

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
 Data File : BF088381.D
 Acq On : 25 Jun 2016 17:14
 Operator : UM/SJ
 Sample : H3624-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-STA-1481(0-4)

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-BF060716.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	1.701	8	10	16	rBV	936407	1748939	48.89%	2.752%
2	1.815	16	20	29	rVB	706293	1313693	36.73%	2.067%
3	1.941	29	31	46	rVB	329365	613386	17.15%	0.965%
4	4.661	267	269	280	rBV	76995	152140	4.25%	0.239%
5	5.141	308	311	320	rBV	879773	1305102	36.48%	2.054%
6	6.227	403	406	413	rBV	1154233	1309196	36.60%	2.060%
7	6.330	413	415	420	rVV	1460846	1415761	39.58%	2.228%
8	6.558	433	435	441	rBV	422038	445343	12.45%	0.701%
9	6.718	447	449	451	rBV	1061738	1243374	34.76%	1.957%
10	7.141	484	486	488	rBV	670656	895394	25.03%	1.409%
11	7.850	546	548	550	rBV	580759	634743	17.74%	0.999%
12	8.924	640	642	645	rVV	1782374	1711906	47.86%	2.694%
13	9.324	675	677	680	rVV	295581	277357	7.75%	0.437%
14	9.450	686	688	691	rBV	564098	551070	15.41%	0.867%
15	9.587	698	700	702	rBV	606190	644319	18.01%	1.014%
16	10.136	742	748	751	rBV2	90730	167522	4.68%	0.264%
17	10.376	767	769	772	rBV2	730759	880460	24.61%	1.386%
18	10.502	778	780	784	rVB2	107584	184158	5.15%	0.290%
19	10.685	793	796	799	rBV4	59059	122517	3.43%	0.193%
20	10.833	805	809	812	rVB2	93683	168005	4.70%	0.264%
21	10.959	818	820	824	rVB2	73291	163156	4.56%	0.257%
22	11.096	827	832	834	rBV2	749317	1451538	40.58%	2.284%
23	11.142	834	836	838	rVV	564087	538718	15.06%	0.848%
24	11.176	838	839	842	rVB2	83721	107018	2.99%	0.168%
25	11.325	848	852	854	rBV3	125002	308553	8.63%	0.486%
26	11.393	856	858	861	rVV3	77152	136131	3.81%	0.214%
27	11.565	871	873	874	rVV	285907	278107	7.77%	0.438%
28	11.599	874	876	878	rVV	342268	367188	10.26%	0.578%
29	11.645	878	880	881	rVV	194171	183068	5.12%	0.288%
30	11.679	881	883	888	rVB2	467020	827631	23.14%	1.303%
31	11.782	891	892	895	rVV2	69821	117274	3.28%	0.185%
32	11.862	895	899	901	rVV	188683	255430	7.14%	0.402%
33	11.896	901	902	904	rVB	118595	131485	3.68%	0.207%
34	12.010	909	912	913	rBV2	106284	140870	3.94%	0.222%

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35	12.045	913	915	919	rVB	166481	282050	7.88%	0.444%
36	12.113	919	921	923	rBV	413328	521771	14.59%	0.821%
37	12.148	923	924	928	rVV2	211909	455220	12.73%	0.716%
38	12.205	928	929	933	rVB	279674	435932	12.19%	0.686%
39	12.285	933	936	938	rBV	2327551	2777011	77.63%	4.370%
40	12.342	938	941	942	rVV3	119375	259487	7.25%	0.408%
41	12.376	942	944	946	rVV	153649	232464	6.50%	0.366%
42	12.422	946	948	953	rVV4	190506	401572	11.23%	0.632%
43	12.513	953	956	958	rVV	2356615	3577105	100.00%	5.630%
44	12.559	959	960	962	rVV	218151	243564	6.81%	0.383%
45	12.650	966	968	972	rVV	1142796	1416226	39.59%	2.229%
46	12.730	972	975	978	rVV3	371527	729596	20.40%	1.148%
47	12.833	980	984	986	rVV2	475084	1038529	29.03%	1.634%
48	12.902	986	990	991	rVV	207538	402268	11.25%	0.633%
49	12.936	991	993	997	rVV	675546	977504	27.33%	1.538%
50	12.993	997	998	999	rVV	137435	150439	4.21%	0.237%
51	13.028	999	1001	1002	rVV	408909	442562	12.37%	0.697%
52	13.050	1002	1003	1008	rVV3	252736	547109	15.29%	0.861%
53	13.130	1008	1010	1013	rVV4	72964	163952	4.58%	0.258%
54	13.210	1014	1017	1018	rVV3	97847	200839	5.61%	0.316%
55	13.233	1018	1019	1024	rVV4	144068	361300	10.10%	0.569%
56	13.348	1024	1029	1032	rVV	524820	876704	24.51%	1.380%
57	13.393	1032	1033	1035	rVV2	127137	188547	5.27%	0.297%
58	13.450	1035	1038	1041	rVV3	477213	1166544	32.61%	1.836%
59	13.496	1041	1042	1046	rVV3	434794	779433	21.79%	1.227%
60	13.553	1046	1047	1050	rVV2	431609	734628	20.54%	1.156%
61	13.622	1051	1053	1056	rVV	103303	218643	6.11%	0.344%
62	13.702	1056	1060	1061	rVV2	1492799	2987841	83.53%	4.702%
63	13.736	1061	1063	1066	rVV	1586771	2297886	64.24%	3.616%
64	13.805	1068	1069	1070	rVV	245697	227173	6.35%	0.358%
65	13.851	1071	1073	1077	rVV3	285866	790042	22.09%	1.243%
66	13.908	1077	1078	1082	rVV2	193981	516652	14.44%	0.813%
67	14.022	1086	1088	1089	rVV	113269	150847	4.22%	0.237%
68	14.091	1089	1094	1095	rVV	532343	1032944	28.88%	1.626%
69	14.113	1095	1096	1098	rVV2	259509	423736	11.85%	0.667%
70	14.182	1098	1102	1103	rVV4	225218	614461	17.18%	0.967%
71	14.205	1103	1104	1108	rVV2	349717	685695	19.17%	1.079%

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72	14.273	1108	1110	1114	rVV3	127056	264180	7.39%	0.416%
73	14.411	1117	1122	1125	rBV2	201989	469226	13.12%	0.738%
74	14.491	1125	1129	1131	rVB2	106843	268762	7.51%	0.423%
75	14.559	1133	1135	1137	rVV	303857	358567	10.02%	0.564%
76	14.605	1137	1139	1141	rVV3	96087	148222	4.14%	0.233%
77	14.708	1145	1148	1151	rBV2	1506066	3505860	98.01%	5.518%
78	14.788	1154	1155	1157	rVV	458495	457644	12.79%	0.720%
79	14.868	1160	1162	1164	rBV3	101345	215326	6.02%	0.339%
80	14.959	1167	1170	1172	rBV	848418	1215800	33.99%	1.913%
81	15.016	1172	1175	1177	rVV	1144888	1522575	42.56%	2.396%
82	15.062	1177	1179	1180	rVV	244743	324999	9.09%	0.511%
83	15.085	1180	1181	1184	rVB2	373452	446977	12.50%	0.703%
84	15.211	1190	1192	1193	rBV2	75385	112154	3.14%	0.177%
85	15.245	1193	1195	1199	rVB2	82247	152237	4.26%	0.240%
86	15.428	1208	1211	1213	rBV3	116288	194400	5.43%	0.306%
87	15.531	1218	1220	1224	rVB2	81128	147261	4.12%	0.232%
88	15.976	1258	1259	1262	rVV2	61694	121234	3.39%	0.191%
89	16.034	1262	1264	1269	rVB3	74747	149574	4.18%	0.235%
90	16.125	1269	1272	1273	rBV2	94955	150402	4.20%	0.237%
91	16.205	1277	1279	1284	rVB2	47877	95830	2.68%	0.151%
92	16.296	1284	1287	1290	rBV	552769	1032955	28.88%	1.626%
93	16.354	1290	1292	1295	rVB	66560	120143	3.36%	0.189%
94	16.434	1296	1299	1301	rBV	110745	214796	6.00%	0.338%
95	16.479	1301	1303	1307	rVB2	76765	152608	4.27%	0.240%
96	16.662	1316	1319	1328	rVB	341683	770529	21.54%	1.213%
97	16.879	1335	1338	1343	rVB	77606	196295	5.49%	0.309%
98	18.537	1477	1483	1488	rBV	84487	327095	9.14%	0.515%
99	18.708	1494	1498	1502	rBV	52384	189263	5.29%	0.298%
100	19.508	1563	1568	1571	rBV2	30283	116890	3.27%	0.184%

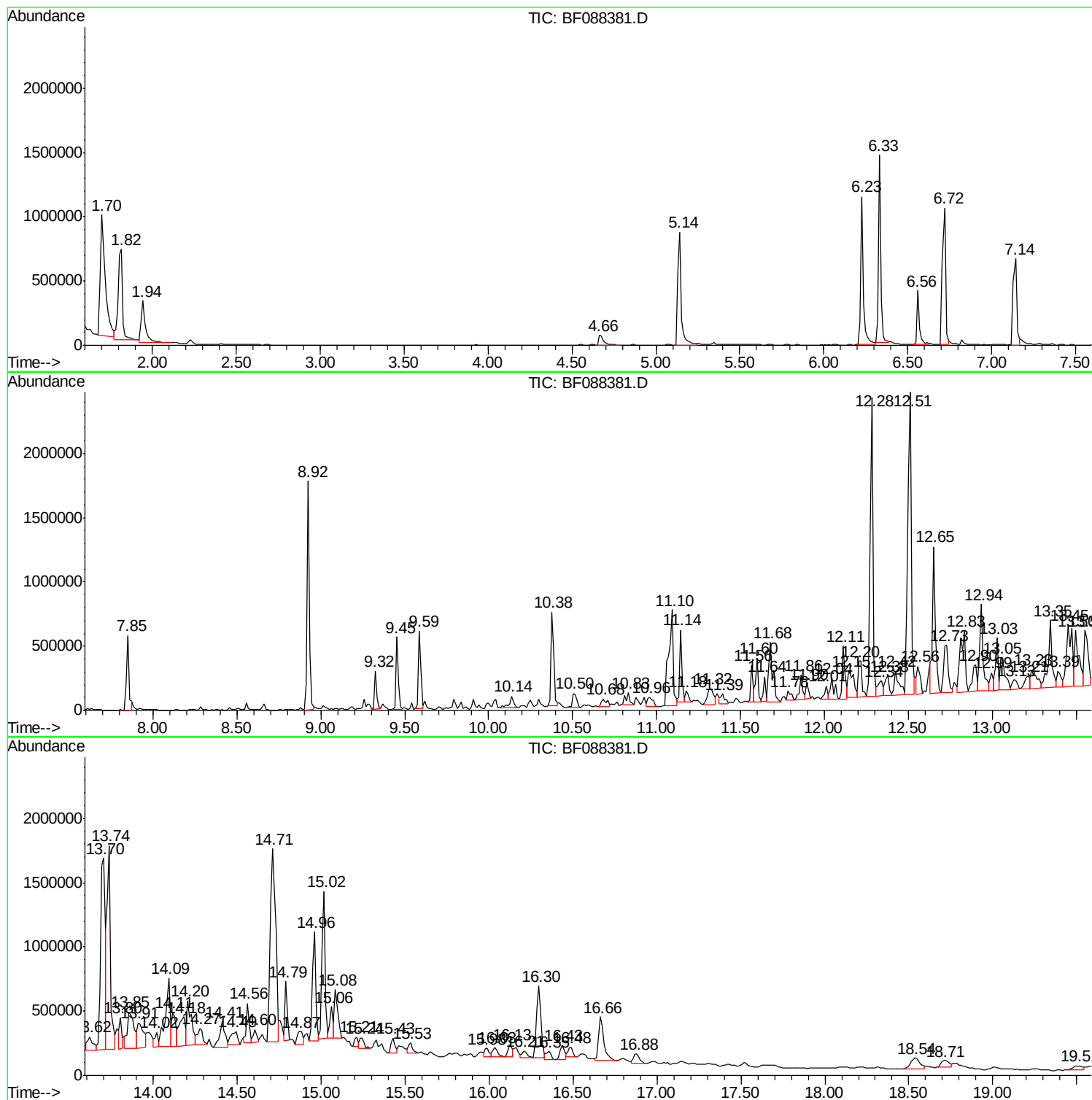
Sum of corrected areas: 63540632

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.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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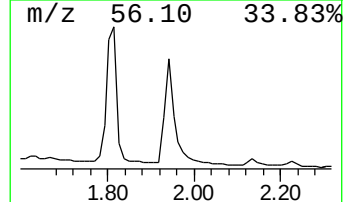
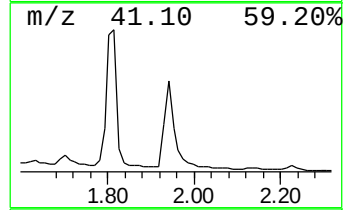
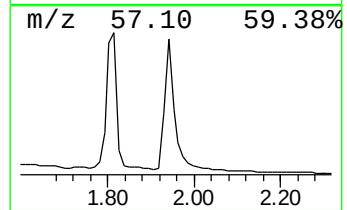
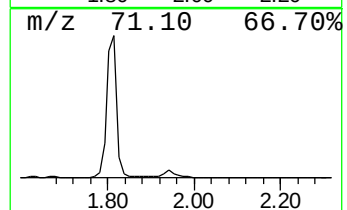
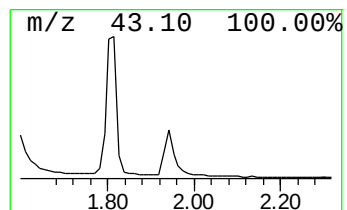
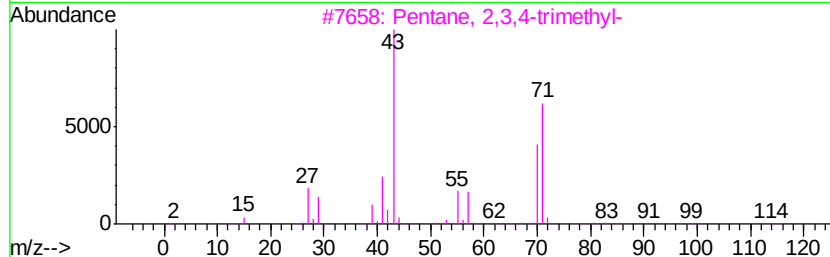
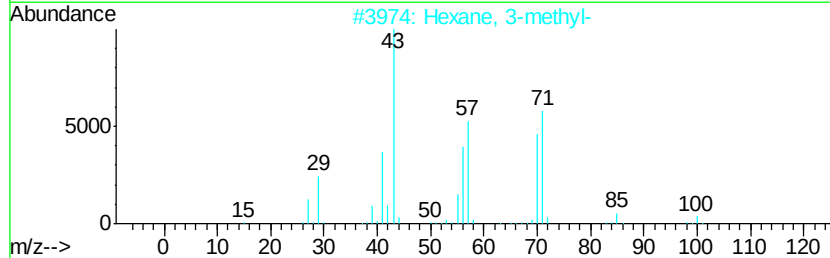
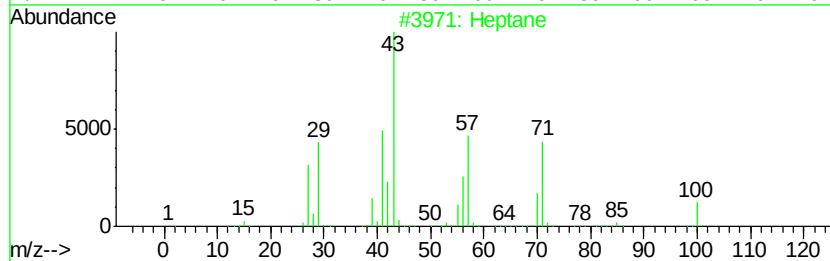
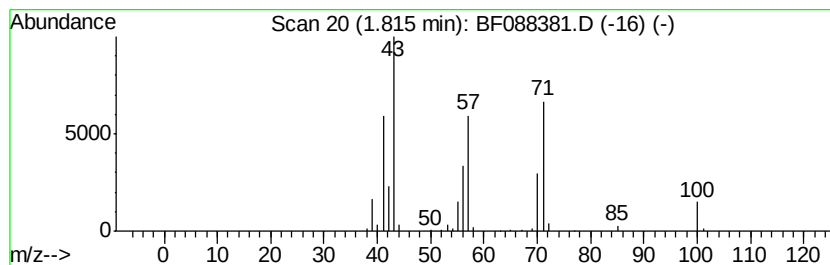
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Heptane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	59.00 ng	1313690	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptane	100	C7H16	000142-82-5	91
2		Hexane, 3-methyl-	100	C7H16	000589-34-4	43
3		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	40
4		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	38
5		Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	38



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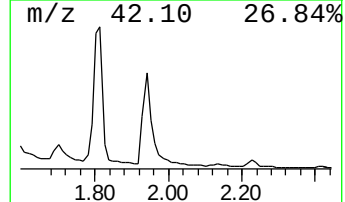
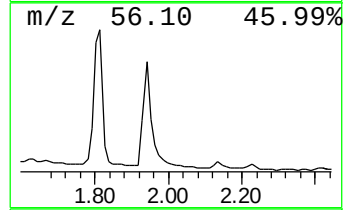
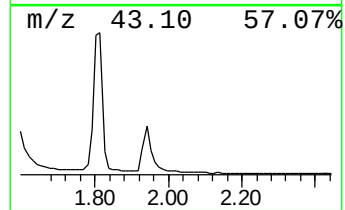
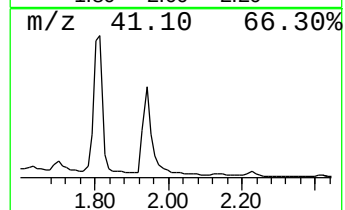
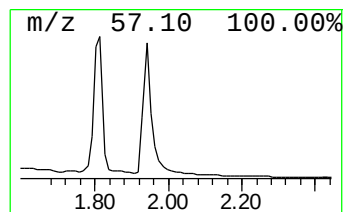
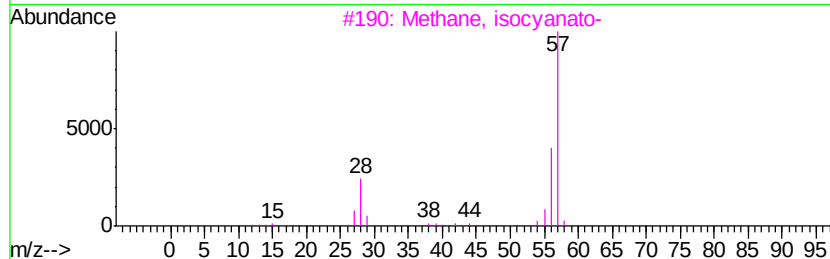
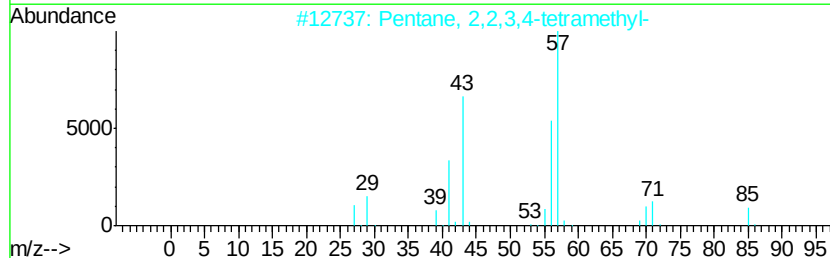
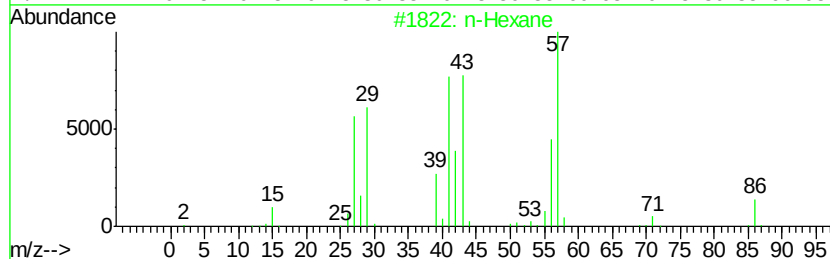
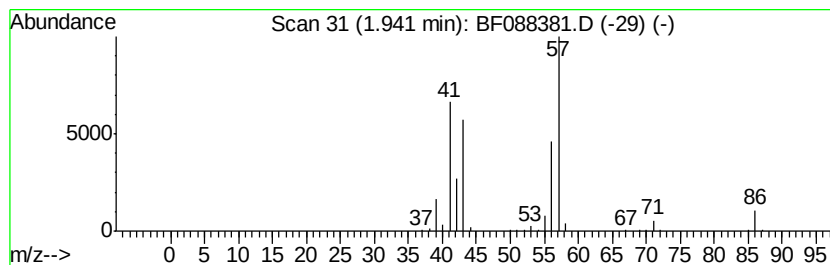
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
1.94	27.55 ng	613386	1,4-Dichlorobenzene-d4	6.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	91
2	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53
3	Methane, isocvanato-	57	C2H3NO	000624-83-9	37
4	Butanal, 2-methyl-	86	C5H10O	000096-17-3	35
5	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	32



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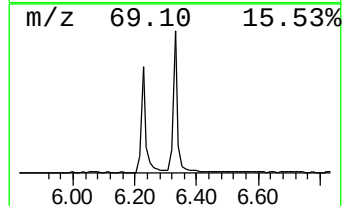
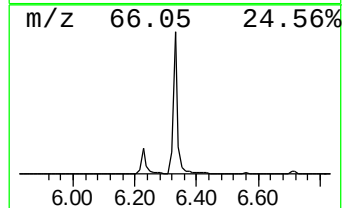
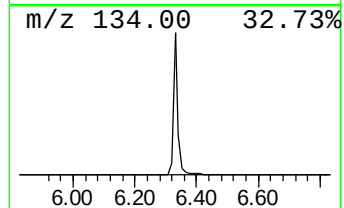
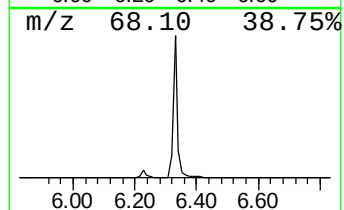
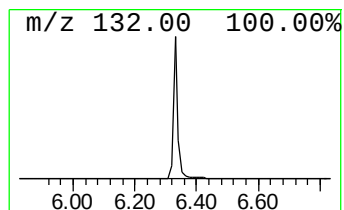
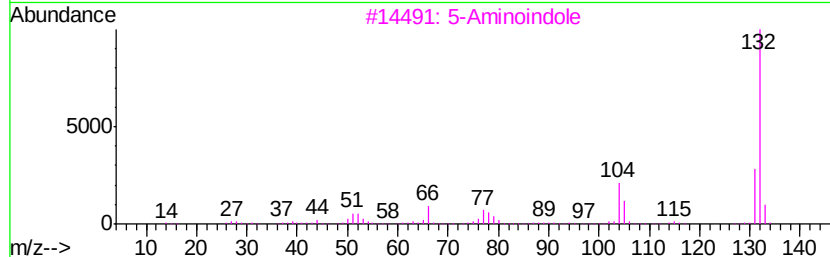
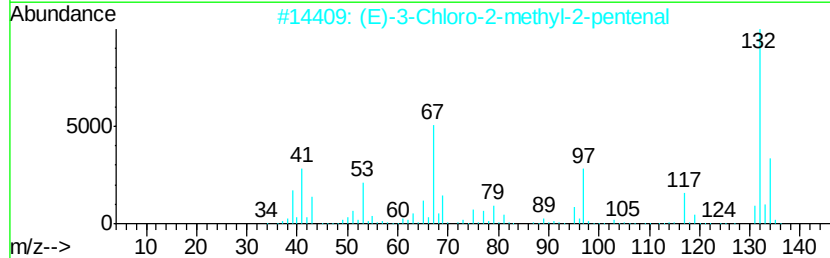
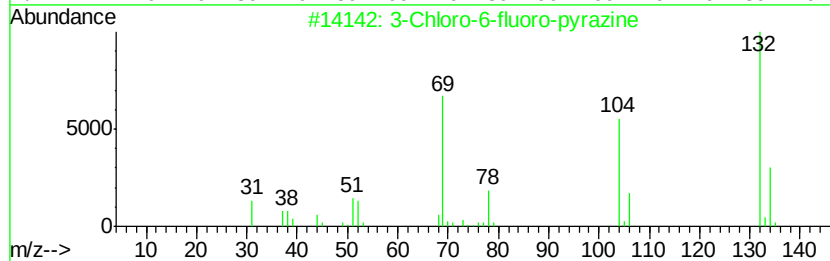
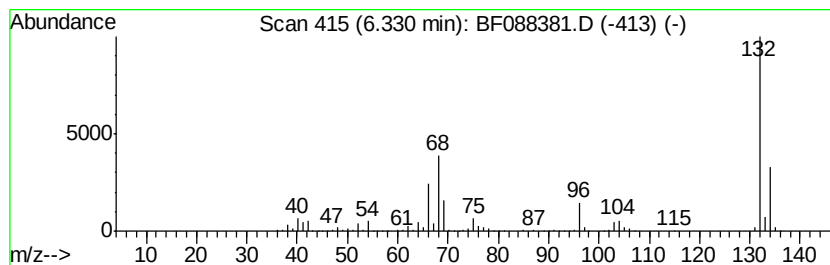
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown6.33 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.33	63.58 ng	1415760	1,4-Dichlorobenzene-d4	6.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
Data File : BF088381.D
Acq On : 25 Jun 2016 17:14
Operator : UM/SJ
Sample : H3624-05
Misc :
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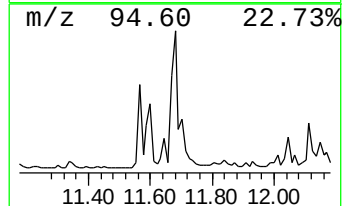
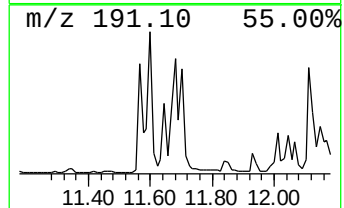
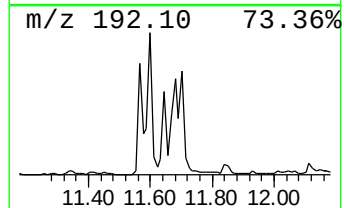
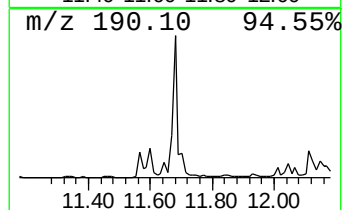
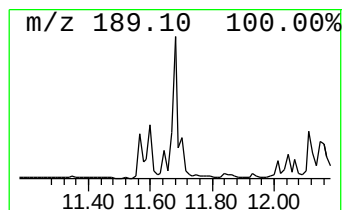
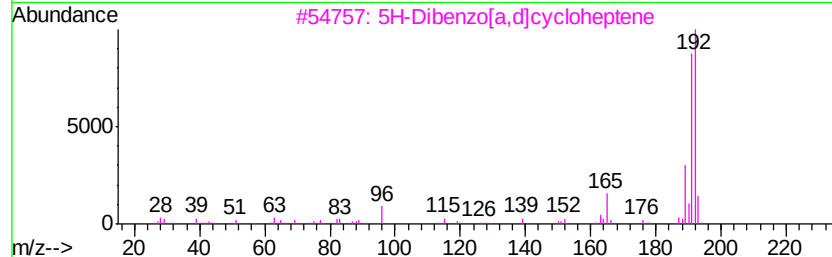
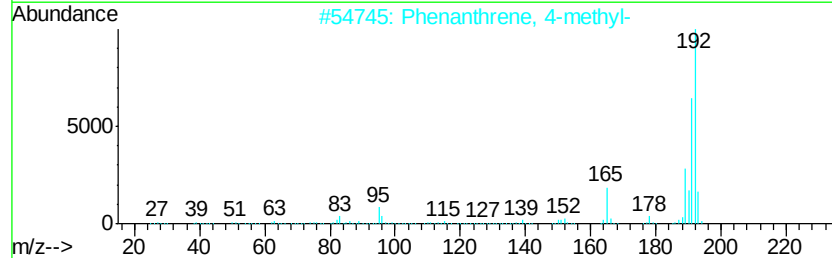
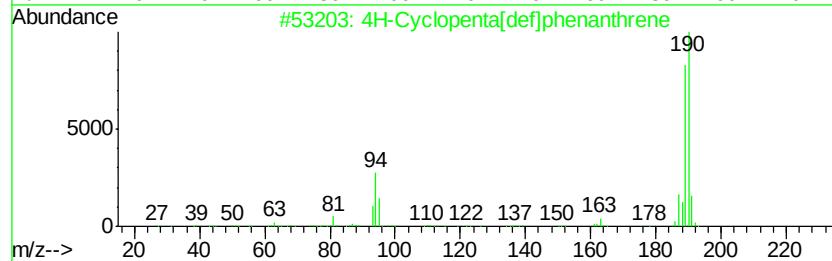
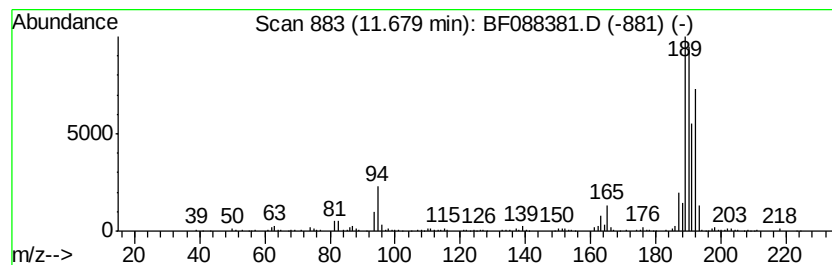
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SC-STA-1481(0-4)

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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 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.68	11.40 ng	827631	Phenanthrene-d10		11.07	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
3		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088381.D
Acq On : 25 Jun 2016 17:14
Operator : UM/SJ
Sample : H3624-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

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ClientSampleId :
SC-STA-1481(0-4)

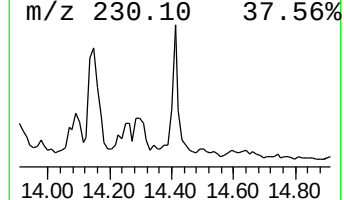
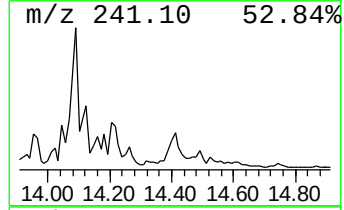
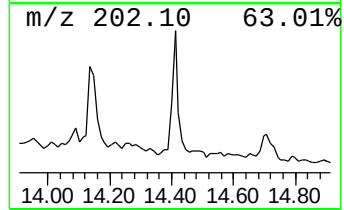
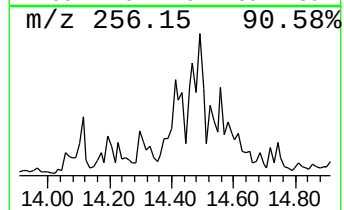
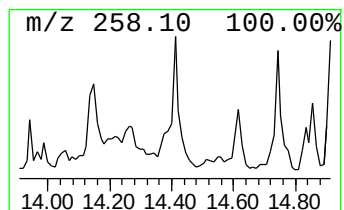
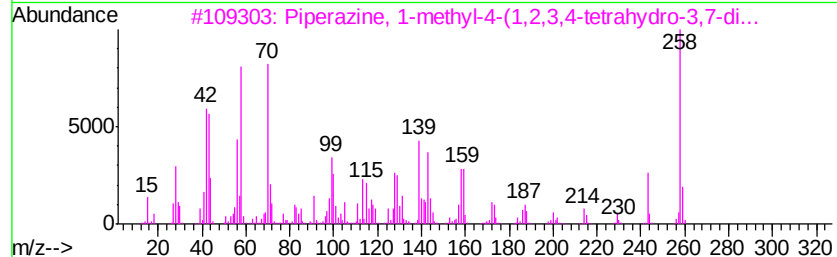
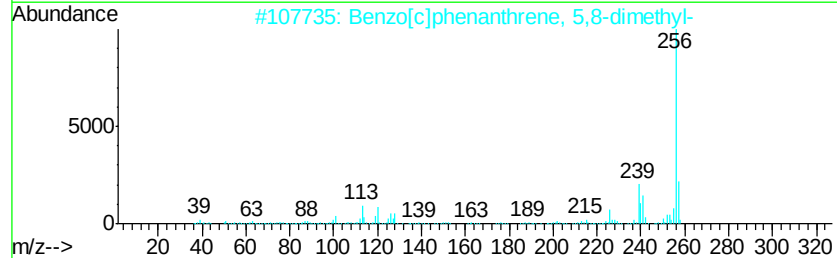
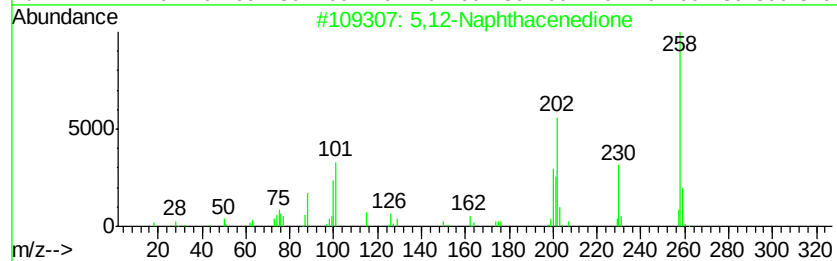
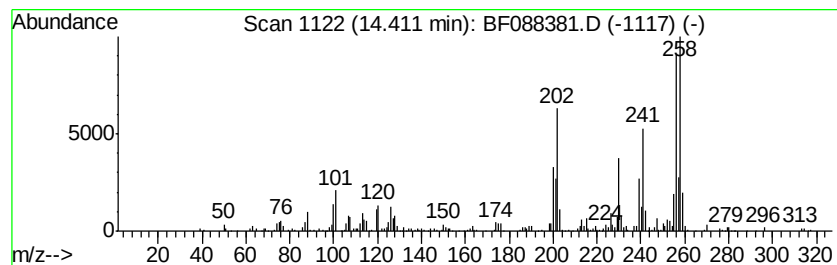
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 5,12-Naphthacenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	28.88 ng	469226	Perylene-d12	15.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	94
2		Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	93
3		Piperazine, 1-methyl-4-(1,2,3,4-tetrahydro-3,7-di...	258	C17H26N2	055591-14-5	90
4		Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	87
5		Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088381.D
Acq On : 25 Jun 2016 17:14
Operator : UM/SJ
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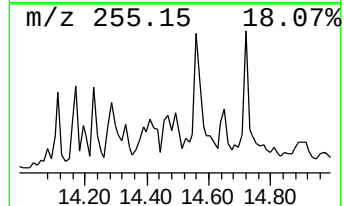
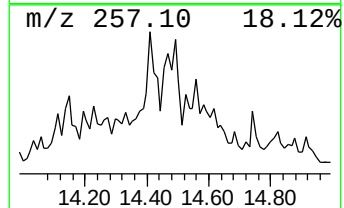
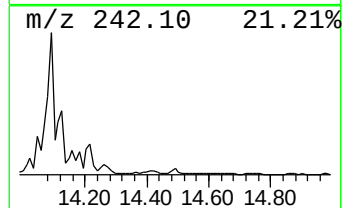
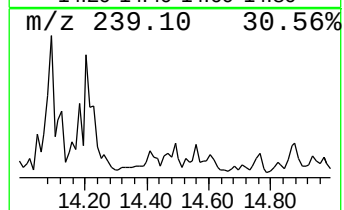
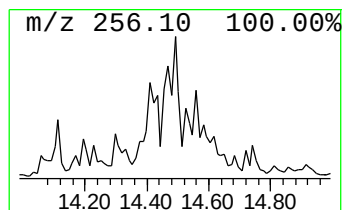
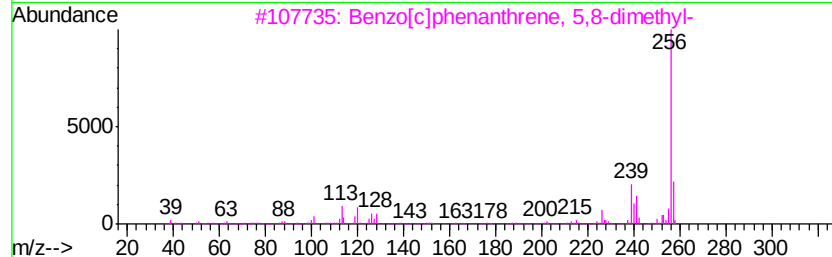
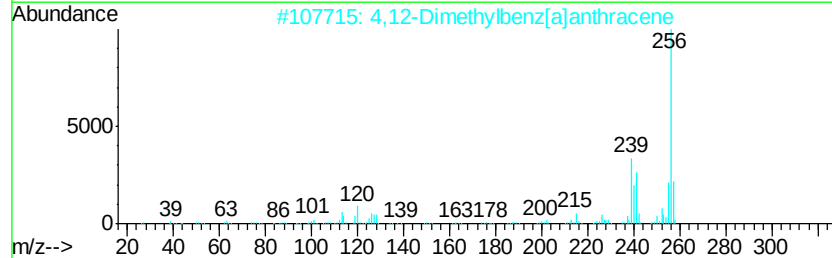
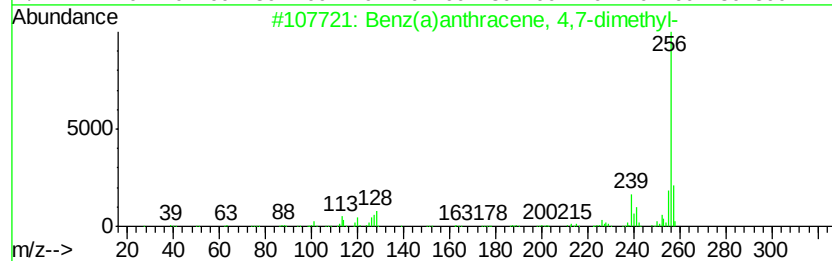
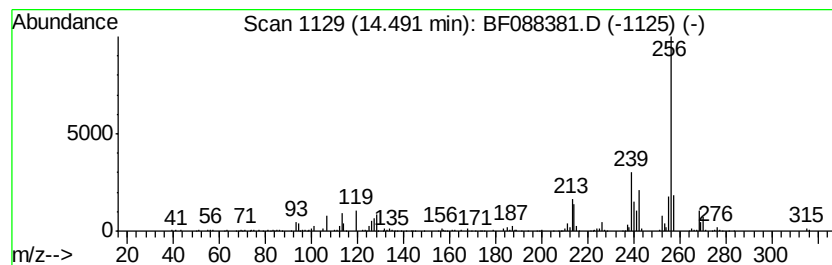
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benz(a)anthracene, 4,7-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	16.54 ng	268762	Perylene-d12	15.06

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	86
2			4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	86
3			Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	83
4			Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	83
5			Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
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Acq On : 25 Jun 2016 17:14
Operator : UM/SJ
Sample : H3624-05
Misc :
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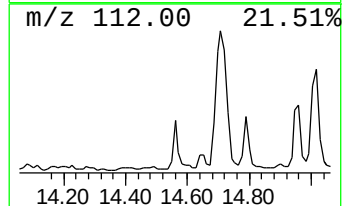
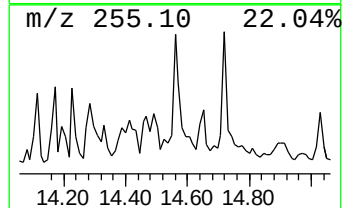
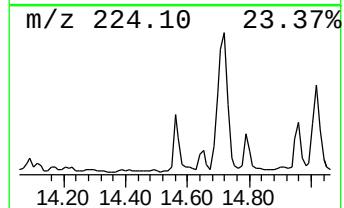
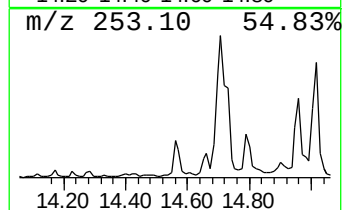
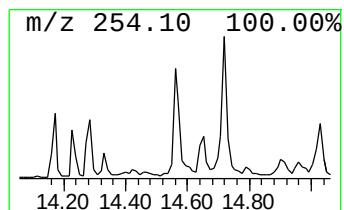
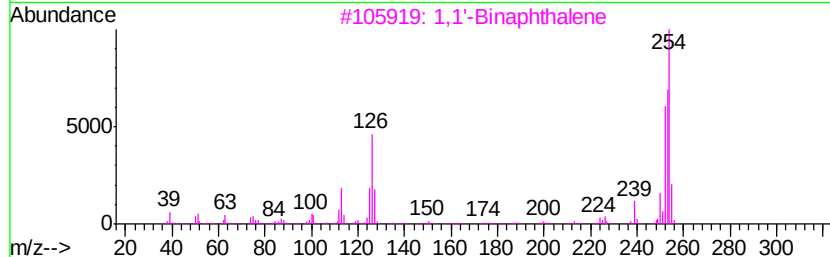
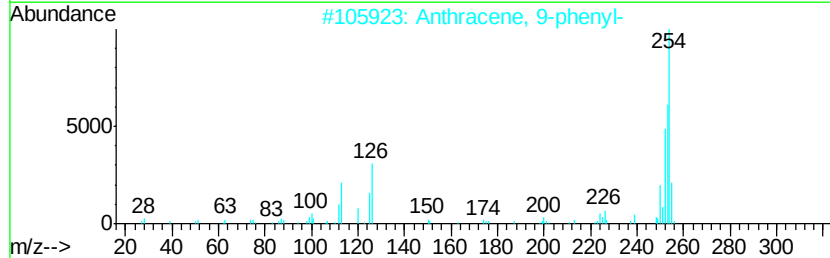
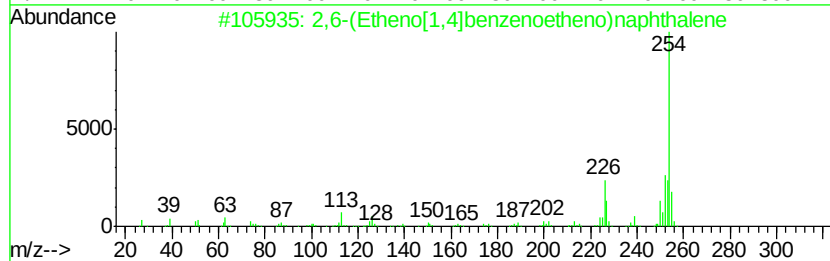
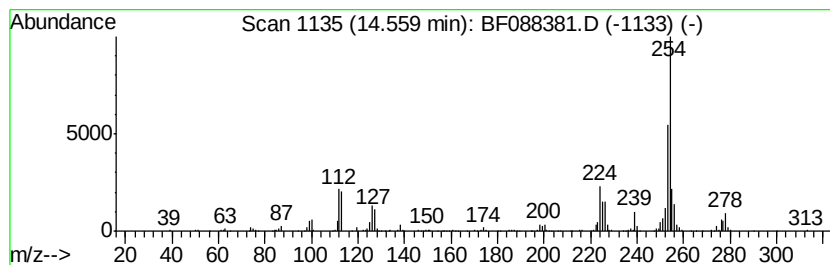
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 2,6-(Etheno[1,4]benzenoethe... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	22.07 ng	358567	Perylene-d12	15.06
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	2,6-(Etheno[1,4]benzenoetheno)na...	254 C20H14	117054-70-3	60
2	Anthracene, 9-phenyl-	254 C20H14	000602-55-1	58
3	1,1'-Binaphthalene	254 C20H14	000604-53-5	58
4	Imidazo[1,2-b]-1,2,4-triazine, 6...	254 C14H14N4O	1000277-24-4	53
5	Benzo(a)pyrene, 7,8-dihydro-	254 C20H14	017573-23-8	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088381.D
Acq On : 25 Jun 2016 17:14
Operator : UM/SJ
Sample : H3624-05
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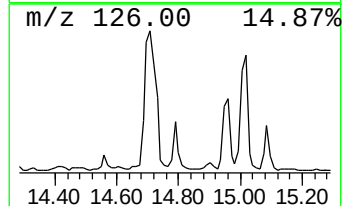
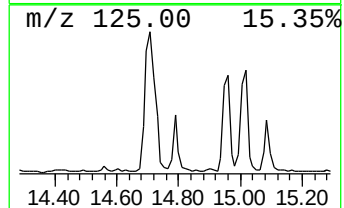
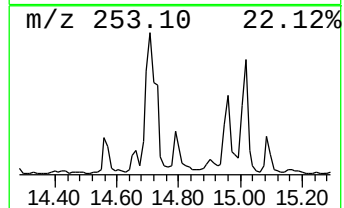
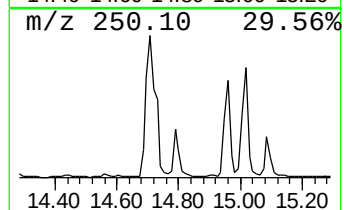
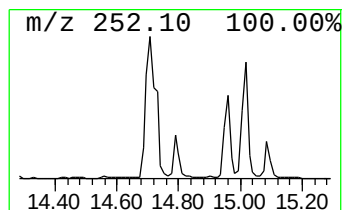
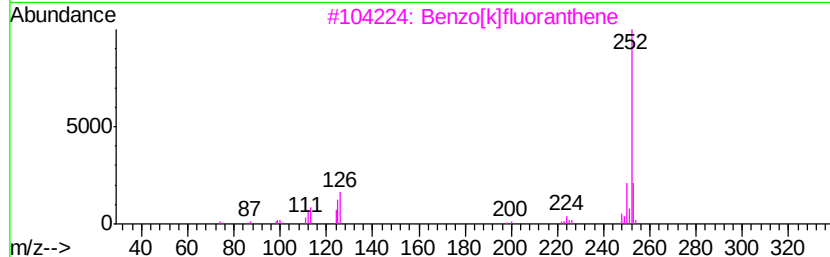
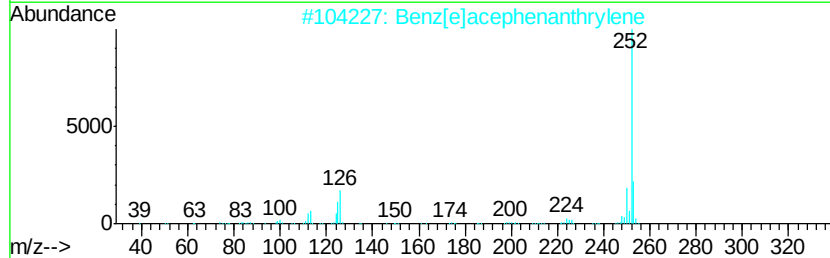
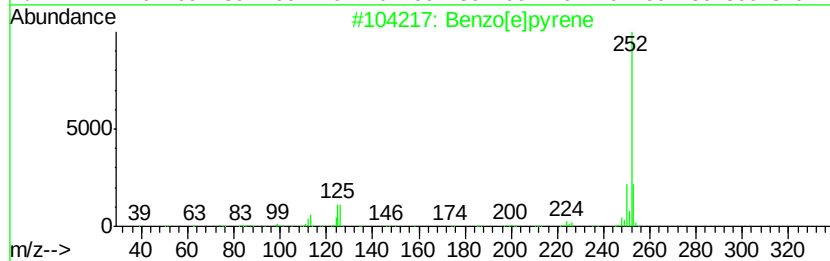
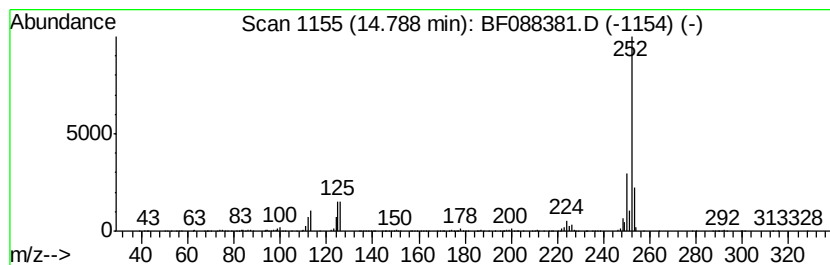
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	28.16 ng	457644	Perylene-d12	15.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	98
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
4		Benzo[i]fluoranthene	252	C20H12	000205-82-3	96
5		Benzo[a]pyrene	252	C20H12	000050-32-8	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
Data File : BF088381.D
Acq On : 25 Jun 2016 17:14
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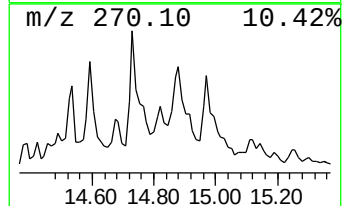
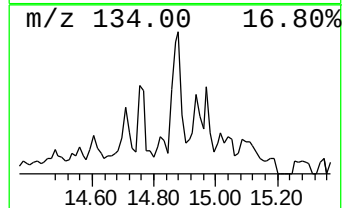
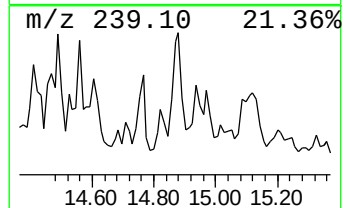
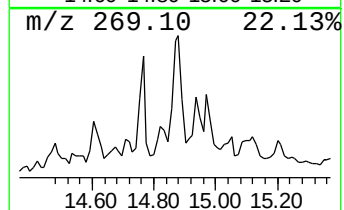
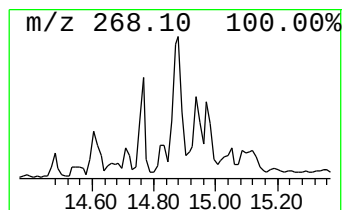
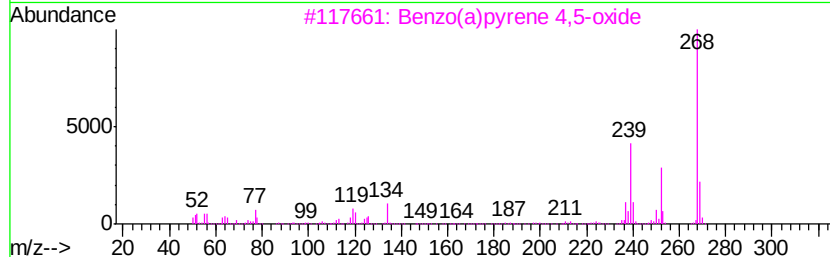
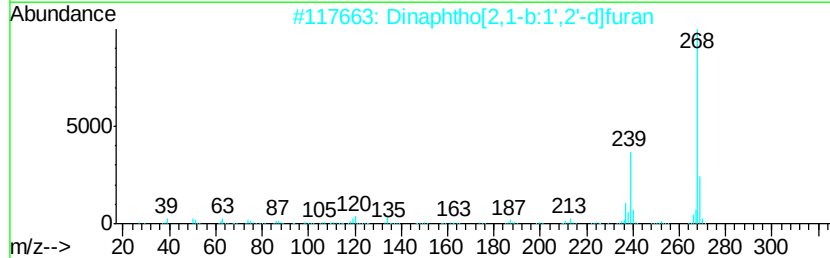
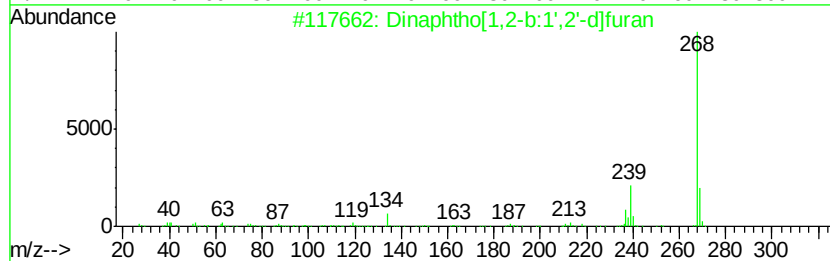
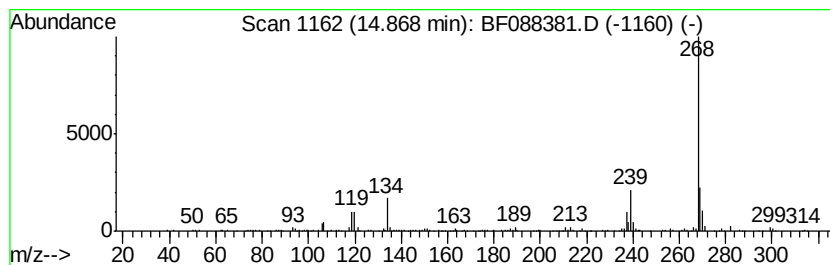
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	13.25 ng	215326	Perylene-d12	15.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	90
2		Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	81
3		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	64
4		9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
5		trans-3'-Methyl-4-(methylthio)ch...	268	C17H16OS	131316-14-8	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
Data File : BF088381.D
Acq On : 25 Jun 2016 17:14
Operator : UM/SJ
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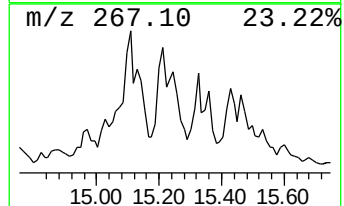
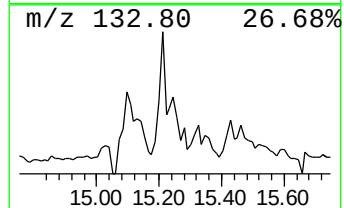
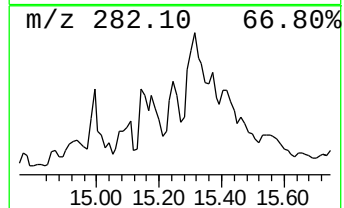
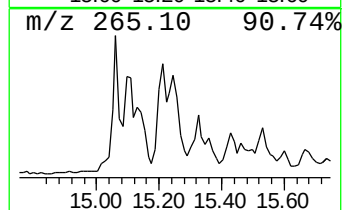
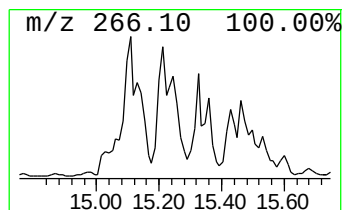
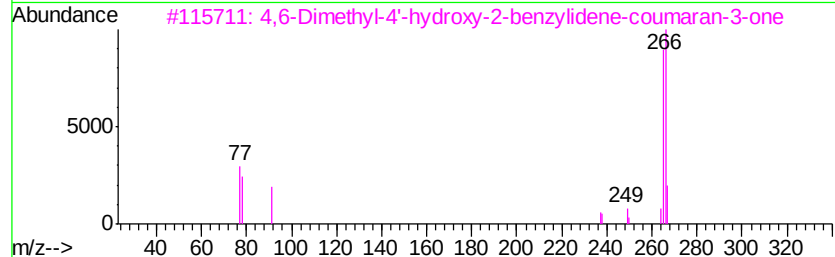
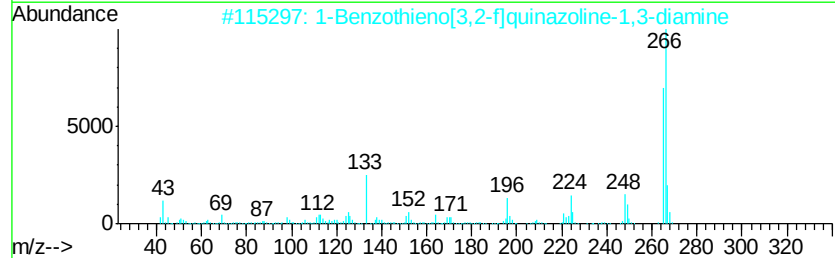
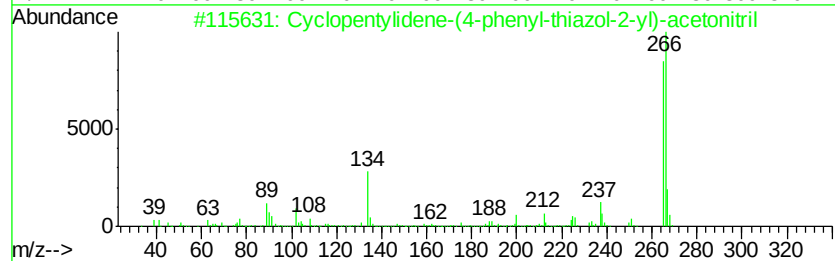
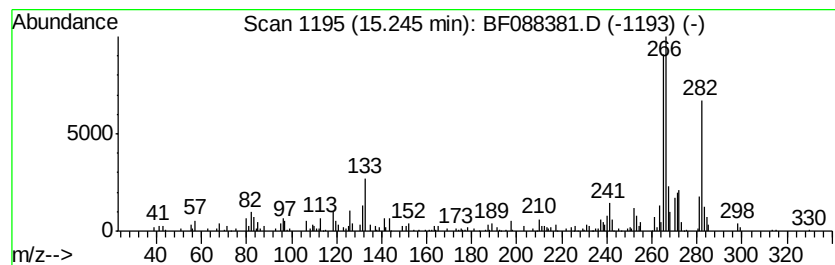
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopentylidene-(4-phenyl-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.25	9.37 ng	152237	Perylene-d12	15.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentylidene-(4-phenyl-thiaz...	266	C16H14N2S	1000300-05-0	60
2		1-Benzothieno[3,2-f]quinazoline-...	266	C14H10N4S	065642-92-4	49
3		4,6-Dimethyl-4'-hydroxy-2-benzyl...	266	C17H14O3	002567-73-9	47
4		3(2H)-Benzofuranone, 6-methoxy-2...	266	C17H14O3	077764-86-4	46
5		8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	41



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
Data File : BF088381.D
Acq On : 25 Jun 2016 17:14
Operator : UM/SJ
Sample : H3624-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-STA-1481(0-4)

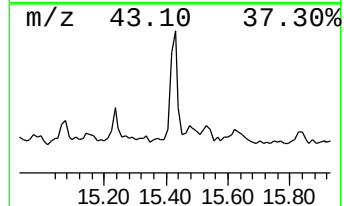
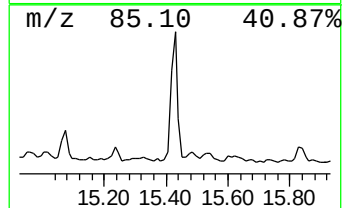
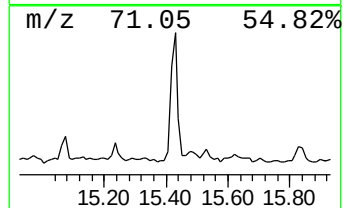
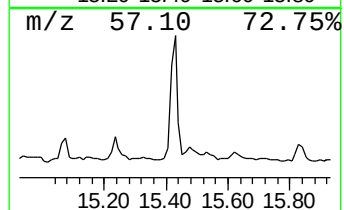
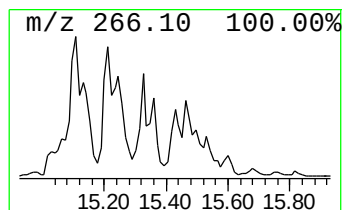
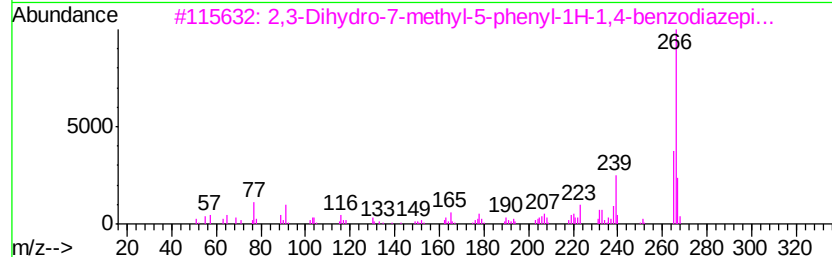
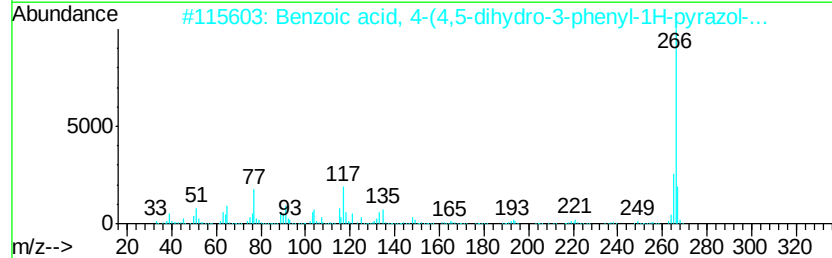
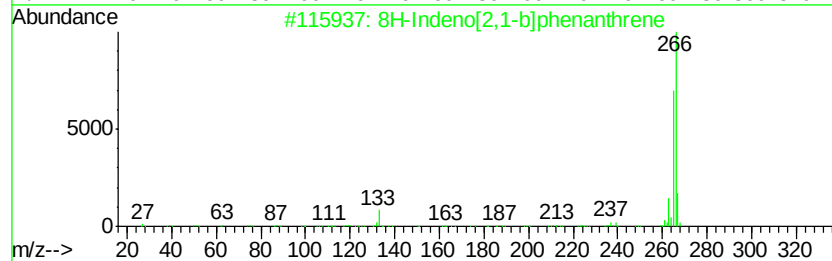
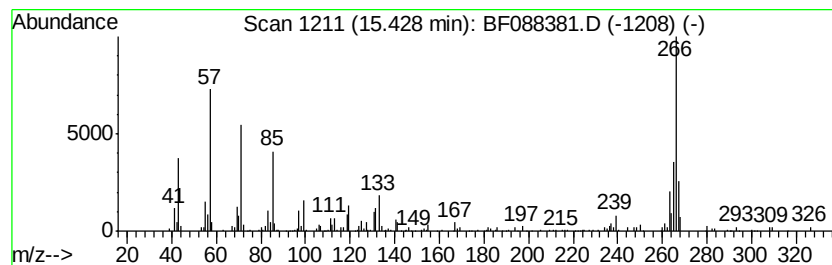
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 8H-Indeno[2,1-b]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	11.96 ng	194400	Perylene-d12	15.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	55
2		Benzoic acid, 4-(4,5-dihydro-3-p...	266	C16H14N2O2	026192-74-5	46
3		2,3-Dihydro-7-methyl-5-phenyl-1H...	266	C16H14N2S	002888-60-0	43
4		Perylene, 3-methyl-	266	C21H14	024471-47-4	43
5		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	41



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088381.D
Acq On : 25 Jun 2016 17:14
Operator : UM/SJ
Sample : H3624-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

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ClientSampleId :
SC-STA-1481(0-4)

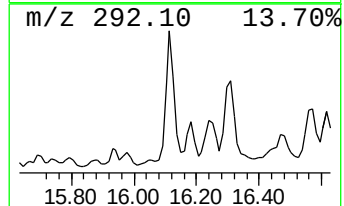
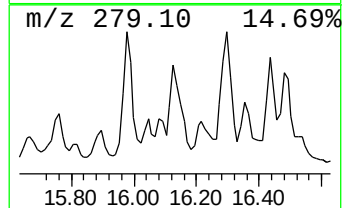
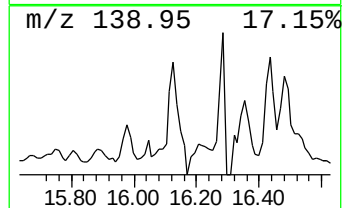
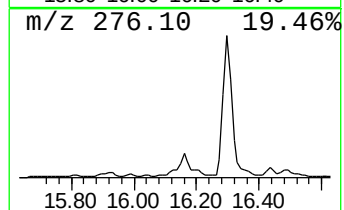
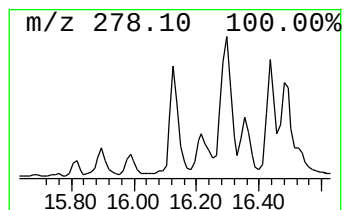
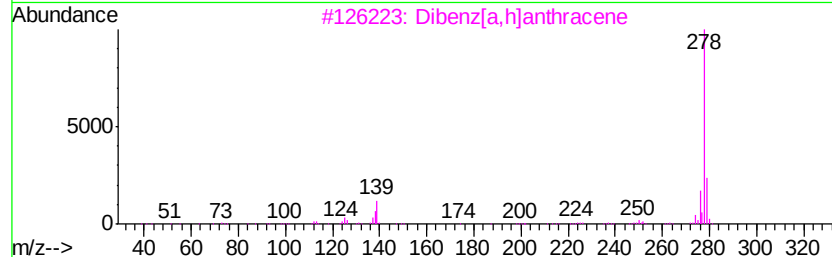
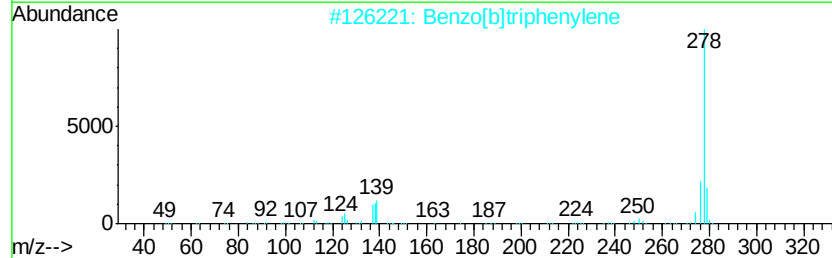
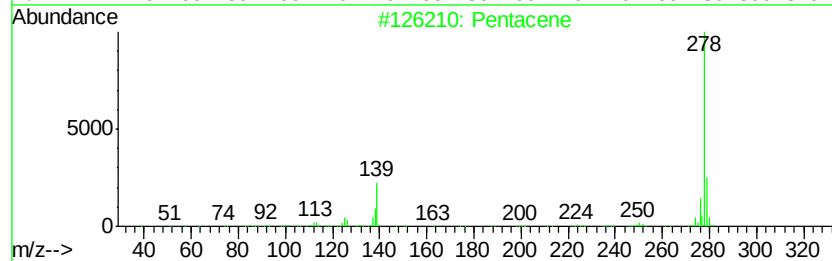
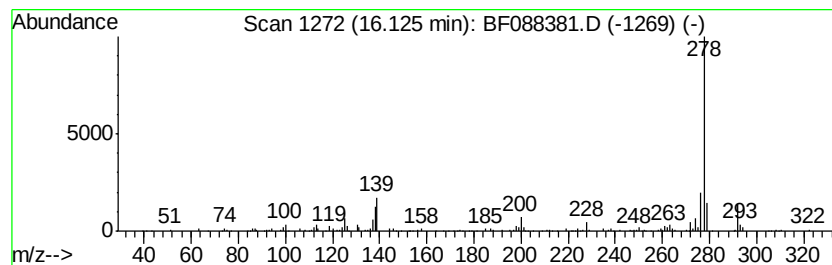
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pentacene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	9.26 ng	150402	Perylene-d12	15.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentacene	278	C22H14	000135-48-8	83
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	58
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	52
4		Dibenz[a,i]anthracene	278	C22H14	000224-41-9	50
5		Picene	278	C22H14	000213-46-7	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
Data File : BF088381.D
Acq On : 25 Jun 2016 17:14
Operator : UM/SJ
Sample : H3624-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SC-STA-1481(0-4)

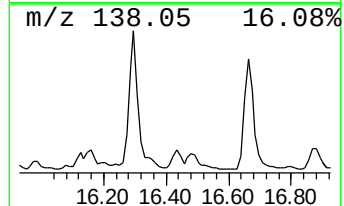
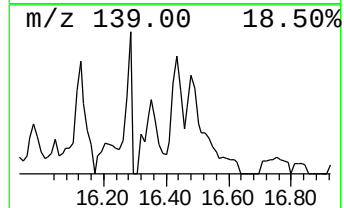
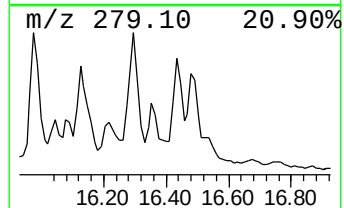
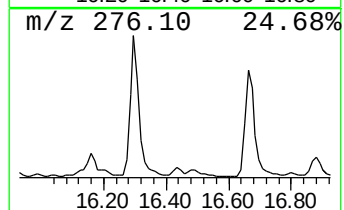
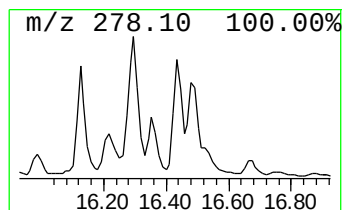
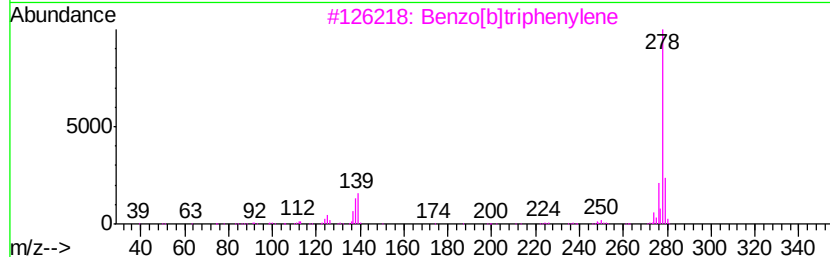
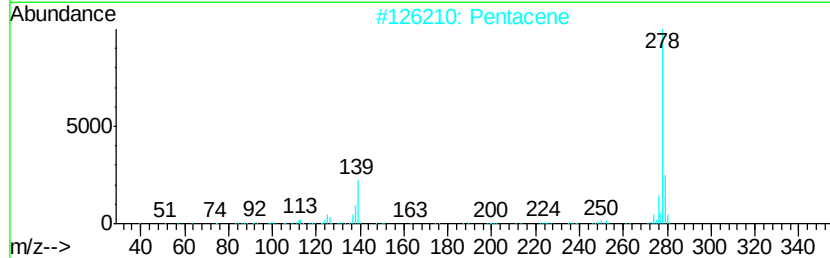
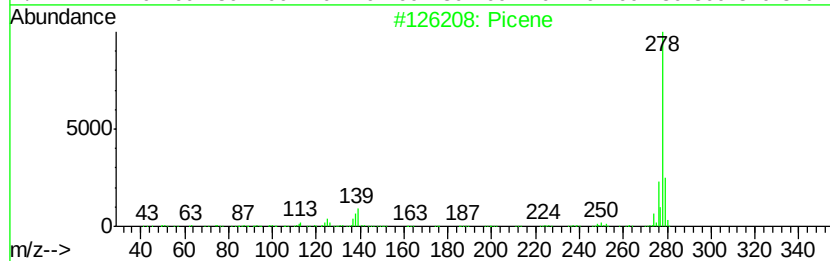
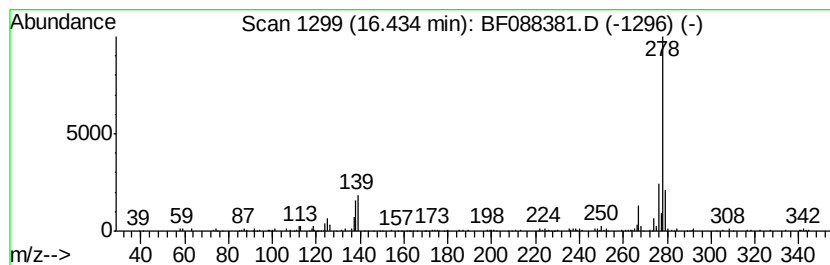
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Picene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	13.22 ng	214796	Perylene-d12	15.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	96
2		Pentacene	278	C22H14	000135-48-8	94
3		Benzo[b]triphenylene	278	C22H14	000215-58-7	93
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
5		Benzo[b]chrysene	278	C22H14	000214-17-5	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088381.D
Acq On : 25 Jun 2016 17:14
Operator : UM/SJ
Sample : H3624-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

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ClientSampleId :
SC-STA-1481(0-4)

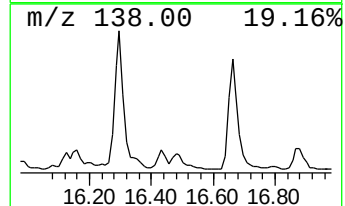
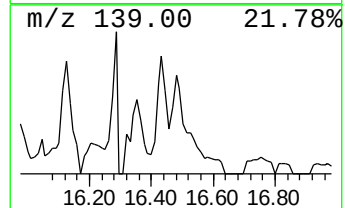
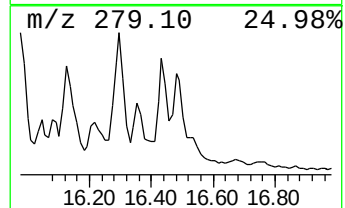
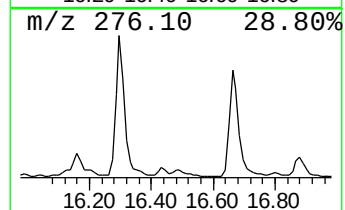
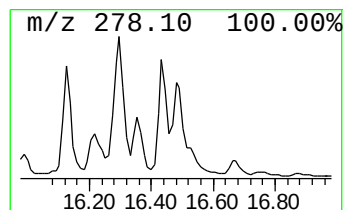
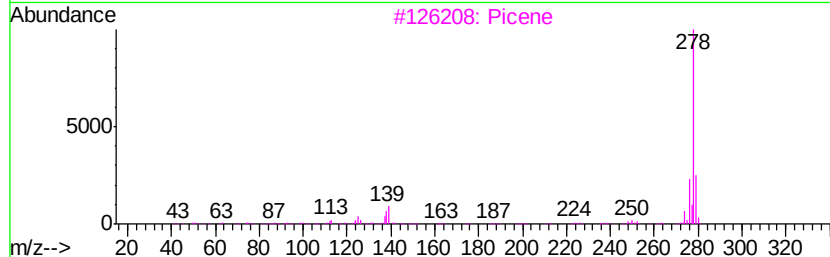
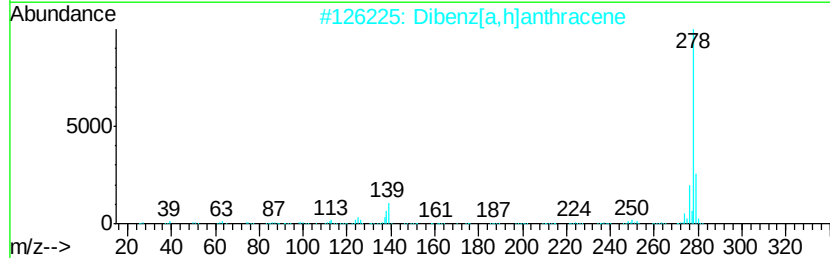
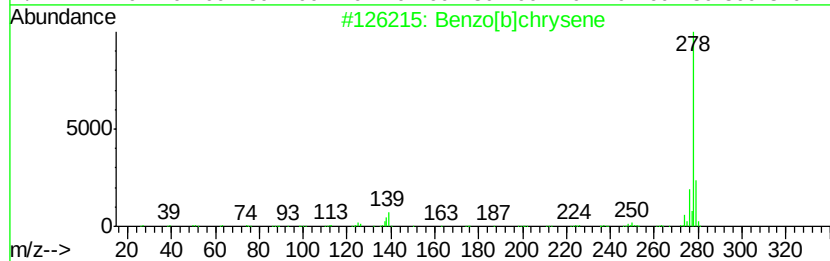
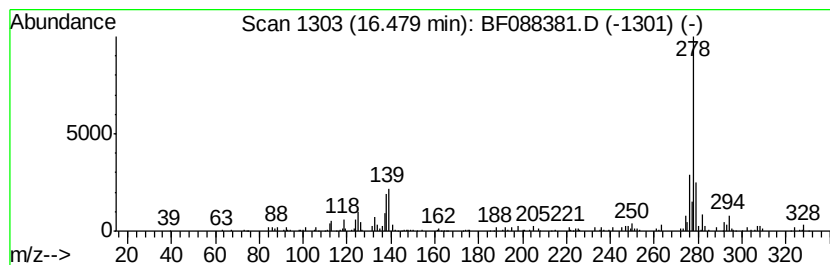
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]chrysene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	9.39 ng	152608	Perylene-d12	15.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]chrysene	278	C22H14	000214-17-5	98
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
3		Picene	278	C22H14	000213-46-7	96
4		Pentaphene	278	C22H14	000222-93-5	96
5		Benzo[b]triphenylene	278	C22H14	000215-58-7	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
Data File : BF088381.D
Acq On : 25 Jun 2016 17:14
Operator : UM/SJ
Sample : H3624-05
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SC-STA-1481(0-4)

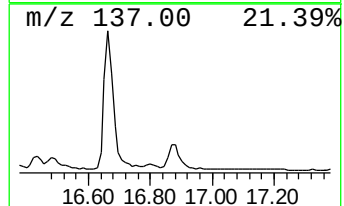
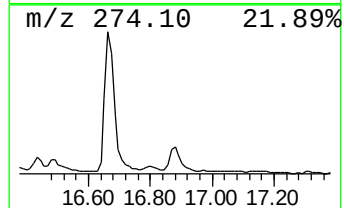
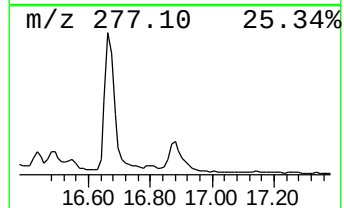
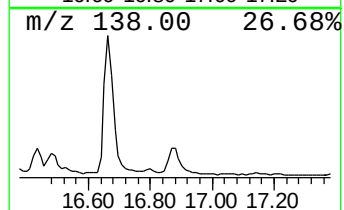
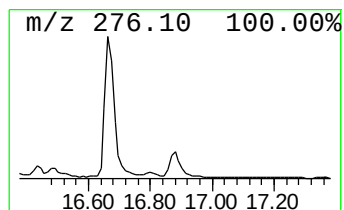
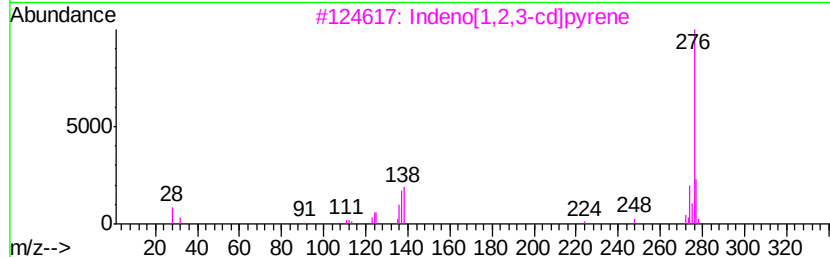
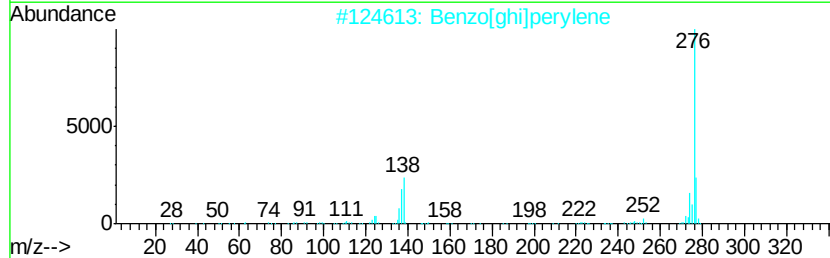
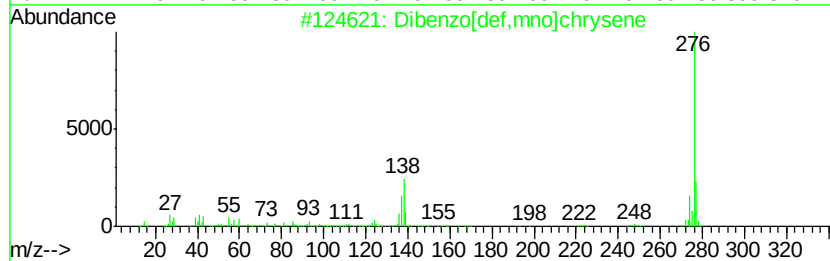
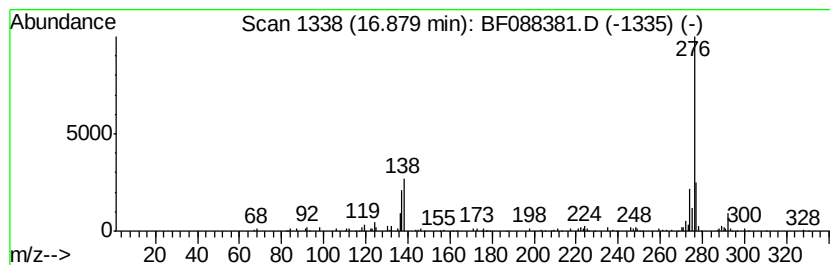
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.88	12.08 ng	196295	Perylene-d12	15.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	97
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
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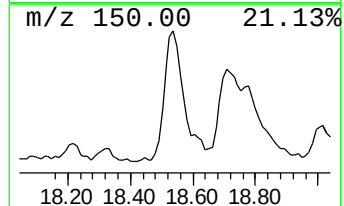
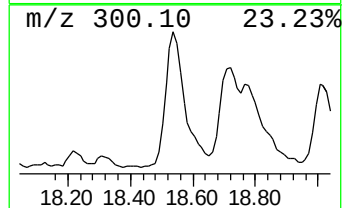
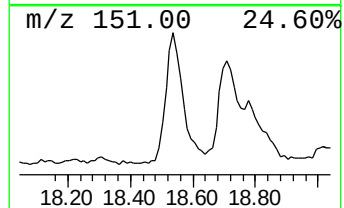
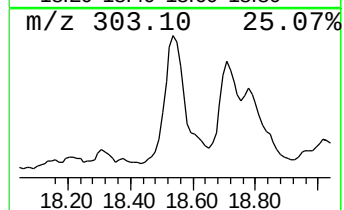
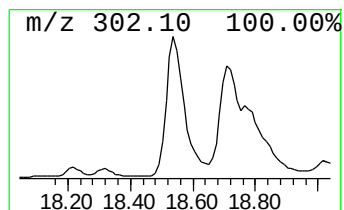
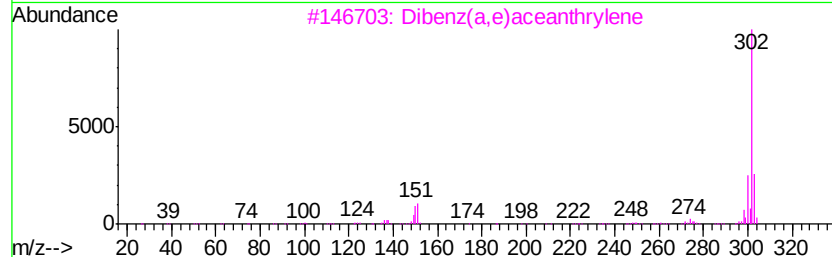
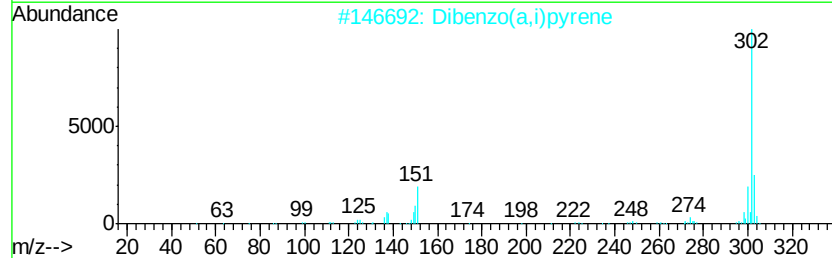
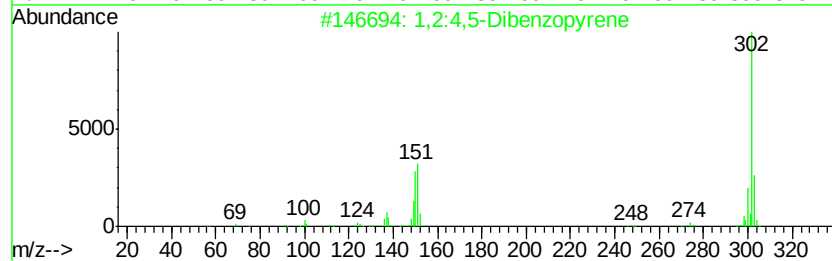
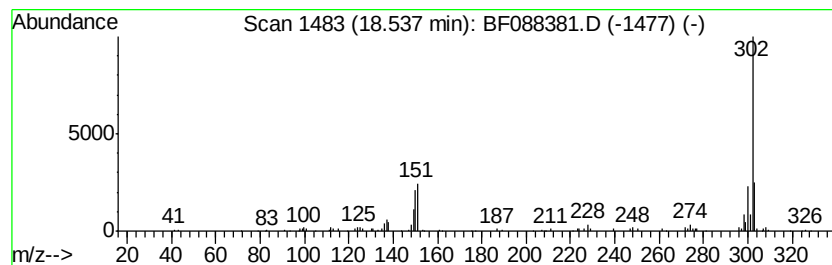
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,2:4,5-Dibenzopyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.54	20.13 ng	327095	Perylene-d12	15.06	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopvrene	302	C24H14	000192-65-4	95
2	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	93
3	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	93
4	3,4:8,9-Dibenzopvrene	302	C24H14	000189-64-0	92
5	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062516\
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 ClientSampleId :
 SC-STA-1481(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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n-Hexane	1.94	27.6	ng	613386	1	6.56	445343	20.0
unknown6.33	6.33	63.6	ng	1415760	1	6.56	445343	20.0
4H-Cyclopenta[def...	11.68	11.4	ng	827631	4	11.07	1451540	20.0
5,12-Naphthacened...	14.41	28.9	ng	469226	6	15.06	324999	20.0
Benz(a)anthracene...	14.49	16.5	ng	268762	6	15.06	324999	20.0
2,6-(Etheno[1,4]b...	14.56	22.1	ng	358567	6	15.06	324999	20.0
Benzo[e]pyrene	14.79	28.2	ng	457644	6	15.06	324999	20.0
Dinaphtho[1,2-b:1...	14.87	13.3	ng	215326	6	15.06	324999	20.0
Cyclopentylidene-...	15.25	9.4	ng	152237	6	15.06	324999	20.0
8H-Indeno[2,1-b]p...	15.43	12.0	ng	194400	6	15.06	324999	20.0
Pentacene	16.13	9.3	ng	150402	6	15.06	324999	20.0
Picene	16.43	13.2	ng	214796	6	15.06	324999	20.0
Benzo[b]chrysene	16.48	9.4	ng	152608	6	15.06	324999	20.0
Dibenzo[def,mno]c...	16.88	12.1	ng	196295	6	15.06	324999	20.0
1,2:4,5-Dibenzopy...	18.54	20.1	ng	327095	6	15.06	324999	20.0