

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
 Data File : BF101740.D
 Acq On : 27 Dec 2017 3:20
 Operator : SJ/JU
 Sample : I7021-02 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-SW1-15

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-BF121417.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	4.998	492	495	506	rBV	110342	184066	2.63%	0.177%
2	5.410	562	565	583	rBV	941002	1527118	21.83%	1.467%
3	5.928	649	653	657	rVB2	74130	95687	1.37%	0.092%
4	6.016	663	668	672	rBV2	180816	253938	3.63%	0.244%
5	6.075	675	678	681	rVB	205535	175901	2.51%	0.169%
6	6.210	696	701	705	rBV	176314	233159	3.33%	0.224%
7	6.275	709	712	714	rVB	177010	156667	2.24%	0.150%
8	6.304	714	717	724	rBV3	258228	366390	5.24%	0.352%
9	6.363	724	727	730	rVV	118179	91200	1.30%	0.088%
10	6.434	735	739	744	rBV	1049847	1461086	20.89%	1.404%
11	6.516	749	753	758	rBV5	223105	386569	5.53%	0.371%
12	6.563	758	761	766	rVB	1451968	1578542	22.56%	1.516%
13	6.610	766	769	772	rBV2	353471	402780	5.76%	0.387%
14	6.716	780	787	789	rBV6	132761	301916	4.32%	0.290%
15	6.739	789	791	793	rBV2	201454	195106	2.79%	0.187%
16	6.757	793	794	796	rBV2	102680	102188	1.46%	0.098%
17	6.792	796	800	804	rVB2	1560055	1550212	22.16%	1.489%
18	6.839	804	808	810	rVB3	239089	290911	4.16%	0.279%
19	6.892	810	817	819	rBV6	416580	702761	10.05%	0.675%
20	6.922	819	822	824	rBV	947185	867749	12.40%	0.834%
21	6.945	824	826	831	rVB2	1027695	1235375	17.66%	1.187%
22	6.981	831	832	834	rVB	150303	81367	1.16%	0.078%
23	7.010	834	837	839	rBV2	423713	435578	6.23%	0.418%
24	7.051	839	844	847	rBV3	1141236	1523971	21.78%	1.464%
25	7.086	847	850	852	rBV	616306	512087	7.32%	0.492%
26	7.116	852	855	859	rVB3	711854	1003202	14.34%	0.964%
27	7.175	859	865	868	rBV3	1097182	1726232	24.68%	1.658%
28	7.204	868	870	875	rVB4	419808	551183	7.88%	0.529%
29	7.251	875	878	880	rBV2	449162	460831	6.59%	0.443%
30	7.275	880	882	884	rBV	169102	155812	2.23%	0.150%
31	7.322	884	890	893	rBV2	1447640	2553247	36.50%	2.453%
32	7.363	893	897	898	rBV2	1126170	1307921	18.70%	1.256%
33	7.380	898	900	903	rVB	2045682	1825736	26.10%	1.754%
34	7.428	903	908	911	rBV6	1251964	2103758	30.07%	2.021%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
 Data File : BF101740.D
 Acq On : 27 Dec 2017 3:20
 Operator : SJ/JU
 Sample : I7021-02 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-SW1-15

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-BF121417.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.492	911	919	923	rBV4	1450776	3018497	43.15%	2.900%
36	7.533	923	926	928	rBV2	510922	550053	7.86%	0.528%
37	7.563	928	931	933	rBV2	1766639	1748081	24.99%	1.679%
38	7.586	933	935	938	rVB2	1531736	1591770	22.75%	1.529%
39	7.616	938	940	945	rVB2	579127	679394	9.71%	0.653%
40	7.686	945	952	954	rBV4	2279543	3896822	55.70%	3.743%
41	7.751	959	963	966	rVB2	1744718	2297222	32.84%	2.207%
42	7.786	966	969	971	rBV2	1291254	1283178	18.34%	1.233%
43	7.816	971	974	979	rBV5	2362466	3104377	44.37%	2.982%
44	7.863	979	982	984	rVB2	1040784	724830	10.36%	0.696%
45	7.886	984	986	992	rVB5	1321465	1671493	23.89%	1.606%
46	7.945	992	996	999	rBV2	1606381	2061874	29.47%	1.981%
47	7.975	999	1001	1003	rBV	594244	544568	7.78%	0.523%
48	8.010	1004	1007	1008	rBV3	921517	993311	14.20%	0.954%
49	8.028	1008	1010	1012	rVV2	1065892	1263690	18.06%	1.214%
50	8.057	1012	1015	1020	rVV6	1722392	3606705	51.56%	3.465%
51	8.139	1024	1029	1031	rVV2	3505899	5361224	76.63%	5.150%
52	8.163	1031	1033	1036	rVV2	1233319	1395860	19.95%	1.341%
53	8.227	1040	1044	1046	rBV3	1135717	1560680	22.31%	1.499%
54	8.275	1050	1052	1055	rVB2	1152257	1254075	17.93%	1.205%
55	8.369	1062	1068	1074	rBV5	2646232	5637754	80.59%	5.416%
56	8.422	1074	1077	1080	rVV3	1480388	1688904	24.14%	1.622%
57	8.457	1080	1083	1086	rVV2	1789035	2155462	30.81%	2.071%
58	8.504	1086	1091	1101	rVB3	3170954	6995806	100.00%	6.720%
59	8.586	1102	1105	1107	rBV3	1274583	1194832	17.08%	1.148%
60	8.616	1107	1110	1113	rBV3	762959	1023020	14.62%	0.983%
61	8.645	1113	1115	1117	rVB	712216	496694	7.10%	0.477%
62	8.675	1117	1120	1123	rBV4	1140739	1596493	22.82%	1.534%
63	8.769	1133	1136	1139	rVB4	2236809	2781274	39.76%	2.672%
64	8.804	1139	1142	1144	rBV3	1030206	1129171	16.14%	1.085%
65	8.904	1157	1159	1162	rVB3	1037452	820125	11.72%	0.788%
66	8.957	1165	1168	1170	rBV3	1430041	1915989	27.39%	1.841%
67	9.039	1178	1182	1185	rBV2	1501024	2009008	28.72%	1.930%
68	9.080	1186	1189	1190	rVV	1275142	1396775	19.97%	1.342%
69	9.110	1190	1194	1200	rVB2	2383039	3620961	51.76%	3.478%
70	9.245	1213	1217	1221	rBV3	1379252	2704528	38.66%	2.598%
71	9.439	1246	1250	1253	rBV	1204586	1926211	27.53%	1.850%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

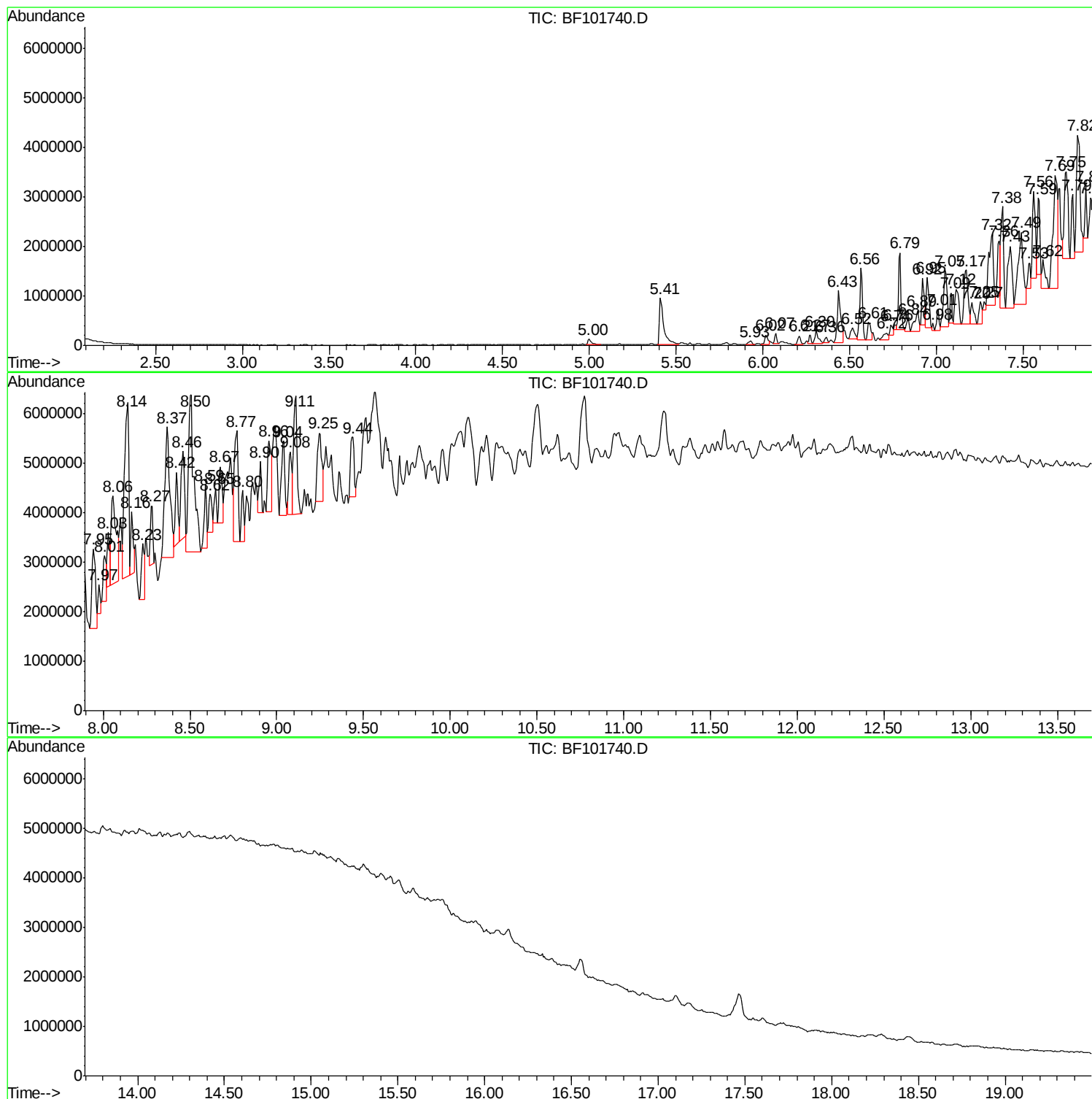
Sum of corrected areas: 104100957

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

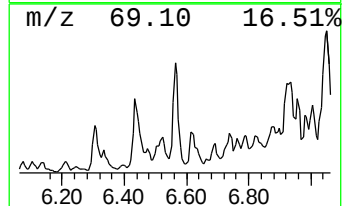
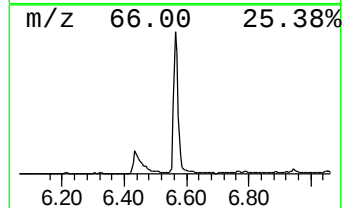
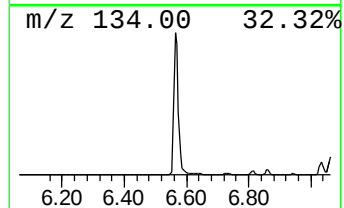
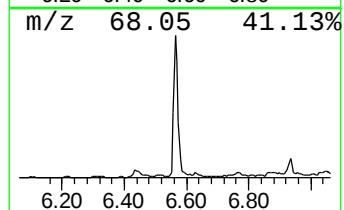
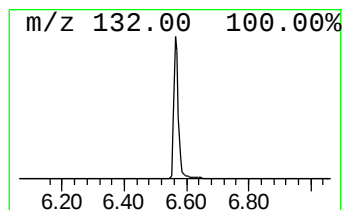
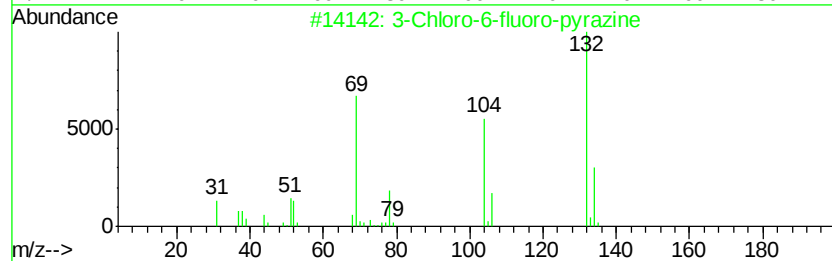
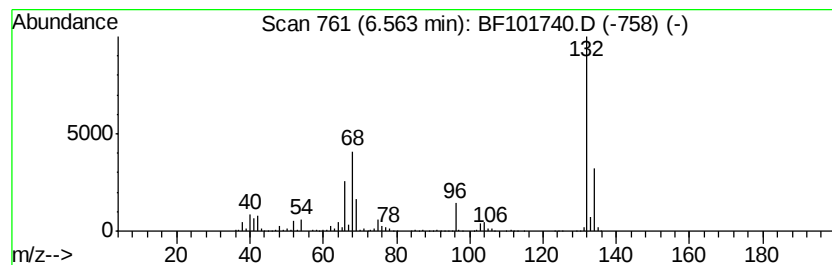
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.56 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	20.37 ng	1578540	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

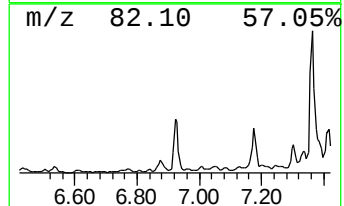
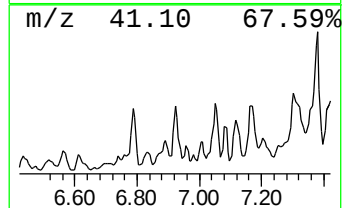
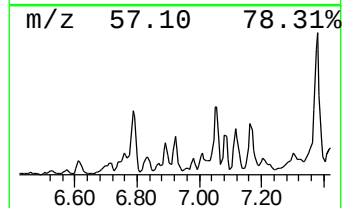
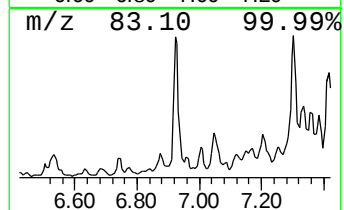
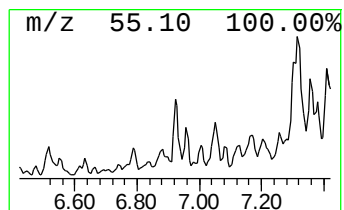
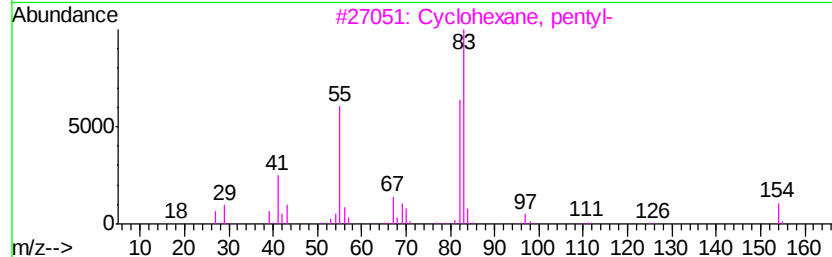
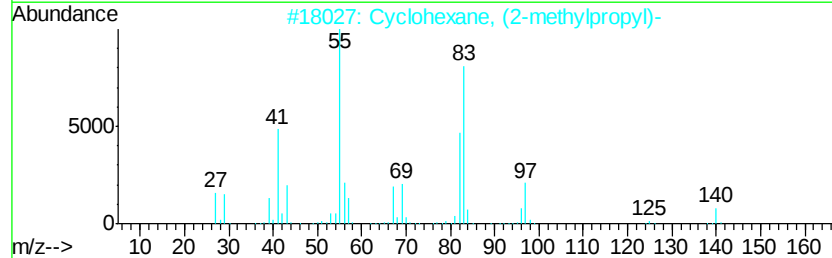
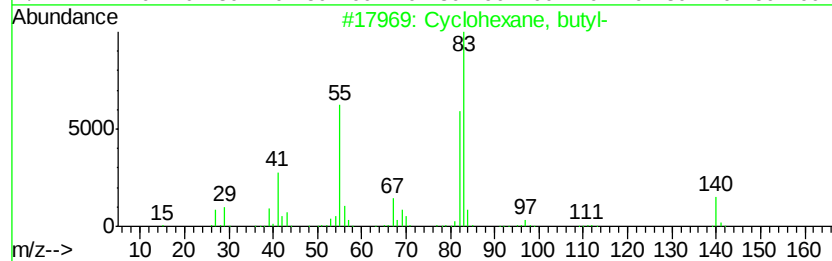
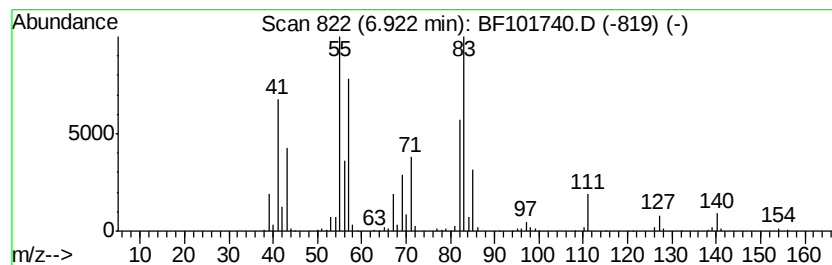
Instrument :
BNA_F
ClientSampled :
DB-SW1-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Cyclohexane, butyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.92	11.20 ng	867749	1,4-Dichlorobenzene-d4	6.79	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	70
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	58
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	52
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	50
5	Cyclopentane, 1-methyl-3-(1-meth...	126	C9H18	053771-88-3	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

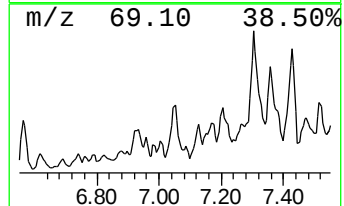
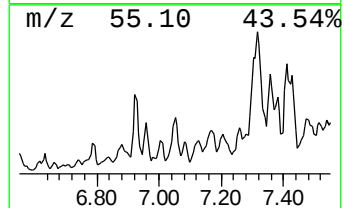
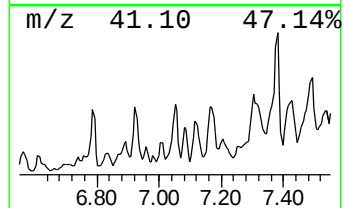
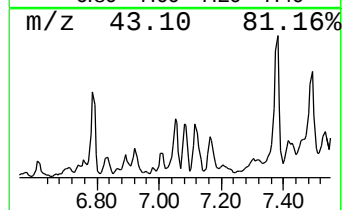
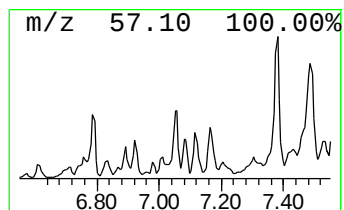
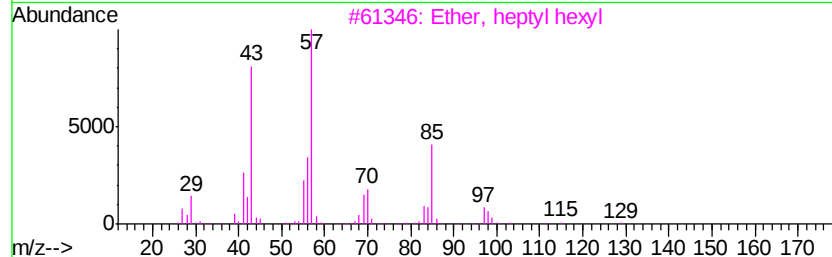
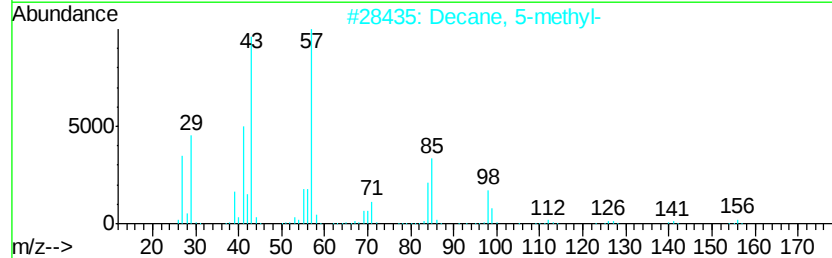
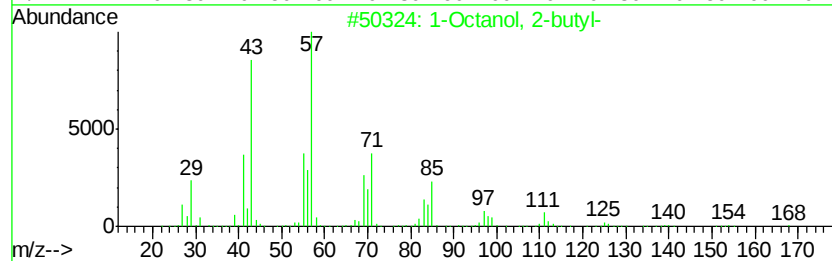
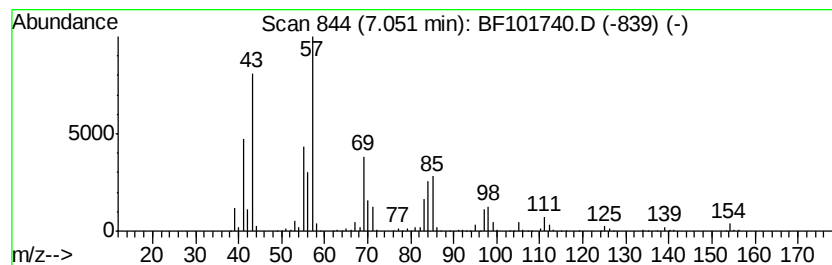
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 1-Octanol, 2-butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	19.66 ng	1523970	1,4-Dichlorobenzene-d4	6.79

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 2-butyl-		186	C12H26O	003913-02-8	64
2	Decane, 5-methyl-		156	C11H24	013151-35-4	53
3	Ether, heptyl hexyl		200	C13H28O	007289-40-9	50
4	Hexane, 1-(hexyloxy)-5-methyl-		200	C13H28O	074421-19-5	50
5	Dodecyl isobutyl carbonate		286	C17H34O3	959067-22-2	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

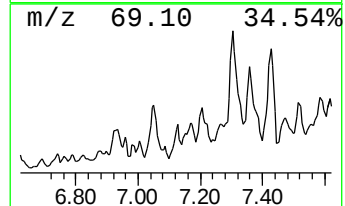
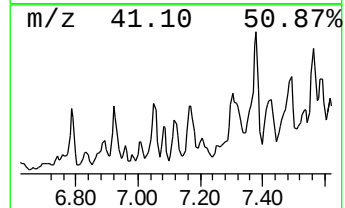
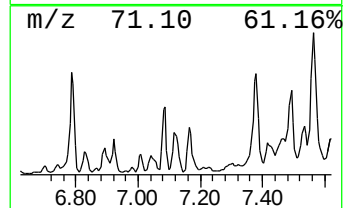
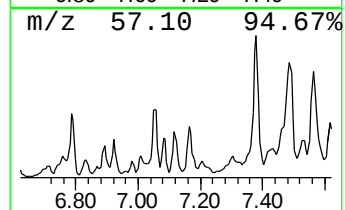
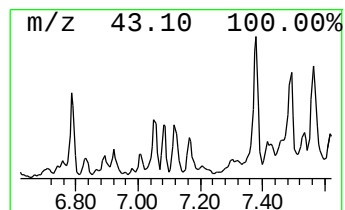
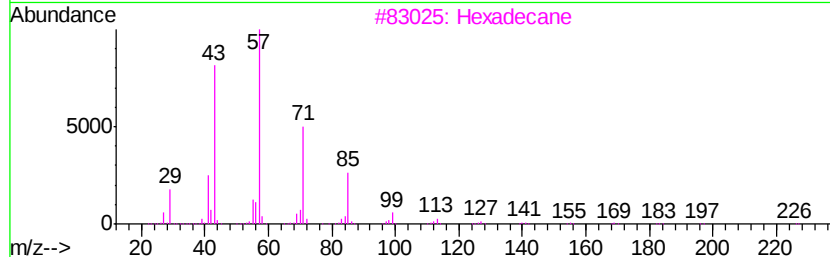
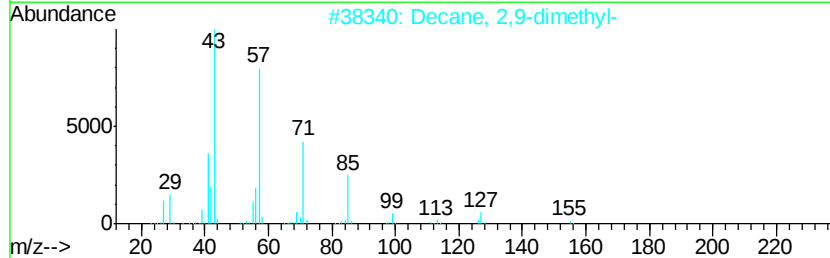
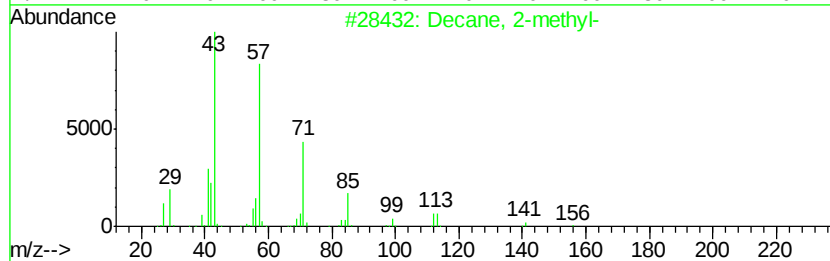
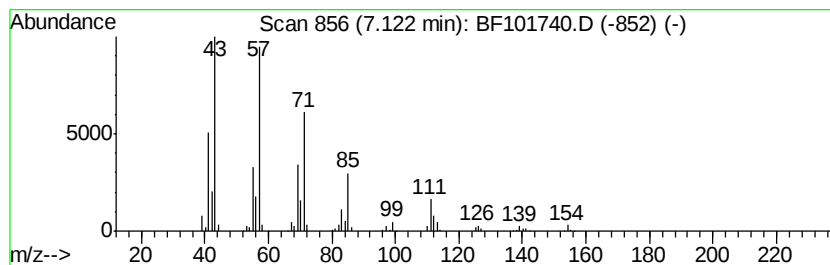
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Decane, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	12.94 ng	1003200	1,4-Dichlorobenzene-d4	6.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2-methyl-	156	C11H24	006975-98-0	74
2			Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72
3			Hexadecane	226	C16H34	000544-76-3	64
4			Tridecane	184	C13H28	000629-50-5	59
5			Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

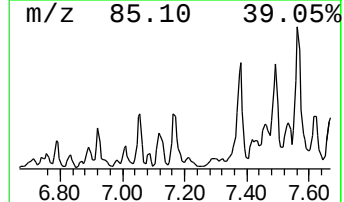
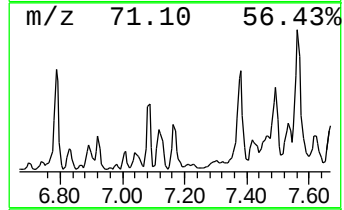
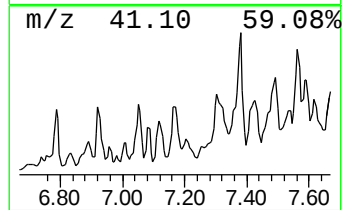
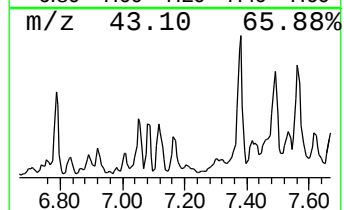
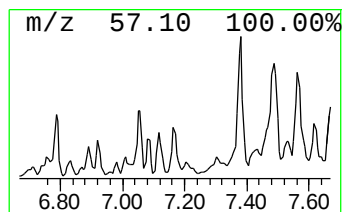
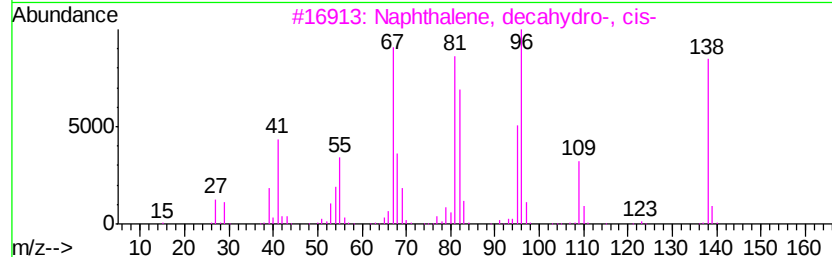
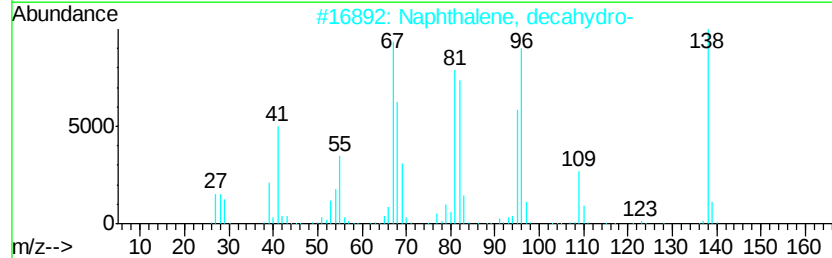
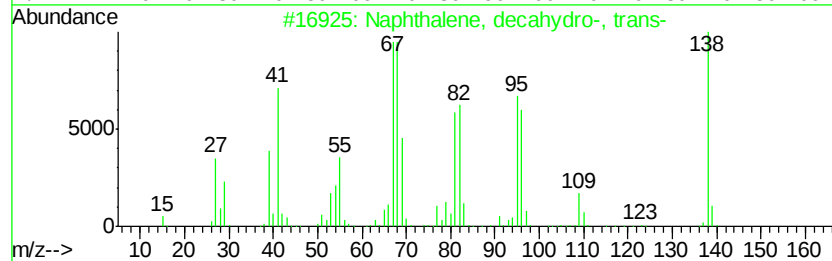
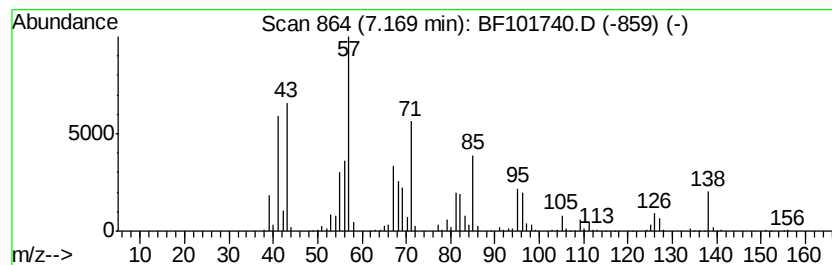
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, decahydro-, tr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	22.27 ng	1726230	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	98
2		Naphthalene, decahydro-	138	C10H18	000091-17-8	89
3		Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	78
4		1,1'-Bicyclopentyl	138	C10H18	001636-39-1	64
5		Spiro[4.5]decane	138	C10H18	000176-63-6	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleID :
DB-SW1-15

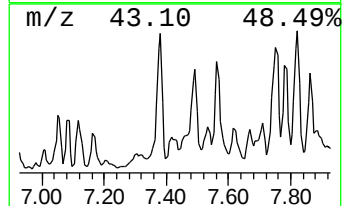
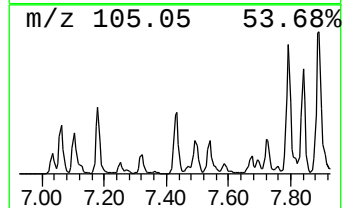
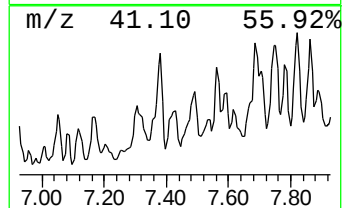
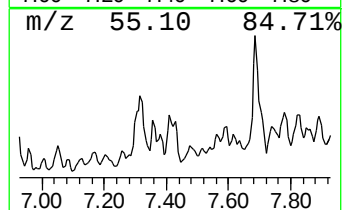
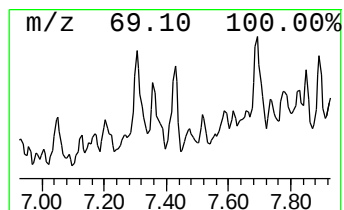
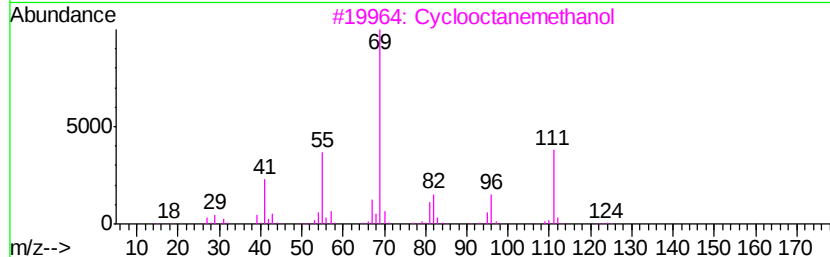
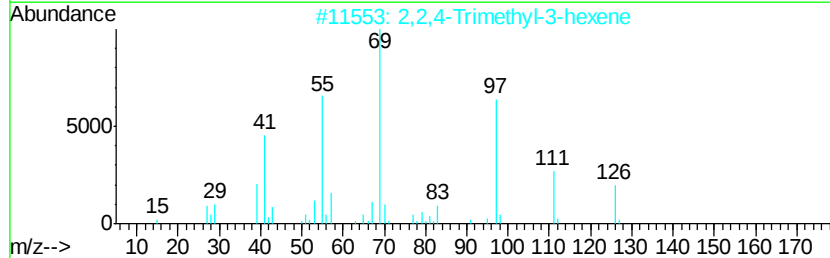
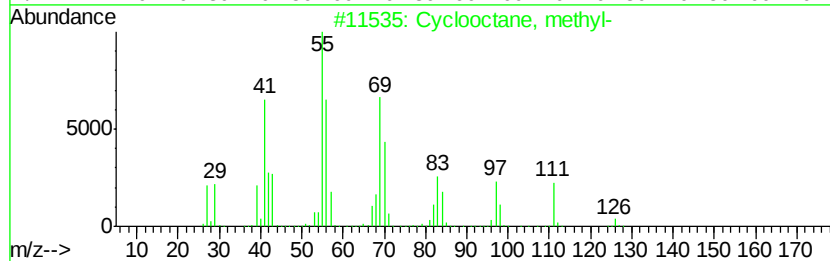
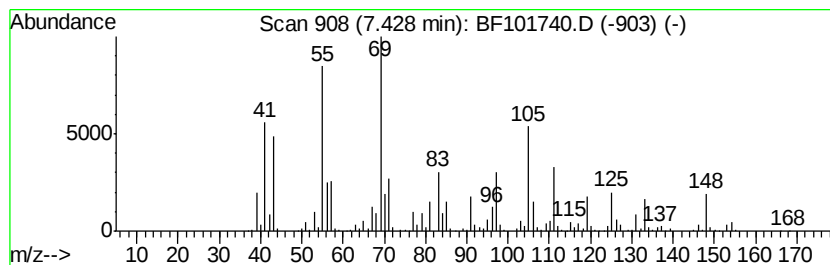
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown7.43 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	27.14 ng	2103760	1,4-Dichlorobenzene-d4	6.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclooctane, methyl-	126	C9H18	001502-38-1	43
2		2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	38
3		Cyclooctanemethanol	142	C9H18O	003637-63-6	38
4		Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	38
5		Cyclooctane, 1-methyl-3-propyl-	168	C12H24	255885-37-1	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

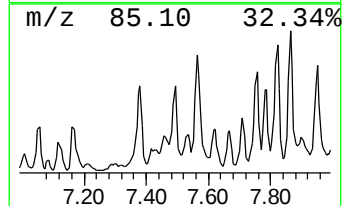
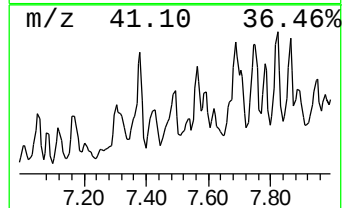
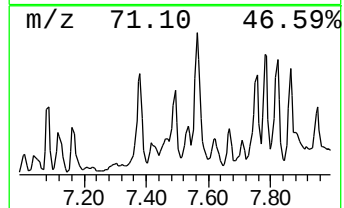
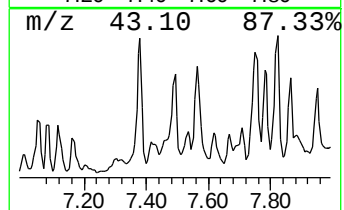
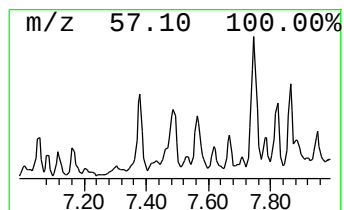
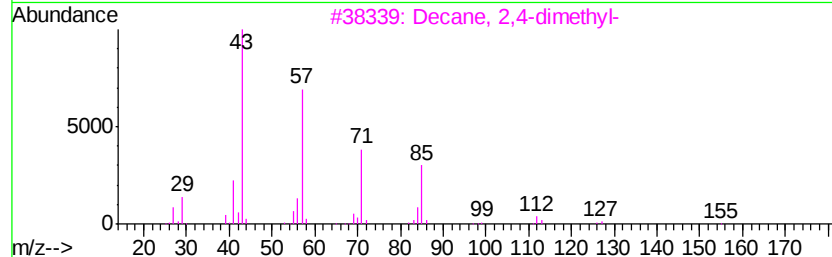
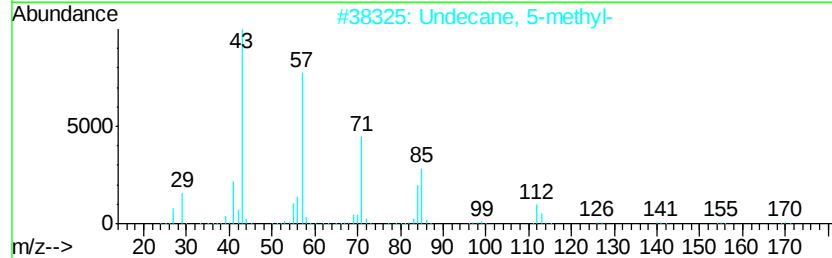
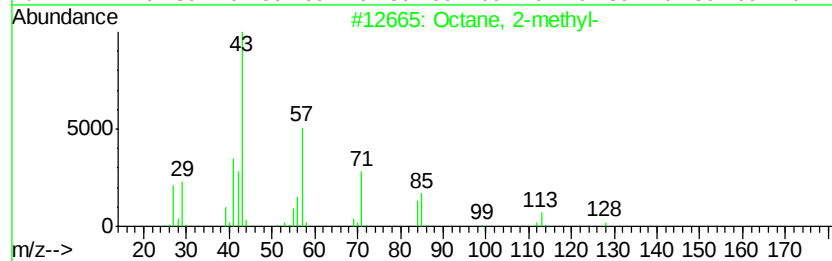
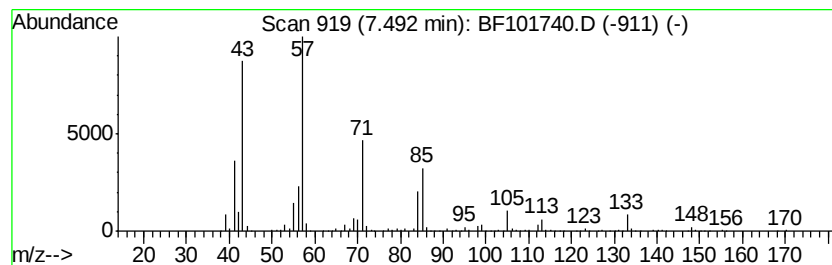
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Octane, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	16.74 ng	3018500	Napthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2-methyl-	128	C9H20	003221-61-2	80
2		Undecane, 5-methyl-	170	C12H26	001632-70-8	64
3		Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	53
4		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	53
5		2,6-Dimethyldecane	170	C12H26	013150-81-7	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

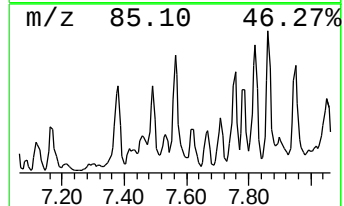
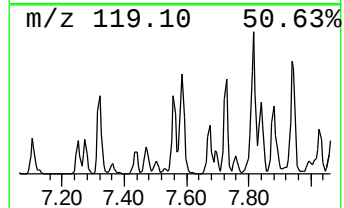
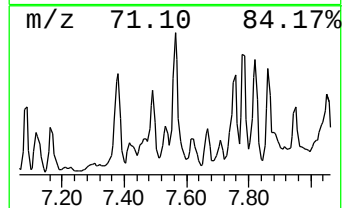
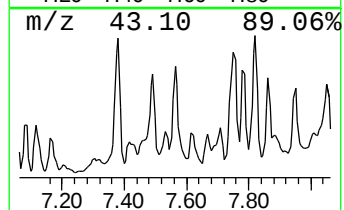
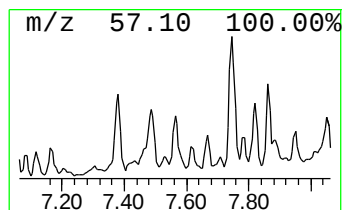
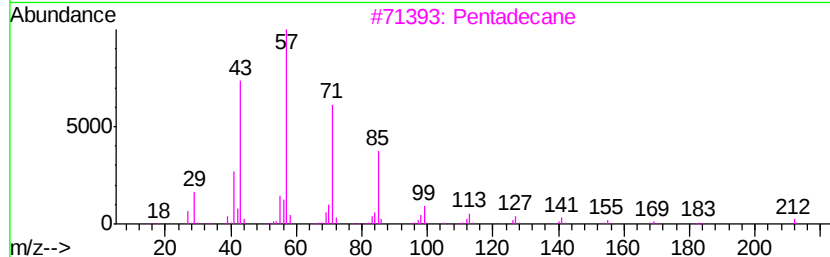
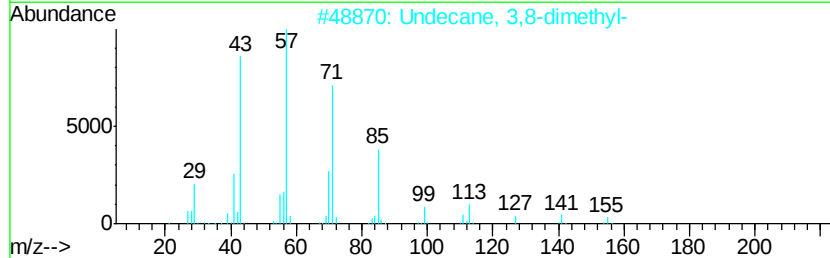
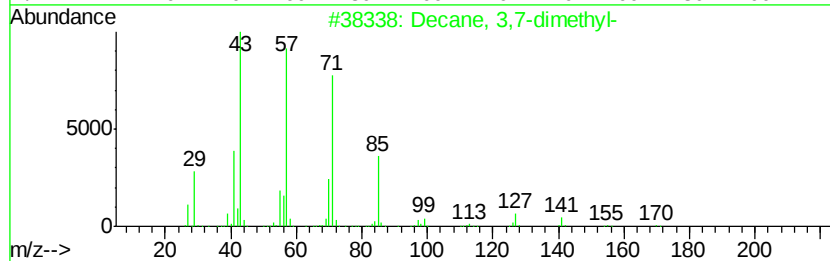
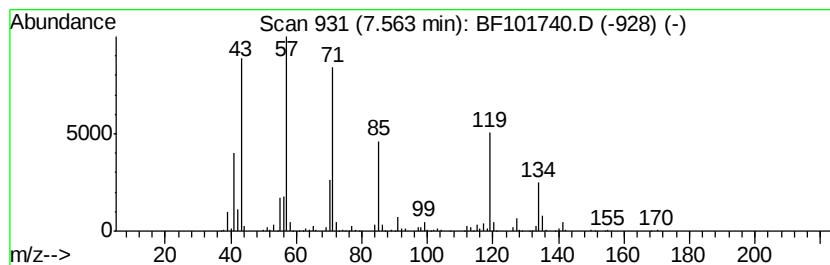
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Decane, 3,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	9.69 ng	1748080	Napthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	95
2		Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	53
3		Pentadecane	212	C15H32	000629-62-9	50
4		Octane, 3-ethyl-	142	C10H22	005881-17-4	43
5		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

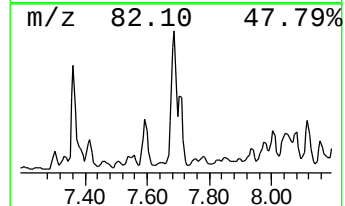
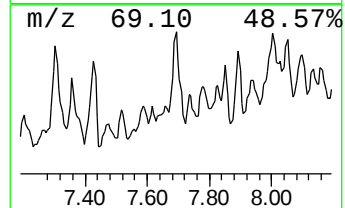
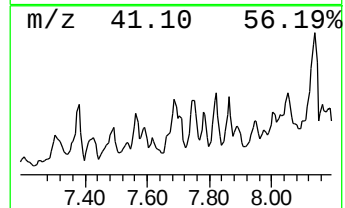
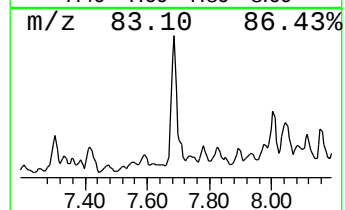
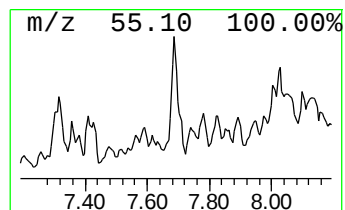
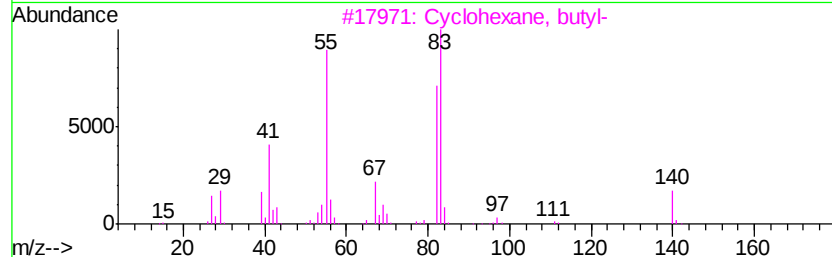
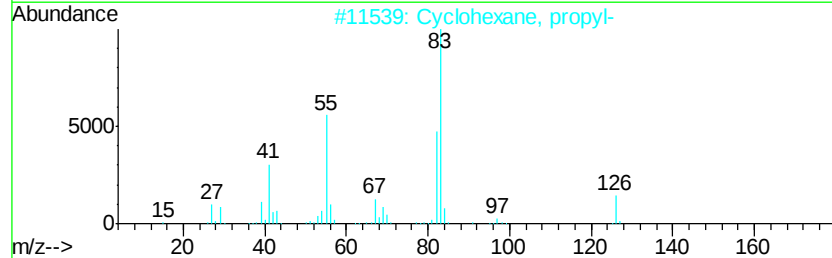
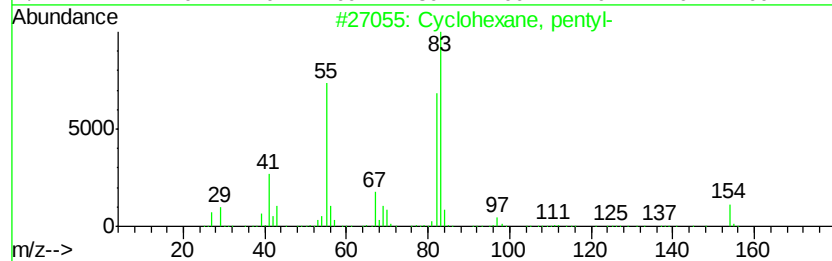
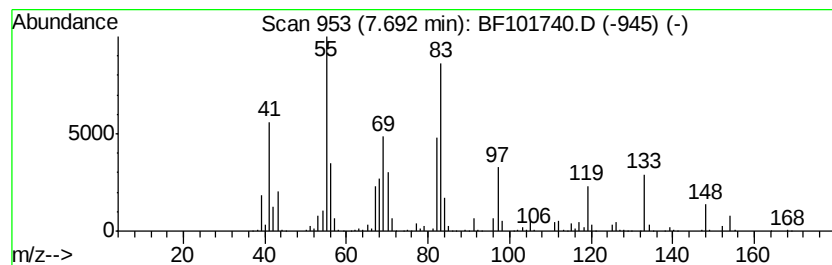
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclohexane, pentyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	21.61 ng	3896820	Naphthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
2		Cyclohexane, propyl-	126	C9H18	001678-92-8	72
3		Cyclohexane, butyl-	140	C10H20	001678-93-9	72
4		Cyclohexane, (3-methylpentyl)-	168	C12H24	061142-38-9	64
5		Cyclohexane, octyl-	196	C14H28	001795-15-9	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

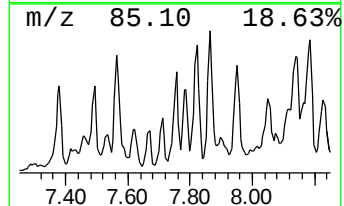
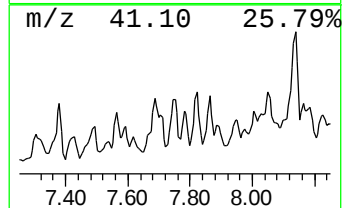
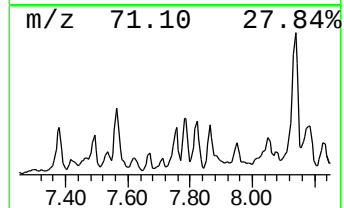
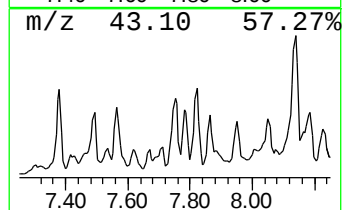
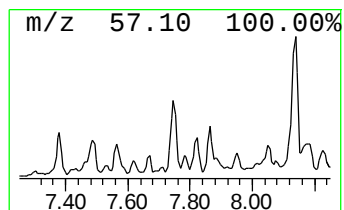
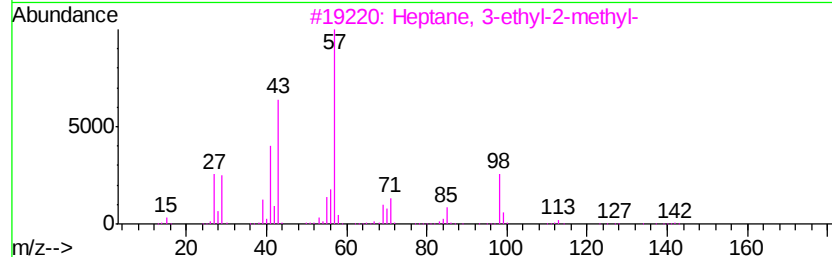
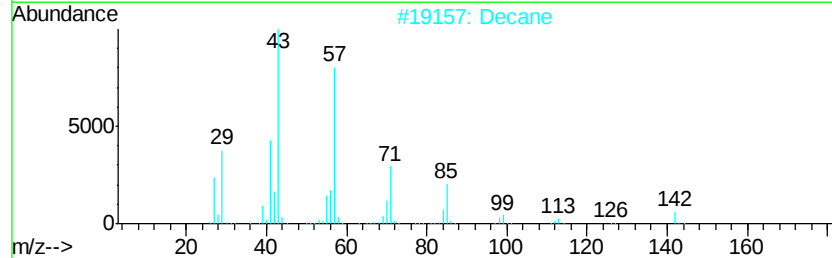
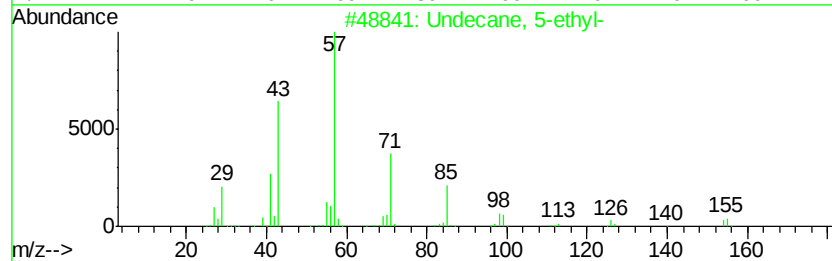
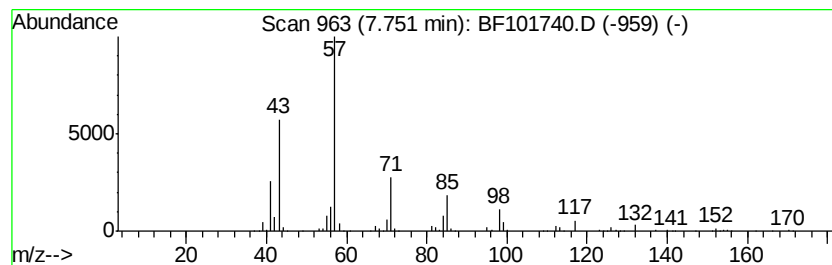
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Undecane, 5-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.75	12.74 ng	2297220	Naphthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5-ethyl-	184	C13H28	017453-94-0	64
2		Decane	142	C10H22	000124-18-5	58
3		Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
4		Propanoic acid, 2,2-dimethyl-, 2...	214	C13H26O2	016387-18-1	53
5		Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

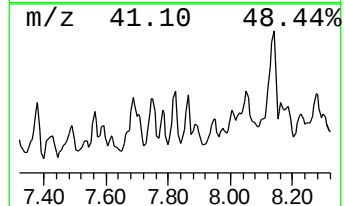
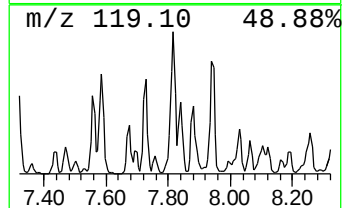
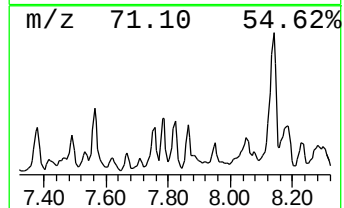
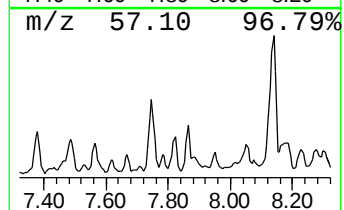
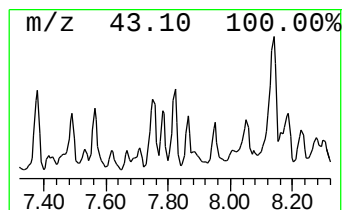
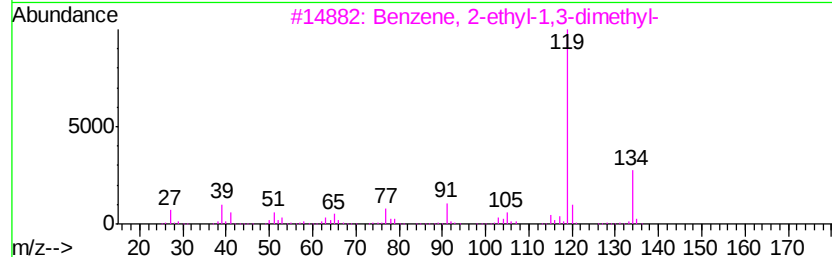
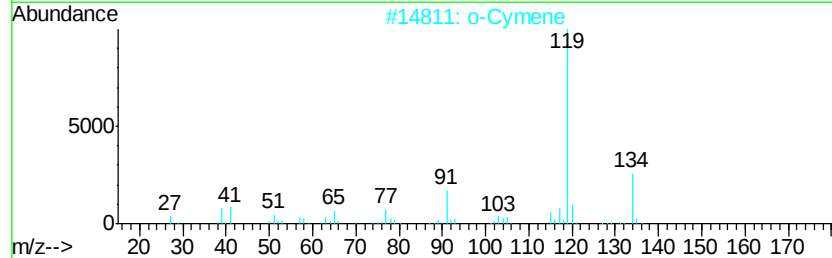
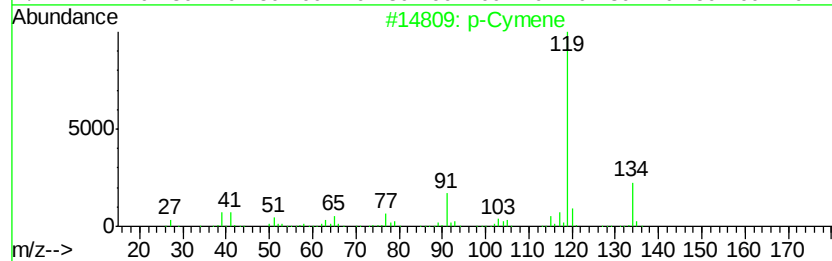
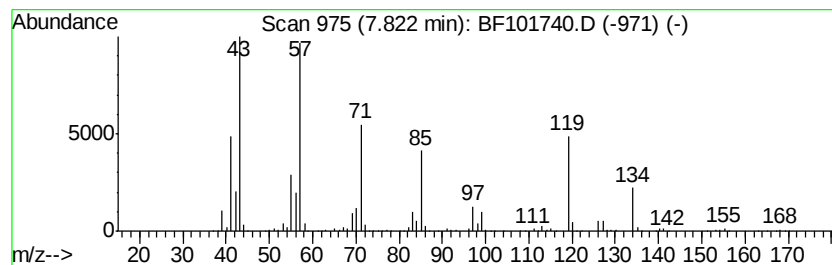
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 p-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	17.21 ng	3104380	Napthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Cymene	134	C10H14	000099-87-6	55
2		o-Cymene	134	C10H14	000527-84-4	55
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	46
4		Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	46
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

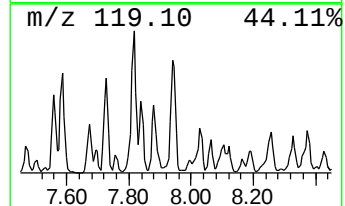
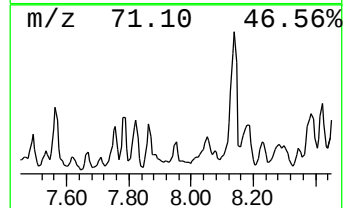
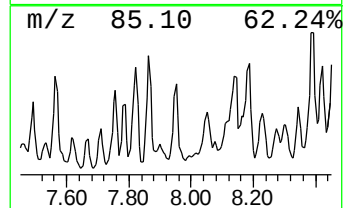
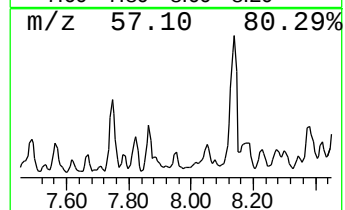
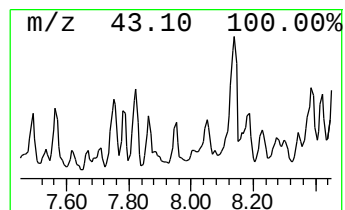
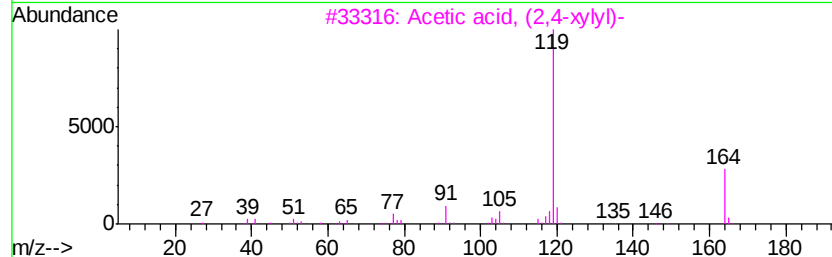
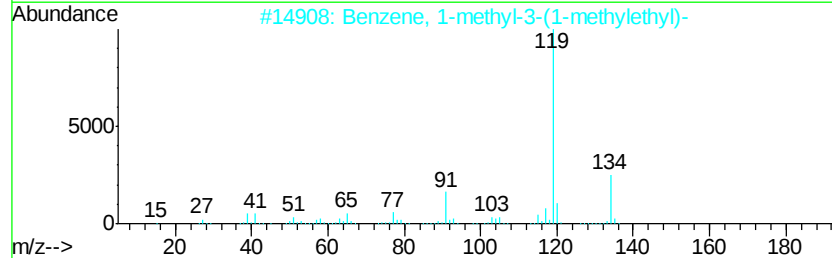
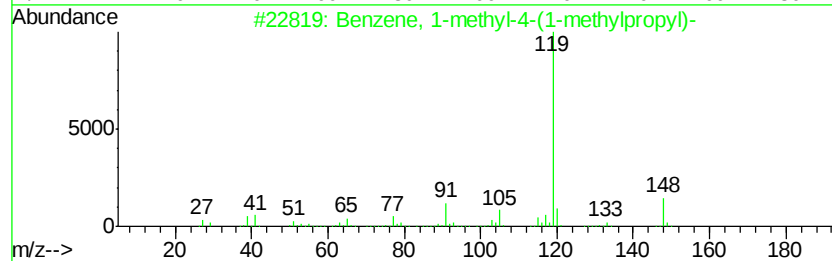
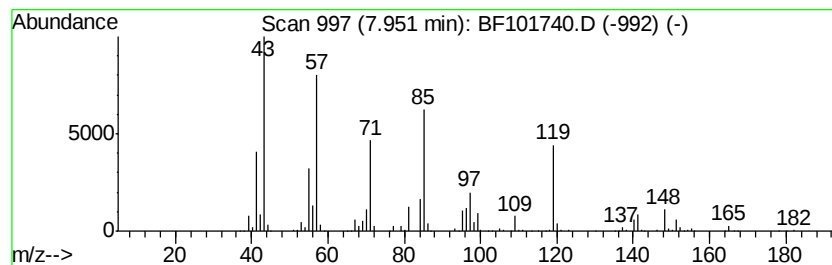
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzene, 1-methyl-4-(1-meth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	11.43 ng	2061870	Napthalene-d8	8.08

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	55
2			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	35
3			Acetic acid, (2,4-xylyl)-	164	C10H12O2	006331-04-0	35
4			Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	22
5			Undecane, 4-ethyl-	184	C13H28	017312-59-3	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

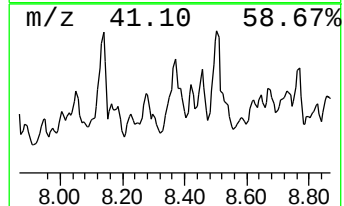
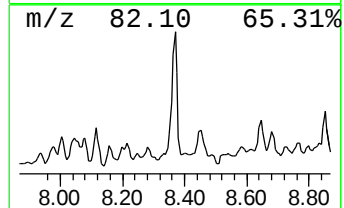
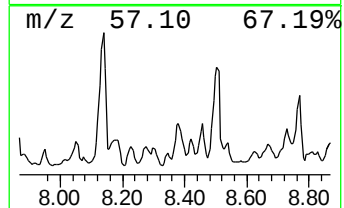
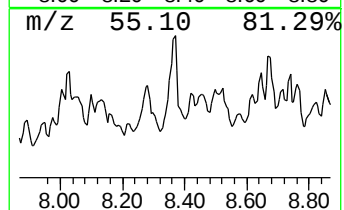
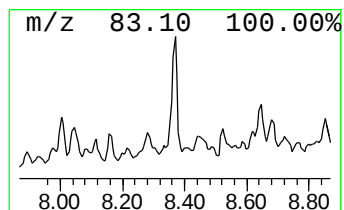
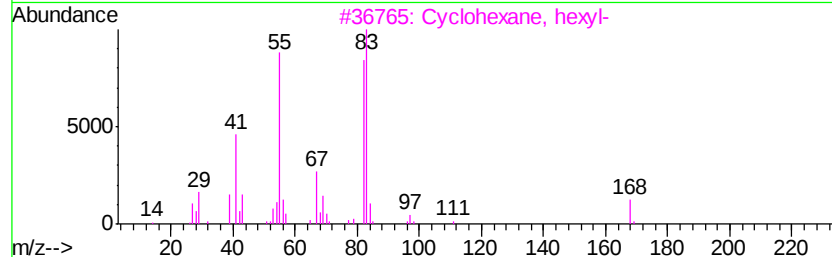
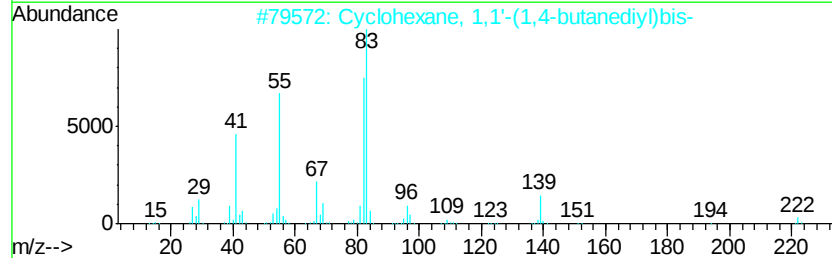
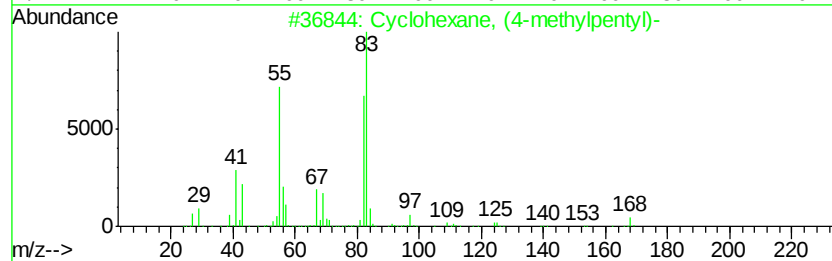
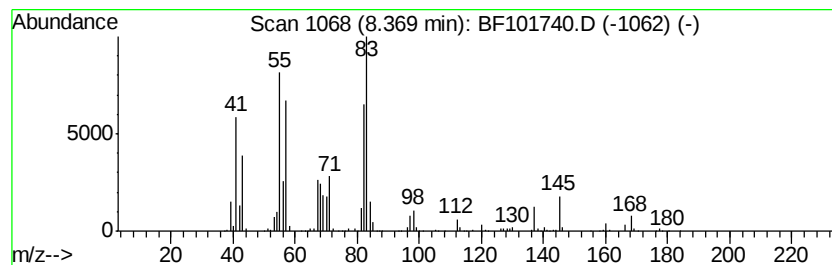
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclohexane, (4-methylpentyl)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	31.26 ng	5637750	Napthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	70
2		Cyclohexane, 1,1'-(1,4-butanediyl)-	222	C16H30	006165-44-2	50
3		Cyclohexane, hexyl-	168	C12H24	004292-75-5	50
4		Cyclohexane, butyl-	140	C10H20	001678-93-9	50
5		Cyclohexane, ethyl-	112	C8H16	001678-91-7	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

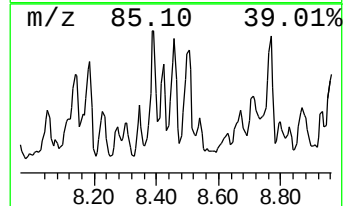
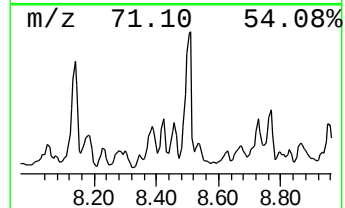
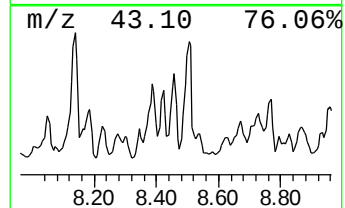
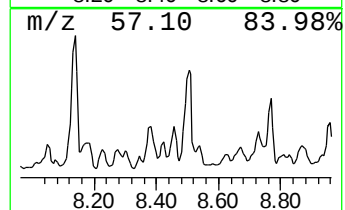
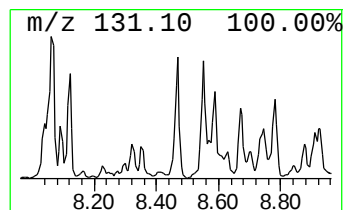
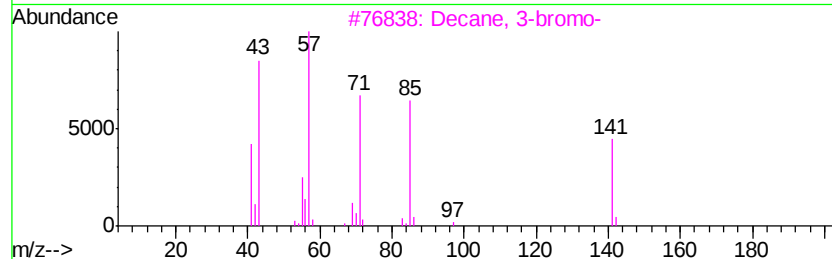
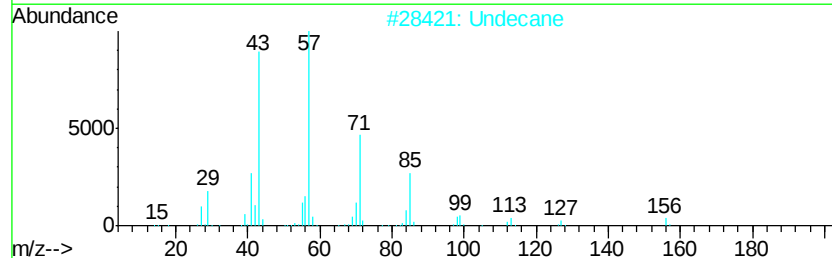
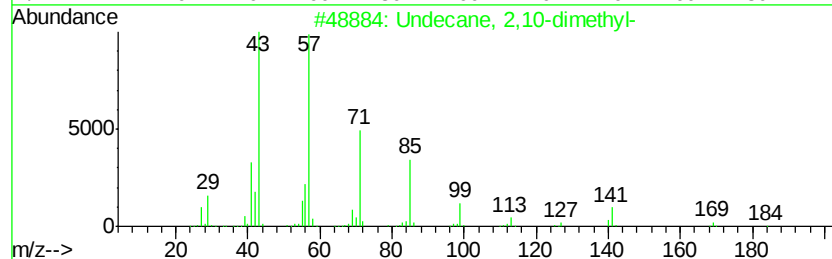
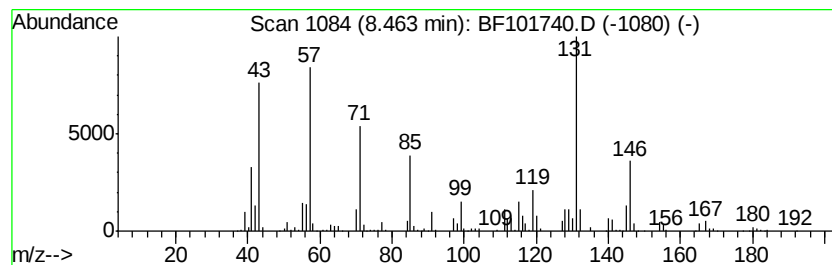
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Undecane, 2,10-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	11.95 ng	2155460	Napthalene-d8	8.08

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,10-dimethyl-			184	C13H28	017301-27-8	68
2	Undecane			156	C11H24	001120-21-4	50
3	Decane, 3-bromo-			220	C10H21Br	030571-71-2	50
4	Dodecane, 2-methyl-			184	C13H28	001560-97-0	47
5	Dodecane, 4-methyl-			184	C13H28	006117-97-1	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

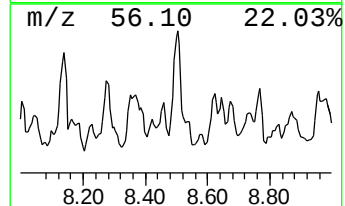
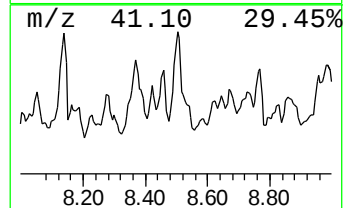
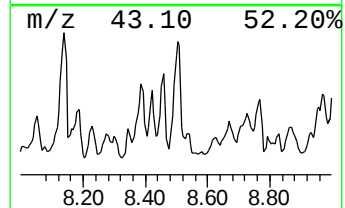
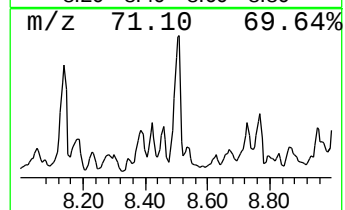
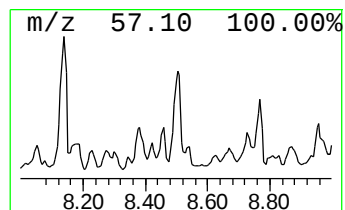
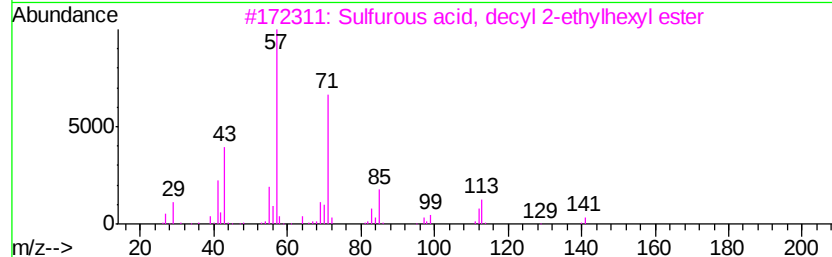
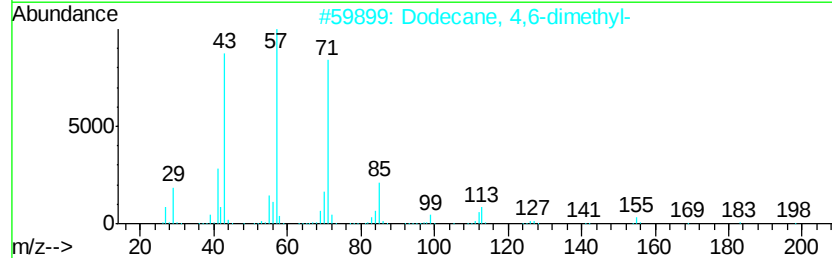
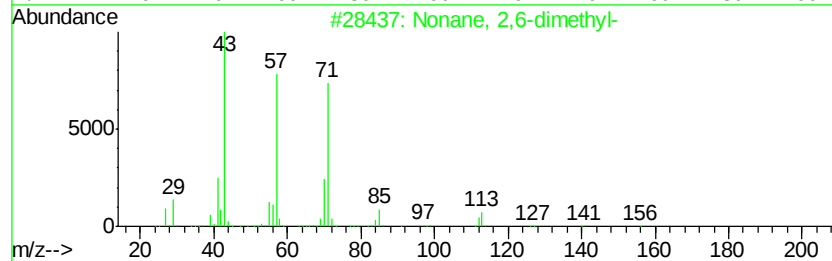
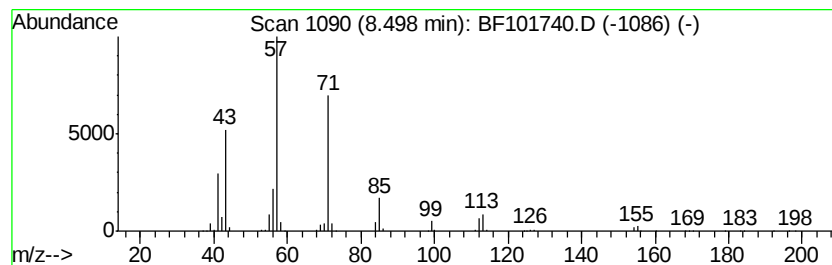
Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Nonane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	38.79 ng	6995810	Napthalene-d8	8.08
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonane, 2,6-dimethyl-	156 C11H24	017302-28-2	86
2	Dodecane, 4,6-dimethyl-	198 C14H30	061141-72-8	86
3	Sulfurous acid, decyl 2-ethylhex...	334 C18H38O3S	1000309-19-3	78
4	Heptane, 5-ethyl-2-methyl-	142 C10H22	013475-78-0	72
5	Dodecane, 2,6,11-trimethyl-	212 C15H32	031295-56-4	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleID :
DB-SW1-15

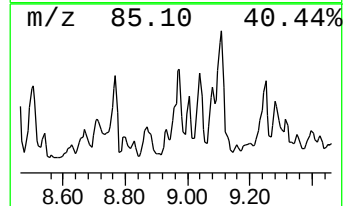
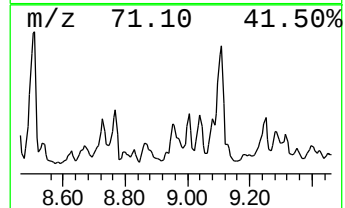
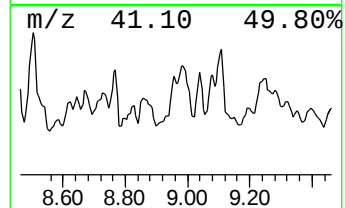
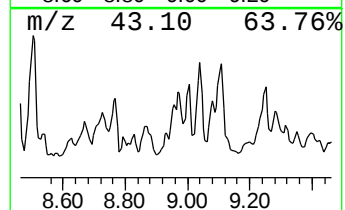
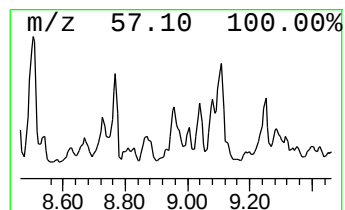
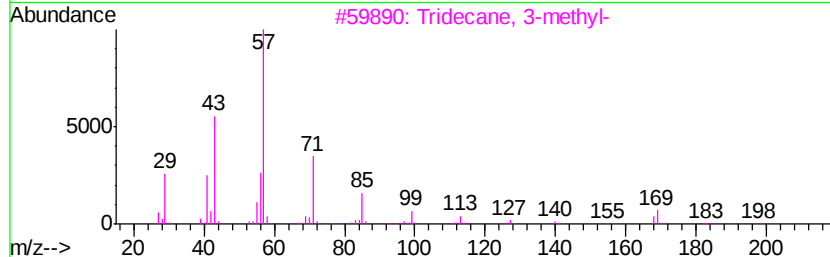
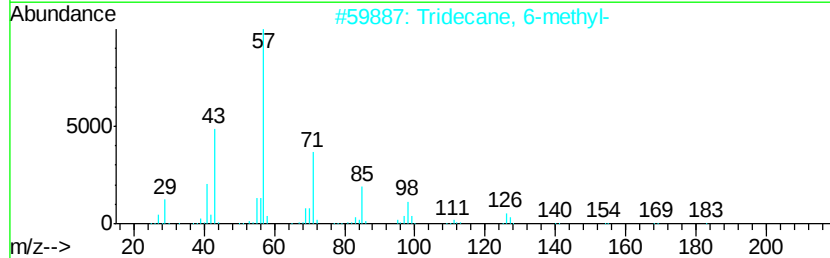
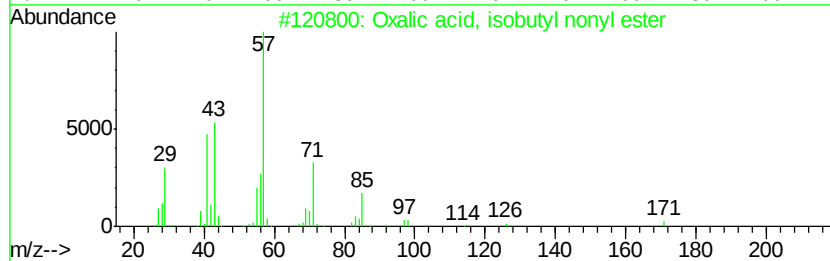
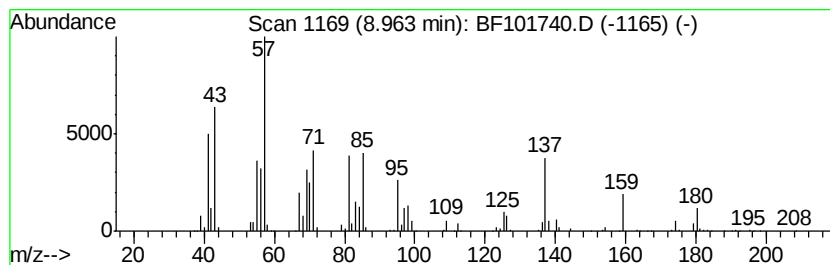
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Oxalic acid, isobutyl nonyl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.96	10.62 ng	1915990	Napthalene-d8	8.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	53
2		Tridecane, 6-methyl-	198	C14H30	013287-21-3	53
3		Tridecane, 3-methyl-	198	C14H30	006418-41-3	52
4		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	52
5		Hexadecane	226	C16H34	000544-76-3	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

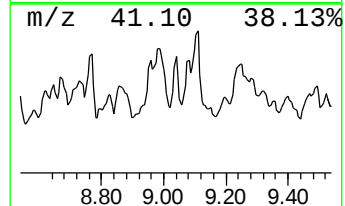
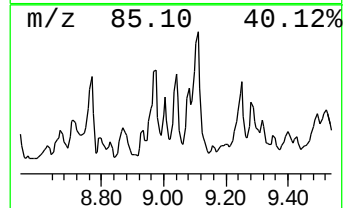
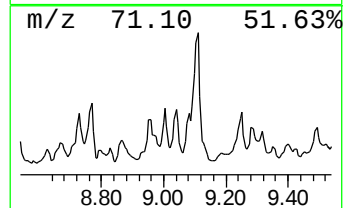
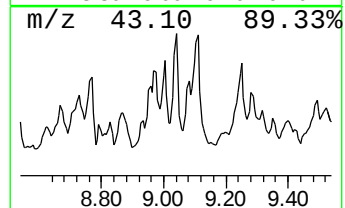
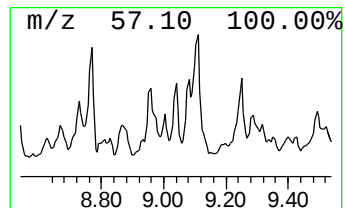
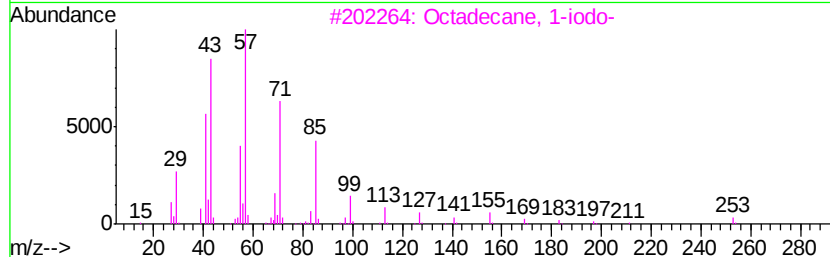
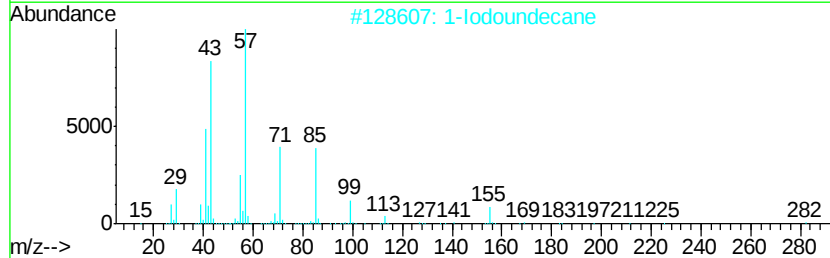
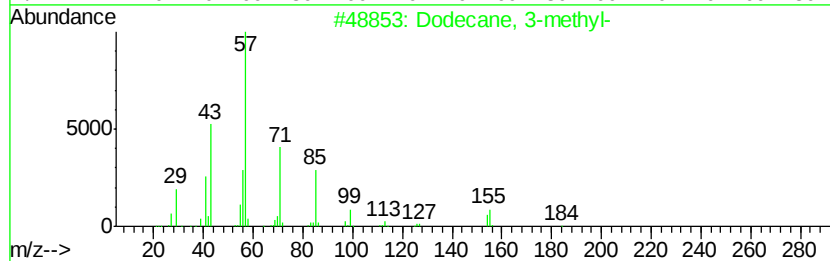
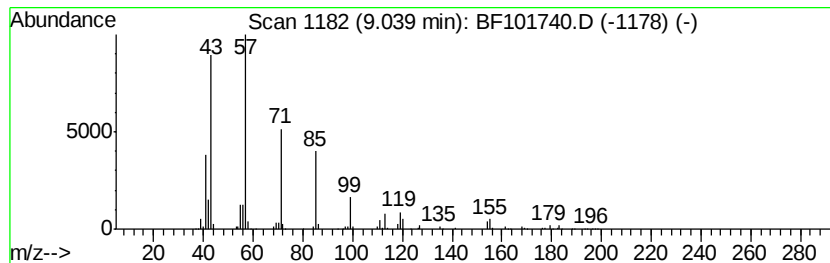
Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dodecane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	20.86 ng	2009010	Acenaphthene-d10	9.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane, 3-methyl-	184 C13H28	017312-57-1	78
2	1-Iodoundecane	282 C11H23I	004282-44-4	72
3	Octadecane, 1-iodo-	380 C18H37I	000629-93-6	72
4	10-Methylnonadecane	282 C20H42	056862-62-5	64
5	4-Methyl-5-nonanone	156 C10H20O	035900-26-6	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

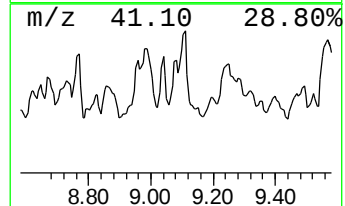
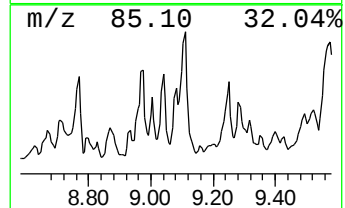
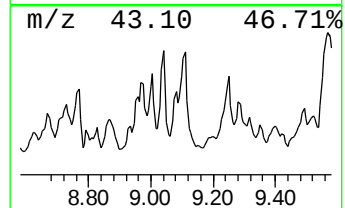
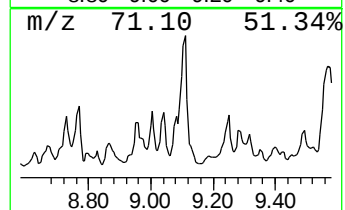
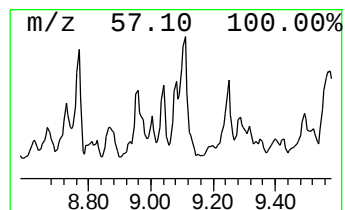
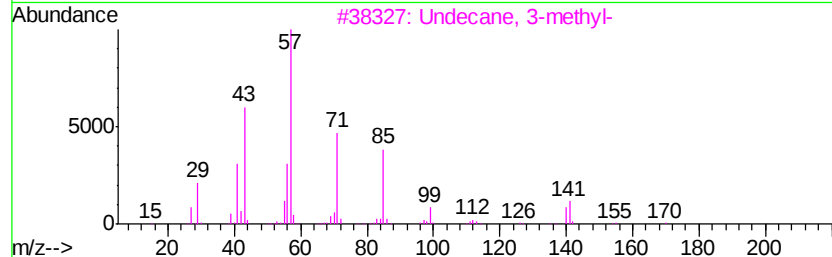
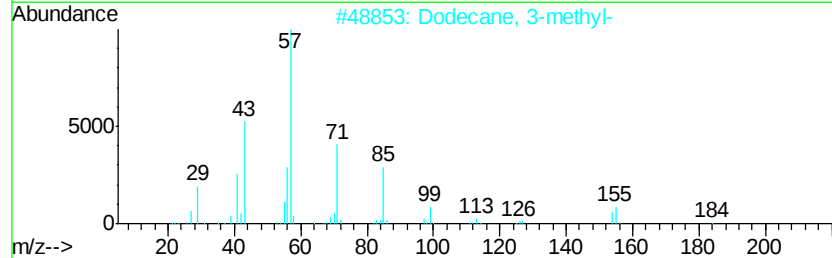
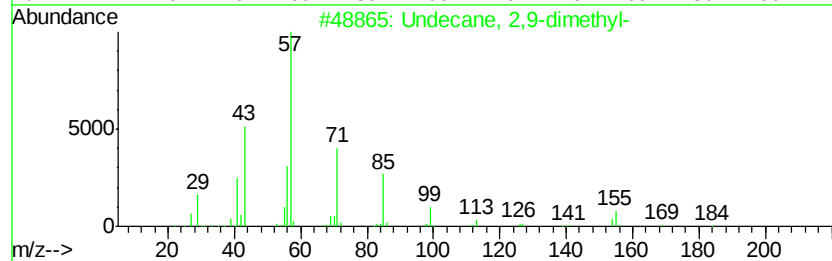
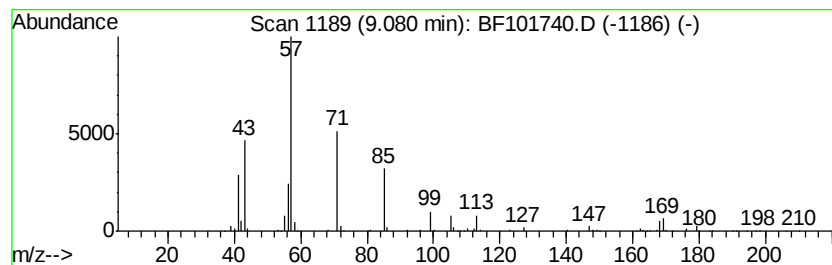
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Undecane, 2,9-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	14.50 ng	1396780	Acenaphthene-d10	9.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	72
2		Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
3		Undecane, 3-methyl-	170	C12H26	001002-43-3	72
4		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	72
5		Hexadecane	226	C16H34	000544-76-3	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101740.D
Acq On : 27 Dec 2017 3:20
Operator : SJ/JU
Sample : I7021-02 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DB-SW1-15

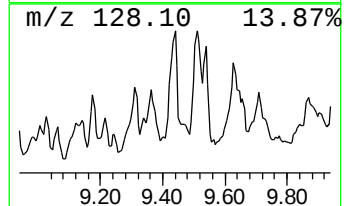
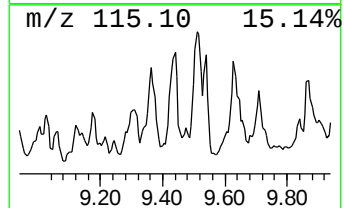
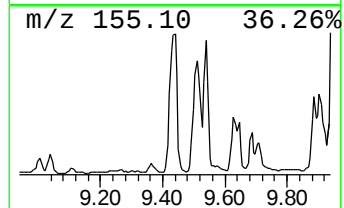
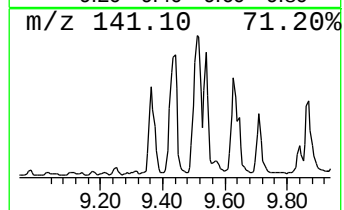
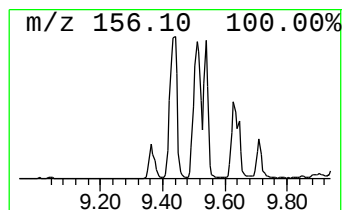
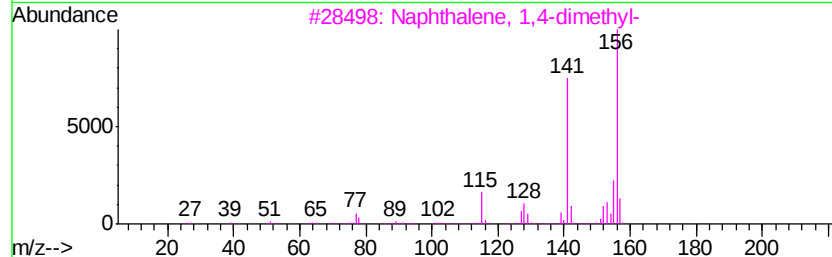
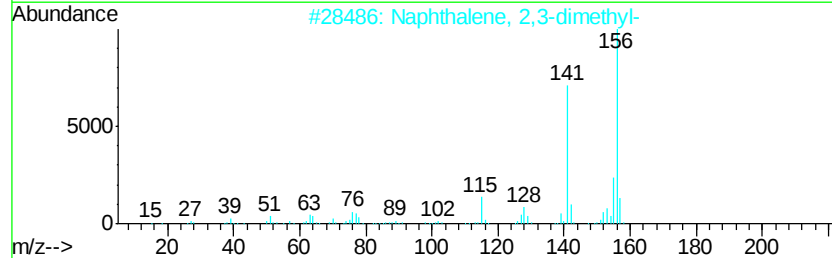
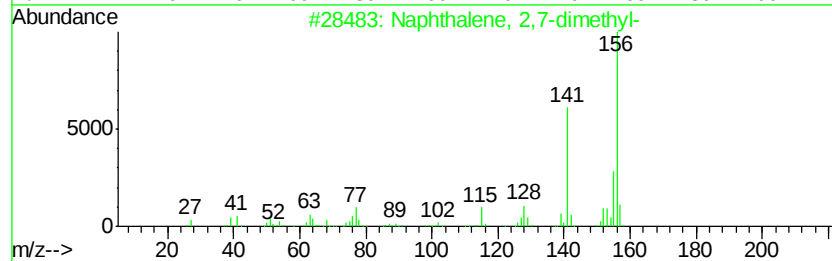
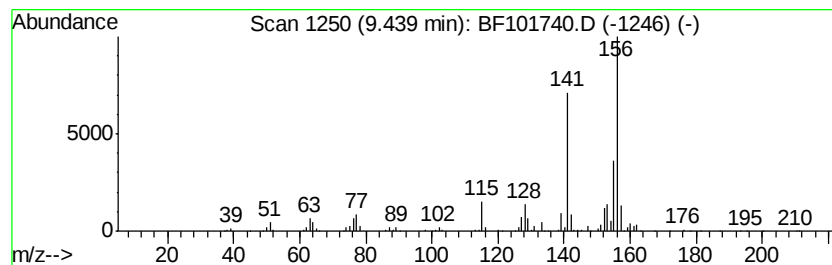
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Naphthalene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	20.00 ng	1926210	Acenaphthene-d10	9.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
 Data File : BF101740.D
 Acq On : 27 Dec 2017 3:20
 Operator : SJ/JU
 Sample : I7021-02 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-SW1-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.56	6.56	20.4	ng	1578540	1	6.79	1550210	20.0
Cyclohexane, butyl-	6.92	11.2	ng	867749	1	6.79	1550210	20.0
1-Octanol, 2-butyl-	7.05	19.7	ng	1523970	1	6.79	1550210	20.0
Decane, 2-methyl-	7.12	12.9	ng	1003200	1	6.79	1550210	20.0
Naphthalene, deca...	7.17	22.3	ng	1726230	1	6.79	1550210	20.0
unknown7.43	7.43	27.1	ng	2103760	1	6.79	1550210	20.0
Octane, 2-methyl-	7.49	16.7	ng	3018500	2	8.08	3606710	20.0
Decane, 3,7-dimet...	7.56	9.7	ng	1748080	2	8.08	3606710	20.0
Cyclohexane, pentyl-	7.69	21.6	ng	3896820	2	8.08	3606710	20.0
Undecane, 5-ethyl-	7.75	12.7	ng	2297220	2	8.08	3606710	20.0
p-Cymene	7.82	17.2	ng	3104380	2	8.08	3606710	20.0
Benzene, 1-methyl...	7.95	11.4	ng	2061870	2	8.08	3606710	20.0
Cyclohexane, (4-m...	8.37	31.3	ng	5637750	2	8.08	3606710	20.0
Undecane, 2,10-di...	8.46	11.9	ng	2155460	2	8.08	3606710	20.0
Nonane, 2,6-dimet...	8.50	38.8	ng	6995810	2	8.08	3606710	20.0
Oxalic acid, isob...	8.96	10.6	ng	1915990	2	8.08	3606710	20.0
Dodecane, 3-methyl-	9.04	20.9	ng	2009010	3	9.85	1926210	20.0
Undecane, 2,9-dim...	9.08	14.5	ng	1396780	3	9.85	1926210	20.0
Naphthalene, 2,7-...	9.44	20.0	ng	1926210	3	9.85	1926210	20.0