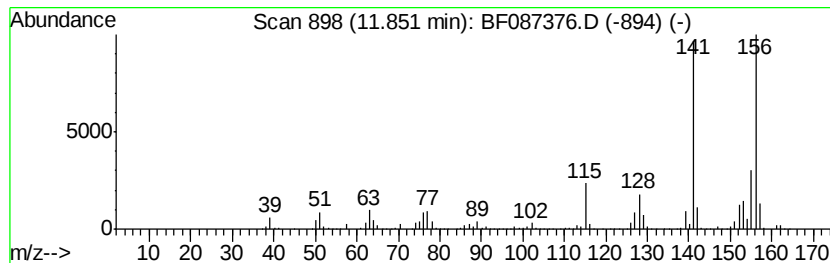
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	27.87 ng	2192800	Acenaphthene-d10	12.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087376.D
Acq On : 25 May 2016 17:18
Operator : UM/SJ
Sample : H3218-06
Misc :
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ClientSampleId :
E-4(12.5-13)

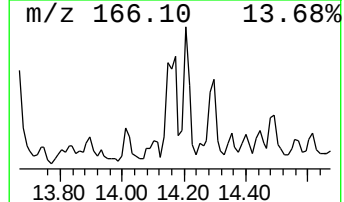
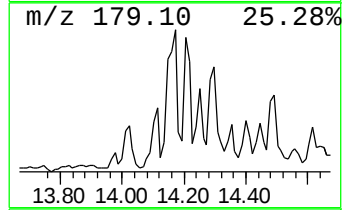
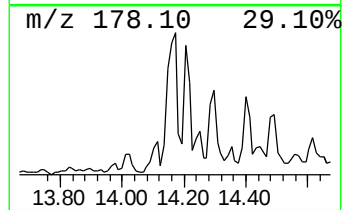
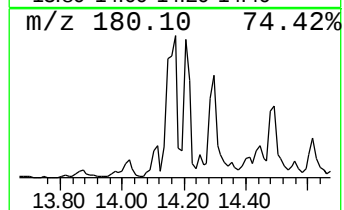
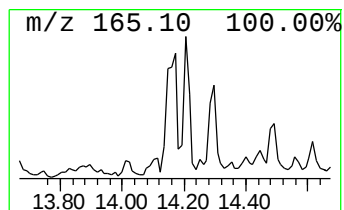
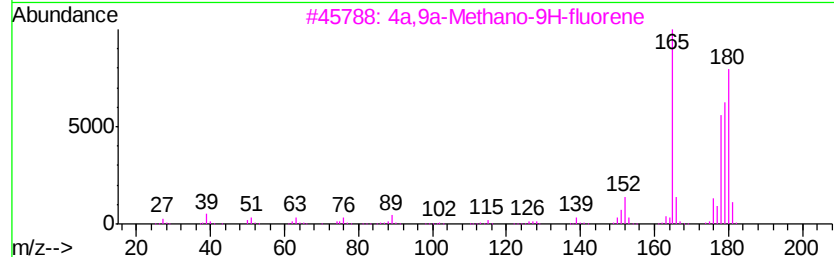
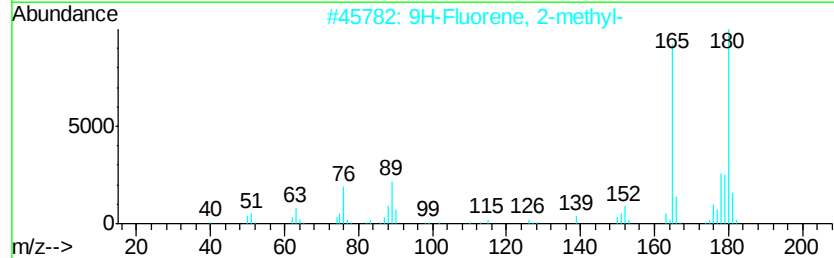
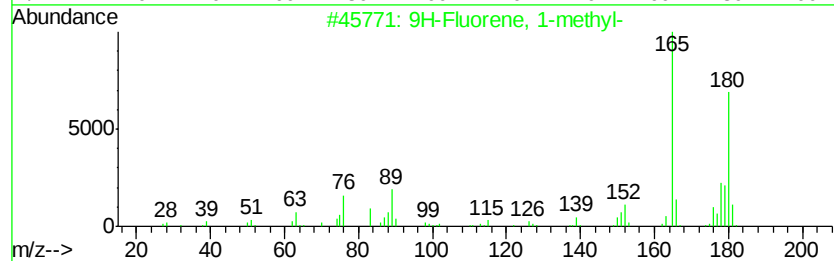
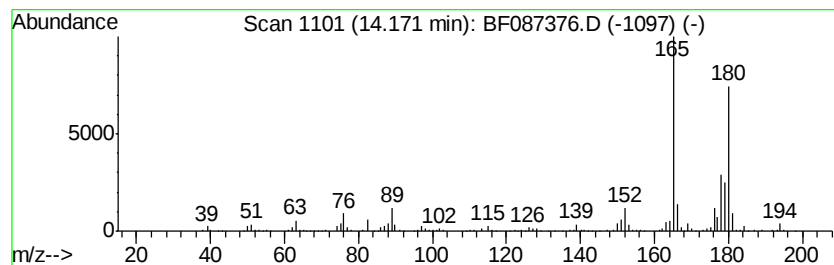
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	15.38 ng	652136	Phenanthrene-d10	14.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
5		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087376.D
Acq On : 25 May 2016 17:18
Operator : UM/SJ
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Misc :
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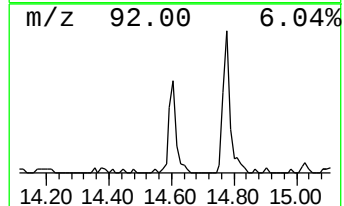
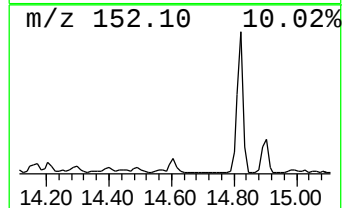
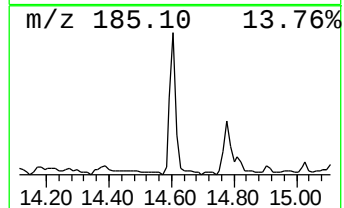
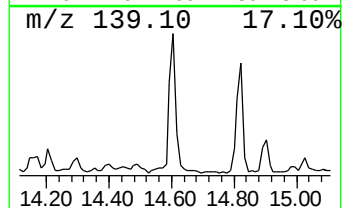
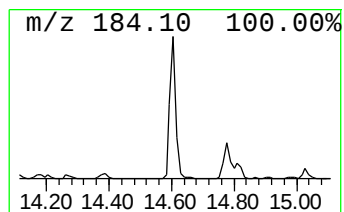
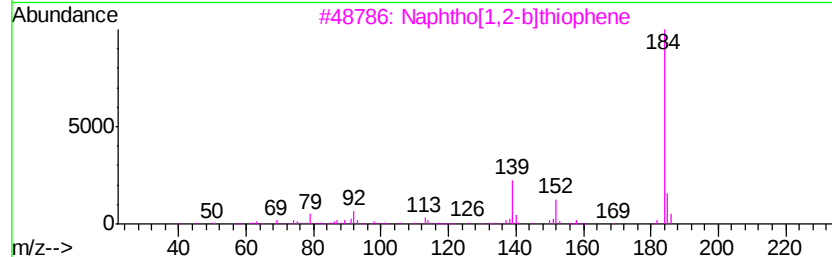
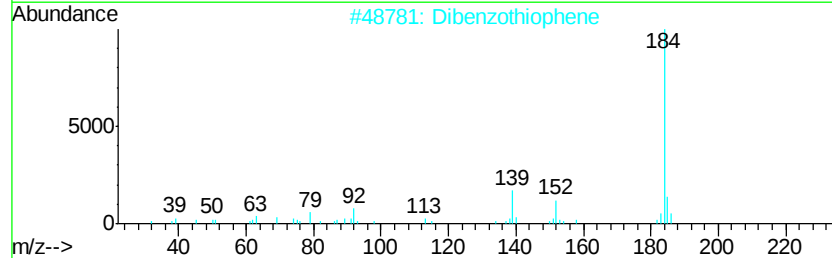
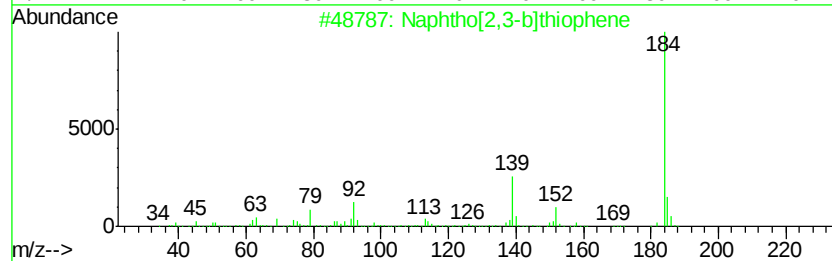
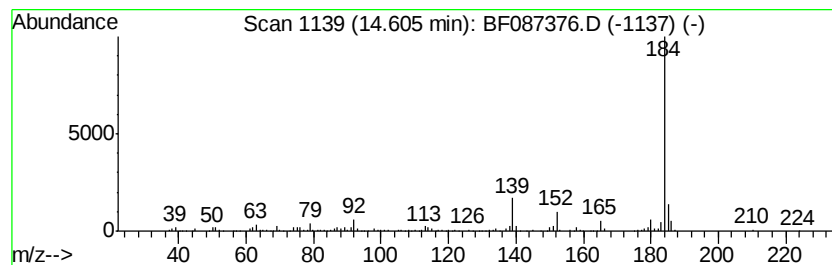
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphtho[2,3-b]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	14.03 ng	594887	Phenanthrene-d10	14.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2		Dibenzothiophene	184	C12H8S	000132-65-0	95
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087376.D
Acq On : 25 May 2016 17:18
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Instrument :
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ClientSampleId :
E-4(12.5-13)

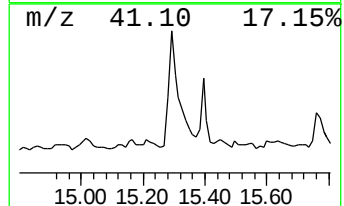
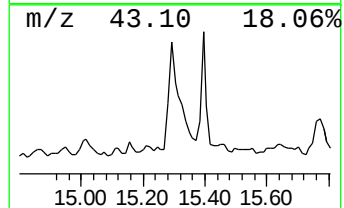
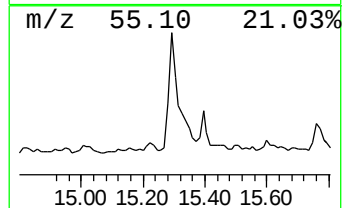
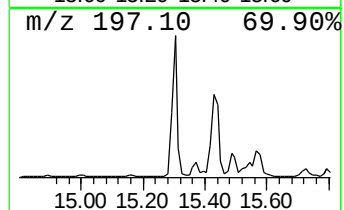
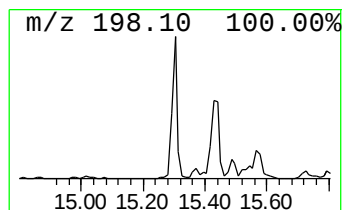
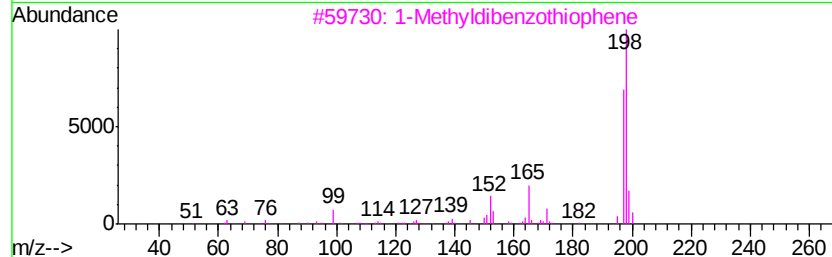
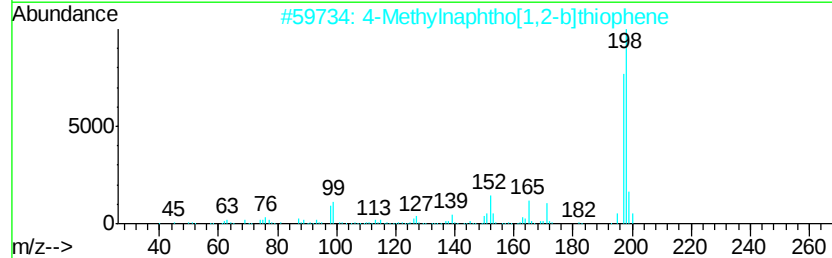
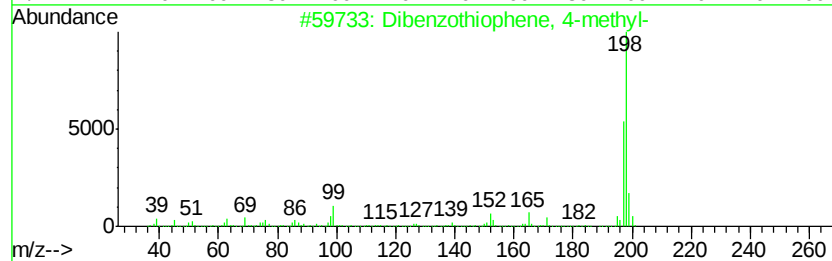
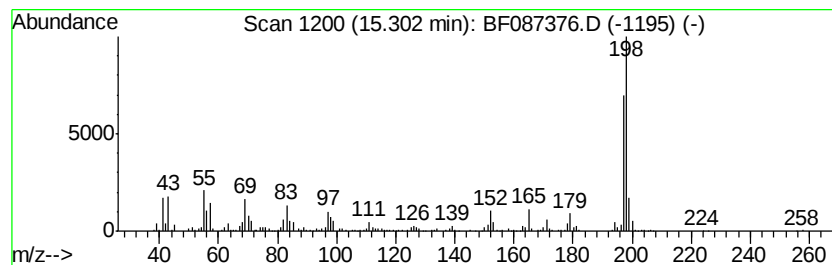
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dibenzothiophene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	17.39 ng	737285	Phenanthrene-d10	14.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
2		4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
3		1-Methyldibenzothiophene	198	C13H10S	031317-07-4	91
4		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
5		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087376.D
Acq On : 25 May 2016 17:18
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ClientSampleId :
E-4(12.5-13)

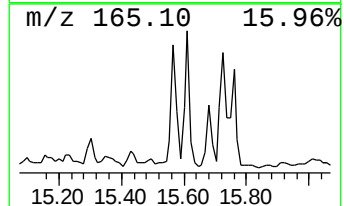
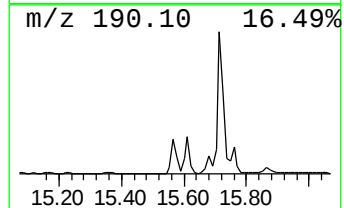
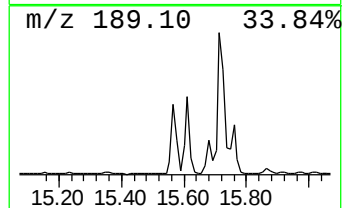
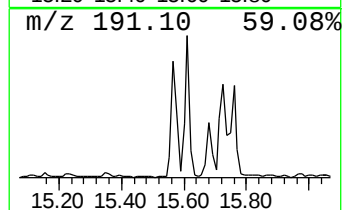
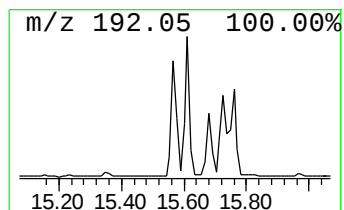
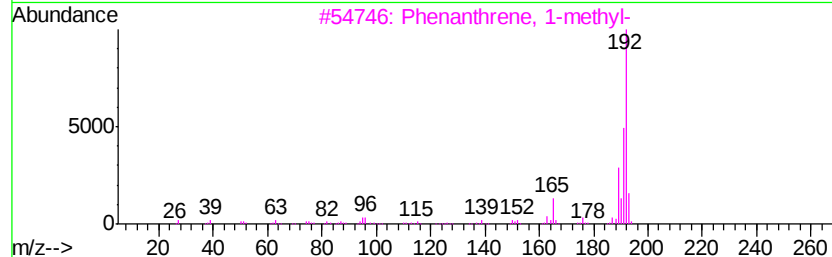
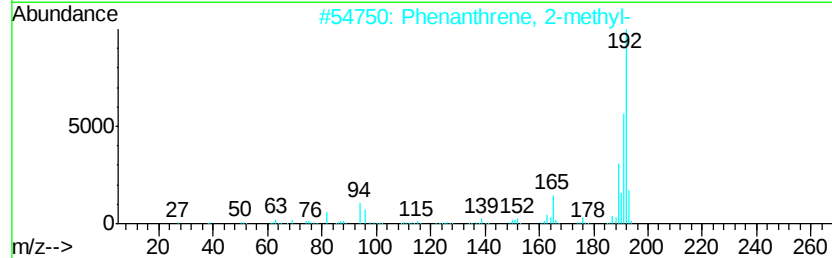
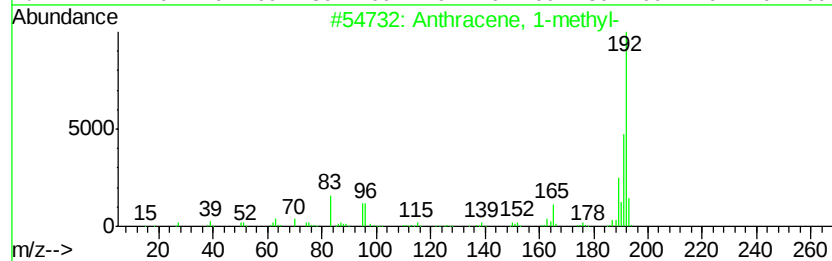
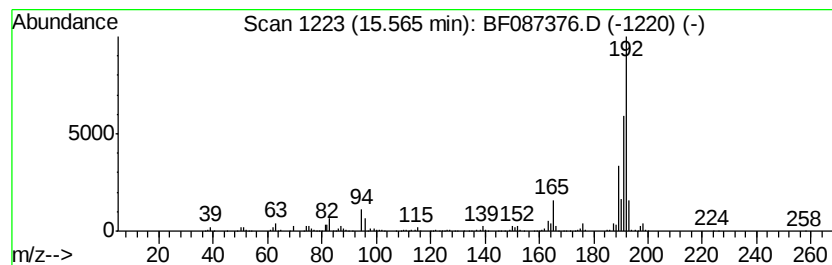
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	21.36 ng	905682	Phenanthrene-d10	14.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
Data File : BF087376.D
Acq On : 25 May 2016 17:18
Operator : UM/SJ
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :
E-4(12.5-13)

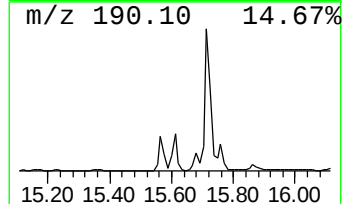
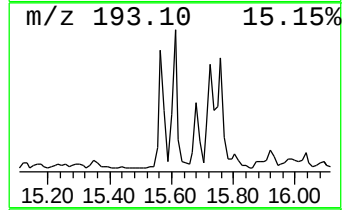
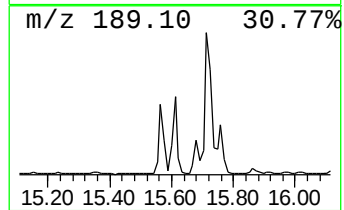
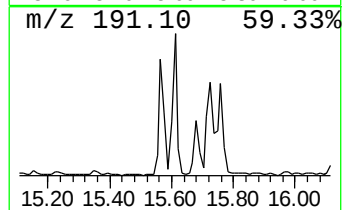
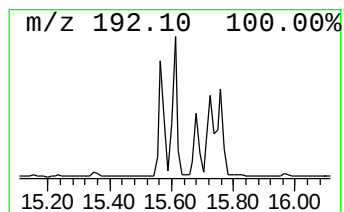
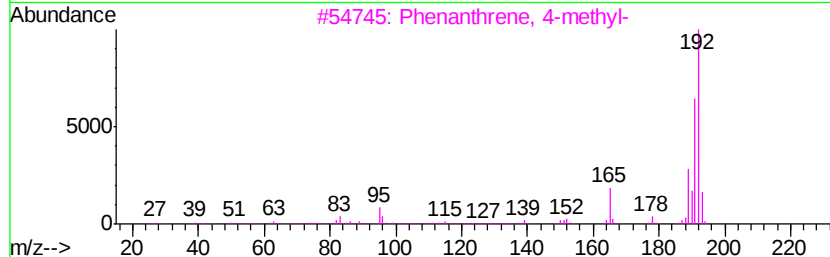
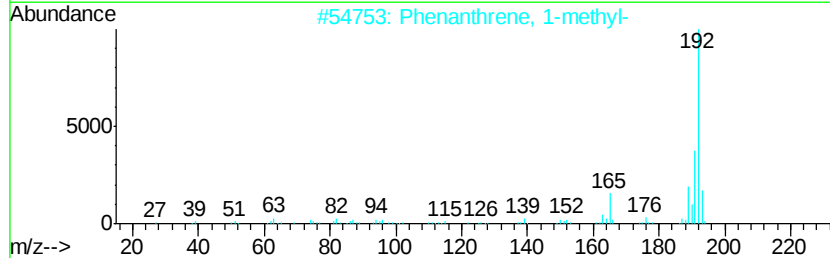
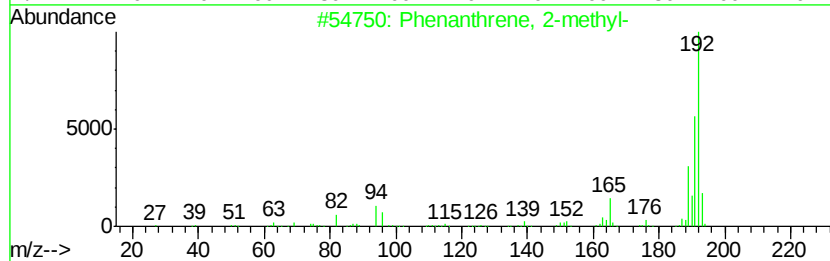
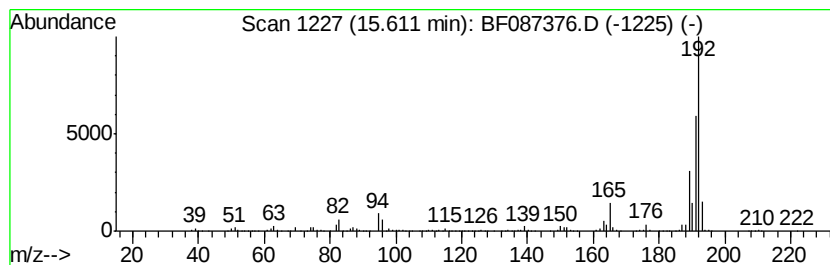
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.61	23.17 ng	982405	Phenanthrene-d10	14.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087376.D
Acq On : 25 May 2016 17:18
Operator : UM/SJ
Sample : H3218-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

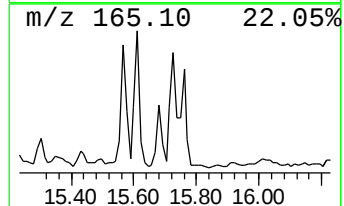
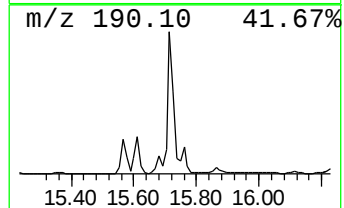
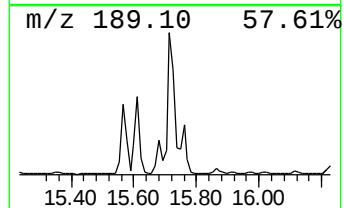
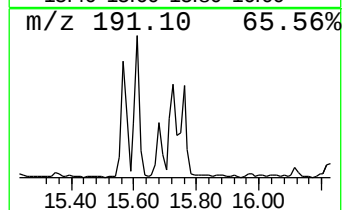
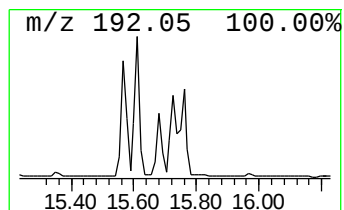
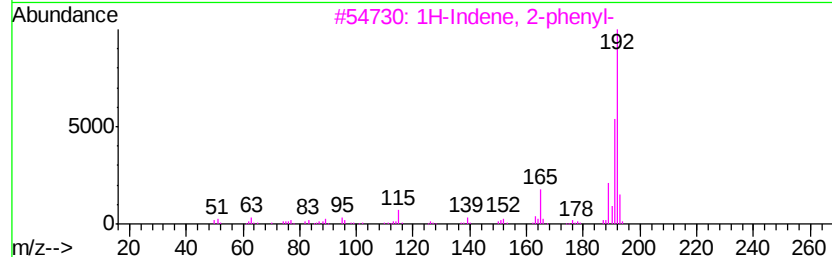
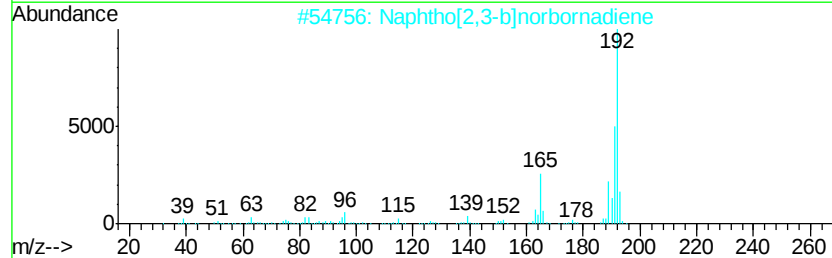
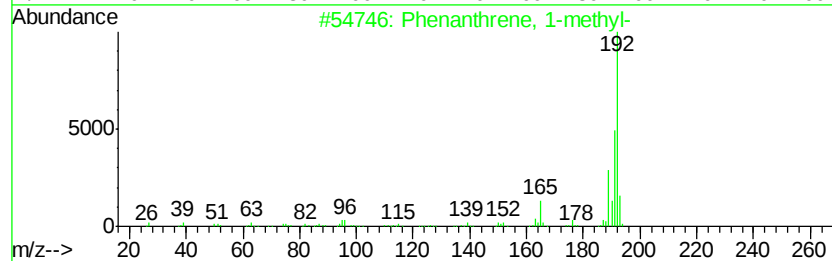
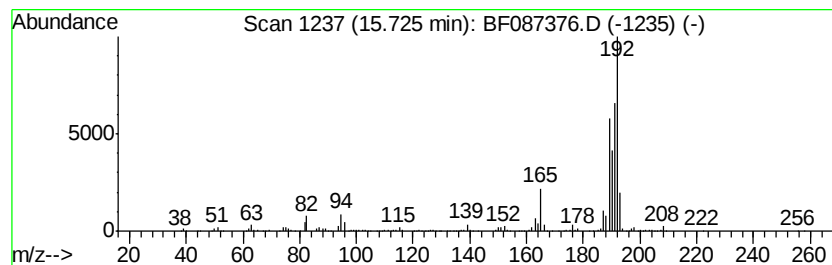
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	26.19 ng	1110610	Phenanthrene-d10	14.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	78
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087376.D
Acq On : 25 May 2016 17:18
Operator : UM/SJ
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Instrument :
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ClientSampleId :
E-4(12.5-13)

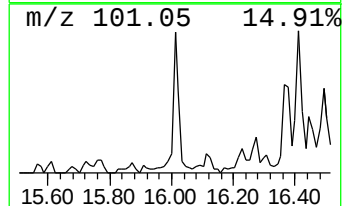
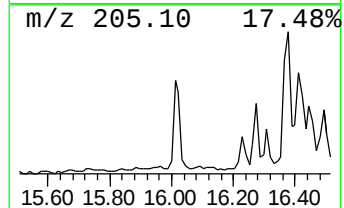
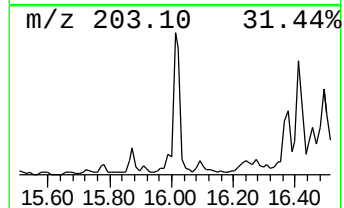
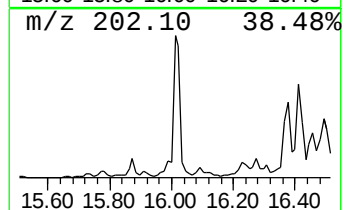
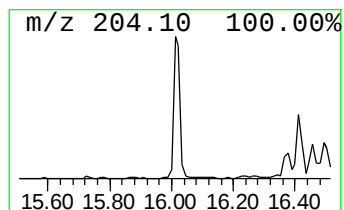
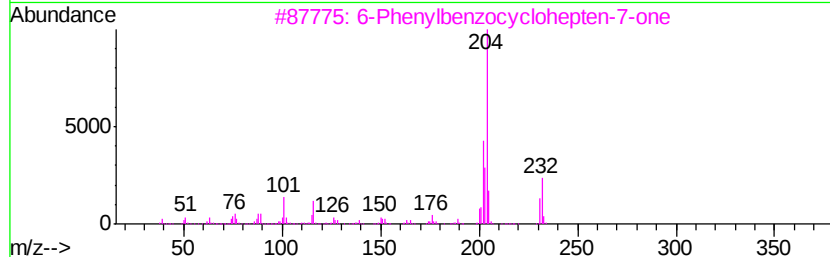
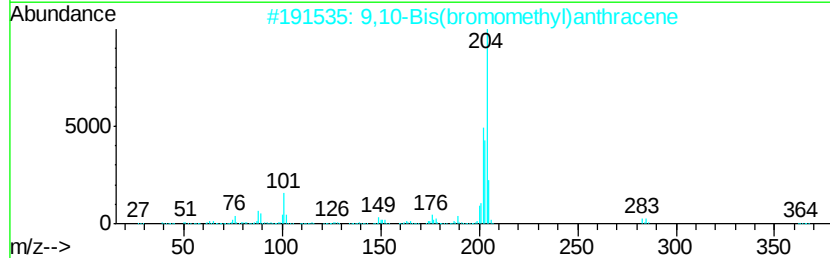
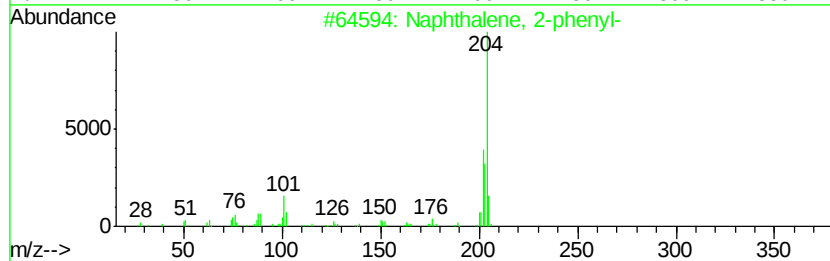
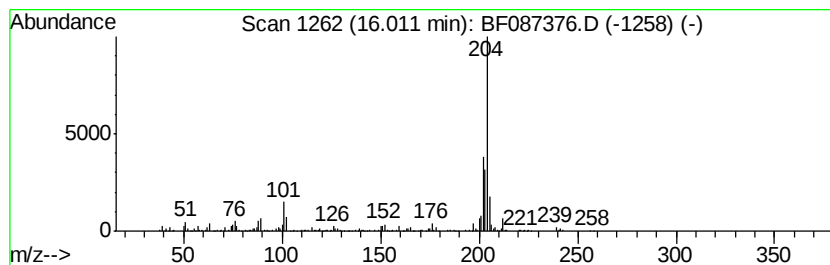
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	13.47 ng	571196	Phenanthrene-d10	14.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	91
3		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
4		5,16[1',2'':8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087376.D
Acq On : 25 May 2016 17:18
Operator : UM/SJ
Sample : H3218-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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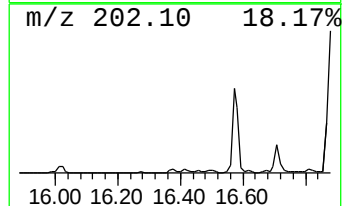
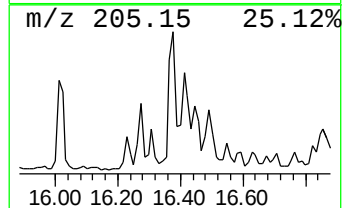
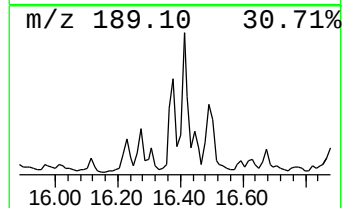
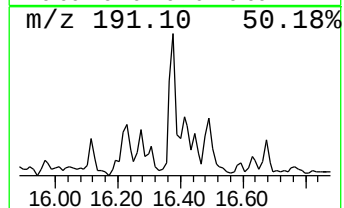
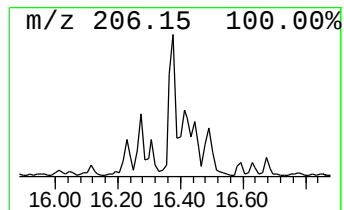
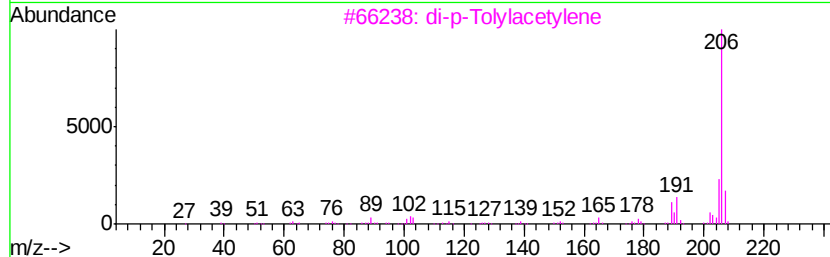
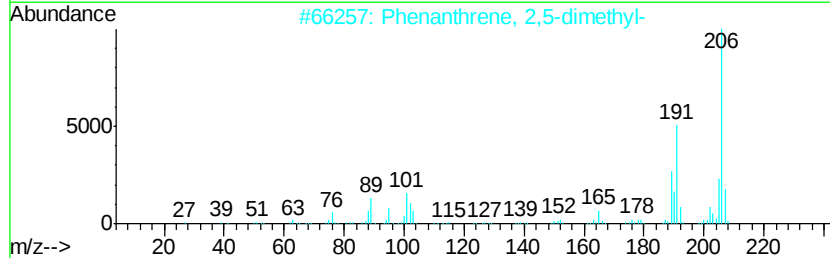
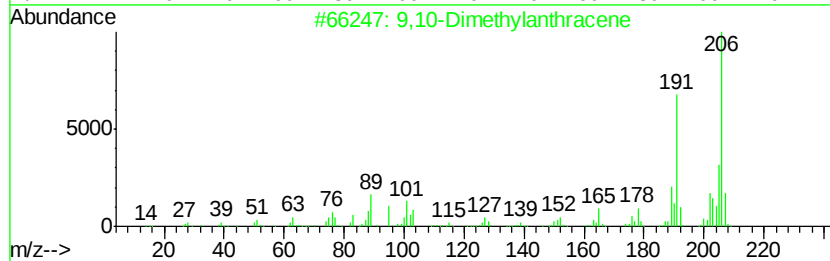
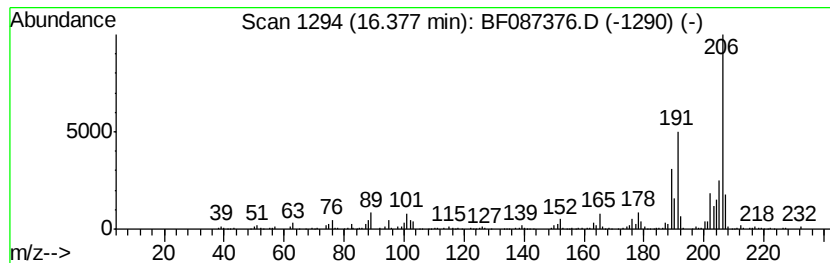
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 9,10-Dimethylantracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	15.06 ng	638353	Phenanthrene-d10	14.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Dimethylantracene	206	C16H14	000781-43-1	96
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3		di-p-Tolylacetvlene	206	C16H14	002789-88-0	91
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
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Acq On : 25 May 2016 17:18
Operator : UM/SJ
Sample : H3218-06
Misc :
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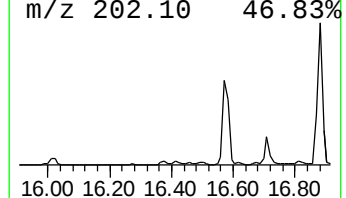
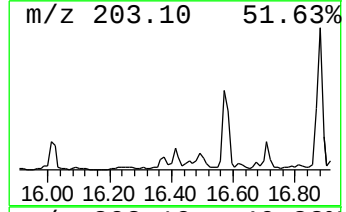
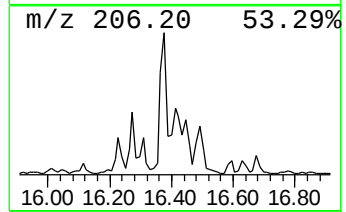
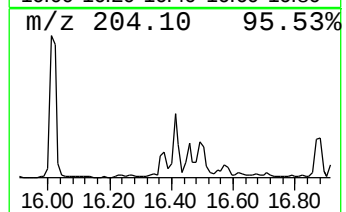
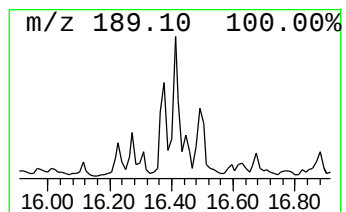
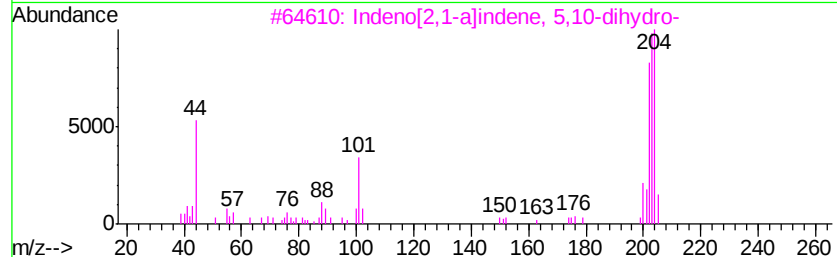
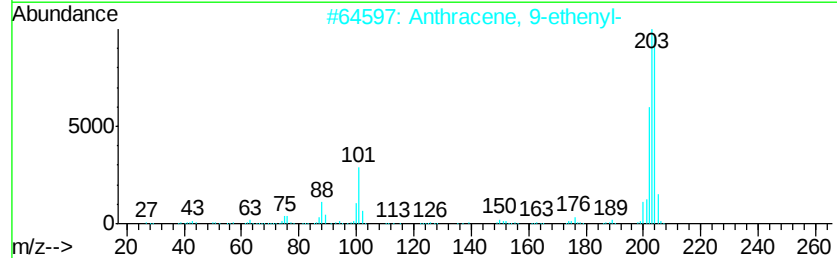
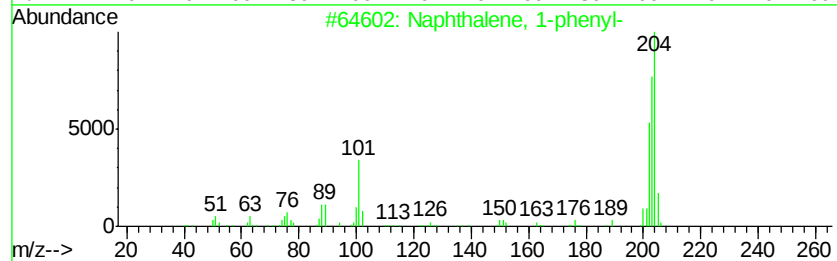
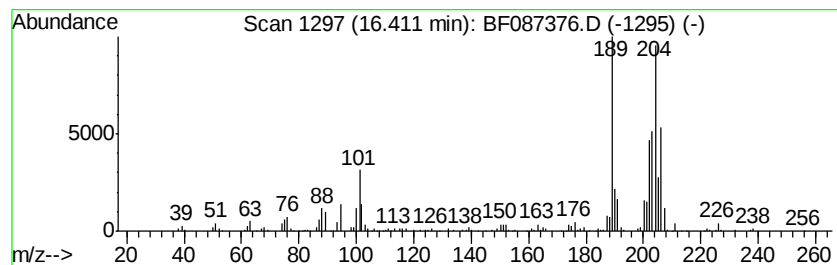
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Naphthalene, 1-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
16.41	10.97 ng	465310	Phenanthrene-d10	14.78		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
2		Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	51
3		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	46
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
5		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF052516\
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Acq On : 25 May 2016 17:18
Operator : UM/SJ
Sample : H3218-06
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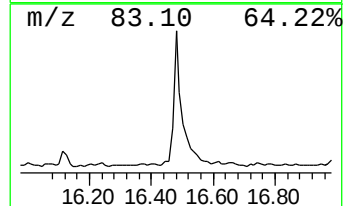
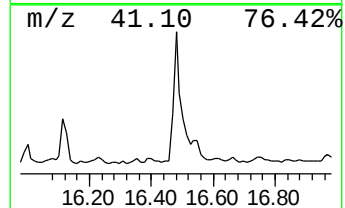
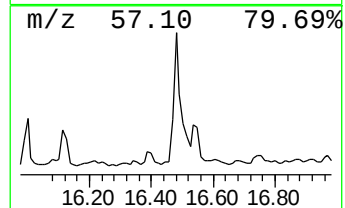
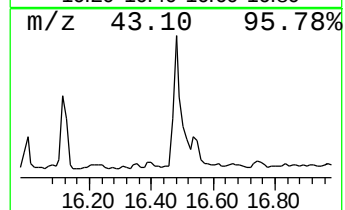
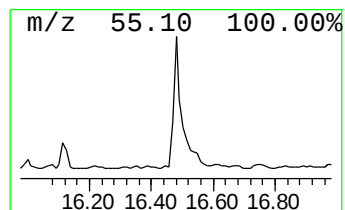
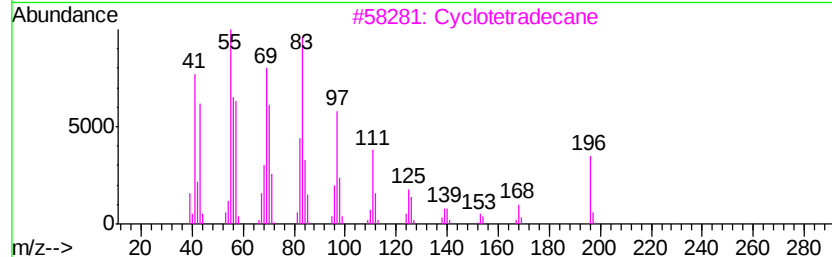
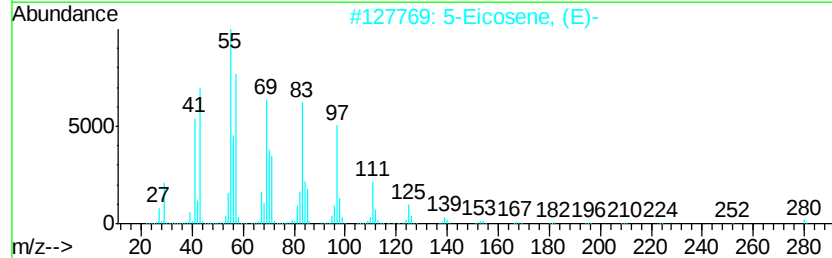
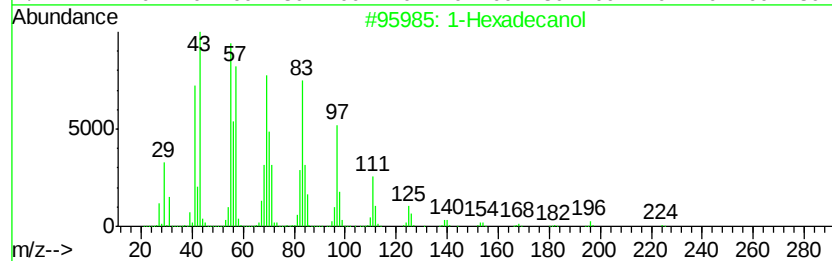
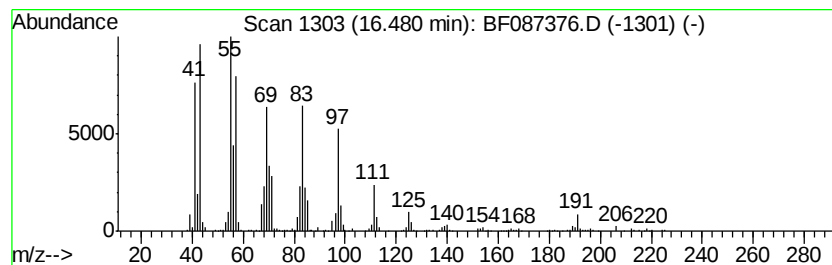
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 1-Hexadecanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
16.48	29.68 ng	1258460	Phenanthrene-d10		14.78
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexadecanol	242	C16H34O	036653-82-4	94
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	93
3	Cyclotetradecane	196	C14H28	000295-17-0	93
4	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
5	n-Heptadecanol-1	256	C17H36O	001454-85-9	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
 Data File : BF087376.D
 Acq On : 25 May 2016 17:18
 Operator : UM/SJ
 Sample : H3218-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.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
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Naphthalene, 1-me...	10.87	51.8	ng	2817120	2	9.54	1088740	20.0
Naphthalene, 2-et...	11.62	14.8	ng	1166530	3	12.38	1573720	20.0
Naphthalene, 1,7-...	11.73	23.5	ng	1847000	3	12.38	1573720	20.0
Naphthalene, 1,6-...	11.85	27.9	ng	2192800	3	12.38	1573720	20.0
9H-Fluorene, 1-me...	14.17	15.4	ng	652136	4	14.78	847974	20.0
Naphtho[2,3-b]thi...	14.61	14.0	ng	594887	4	14.78	847974	20.0
Dibenzothiophene,...	15.30	17.4	ng	737285	4	14.78	847974	20.0
Anthracene, 1-met...	15.57	21.4	ng	905682	4	14.78	847974	20.0
Phenanthrene, 2-m...	15.61	23.2	ng	982405	4	14.78	847974	20.0
Phenanthrene, 1-m...	15.73	26.2	ng	1110610	4	14.78	847974	20.0
Naphthalene, 2-ph...	16.01	13.5	ng	571196	4	14.78	847974	20.0
9,10-Dimethylanth...	16.38	15.1	ng	638353	4	14.78	847974	20.0
Naphthalene, 1-ph...	16.41	11.0	ng	465310	4	14.78	847974	20.0
1-Hexadecanol	16.48	29.7	ng	1258460	4	14.78	847974	20.0