

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
 Data File : BF115379.D
 Acq On : 3 Jul 2019 00:00
 Operator : HP/JU
 Sample : K3605-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GW

Manual Integrations
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mohammad
 7/3/2019 10:52:02 PM

Quant Time: Jul 03 07:32:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	219413	20.00	ng	0.02
21) Naphthalene-d8	7.90	136	98261	20.00	ng	0.02
39) Acenaphthene-d10	9.65	164	375596	20.00	ng	0.02
64) Phenanthrene-d10	11.12	188	511484	20.00	ng	0.03
76) Chrysene-d12	13.75	240	490642	20.00	ng	0.03
87) Perylene-d12	15.12	264	496990	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	225392	15.85	ng	0.05
7) Phenol-d6	6.29	99	444435	25.75	ng	0.05
23) Nitrobenzene-d5	7.18	82	1074945	672.96	ng	0.02
42) 2,4,6-Tribromophenol	10.44	330	337408	85.19	ng	0.04
45) 2-Fluorobiphenyl	8.98	172	1802793	81.53	ng	0.02
79) Terphenyl-d14	12.72	244	1566500	67.88	ng	0.04
Target Compounds						
2) 1,4-Dioxane	2.18	88	38262	5.702	ng	96
3) Pyridine	2.83	79	285920	15.118	ng	99
6) Aniline	6.30	93	853447	35.983	ng	# 81
10) Phenol	6.31	94	448582	22.191	ng	91
17) 2-Methylphenol	6.88	107	333616m	25.280	ng	
20) 3+4-Methylphenols	7.06	107	3057736m	200.666	ng	
22) Acetophenone	7.02	105	196548	87.373	ng	# 76
27) 2,4-Dimethylphenol	7.64	122	3472020	2440.129	ng	96
31) Naphthalene	8.04	128	35873330m	7437.382	ng	
37) 2-Methylnaphthalene	8.64	142	4580230	1408.356	ng	# 92
38) 1-Methylnaphthalene	8.74	142	3852704	1240.384	ng	# 98
46) 1,1'-Biophenyl	9.08	154	1469006	48.881	ng	99
49) Acenaphthylene	9.51	152	407128	10.719	ng	# 91
50) Dimethylphthalate	9.39	163	349294	12.640	ng	100
52) Acenaphthene	9.69	154	2252257	94.765	ng	98
55) Dibenzofuran	9.86	168	2740573	80.341	ng	93
58) Fluorene	10.20	166	1746538	82.373	ng	97
71) Phenanthrene	11.16	178	1868710	67.857	ng	100
72) Anthracene	11.20	178	422689m	15.205	ng	
73) Carbazole	11.37	167	2101224	84.647	ng	99
75) Fluoranthene	12.36	202	293025	10.664	ng	98
78) Pyrene	12.57	202	218593	5.797	ng	98

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

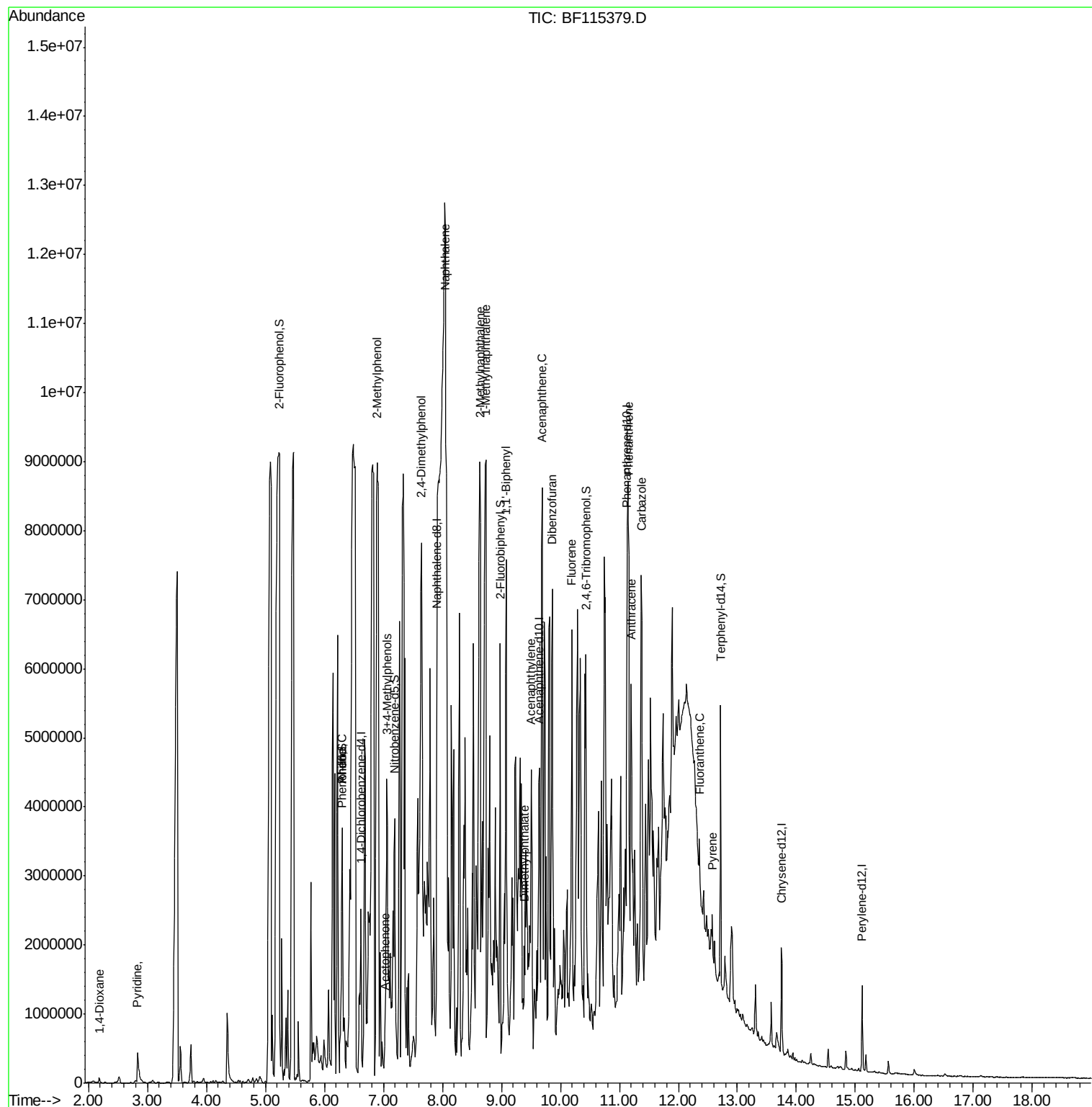
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
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ALS Vial : 21 Sample Multiplier: 1

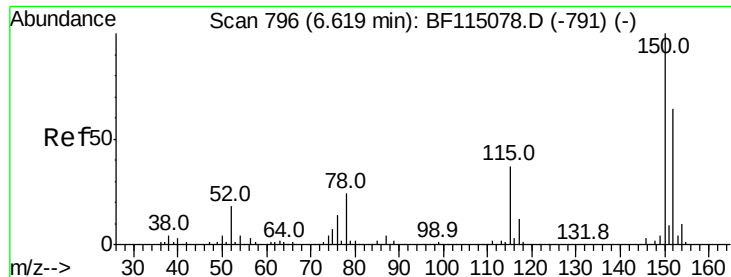
Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Manual Integrations
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QLast Update : Fri Jun 28 05:26:43 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.62 min Scan# 796

Delta R.T. 0.02 min

Lab File: BF115379.D

Acq: 3 Jul 2019 00:00

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GW

Tot Ion:152 Resp: 219413

Ion Ratio Lower Upper

152 100

150 154.3 124.2 186.2

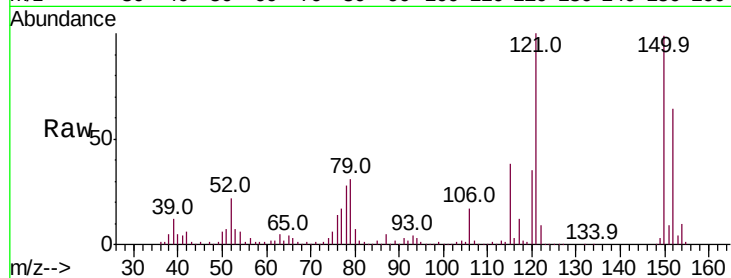
115 59.1 46.1 69.1

Manual Integrations

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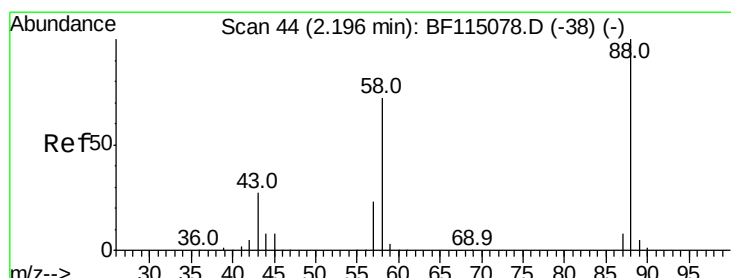
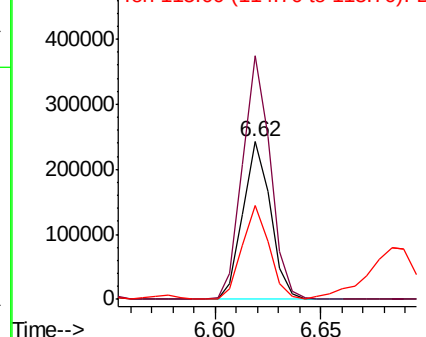
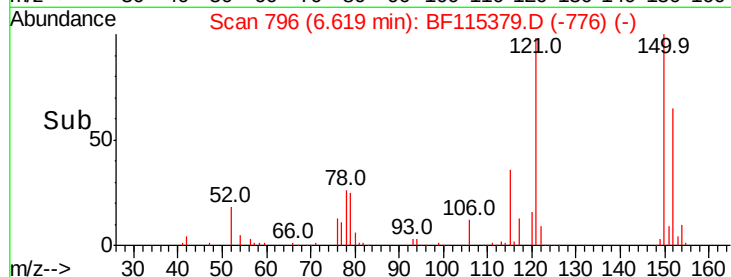


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 5.702 ng

RT: 2.18 min Scan# 42

Delta R.T. 0.03 min

Lab File: BF115379.D

Acq: 3 Jul 2019 00:00

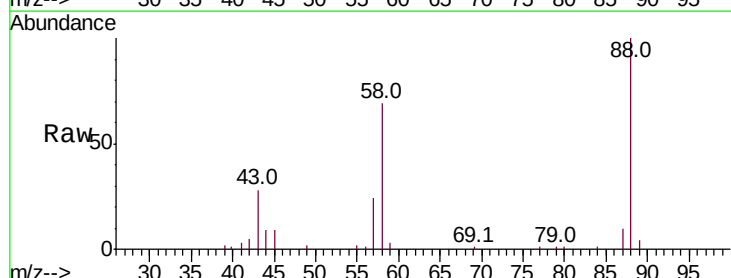
Tgt Ion: 88 Resp: 38262

Ion Ratio Lower Upper

88 100

58 68.2 56.1 84.1

43 31.8 21.3 31.9

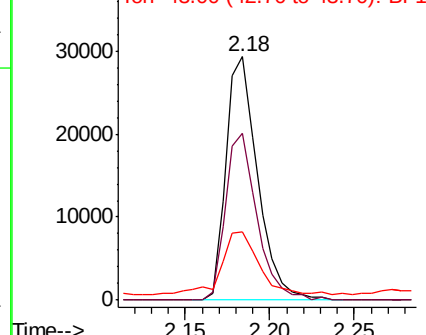
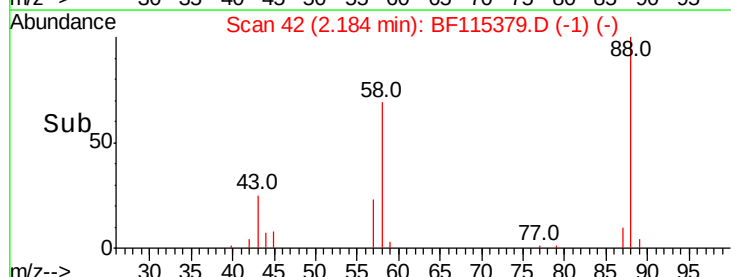


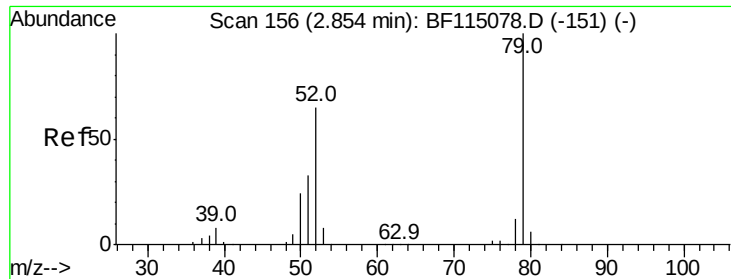
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





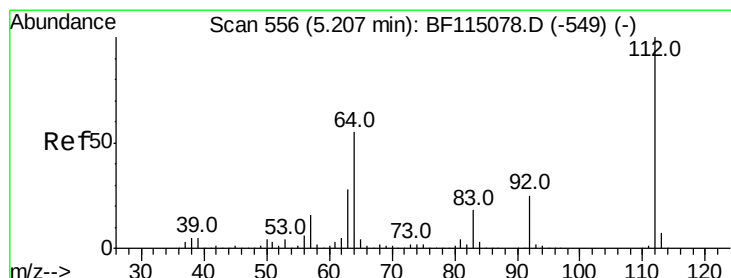
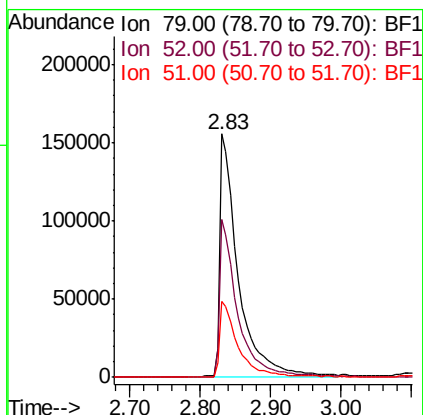
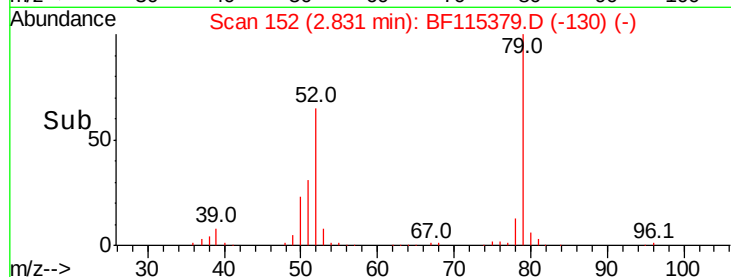
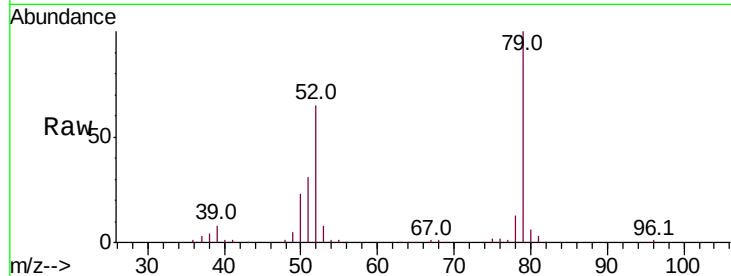
#3
 Pvridine
 Concen: 15.118 ng
 RT: 2.83 min Scan# 152
 Delta R.T. 0.03 min
 Lab File: BF115379.D
 Acq: 3 Jul 2019 00:00

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GW

Tot Ion	Ratio	Lower	Upper
79	100		
52	65.0	52.3	78.5
51	31.2	26.1	39.1

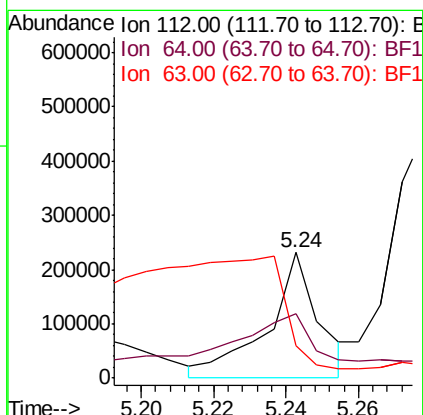
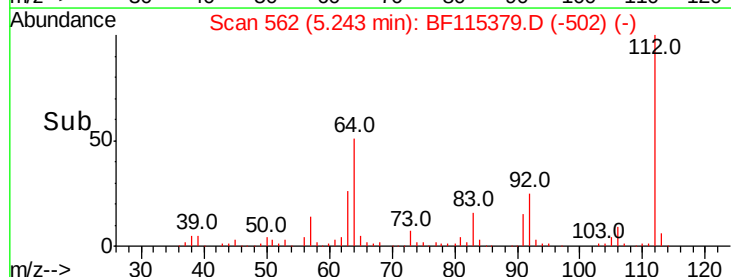
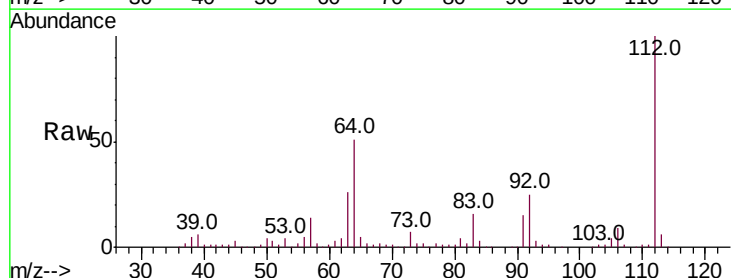
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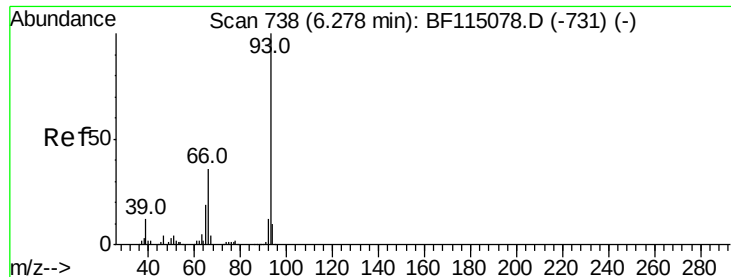
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#5
 2-Fluorophenol
 Concen: 15.852 ng
 RT: 5.24 min Scan# 562
 Delta R.T. 0.05 min
 Lab File: BF115379.D
 Acq: 3 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	43.8	65.6
63	25.9	22.2	33.4





#6

Aniline

Concen: 35.983 ng

RT: 6.30 min Scan# 741

Delta R.T. 0.04 min

Lab File: BF115379.D

Acq: 3 Jul 2019 00:00

Instrument :

BNA_F

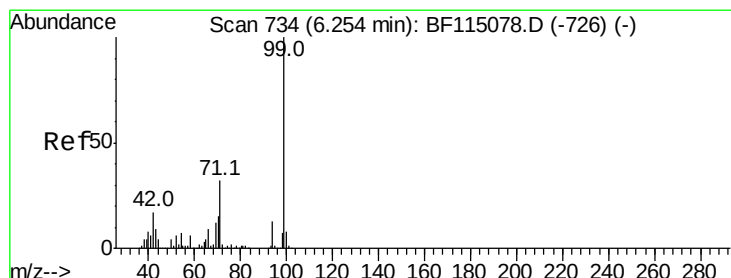
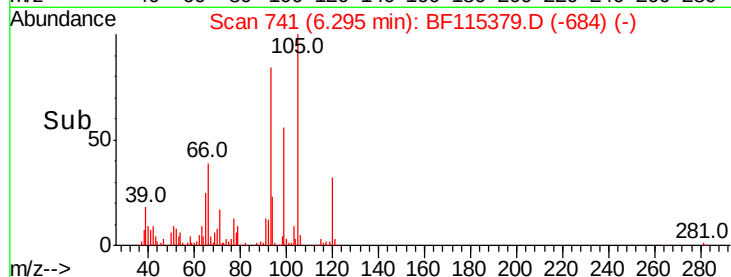
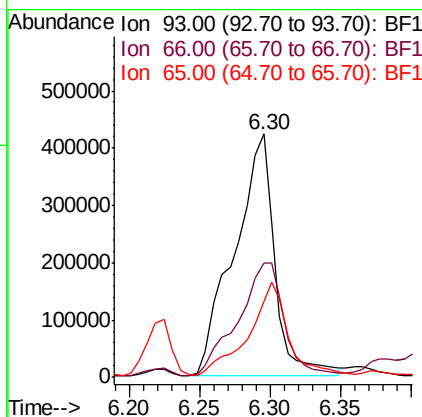
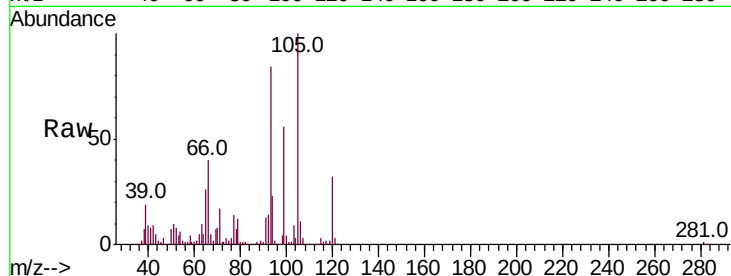
ClientSampleId :

QNWP8-MW26S-GW

Tot Ion:	93	Resp:	853447
Ion Ratio	Lower	Upper	
93	100		
66	46.9	30.0	45.0#
65	31.1	15.6	23.4#

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#7

Phenol-d6

Concen: 25.753 ng

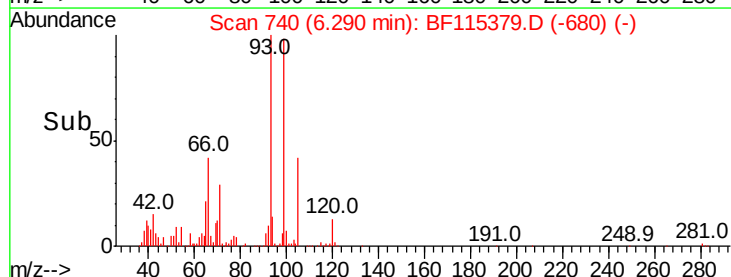
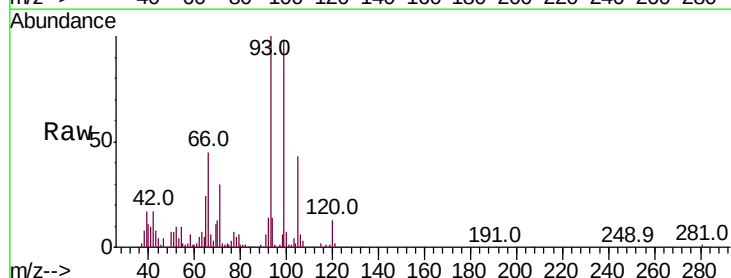
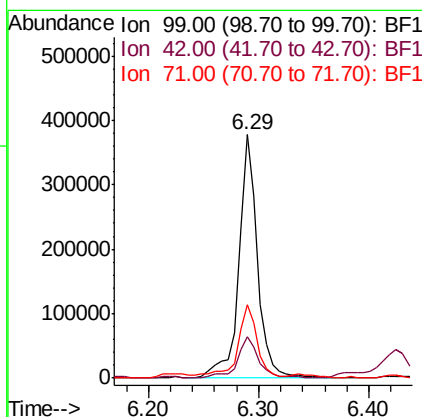
RT: 6.29 min Scan# 740

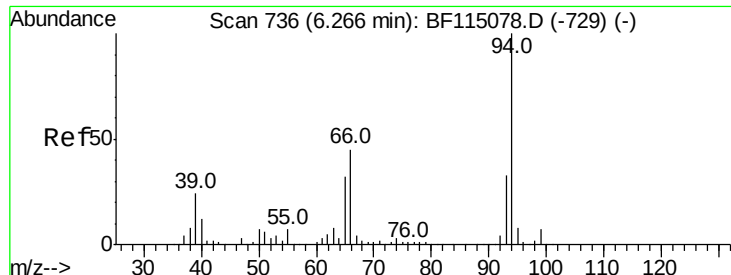
Delta R.T. 0.05 min

Lab File: BF115379.D

Acq: 3 Jul 2019 00:00

Tgt Ion:	99	Resp:	444435
Ion Ratio	Lower	Upper	
99	100		
42	17.1	13.6	20.4
71	30.2	25.5	38.3





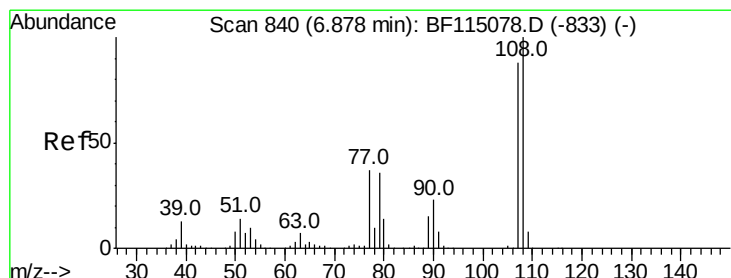
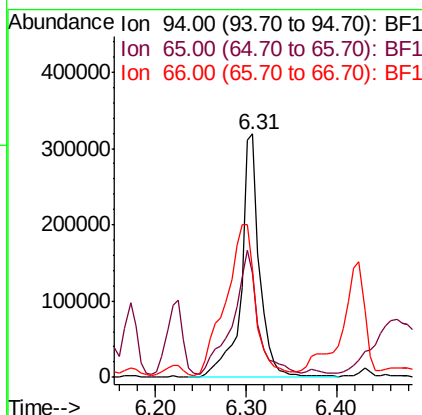
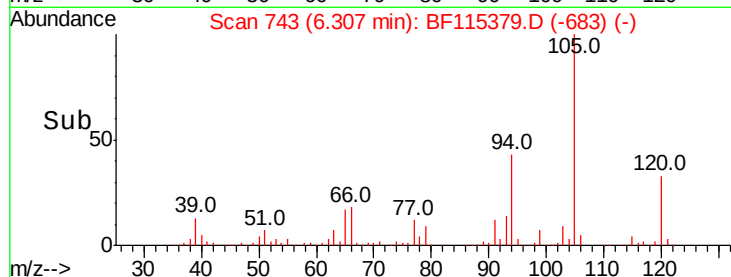
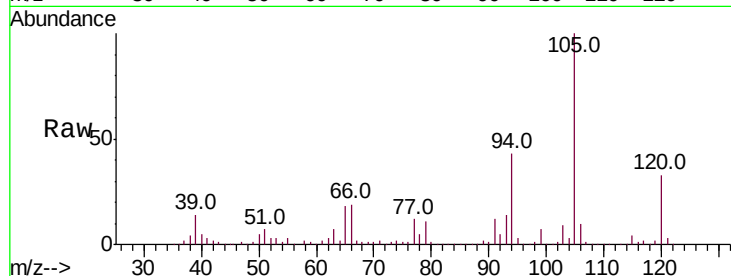
#10
Phenol
Concen: 22.191 ng
RT: 6.31 min Scan# 743
Delta R.T. 0.05 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tot Ion	Ratio	Lower	Upper
94	100		
65	42.8	11.9	51.9
66	44.2	25.2	65.2

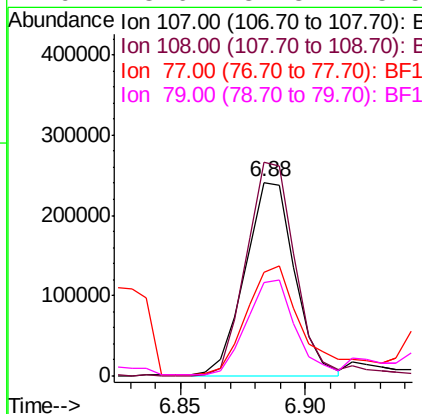
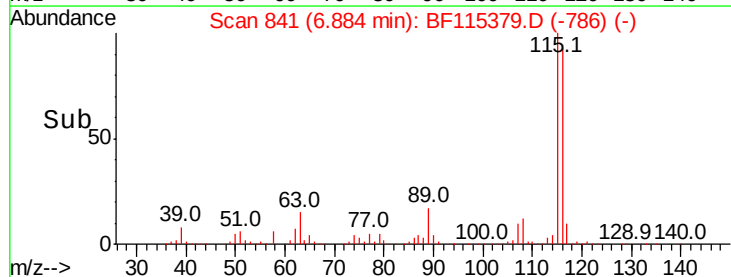
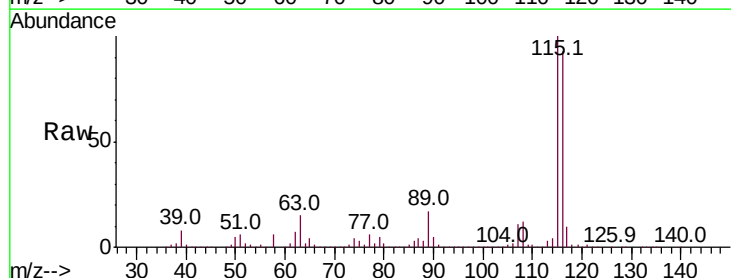
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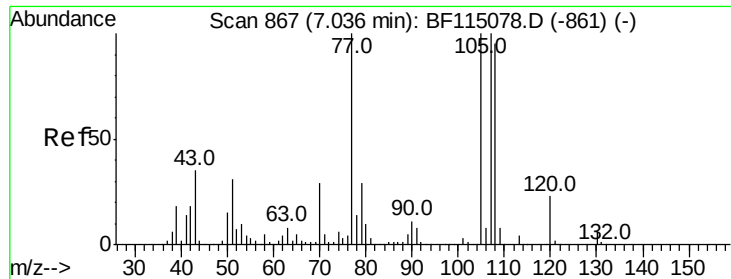
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#17
2-Methylphenol
Concen: 25.280 ng m
RT: 6.88 min Scan# 841
Delta R.T. 0.02 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
107	100		
108	110.2	90.9	136.3
77	53.4	33.4	50.2#
79	48.6	32.3	48.5#





#20

3+4-Methylphenols

Concen: 200.666 ng m

RT: 7.06 min Scan# 871

Delta R.T. 0.04 min

Lab File: BF115379.D

Acq: 3 Jul 2019 00:00

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GW

Tot Ion:107 Resp: 3057736

Ion Ratio Lower Upper

107 100

108 79.2 75.5 115.5

77 32.7 80.2 120.2#

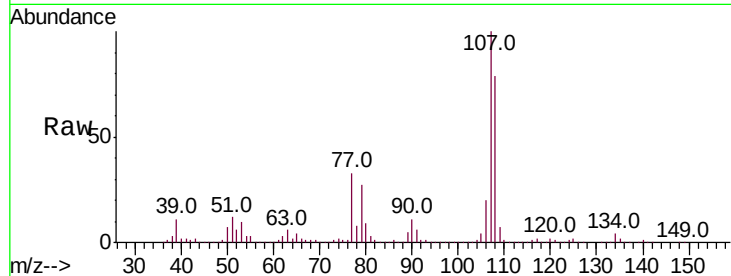
79 27.2 9.5 49.5

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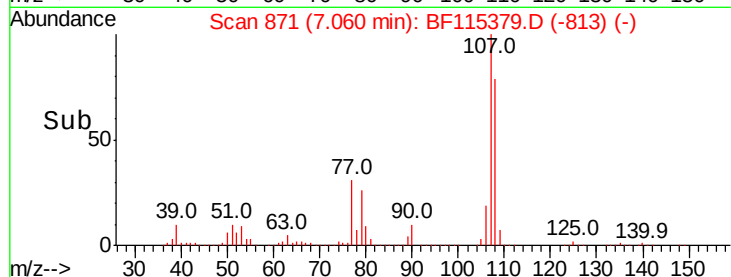


Abundance Ion 107.00 (106.70 to 107.70): E

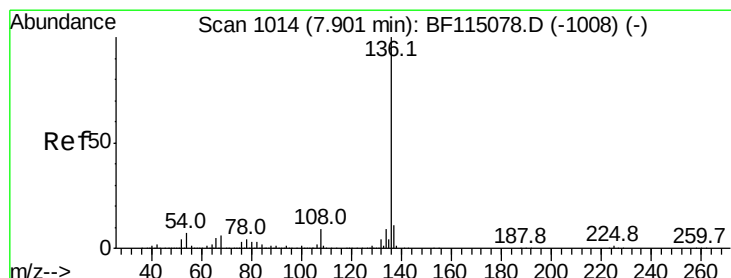
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.90 min Scan# 1014

Delta R.T. 0.02 min

Lab File: BF115379.D

Acq: 3 Jul 2019 00:00

Tgt Ion:136 Resp: 98261

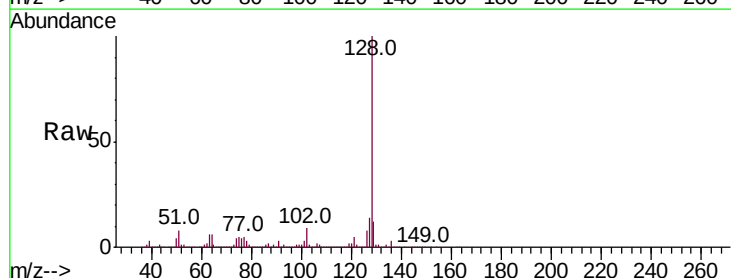
Ion Ratio Lower Upper

136 100

137 14.0 8.9 13.3#

54 10.7 5.6 8.4#

68 9.1 4.8 7.2#

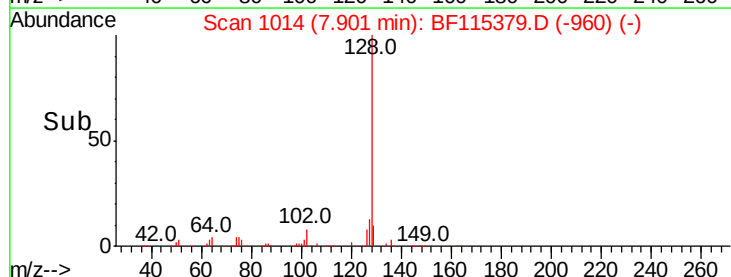


Abundance Ion 136.00 (135.70 to 136.70): E

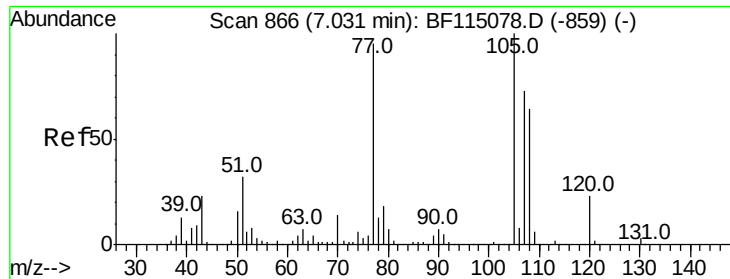
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



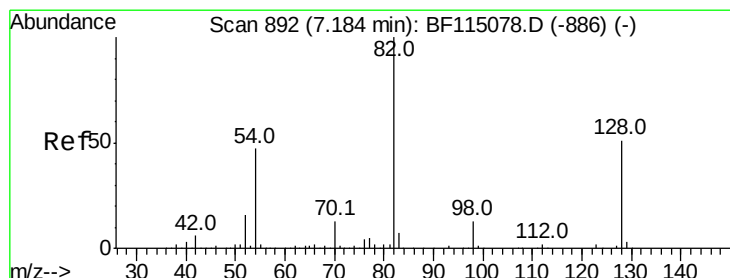
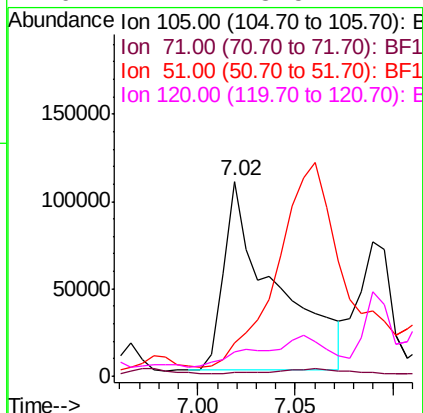
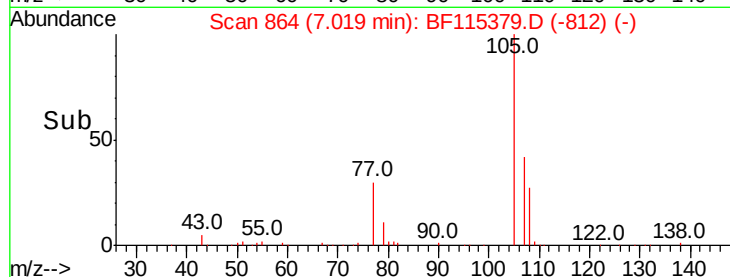
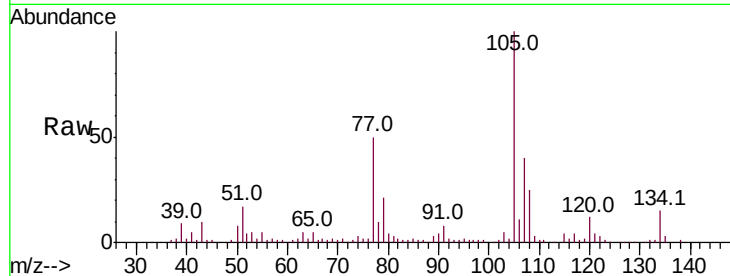
#22
Acetophenone
Concen: 87.373 ng
RT: 7.02 min Scan# 864
Delta R.T. 0.01 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tot Ion	Ratio	Lower	Upper
105	100		
71	1.8	1.9	2.9#
51	17.3	25.8	38.8#
120	12.2	18.5	27.7#

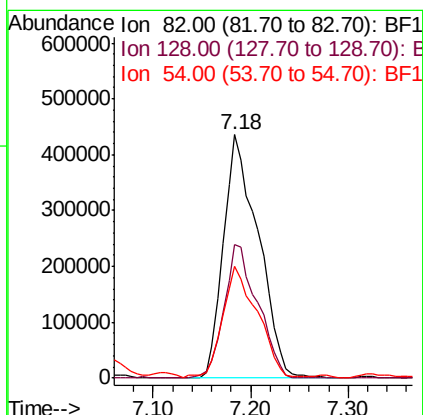
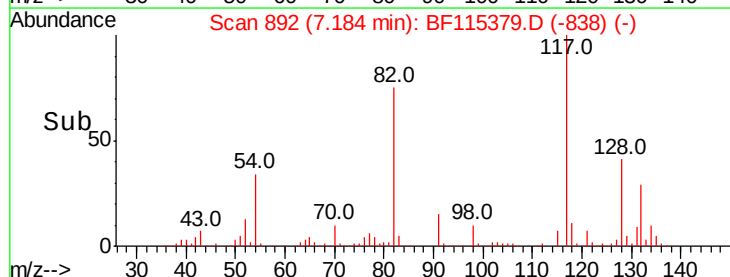
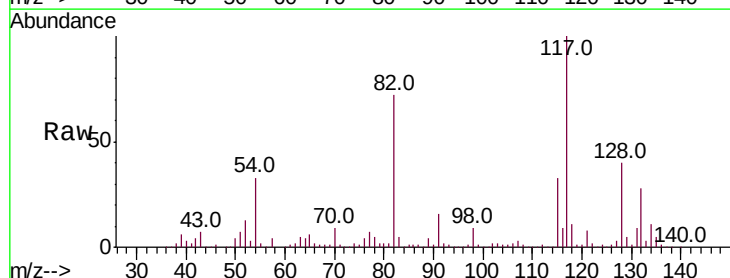
Manual Integrations
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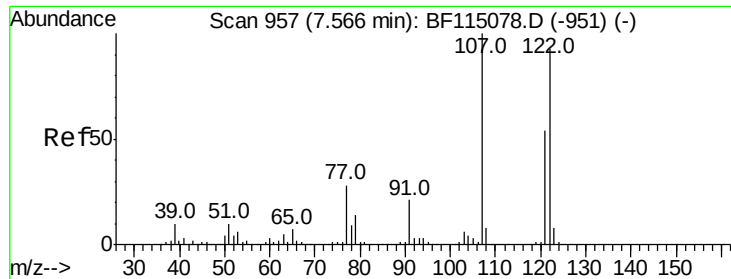
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#23
Nitrobenzene-d5
Concen: 672.959 ng
RT: 7.18 min Scan# 892
Delta R.T. 0.02 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
82	100		
128	54.6	40.4	60.6
54	45.8	37.5	56.3





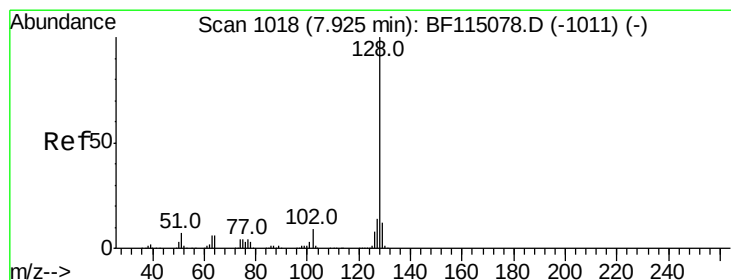
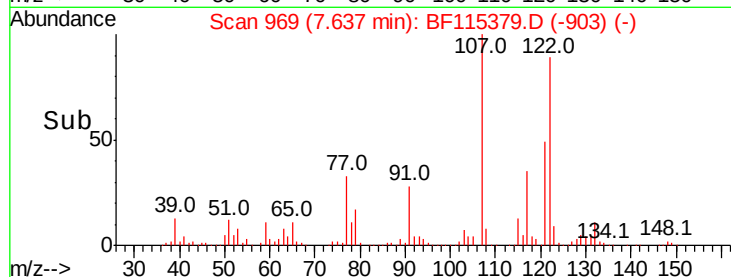
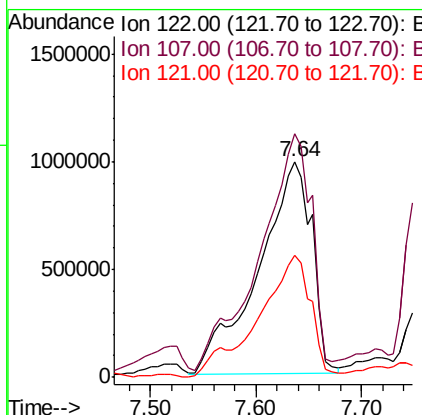
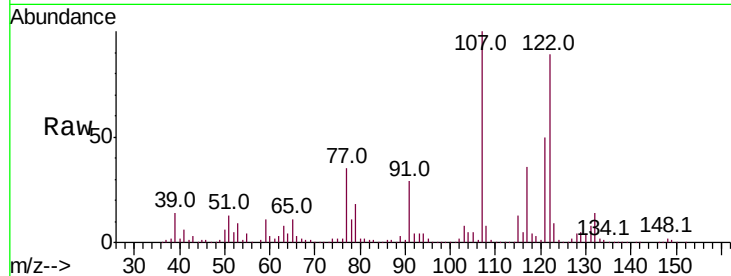
#27
2,4-Dimethylphenol
Concen: 2440.129 ng
RT: 7.64 min Scan# 969
Delta R.T. 0.09 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tot Ion:122 Resp: 3472020
Ion Ratio Lower Upper
122 100
107 112.7 85.8 128.6
121 56.8 46.3 69.5

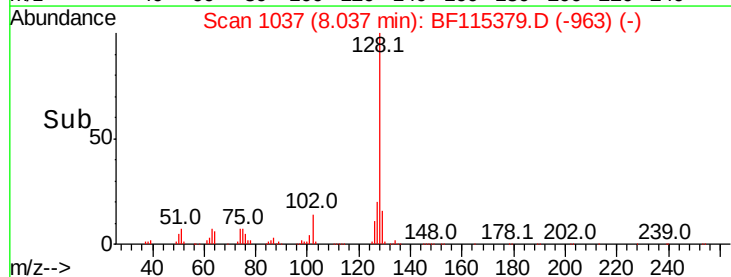
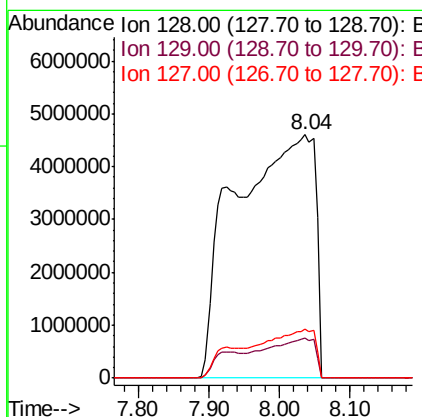
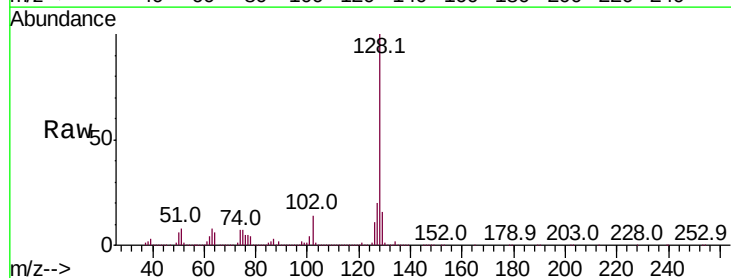
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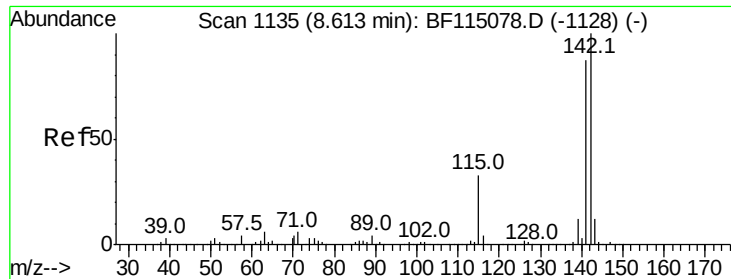
mohammad
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#31
Naphthalene
Concen: 7437.382 ng m
RT: 8.04 min Scan# 1037
Delta R.T. 0.14 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Tgt Ion:128 Resp:35873330
Ion Ratio Lower Upper
128 100
129 16.3 9.6 14.4#
127 20.1 11.4 17.0#





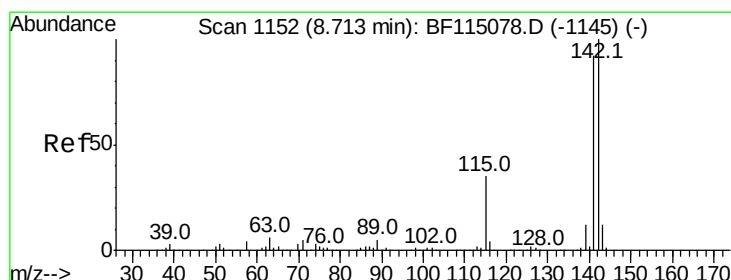
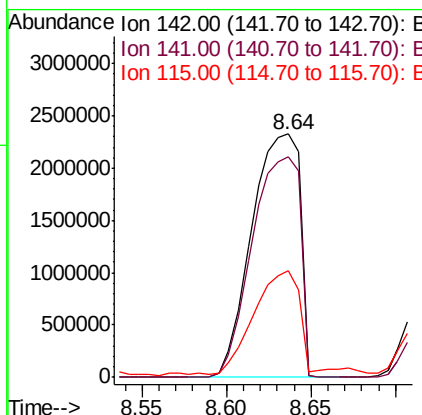
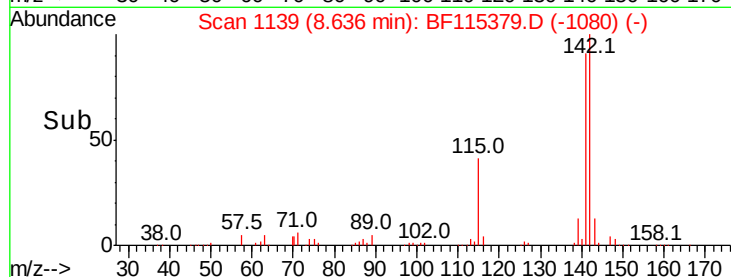
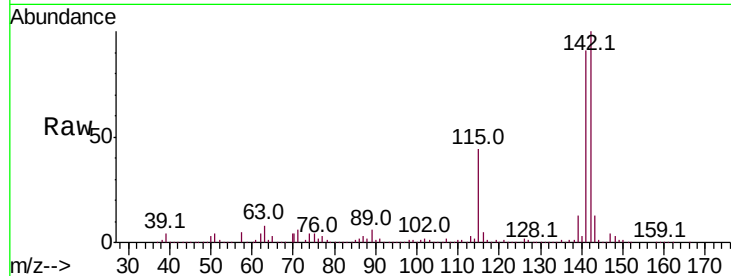
#37
2-Methylnaphthalene
Concen: 1408.356 ng
RT: 8.64 min Scan# 1139
Delta R.T. 0.05 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tot Ion:142 Resp: 4580230
Ion Ratio Lower Upper
142 100
141 90.7 69.8 104.6
115 44.0 26.7 40.1#

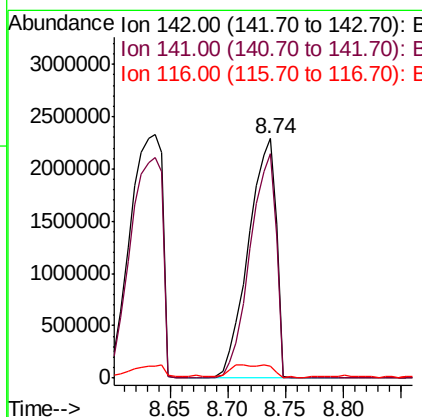
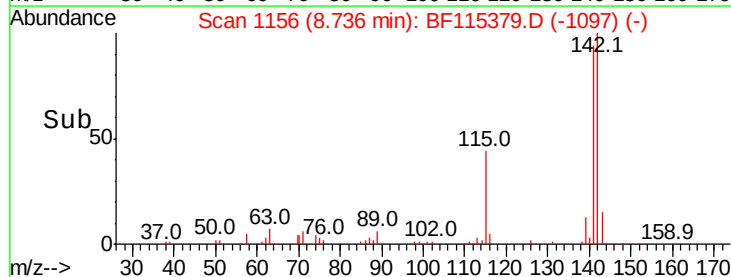
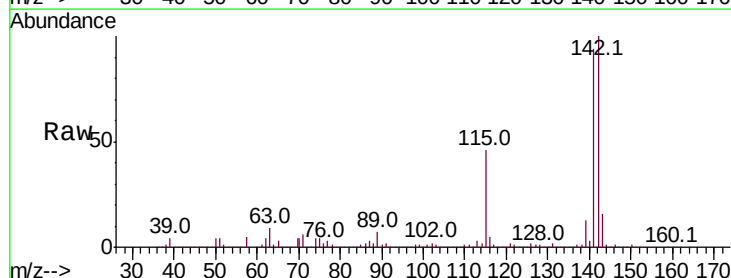
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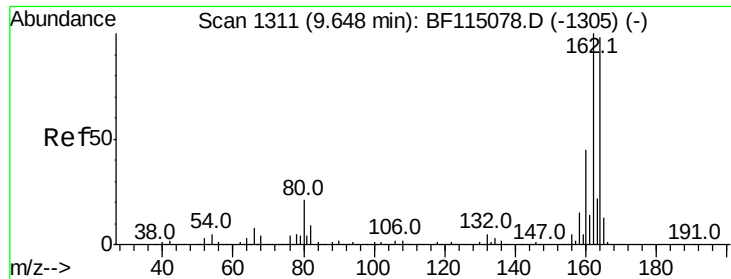
mohammad
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#38
1-Methylnaphthalene
Concen: 1240.384 ng
RT: 8.74 min Scan# 1156
Delta R.T. 0.05 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Tgt Ion:142 Resp: 3852704
Ion Ratio Lower Upper
142 100
141 93.9 73.8 110.8
116 5.3 2.8 4.2#





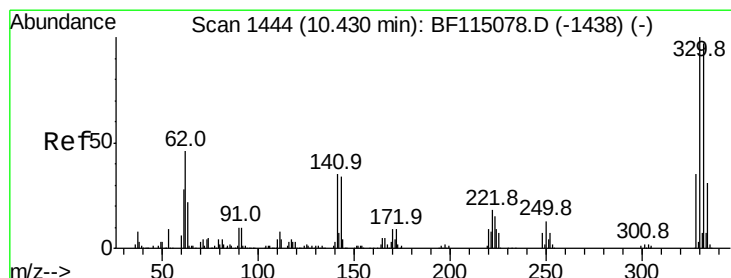
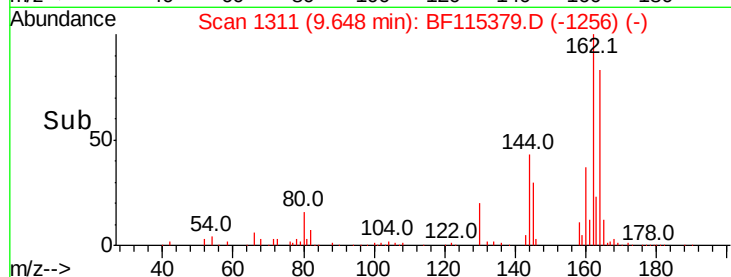
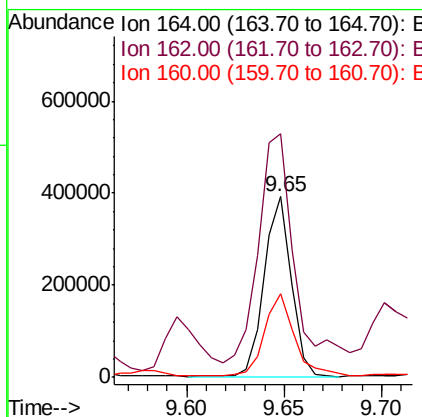
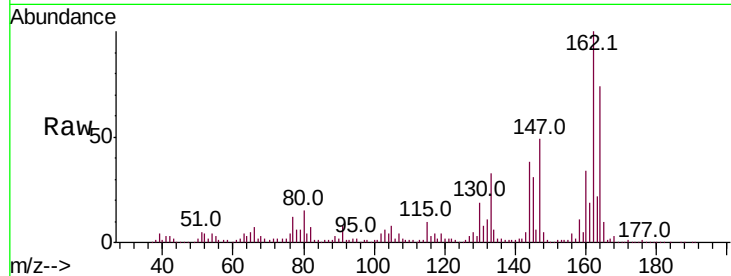
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.65 min Scan# 1311
Delta R.T. 0.02 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tot Ion:164 Resp: 375596
Ion Ratio Lower Upper
164 100
162 134.9 81.7 122.5#
160 46.4 37.0 55.4

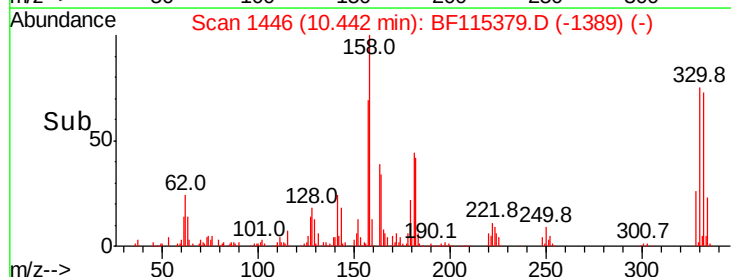
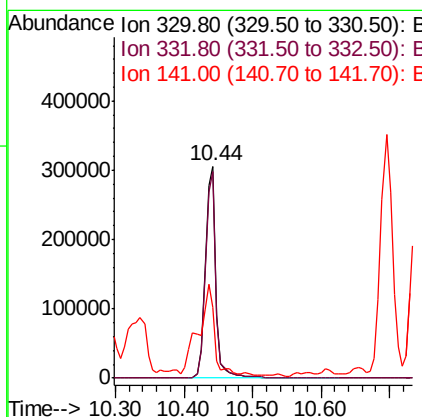
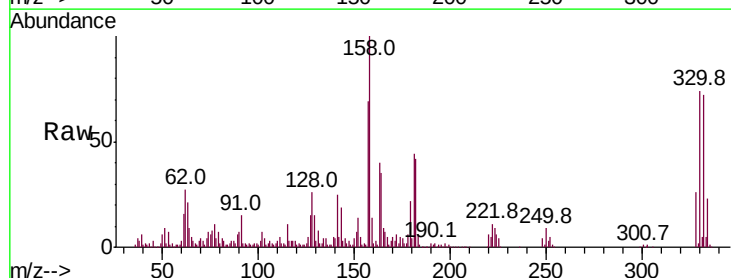
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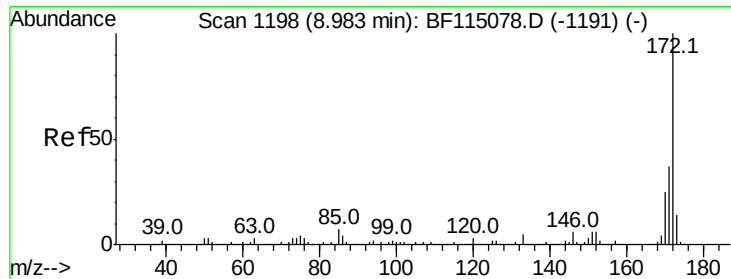
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#42
2,4,6-Tribromophenol
Concen: 85.187 ng
RT: 10.44 min Scan# 1446
Delta R.T. 0.04 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Tgt Ion:330 Resp: 337408
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 60.6 28.2 42.2#





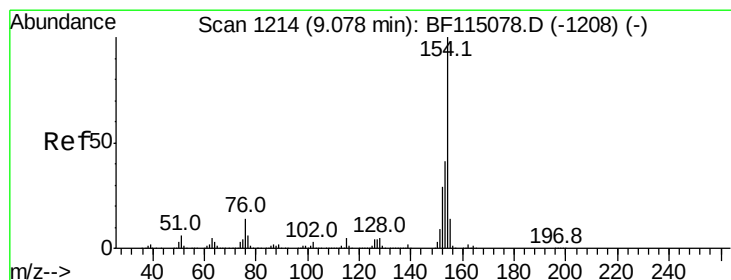
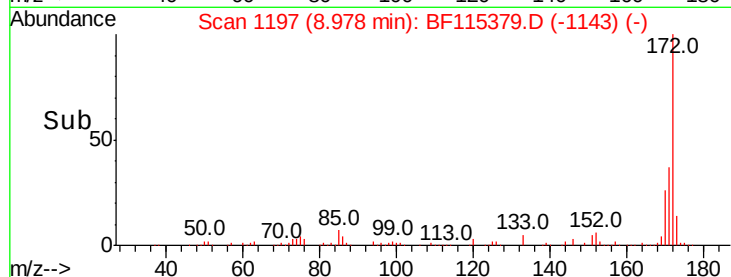
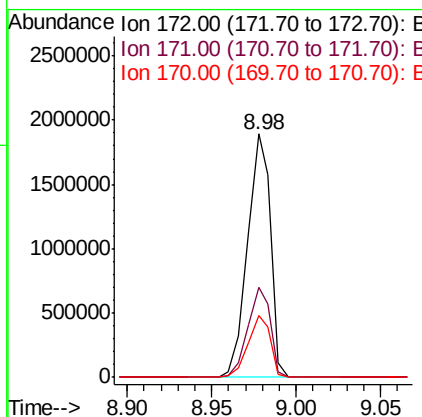
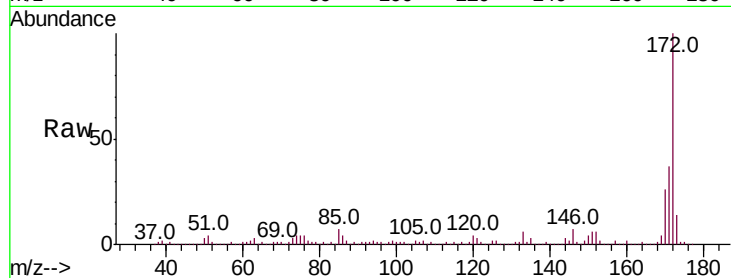
#45
2-Fluorobiphenyl
Concen: 81.531 ng
RT: 8.98 min Scan# 1197
Delta R.T. 0.02 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.8	44.6
170	25.5	20.3	30.5

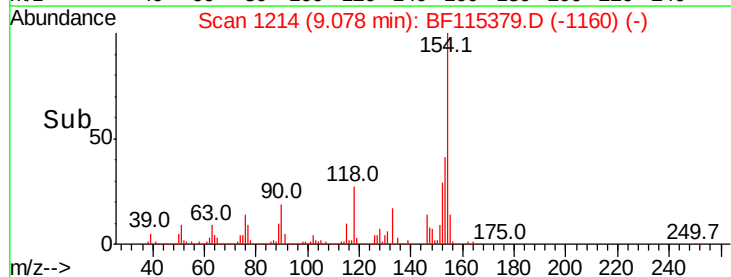
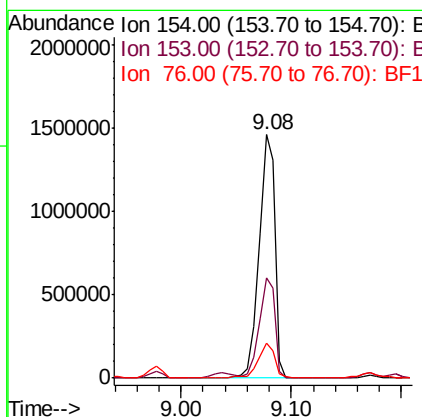
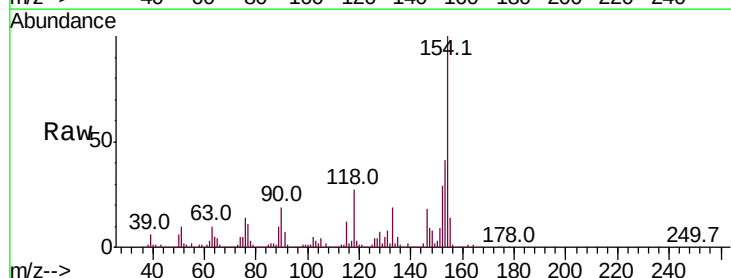
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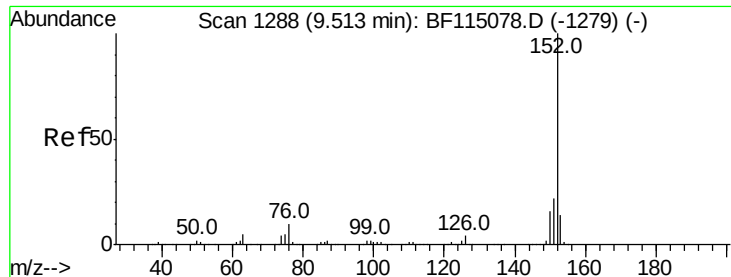
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#46
1,1'-Biphenyl
Concen: 48.881 ng
RT: 9.08 min Scan# 1214
Delta R.T. 0.02 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.9	60.9
76	14.2	0.0	34.1





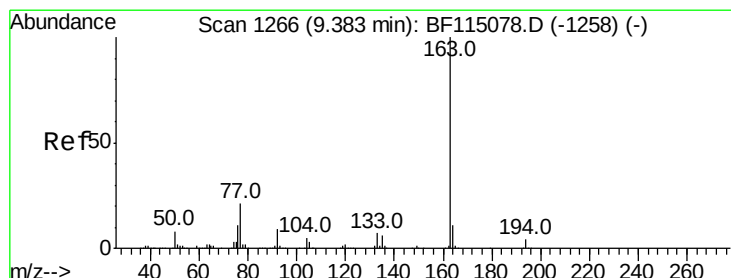
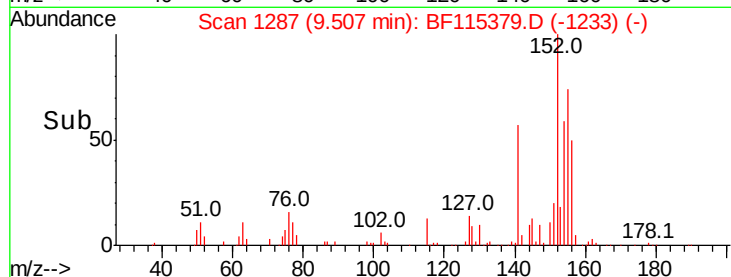
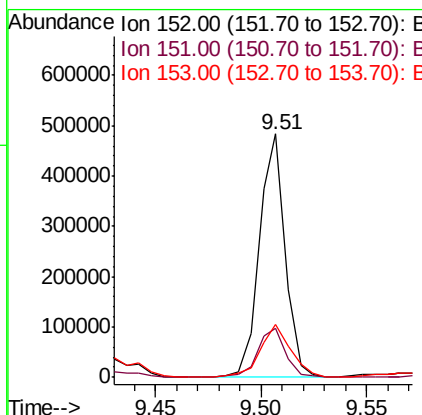
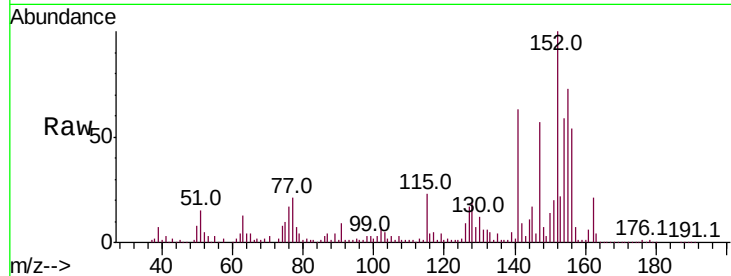
#49
Acenaphthylene
Concen: 10.719 ng
RT: 9.51 min Scan# 1287
Delta R.T. 0.02 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.3	17.2	25.8
153	21.5	11.0	16.6

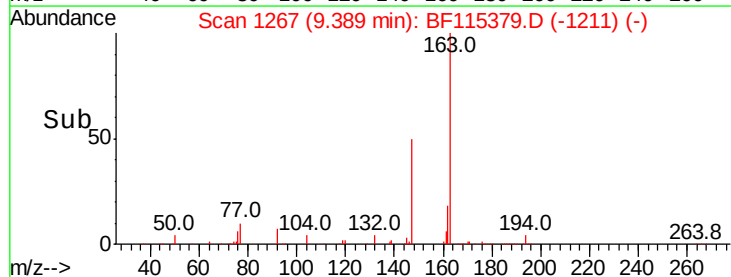
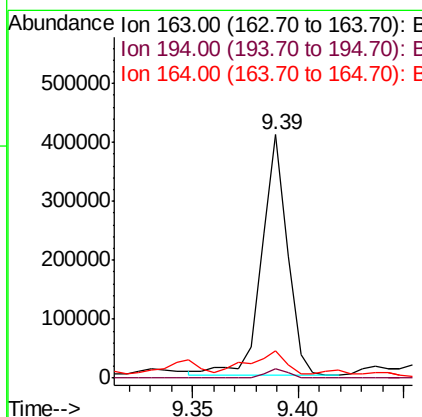
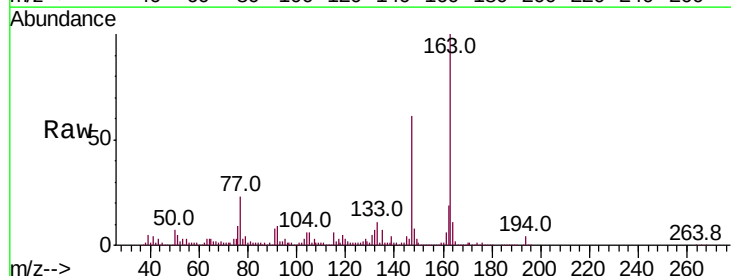
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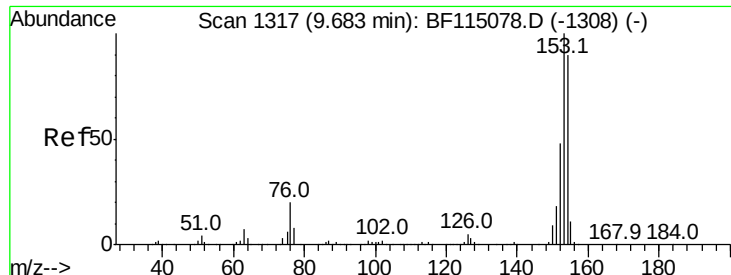
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#50
Dimethylphthalate
Concen: 12.640 ng
RT: 9.39 min Scan# 1267
Delta R.T. 0.03 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	11.0	8.6	13.0





#52

Acenaphthene

Concen: 94.765 ng

RT: 9.69 min Scan# 1318

Delta R.T. 0.03 min

Lab File: BF115379.D

Acq: 3 Jul 2019 00:00

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GW

Tot Ion:154 Resp: 2252257

Ion Ratio Lower Upper

154 100

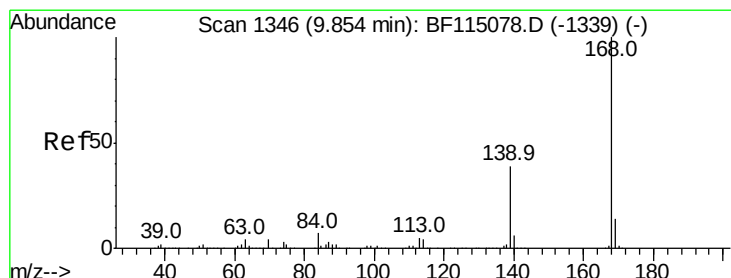
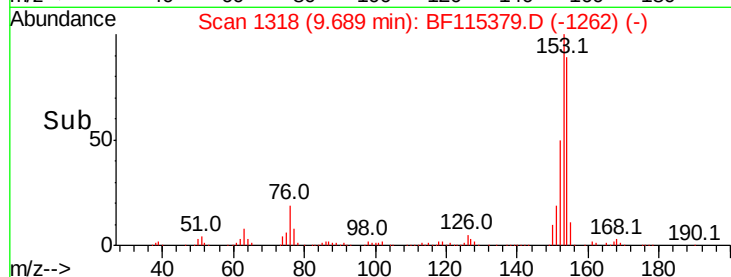
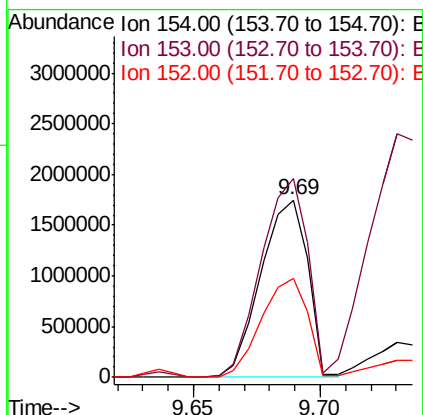
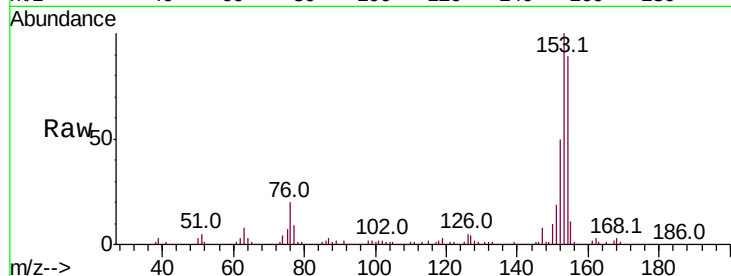
153 112.2 88.7 133.1

152 56.1 42.6 64.0

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#55

Dibenzofuran

Concen: 80.341 ng

RT: 9.86 min Scan# 1347

Delta R.T. 0.03 min

Lab File: BF115379.D

Acq: 3 Jul 2019 00:00

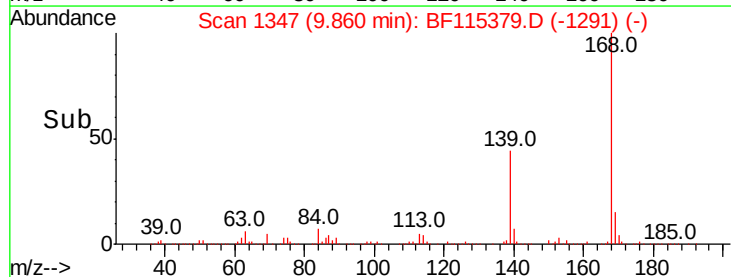
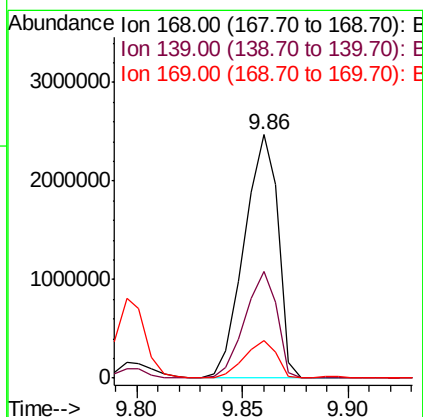
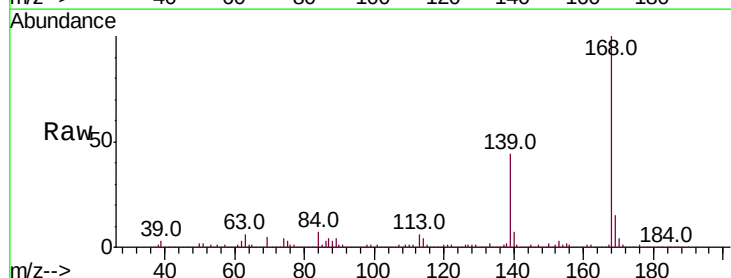
Tgt Ion:168 Resp: 2740573

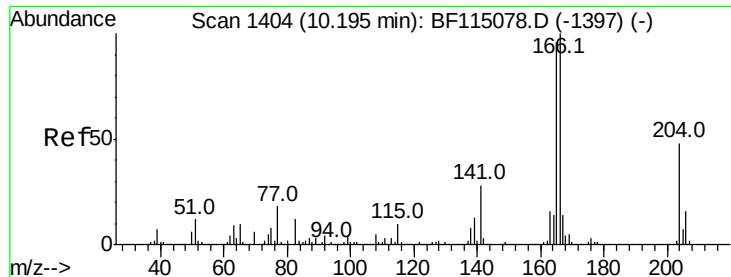
Ion Ratio Lower Upper

168 100

139 43.9 31.1 46.7

169 15.3 11.3 16.9





#58

Fluorene

Concen: 82.373 ng

RT: 10.20 min Scan# 1404

Delta R.T. 0.02 min

Lab File: BF115379.D

Acq: 3 Jul 2019 00:00

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GW

Tot Ion:166 Resp: 1746538

Ion Ratio Lower Upper

166 100

165 98.5 76.5 114.7

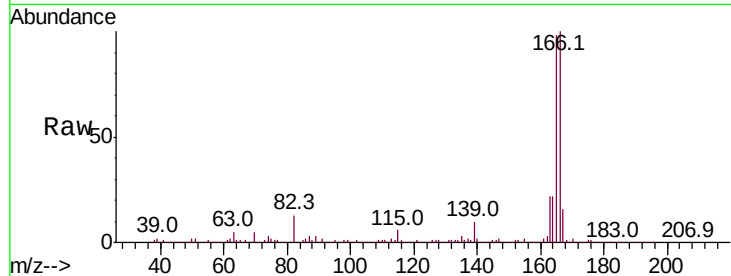
167 15.5 11.0 16.4

Manual Integrations

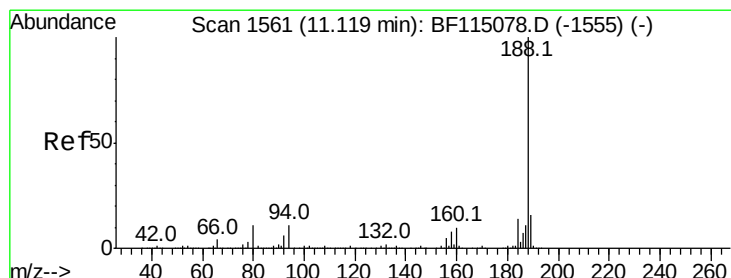
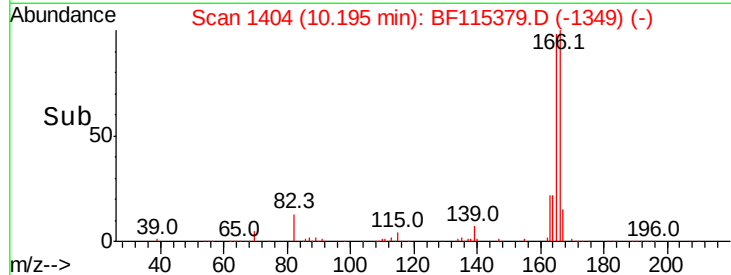
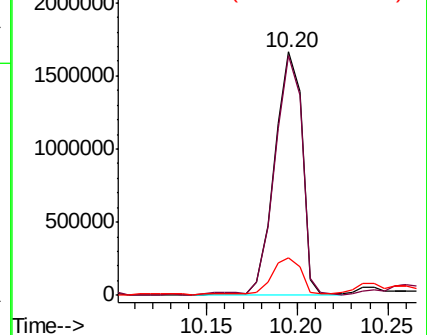
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.12 min Scan# 1562

Delta R.T. 0.03 min

Lab File: BF115379.D

Acq: 3 Jul 2019 00:00

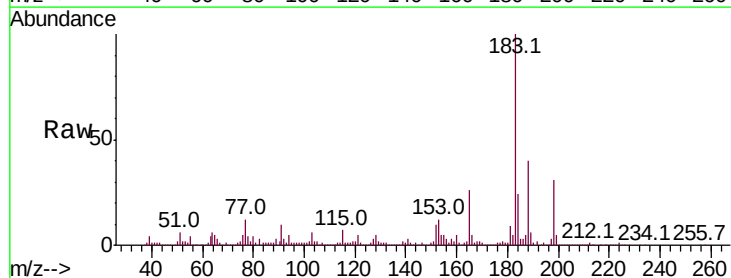
Tgt Ion:188 Resp: 511484

Ion Ratio Lower Upper

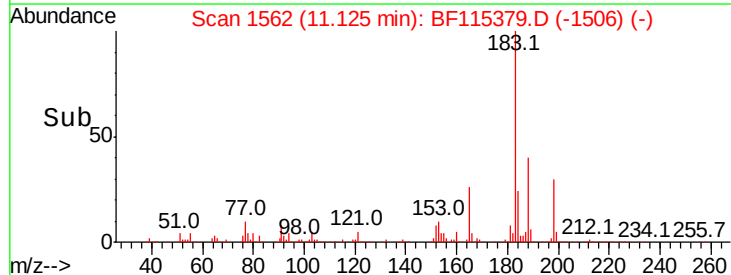
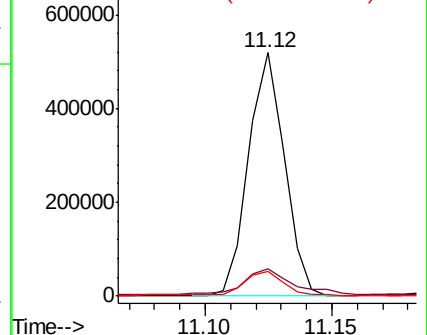
188 100

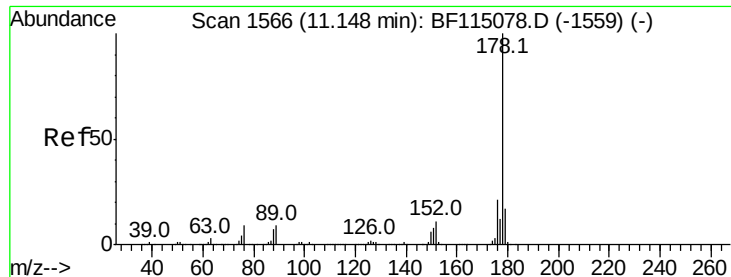
94 11.3 8.6 12.8

80 10.2 8.8 13.2



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





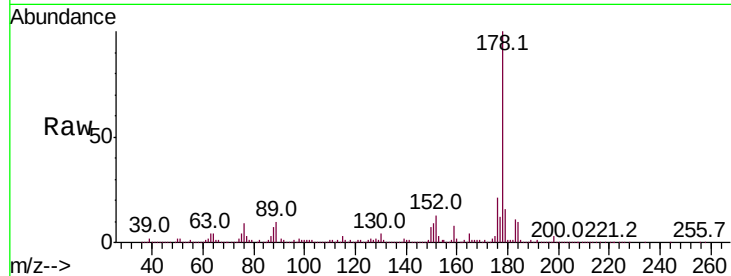
#71
Phenanthrene
Concen: 67.857 ng
RT: 11.16 min Scan# 1568
Delta R.T. 0.04 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW26S-GW

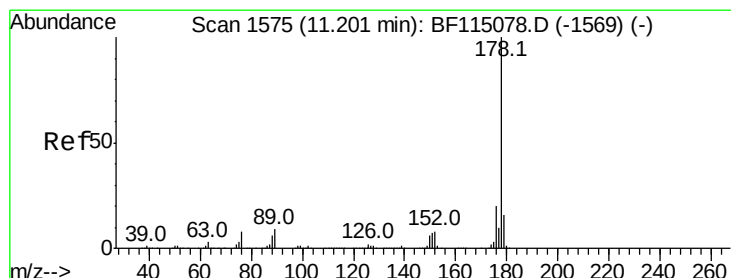
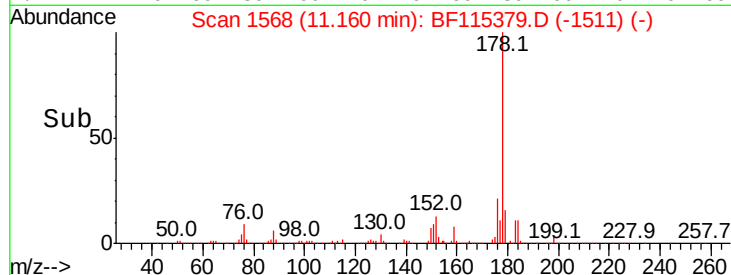
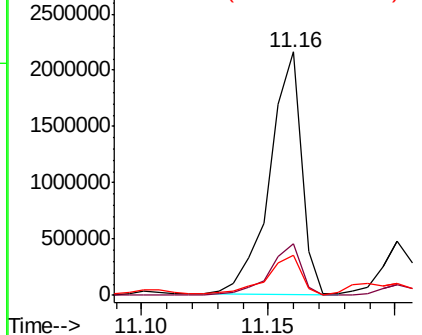
Tot Ion:178 Resp: 1868710
Ion Ratio Lower Upper
178 100
176 21.1 16.9 25.3
179 16.3 13.2 19.8

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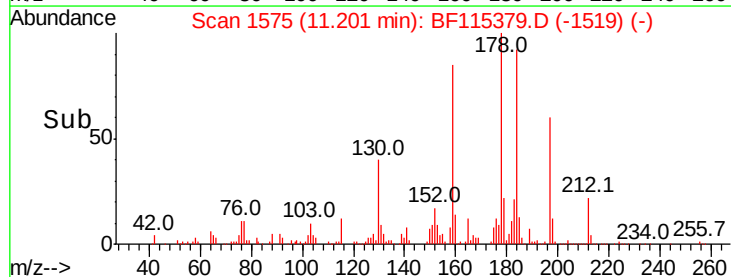
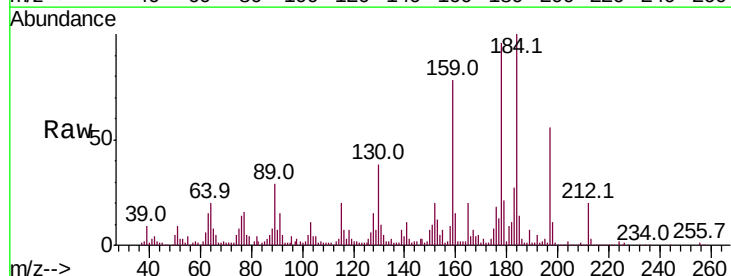
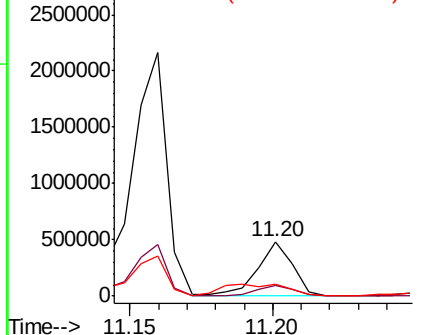
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

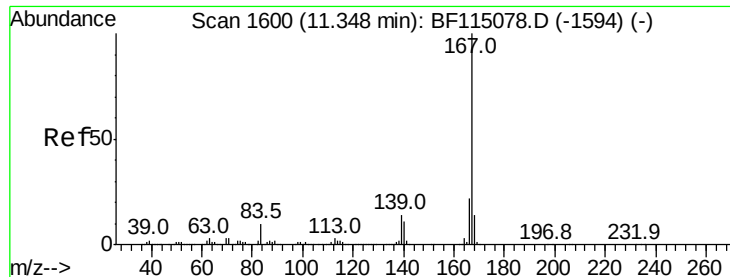


#72
Anthracene
Concen: 15.205 ng m
RT: 11.20 min Scan# 1575
Delta R.T. 0.03 min
Lab File: BF115379.D
Acq: 3 Jul 2019 00:00

Tgt Ion:178 Resp: 422689
Ion Ratio Lower Upper
178 100
176 19.1 16.1 24.1
179 21.6 12.9 19.3#

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 84.647 ng

RT: 11.37 min Scan# 1604

Delta R.T. 0.05 min

Lab File: BF115379.D

Acq: 3 Jul 2019 00:00

Instrument :

BNA_F

ClientSampleId :

QNWP8-MW26S-GW

Tot Ion:167 Resp: 2101224

Ion Ratio Lower Upper

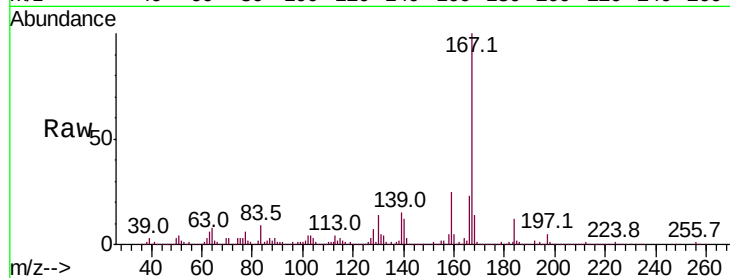
167 100

166 22.6 18.0 27.0

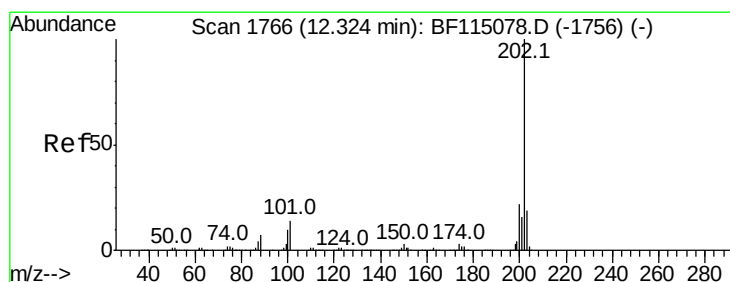
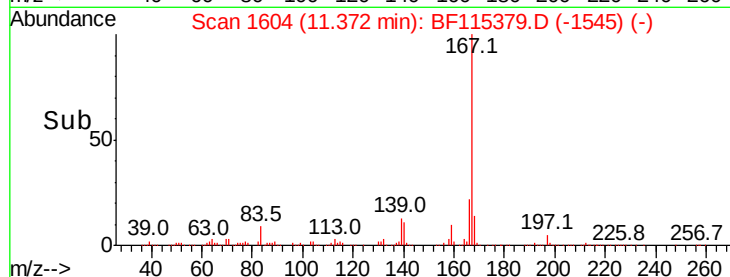
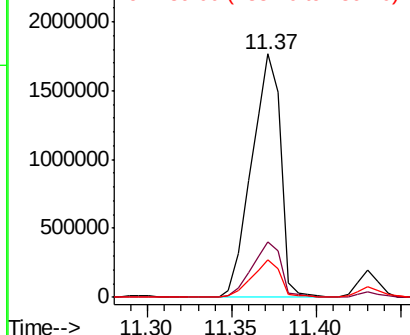
139 15.3 11.1 16.7

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 10.664 ng

RT: 12.36 min Scan# 1772

Delta R.T. 0.06 min

Lab File: BF115379.D

Acq: 3 Jul 2019 00:00

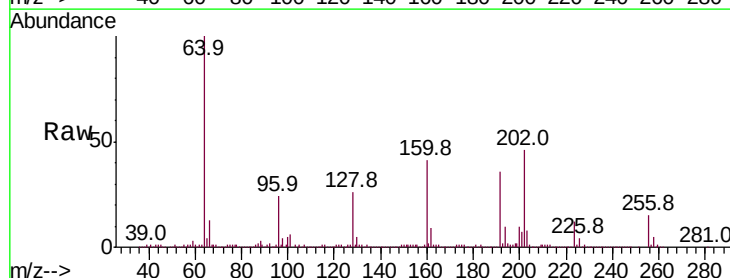
Tgt Ion:202 Resp: 293025

Ion Ratio Lower Upper

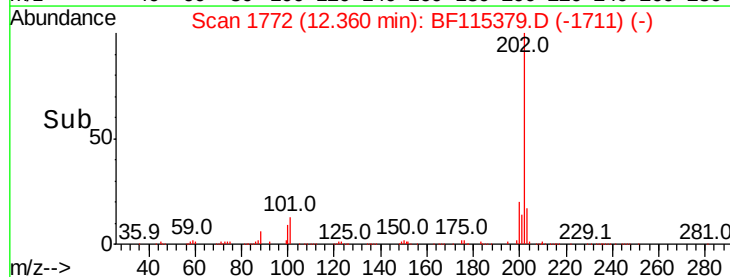
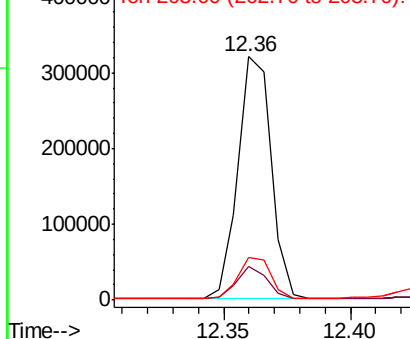
202 100

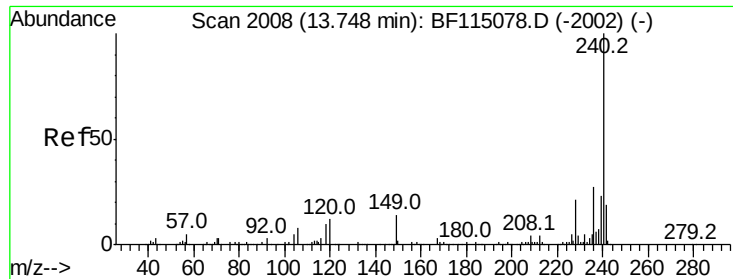
101 13.9 0.0 34.0

203 17.6 0.0 38.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.75 min Scan# 2008

Delta R.T. 0.03 min

Lab File: BF115379.D

Acq: 3 Jul 2019 00:00

Instrument :

BNA_F

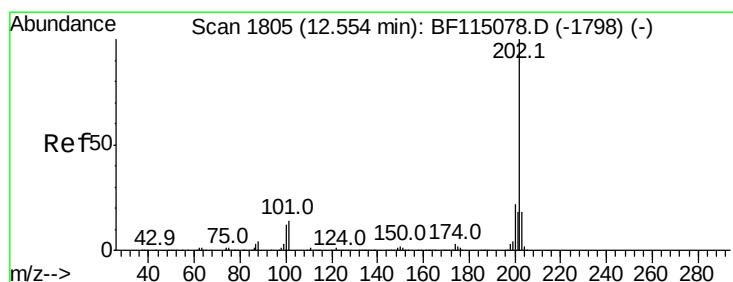
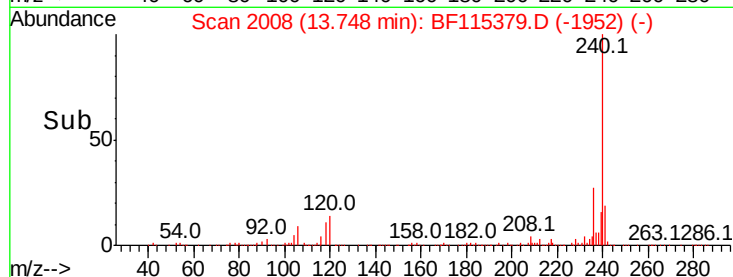
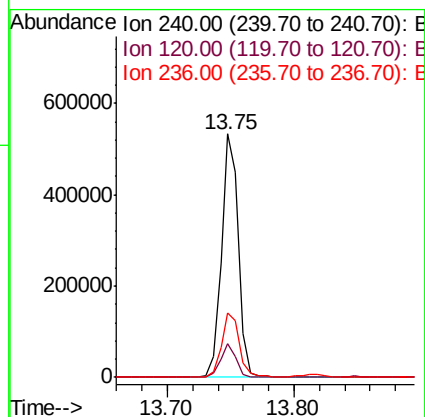
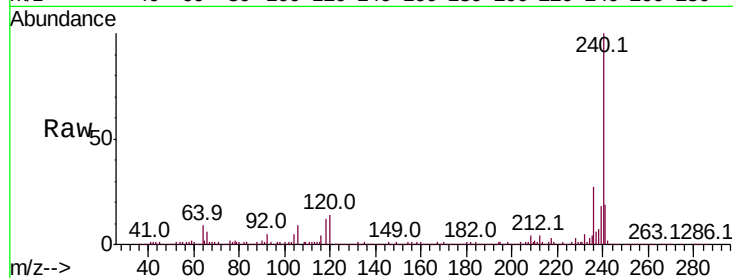
ClientSampleId :

QNWP8-MW26S-GW

Tot Ion:	240	Resp:	490642
Ion Ratio	Lower	Upper	
240	100		
120	13.7	9.4	14.2
236	26.5	21.7	32.5

Manual Integrations
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mohammad
7/3/2019 10:52:02 PM



#78

Pyrene

Concen: 5.797 ng

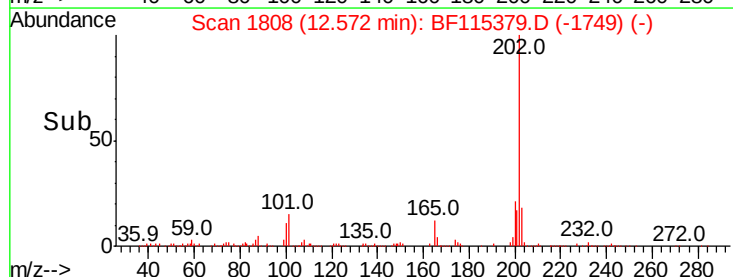
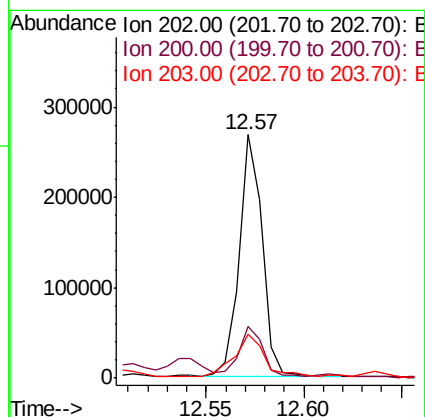
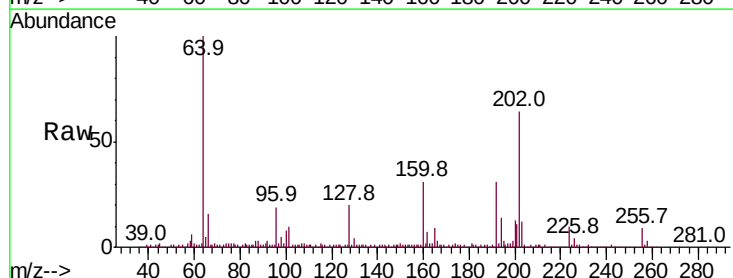
RT: 12.57 min Scan# 1808

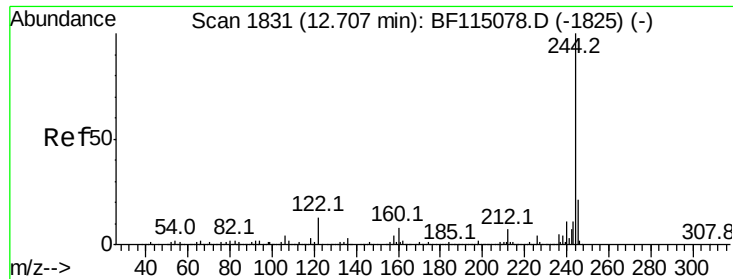
Delta R.T. 0.05 min

Lab File: BF115379.D

Acq: 3 Jul 2019 00:00

Tgt Ion:	202	Resp:	218593
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.9	26.9
203	18.1	14.6	21.8





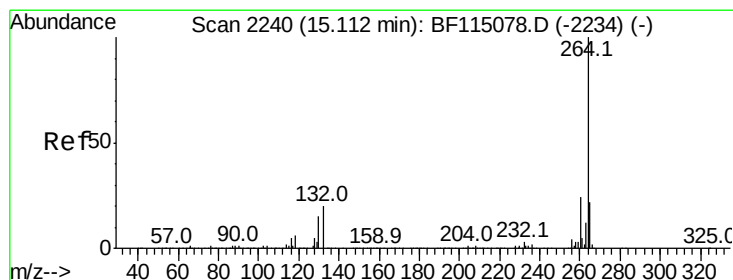
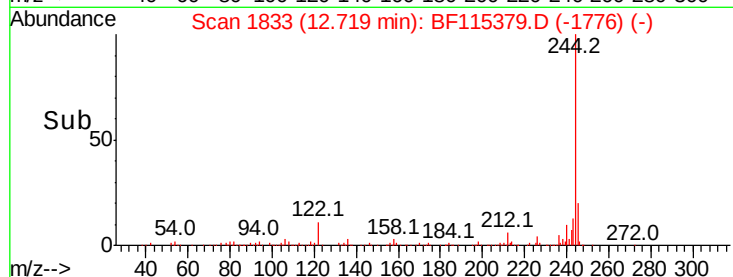
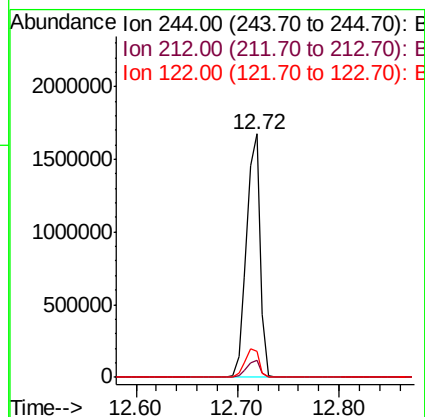
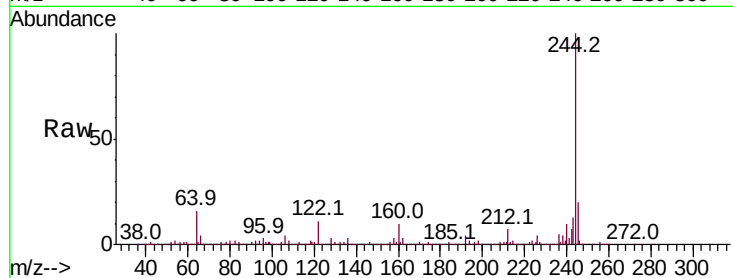
#79
 Terphenyl-d14
 Concen: 67.883 ng
 RT: 12.72 min Scan# 1833
 Delta R.T. 0.04 min
 Lab File: BF115379.D
 Acq: 3 Jul 2019 00:00

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW26S-GW

Tot Ion:244 Resp: 1566500
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 10.8 10.4 15.6

Manual Integrations
 APPROVED

mohammad
 7/3/2019 10:52:02 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.12 min Scan# 2241
 Delta R.T. 0.04 min
 Lab File: BF115379.D
 Acq: 3 Jul 2019 00:00

Tgt Ion:264 Resp: 496990
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.6 29.4
 265 22.0 17.3 25.9

