

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF053119\
 Data File : BF114729.D
 Acq On : 1 Jun 2019 1:27
 Operator : HP/JU
 Sample : K3051-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-B

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.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	5.163	520	523	528	rVB	150910	145208	1.63%	0.144%
2	5.275	538	542	543	rBV	700327	619510	6.94%	0.615%
3	5.310	543	548	551	rVB	7725775	8509369	95.26%	8.447%
4	6.333	714	722	725	rBV	6857254	8899436	99.63%	8.834%
5	6.469	739	745	748	rBV	8262201	8932710	100.00%	8.867%
6	6.692	780	783	787	rBV	2941614	2625151	29.39%	2.606%
7	6.851	806	810	814	rBV	7234448	7160905	80.16%	7.108%
8	7.257	873	879	882	rBV	5582893	5742739	64.29%	5.700%
9	7.816	971	974	978	rBV2	104548	108458	1.21%	0.108%
10	7.875	978	984	986	rBV4	133090	212165	2.38%	0.211%
11	7.975	997	1001	1004	rBV	3915041	3337521	37.36%	3.313%
12	8.016	1007	1008	1013	rVB3	133303	168777	1.89%	0.168%
13	8.080	1016	1019	1026	rVB4	181868	244318	2.74%	0.243%
14	8.163	1026	1033	1036	rBV4	273755	523206	5.86%	0.519%
15	8.192	1036	1038	1042	rVB3	301340	267869	3.00%	0.266%
16	8.275	1049	1052	1055	rVB3	404463	460111	5.15%	0.457%
17	8.304	1055	1057	1060	rBV3	158769	200485	2.24%	0.199%
18	8.339	1060	1063	1065	rBV3	186104	251529	2.82%	0.250%
19	8.416	1073	1076	1081	rBV2	1081833	1403293	15.71%	1.393%
20	8.486	1085	1088	1091	rBV2	340430	332357	3.72%	0.330%
21	8.527	1091	1095	1099	rBV6	418949	672050	7.52%	0.667%
22	8.592	1103	1106	1110	rBV5	332516	407076	4.56%	0.404%
23	8.627	1110	1112	1114	rVB2	251471	201323	2.25%	0.200%
24	8.669	1114	1119	1124	rVB8	362339	764896	8.56%	0.759%
25	8.727	1126	1129	1131	rBV2	468967	516342	5.78%	0.513%
26	8.757	1131	1134	1136	rBV4	195276	255735	2.86%	0.254%
27	8.798	1139	1141	1143	rBV2	217533	180609	2.02%	0.179%
28	8.863	1150	1152	1155	rVB3	370530	391317	4.38%	0.388%
29	8.898	1155	1158	1161	rBV3	499817	618122	6.92%	0.614%
30	8.974	1167	1171	1173	rBV2	514620	605815	6.78%	0.601%
31	9.016	1175	1178	1180	rVV2	2004862	1713464	19.18%	1.701%
32	9.051	1180	1184	1187	rVB	8434300	8308041	93.01%	8.247%
33	9.145	1197	1200	1203	rVB4	803160	797668	8.93%	0.792%
34	9.174	1203	1205	1207	rBV2	284202	300942	3.37%	0.299%

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ClientSampleId :
SP-1-B

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.198	1207	1209	1211	rVB2	437516	344985	3.86%	0.342%
36	9.304	1224	1227	1228	rBV3	352098	371529	4.16%	0.369%
37	9.363	1235	1237	1242	rBV4	527974	575392	6.44%	0.571%
38	9.439	1248	1250	1252	rBV2	629708	532700	5.96%	0.529%
39	9.469	1252	1255	1261	rVB2	1312854	1139165	12.75%	1.131%
40	9.551	1267	1269	1271	rVB3	412231	320664	3.59%	0.318%
41	9.574	1271	1273	1275	rVV2	598347	411324	4.60%	0.408%
42	9.616	1275	1280	1283	rVV5	721416	1211049	13.56%	1.202%
43	9.645	1283	1285	1288	rVB3	700856	687987	7.70%	0.683%
44	9.721	1294	1298	1302	rBV3	4214263	4482853	50.18%	4.450%
45	9.998	1342	1345	1350	rBV6	1071789	1246582	13.96%	1.237%
46	10.292	1392	1395	1398	rBV4	666718	884849	9.91%	0.878%
47	10.333	1400	1402	1404	rVB2	976180	735217	8.23%	0.730%
48	10.398	1409	1413	1417	rVB3	1455812	1716645	19.22%	1.704%
49	10.510	1428	1432	1436	rVB	4067542	4112344	46.04%	4.082%
50	10.663	1455	1458	1461	rVB	1659342	1398796	15.66%	1.388%
51	11.121	1534	1536	1543	rVB2	1902030	2031615	22.74%	2.017%
52	11.198	1546	1549	1551	rVV	2725824	2052427	22.98%	2.037%
53	11.563	1609	1611	1617	rVB3	1455192	1639864	18.36%	1.628%
54	12.786	1815	1819	1823	rBV	4923092	5032986	56.34%	4.996%
55	13.827	1993	1996	1999	rVB	2566329	2313993	25.90%	2.297%
56	15.215	2230	2232	2236	rVB	1521218	1622036	18.16%	1.610%

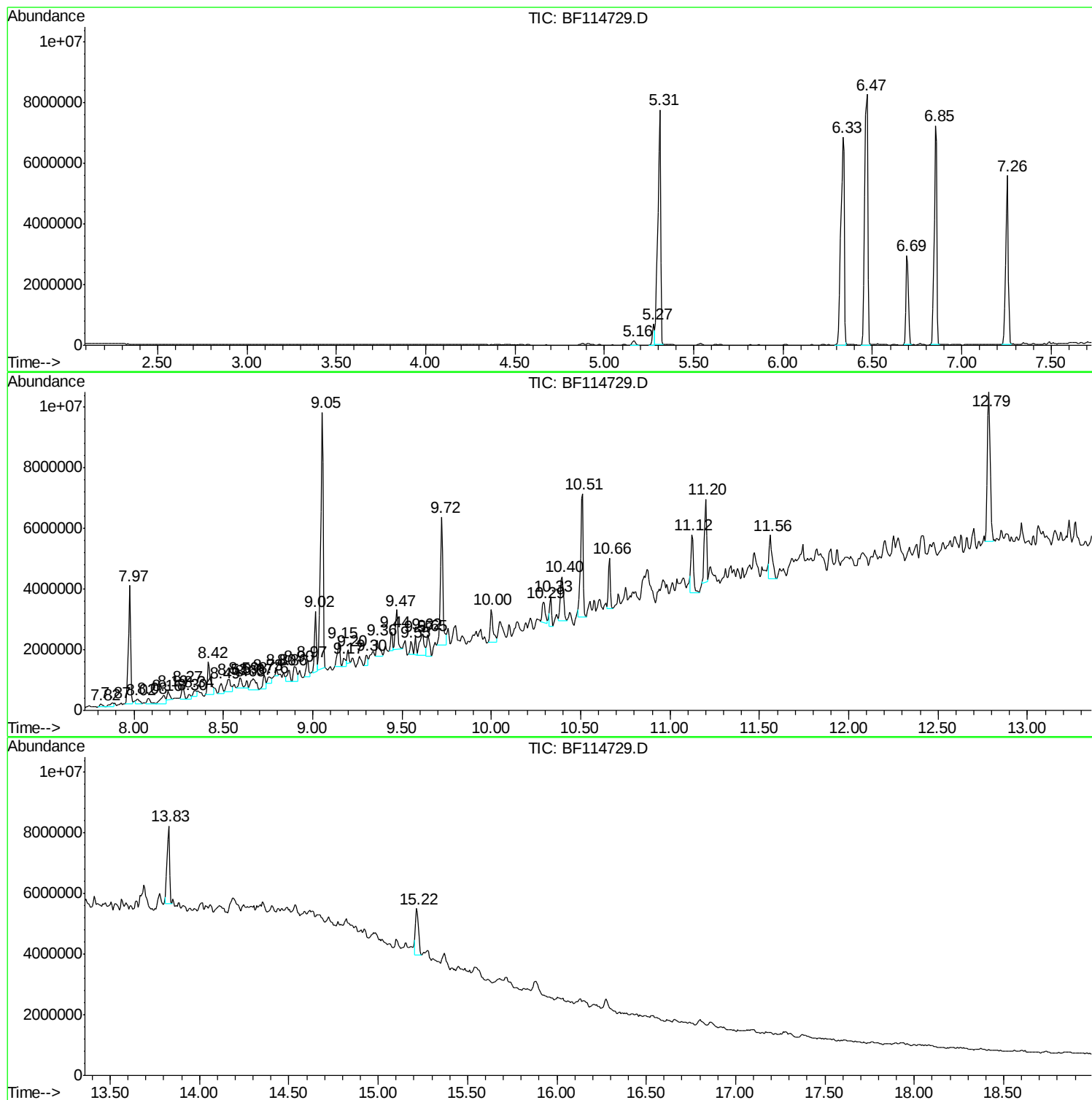
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1-B

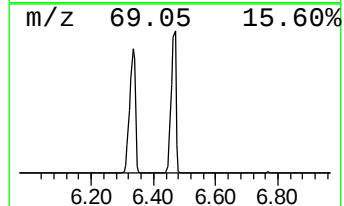
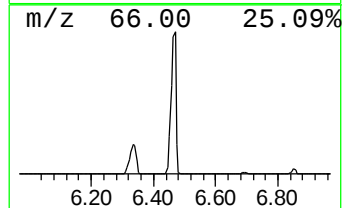
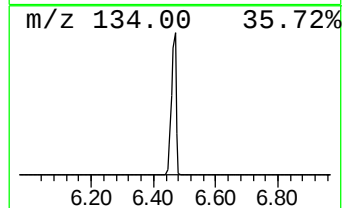
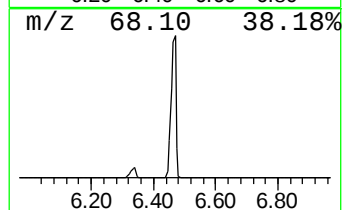
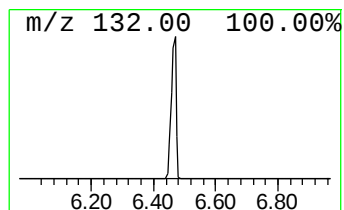
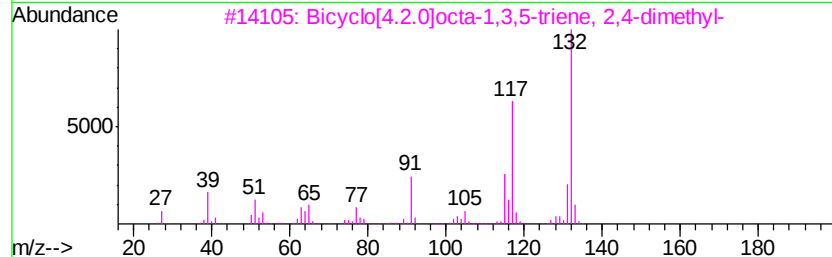
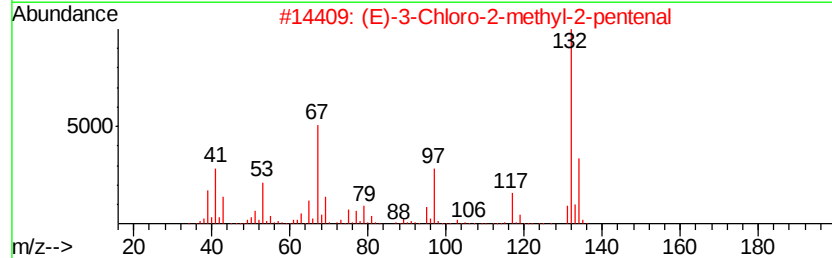
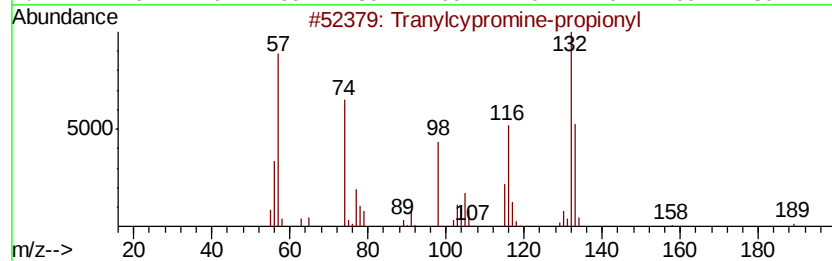
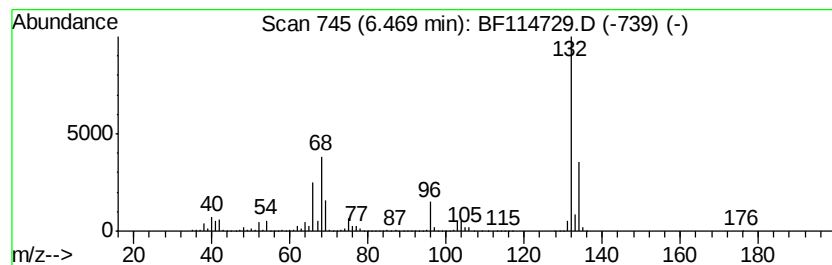
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	68.05 ng	8932710	1,4-Dichlorobenzene-d4	6.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tranlylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		Xenon	132	Xe	007440-63-3	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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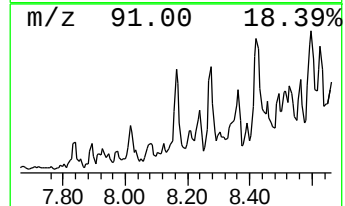
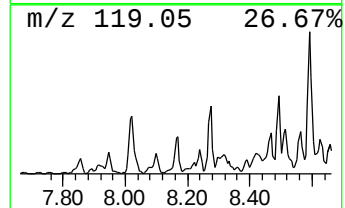
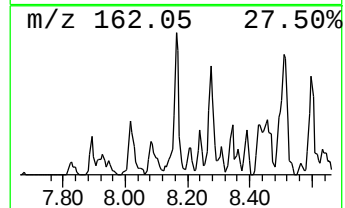
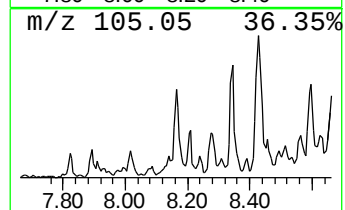
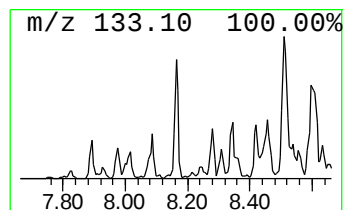
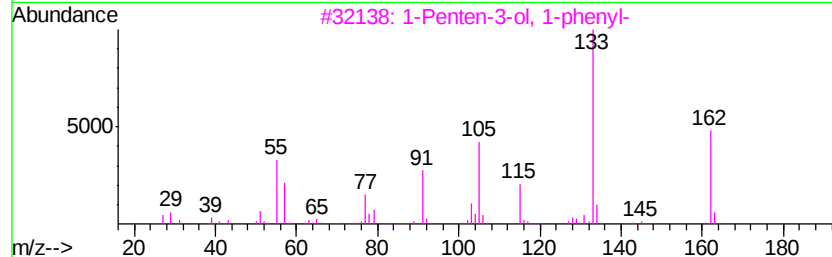
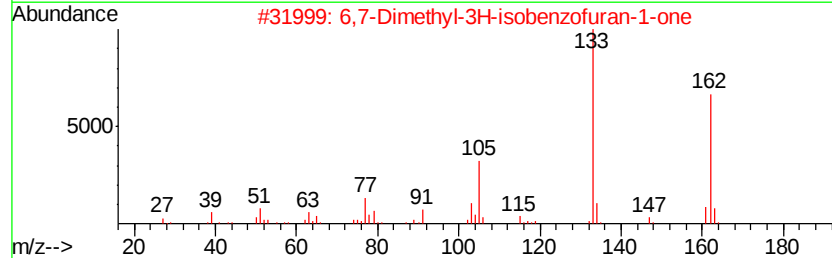
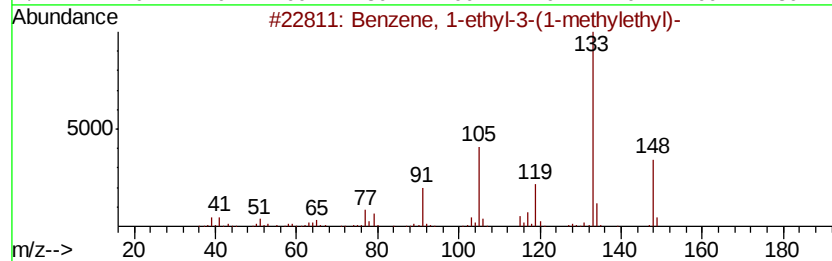
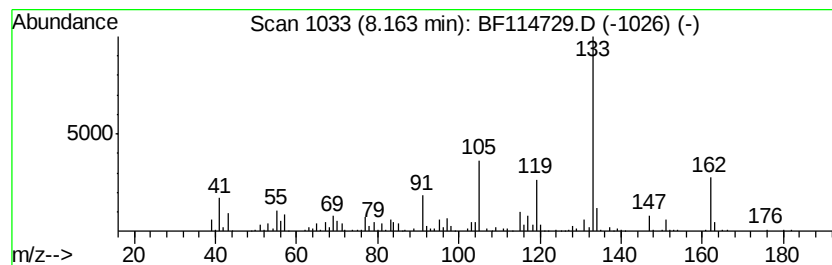
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	3.14 ng	523206	Napthalene-d8	7.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	76
2		6,7-Dimethyl-3H-isobenzofuran-1-one	162	C10H10O2	343852-50-6	72
3		1-Penten-3-ol, 1-phenyl-	162	C11H14O	034862-94-7	64
4		Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	59
5		Benzene, 1,4-dipropyl-	162	C12H18	004815-57-0	53



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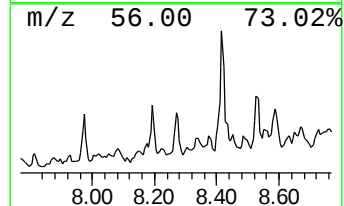
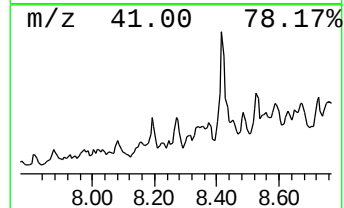
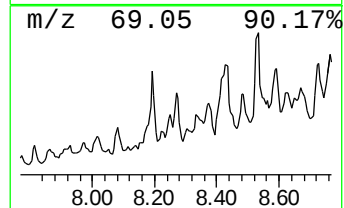
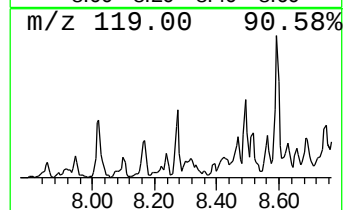
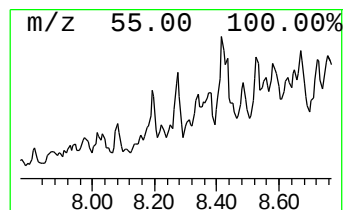
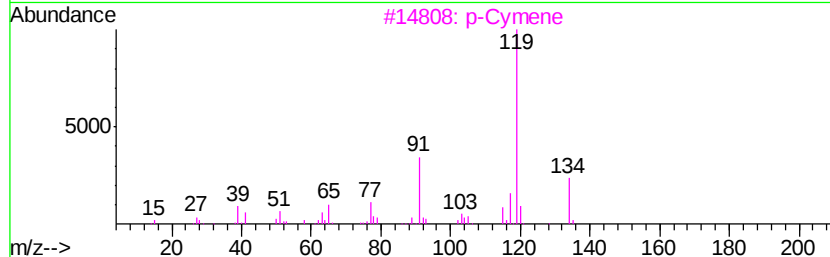
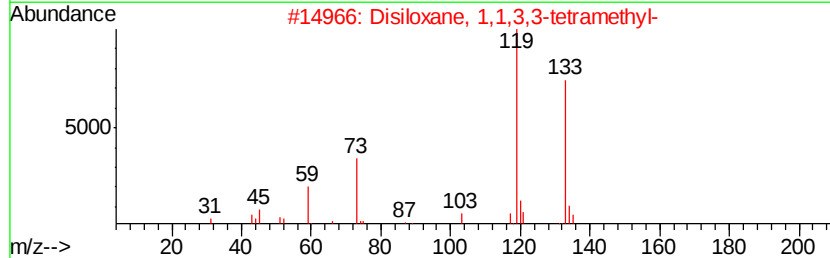
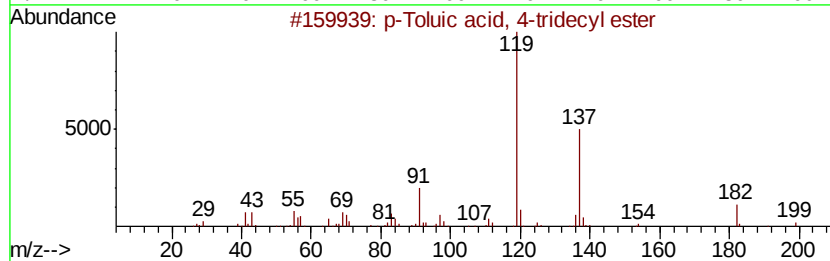
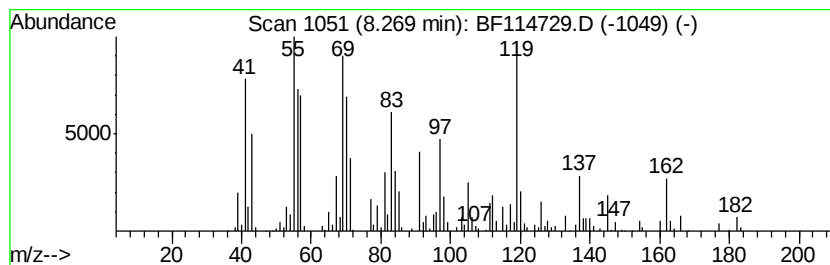
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown8.27 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.27	2.76 ng	460111	Naphthalene-d8	7.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	p-Toluic acid, 4-tridecyl ester	318	C21H34O2	1000299-80-4	22
2		Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	22
3		p-Cymene	134	C10H14	000099-87-6	18
4		2,4-Pentadien-1-ol, 3-propyl-, (...)	126	C8H14O	1000142-17-9	11
5		n-Tridecan-1-ol	200	C13H28O	000112-70-9	11



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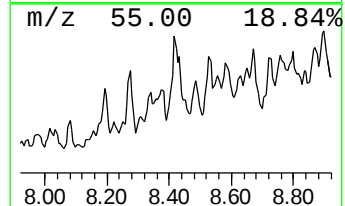
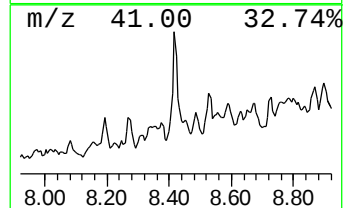
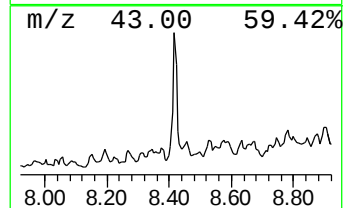
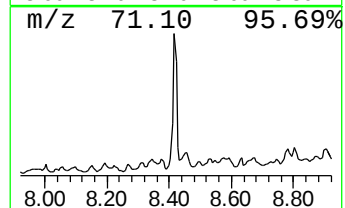
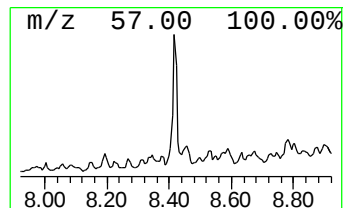
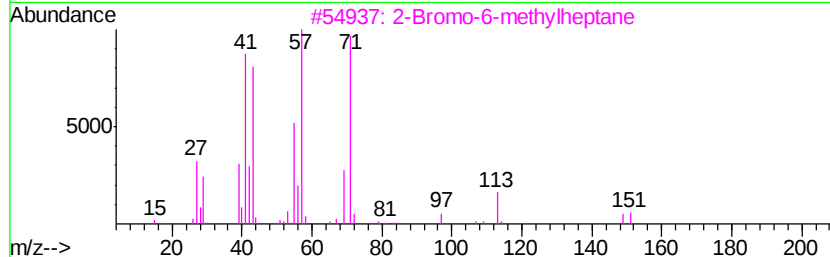
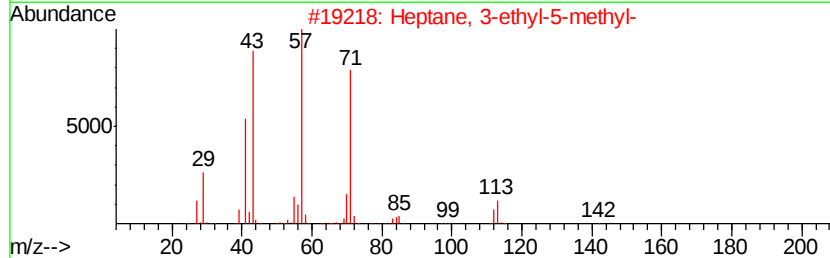
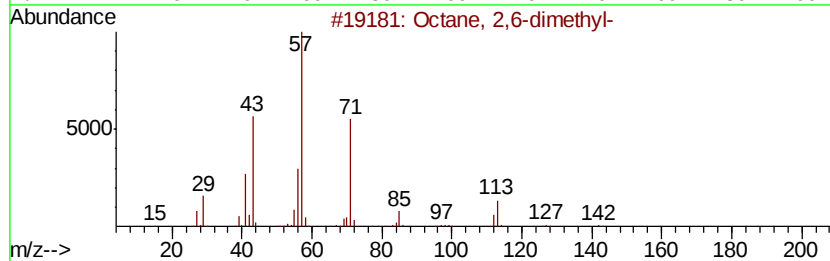
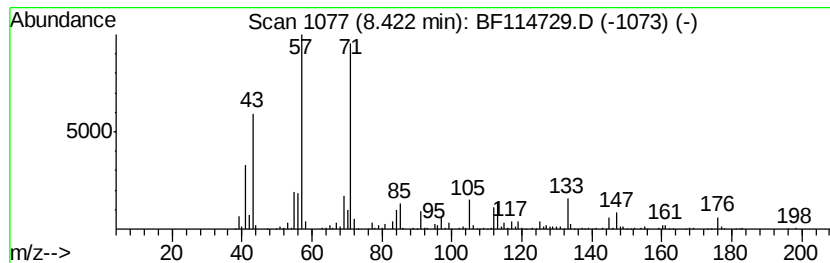
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	8.41 ng	1403290	Naphthalene-d8	7.97

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2		Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	64
3		2-Bromo-6-methylheptane	192	C8H17Br	004730-24-9	64
4		Oxalic acid, butyl 2-ethylhexyl ...	258	C14H26O4	1000309-38-6	53
5		Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53



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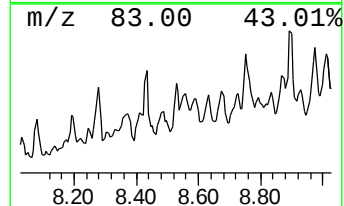
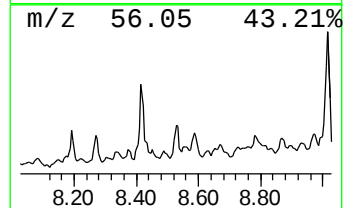
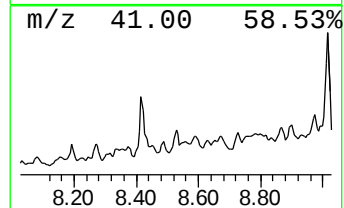
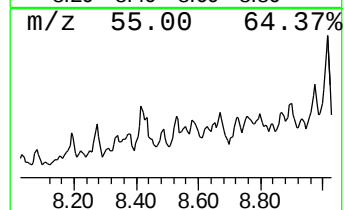
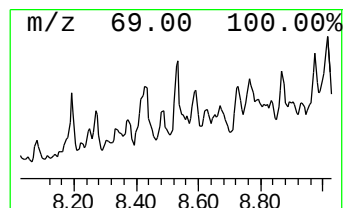
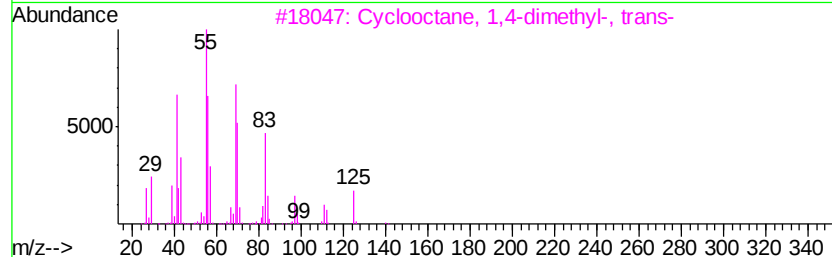
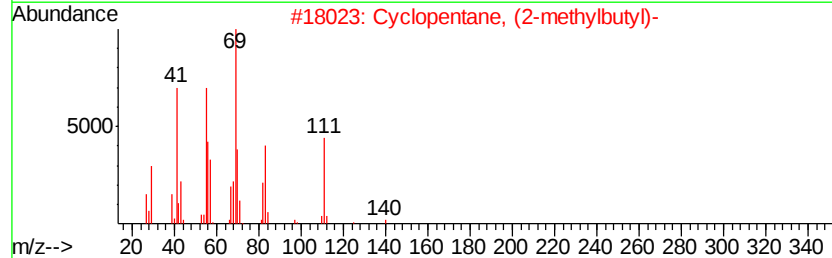
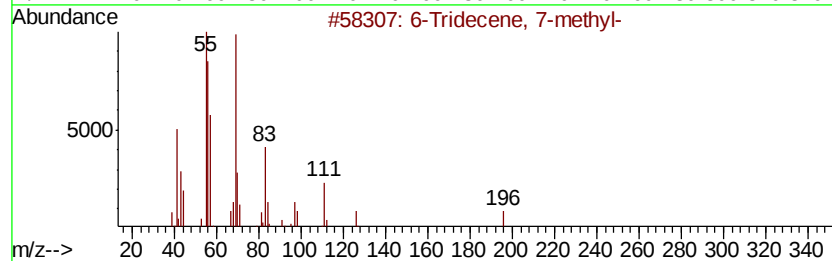
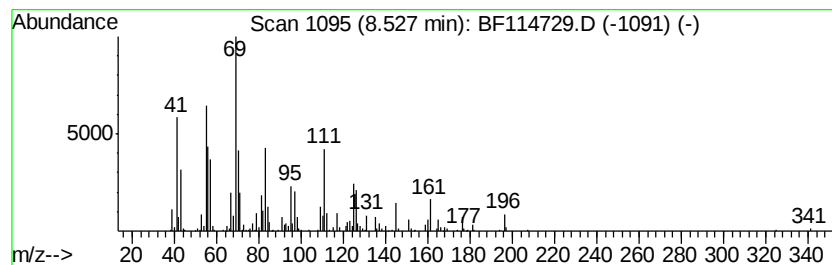
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 6-Tridecene, 7-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	4.03 ng	672050	Naphthalene-d8	7.97

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	72	
2	Cyclopentane, (2-methylbutyl)-	140	C10H20	053366-38-4	62	
3	Cyclooctane, 1,4-dimethyl-, trans-	140	C10H20	013151-98-9	49	
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	43	
5	2-Nonene, (E)-	126	C9H18	006434-78-2	42	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
Data File : BF114729.D
Acq On : 1 Jun 2019 1:27
Operator : HP/JU
Sample : K3051-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SP-1-B

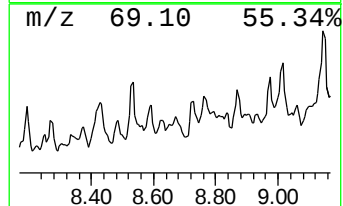
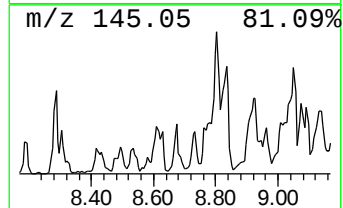
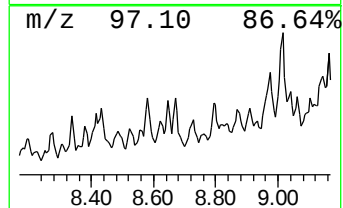
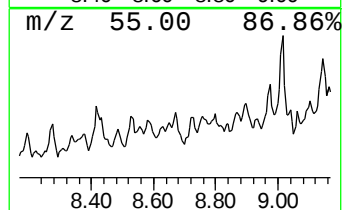
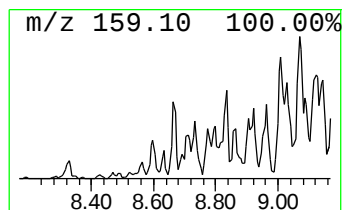
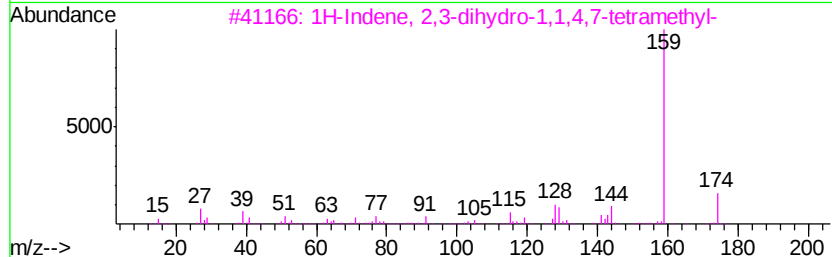
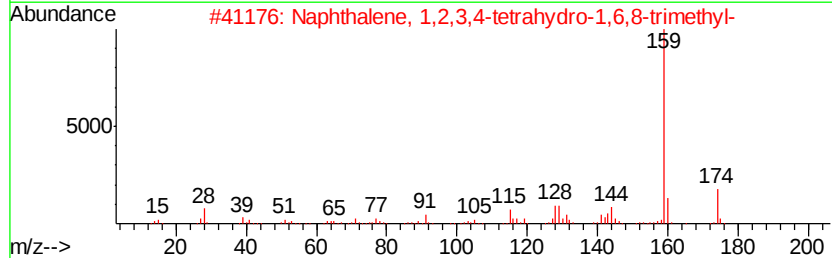
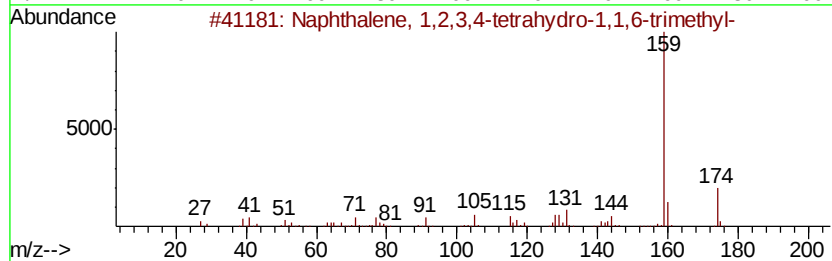
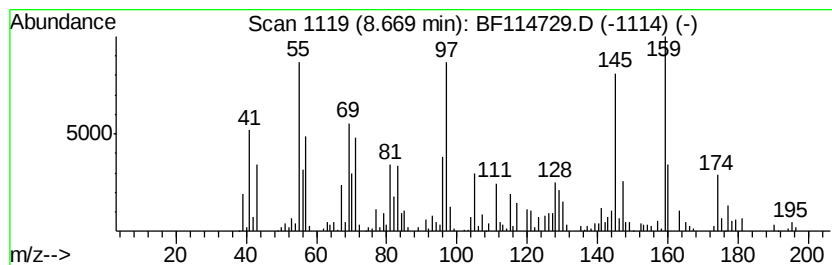
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown8.67 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.67	4.58 ng	764896	Naphthalene-d8	7.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	38
2		Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	38
3		1H-Indene, 2,3-dihydro-1,1,4,7-t...	174	C13H18	001078-04-2	38
4		Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	38
5		1H-Indene, 2,3-dihydro-1,1,4,6-t...	174	C13H18	000941-60-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
Data File : BF114729.D
Acq On : 1 Jun 2019 1:27
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Sample : K3051-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

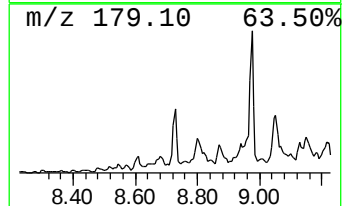
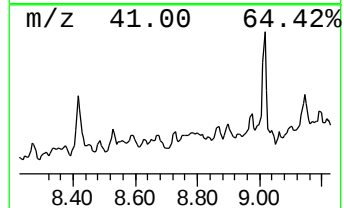
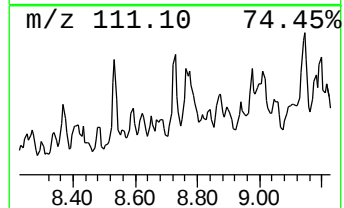
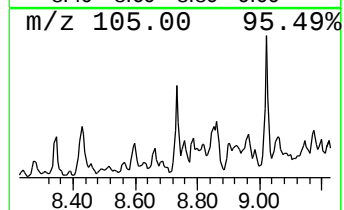
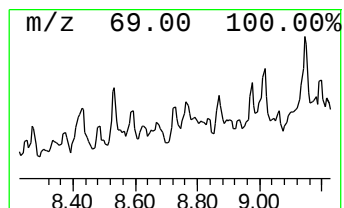
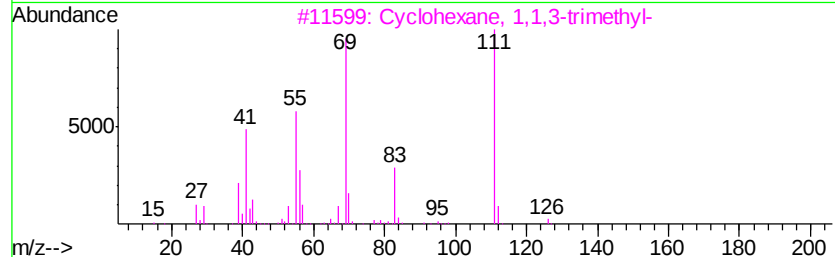
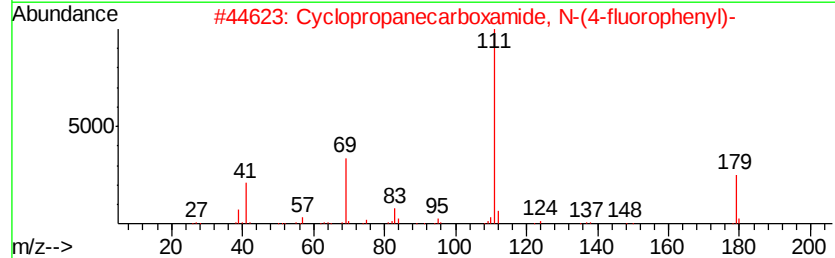
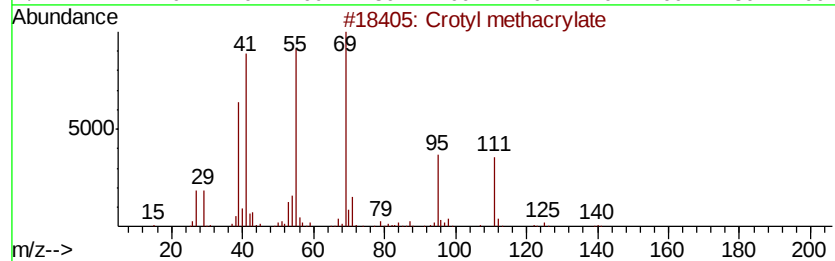
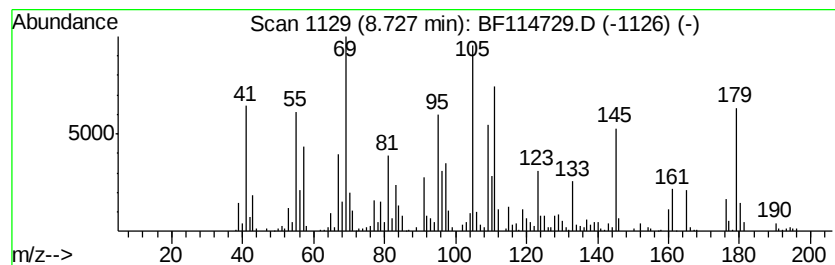
Instrument :
BNA_F
ClientSampled :
SP-1-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown8.73 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	3.09 ng	516342	Naphthalene-d8	7.97
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Crotyl methacrylate	140 C8H12O2	007376-45-6 45
2		Cyclopropanecarboxamide, N-(4-fl...	179 C10H10FNO	1000307-18-5 43
3		Cyclohexane, 1,1,3-trimethyl-	126 C9H18	003073-66-3 42
4		1,1'-Bicyclohexyl, 2-ethyl-, cis-	194 C14H26	050991-12-3 38
5		Cyclohexane, 2-ethyl-1,3-dimethyl-	140 C10H20	007045-67-2 30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
Data File : BF114729.D
Acq On : 1 Jun 2019 1:27
Operator : HP/JU
Sample : K3051-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1-B

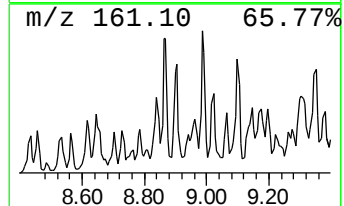
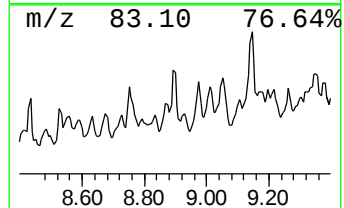
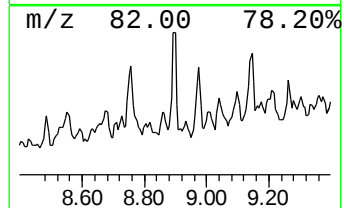
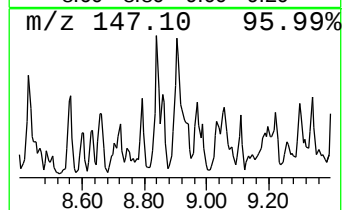
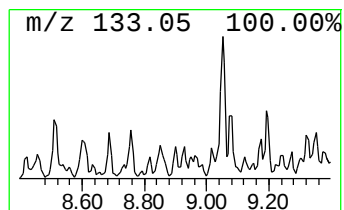
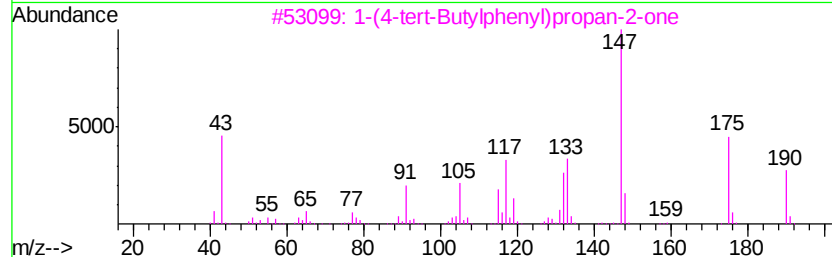
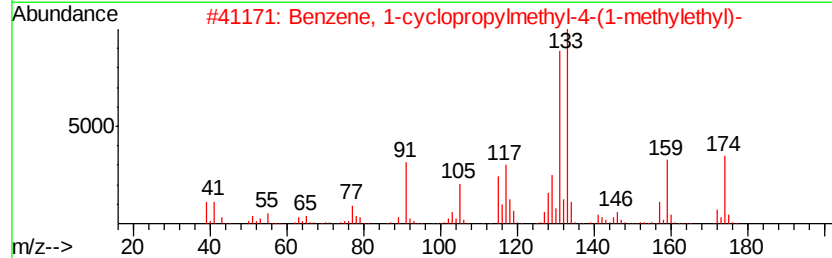
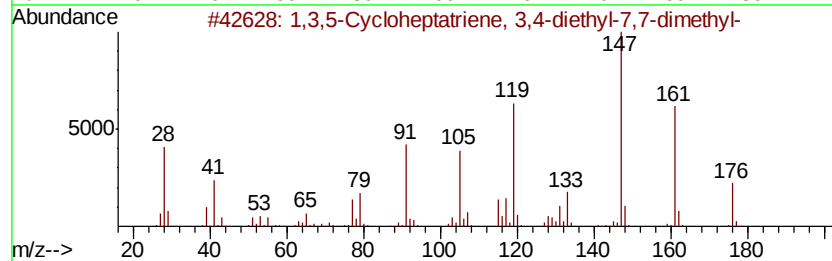
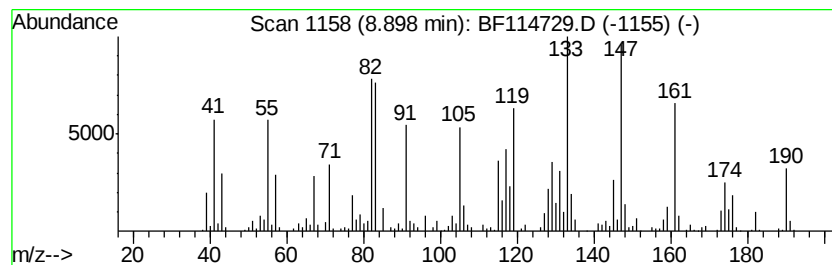
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown8.90 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	2.76 ng	618122	Acenaphthene-d10	9.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3,5-Cycloheptatriene, 3,4-diet...	176	C13H20	1000156-99-7	22
2		Benzene, 1-cyclopropylmethyl-4-(...	174	C13H18	1000271-09-9	15
3		1-(4-tert-Butylphenyl)propan-2-one	190	C13H18O	081561-77-5	14
4		n-Heptadecylcyclohexane	322	C23H46	019781-73-8	14
5		Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
Data File : BF114729.D
Acq On : 1 Jun 2019 1:27
Operator : HP/JU
Sample : K3051-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1-B

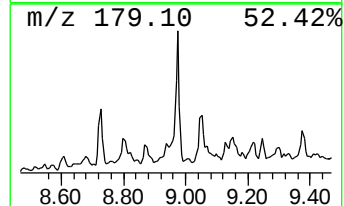
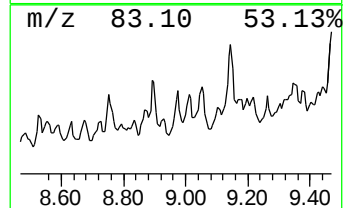
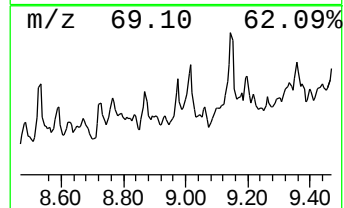
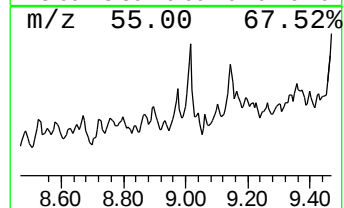
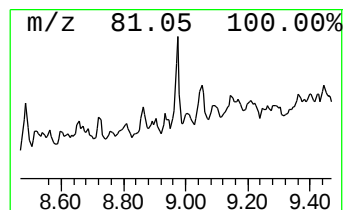
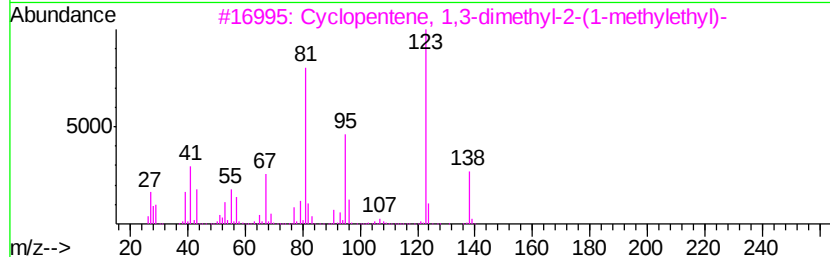
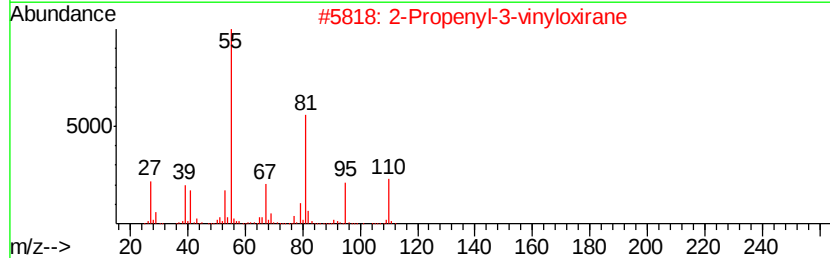
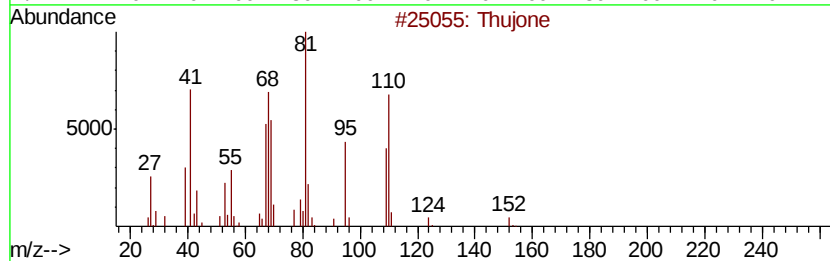
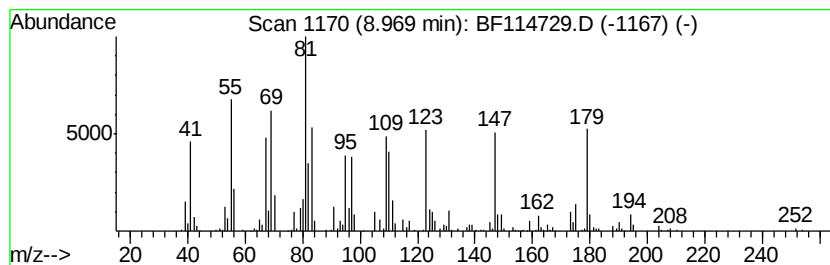
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown8.97 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	2.70 ng	605815	Acenaphthene-d10	9.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thujone	152	C10H16O	000546-80-5	38
2		2-Propenyl-3-vinylloxirane	110	C7H10O	070597-49-8	35
3		Cyclopentene, 1,3-dimethyl-2-(1-...	138	C10H18	061142-32-3	27
4		Thioctic acid	206	C8H14O2S2	001077-28-7	27
5		2-Ethylcyclohexanol, heptafluoro...	324	C12H15F7O2	959079-92-6	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
Data File : BF114729.D
Acq On : 1 Jun 2019 1:27
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Sample : K3051-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1-B

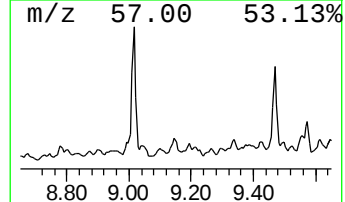
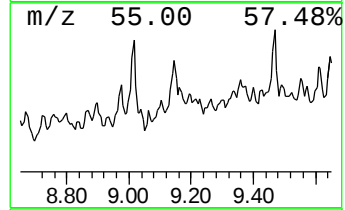
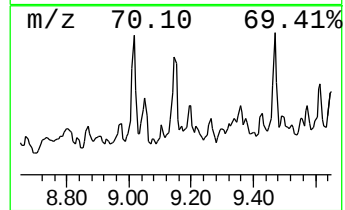
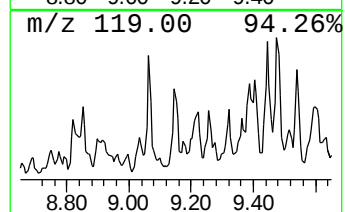
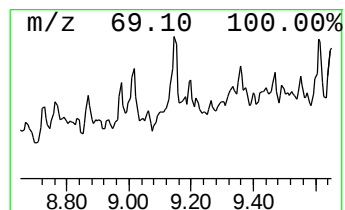
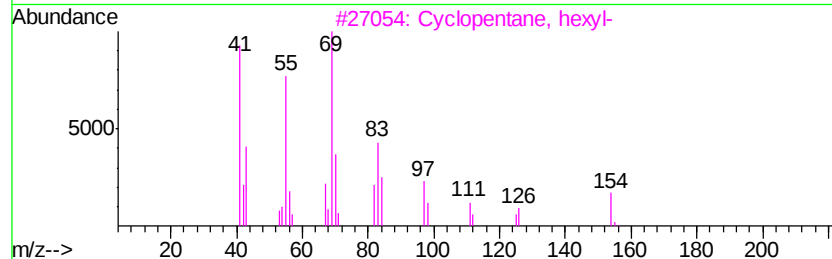
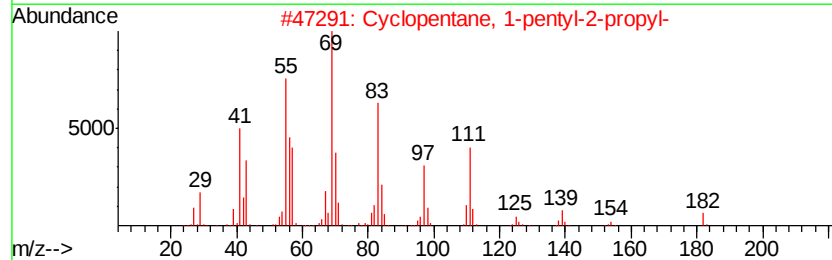
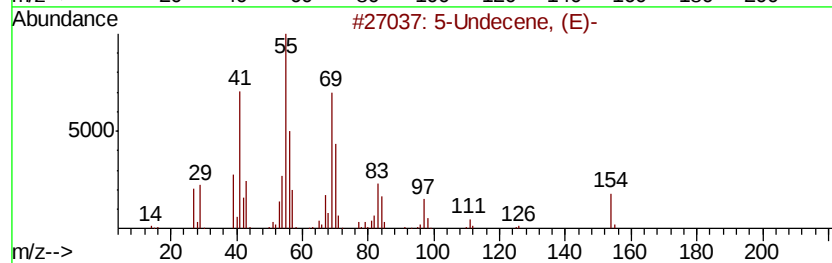
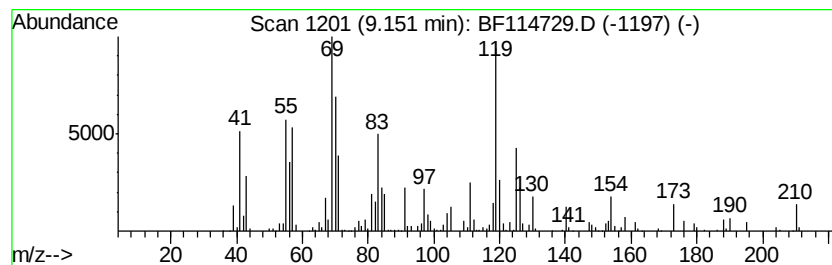
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown9.15 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	3.56 ng	797668	Acenaphthene-d10	9.72

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Undecene, (E)-	154	C11H22	000764-97-6	46
2			Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	46
3			Cyclopentane, hexyl-	154	C11H22	004457-00-5	38
4			3-Undecene, (E)-	154	C11H22	001002-68-2	30
5			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
Data File : BF114729.D
Acq On : 1 Jun 2019 1:27
Operator : HP/JU
Sample : K3051-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

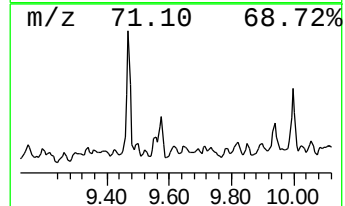
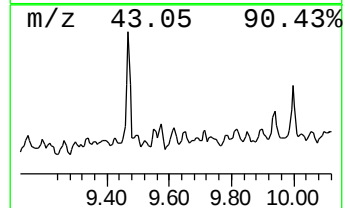
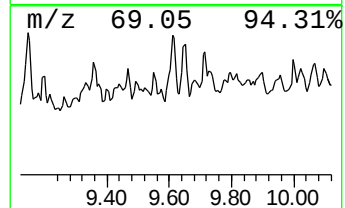
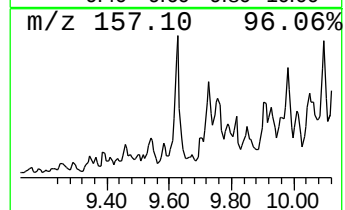
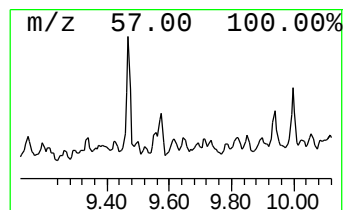
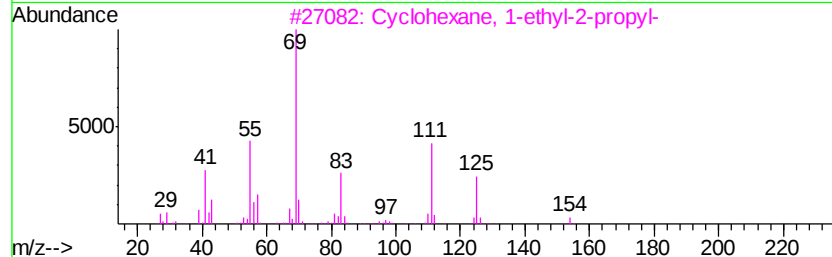
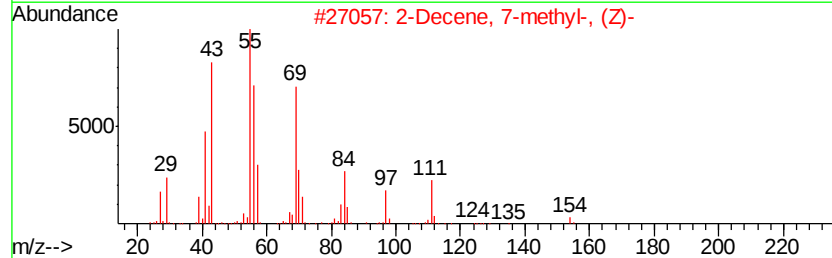
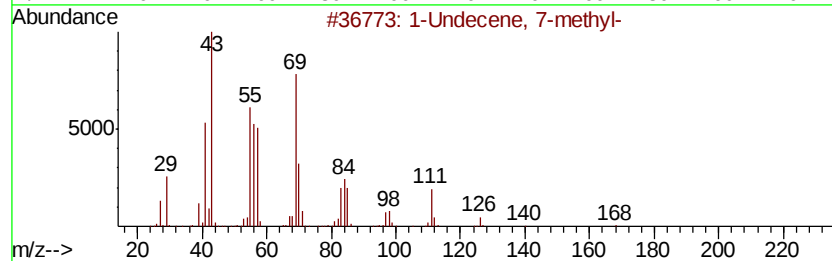
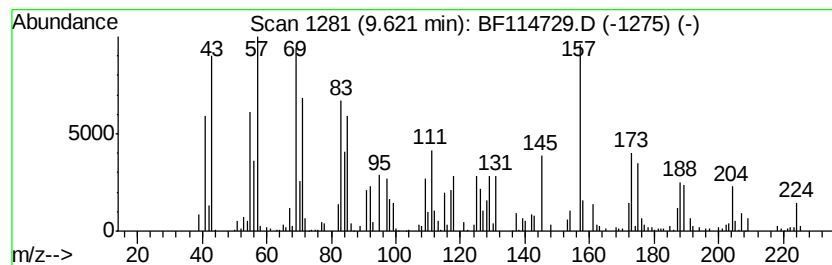
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ClientSampleId :
SP-1-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown9.62 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.62	5.40 ng	1211050	Acenaphthene-d10	9.72	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Undecene, 7-methyl-	168	C12H24	074630-42-5	43
2	2-Decene, 7-methyl-, (Z)-	154	C11H22	074630-23-2	43
3	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	38
4	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	30
5	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
Data File : BF114729.D
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Operator : HP/JU
Sample : K3051-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

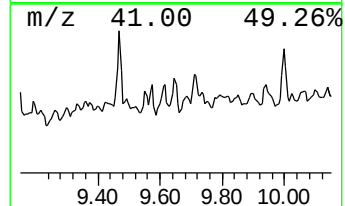
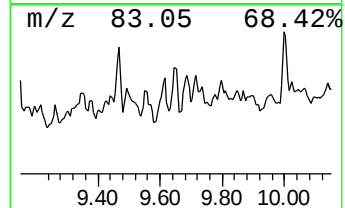
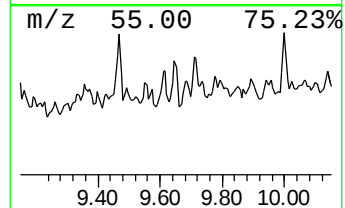
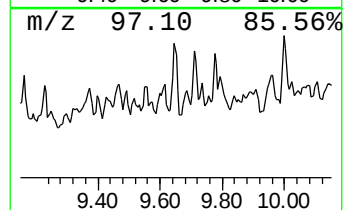
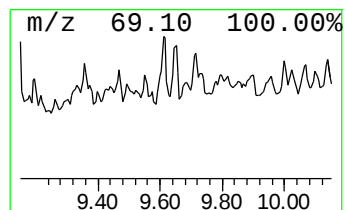
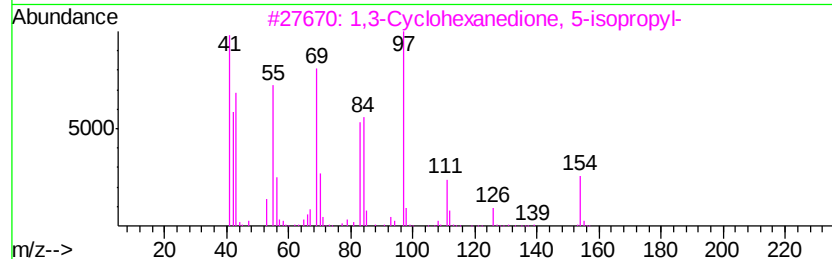
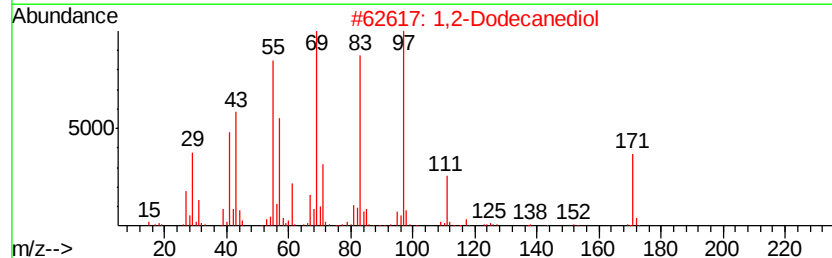
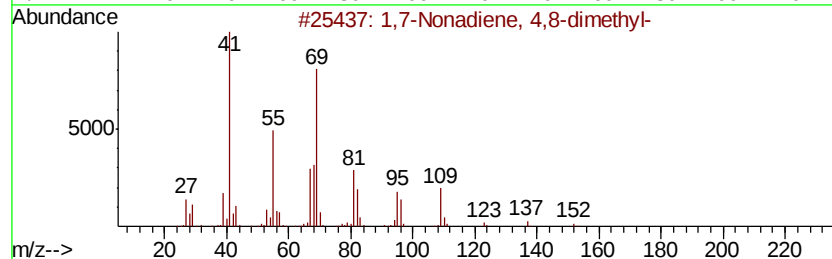
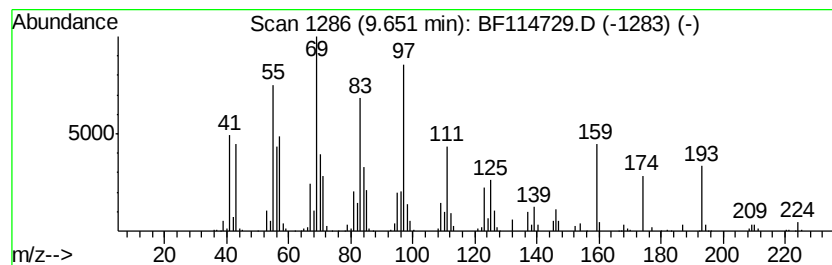
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ClientSampleId :
SP-1-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown9.65 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.65	3.07 ng	687987	Acenaphthene-d10	9.72	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,7-Nonadiene, 4,8-dimethyl-	152	C11H20	062108-28-5	41
2	1,2-Dodecanediol	202	C12H26O2	001119-87-5	35
3	1,3-Cyclohexanedione, 5-isopropyl-	154	C9H14O2	018456-87-6	30
4	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	30
5	1,7-Dimethyl-4-(1-methylethyl)cyclohexyl-	210	C15H30	000645-10-3	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
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Sample : K3051-04
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ALS Vial : 14 Sample Multiplier: 1

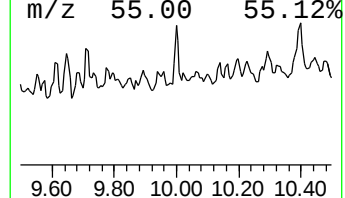
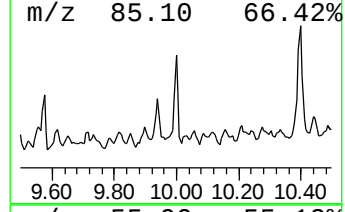
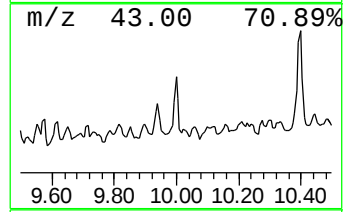
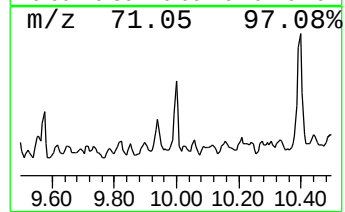
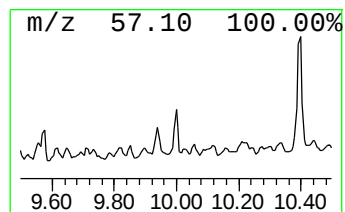
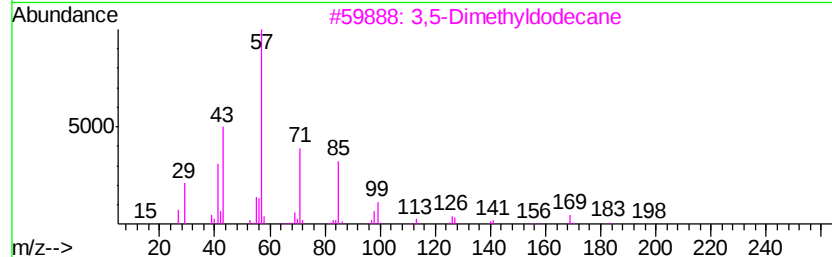
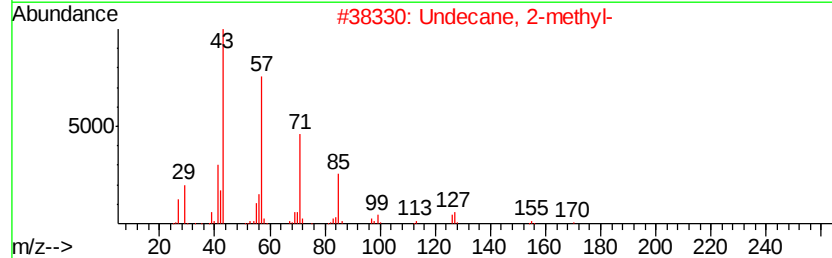
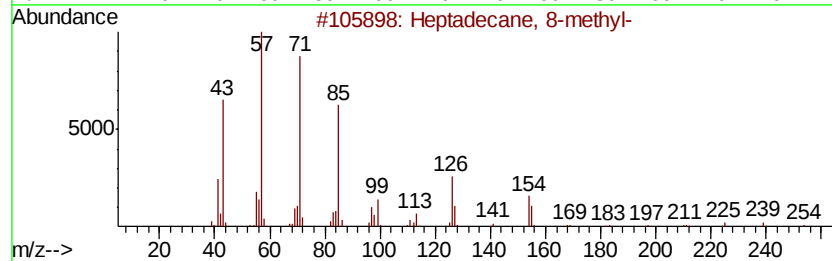
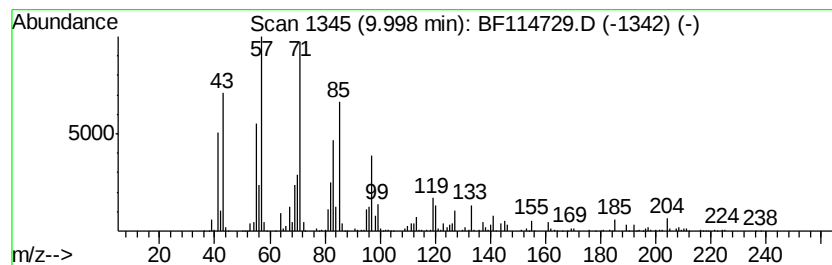
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown10.00 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.00	5.56 ng	1246580	Acenaphthene-d10	9.72	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	46
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	45
3	3,5-Dimethyldodecane	198	C14H30	107770-99-0	43
4	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	43
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
Data File : BF114729.D
Acq On : 1 Jun 2019 1:27
Operator : HP/JU
Sample : K3051-04
Misc :
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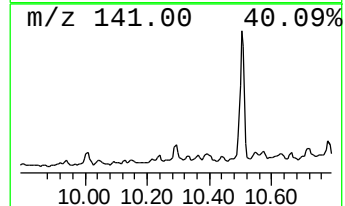
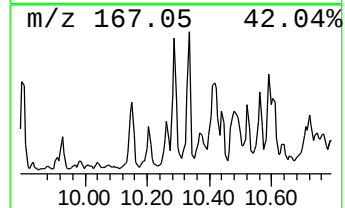
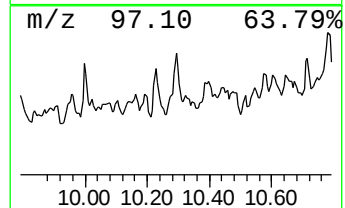
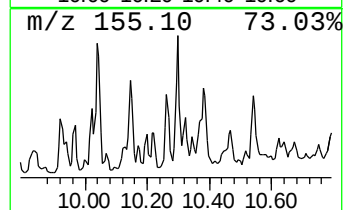
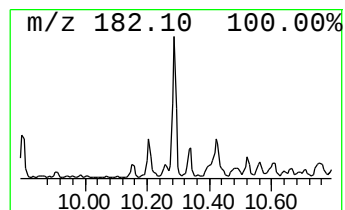
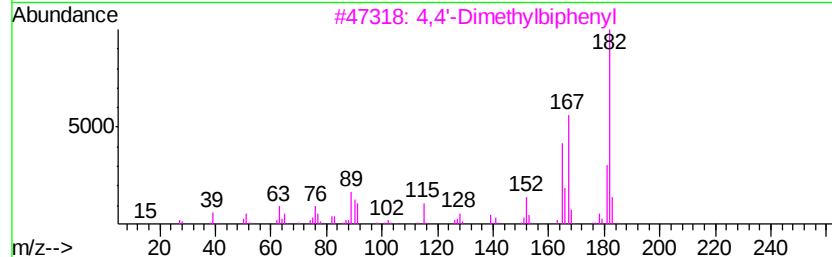
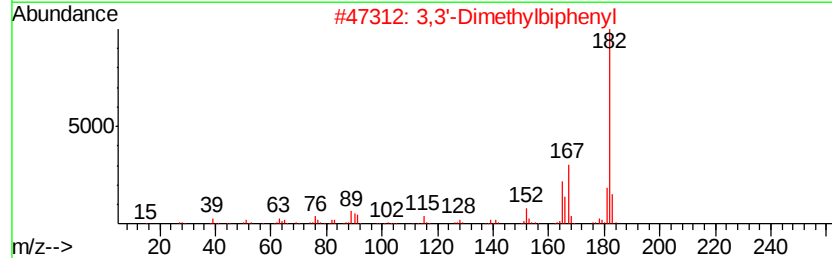
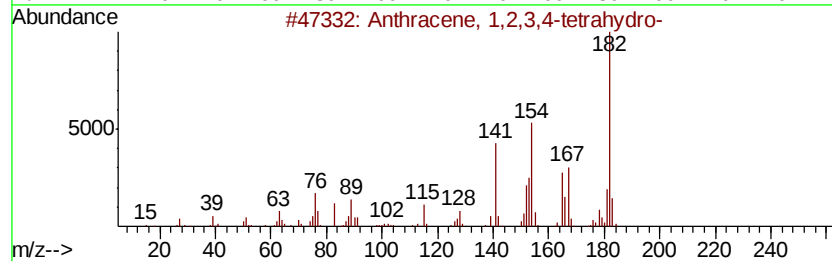
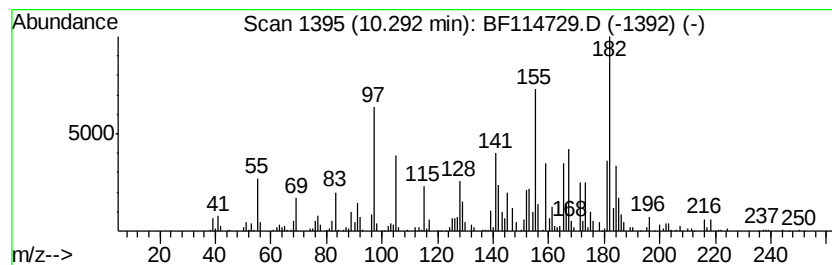
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.29	3.95 ng	884849	Acenaphthene-d10	9.72	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	50
2	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	41
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	41
4	3-Ethyl-1,2-dihydro-6-methyl-5-n...	182	C8H10N2O3	1000241-09-2	35
5	(0-Bromophenyl)di(p-tolyl)arsine	412	C20H18AsBr	1000306-25-1	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
Data File : BF114729.D
Acq On : 1 Jun 2019 1:27
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Sample : K3051-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1-B

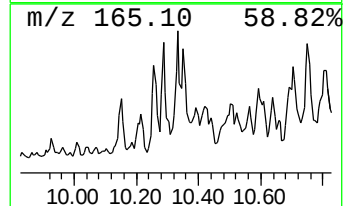
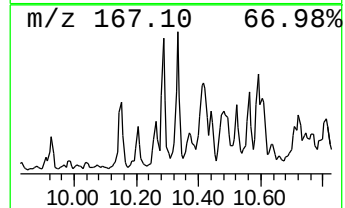
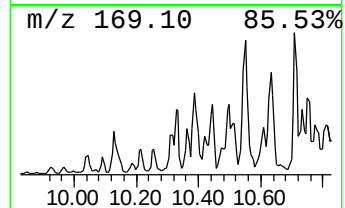
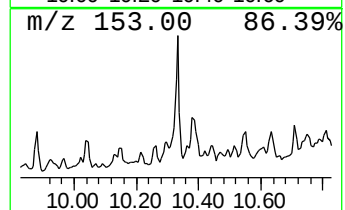
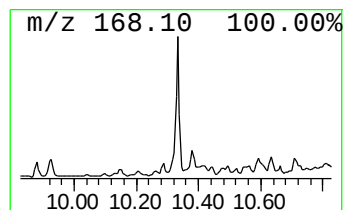
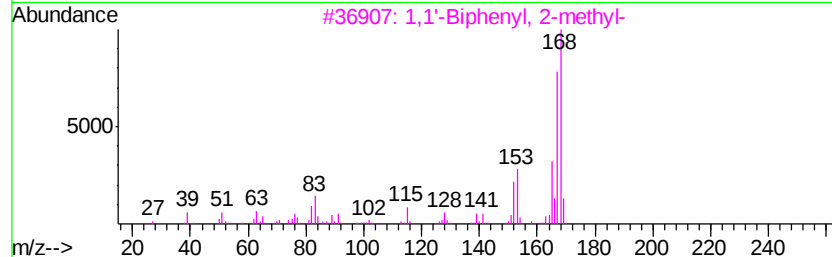
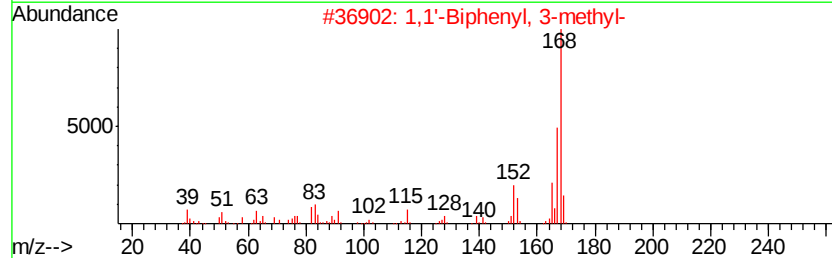
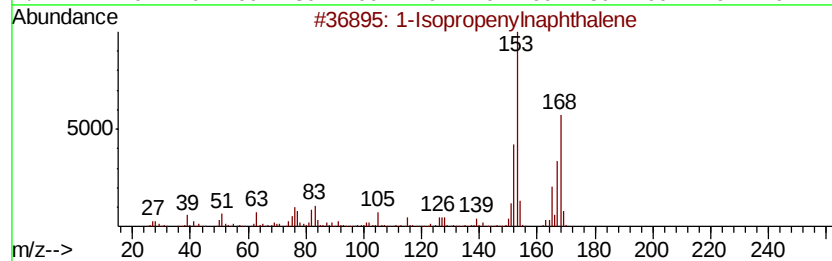
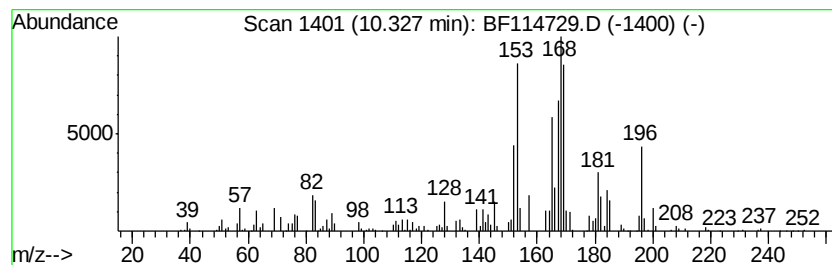
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown10.33 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	3.28 ng	735217	Acenaphthene-d10	9.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	47
2		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	38
3		1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	38
4		Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	35
5		1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
Data File : BF114729.D
Acq On : 1 Jun 2019 1:27
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Sample : K3051-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

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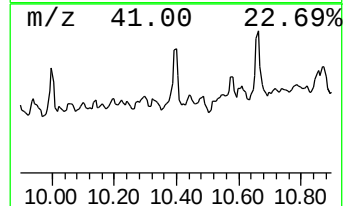
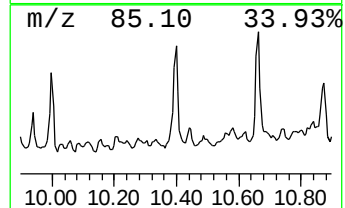
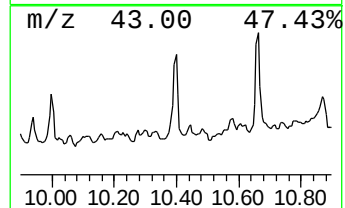
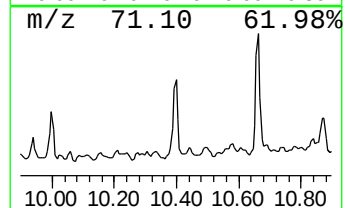
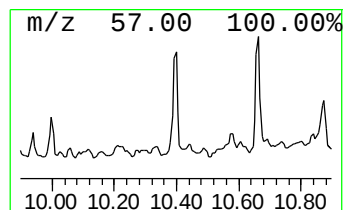
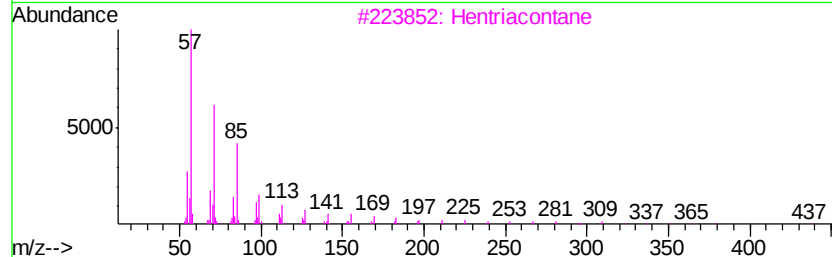
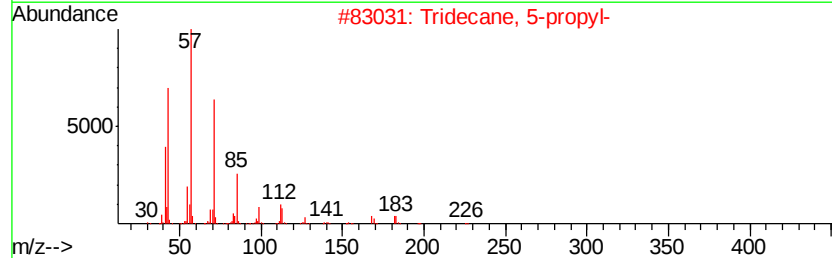
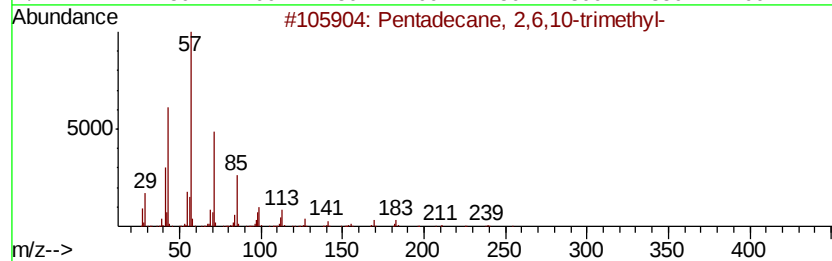
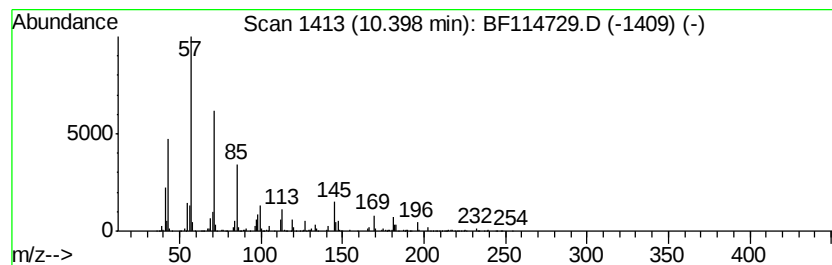
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pentadecane, 2,6,10-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	7.66 ng	1716650	Acenaphthene-d10	9.72

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	81
3		Hentriacontane	437	C31H64	000630-04-6	72
4		2-Bromo dodecane	248	C12H25Br	013187-99-0	70
5		Heptadecane	240	C17H36	000629-78-7	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
Data File : BF114729.D
Acq On : 1 Jun 2019 1:27
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Misc :
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Instrument :
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ClientSampleId :
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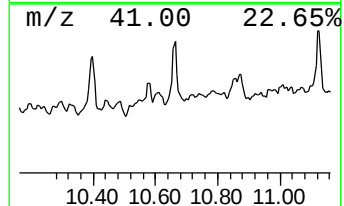
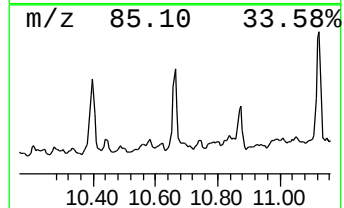
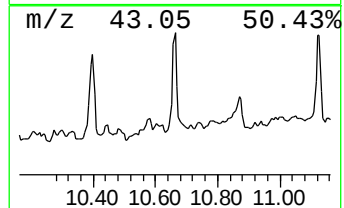
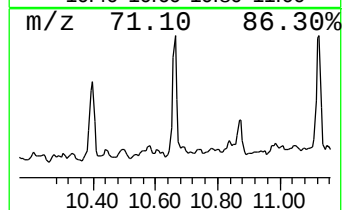
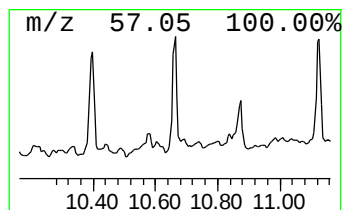
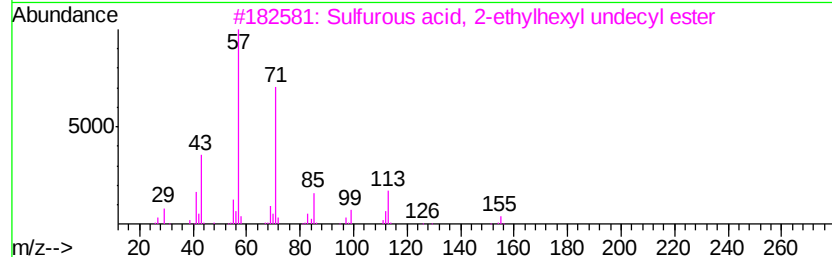
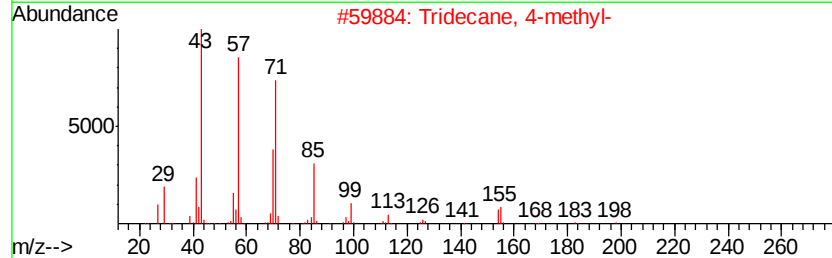
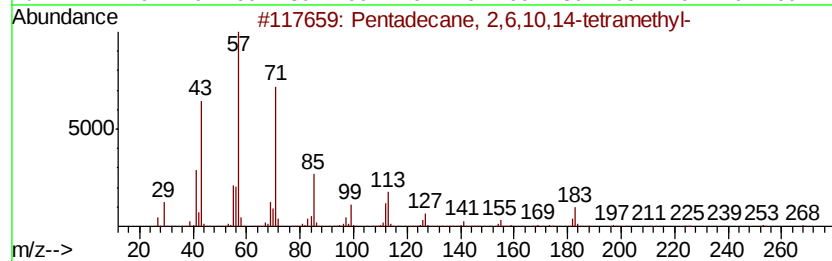
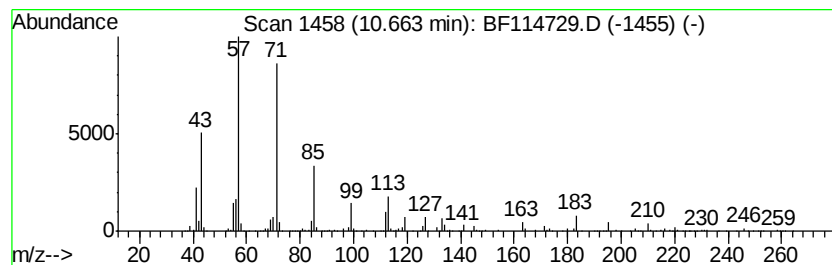
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Pentadecane, 2,6,10,14-tetr... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	13.63 ng	1398800	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	78
2		Tridecane, 4-methyl-	198	C14H30	026730-12-1	74
3		Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	72
4		Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	59
5		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
Data File : BF114729.D
Acq On : 1 Jun 2019 1:27
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
SP-1-B

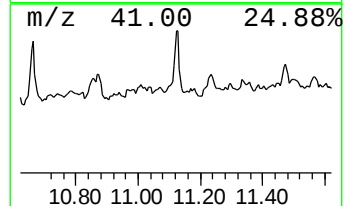
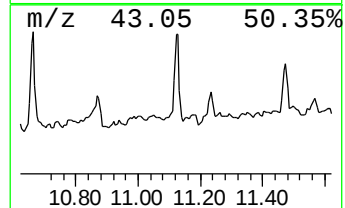
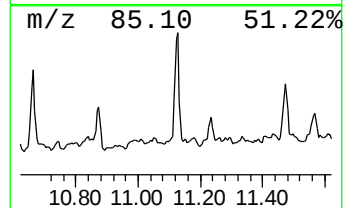
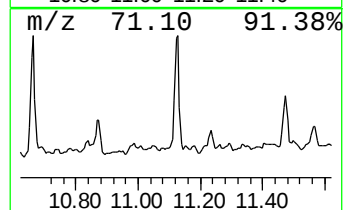
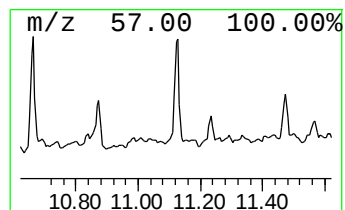
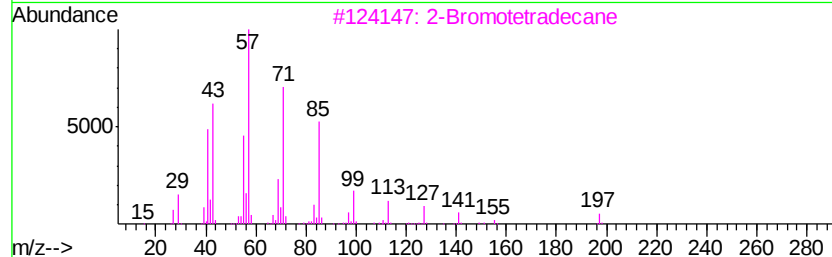
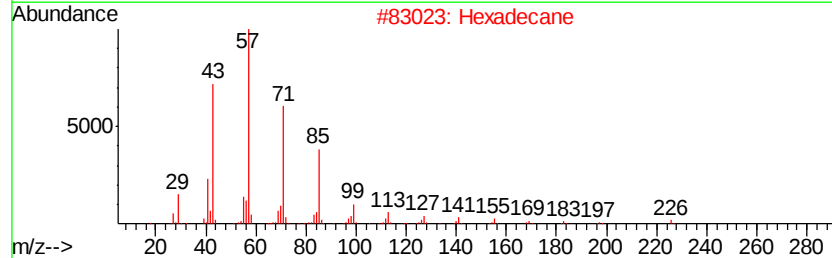
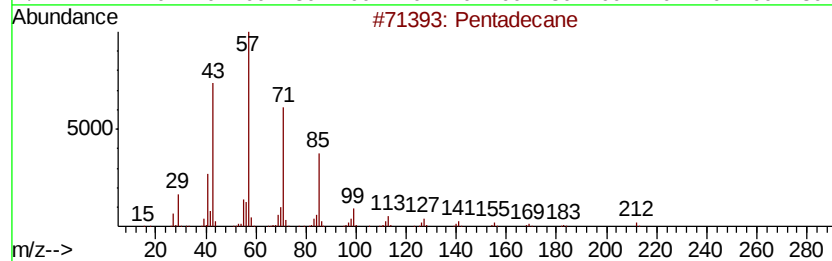
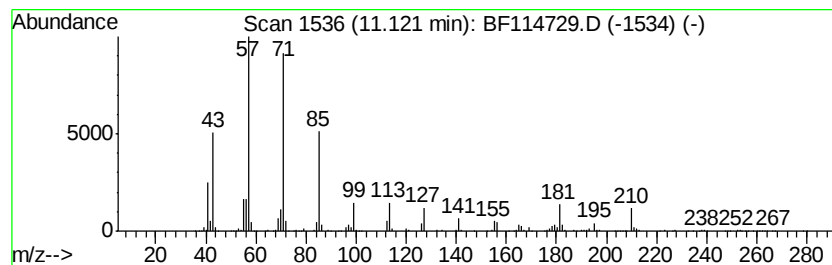
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pentadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	19.80 ng	2031620	Phenanthrene-d10	11.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane		212	C15H32	000629-62-9	87
2	Hexadecane		226	C16H34	000544-76-3	87
3	2-Bromotetradecane		276	C14H29Br	074036-95-6	80
4	Decane, 3,7-dimethyl-		170	C12H26	017312-54-8	74
5	Hexacosane		366	C26H54	000630-01-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053119\
Data File : BF114729.D
Acq On : 1 Jun 2019 1:27
Operator : HP/JU
Sample : K3051-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1-B

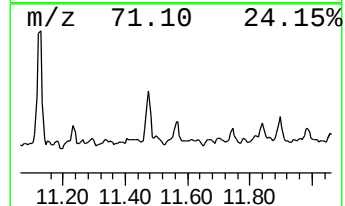
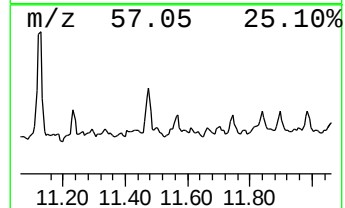
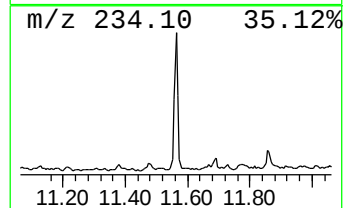
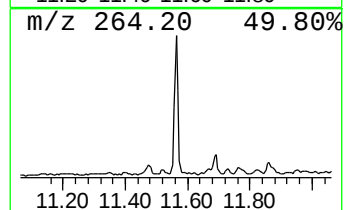
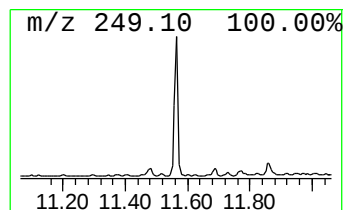
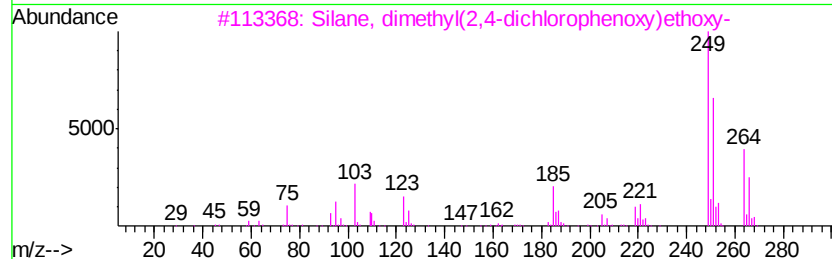
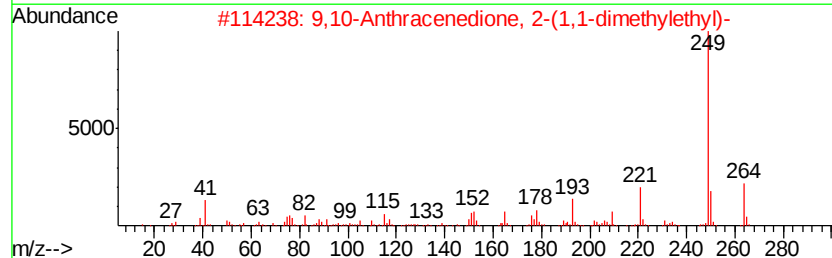
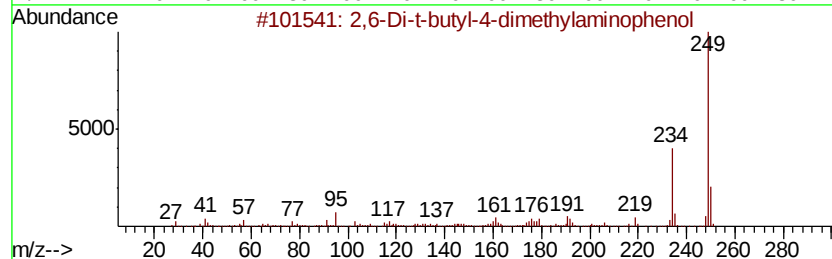
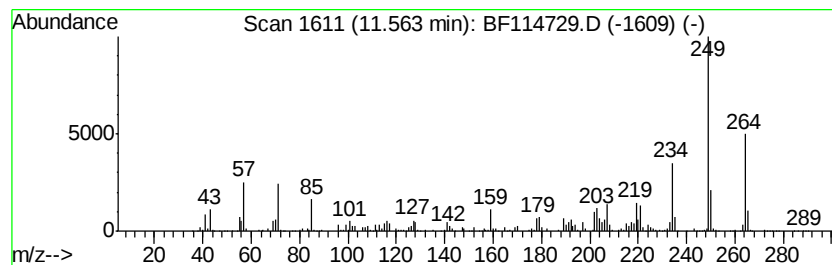
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 2,6-Di-t-butyl-4-dimethylam... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	15.98 ng	1639860	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,6-Di-t-butyl-4-dimethylaminoph...	249	C16H27NO	010437-44-2	64
2		9,10-Anthracenedione, 2-(1,1-dim...	264	C18H16O2	000084-47-9	64
3		Silane, dimethyl(2,4-dichlorophe...	264	C10H14Cl2O2Si	1000347-04-1	64
4		Phosphorin, 2,4,6-tris(1,1-dimet...	264	C17H29P	017420-29-0	64
5		Benzene-1,4-diamine, N-(2-methyl...	249	C16H15N3	1000269-06-5	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF053119\
Data File : BF114729.D
Acq On : 1 Jun 2019 1:27
Operator : HP/JU
Sample : K3051-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.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
unknown6.47	6.47	68.0	ng	8932710	1	6.69	2625150	20.0
Benzene, 1-ethyl-...	8.16	3.1	ng	523206	2	7.97	3337520	20.0
unknown8.27	8.27	2.8	ng	460111	2	7.97	3337520	20.0
Octane, 2,6-dimet...	8.42	8.4	ng	1403290	2	7.97	3337520	20.0
6-Tridecene, 7-me...	8.53	4.0	ng	672050	2	7.97	3337520	20.0
unknown8.67	8.67	4.6	ng	764896	2	7.97	3337520	20.0
unknown8.73	8.73	3.1	ng	516342	2	7.97	3337520	20.0
unknown8.90	8.90	2.8	ng	618122	3	9.72	4482850	20.0
unknown8.97	8.97	2.7	ng	605815	3	9.72	4482850	20.0
unknown9.15	9.15	3.6	ng	797668	3	9.72	4482850	20.0
unknown9.62	9.62	5.4	ng	1211050	3	9.72	4482850	20.0
unknown9.65	9.65	3.1	ng	687987	3	9.72	4482850	20.0
unknown10.00	10.00	5.6	ng	1246580	3	9.72	4482850	20.0
Anthracene, 1,2,3...	10.29	4.0	ng	884849	3	9.72	4482850	20.0
unknown10.33	10.33	3.3	ng	735217	3	9.72	4482850	20.0
Pentadecane, 2,6,...	10.40	7.7	ng	1716650	3	9.72	4482850	20.0
Pentadecane, 2,6,...	10.66	13.6	ng	1398800	4	11.20	2052430	20.0
Pentadecane	11.12	19.8	ng	2031620	4	11.20	2052430	20.0
2,6-Di-t-butyl-4-...	11.56	16.0	ng	1639860	4	11.20	2052430	20.0