

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114941.D
 Acq On : 11 Jun 2019 12:59
 Operator : HP/JU
 Sample : K3214-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

Manual Integrations
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mohammad
 6/12/2019 9:03:43 AM

Quant Time: Jun 12 09:25:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 16:44:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	200265	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	385230	20.00	ng	0.11
39) Acenaphthene-d10	9.74	164	255607m	20.00	ng	0.05
64) Phenanthrene-d10	11.19	188	677021	20.00	ng	0.02
76) Chrysene-d12	13.80	240	582714	20.00	ng	0.00
87) Perylene-d12	15.19	264	657543	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	821659m	69.44	ng	0.09
7) Phenol-d6	6.40	99	579813	40.62	ng	0.09
23) Nitrobenzene-d5	7.30	82	772172	123.16	ng	0.07
42) 2,4,6-Tribromophenol	10.52	330	518124	186.34	ng	0.04
45) 2-Fluorobiphenyl	9.07	172	1525643	94.73	ng	0.05
79) Terphenyl-d14	12.76	244	2312749	78.93	ng	0.01
Target Compounds						
3) Pyridine	2.97	79	171264	10.957	ng	98
6) Aniline	6.35	93	2216091	114.623	ng	# 83
17) 2-Methylphenol	6.99	107	2259042m	199.776	ng	
20) 3+4-Methylphenols	7.13	107	1951712m	154.149	ng	
27) 2,4-Dimethylphenol	7.79	122	8134186	1534.044	ng	94
31) Naphthalene	8.12	128	31510397m	1775.180	ng	
37) 2-Methylnaphthalene	8.74	142	7471250m	619.396	ng	
38) 1-Methylnaphthalene	8.85	142	4160817	364.725	ng	# 100
46) 1,1'-Biphenyl	9.18	154	2030413	106.177	ng	98
49) Acenaphthylene	9.61	152	222409m	9.349	ng	
52) Acenaphthene	9.78	154	2039772	141.535	ng	99
55) Dibenzofuran	9.95	168	1998281	97.133	ng	96
58) Fluorene	10.27	166	1012543	63.849	ng	99
71) Phenanthrene	11.21	178	1029460	31.341	ng	98
72) Anthracene	11.26	178	319211m	9.575	ng	
73) Carbazole	11.43	167	884551	29.141	ng	97
75) Fluoranthene	12.38	202	89784	2.643	ng	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

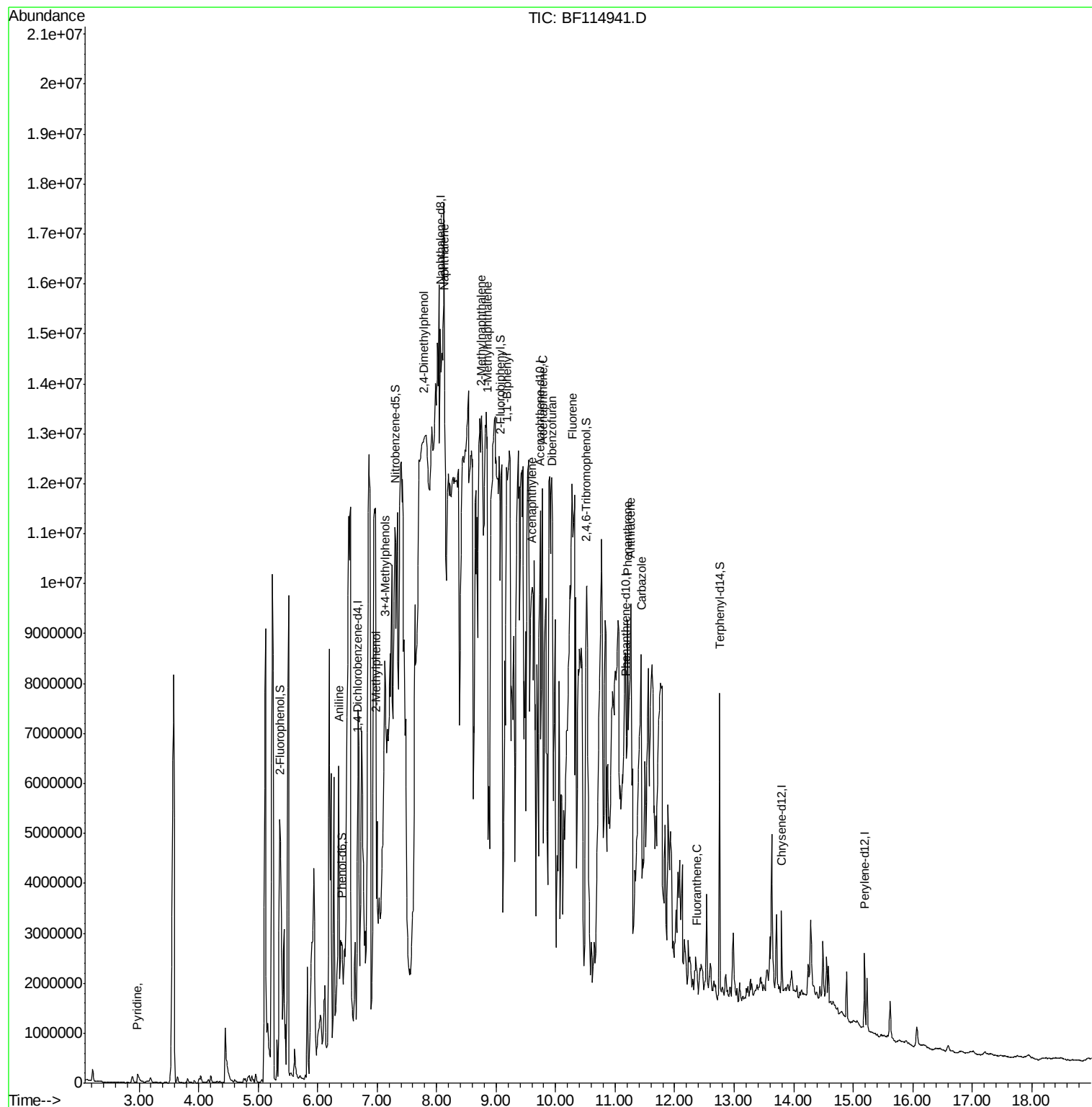
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
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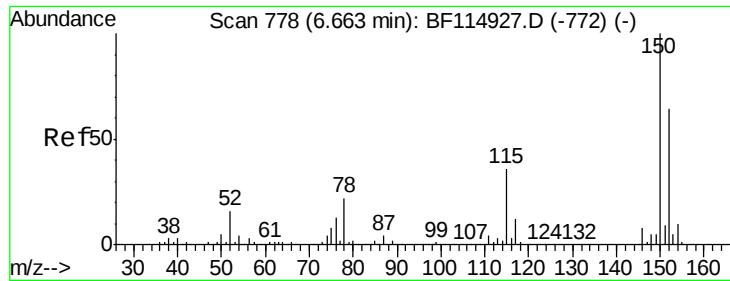
Instrument :
BNA_F
ClientSampled :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

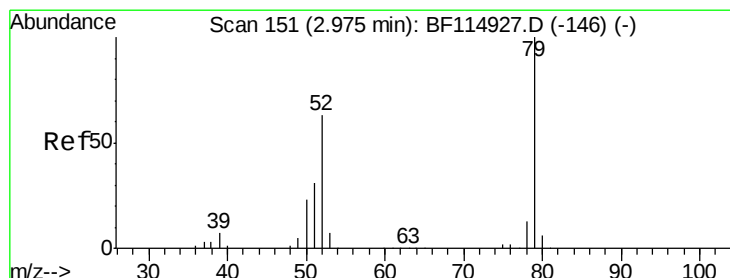
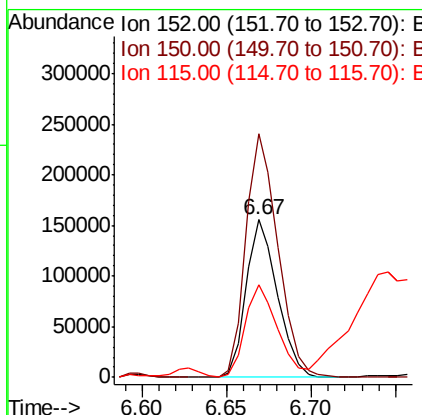
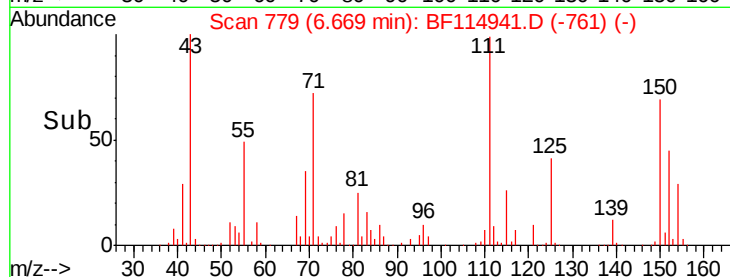
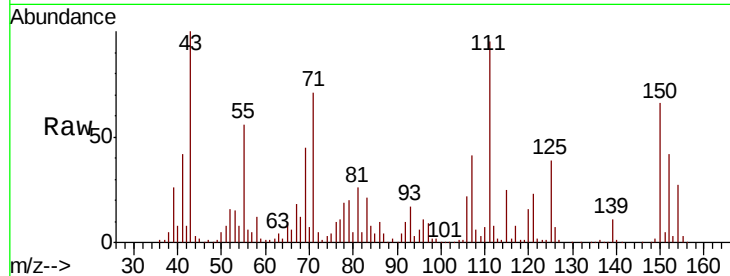
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.01 min
Lab File: BF114941.D
Acq: 11 Jun 2019 12:59

Instrument :
BNA_F
ClientSampleId :
MW-1A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.2	187.8
115	59.1	45.0	67.4

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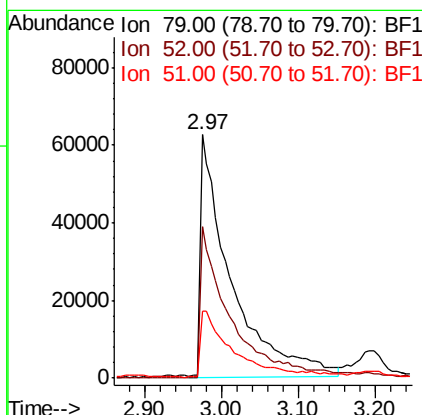
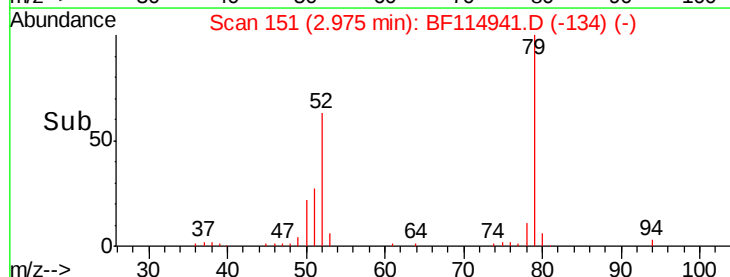
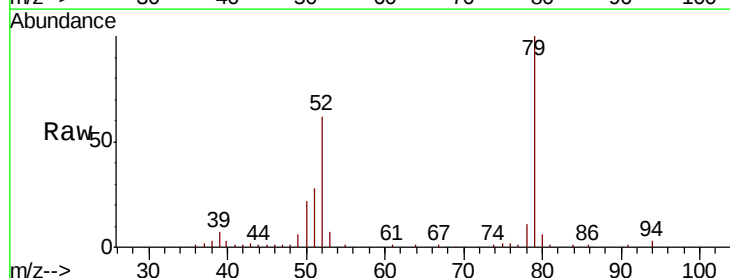
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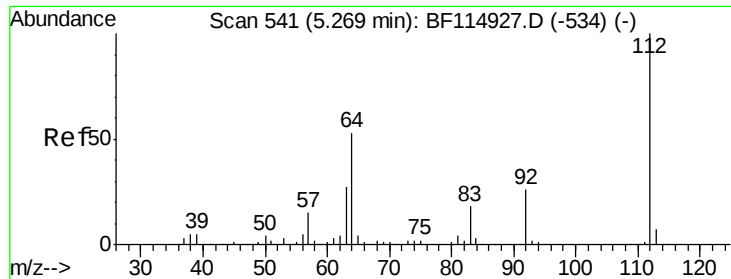


#3

Pyridine
Concen: 10.957 ng
RT: 2.97 min Scan# 151
Delta R.T. -0.00 min
Lab File: BF114941.D
Acq: 11 Jun 2019 12:59

Tgt Ion	Ratio	Lower	Upper
79	100		
52	62.2	50.2	75.2
51	27.5	24.6	37.0





#5

2-Fluorophenol

Concen: 69.437 ng/mL

RT: 5.36 min Scan# 557

Delta R.T. 0.09 min

Lab File: BF114941.D

Acq: 11 Jun 2019 12:59

Instrument :

BNA_F

ClientSampled :

MW-1A

Tot Ion: 112 Resp: 821659

Ion Ratio Lower Upper

112 100

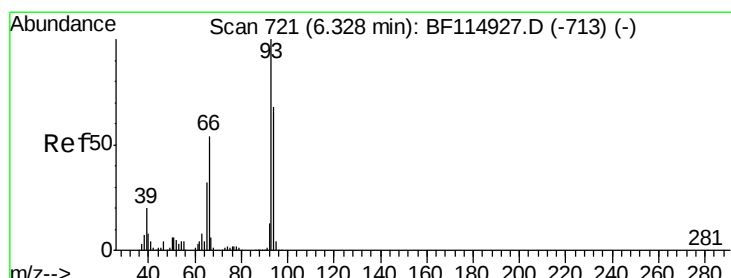
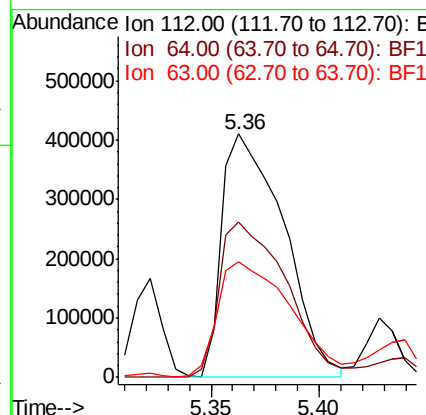
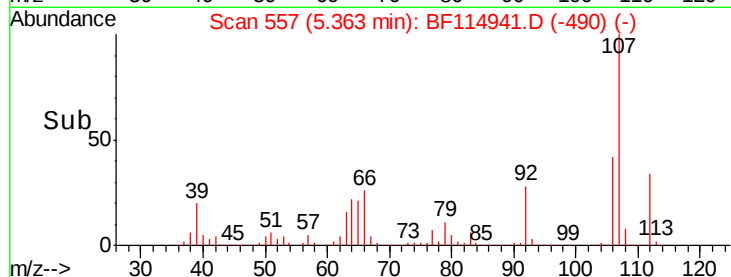
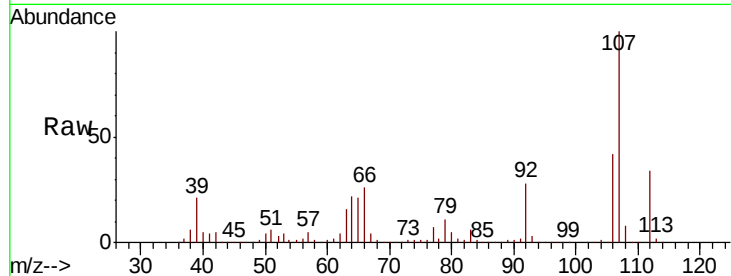
64 64.0 42.1 63.1#

63 47.6 21.8 32.8#

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#6

Aniline

Concen: 114.623 ng/mL

RT: 6.35 min Scan# 725

Delta R.T. 0.02 min

Lab File: BF114941.D

Acq: 11 Jun 2019 12:59

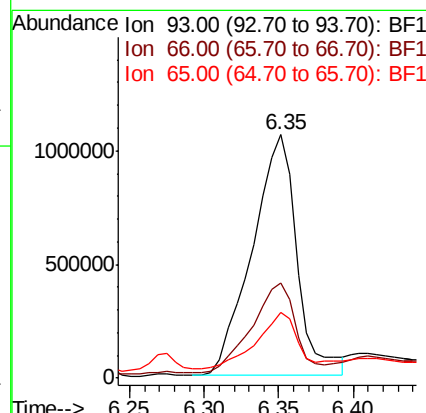
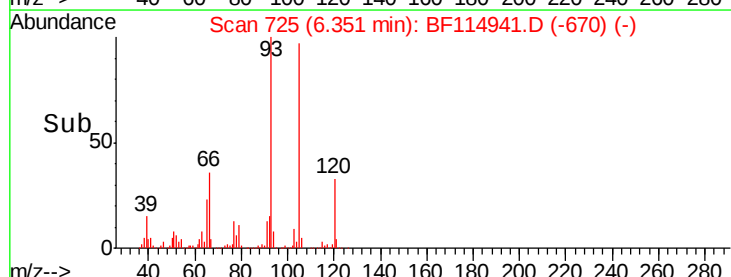
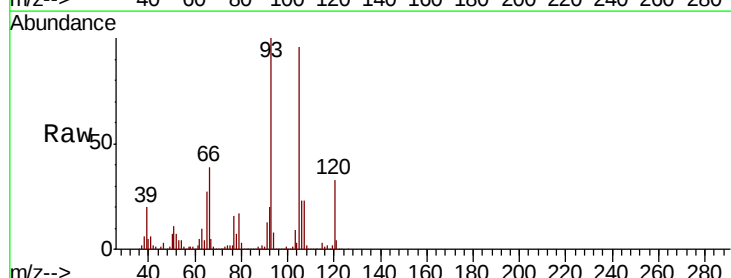
Tgt Ion: 93 Resp: 2216091

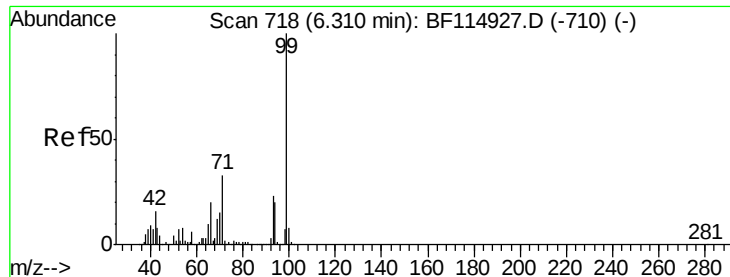
Ion Ratio Lower Upper

93 100

66 39.2 43.6 65.4#

65 27.0 25.7 38.5





#7

Phenol-d6

Concen: 40.623 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.09 min

Lab File: BF114941.D

Acq: 11 Jun 2019 12:59

Instrument :

BNA_F

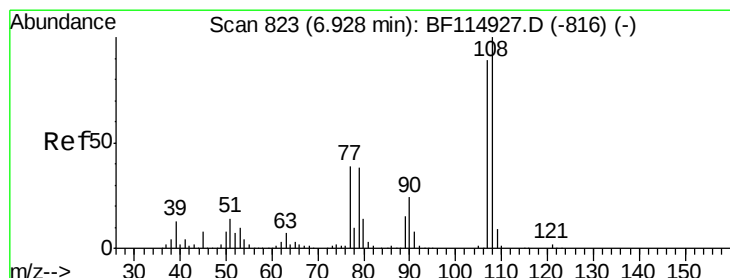
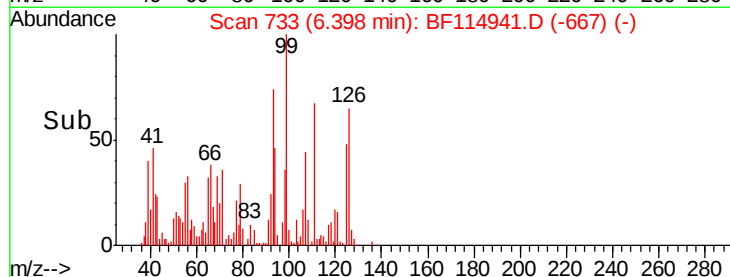
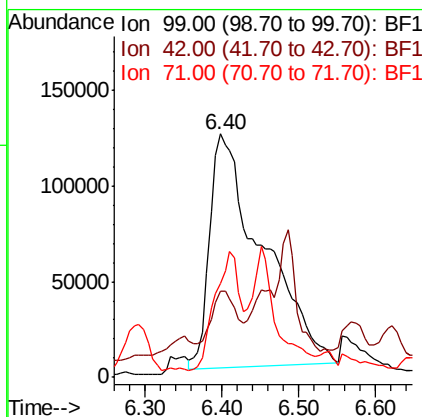
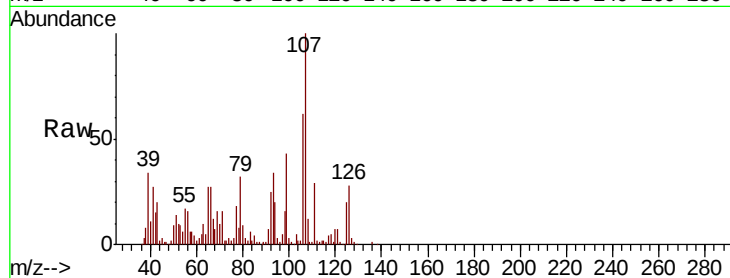
ClientSampleId :

MW-1A

Tot Ion:	99	Resp:	579813
Ion Ratio	Lower	Upper	
99	100		
42	35.6	13.1	19.7#
71	38.4	26.8	40.2

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#17

2-Methylphenol

Concen: 199.776 ng m

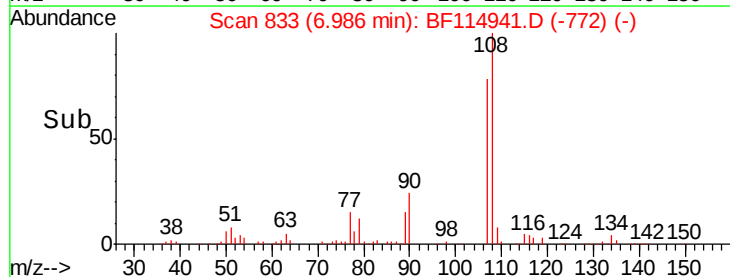
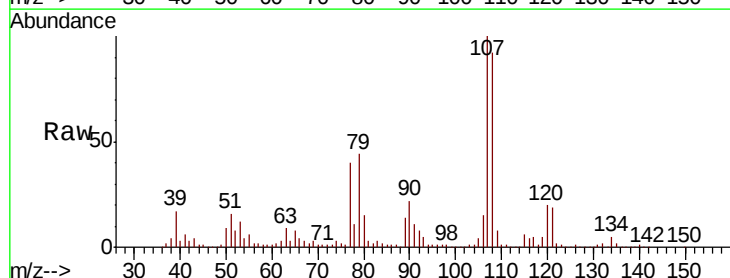
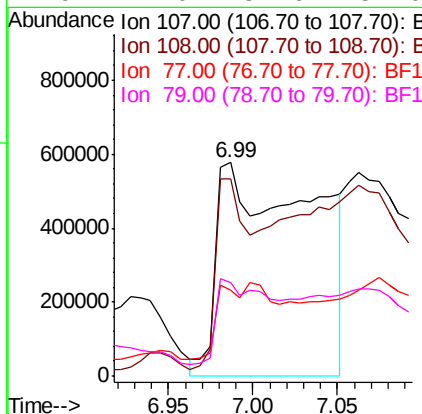
RT: 6.99 min Scan# 833

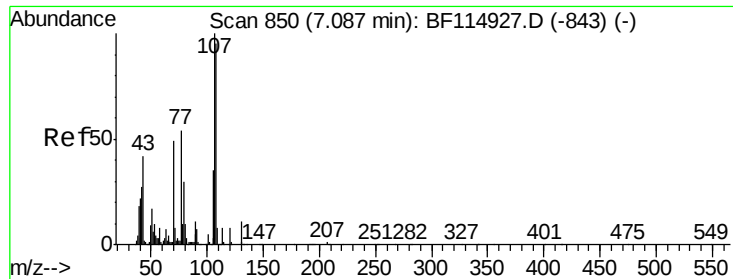
Delta R.T. 0.06 min

Lab File: BF114941.D

Acq: 11 Jun 2019 12:59

Tgt Ion:	107	Resp:	2259042
Ion Ratio	Lower	Upper	
107	100		
108	92.2	90.2	135.2
77	40.0	35.4	53.0
79	44.0	34.6	52.0





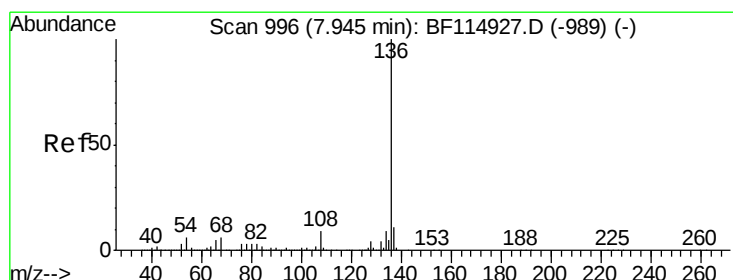
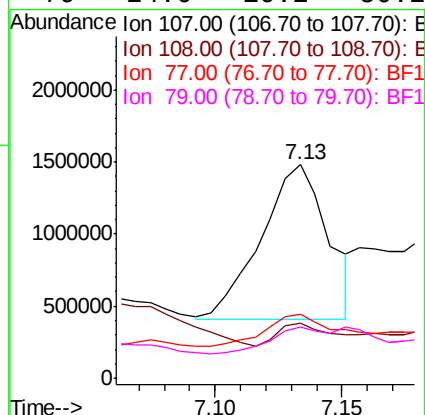
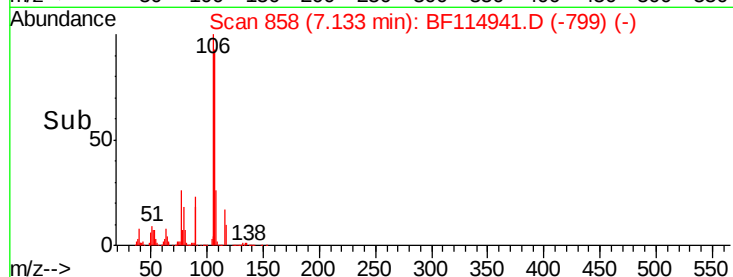
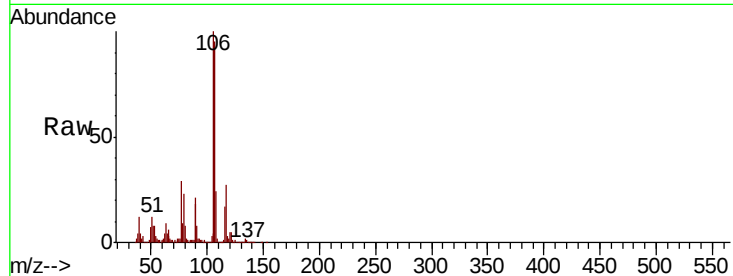
#20
3+4-Methylphenols
Concen: 154.149 ng m
RT: 7.13 min Scan# 858
Delta R.T. 0.05 min
Lab File: BF114941.D
Acq: 11 Jun 2019 12:59

Instrument :
BNA_F
ClientSampleId :
MW-1A

Tot Ion	Ratio	Lower	Upper
107	100		
108	25.6	74.7	114.7#
77	30.3	33.7	73.7#
79	24.0	10.2	50.2

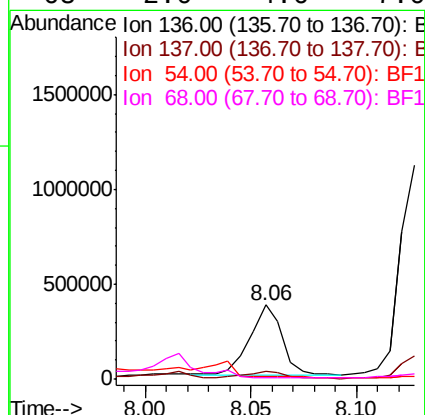
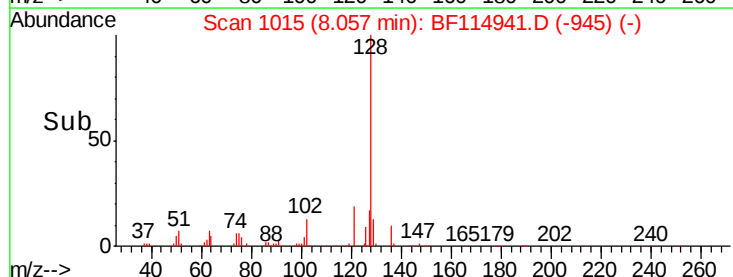
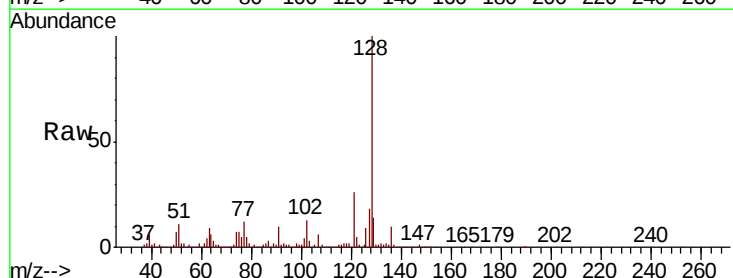
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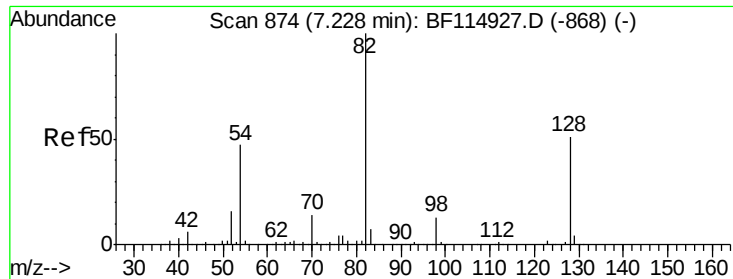
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. 0.11 min
Lab File: BF114941.D
Acq: 11 Jun 2019 12:59

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	3.0	5.2	7.8#
68	2.0	4.6	7.0#





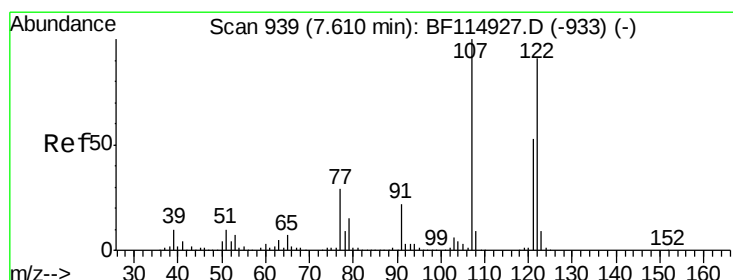
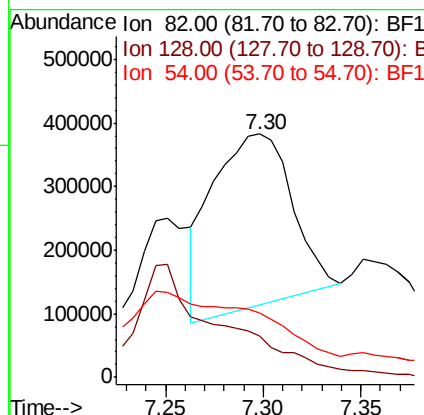
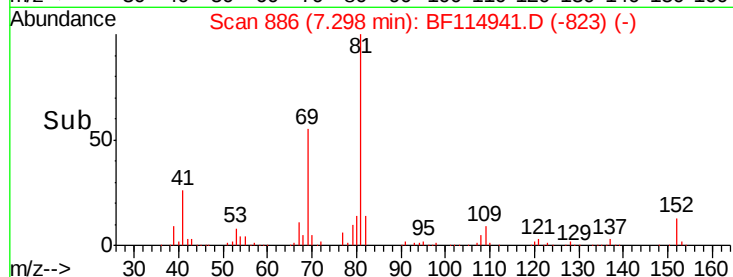
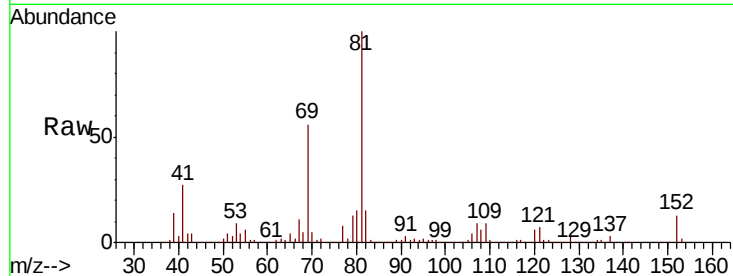
#23
Nitrobenzene-d5
Concen: 123.157 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.07 min
Lab File: BF114941.D
Acq: 11 Jun 2019 12:59

Instrument :
BNA_F
ClientSampled :
MW-1A

Tot Ion	Ratio	Lower	Upper
82	100		
128	17.1	40.9	61.3#
54	26.6	37.4	56.0#

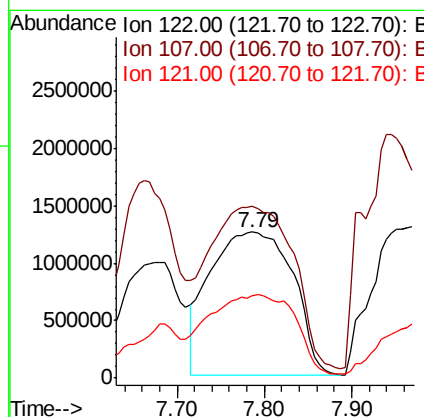
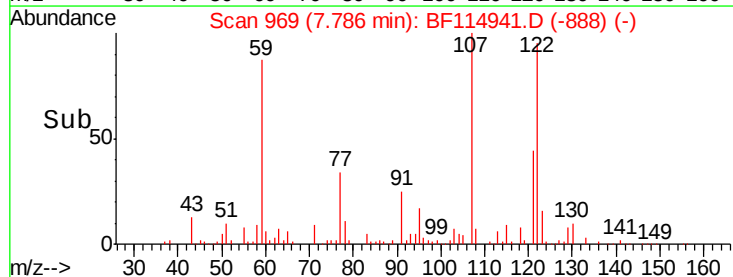
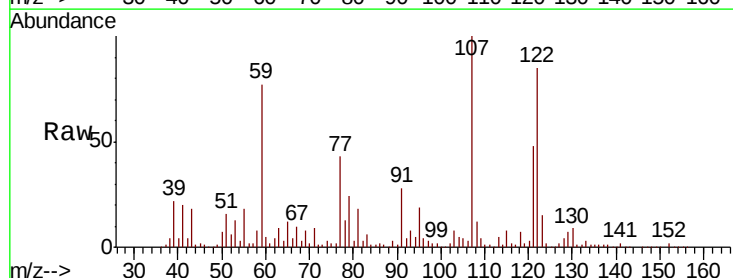
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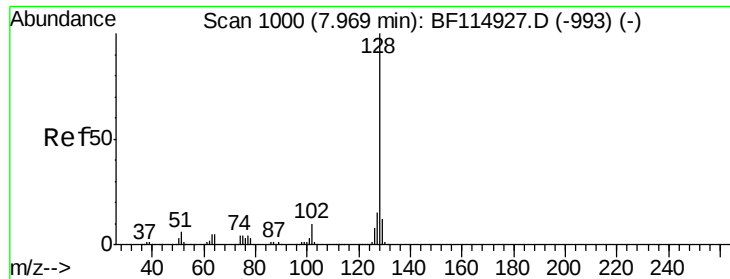
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#27
2,4-Dimethylphenol
Concen: 1534.044 ng
RT: 7.79 min Scan# 969
Delta R.T. 0.18 min
Lab File: BF114941.D
Acq: 11 Jun 2019 12:59

Tgt Ion	Ratio	Lower	Upper
122	100		
107	117.4	88.0	132.0
121	56.6	47.0	70.6





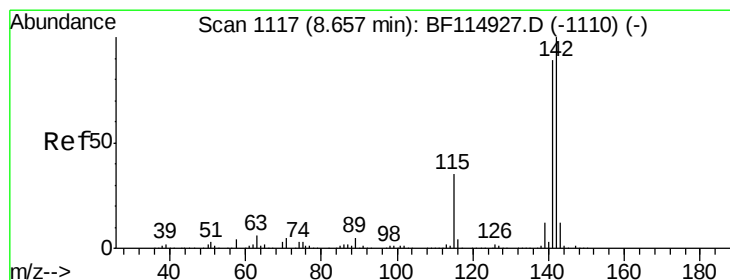
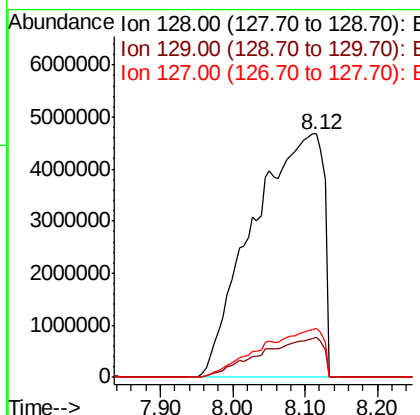
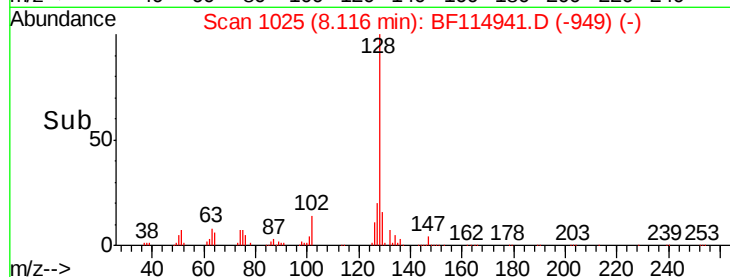
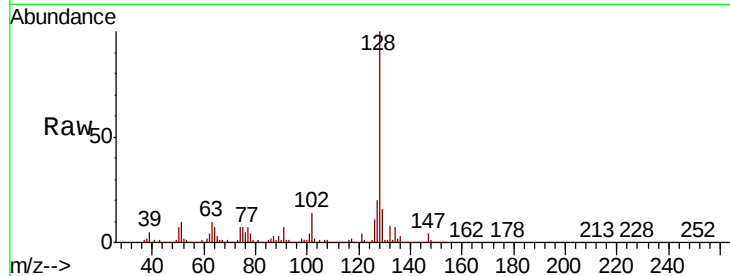
#31
Naphthalene
Concen: 1775.180 ng m
RT: 8.12 min Scan# 1025
Delta R.T. 0.15 min
Lab File: BF114941.D
Acq: 11 Jun 2019 12:59

Instrument :
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Tot Ion:128 Resp:31510397
Ion Ratio Lower Upper
128 100
129 16.5 9.8 14.8#
127 20.0 11.8 17.6#

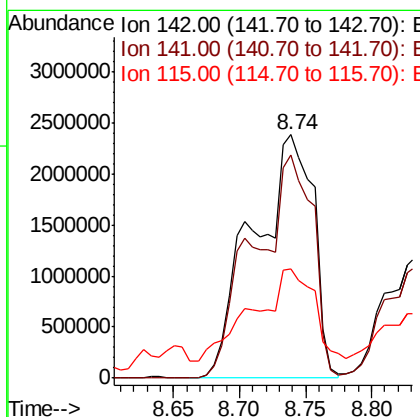
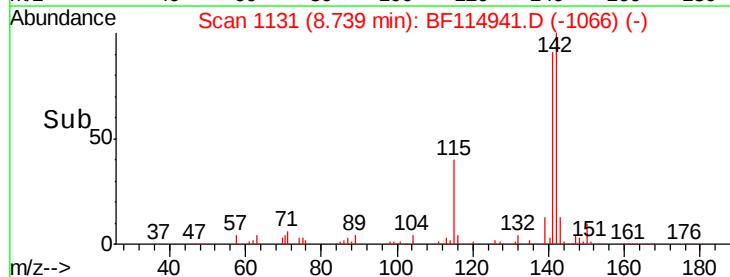
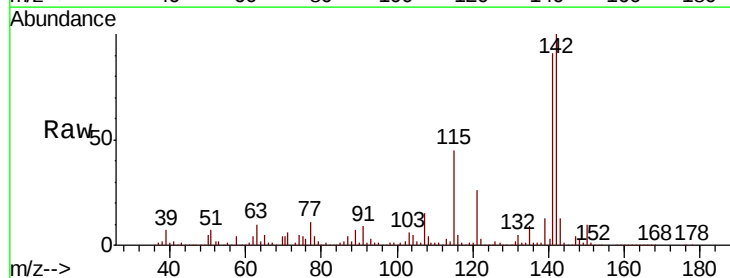
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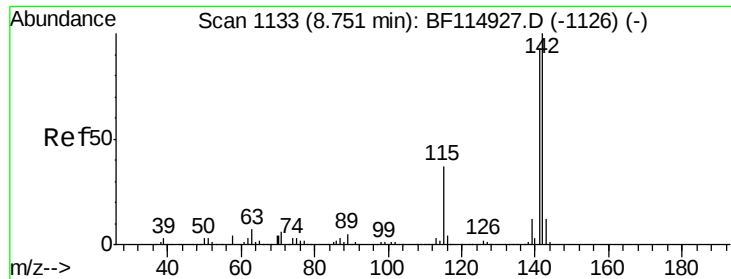
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#37
2-Methylnaphthalene
Concen: 619.396 ng m
RT: 8.74 min Scan# 1131
Delta R.T. 0.08 min
Lab File: BF114941.D
Acq: 11 Jun 2019 12:59

Tgt Ion:142 Resp: 7471250
Ion Ratio Lower Upper
142 100
141 91.4 71.1 106.7
115 44.7 27.8 41.6#





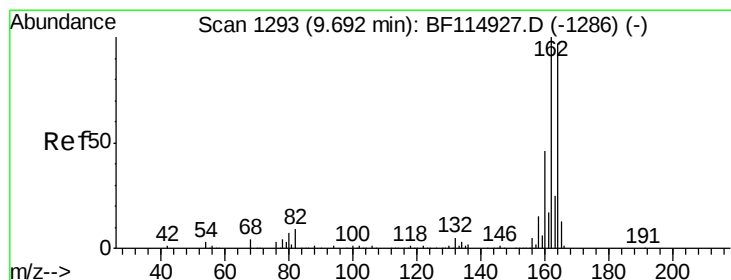
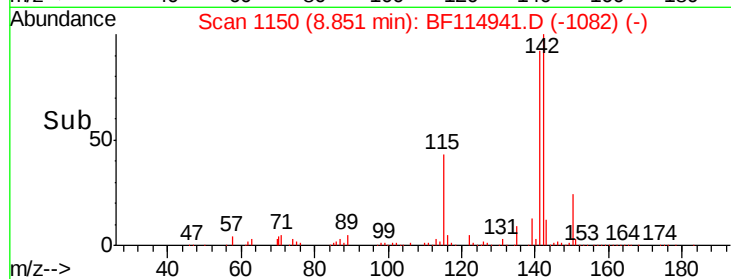
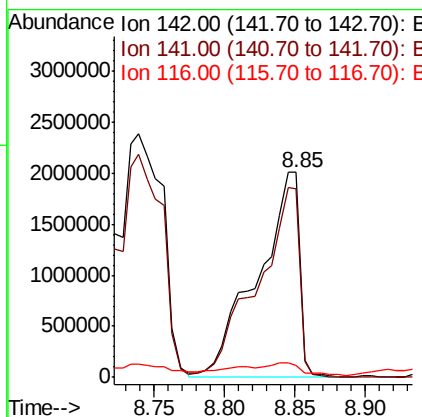
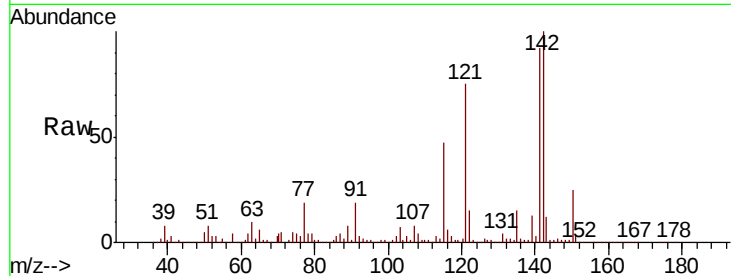
#38
1-Methylnaphthalene
Concen: 364.725 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.10 min
Lab File: BF114941.D
Acq: 11 Jun 2019 12:59

Instrument :
BNA_F
ClientSampleId :
MW-1A

Tot Ion:142 Resp: 4160817
Ion Ratio Lower Upper
142 100
141 92.2 73.7 110.5
116 5.8 3.1 4.7#

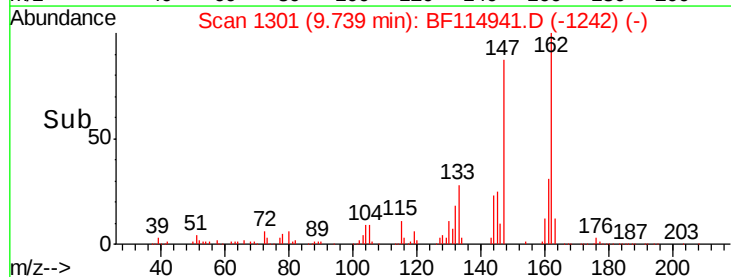
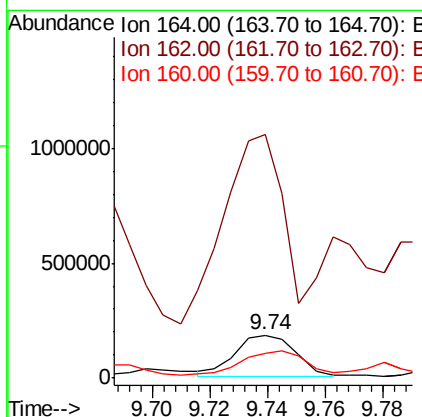
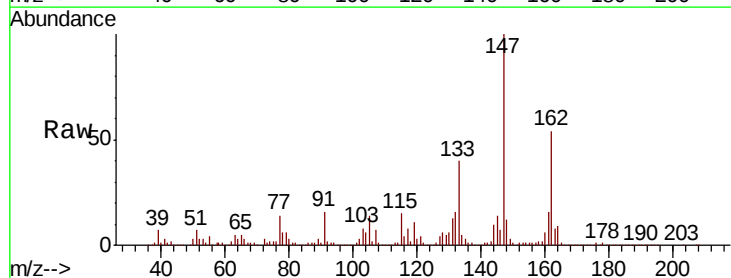
Manual Integrations
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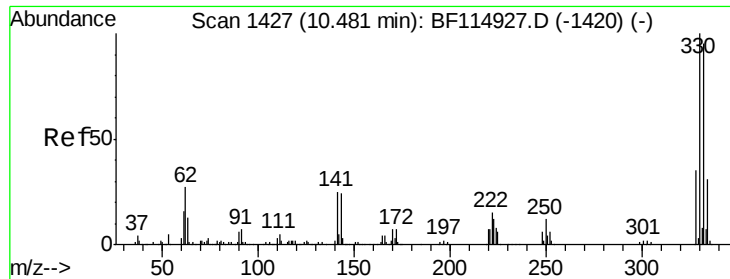
mohammad
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#39
Acenaphthene-d10
Concen: 20.000 ng m
RT: 9.74 min Scan# 1301
Delta R.T. 0.05 min
Lab File: BF114941.D
Acq: 11 Jun 2019 12:59

Tgt Ion:164 Resp: 255607
Ion Ratio Lower Upper
164 100
162 569.2 82.4 123.6#
160 58.2 37.5 56.3#





#42

2,4,6-Tribromophenol

Concen: 186.341 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.04 min

Lab File: BF114941.D

Acq: 11 Jun 2019 12:59

Instrument :

BNA_F

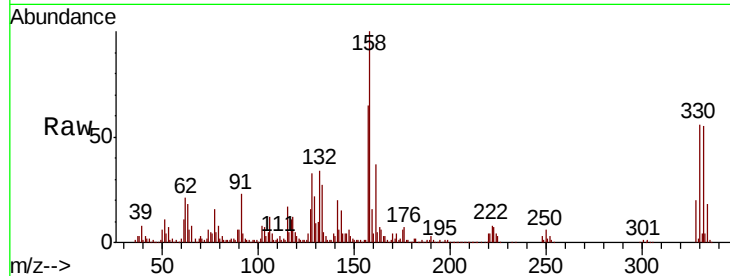
ClientSampled :

MW-1A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	518124		
332	97.6	76.4	114.6	
141	78.4	26.8	40.2	

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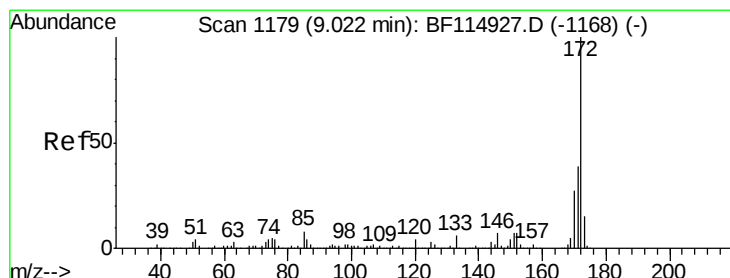
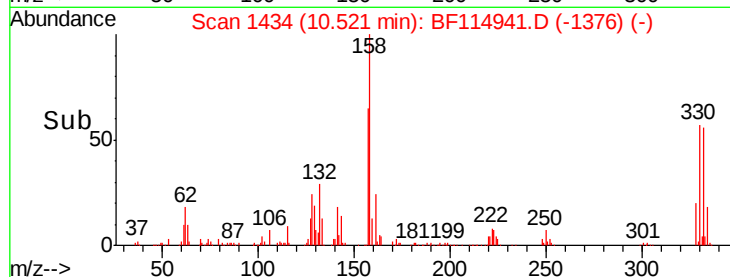
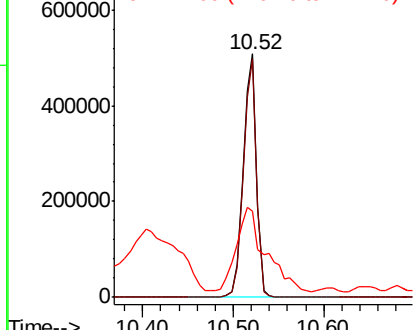


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 94.727 ng

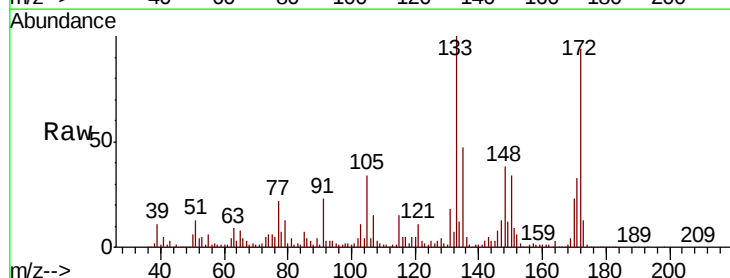
RT: 9.07 min Scan# 1188

Delta R.T. 0.05 min

Lab File: BF114941.D

Acq: 11 Jun 2019 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1525643		
171	35.6	31.3	46.9	
170	24.4	21.4	32.0	

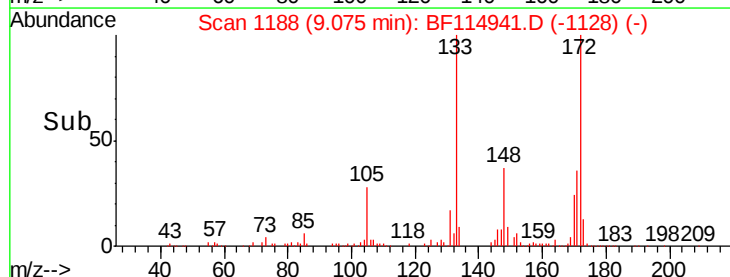
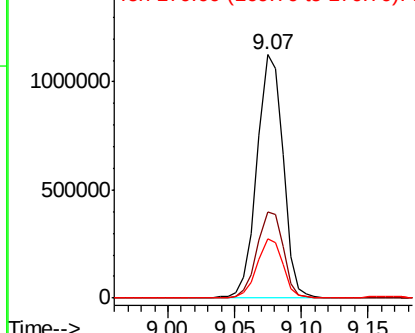


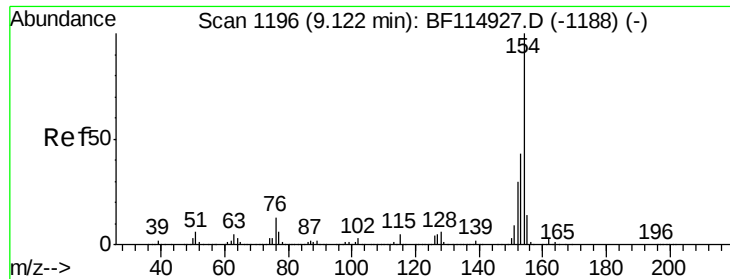
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





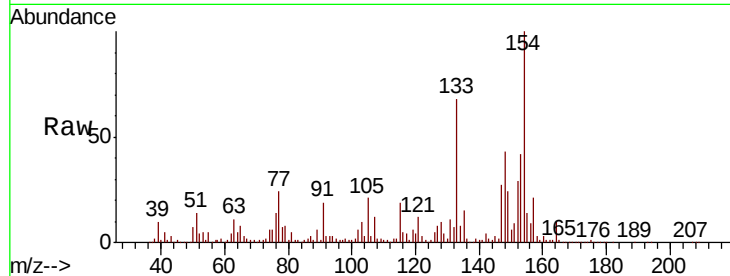
#46
 1,1'-Biphenyl
 Concen: 106.177 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.06 min
 Lab File: BF114941.D
 Acq: 11 Jun 2019 12:59

Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.9	22.8	62.8
76	14.4	0.0	33.0

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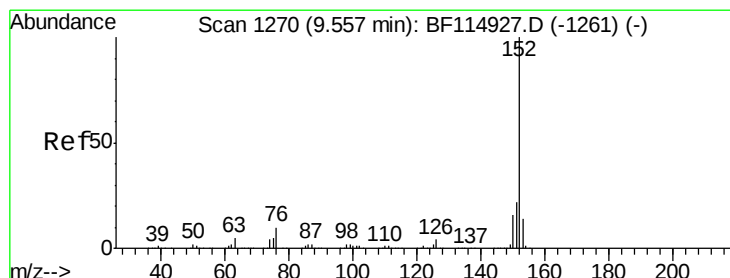
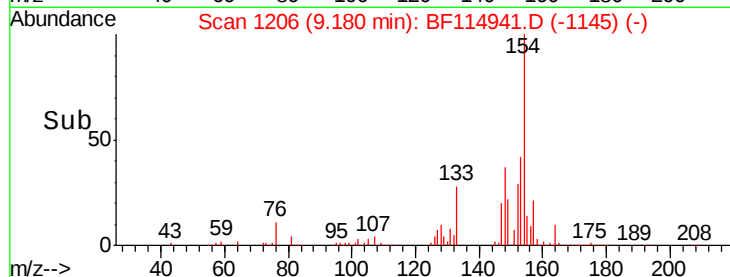
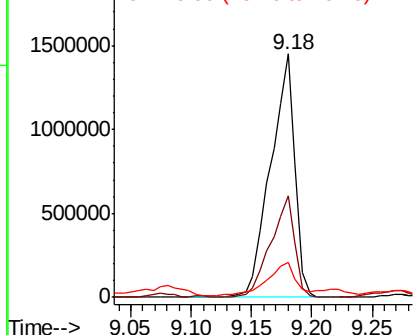


Abundance

Ion 154.00 (153.70 to 154.70): E

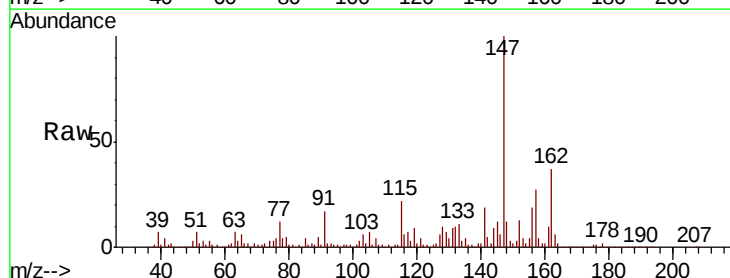
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#49
 Acenaphthylene
 Concen: 9.349 ng m
 RT: 9.61 min Scan# 1279
 Delta R.T. 0.05 min
 Lab File: BF114941.D
 Acq: 11 Jun 2019 12:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	24.2	17.6	26.4
153	26.8	11.4	17.0

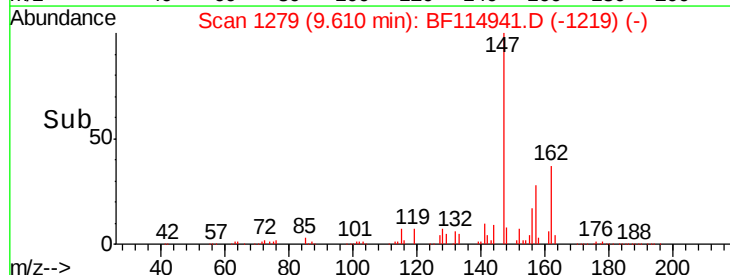
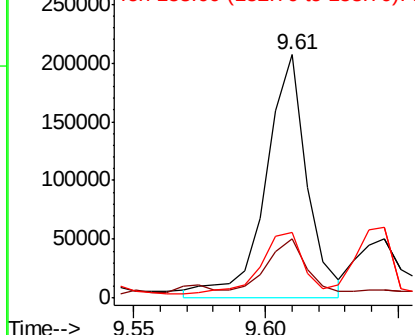


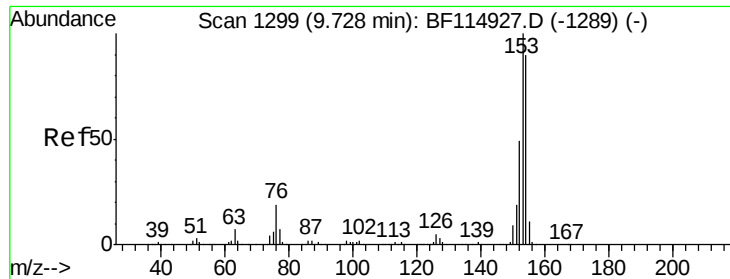
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#52

Acenaphthene

Concen: 141.535 ng

RT: 9.78 min Scan# 1308

Delta R.T. 0.05 min

Lab File: BF114941.D

Acq: 11 Jun 2019 12:59

Instrument :

BNA_F

ClientSampleId :

MW-1A

Tot Ion:154 Resp: 2039772

Ion Ratio Lower Upper

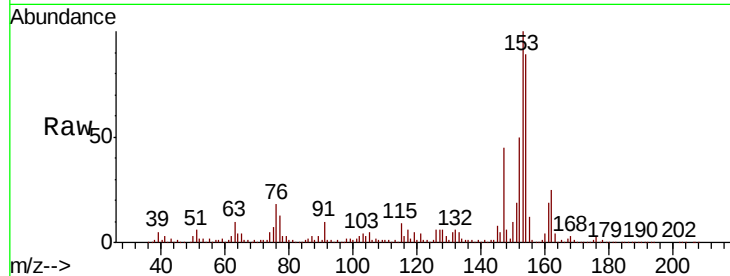
154 100

153 111.9 89.1 133.7

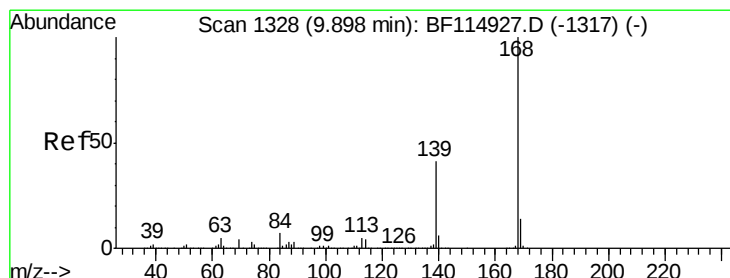
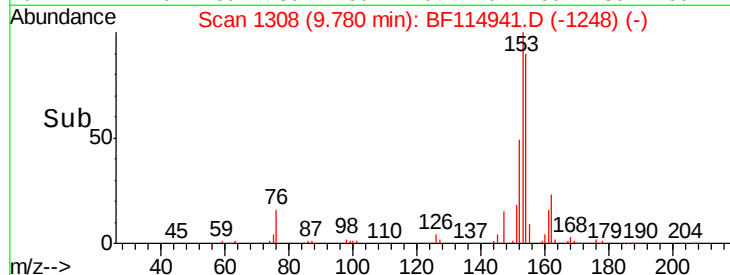
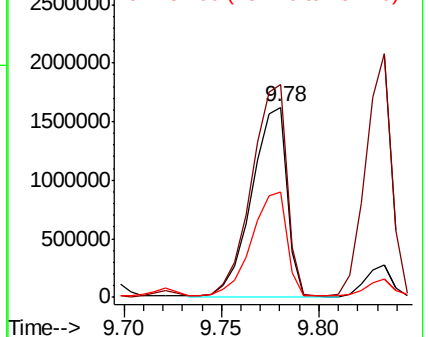
152 55.6 43.8 65.6

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 97.133 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.05 min

Lab File: BF114941.D

Acq: 11 Jun 2019 12:59

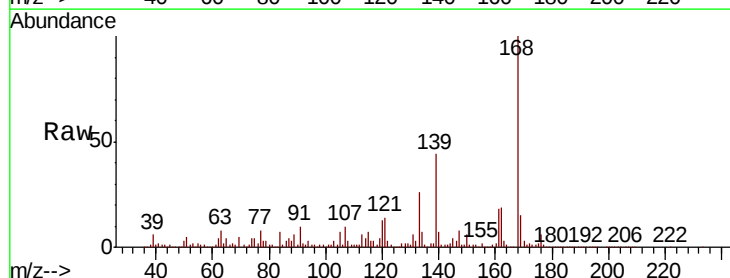
Tgt Ion:168 Resp: 1998281

Ion Ratio Lower Upper

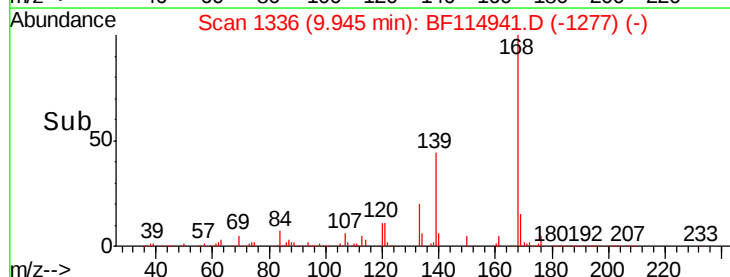
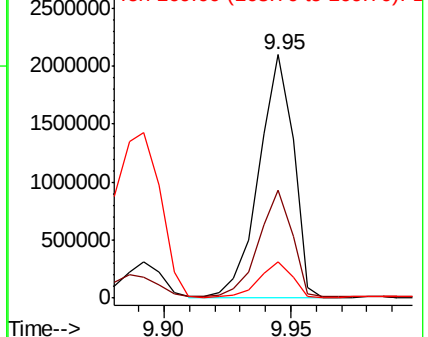
168 100

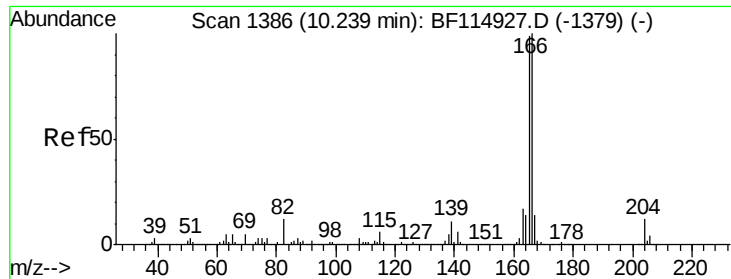
139 44.3 33.0 49.4

169 14.6 11.6 17.4



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





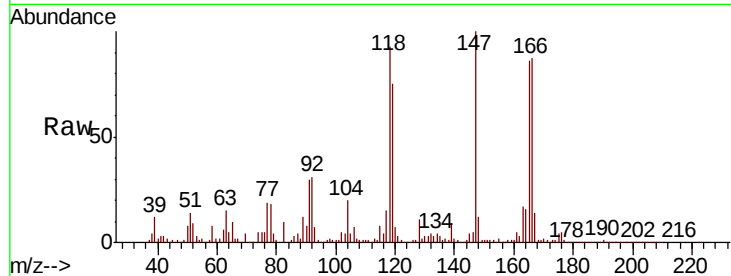
#58
 Fluorene
 Concen: 63.849 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. 0.03 min
 Lab File: BF114941.D
 Acq: 11 Jun 2019 12:59

Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.2	118.8
167	16.4	11.0	16.6

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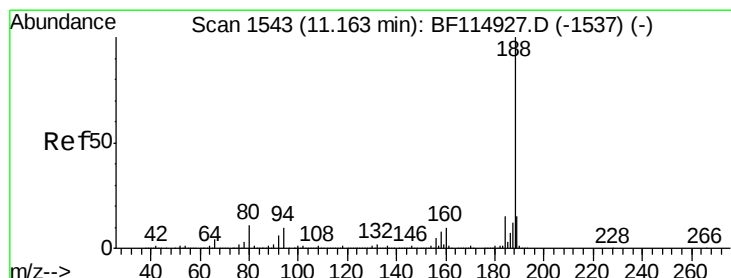
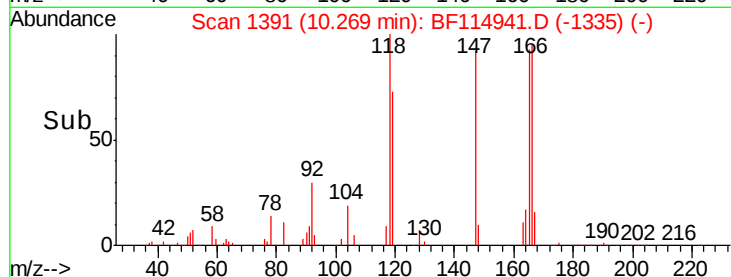
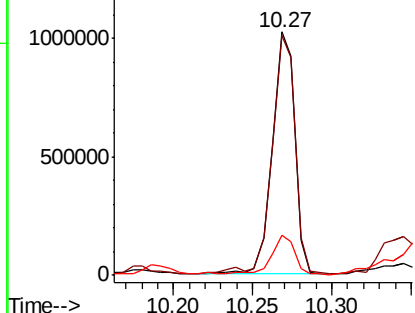


Abundance

Ion 166.00 (165.70 to 166.70): E

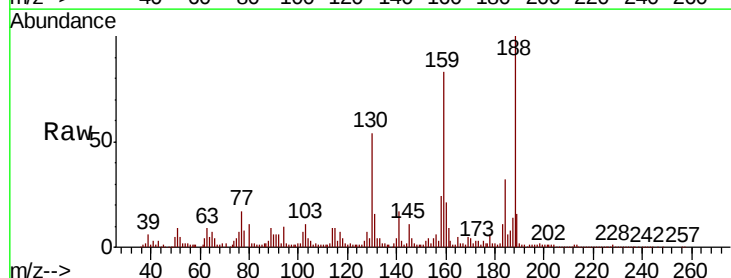
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. 0.02 min
 Lab File: BF114941.D
 Acq: 11 Jun 2019 12:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.1	12.1
80	11.2	8.6	12.8

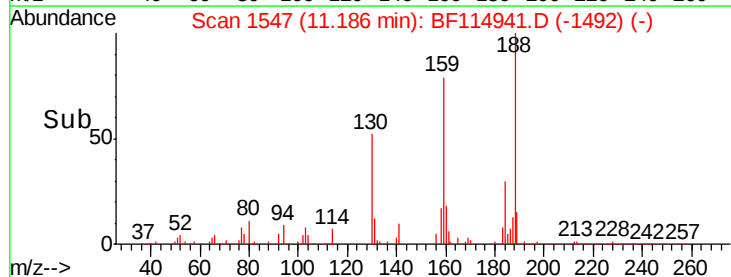
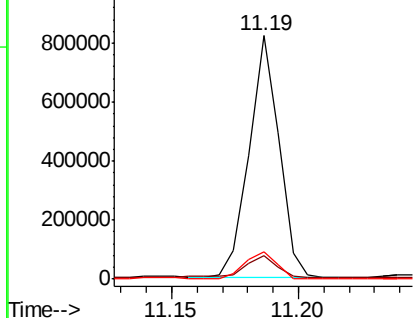


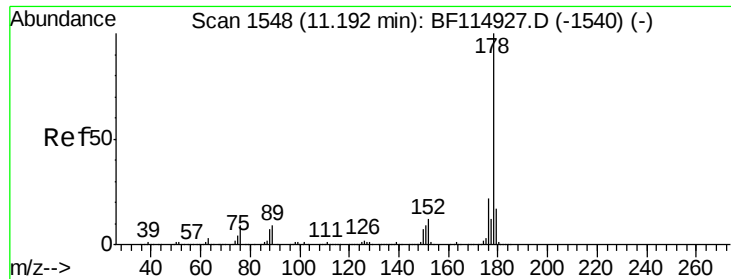
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





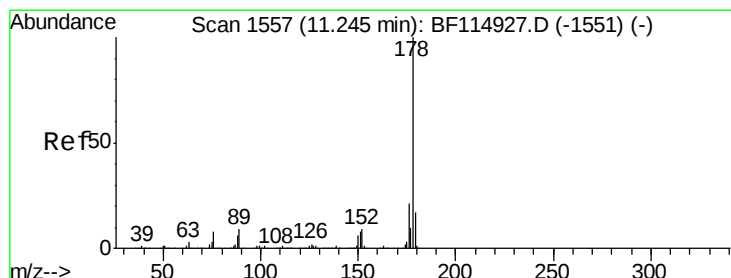
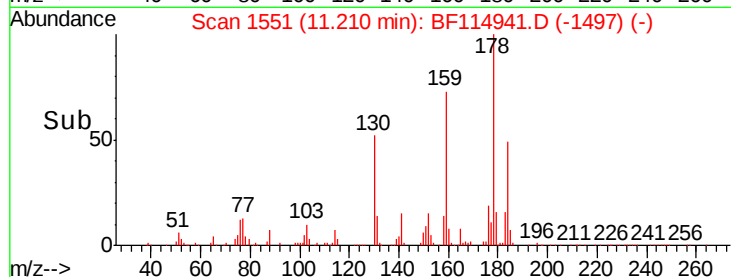
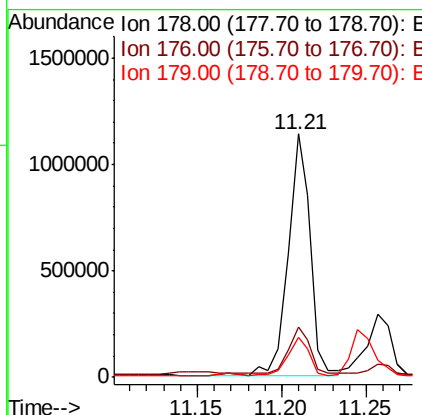
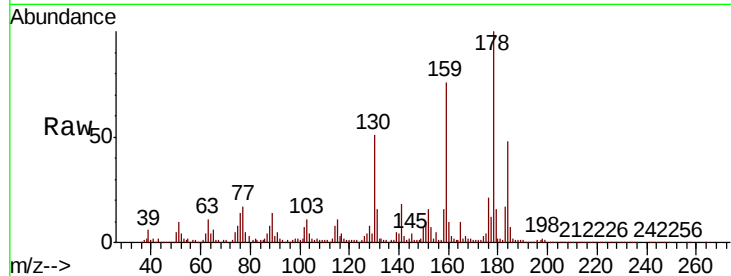
#71
Phenanthrene
Concen: 31.341 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.02 min
Lab File: BF114941.D
Acq: 11 Jun 2019 12:59

Instrument :
BNA_F
ClientSampleId :
MW-1A

Tot Ion:178 Resp: 1029460
Ion Ratio Lower Upper
178 100
176 20.7 17.4 26.2
179 16.3 13.6 20.4

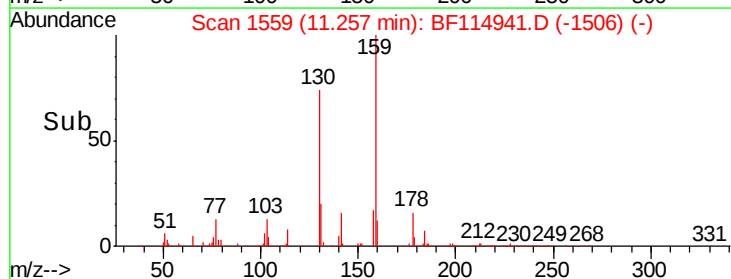
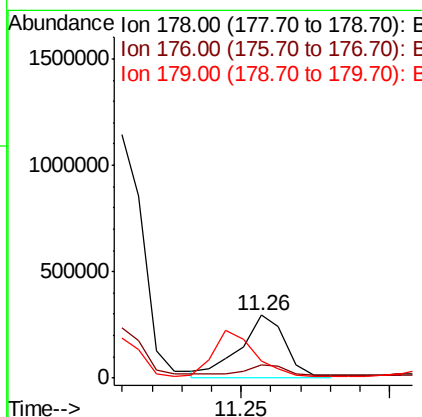
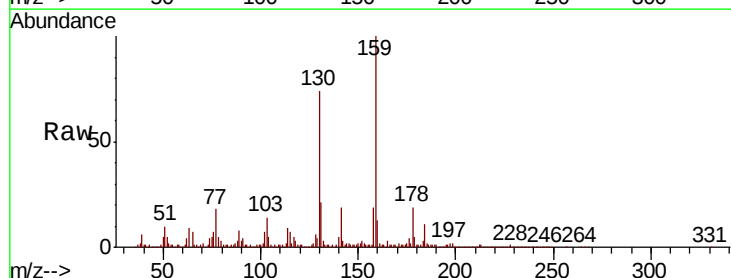
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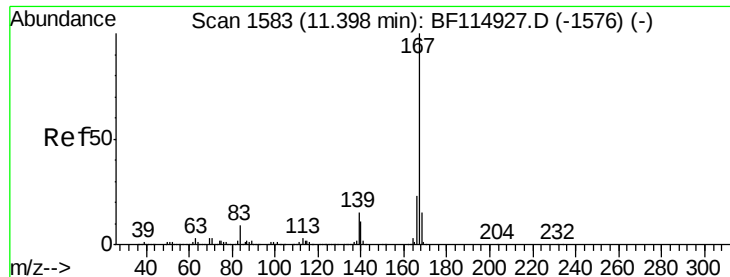
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#72
Anthracene
Concen: 9.575 ng m
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF114941.D
Acq: 11 Jun 2019 12:59

Tgt Ion:178 Resp: 319211
Ion Ratio Lower Upper
178 100
176 21.7 16.6 25.0
179 26.6 13.4 20.2#





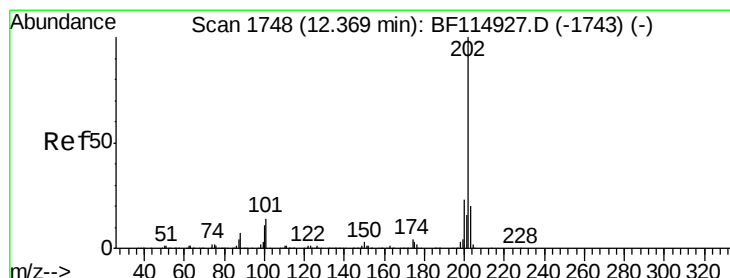
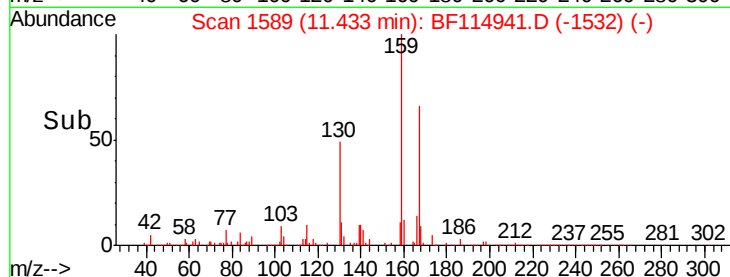
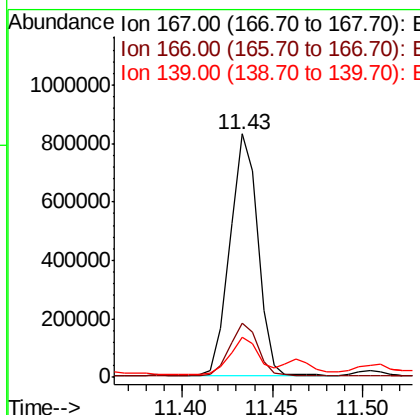
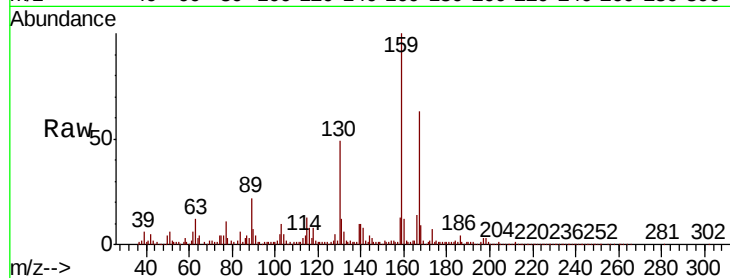
#73
 Carbazole
 Concen: 29.141 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.04 min
 Lab File: BF114941.D
 Acq: 11 Jun 2019 12:59

Instrument :
 BNA_F
 ClientSampled :
 MW-1A

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	18.8	28.2
139	16.2	11.6	17.4

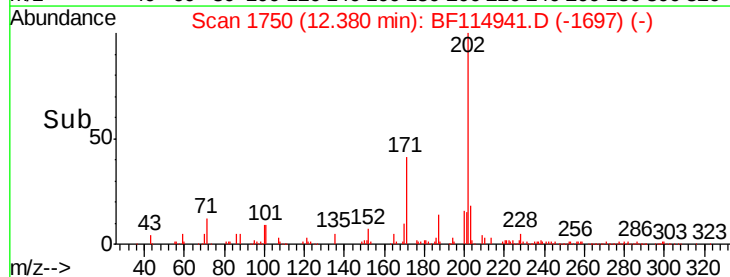
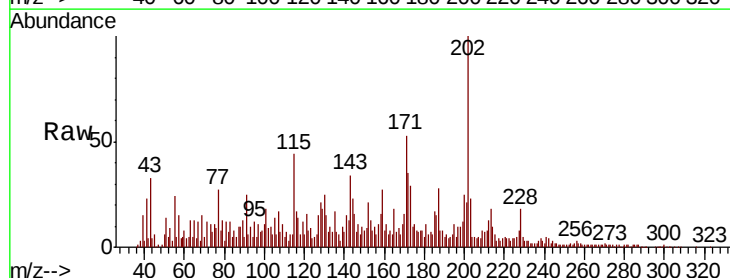
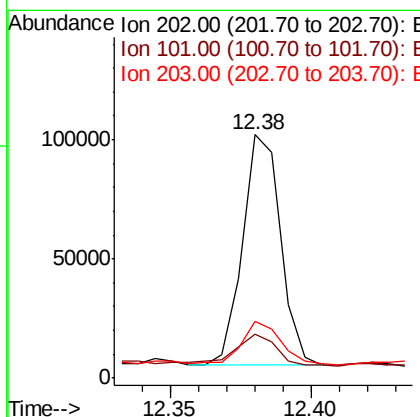
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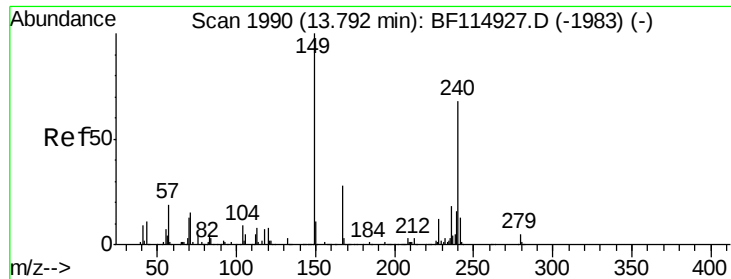
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#75
 Fluoranthene
 Concen: 2.643 ng
 RT: 12.38 min Scan# 1750
 Delta R.T. 0.01 min
 Lab File: BF114941.D
 Acq: 11 Jun 2019 12:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.2	0.0	34.3
203	23.3	0.0	39.6





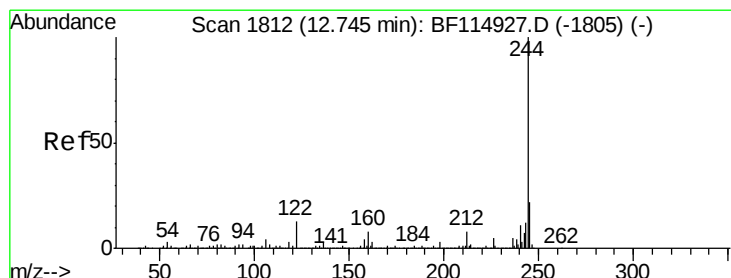
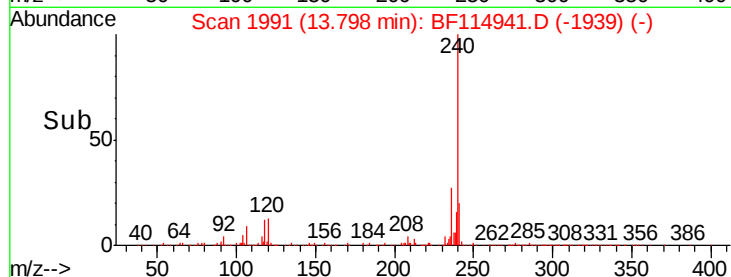
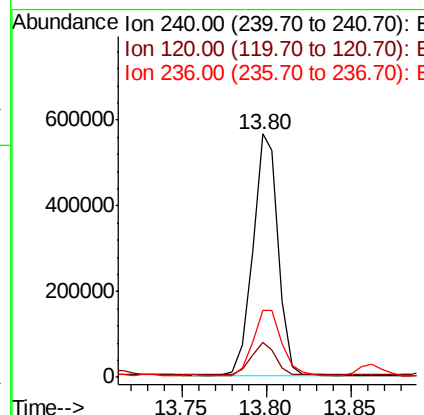
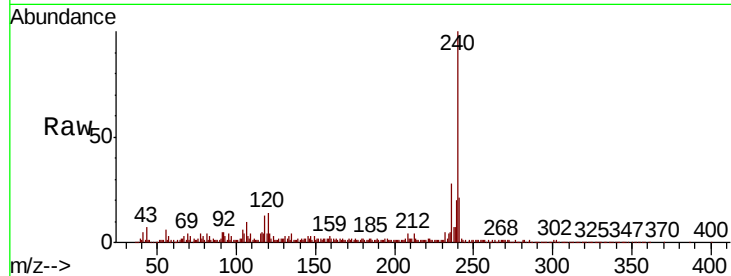
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 13.80 min Scan# 1991
 Delta R.T. 0.01 min
 Lab File: BF114941.D
 Acq: 11 Jun 2019 12:59

Instrument :
 BNA_F
 ClientSampleId :
 MW-1A

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.2	9.2	13.8#
236	27.6	21.7	32.5

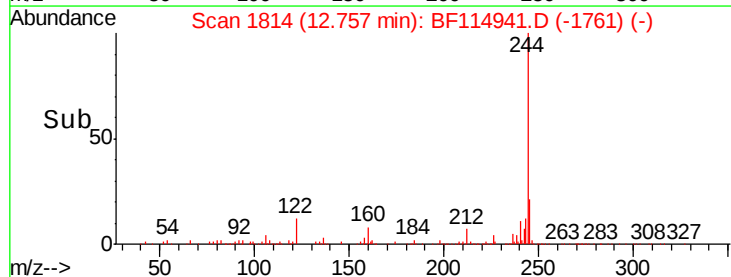
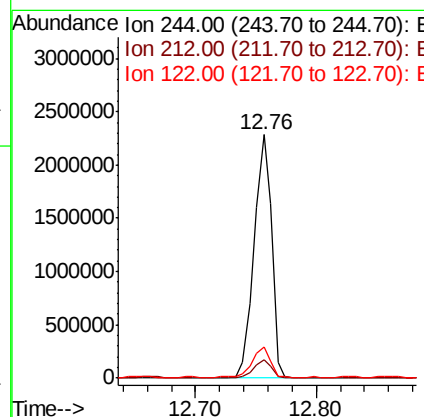
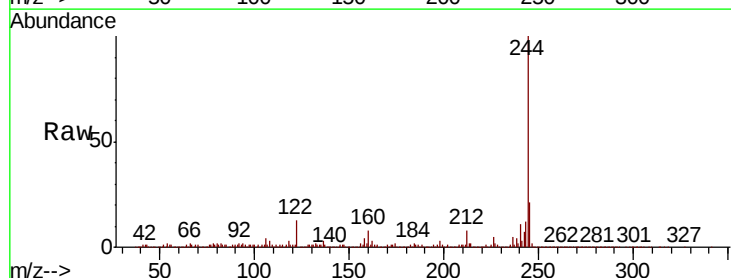
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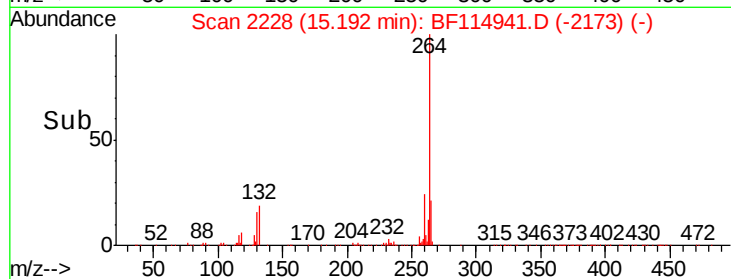
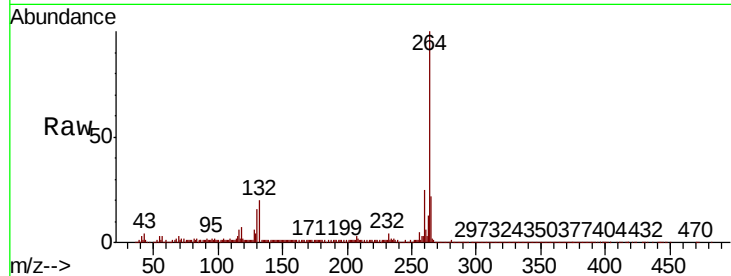
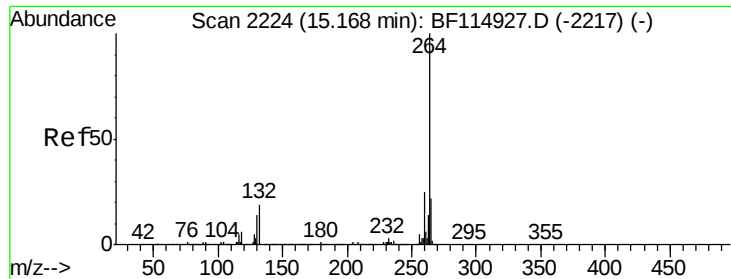
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#79
 Terphenyl-d14
 Concen: 78.931 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. 0.01 min
 Lab File: BF114941.D
 Acq: 11 Jun 2019 12:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	12.7	10.2	15.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2228
Delta R.T. 0.02 min
Lab File: BF114941.D
Acq: 11 Jun 2019 12:59

Instrument :
BNA_F
ClientSampleId :
MW-1A

Tot Ion	Ratio	Resp	Lower	Upper
264	100	657543		
260	24.6		19.7	29.5
265	21.6		17.5	26.3

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