

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
 Data File : BF078960.D
 Acq On : 6 May 2015 15:08
 Operator : TP/IZ
 Sample : G2116-08 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-54S

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-BF043015.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	1.495	25	27	30	rVB	3060740	3202602	96.25%	5.947%
2	1.644	37	40	50	rVB2	143444	274457	8.25%	0.510%
3	1.770	50	51	53	rVV	81407	105202	3.16%	0.195%
4	1.815	53	55	60	rVV	99377	159098	4.78%	0.295%
5	1.895	60	62	83	rVB	2076825	3327419	100.00%	6.179%
6	5.644	388	390	392	rVB	695499	784623	23.58%	1.457%
7	6.890	497	499	502	rVB	820615	818126	24.59%	1.519%
8	7.050	511	513	516	rBV	708881	834223	25.07%	1.549%
9	7.347	537	539	541	rBV	572771	499397	15.01%	0.927%
10	7.530	553	555	557	rBV	662123	645529	19.40%	1.199%
11	8.033	597	599	602	rVB	599940	514053	15.45%	0.955%
12	8.925	675	677	678	rBV	800795	733709	22.05%	1.363%
13	8.947	678	679	682	rVB	320617	260809	7.84%	0.484%
14	9.805	752	754	757	rVB	132720	139908	4.20%	0.260%
15	9.930	763	765	767	rVB	129345	108959	3.27%	0.202%
16	10.273	792	795	797	rBV	757802	1008177	30.30%	1.872%
17	10.685	828	831	832	rVV	68651	86819	2.61%	0.161%
18	10.925	849	852	855	rVB	188056	167937	5.05%	0.312%
19	11.096	865	867	869	rBV2	684119	787192	23.66%	1.462%
20	11.142	869	871	873	rVB	374647	334069	10.04%	0.620%
21	11.359	887	890	892	rBV	209366	242506	7.29%	0.450%
22	11.782	925	927	929	rBV	334162	308268	9.26%	0.572%
23	11.988	943	945	948	rVB2	68745	143179	4.30%	0.266%
24	12.079	950	953	956	rVB	782528	789317	23.72%	1.466%
25	12.468	983	987	989	rBV3	58426	120161	3.61%	0.223%
26	12.708	1005	1008	1011	rVB	142417	172750	5.19%	0.321%
27	12.776	1011	1014	1015	rBV	61733	94531	2.84%	0.176%
28	12.822	1015	1018	1023	rVB	114410	180035	5.41%	0.334%
29	12.948	1026	1029	1030	rBV	868634	861139	25.88%	1.599%
30	12.982	1030	1032	1034	rVV	2742833	2924190	87.88%	5.430%
31	13.039	1034	1037	1039	rVB	728579	736981	22.15%	1.369%
32	13.085	1039	1041	1044	rBV2	73064	92874	2.79%	0.172%
33	13.245	1050	1055	1057	rBV2	332512	412101	12.39%	0.765%
34	13.576	1080	1084	1085	rBV	302514	299877	9.01%	0.557%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078960.D
 Acq On : 6 May 2015 15:08
 Operator : TP/IZ
 Sample : G2116-08 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-54S

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-BF043015.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.611	1085	1087	1090	rVB	434799	413173	12.42%	0.767%
36	13.668	1090	1092	1094	rBV	170923	176940	5.32%	0.329%
37	13.714	1094	1096	1097	rBV	422775	513944	15.45%	0.954%
38	13.736	1097	1098	1101	rVB	162070	199854	6.01%	0.371%
39	13.954	1115	1117	1121	rVB2	231718	439673	13.21%	0.816%
40	14.137	1129	1133	1135	rBV	67894	101492	3.05%	0.188%
41	14.262	1142	1144	1146	rBV	150585	205450	6.17%	0.382%
42	14.308	1146	1148	1151	rVV2	82817	154804	4.65%	0.287%
43	14.365	1151	1153	1156	rVB3	133100	206819	6.22%	0.384%
44	14.457	1158	1161	1164	rBV	2572238	3159823	94.96%	5.868%
45	14.537	1166	1168	1170	rBV2	87869	113416	3.41%	0.211%
46	14.639	1173	1177	1179	rBV2	131476	229323	6.89%	0.426%
47	14.742	1183	1186	1188	rBV	2798087	3295820	99.05%	6.120%
48	14.811	1188	1192	1197	rVB2	126021	271009	8.14%	0.503%
49	14.902	1197	1200	1201	rBV	113190	167752	5.04%	0.312%
50	14.948	1201	1204	1206	rVB2	1100510	1314893	39.52%	2.442%
51	15.028	1206	1211	1213	rBV2	134723	265938	7.99%	0.494%
52	15.154	1215	1222	1224	rVB2	218041	566828	17.04%	1.053%
53	15.245	1228	1230	1232	rBV	150204	137476	4.13%	0.255%
54	15.291	1232	1234	1236	rBV	267005	322390	9.69%	0.599%
55	15.405	1242	1244	1246	rBV	137969	141094	4.24%	0.262%
56	15.440	1246	1247	1249	rBV	109903	139586	4.20%	0.259%
57	15.485	1249	1251	1254	rVB4	49796	115762	3.48%	0.215%
58	15.542	1254	1256	1259	rBV2	64990	132460	3.98%	0.246%
59	15.805	1276	1279	1282	rBV	191802	245971	7.39%	0.457%
60	15.954	1288	1292	1294	rBV2	163802	293709	8.83%	0.545%
61	16.000	1294	1296	1299	rVV2	175679	404685	12.16%	0.752%
62	16.045	1299	1300	1302	rVV	116601	128560	3.86%	0.239%
63	16.080	1302	1303	1308	rVB	180644	214985	6.46%	0.399%
64	16.160	1308	1310	1316	rVB3	62247	169710	5.10%	0.315%
65	16.285	1316	1321	1323	rBV2	1433977	2946679	88.56%	5.472%
66	16.320	1323	1324	1326	rVV	949354	1178774	35.43%	2.189%
67	16.354	1326	1327	1329	rVB2	113783	108584	3.26%	0.202%
68	16.422	1329	1333	1335	rBV	220319	304908	9.16%	0.566%
69	16.548	1342	1344	1347	rVB3	89841	171401	5.15%	0.318%
70	16.605	1347	1349	1351	rBV	121294	171444	5.15%	0.318%
71	16.731	1357	1360	1362	rBV2	71327	132940	4.00%	0.247%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078960.D
 Acq On : 6 May 2015 15:08
 Operator : TP/IZ
 Sample : G2116-08 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-54S

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-BF043015.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.823	1365	1368	1370	rBV	196212	257530	7.74%	0.478%
73	16.868	1370	1372	1375	rVB3	107903	132631	3.99%	0.246%
74	16.948	1375	1379	1380	rBV2	99092	145862	4.38%	0.271%
75	16.983	1380	1382	1383	rBV2	71521	70888	2.13%	0.132%
76	17.108	1390	1393	1396	rVB2	68152	125657	3.78%	0.233%
77	17.234	1401	1404	1406	rBV	108539	169859	5.10%	0.315%
78	17.451	1421	1423	1424	rBV	88350	112659	3.39%	0.209%
79	17.680	1439	1443	1449	rBV	1027024	2616908	78.65%	4.860%
80	17.771	1449	1451	1452	rVV	54214	70655	2.12%	0.131%
81	17.805	1452	1454	1456	rVB	177308	245695	7.38%	0.456%
82	17.931	1462	1465	1467	rBV	84041	158419	4.76%	0.294%
83	17.977	1467	1469	1470	rVV	60005	97465	2.93%	0.181%
84	18.023	1470	1473	1476	rVV	729586	1043468	31.36%	1.938%
85	18.091	1476	1479	1482	rVB	1068944	1408510	42.33%	2.616%
86	18.160	1482	1485	1486	rBV	793206	1054710	31.70%	1.959%
87	18.194	1486	1488	1494	rVB	273020	530288	15.94%	0.985%
88	18.491	1510	1514	1516	rBV2	63688	174059	5.23%	0.323%
89	18.891	1547	1549	1558	rVB5	48913	128265	3.85%	0.238%
90	19.120	1567	1569	1574	rVB3	46273	99318	2.98%	0.184%
91	19.234	1576	1579	1581	rBV2	44451	104179	3.13%	0.193%
92	19.509	1598	1603	1606	rBV3	140353	358460	10.77%	0.666%
93	19.669	1614	1617	1623	rVB2	504874	1162496	34.94%	2.159%
94	19.771	1623	1626	1630	rVB	42188	92534	2.78%	0.172%
95	19.863	1631	1634	1637	rBV	108018	259757	7.81%	0.482%
96	19.920	1637	1639	1642	rVV3	74403	147783	4.44%	0.274%
97	20.126	1652	1657	1667	rVV	471408	1106119	33.24%	2.054%
98	20.354	1674	1677	1686	rVB	138919	390169	11.73%	0.725%
99	20.903	1722	1725	1730	rVB2	28936	79867	2.40%	0.148%
100	21.063	1737	1739	1744	rVB4	34593	76474	2.30%	0.142%

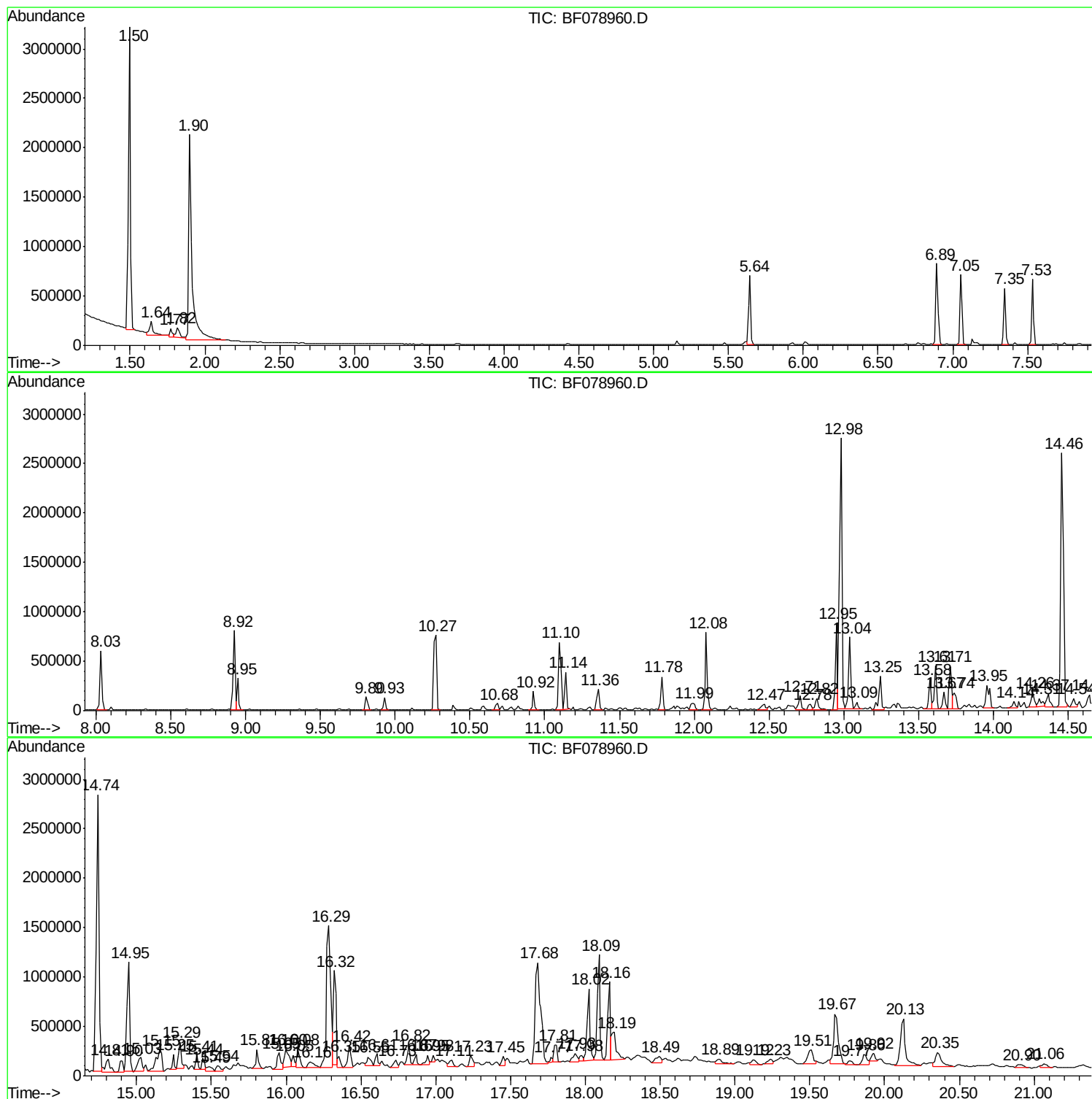
Sum of corrected areas: 53848970

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078960.D
Acq On : 6 May 2015 15:08
Operator : TP/IZ
Sample : G2116-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-54S

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078960.D
Acq On : 6 May 2015 15:08
Operator : TP/IZ
Sample : G2116-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-54S

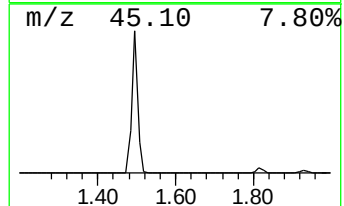
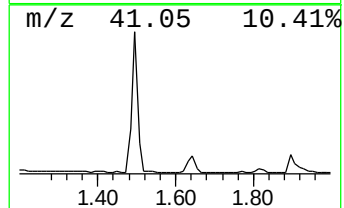
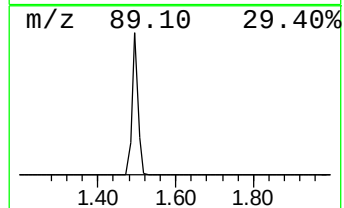
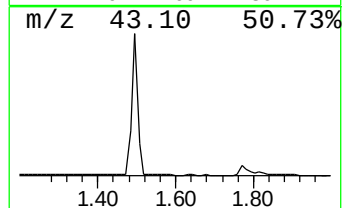
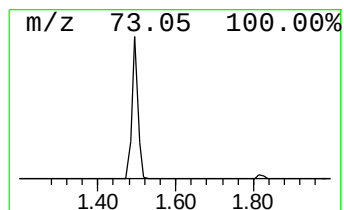
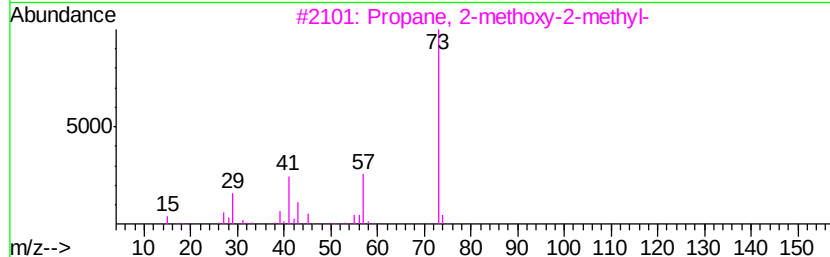
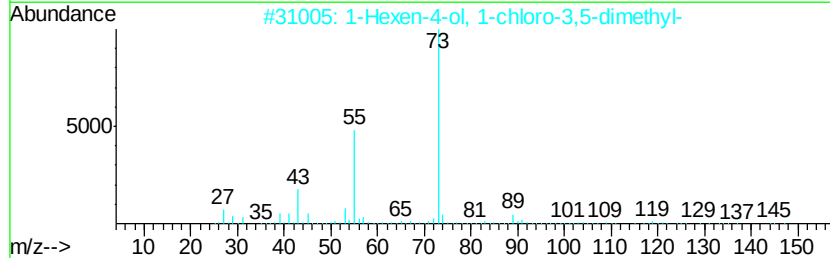
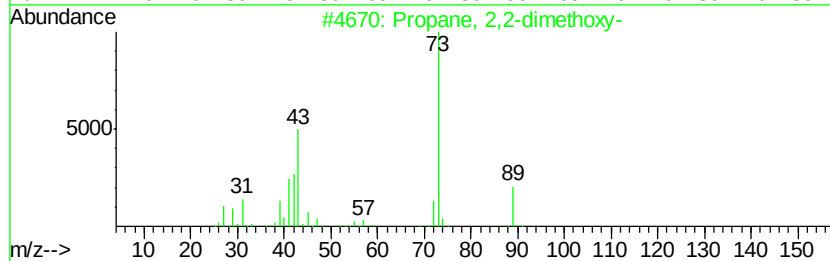
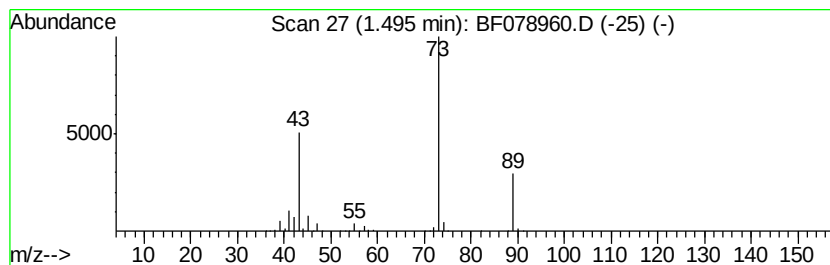
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.50	128.26 ng	3202600	1,4-Dichlorobenzene-d4	7.35

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	72	
2	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9	
3	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9	
4	2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9	
5	N-Ethylformamide	73	C3H7NO	000627-45-2	5	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078960.D
Acq On : 6 May 2015 15:08
Operator : TP/IZ
Sample : G2116-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleID :
SB-54S

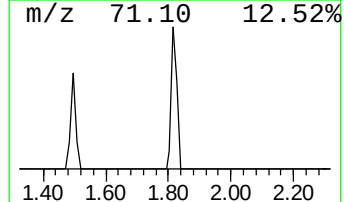
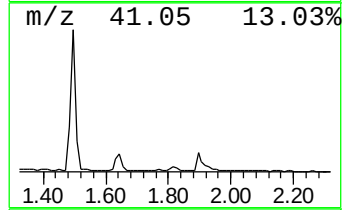
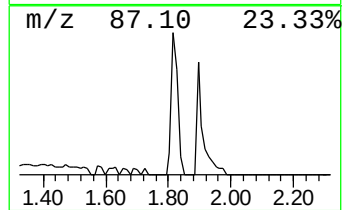
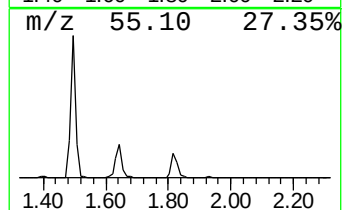
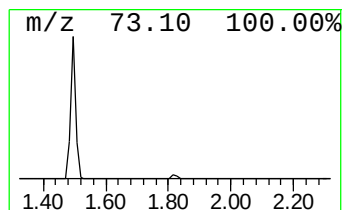
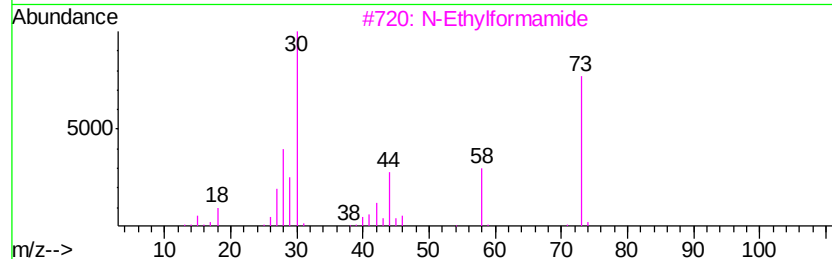
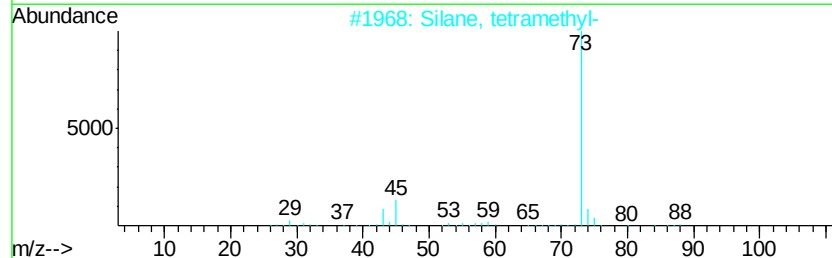
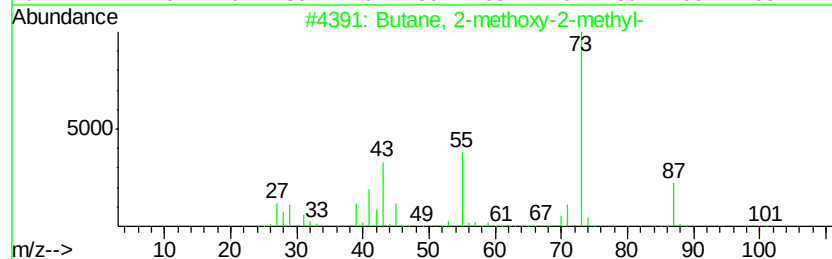
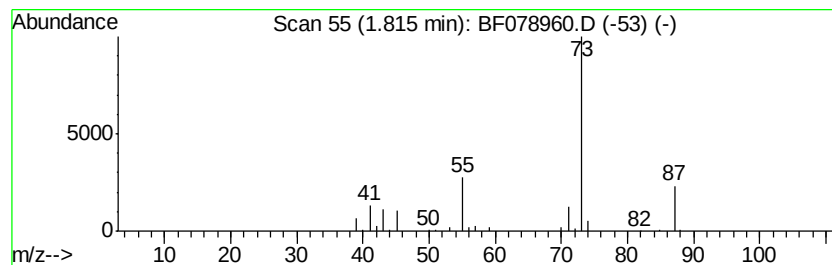
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Butane, 2-methoxy-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	6.37 ng	159098	1,4-Dichlorobenzene-d4	7.35

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2		Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
3		N-Ethylformamide	73	C3H7NO	000627-45-2	23
4		Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	9
5		Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078960.D
Acq On : 6 May 2015 15:08
Operator : TP/IZ
Sample : G2116-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-54S

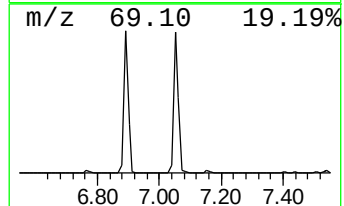
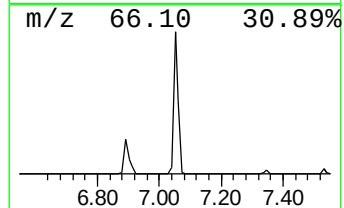
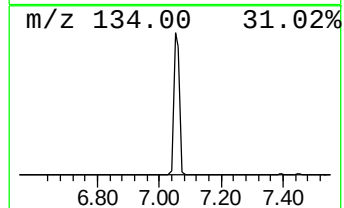
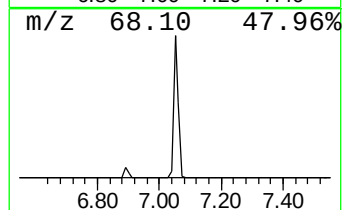
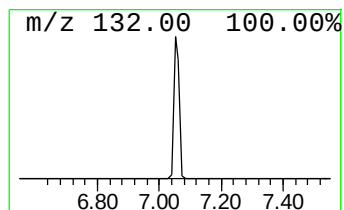
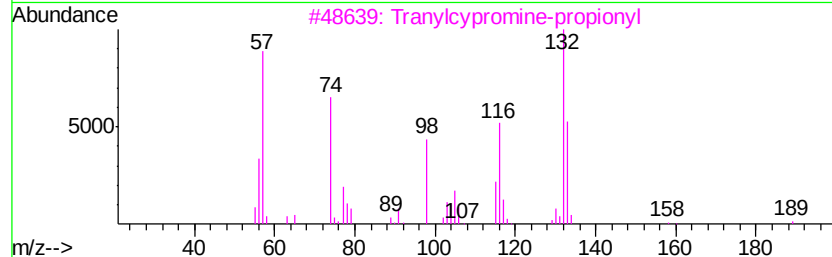
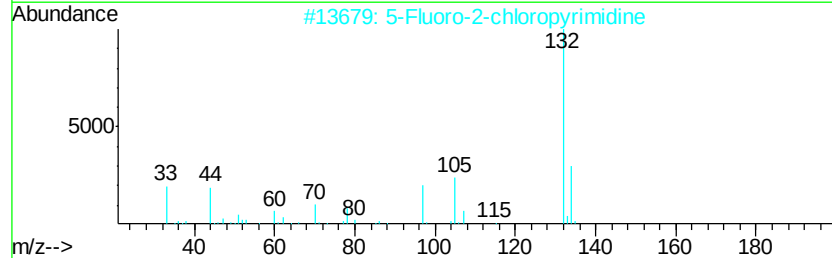
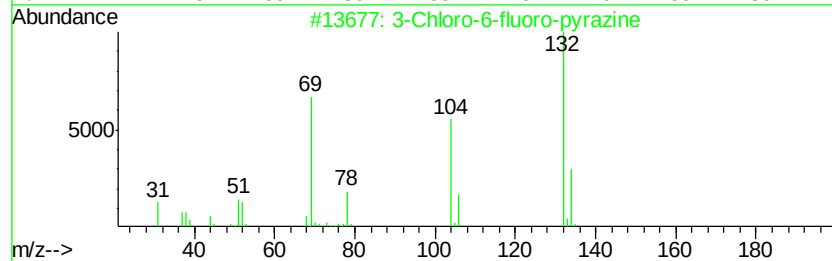
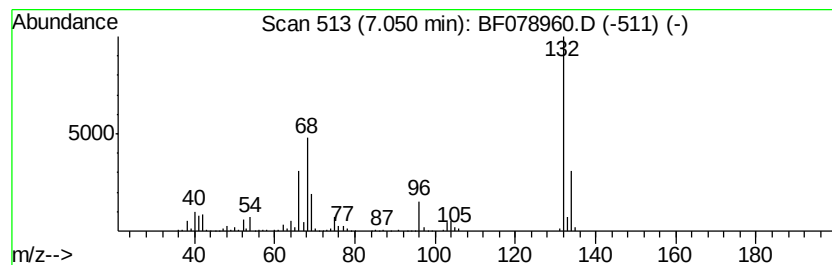
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown7.05 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	33.41 ng	834223	1,4-Dichlorobenzene-d4	7.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		5-Aminoindole	132	C8H8N2	005192-03-0	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078960.D
Acq On : 6 May 2015 15:08
Operator : TP/IZ
Sample : G2116-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-54S

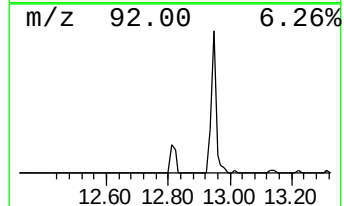
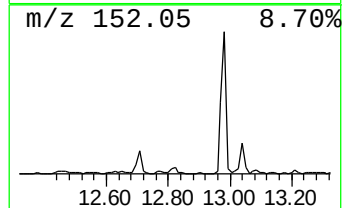
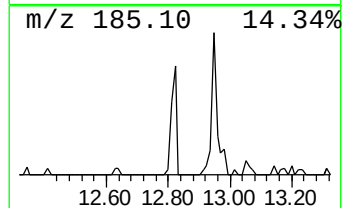
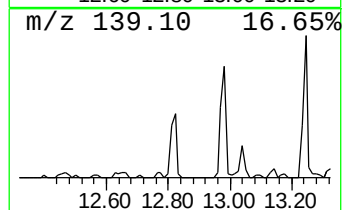
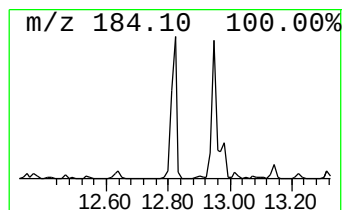
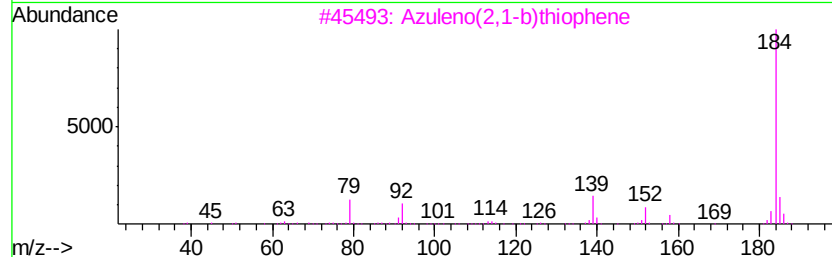
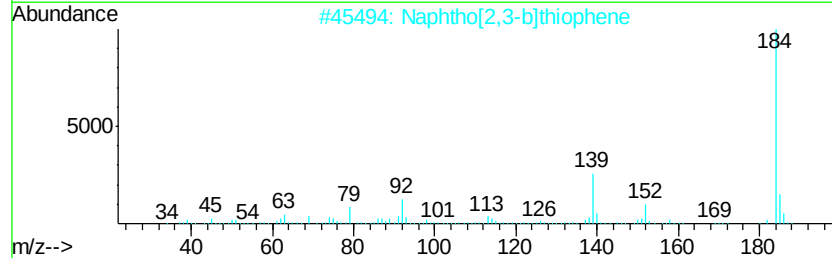
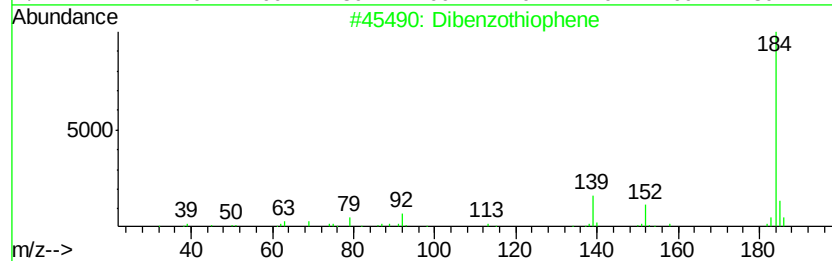
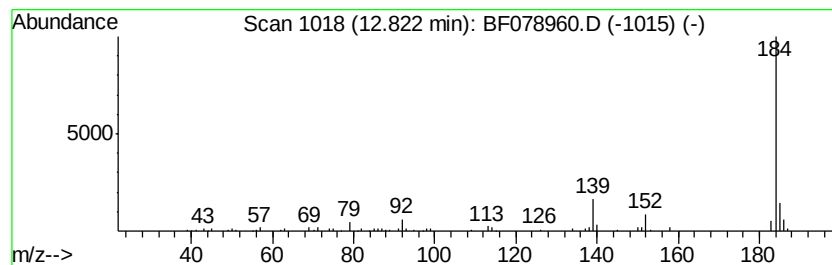
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	4.18 ng	180035	Phenanthrene-d10	12.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	95
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87
4		Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	80
5		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078960.D
Acq On : 6 May 2015 15:08
Operator : TP/IZ
Sample : G2116-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

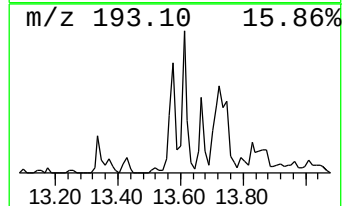
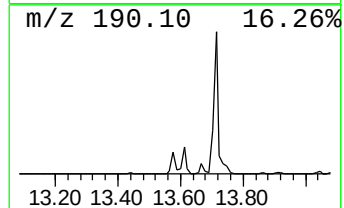
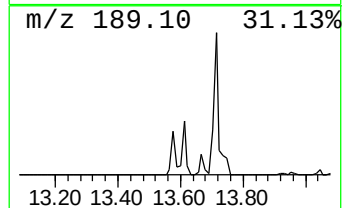
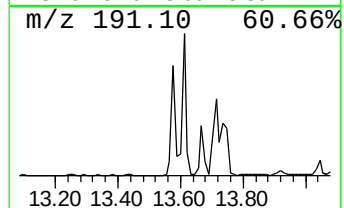
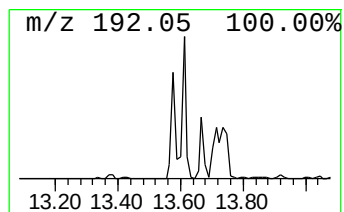
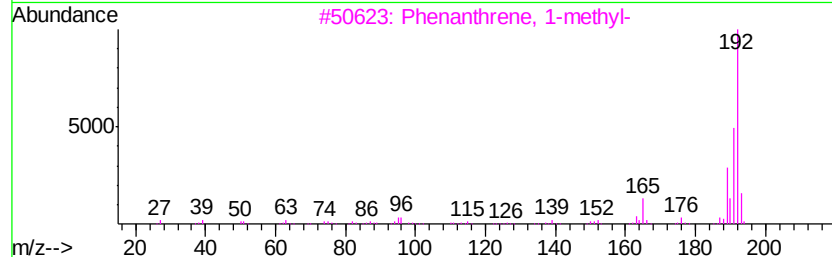
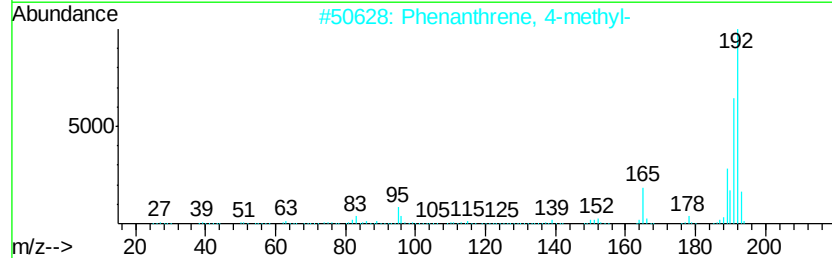
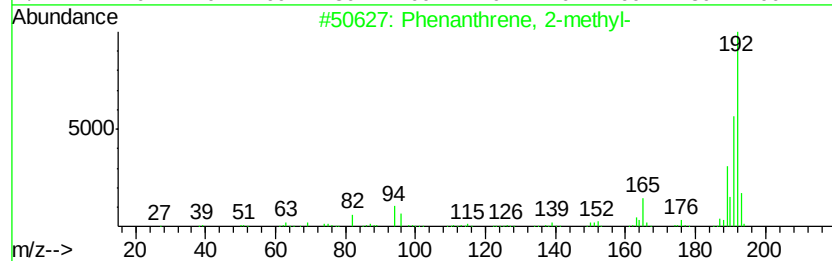
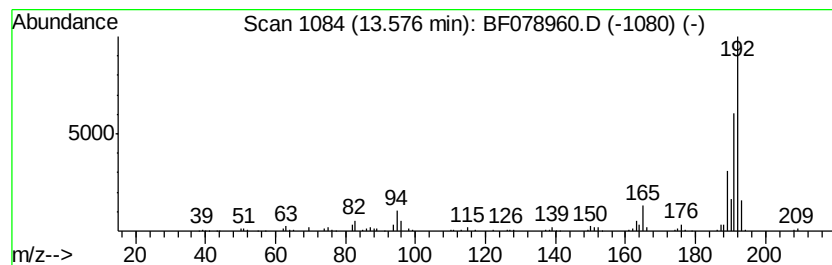
Instrument :
BNA_F
ClientSampleId :
SB-54S

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.58	6.96 ng	299877	Phenanthrene-d10	12.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078960.D
Acq On : 6 May 2015 15:08
Operator : TP/IZ
Sample : G2116-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-54S

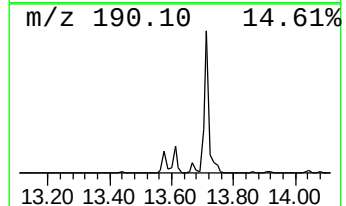
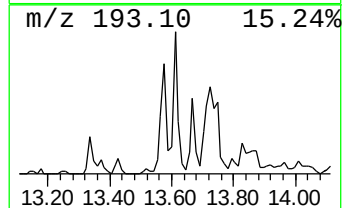
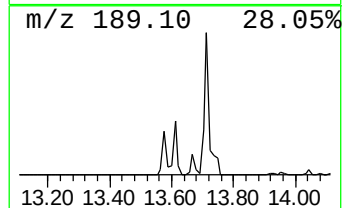
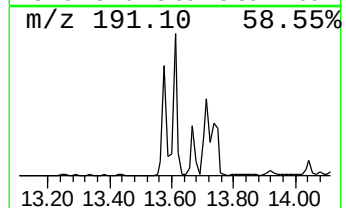
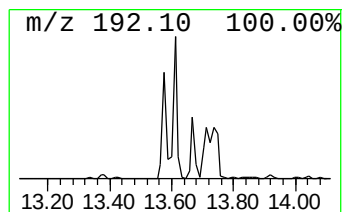
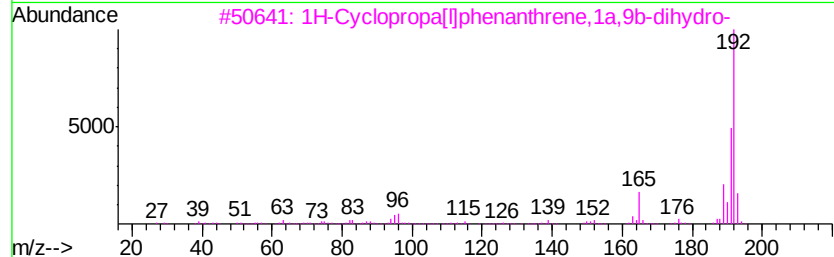
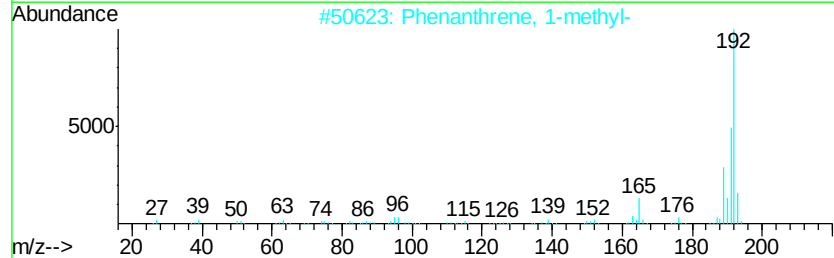
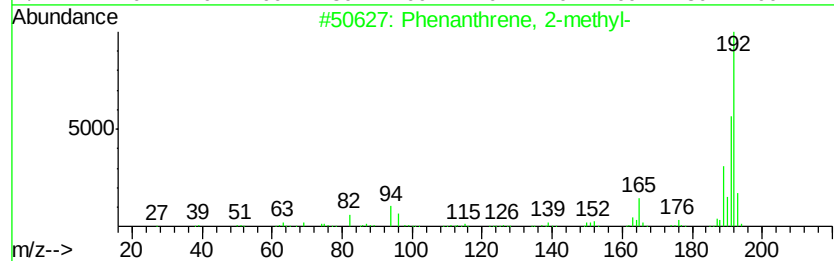
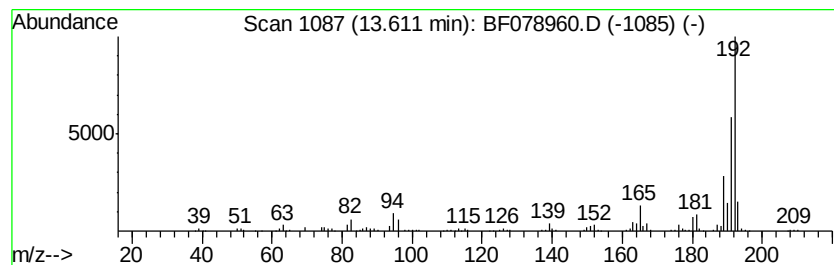
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	9.60 ng	413173	Phenanthrene-d10	12.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078960.D
Acq On : 6 May 2015 15:08
Operator : TP/IZ
Sample : G2116-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-54S

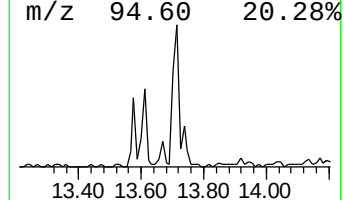
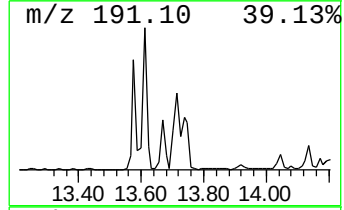
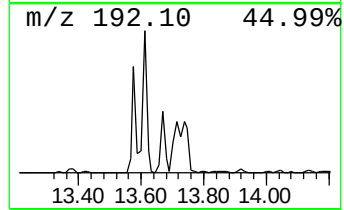
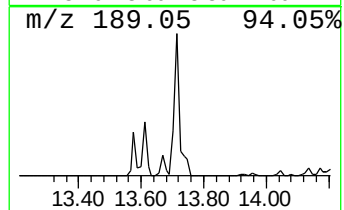
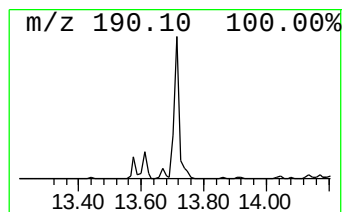
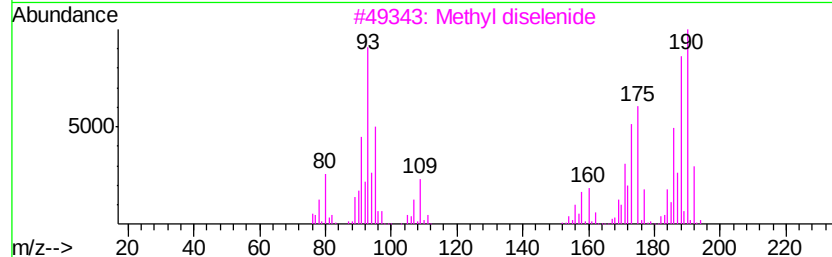
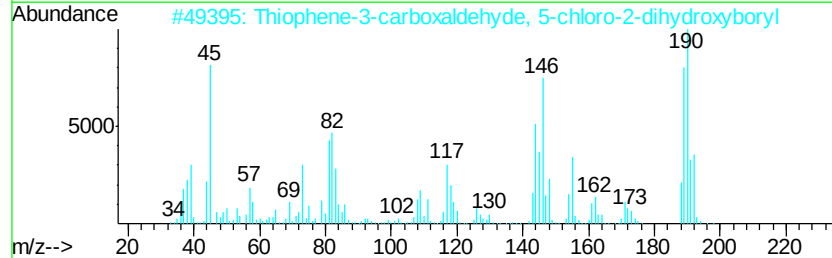
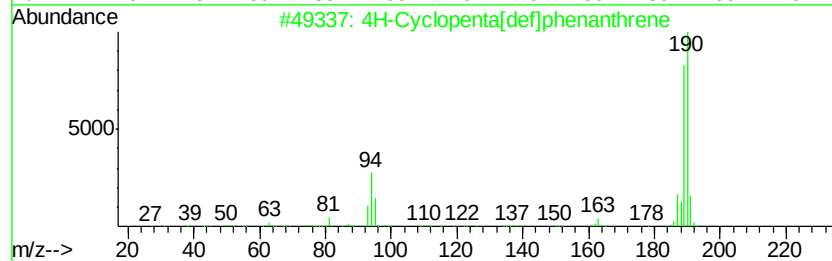
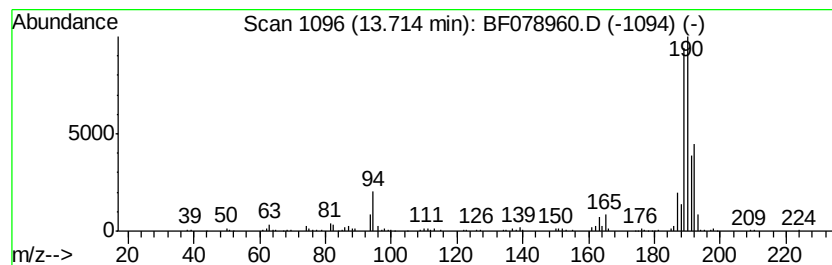
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	11.94 ng	513944	Phenanthrene-d10	12.95

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			Methyl diselenide	190	C2H6Se2	007101-31-7	45
4			2,3,5,6-Tetramethylterephthald...	190	C12H14O2	007072-01-7	43
5			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078960.D
Acq On : 6 May 2015 15:08
Operator : TP/IZ
Sample : G2116-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-54S

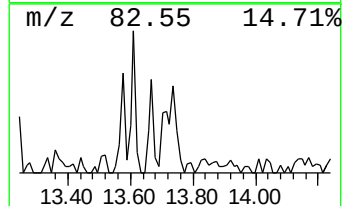
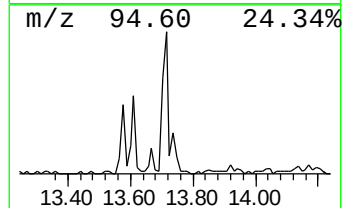
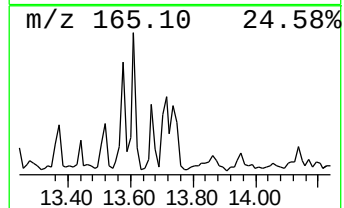
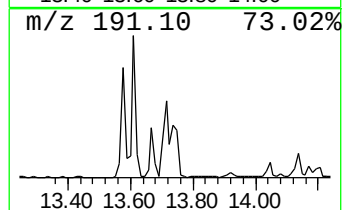
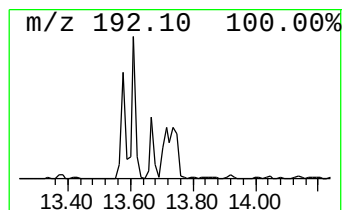
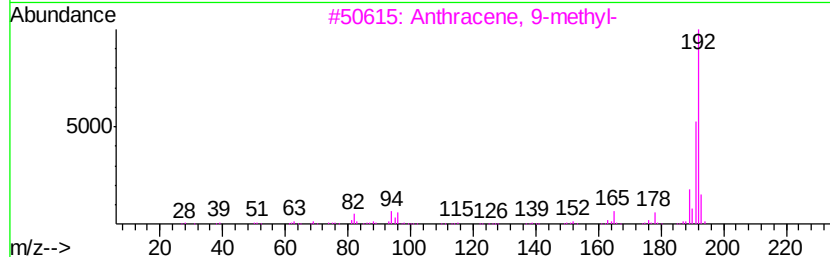
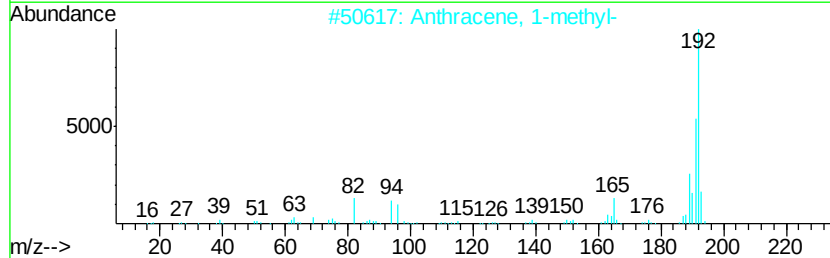
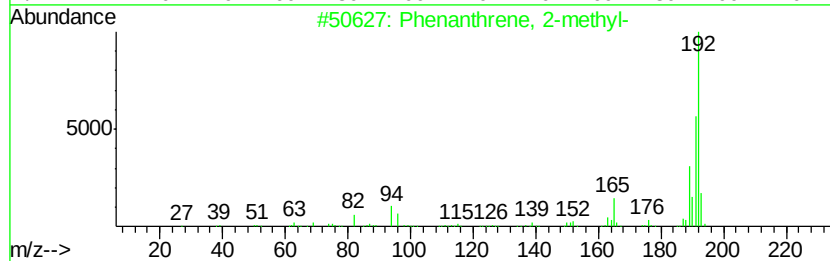
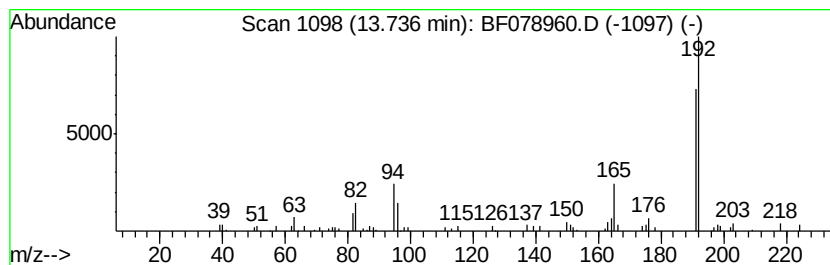
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	4.64 ng	199854	Phenanthrene-d10	12.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	74
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	59
4		1H-Cyclopropa[1,1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	58
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078960.D
Acq On : 6 May 2015 15:08
Operator : TP/IZ
Sample : G2116-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

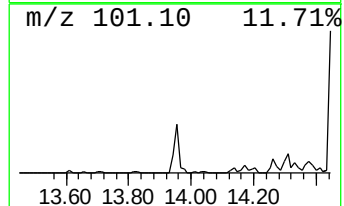
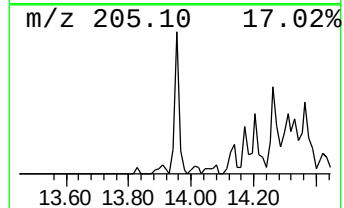
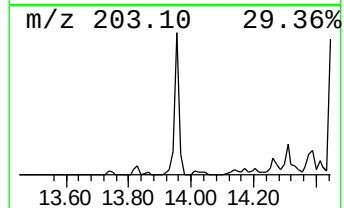
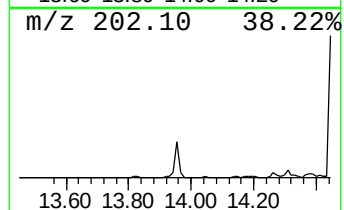
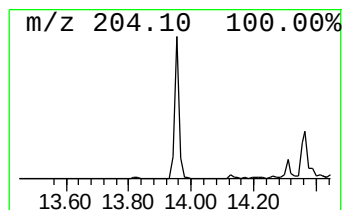
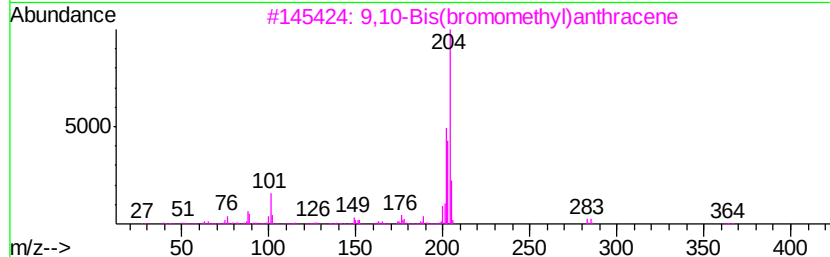
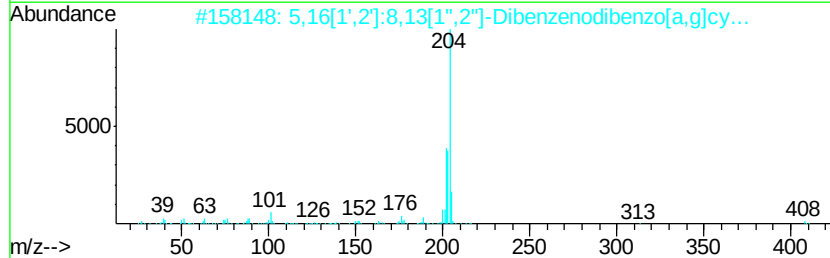
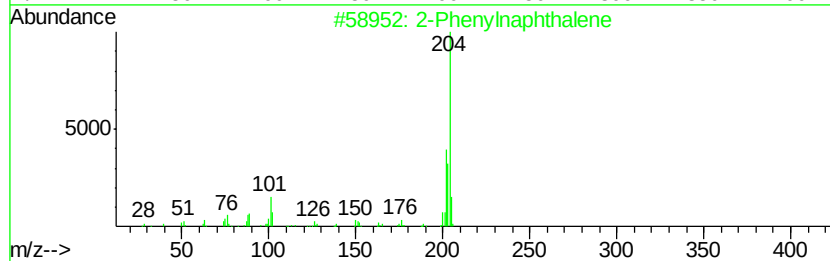
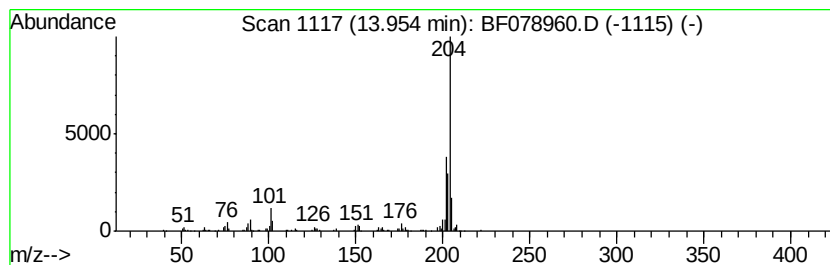
Instrument :
BNA_F
ClientSampleId :
SB-54S

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 2-Phenylnaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.95	10.21 ng	439673	Phenanthrene-d10	12.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene		204	C16H12	035465-71-5	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...		408	C32H24	005672-97-9	90
3	9,10-Bis(bromomethyl)anthracene		362	C16H12Br2	034373-96-1	76
4	Naphthalene, 2-phenyl-		204	C16H12	000612-94-2	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...		204	C16H12	006572-60-7	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078960.D
Acq On : 6 May 2015 15:08
Operator : TP/IZ
Sample : G2116-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

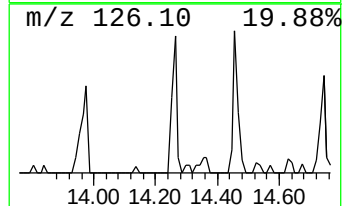
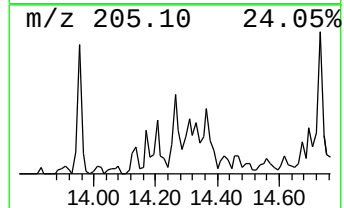
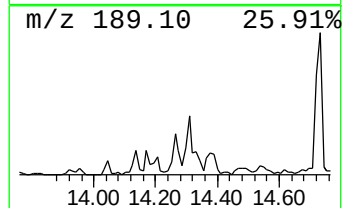
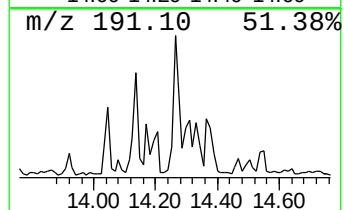
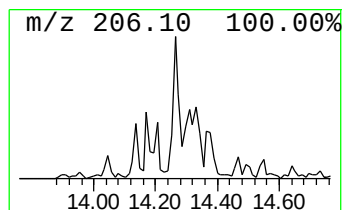
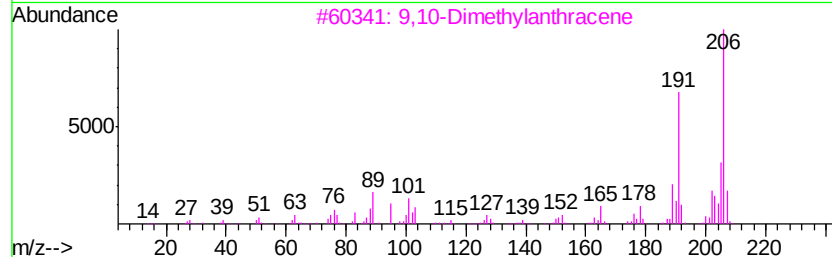
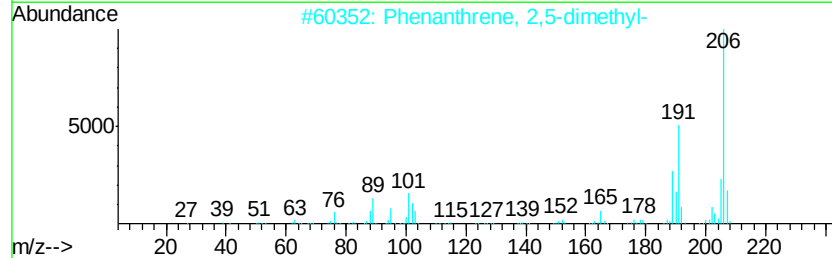
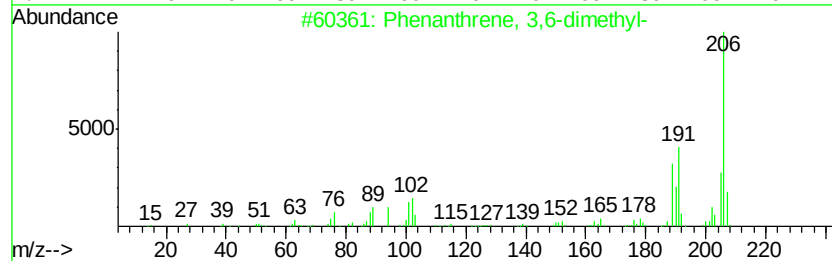
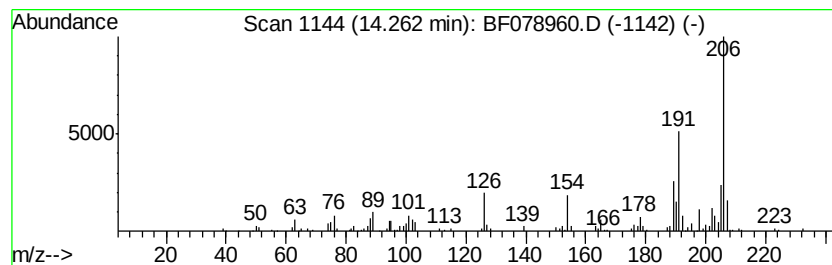
Instrument :
BNA_F
ClientSampleId :
SB-54S

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.26	4.77 ng	205450	Phenanthrene-d10		12.95
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylantracene	206	C16H14	000781-43-1	89
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	86
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078960.D
Acq On : 6 May 2015 15:08
Operator : TP/IZ
Sample : G2116-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-54S

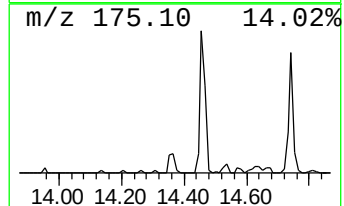
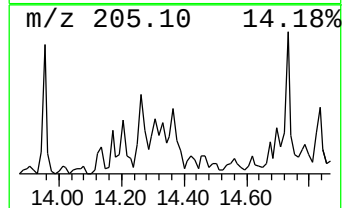
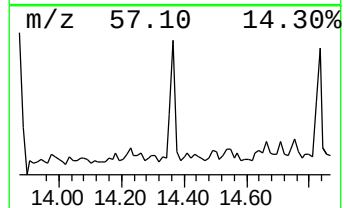
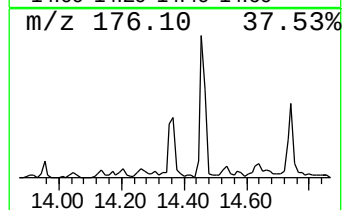
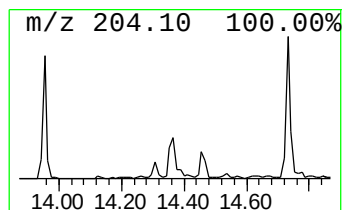
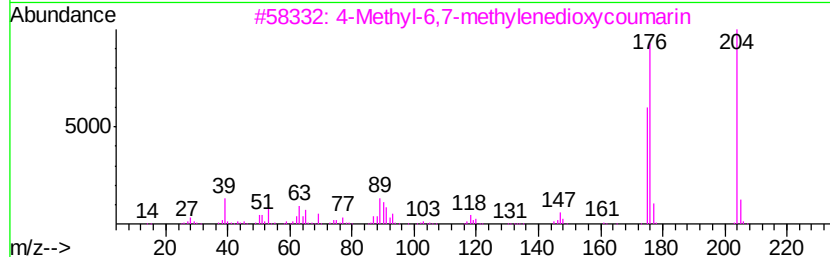
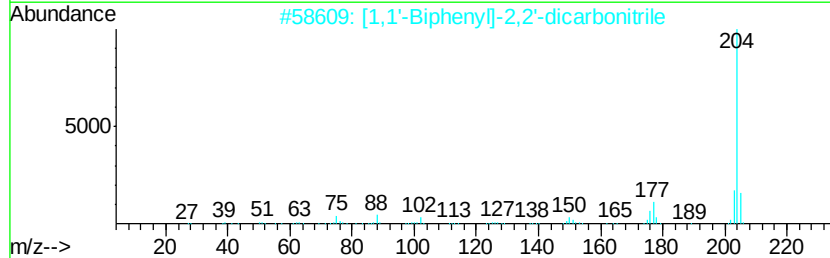
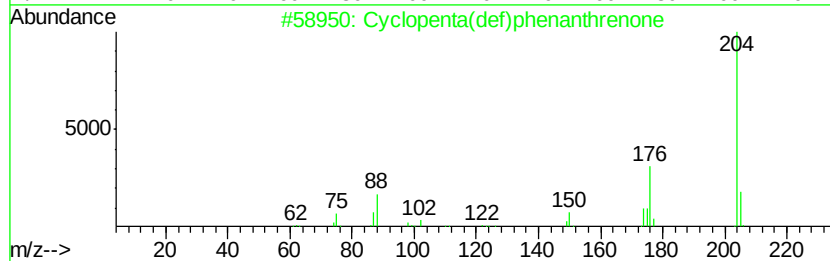
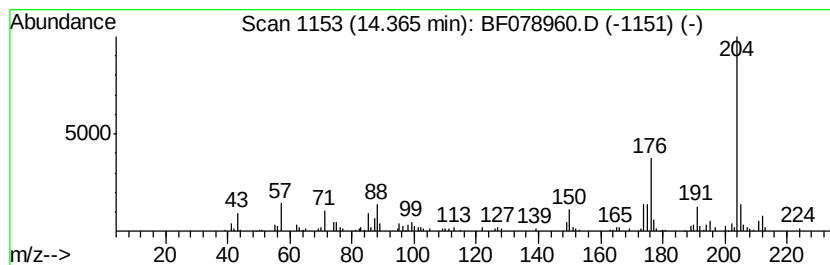
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	4.80 ng	206819	Phenanthrene-d10	12.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
3		4-Methyl-6,7-methylenedioxy coumarin	204	C11H8O4	015071-04-2	47
4		9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078960.D
Acq On : 6 May 2015 15:08
Operator : TP/IZ
Sample : G2116-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-54S

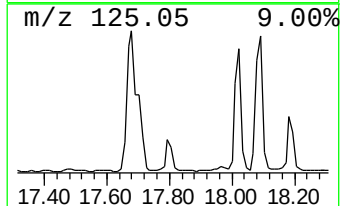
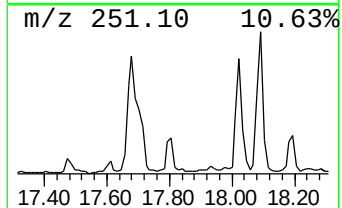
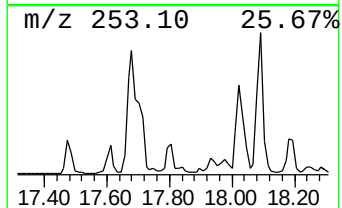
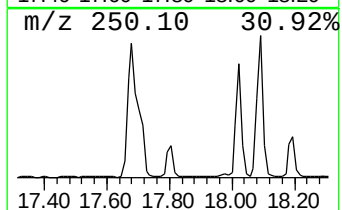
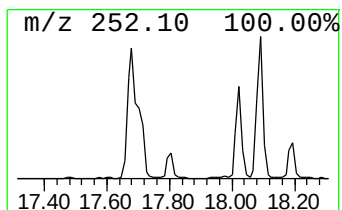
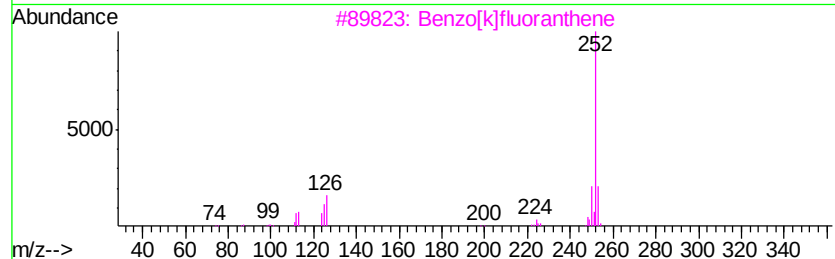
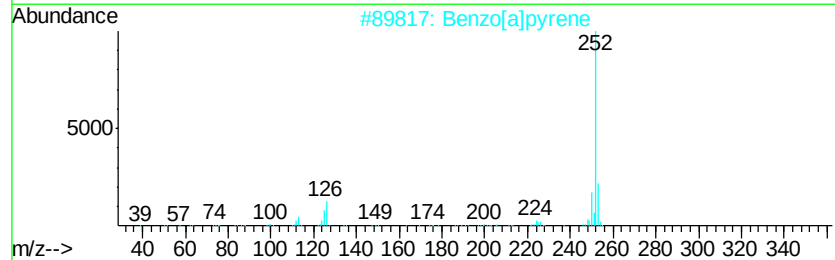
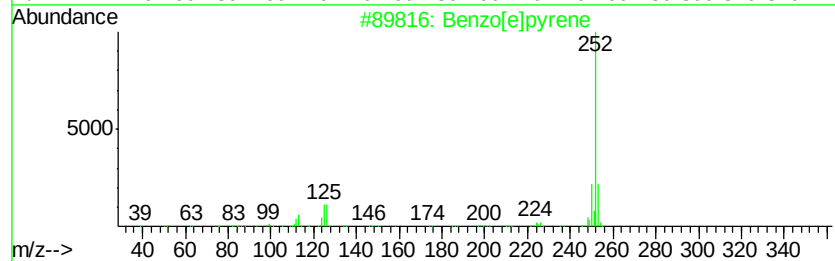
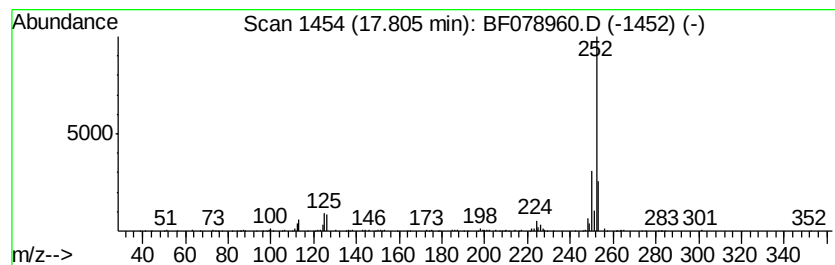
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.81	4.66 ng	245695	Perylene-d12	18.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	91
2			Benzo[a]pyrene	252	C20H12	000050-32-8	90
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
4			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	81
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078960.D
Acq On : 6 May 2015 15:08
Operator : TP/IZ
Sample : G2116-08 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-54S

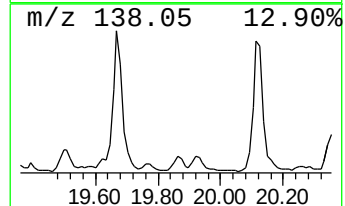
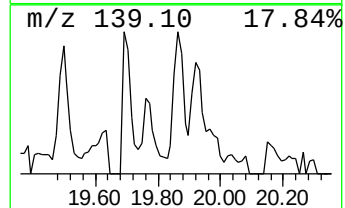
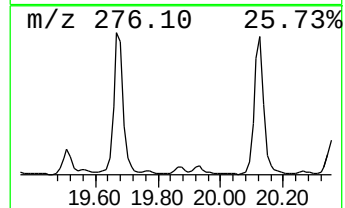
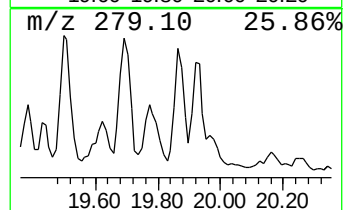
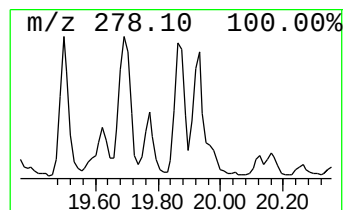
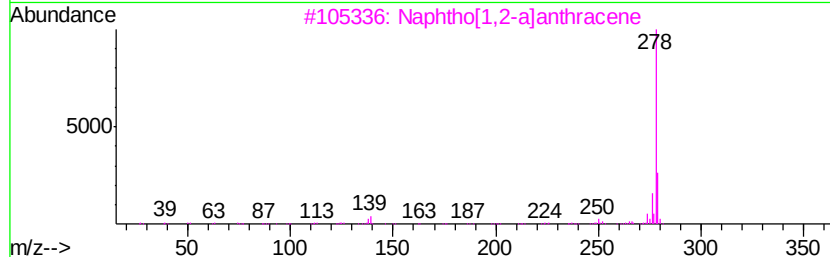
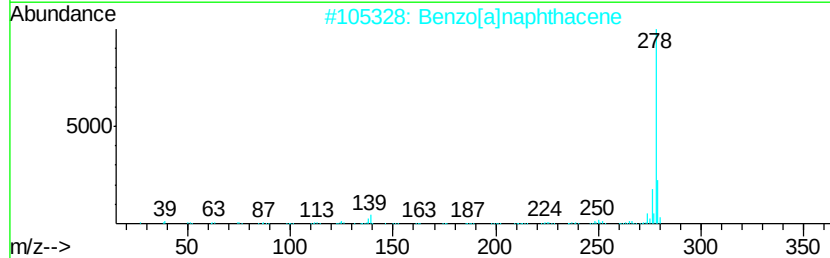
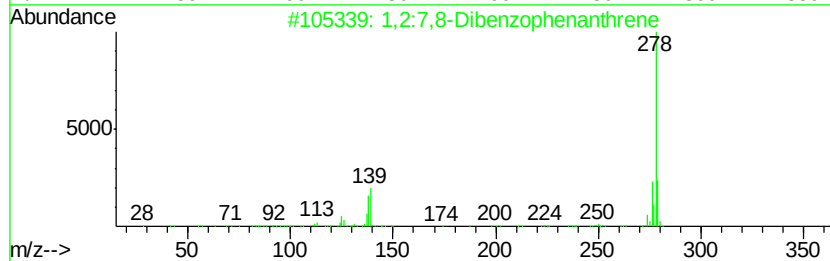
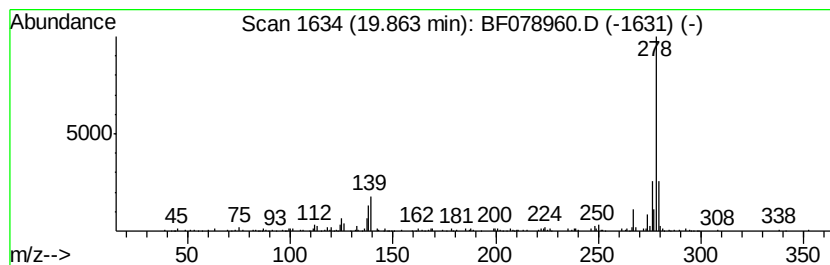
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,2:7,8-Dibenzophenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.86	4.93 ng	259757	Perylene-d12	18.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	95
2		Benzo[a]naphthacene	278	C22H14	000226-88-0	95
3		Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	95
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
5		Benzo[b]chrysene	278	C22H14	000214-17-5	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078960.D
 Acq On : 6 May 2015 15:08
 Operator : TP/IZ
 Sample : G2116-08 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-54S

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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
Propane, 2,2-dime...	1.50	128.3	ng	3202600	1	7.35	499397	20.0
Butane, 2-methoxy...	1.82	6.4	ng	159098	1	7.35	499397	20.0
unknown7.05	7.05	33.4	ng	834223	1	7.35	499397	20.0
Dibenzothiophene	12.82	4.2	ng	180035	4	12.95	861139	20.0
Phenanthrene, 2-m...	13.58	7.0	ng	299877	4	12.95	861139	20.0
Phenanthrene, 1-m...	13.61	9.6	ng	413173	4	12.95	861139	20.0
4H-Cyclopenta[def...	13.71	11.9	ng	513944	4	12.95	861139	20.0
Anthracene, 1-met...	13.74	4.6	ng	199854	4	12.95	861139	20.0
2-Phenyl naphthalene	13.95	10.2	ng	439673	4	12.95	861139	20.0
Phenanthrene, 3,6...	14.26	4.8	ng	205450	4	12.95	861139	20.0
Cyclopenta(def)ph...	14.37	4.8	ng	206819	4	12.95	861139	20.0
Benzo[e]pyrene	17.81	4.7	ng	245695	6	18.16	1054710	20.0
1,2:7,8-Dibenzoph...	19.86	4.9	ng	259757	6	18.16	1054710	20.0