

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
 Data File : BF091688.D
 Acq On : 16 Dec 2016 22:22
 Operator : UM/SJ
 Sample : H6099-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP12-6FT

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-BF120916.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	3.653	134	137	140	rVB	44118	70105	1.21%	0.114%
2	4.258	187	190	194	rVB	47869	64946	1.12%	0.106%
3	4.933	246	249	252	rBV	961924	1560817	26.89%	2.549%
4	5.379	285	288	290	rBV	2277470	2636195	45.41%	4.305%
5	5.584	304	306	308	rVB2	138257	127799	2.20%	0.209%
6	6.419	376	379	381	rBV	3112864	3310965	57.03%	5.407%
7	6.544	387	390	392	rBV	3547395	3266446	56.27%	5.334%
8	6.773	408	410	412	rBV	1162383	973163	16.76%	1.589%
9	6.933	421	424	426	rBV	3066402	2940328	50.65%	4.802%
10	7.333	456	459	462	rBV	1705134	2361860	40.68%	3.857%
11	7.459	465	470	472	rBV	118933	207406	3.57%	0.339%
12	7.973	512	515	517	rBV	826137	840012	14.47%	1.372%
13	8.065	520	523	525	rBV	1456103	2032855	35.02%	3.320%
14	8.419	550	554	556	rBV3	34124	75809	1.31%	0.124%
15	8.465	556	558	567	rVB5	46265	136497	2.35%	0.223%
16	8.739	577	582	584	rBV	65433	129595	2.23%	0.212%
17	8.819	587	589	592	rBV	510984	599738	10.33%	0.979%
18	9.139	614	617	619	rBV	6417069	5805326	100.00%	9.480%
19	9.230	622	625	628	rVV4	41602	66974	1.15%	0.109%
20	9.470	644	646	649	rBV	37568	62827	1.08%	0.103%
21	9.528	649	651	654	rVB	933019	1126909	19.41%	1.840%
22	9.756	667	671	673	rVB2	70340	85384	1.47%	0.139%
23	9.813	673	676	677	rBV	2424520	2212439	38.11%	3.613%
24	9.836	677	678	680	rVB	93236	115393	1.99%	0.188%
25	10.019	692	694	696	rBV	75716	101644	1.75%	0.166%
26	10.248	708	714	716	rBV2	143345	295522	5.09%	0.483%
27	10.350	722	723	727	rVB2	106158	147381	2.54%	0.241%
28	10.465	730	733	736	rBV2	45200	99190	1.71%	0.162%
29	10.591	742	744	746	rBV2	1828147	2528109	43.55%	4.128%
30	10.728	754	756	760	rVB	168316	268650	4.63%	0.439%
31	10.945	773	775	778	rVB	1026836	1088395	18.75%	1.777%
32	11.173	791	795	800	rBV4	153307	322196	5.55%	0.526%
33	11.288	803	805	809	rVV2	1791880	2538196	43.72%	4.145%
34	11.368	809	812	813	rVB	197451	246530	4.25%	0.403%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091688.D
 Acq On : 16 Dec 2016 22:22
 Operator : UM/SJ
 Sample : H6099-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP12-6FT

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-BF120916.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.516	822	825	827 rBV2	122330	169220	2.91%	0.276%
36	11.596	829	832	833 rVV2	73339	82841	1.43%	0.135%
37	11.631	833	835	839 rVV4	37685	81793	1.41%	0.134%
38	11.699	839	841	843 rVB	593096	721126	12.42%	1.178%
39	11.756	843	846	847 rBV2	49413	69780	1.20%	0.114%
40	11.791	847	849	850 rVV	171058	167637	2.89%	0.274%
41	11.825	850	852	854 rVV2	412066	685507	11.81%	1.119%
42	11.905	857	859	863 rVB2	179794	318685	5.49%	0.520%
43	11.996	863	867	870 rBV3	74696	178939	3.08%	0.292%
44	12.088	872	875	879 rBV3	93151	201046	3.46%	0.328%
45	12.259	887	890	892 rBV	838278	810610	13.96%	1.324%
46	12.339	895	897	899 rBV	69823	81272	1.40%	0.133%
47	12.385	899	901	903 rBV2	237403	390611	6.73%	0.638%
48	12.442	903	906	909 rVV2	267162	468814	8.08%	0.766%
49	12.499	909	911	913 rVB	1288785	1164475	20.06%	1.902%
50	12.545	913	915	919 rBV4	41991	100666	1.73%	0.164%
51	12.614	919	921	923 rBV2	143502	155441	2.68%	0.254%
52	12.728	928	931	933 rBV	890822	1078495	18.58%	1.761%
53	12.762	933	934	939 rVB3	79041	118999	2.05%	0.194%
54	12.842	939	941	942 rBV	89498	120790	2.08%	0.197%
55	12.876	942	944	946 rVB	4360576	3927763	67.66%	6.414%
56	12.934	946	949	952 rBV2	79739	138141	2.38%	0.226%
57	13.048	957	959	961 rVB	91112	146678	2.53%	0.240%
58	13.116	964	965	967 rVB	151715	120548	2.08%	0.197%
59	13.151	967	968	972 rVB2	93026	138641	2.39%	0.226%
60	13.242	974	976	978 rVB2	125055	137710	2.37%	0.225%
61	13.276	978	979	981 rBV	54412	79927	1.38%	0.131%
62	13.356	981	986	991 rBV3	214340	558055	9.61%	0.911%
63	13.459	993	995	998 rVB2	78478	101477	1.75%	0.166%
64	13.551	1001	1003	1007 rBV3	108320	218955	3.77%	0.358%
65	13.665	1011	1013	1015 rBV2	114009	194565	3.35%	0.318%
66	13.734	1017	1019	1020 rVV2	135869	137192	2.36%	0.224%
67	13.779	1020	1023	1026 rVB2	517187	644817	11.11%	1.053%
68	13.917	1032	1035	1041 rVB	1742221	2617911	45.09%	4.275%
69	14.031	1042	1045	1046 rBV3	82208	134264	2.31%	0.219%
70	14.099	1049	1051	1053 rBV2	100855	128997	2.22%	0.211%
71	14.408	1076	1078	1084 rBV2	370901	510733	8.80%	0.834%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.682	1100	1102	1103	rBV	120555	159915	2.75%	0.261%
73	14.934	1121	1124	1127	rBV	409394	902724	15.55%	1.474%
74	15.208	1146	1148	1151	rVB	349523	428534	7.38%	0.700%
75	15.265	1151	1153	1156	rBV	361330	522311	9.00%	0.853%
76	15.322	1156	1158	1160	rBV	893634	1169495	20.15%	1.910%
77	15.722	1191	1193	1195	rBV	129299	196294	3.38%	0.321%
78	15.768	1195	1197	1199	rBV2	180019	292546	5.04%	0.478%
79	15.814	1199	1201	1202	rBV	139901	197804	3.41%	0.323%
80	15.985	1213	1216	1226	rVB3	223709	641004	11.04%	1.047%
81	16.374	1248	1250	1257	rVB	230917	535809	9.23%	0.875%
82	16.671	1274	1276	1281	rVB2	155633	263141	4.53%	0.430%
83	17.288	1327	1330	1335	rVB	159785	378748	6.52%	0.618%

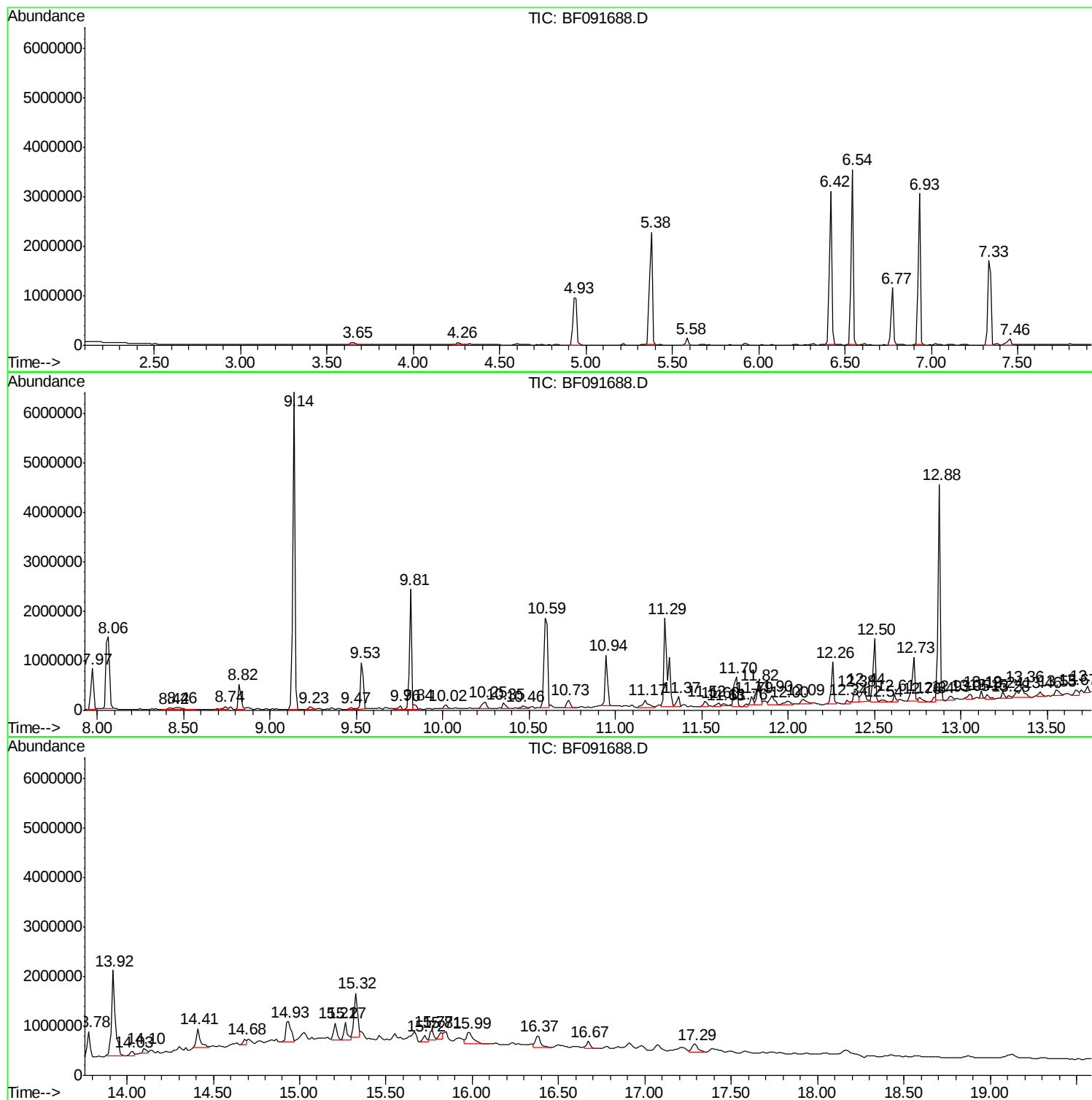
Sum of corrected areas: 61237047

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

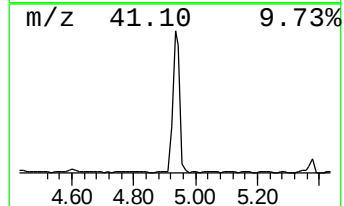
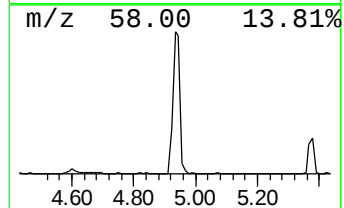
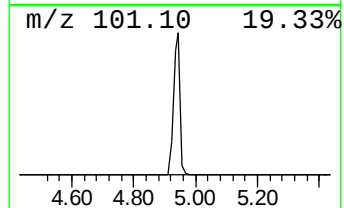
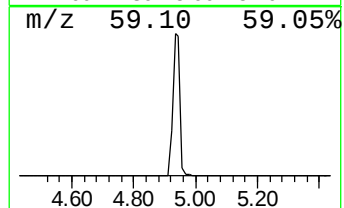
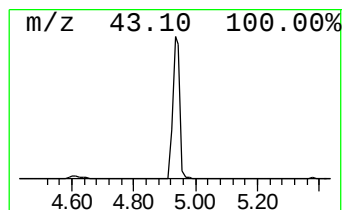
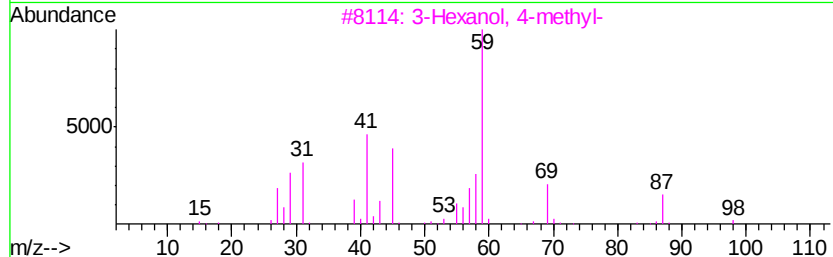
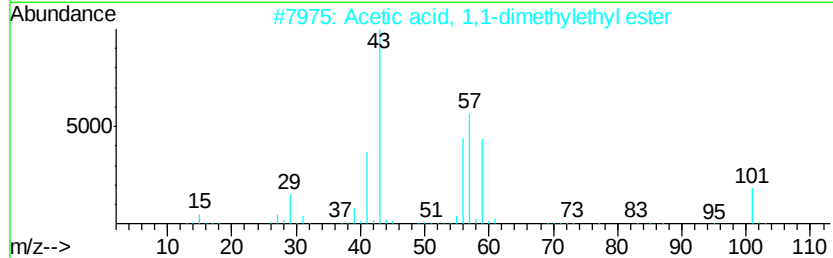
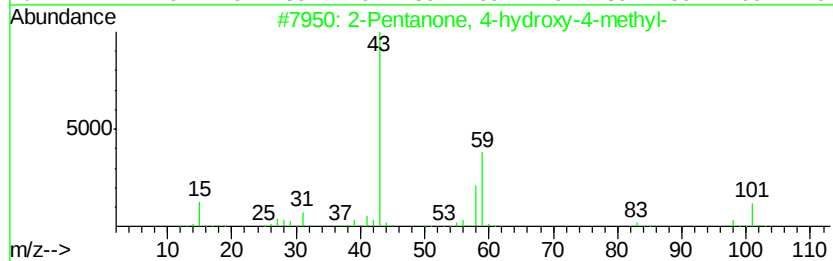
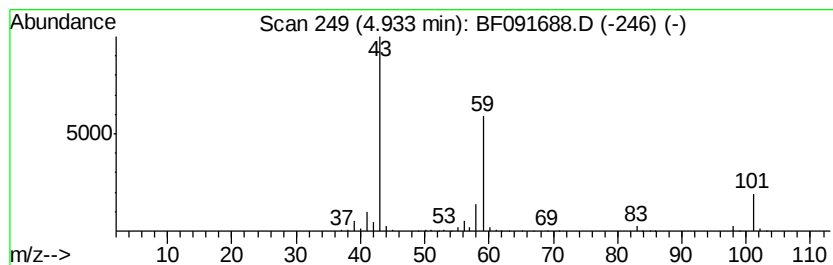
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	32.08 ng	1560820	1,4-Dichlorobenzene-d4	6.77

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4			Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	23
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

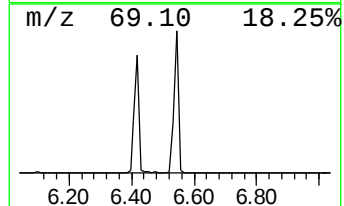
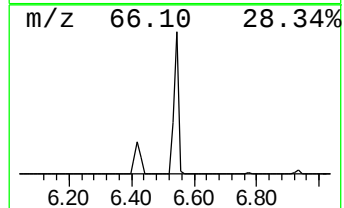
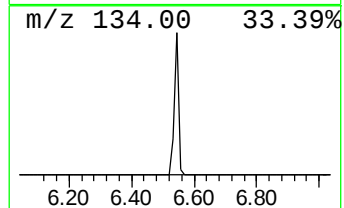
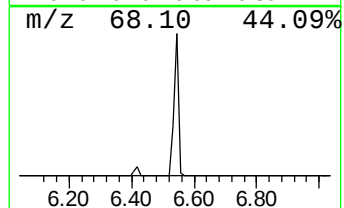
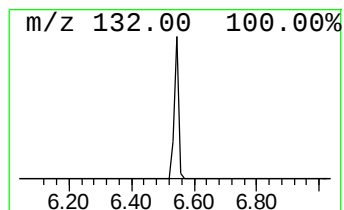
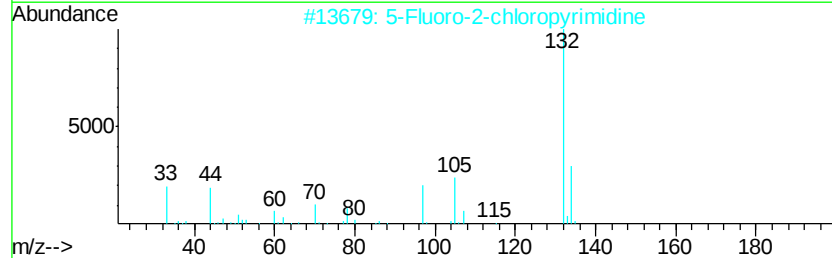
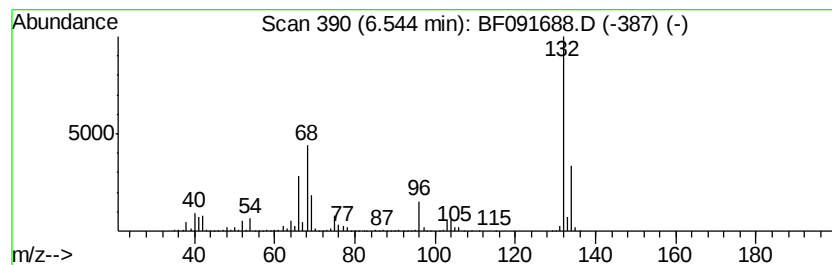
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.54 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	67.13 ng	3266450	1,4-Dichlorobenzene-d4	6.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		Benzene, 1,2,4-trifluoro-	132	C6H3F3	000367-23-7	9
5		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

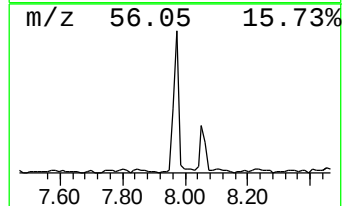
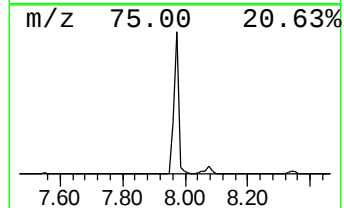
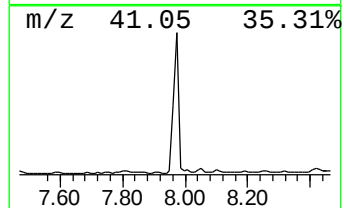
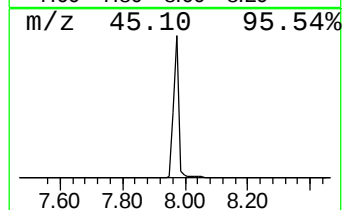
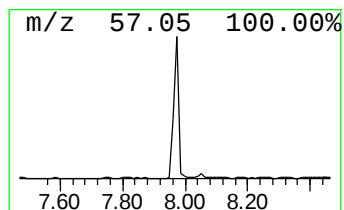
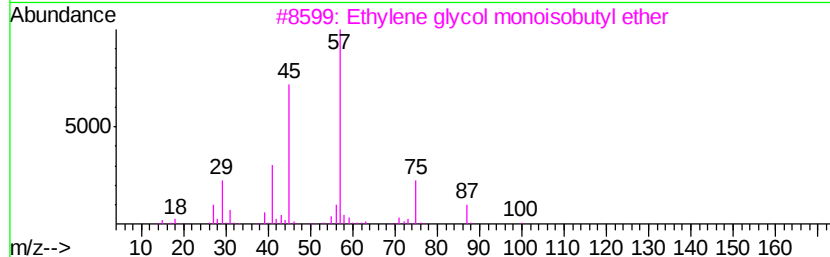
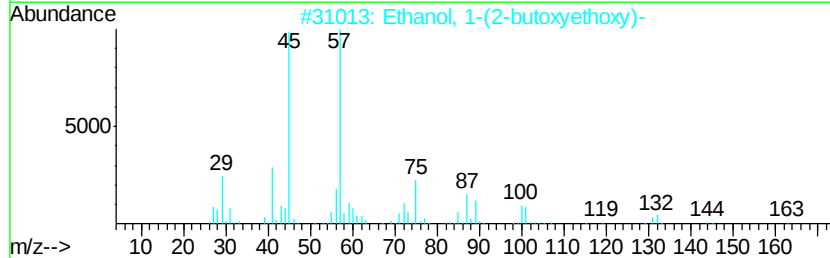
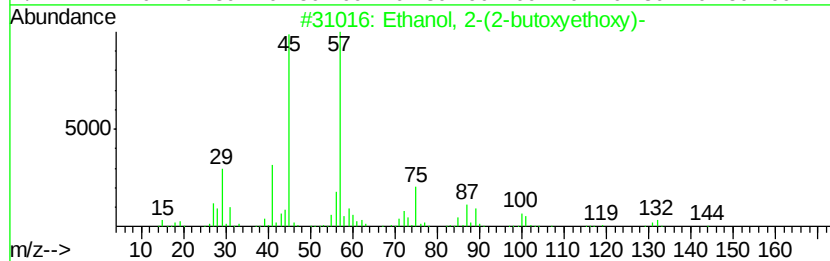
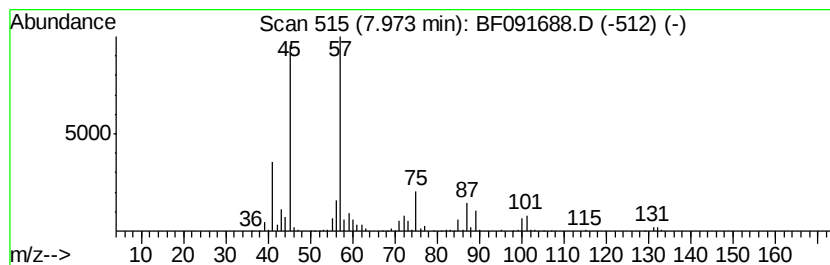
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.97	8.26 ng	840012	Naphthalene-d8	8.06

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2		Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	90
3		Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
4		Di-sec-butyl ether	130	C8H18O	006863-58-7	50
5		3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

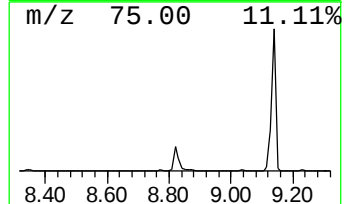
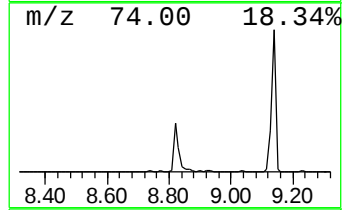
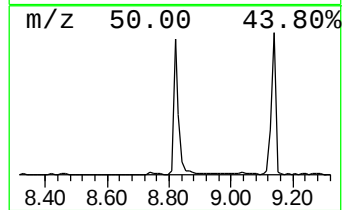
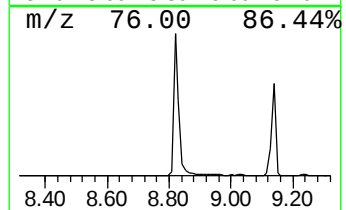
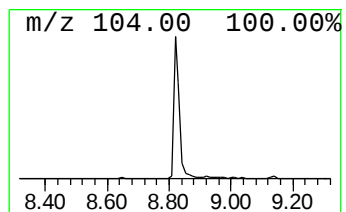
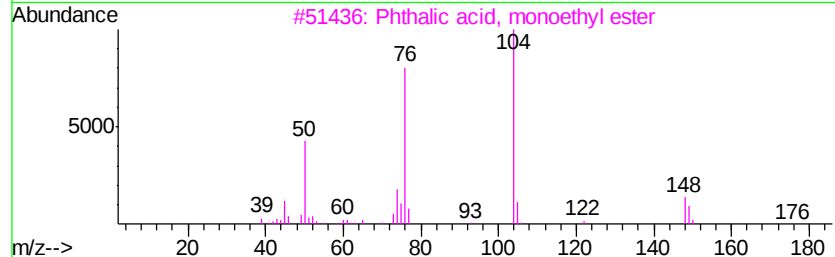
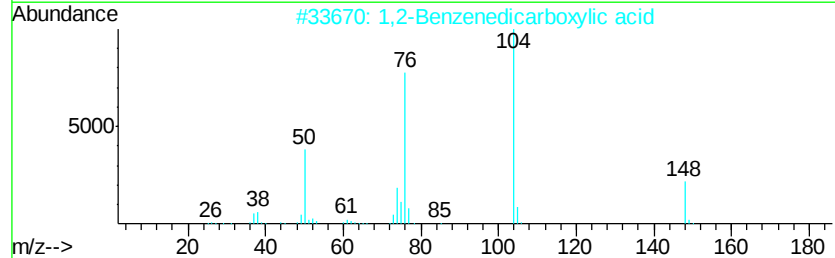
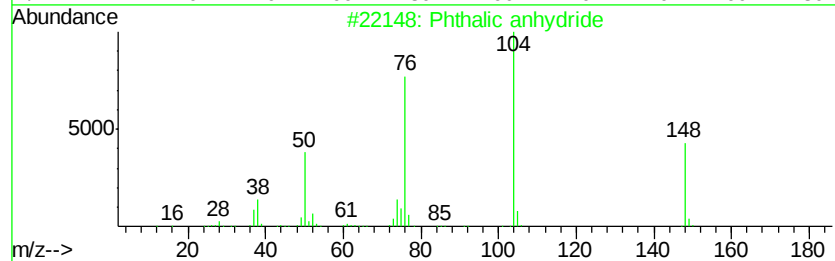
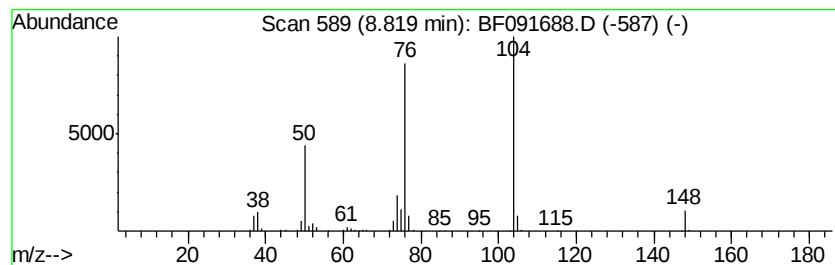
Instrument :
BNA_F
ClientSampleId :
TP12-6FT

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phthalic anhydride Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	5.90 ng	599738	Naphthalene-d8	8.06
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Phthalic anhydride	148 C8H4O3	000085-44-9 95
2		1,2-Benzenedicarboxylic acid	166 C8H6O4	000088-99-3 90
3		Phthalic acid, monoethyl ester	194 C10H10O4	002306-33-4 90
4		Bicyclo[4.2.0]octa-1,3,5-triene...	132 C8H4O2	006383-11-5 86
5		Phthalamic acid	165 C8H7NO3	000088-97-1 74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

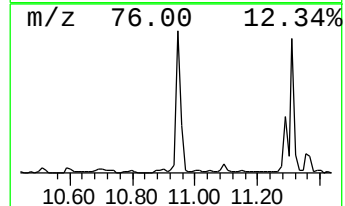
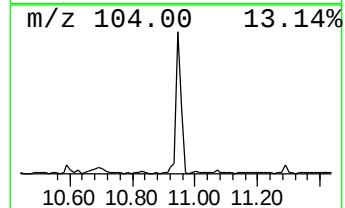
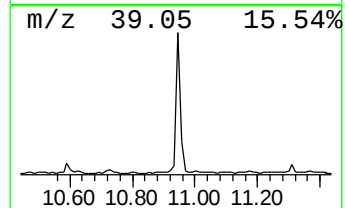
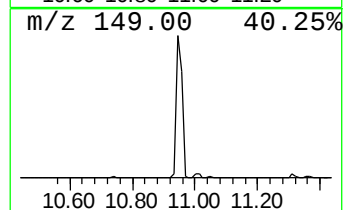
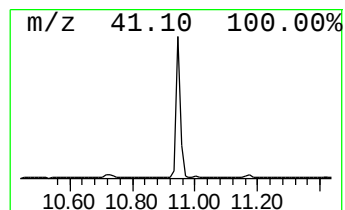
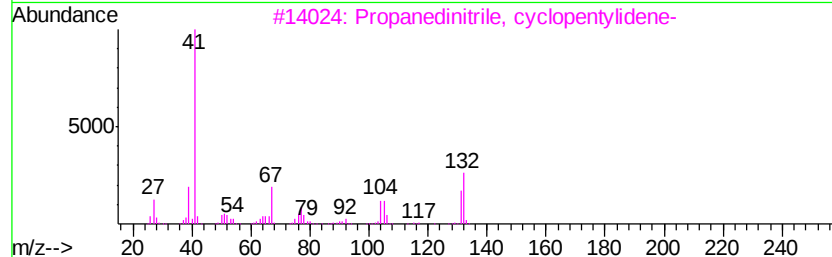
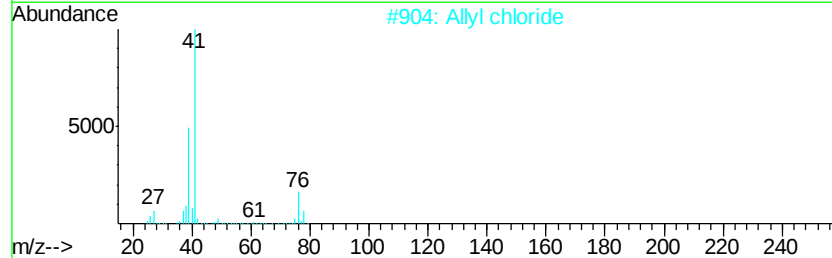
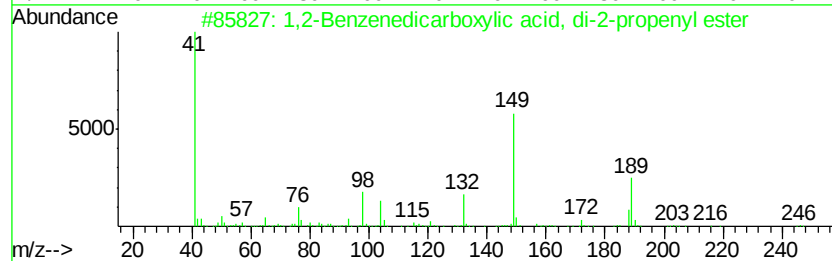
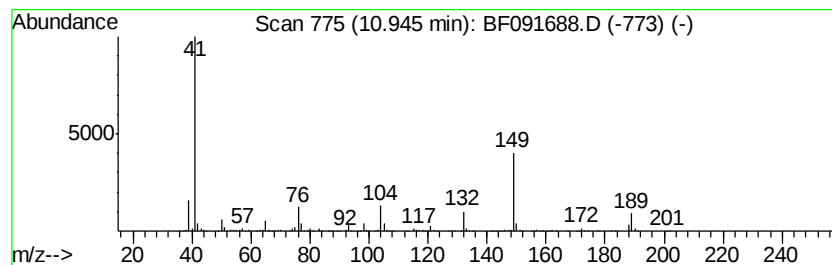
Instrument :
BNA_F
ClientSampleId :
TP12-6FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1,2-Benzenedicarboxylic aci... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.94	8.58 ng	1088400	Phenanthrene-d10	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Benzenedicarboxylic acid, di...	246	C14H14O4	000131-17-9	90
2	Allyl chloride	76	C3H5Cl	000107-05-1	7
3	Propanedinitrile, cyclopentylidene-	132	C8H8N2	005660-83-3	5
4	2-Thiophenethiol, 5-(1,1-dimethyl...	188	C8H12OS2	054789-36-5	4
5	2-Butene, 1-chloro-3-methyl-	104	C5H9Cl	000503-60-6	4



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

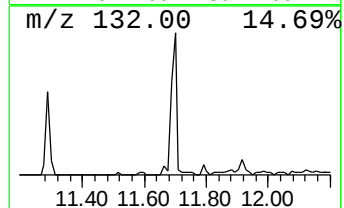
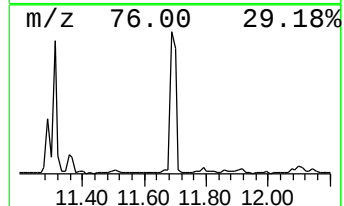
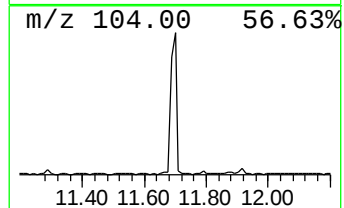
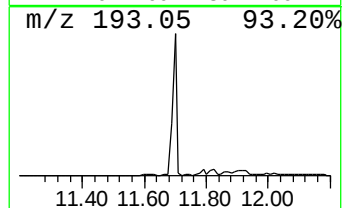
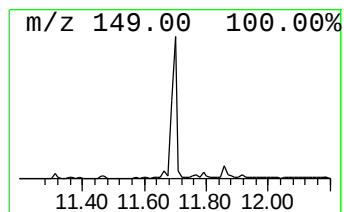
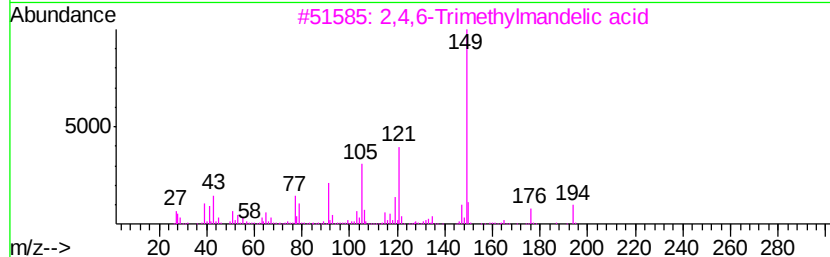
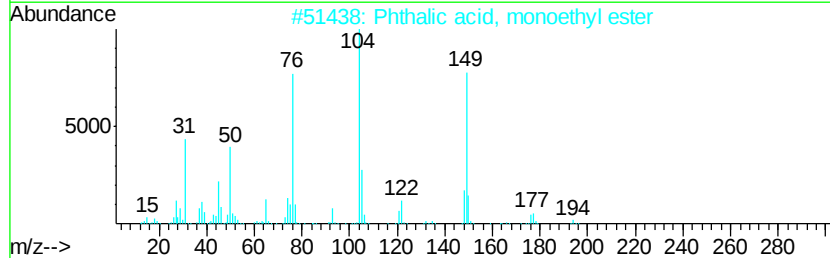
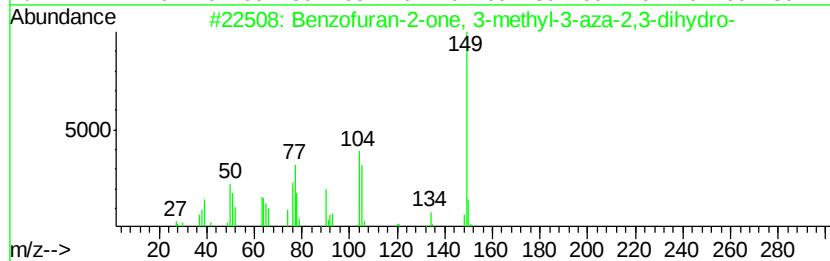
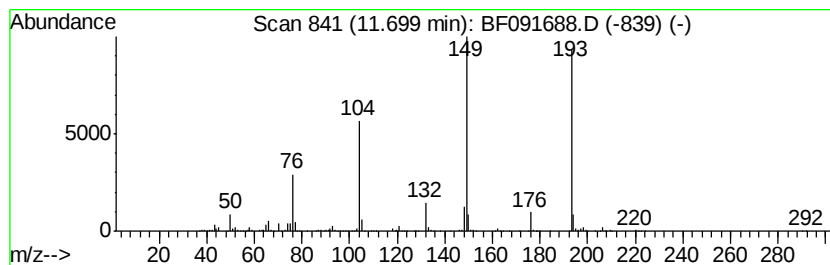
Instrument :
BNA_F
ClientSampleId :
TP12-6FT

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown11.70 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.70	5.68 ng	721126	Phenanthrene-d10	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran-2-one, 3-methyl-3-aza...	149	C8H7NO2	1000289-12-2	43
2	Phthalic acid, monoethyl ester	194	C10H10O4	002306-33-4	28
3	2,4,6-Trimethylmandelic acid	194	C11H14O3	020797-56-2	22
4	5H-PYRROLO(3,2-D)PYRIMIDINE-2,4-...	149	C6H7N5	1000244-21-4	22
5	1,2-Benzenedicarboxylic acid, di...	306	C18H26O4	000131-18-0	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

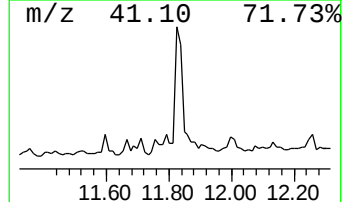
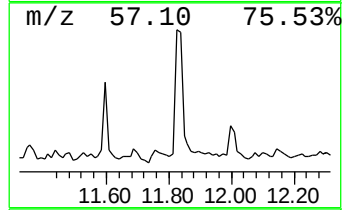
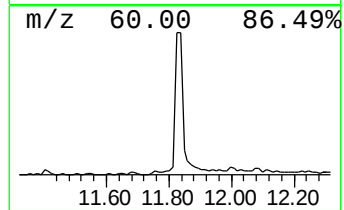
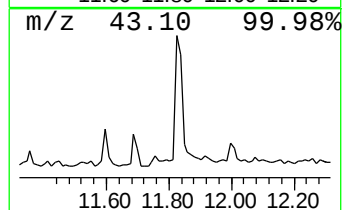
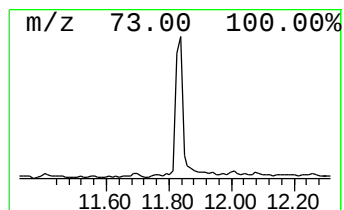
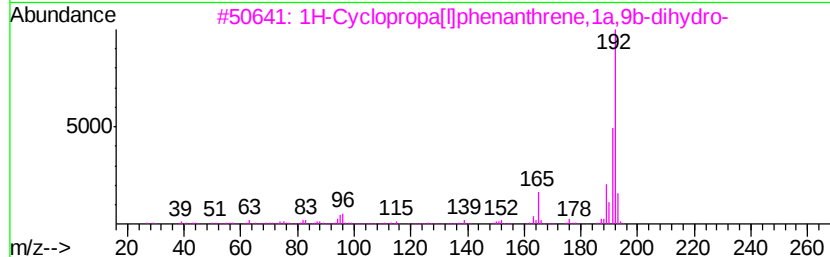
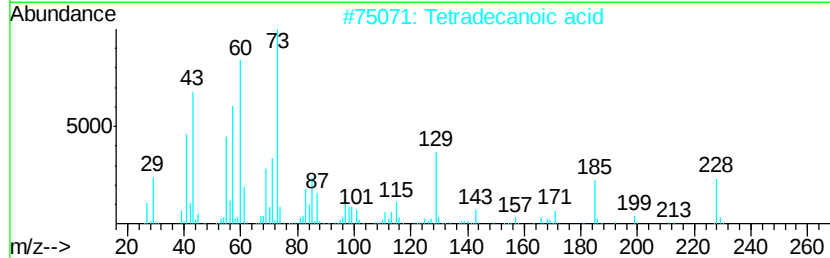
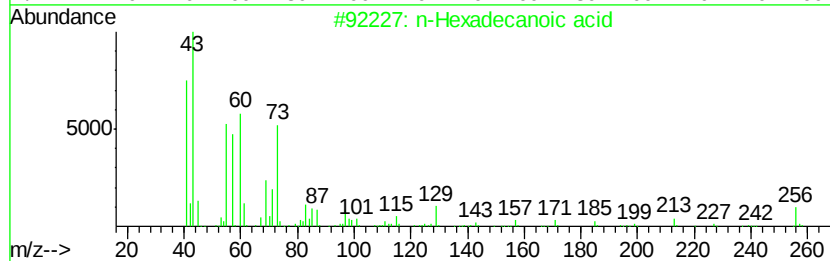
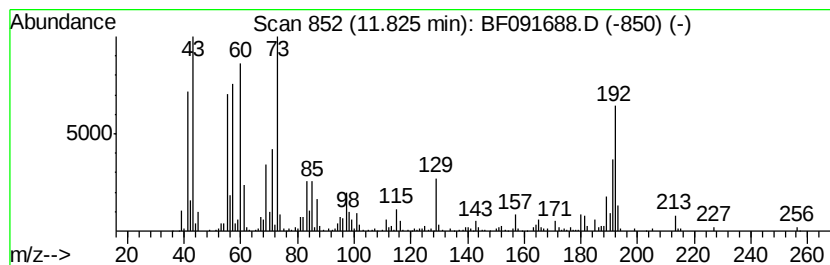
Instrument :
BNA_F
ClientSampleId :
TP12-6FT

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.82	5.40 ng	685507	Phenanthrene-d10	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	62
3	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	44
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	40
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

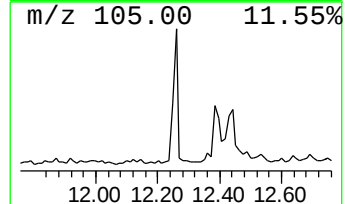
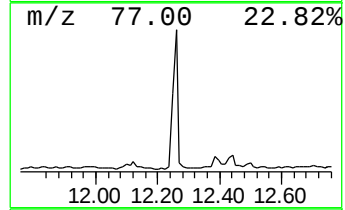
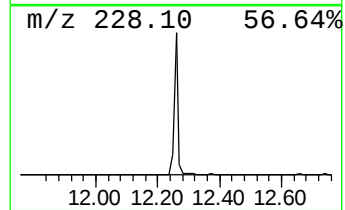
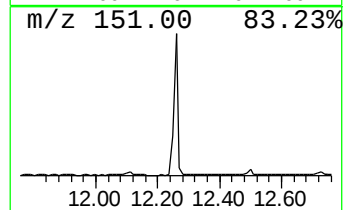
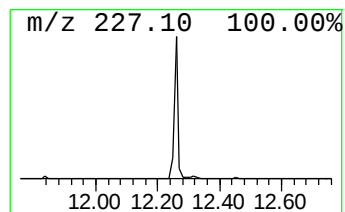
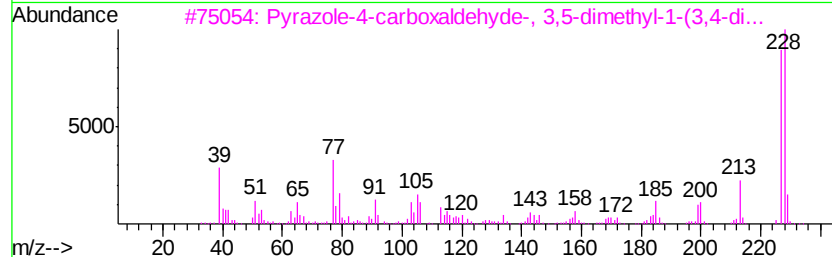
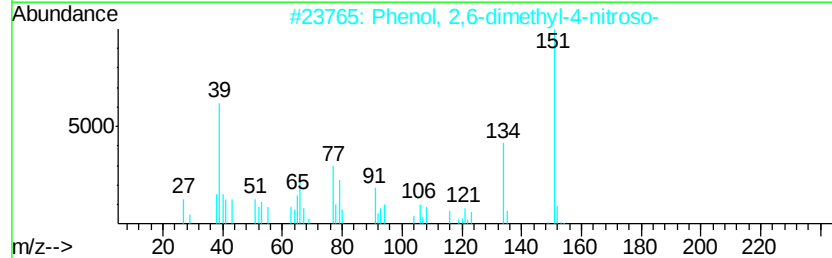
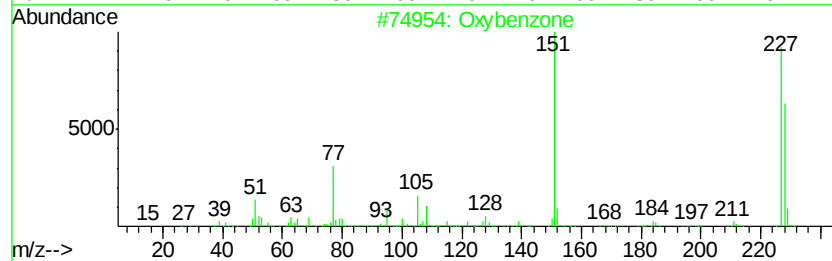
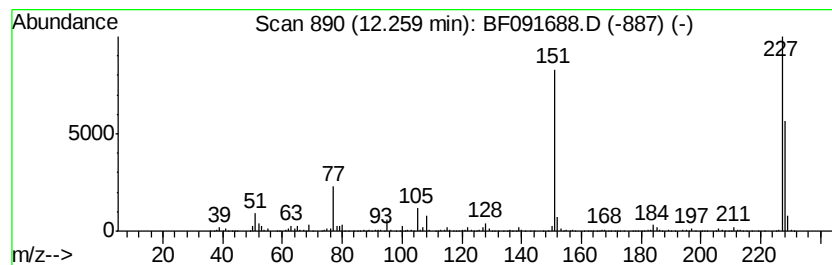
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Oxybenzone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	6.39 ng	810610	Phenanthrene-d10	11.29

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Oxybenzone	228	C14H12O3	000131-57-7	98
2		Phenol, 2,6-dimethyl-4-nitroso-	151	C8H9NO2	013331-93-6	35
3		Pvrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	27
4		Ethanone, 2,2-dimethoxy-1,2-diph...	256	C16H16O3	024650-42-8	22
5		1,4-Benzodioxan-6-amine	151	C8H9NO2	022013-33-8	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

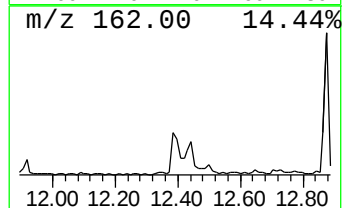
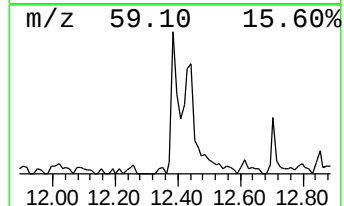
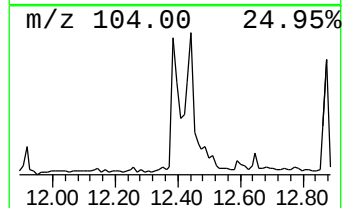
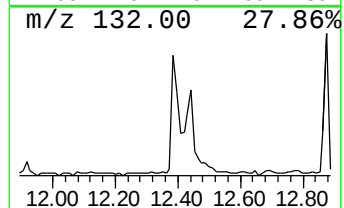
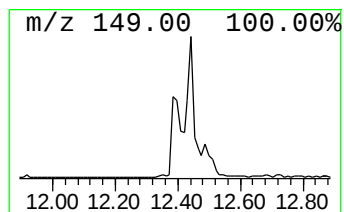
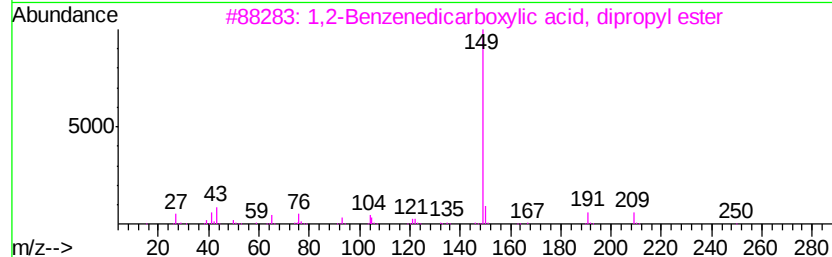
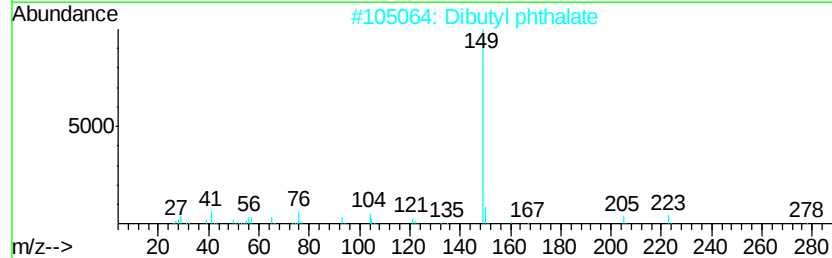
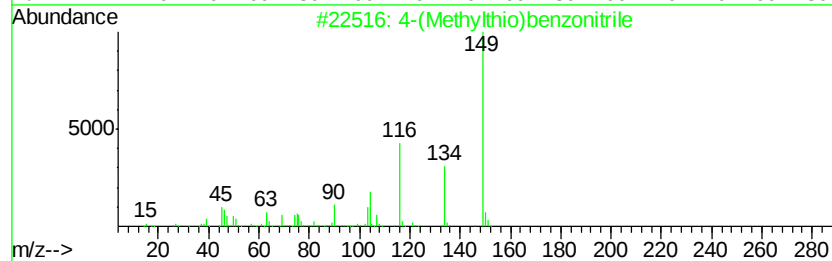
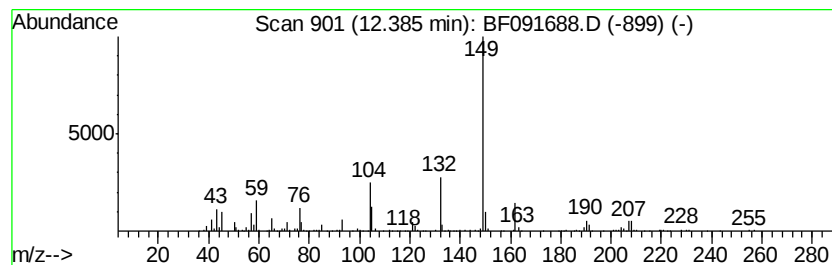
Instrument :
BNA_F
ClientSampleId :
TP12-6FT

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4-(Methylthio)benzonitrile Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.39	3.08 ng	390611	Phenanthrene-d10	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(Methylthio)benzonitrile	149	C8H7NS	021382-98-9	50
2	Dibutyl phthalate	278	C16H22O4	000084-74-2	47
3	1,2-Benzenedicarboxylic acid, di...	250	C14H18O4	000131-16-8	47
4	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000084-78-6	47
5	1,2-Benzenedicarboxylic acid, mo...	222	C12H14O4	000131-70-4	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

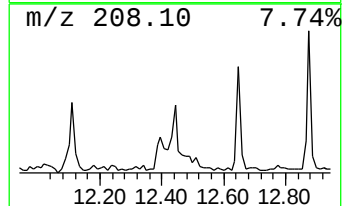
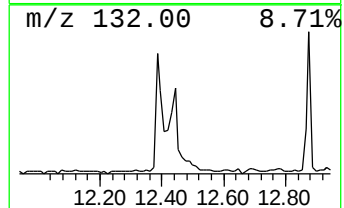
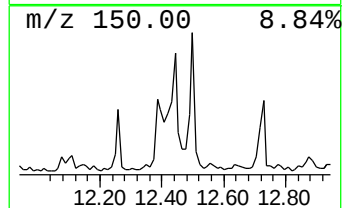
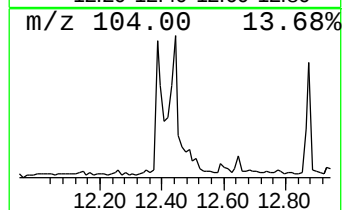
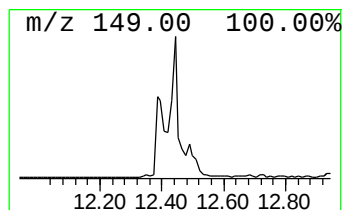
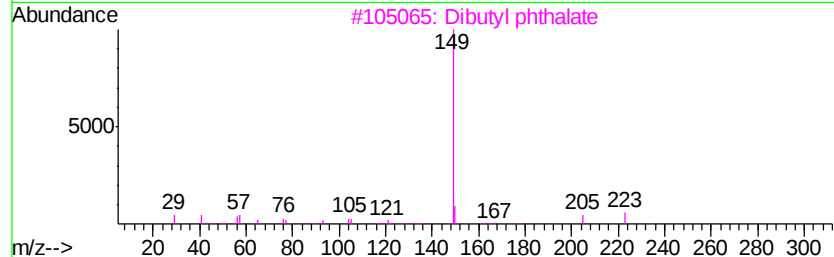
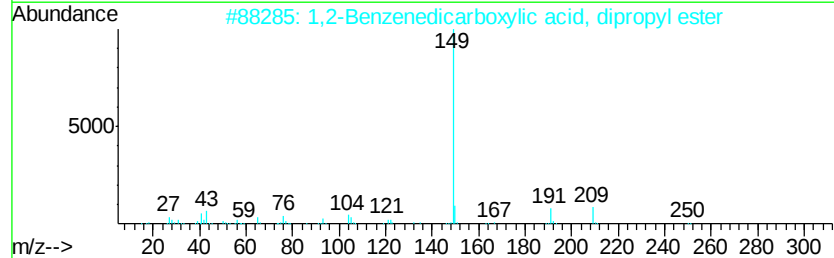
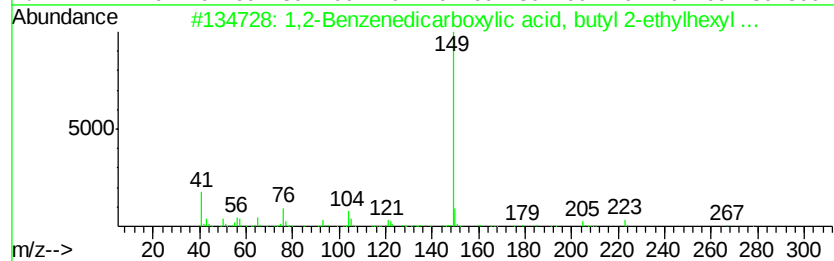
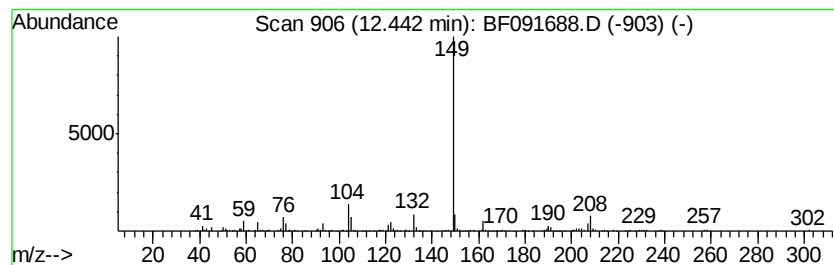
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,2-Benzenedicarboxylic aci... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	3.69 ng	468814	Phenanthrene-d10	11.29

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000085-69-8	64
2			1,2-Benzenedicarboxylic acid, di...	250	C14H18O4	000131-16-8	59
3			Dibutyl phthalate	278	C16H22O4	000084-74-2	53
4			1,2-Benzenedicarboxylic acid, bi...	250	C14H18O4	000605-45-8	50
5			1,2-Benzenedicarboxylic acid, bu...	278	C16H22O4	017851-53-5	45



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

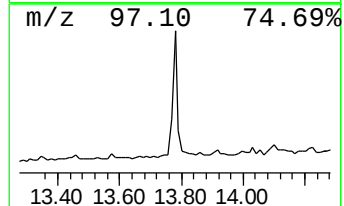
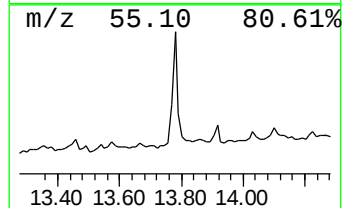
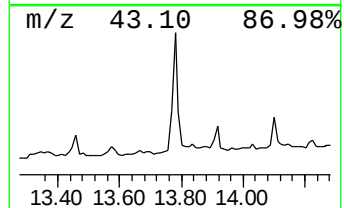
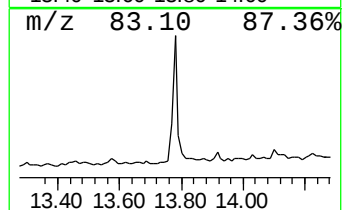
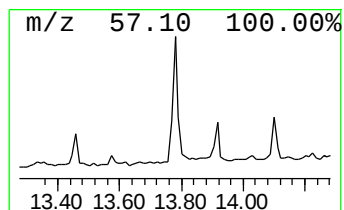
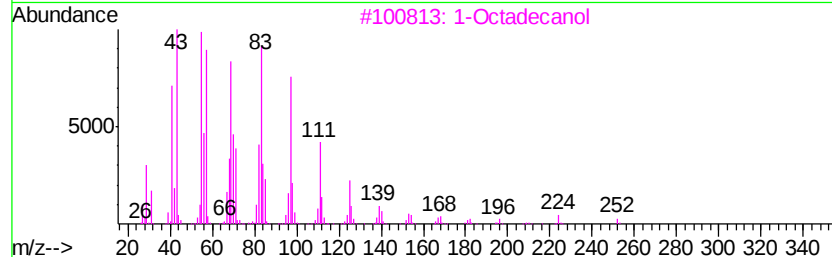
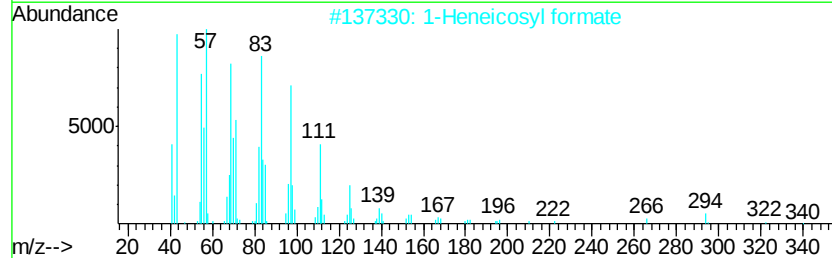
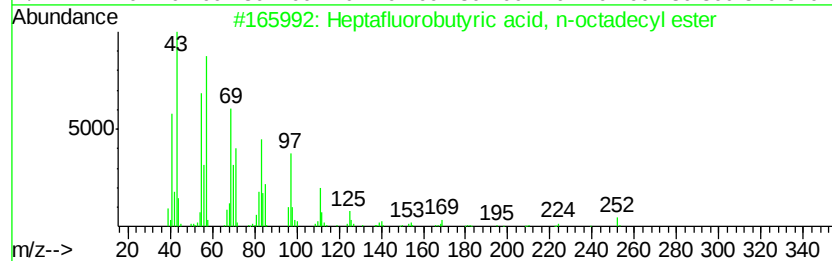
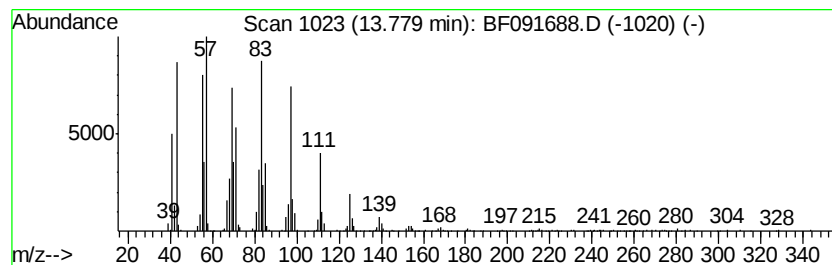
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Heptafluorobutyric acid, n-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	4.93 ng	644817	Chrysene-d12	13.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptafluorobutyric acid, n-octadecyl...	466	C22H37F7O2	000400-57-7	91
2		1-Heneicosyl formate	340	C22H44O2	077899-03-7	91
3		1-Octadecanol	270	C18H38O	000112-92-5	90
4		2-Chloropropionic acid, hexadecyl...	332	C19H37ClO2	086711-81-1	87
5		1-Nonadecene	266	C19H38	018435-45-5	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

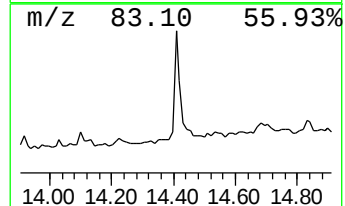
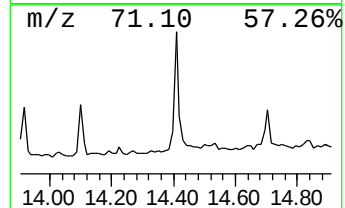
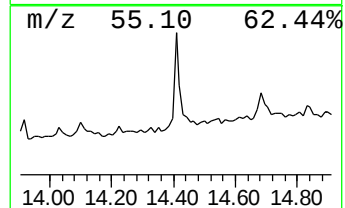
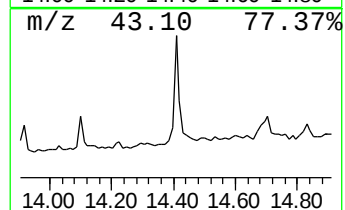
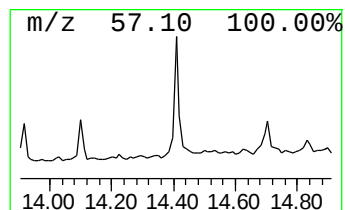
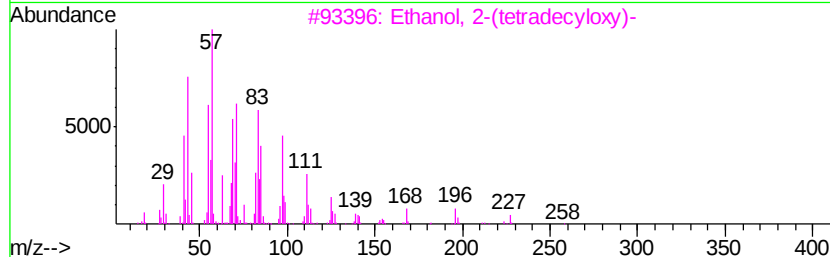
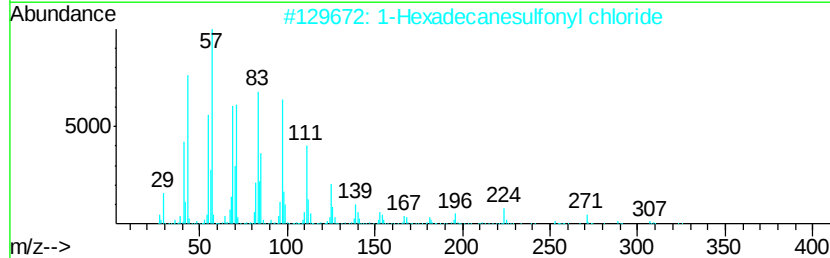
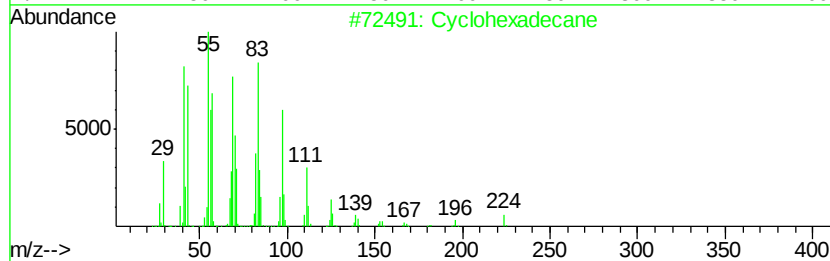
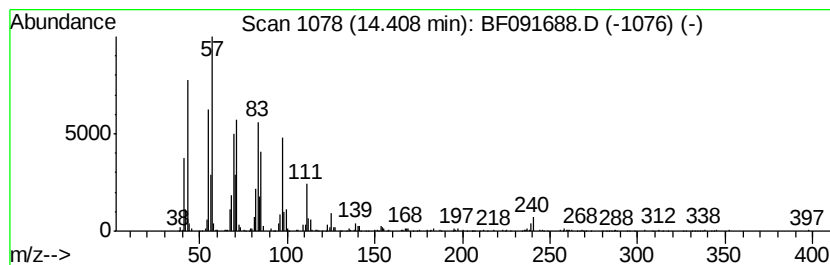
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclohexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	3.90 ng	510733	Chrysene-d12	13.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexadecane	224	C16H32	000295-65-8	96
2		1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	83
3		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	83
4		1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	74
5		1-Octadecanol	270	C18H38O	000112-92-5	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

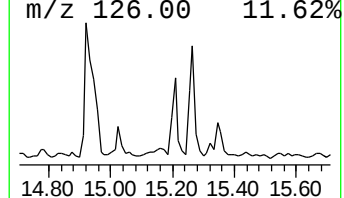
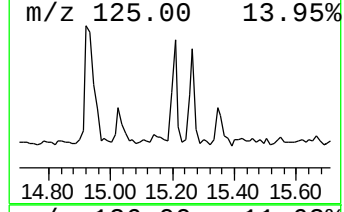
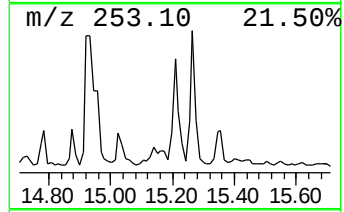
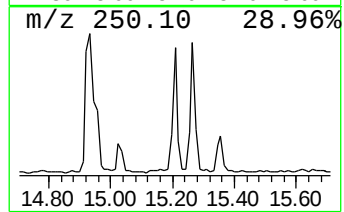
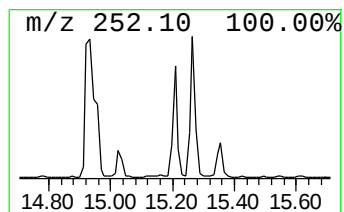
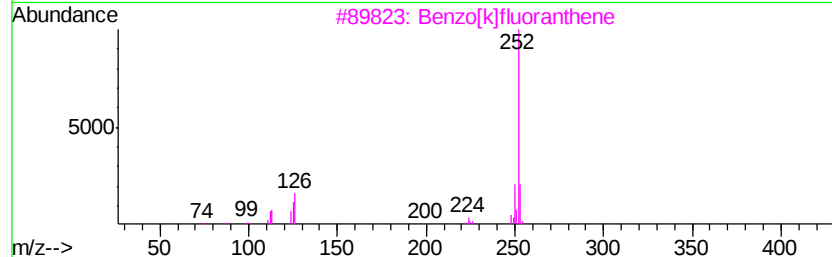
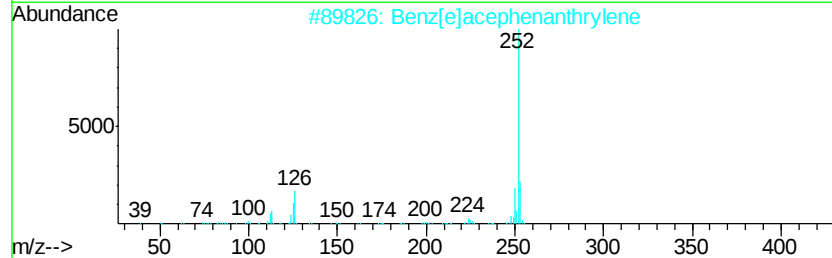
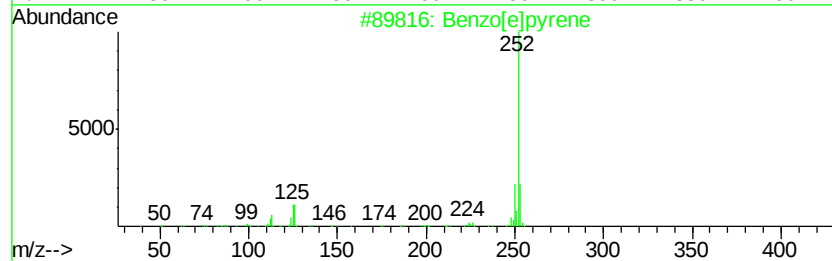
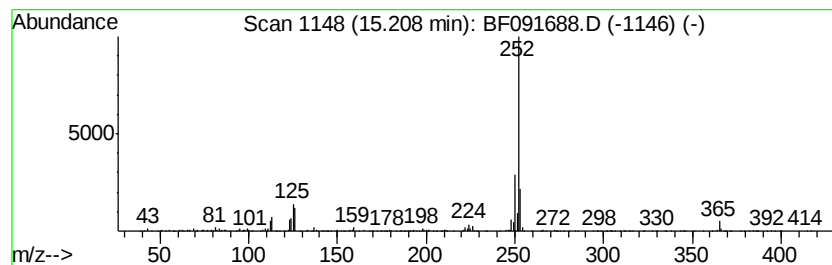
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	7.33 ng	428534	Perylene-d12	15.32

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	96
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4		Benzo[a]pyrene	252	C20H12	000050-32-8	90
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
TP12-6FT

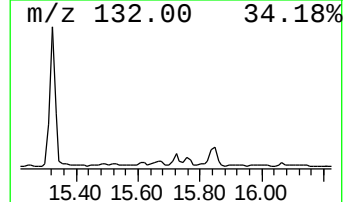
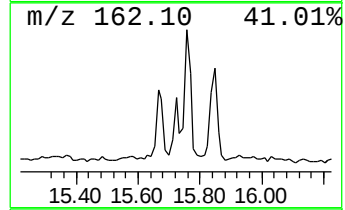
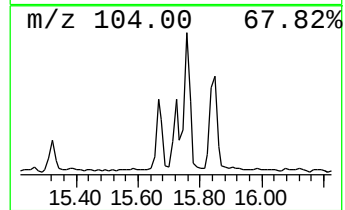
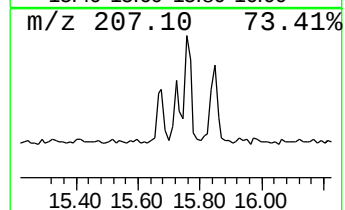
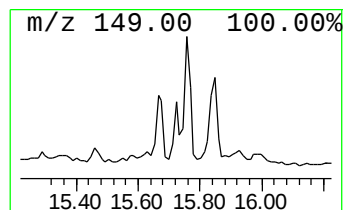
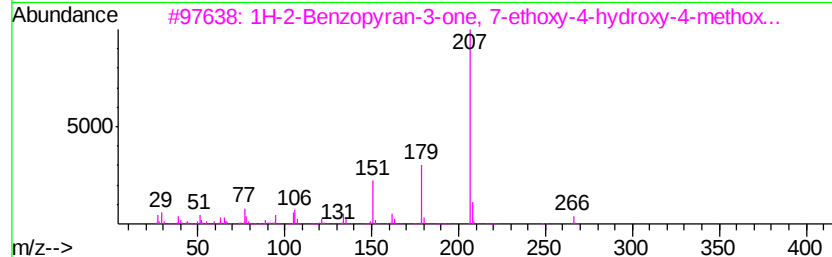
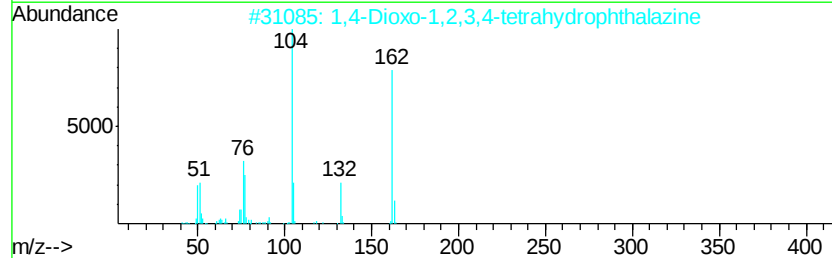
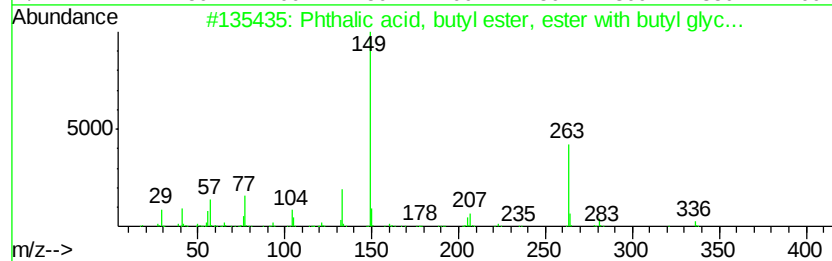
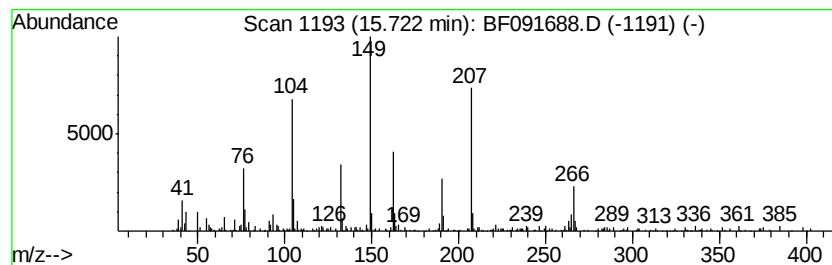
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown15.72 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	3.36 ng	196294	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phthalic acid, butyl ester, este...	336	C18H24O6	000085-70-1	14
2		1,4-Dioxo-1,2,3,4-tetrahydrophth...	162	C8H6N2O2	001445-69-8	14
3		1H-2-Benzopyran-3-one, 7-ethoxy-...	266	C13H14O6	1000158-14-3	14
4		Cyclobarbital	236	C12H16N2O3	000052-31-3	11
5		1-Methyl-3-phenylindole	207	C15H13N	030020-98-5	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

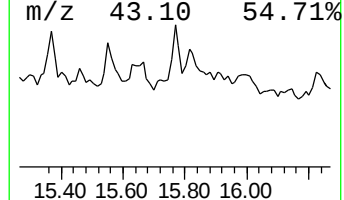
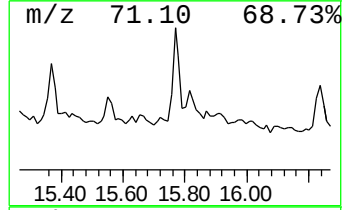
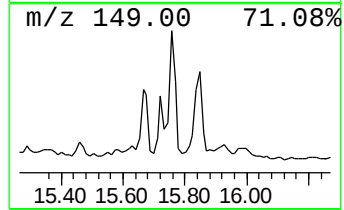
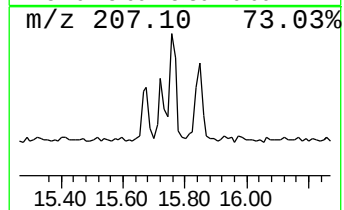
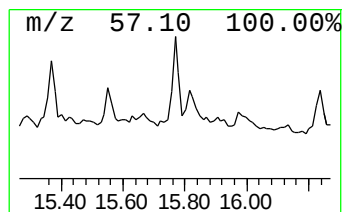
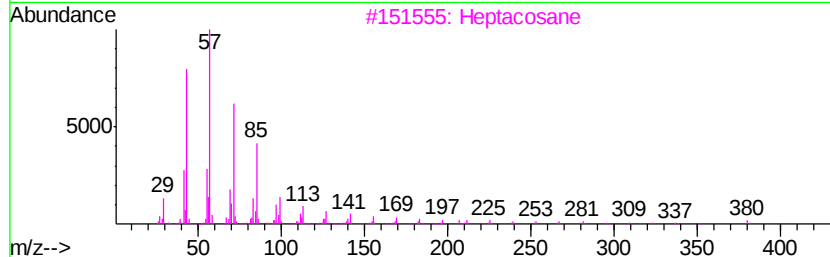
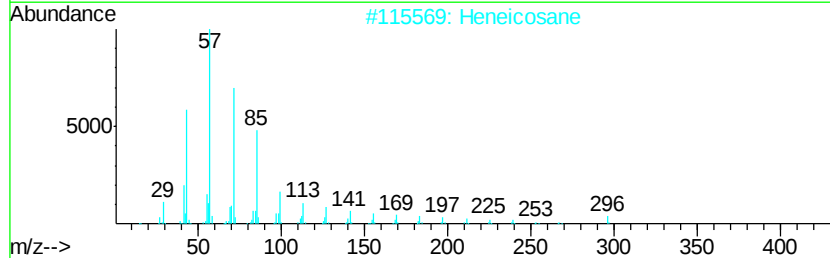
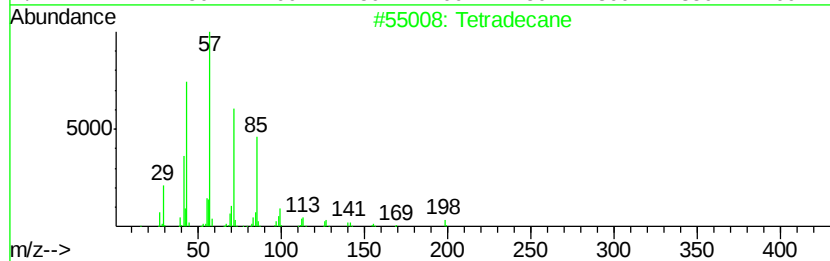
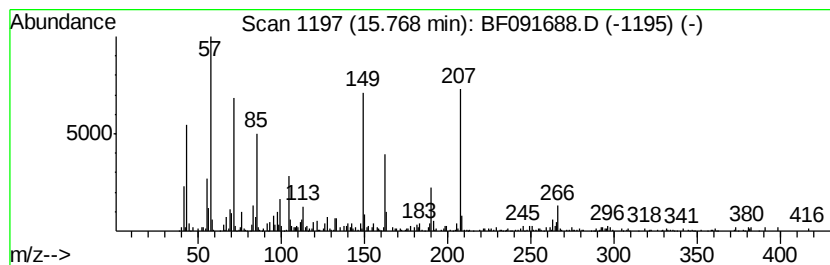
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown15.77 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	5.00 ng	292546	Perylene-d12	15.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	35
2			Heneicosane	296	C21H44	000629-94-7	25
3			Heptacosane	380	C27H56	000593-49-7	20
4			Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	18
5			Octadecane	254	C18H38	000593-45-3	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

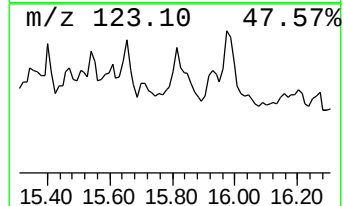
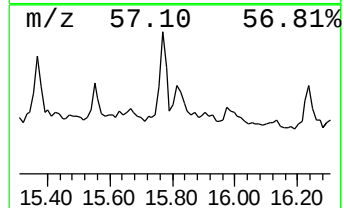
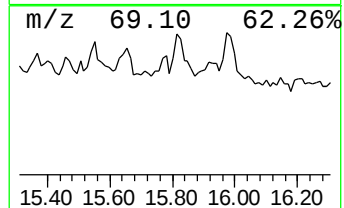
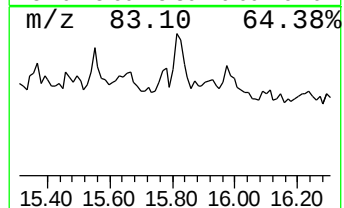
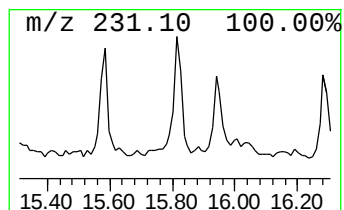
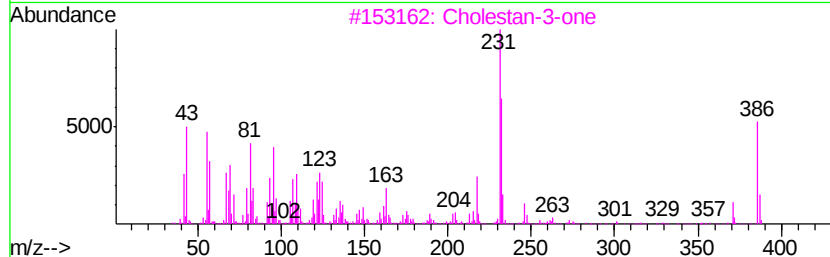
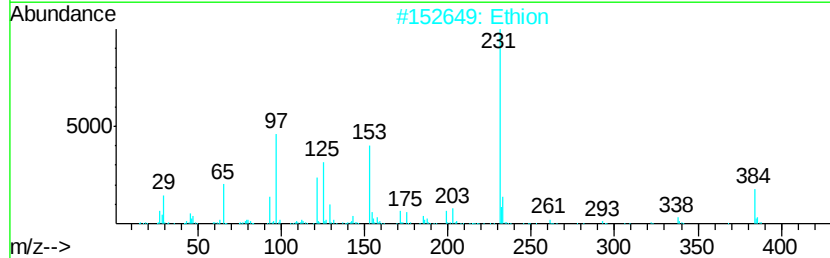
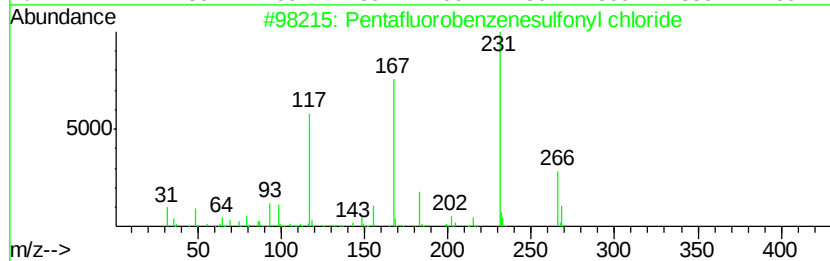
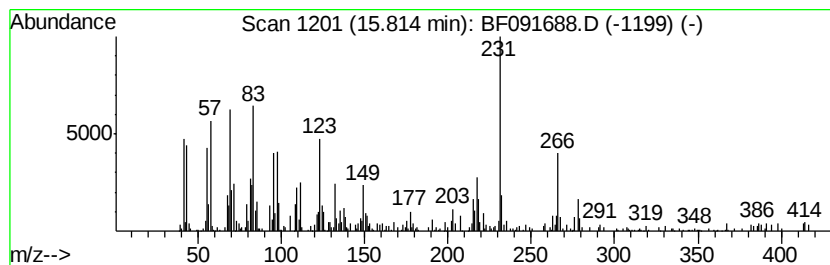
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown15.81 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	3.38 ng	197804	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentafluorobenzenesulfonyl chloride	266	C6ClF5O2S	000832-53-1	35
2		Ethion	384	C9H22O4P2S4	000563-12-2	35
3		Cholestan-3-one	386	C27H46O	015600-08-5	30
4		Phosphoric acid (dimethyl), (2-c...	266	C9H12ClO5P	094420-73-2	25
5		Benzoic acid, 2-(5-pyrazolylcarb...	231	C11H9N3O3	1000277-53-0	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

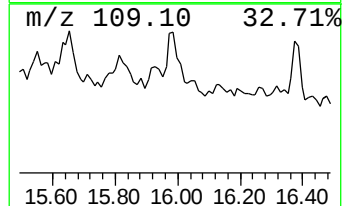
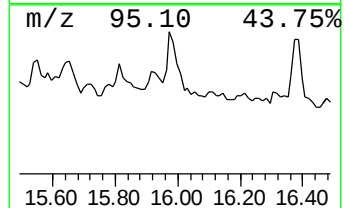
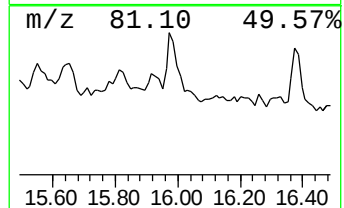
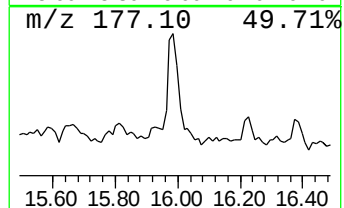
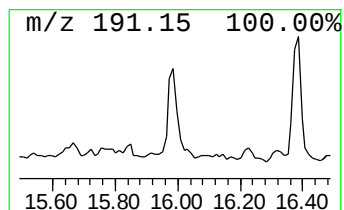
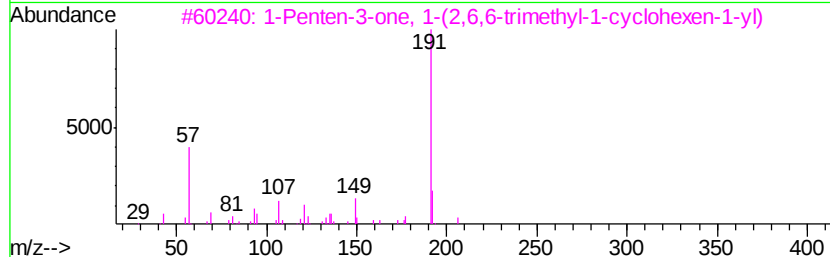
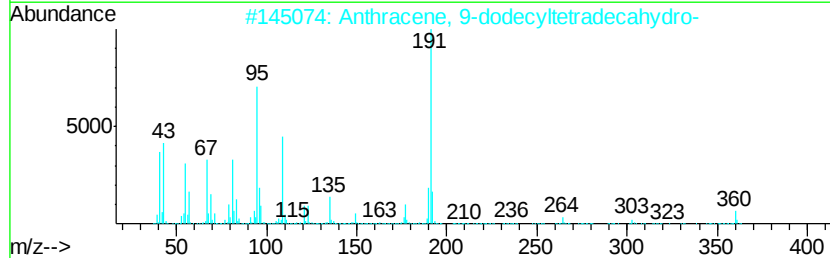
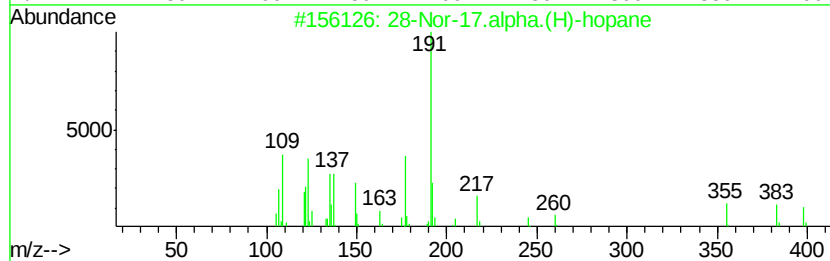
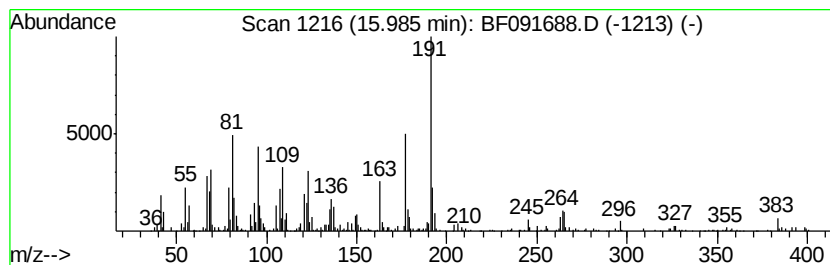
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 28-Nor-17.alpha.(H)-hopane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	10.96 ng	641004	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	81
2		Anthracene, 9-dodecyltetradeca...	360	C26H48	055401-75-7	37
3		1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	35
4		2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	32
5		2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	32



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

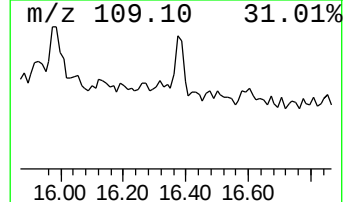
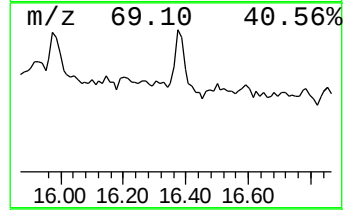
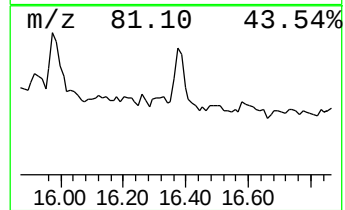
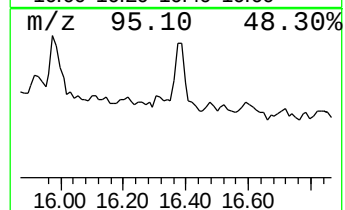
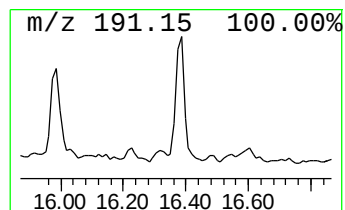
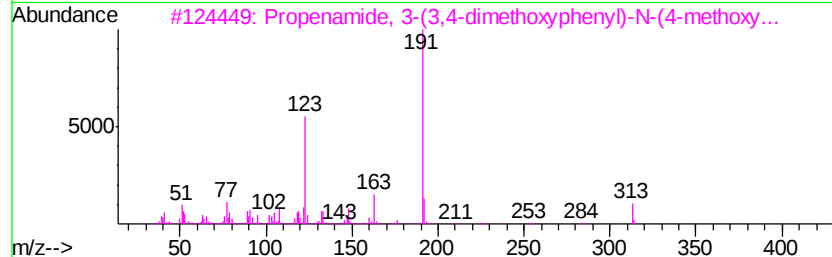
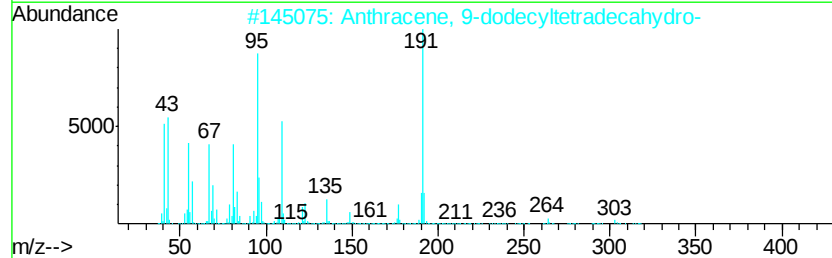
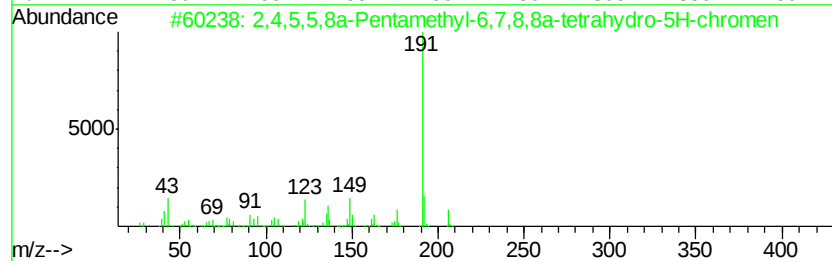
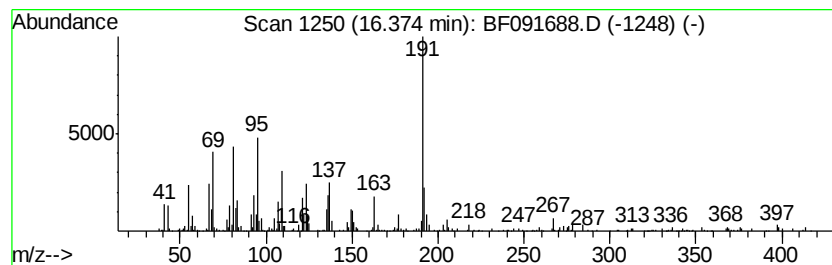
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown16.37 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.37	9.16 ng	535809	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	47
2		Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	42
3		Propenamide, 3-(3,4-dimethoxyvpe...	313	C18H19NO4	339165-72-9	38
4		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	37
5		Anthracene, 9,9'-(1,2-ethanediyl...	382	C30H22	004709-79-9	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091688.D
Acq On : 16 Dec 2016 22:22
Operator : UM/SJ
Sample : H6099-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP12-6FT

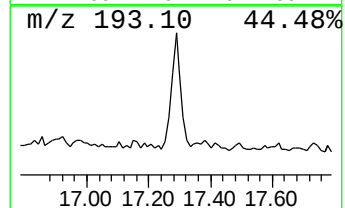
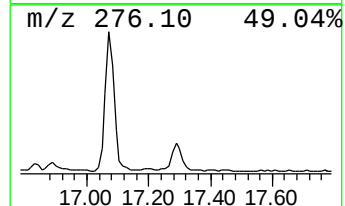
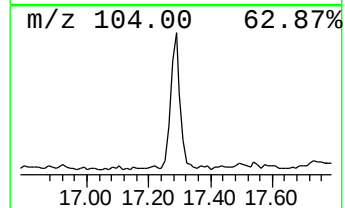
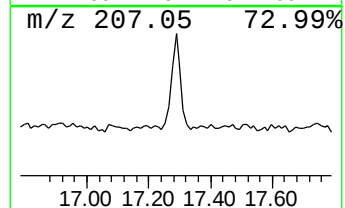
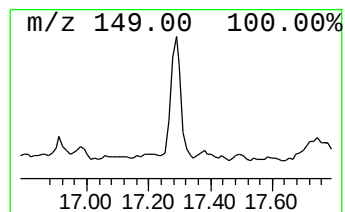
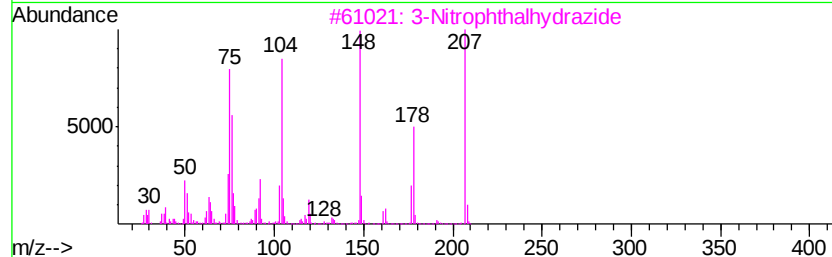
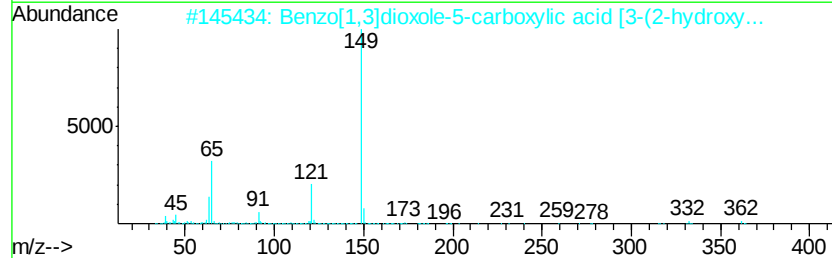
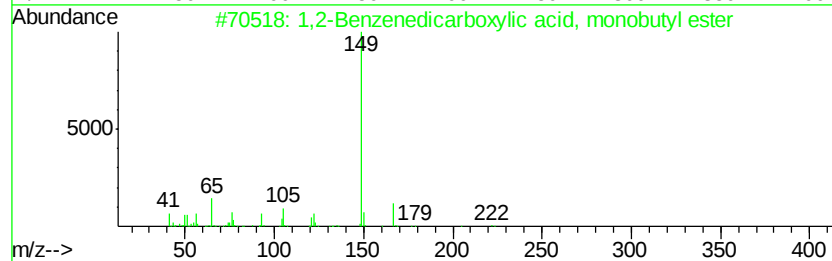
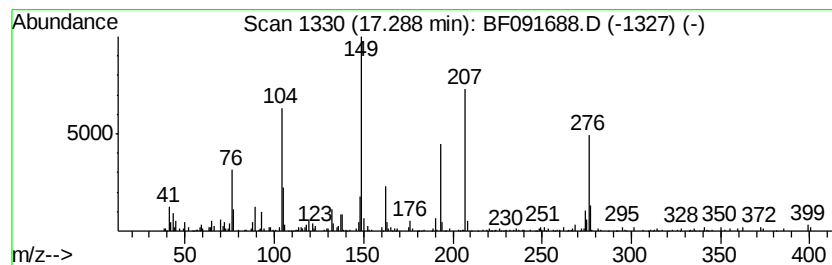
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown17.29 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	6.48 ng	378748	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2-Benzenedicarboxylic acid, mo...	222	C12H14O4	000131-70-4	18
2		Benzo[1,3]dioxole-5-carboxylic a...	362	C16H14N2O6S	1000296-89-7	11
3		3-Nitrophthalhydrazide	207	C8H5N3O4	003682-15-3	10
4		1,2-Benzenedicarboxylic acid, di...	306	C18H26O4	000131-18-0	10
5		7-Methylthieno[3,2-b]pyridine	149	C8H7NS	013362-83-9	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091688.D
 Acq On : 16 Dec 2016 22:22
 Operator : UM/SJ
 Sample : H6099-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP12-6FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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
2-Pentanone, 4-hy...	4.93	32.1 ng		1560820	1	6.77	973163	20.0
unknown6.54	6.54	67.1 ng		3266450	1	6.77	973163	20.0
Ethanol, 2-(2-but...	7.97	8.3 ng		840012	2	8.06	2032860	20.0
Phthalic anhydride	8.82	5.9 ng		599738	2	8.06	2032860	20.0
1,2-Benzenedicarb...	10.94	8.6 ng		1088400	4	11.29	2538200	20.0
unknown11.70	11.70	5.7 ng		721126	4	11.29	2538200	20.0
n-Hexadecanoic acid	11.82	5.4 ng		685507	4	11.29	2538200	20.0
Oxybenzone	12.26	6.4 ng		810610	4	11.29	2538200	20.0
4-(Methylthio)ben...	12.39	3.1 ng		390611	4	11.29	2538200	20.0
1,2-Benzenedicarb...	12.44	3.7 ng		468814	4	11.29	2538200	20.0
Heptafluorobutyri...	13.78	4.9 ng		644817	5	13.92	2617910	20.0
Cyclohexadecane	14.41	3.9 ng		510733	5	13.92	2617910	20.0
Benzo[e]pyrene	15.21	7.3 ng		428534	6	15.32	1169500	20.0
unknown15.72	15.72	3.4 ng		196294	6	15.32	1169500	20.0
unknown15.77	15.77	5.0 ng		292546	6	15.32	1169500	20.0
unknown15.81	15.81	3.4 ng		197804	6	15.32	1169500	20.0
28-Nor-17.alpha.(...	15.99	11.0 ng		641004	6	15.32	1169500	20.0
unknown16.37	16.37	9.2 ng		535809	6	15.32	1169500	20.0
unknown17.29	17.29	6.5 ng		378748	6	15.32	1169500	20.0