

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
 Data File : BF114467.D
 Acq On : 21 May 2019 20:16
 Operator : JU/SJ
 Sample : K2913-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-17-S

Manual Integrations
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Sohil
 5/23/2019 8:15:49 AM

Quant Time: May 22 07:20:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	215531	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	562053	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	162670	20.00	ng	0.05
64) Phenanthrene-d10	11.40	188	362063	20.00	ng	0.05
76) Chrysene-d12	14.00	240	433703	20.00	ng	0.00
87) Perylene-d12	15.47	264	449072	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1557523	116.29	ng	0.00
7) Phenol-d6	6.48	99	2035542	128.50	ng	0.00
23) Nitrobenzene-d5	7.40	82	1120398	111.87	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	237383	141.15	ng	0.06
45) 2-Fluorobiphenyl	9.22	172	1023491	95.17	ng	0.03
79) Terphenyl-d14	12.94	244	1241241	59.00	ng	0.00
Target Compounds						
31) Naphthalene	8.15	128	514200	19.585	ng	Qvalue 94
37) 2-Methylnaphthalene	8.86	142	565613	33.391	ng	# 90
38) 1-Methylnaphthalene	8.95	142	314499	19.715	ng	# 88
50) Dimethylphthalate	9.61	163	205146	17.179	ng	# 61
52) Acenaphthene	9.95	154	136011	13.779	ng	# 59
58) Fluorene	10.47	166	209642	18.751	ng	# 54
71) Phenanthrene	11.43	178	671216	38.105	ng	# 87
75) Fluoranthene	12.59	202	232009	12.231	ng	95
78) Pyrene	12.82	202	364373m	10.444	ng	
81) Benzo(a)anthracene	13.99	228	93375	3.329	ng	# 83
83) Chrysene	14.03	228	127342	4.631	ng	# 90
88) Benzo(b)fluoranthene	15.04	252	105914m	3.681	ng	
90) Benzo(a)pyrene	15.42	252	52015	2.054	ng	# 88

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

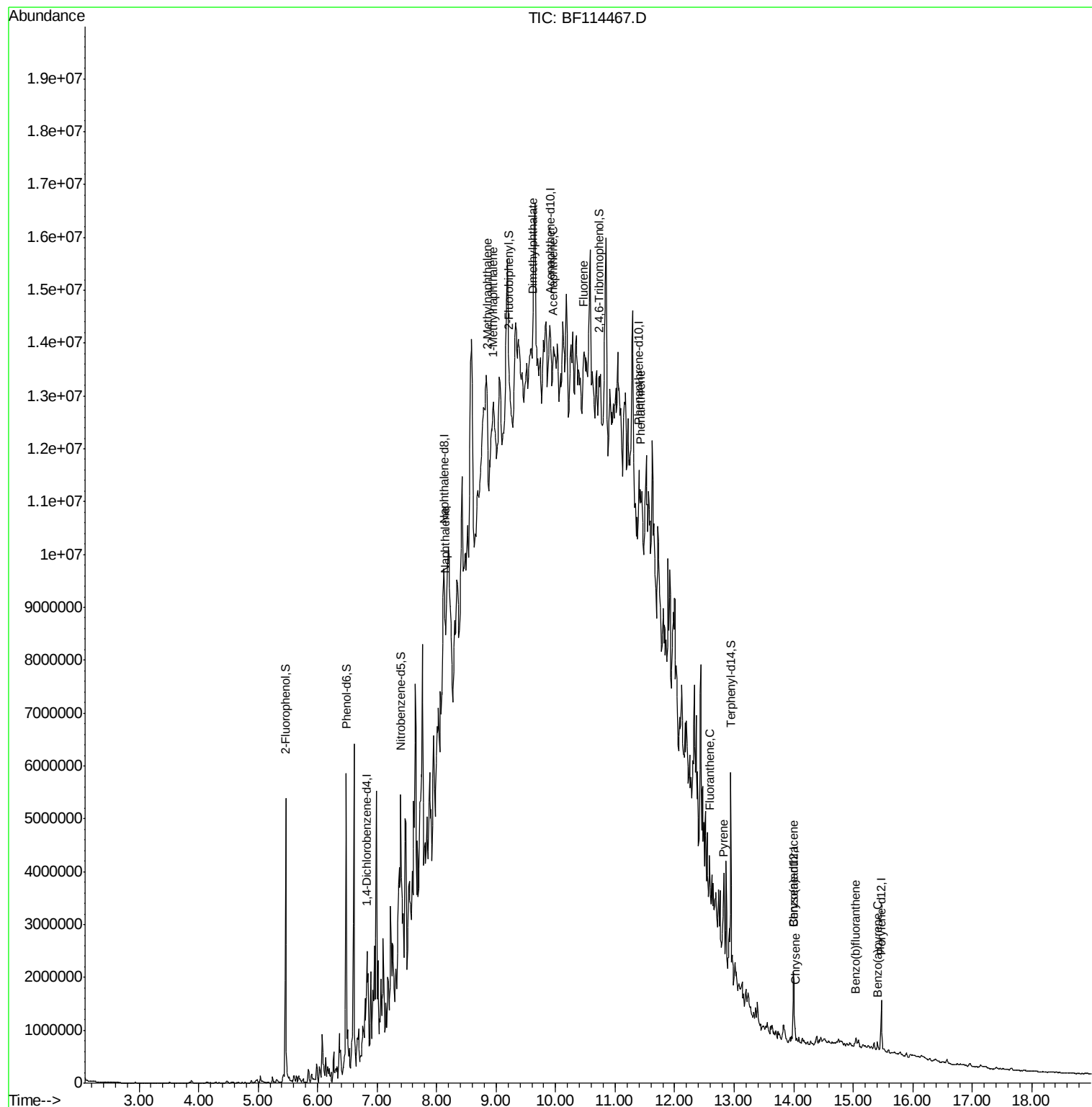
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052119\
Data File : BF114467.D
Acq On : 21 May 2019 20:16
Operator : JU/SJ
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Misc :
ALS Vial : 20 Sample Multiplier: 1

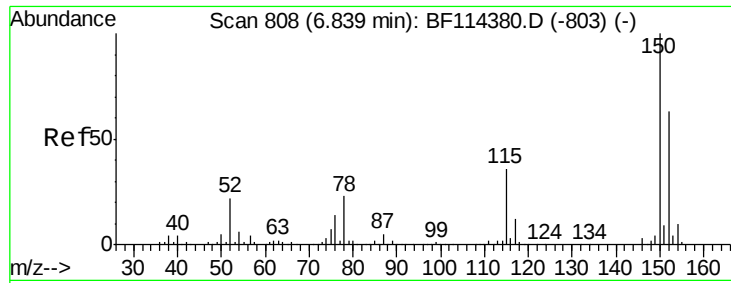
Instrument :
BNA_F
ClientSampled :
TP-17-S

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

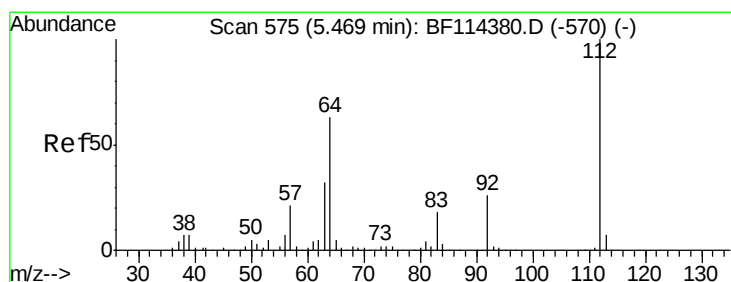
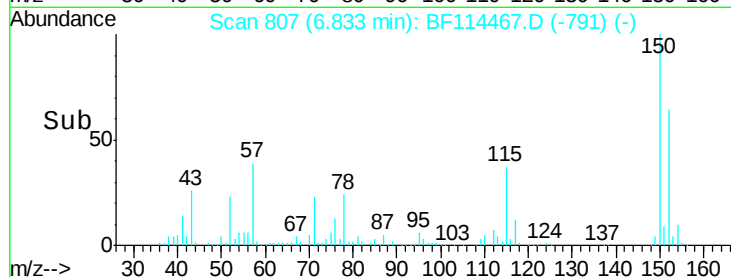
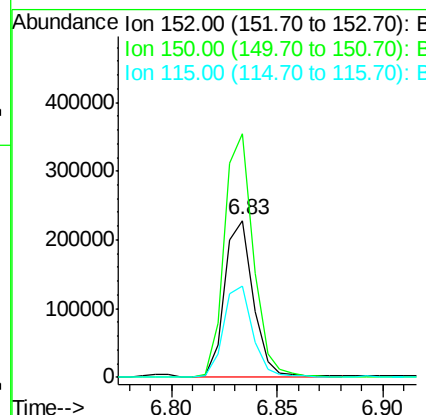
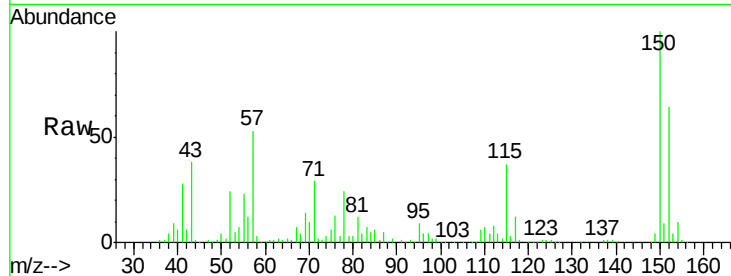
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF114467.D
Acq: 21 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
TP-17-S

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	21531		
150	155.2	124.3	186.5	
115	58.0	49.1	73.7	

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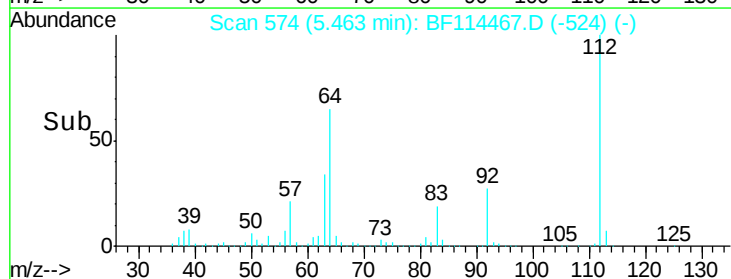
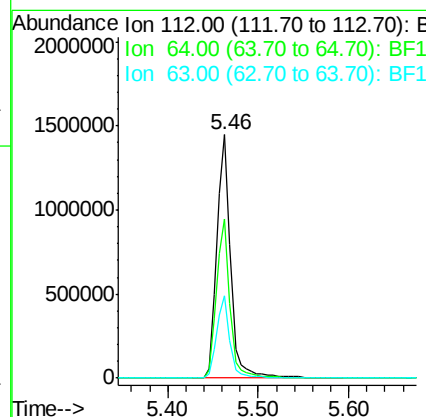
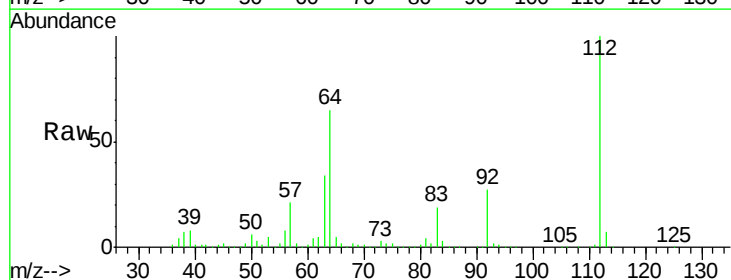
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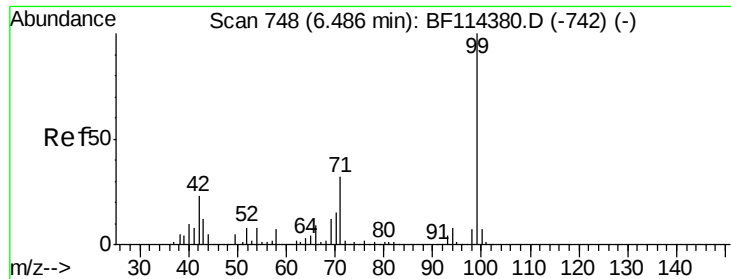


#5

2-Fluorophenol
Concen: 116.292 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF114467.D
Acq: 21 May 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1557523		
64	65.2	49.0	73.6	
63	33.6	24.6	37.0	





#7

Phenol-d6

Concen: 128.502 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF114467.D

Acq: 21 May 2019 20:16

Instrument :

BNA_F

ClientSampleId :

TP-17-S

Tgt Ion: 99 Resp: 2035542

Ion Ratio Lower Upper

99 100

42 23.1 17.9 26.9

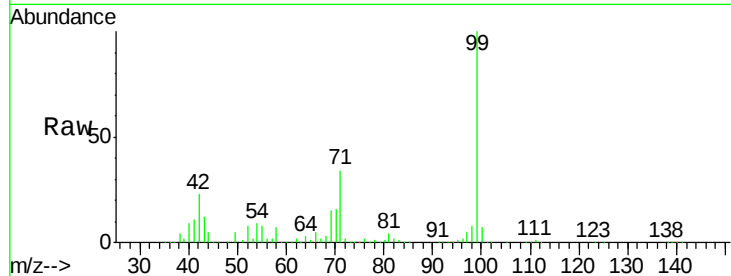
71 33.7 26.2 39.2

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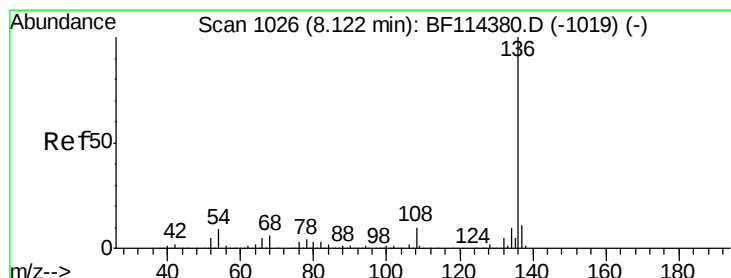
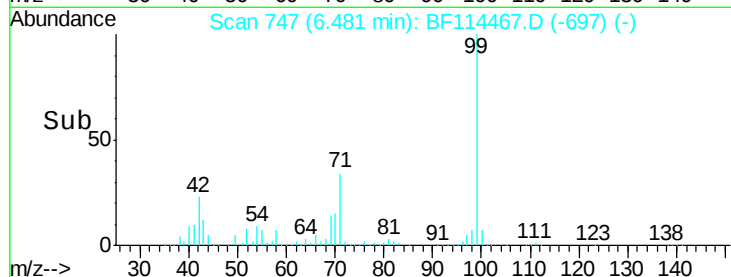
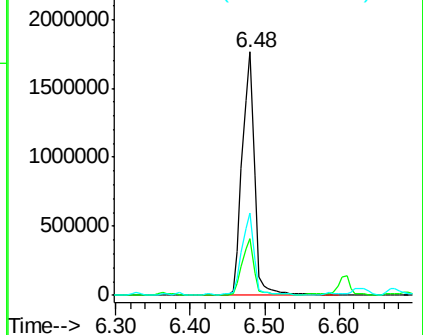
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BF114467.D

Acq: 21 May 2019 20:16

Tgt Ion: 136 Resp: 562053

Ion Ratio Lower Upper

136 100

137 18.0 8.8 13.2#

54 26.3 7.8 11.8#

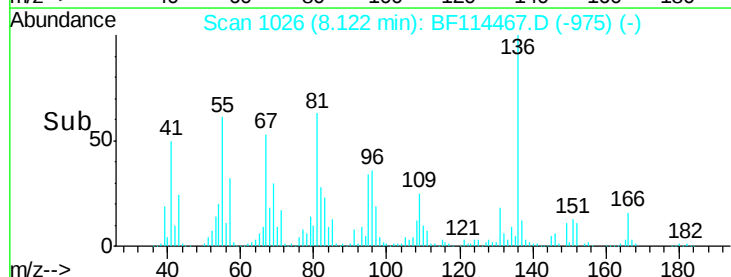
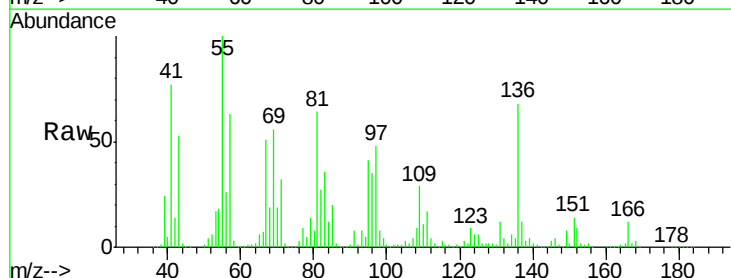
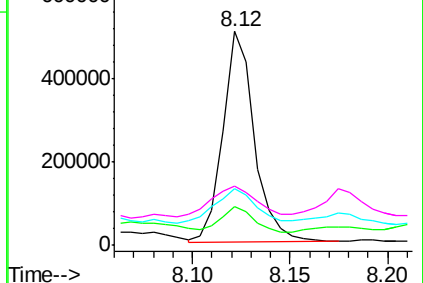
68 27.6 5.1 7.7#

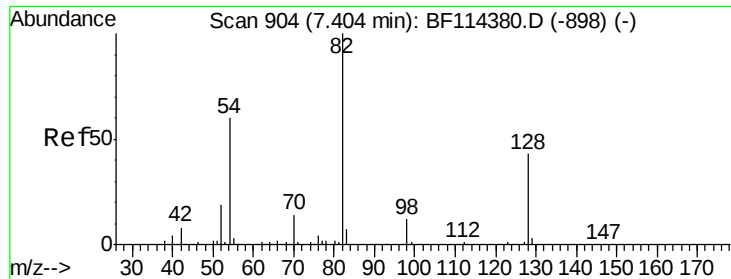
Abundance Ion 136.00 (135.70 to 136.70): E

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





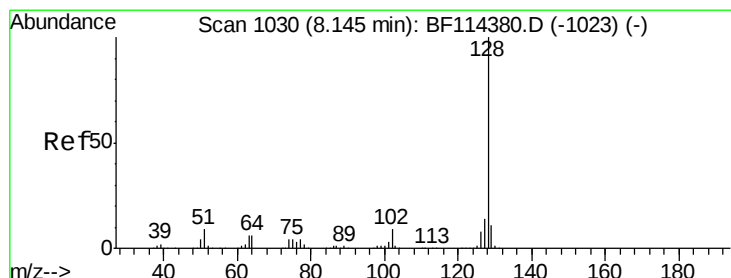
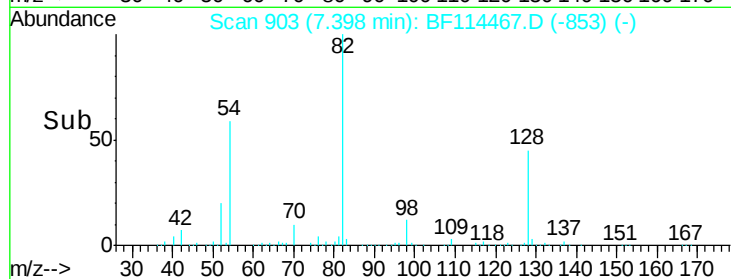
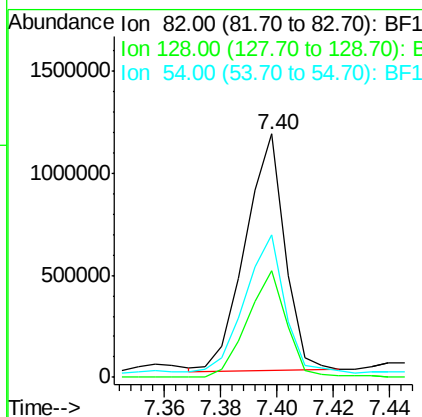
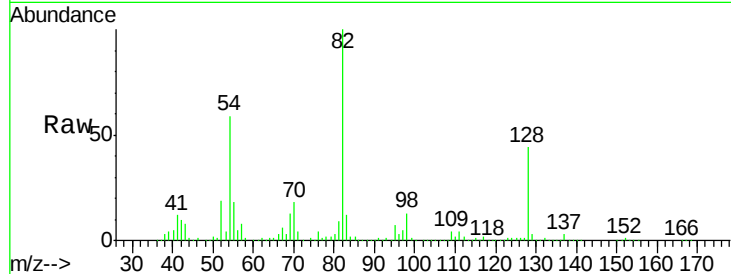
#23
 Nitrobenzene-d5
 Concen: 111.870 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF114467.D
 Acq: 21 May 2019 20:16

Instrument :
 BNA_F
 ClientSampled :
 TP-17-S

Tgt Ion: 82 Resp: 1120398
 Ion Ratio Lower Upper
 82 100
 128 43.9 35.5 53.3
 54 58.7 48.5 72.7

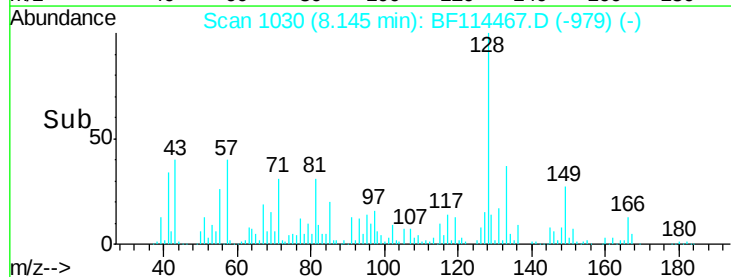
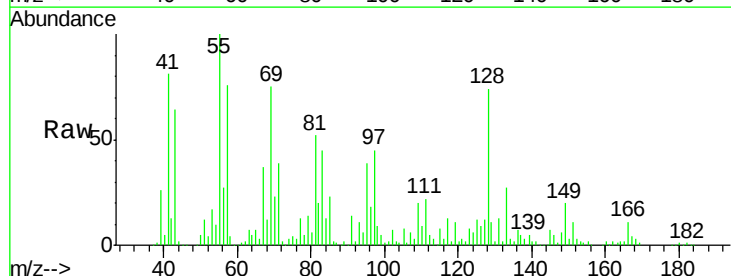
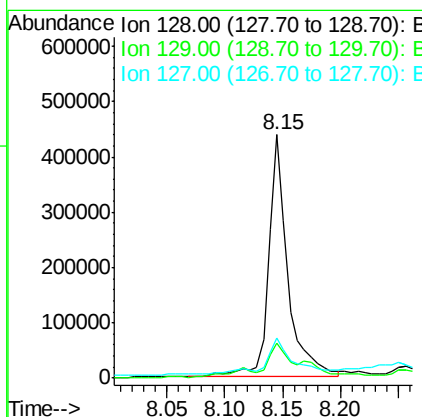
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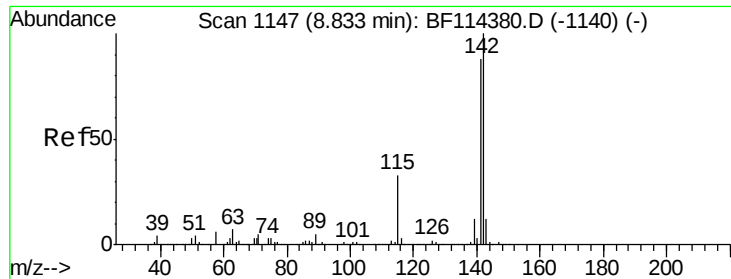
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#31
 Naphthalene
 Concen: 19.585 ng
 RT: 8.15 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: BF114467.D
 Acq: 21 May 2019 20:16

Tgt Ion: 128 Resp: 514200
 Ion Ratio Lower Upper
 128 100
 129 14.3 9.6 14.4
 127 16.2 11.3 16.9





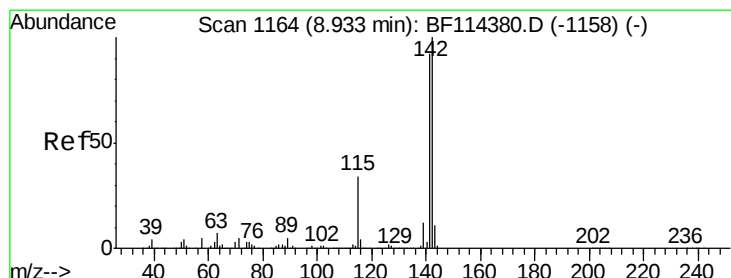
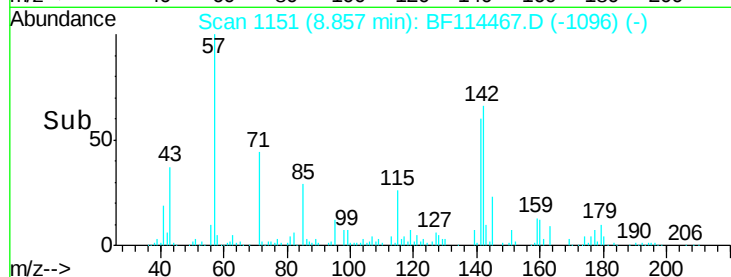
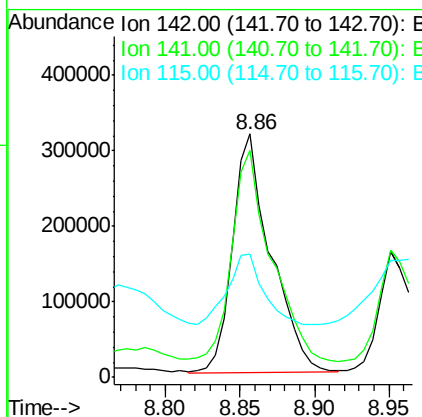
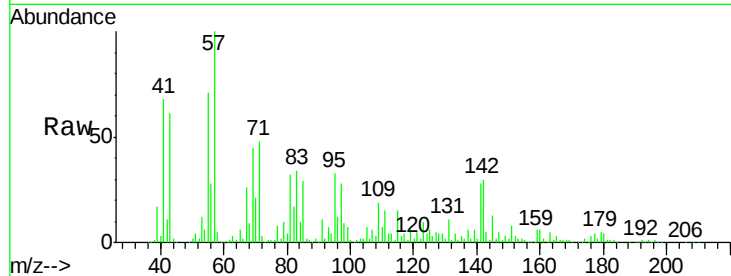
#37
2-Methylnaphthalene
Concen: 33.391 ng
RT: 8.86 min Scan# 1151
Delta R.T. 0.02 min
Lab File: BF114467.D
Acq: 21 May 2019 20:16

Instrument :
BNA_F
ClientSampled :
TP-17-S

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	72.1	108.1
115	50.9	28.0	42.0#

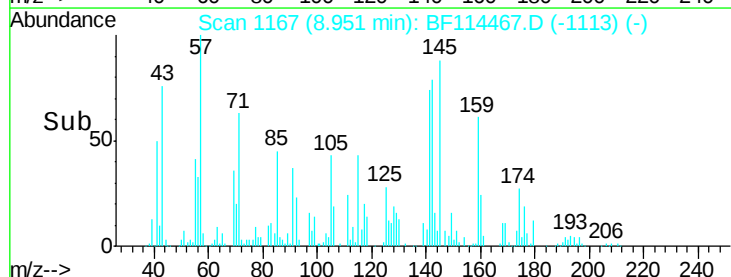
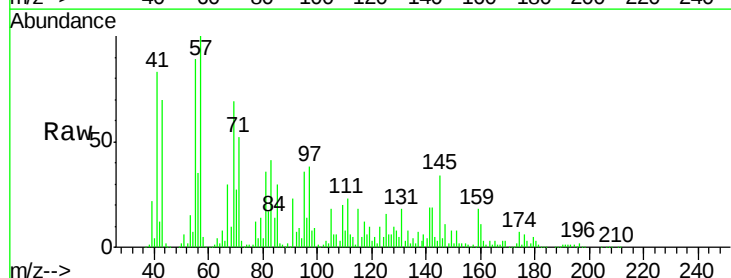
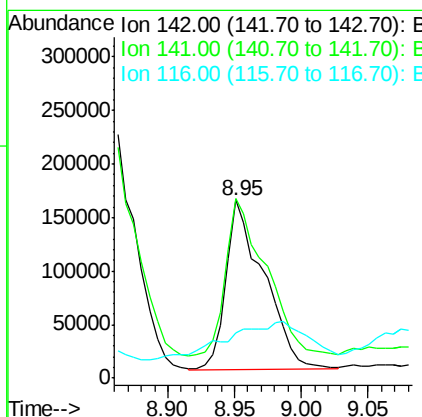
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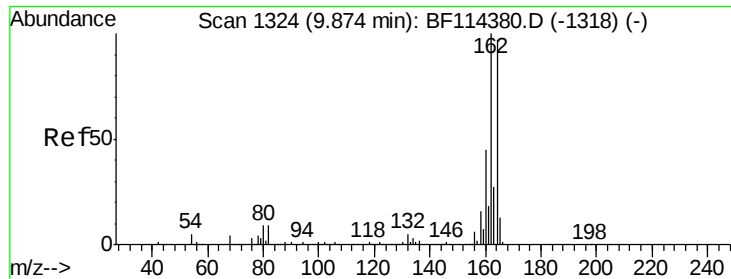
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#38
1-Methylnaphthalene
Concen: 19.715 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.02 min
Lab File: BF114467.D
Acq: 21 May 2019 20:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	101.1	73.4	110.0
116	25.1	3.1	4.7#





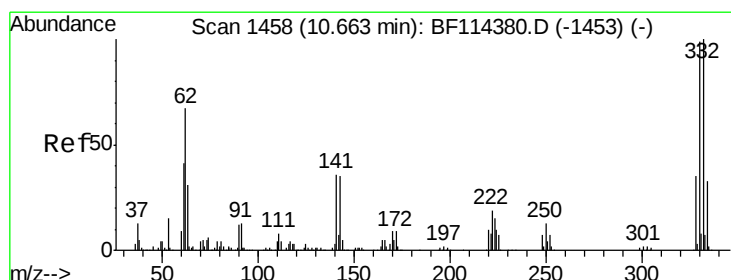
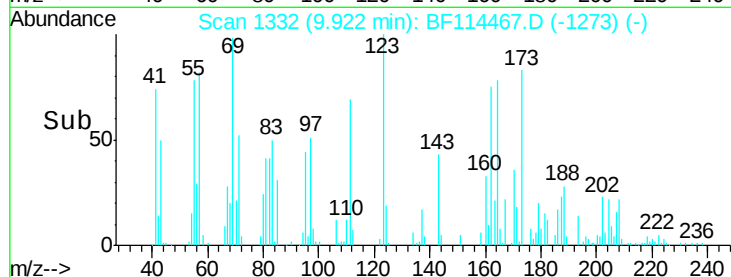
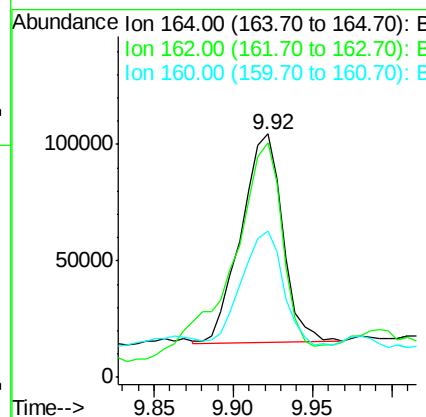
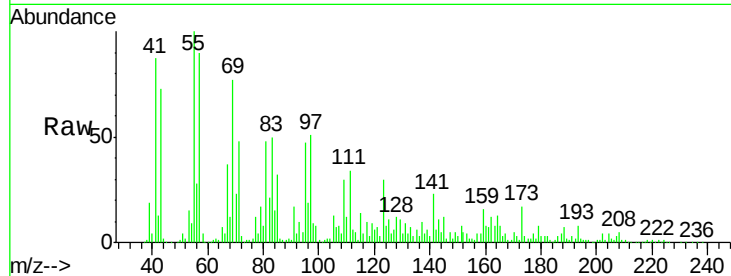
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.05 min
 Lab File: BF114467.D
 Acq: 21 May 2019 20:16

Instrument :
 BNA_F
 ClientSampled :
 TP-17-S

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	162670		
162	96.5	80.6	120.8	
160	60.2	36.5	54.7#	

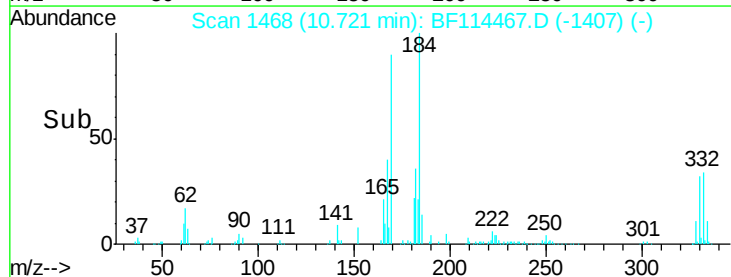
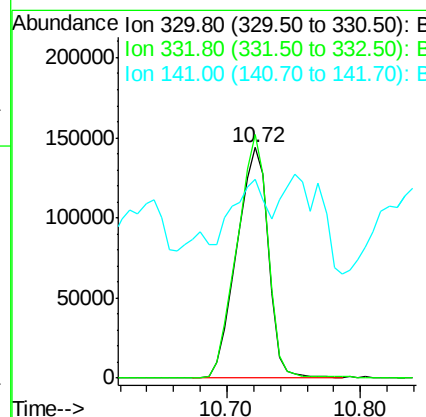
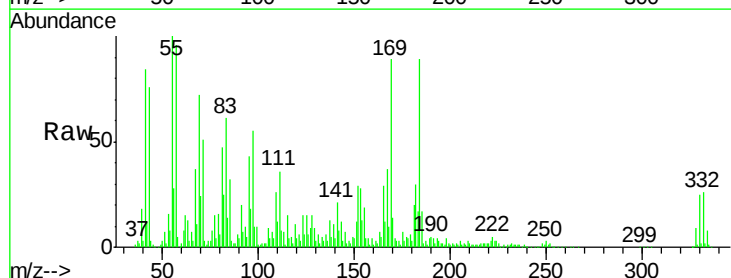
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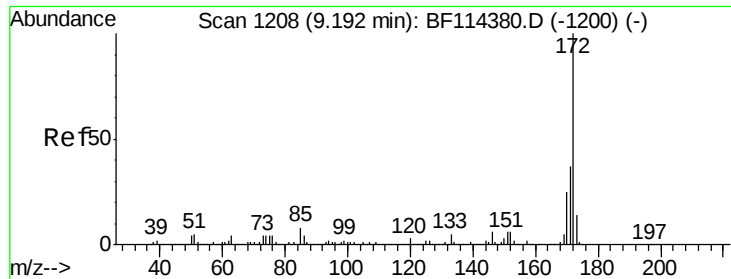
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#42
 2,4,6-Tribromophenol
 Concen: 141.154 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.06 min
 Lab File: BF114467.D
 Acq: 21 May 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	237383		
332	104.0	81.4	122.2	
141	27.5	26.6	40.0	





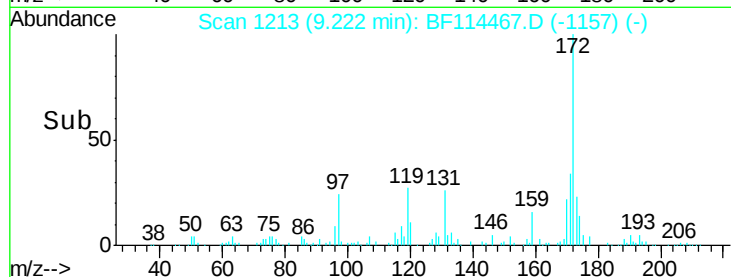
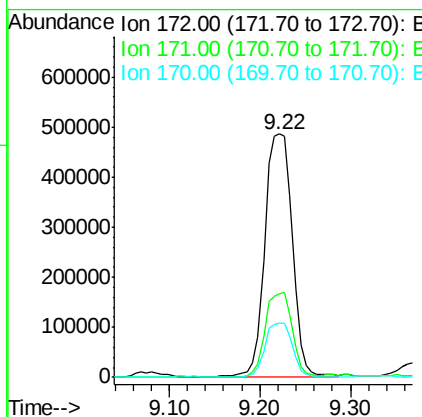
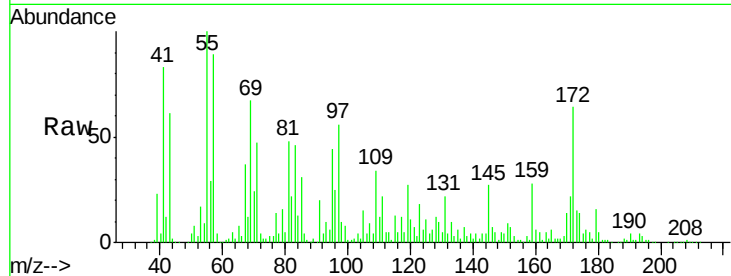
#45
2-Fluorobiphenyl
Concen: 95.174 ng
RT: 9.22 min Scan# 1213
Delta R.T. 0.03 min
Lab File: BF114467.D
Acq: 21 May 2019 20:16

Instrument :
BNA_F
ClientSampleId :
TP-17-S

Tgt Ion:172 Resp: 1023491
Ion Ratio Lower Upper
172 100
171 34.4 30.7 46.1
170 22.5 20.5 30.7

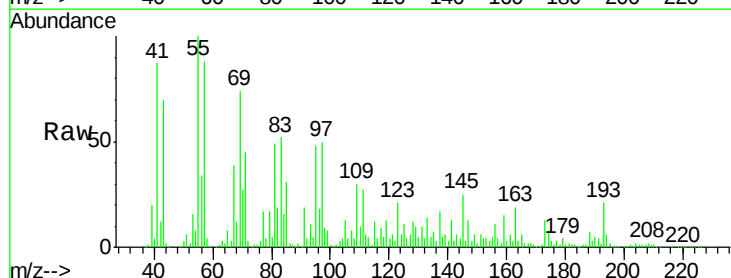
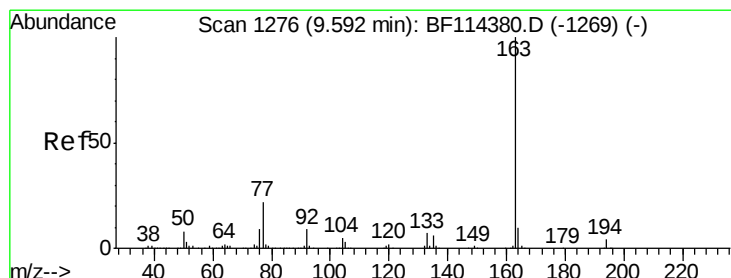
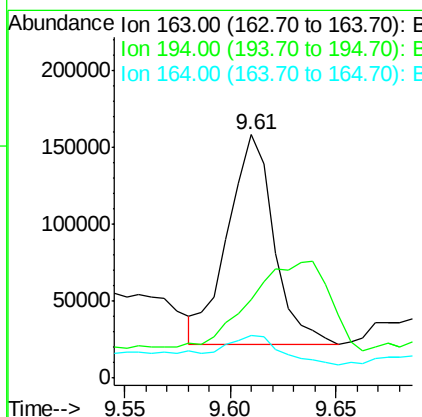
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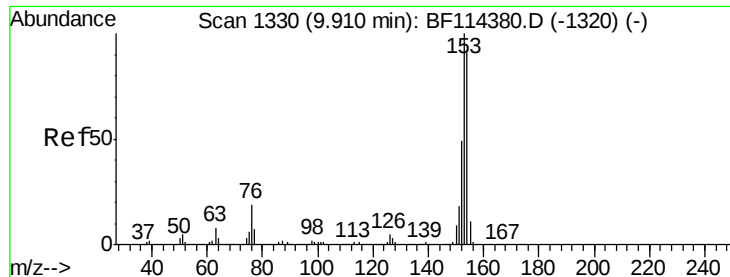
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#50
Dimethylphthalate
Concen: 17.179 ng
RT: 9.61 min Scan# 1279
Delta R.T. 0.02 min
Lab File: BF114467.D
Acq: 21 May 2019 20:16

Tgt Ion:163 Resp: 205146
Ion Ratio Lower Upper
163 100
194 32.4 3.4 5.0#
164 17.5 8.2 12.2#





#52

Acenaphthene

Concen: 13.779 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.04 min

Lab File: BF114467.D

Acq: 21 May 2019 20:16

Instrument :

BNA_F

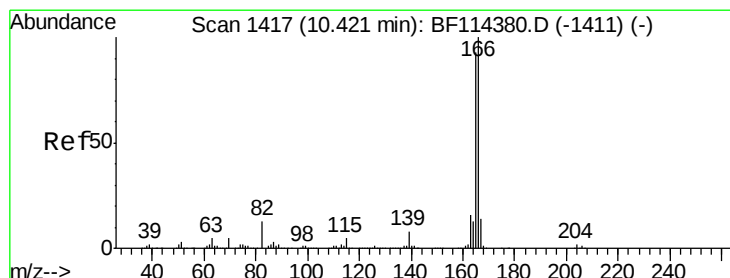
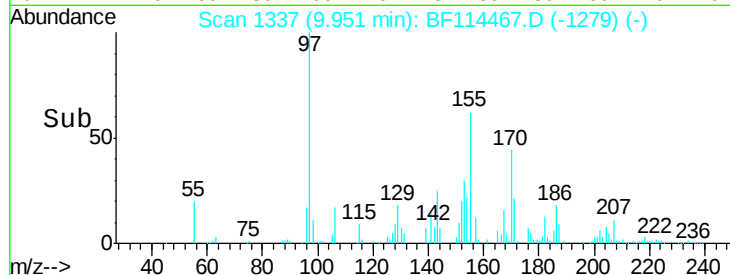
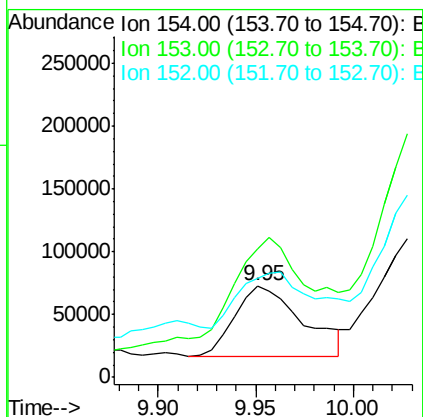
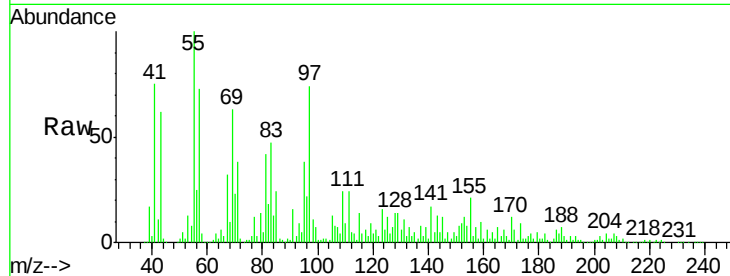
ClientSampled :

TP-17-S

Tgt Ion:	154	Resp:	136011
Ion Ratio	Lower	Upper	
154	100		
153	140.3	90.5	135.7#
152	108.2	43.4	65.2#

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#58

Fluorene

Concen: 18.751 ng

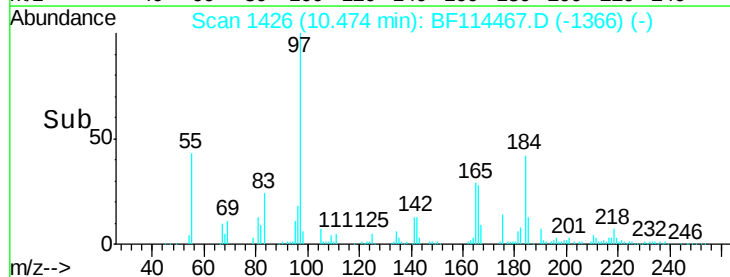
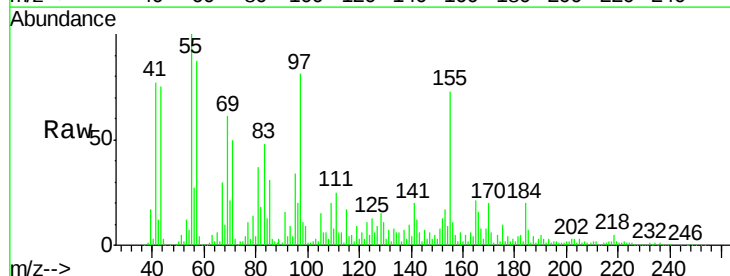
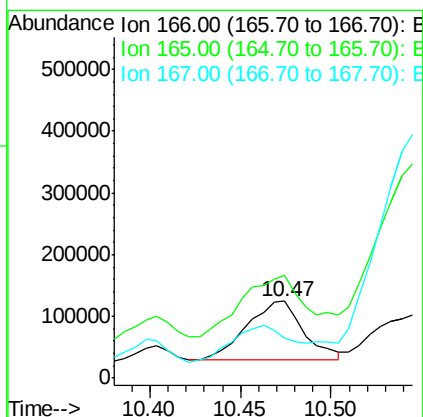
RT: 10.47 min Scan# 1426

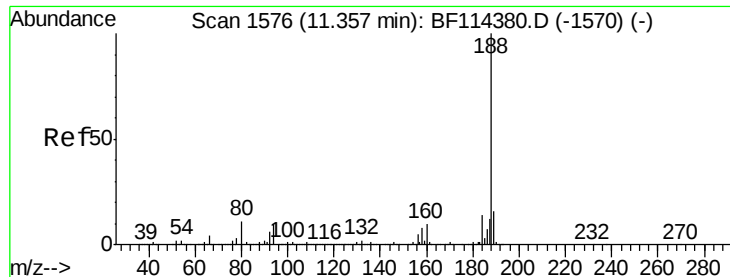
Delta R.T. 0.05 min

Lab File: BF114467.D

Acq: 21 May 2019 20:16

Tgt Ion:	166	Resp:	209642
Ion Ratio	Lower	Upper	
166	100		
165	133.3	76.1	114.1#
167	52.6	11.1	16.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.05 min

Lab File: BF114467.D

Acq: 21 May 2019 20:16

Instrument :

BNA_F

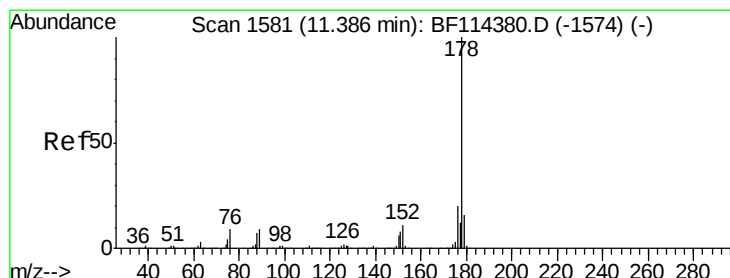
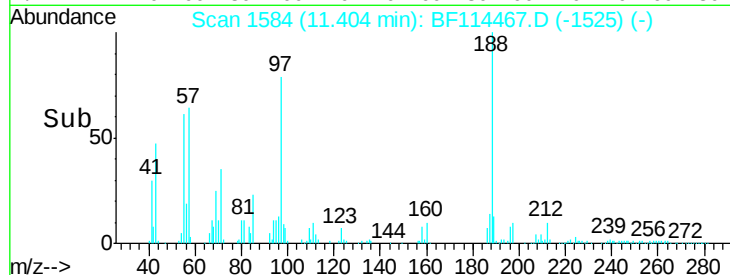
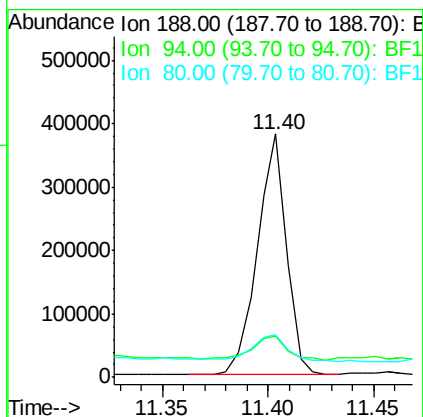
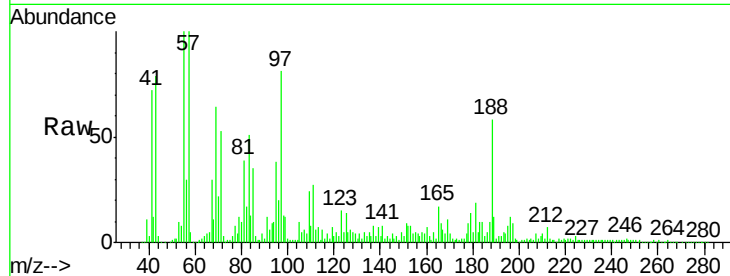
ClientSampled :

TP-17-S

Tgt Ion:	188	Resp:	362063
Ion Ratio	Lower	Upper	
188	100		
94	17.2	8.4	12.6#
80	17.6	9.2	13.8#

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#71

Phenanthrene

Concen: 38.105 ng

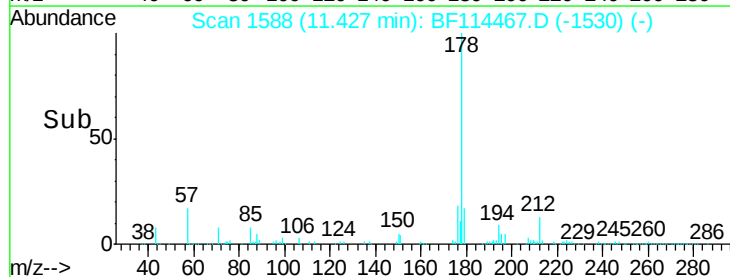
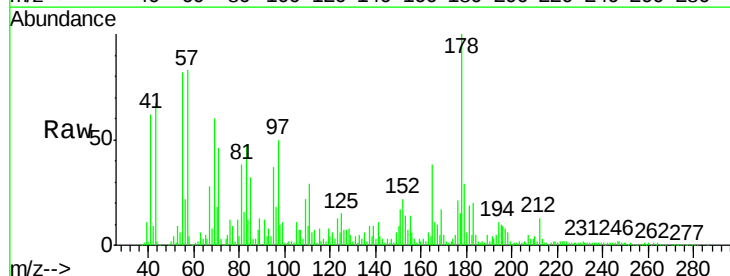
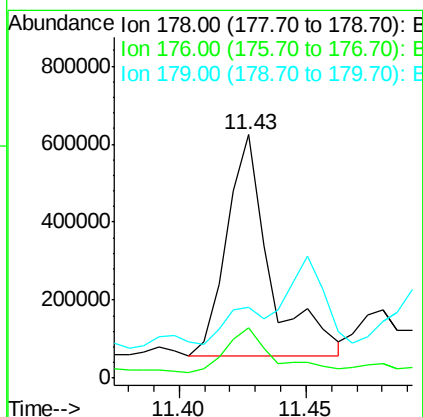
RT: 11.43 min Scan# 1588

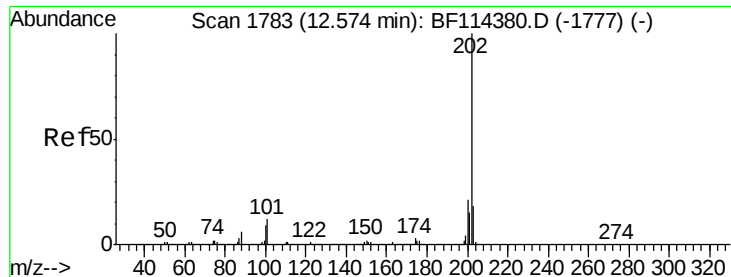
Delta R.T. 0.04 min

Lab File: BF114467.D

Acq: 21 May 2019 20:16

Tgt Ion:	178	Resp:	671216
Ion Ratio	Lower	Upper	
178	100		
176	20.6	16.4	24.6
179	28.9	13.2	19.8#





#75

Fluoranthene

Concen: 12.231 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.02 min

Lab File: BF114467.D

Acq: 21 May 2019 20:16

Instrument :

BNA_F

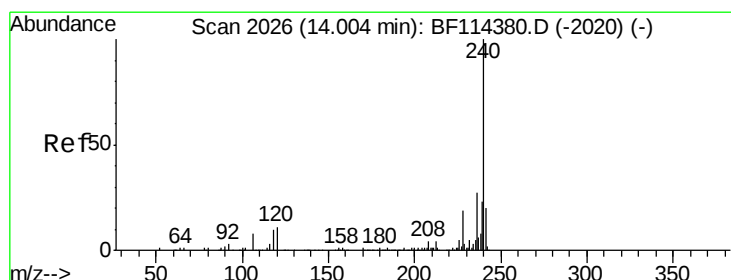
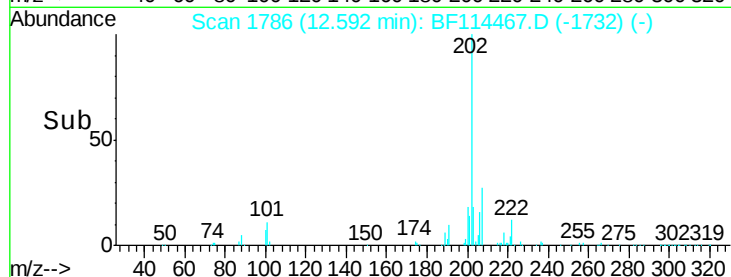
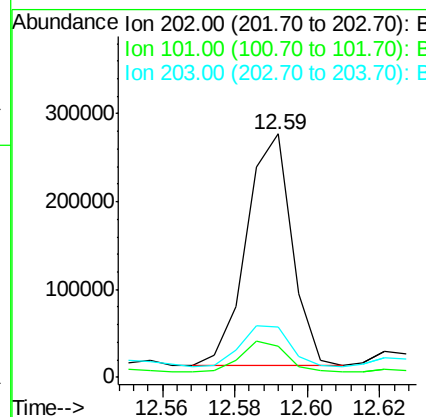
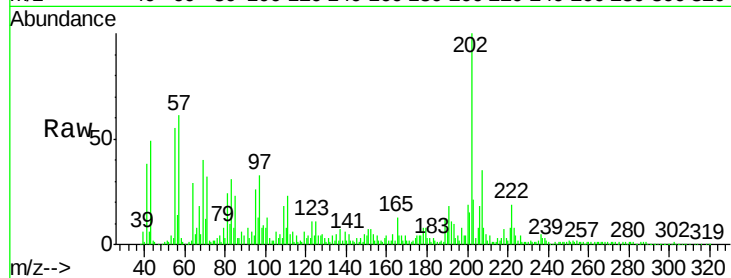
ClientSampled :

TP-17-S

Tgt Ion:	202	Resp:	232009
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	31.0
203	20.7	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

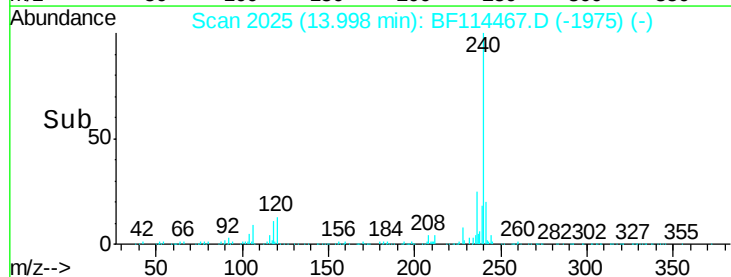
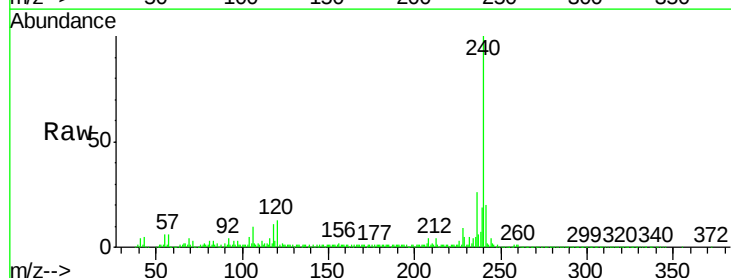
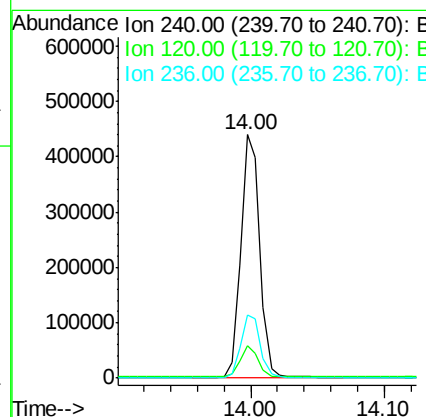
RT: 14.00 min Scan# 2025

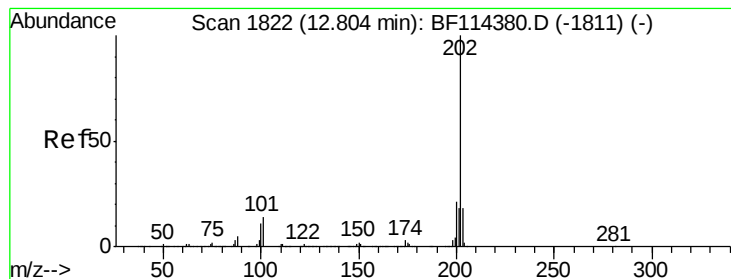
Delta R.T. -0.01 min

Lab File: BF114467.D

Acq: 21 May 2019 20:16

Tgt Ion:	240	Resp:	433703
Ion Ratio	Lower	Upper	
240	100		
120	13.4	8.3	12.5#
236	25.8	20.8	31.2





#78

Pyrene

Concen: 10.444 ng m

RT: 12.82 min Scan# 1824

Delta R.T. 0.01 min

Lab File: BF114467.D

Acq: 21 May 2019 20:16

Instrument :

BNA_F

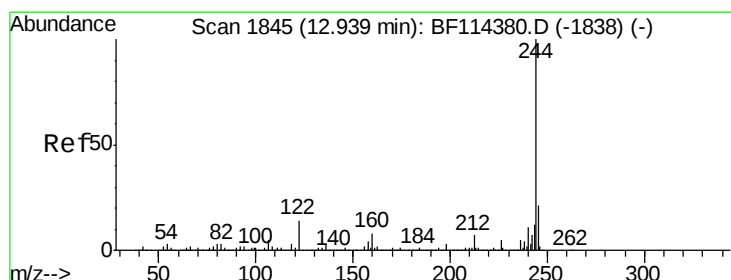
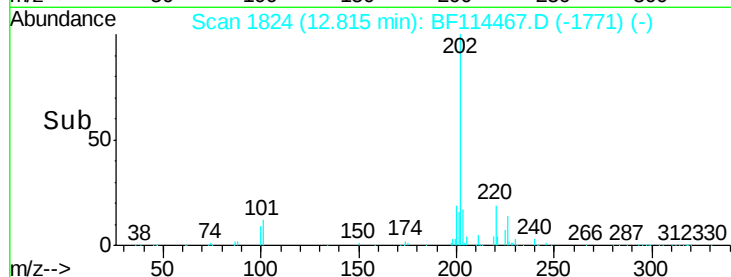
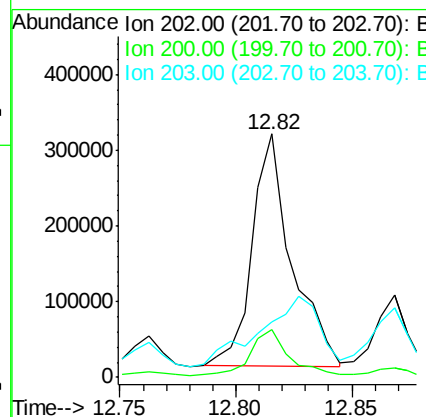
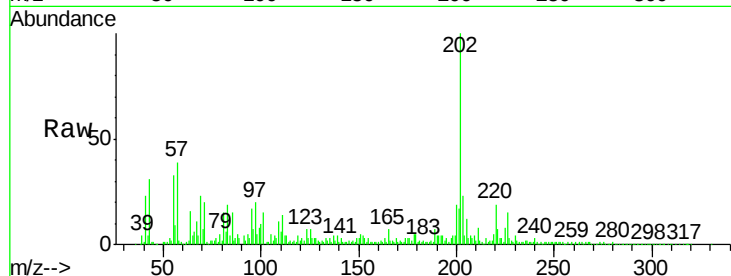
ClientSampleId :

TP-17-S

Tgt Ion:	202	Resp:	364373
Ion Ratio	Lower	Upper	
202	100		
200	19.4	16.9	25.3
203	23.0	14.5	21.7#

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#79

Terphenyl-d14

Concen: 58.997 ng

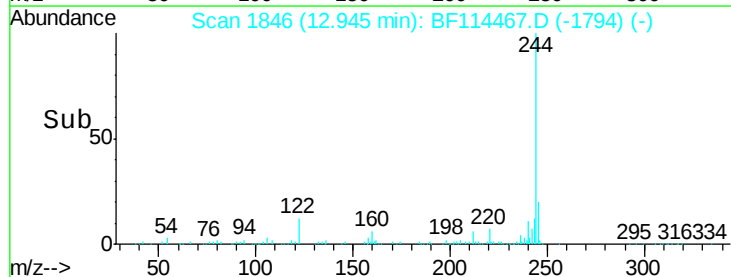
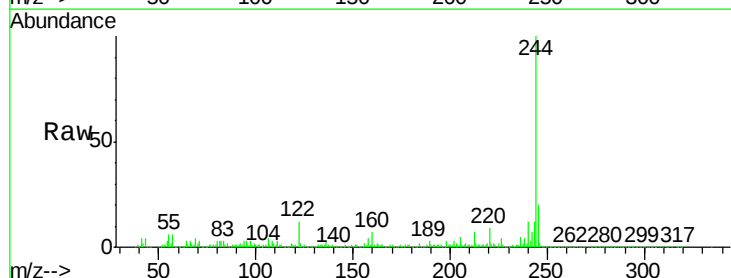
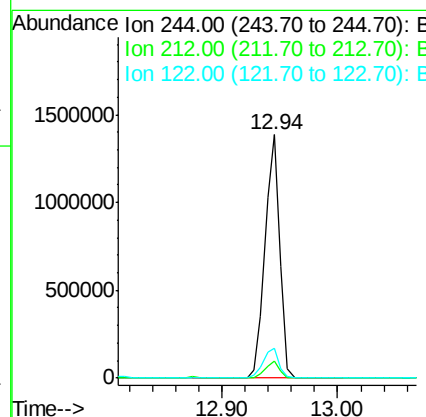
RT: 12.94 min Scan# 1846

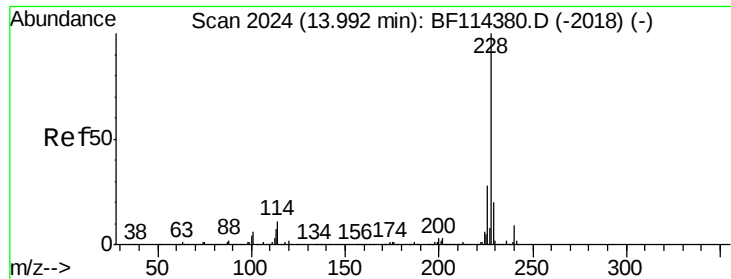
Delta R.T. 0.01 min

Lab File: BF114467.D

Acq: 21 May 2019 20:16

Tgt Ion:	244	Resp:	1241241
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.8	8.6
122	12.4	9.4	14.2





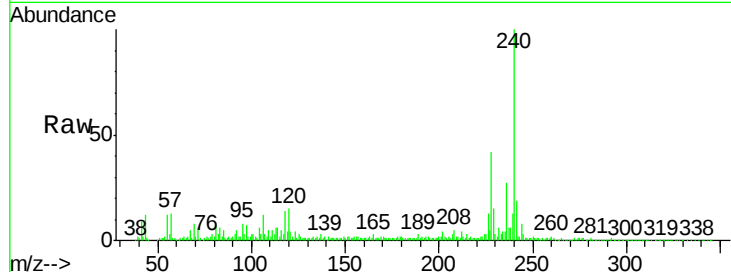
#81
Benzo(a)anthracene
Concen: 3.329 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF114467.D
Acq: 21 May 2019 20:16

Instrument :
BNA_F
ClientSampled :
TP-17-S

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	93375		
226	29.8	22.2	33.2	
229	36.2	16.4	24.6	

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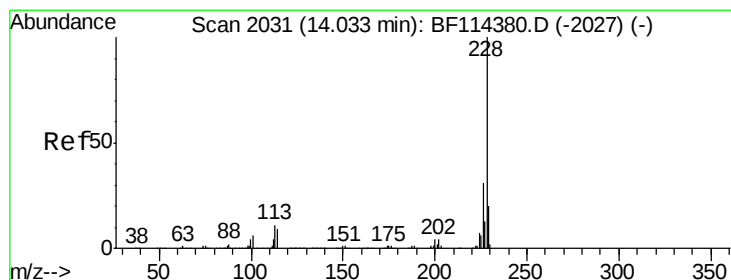
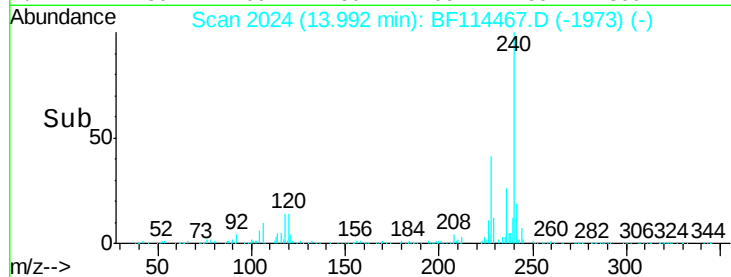
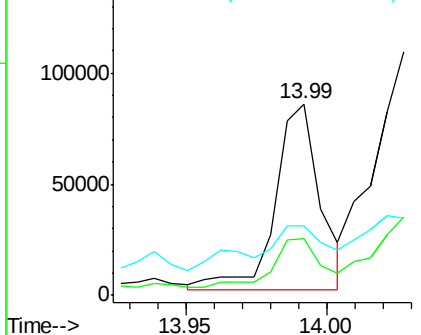


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 4.631 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF114467.D
Acq: 21 May 2019 20:16

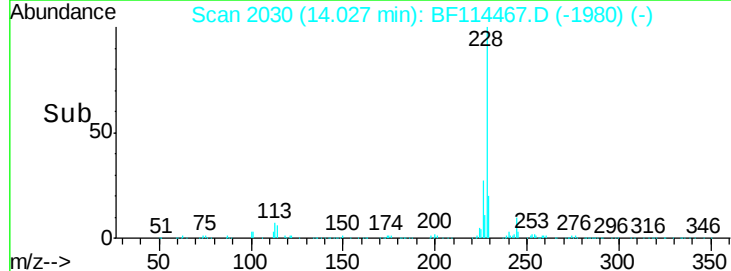
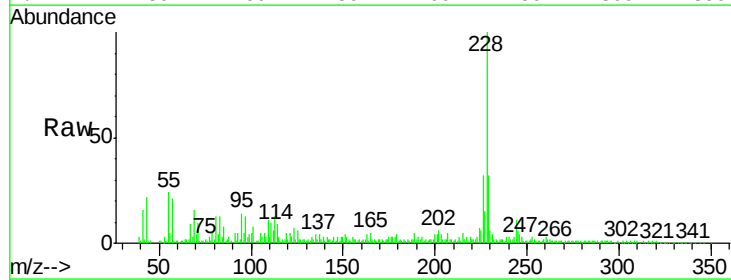
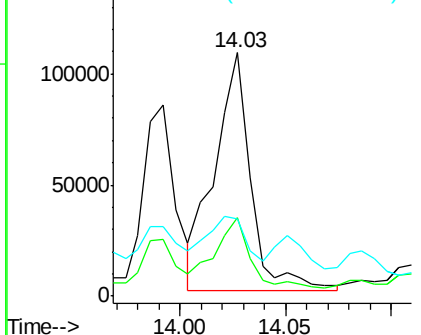
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	127342		
226	32.4	25.0	37.6	
229	31.9	17.0	25.6	

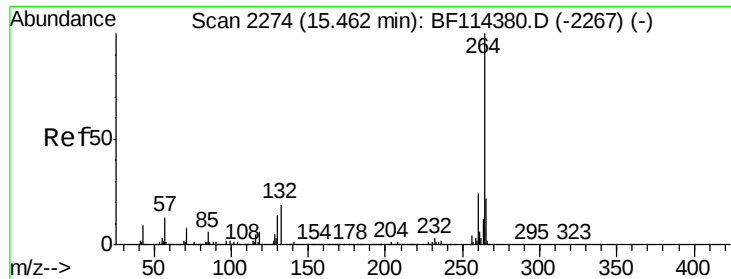
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.01 min

Lab File: BF114467.D

Acq: 21 May 2019 20:16

Instrument :

BNA_F

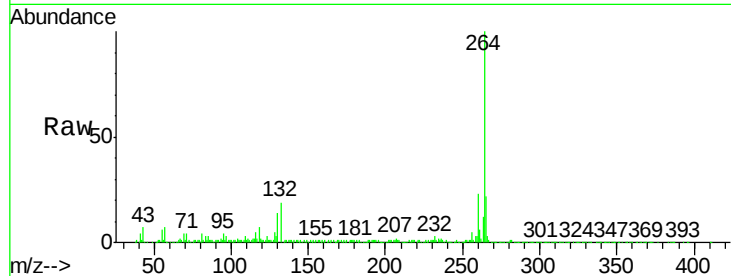
ClientSampleId :

TP-17-S

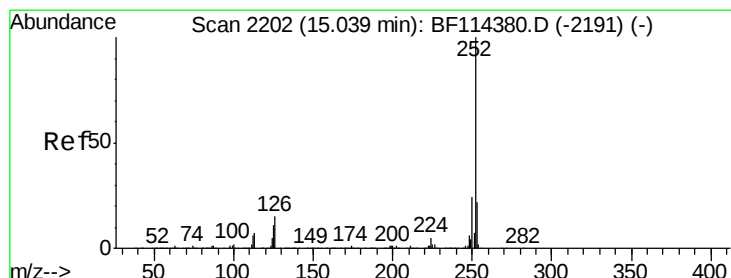
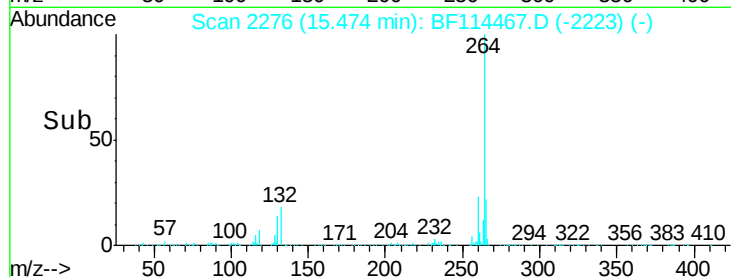
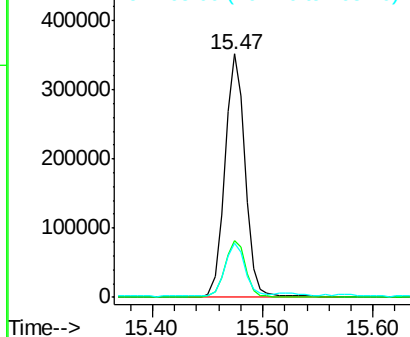
Tgt Ion:	264	Resp:	449072
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.4	29.0
265	22.3	16.9	25.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 3.681 ng m

RT: 15.04 min Scan# 2203

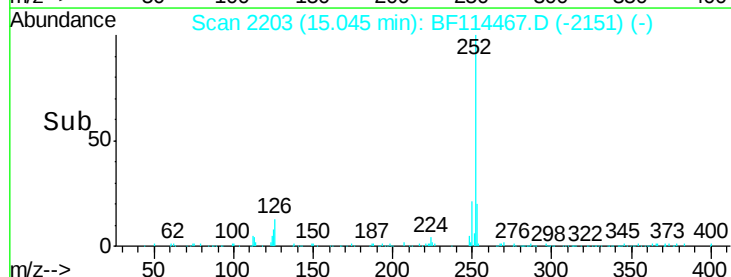
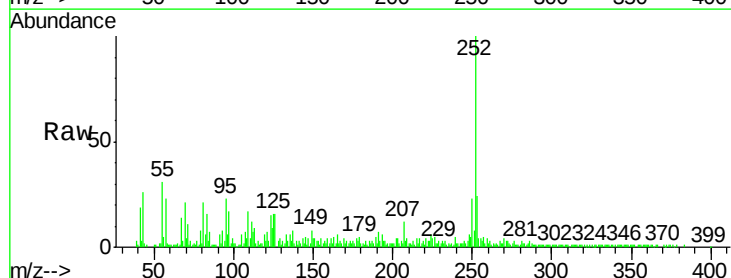
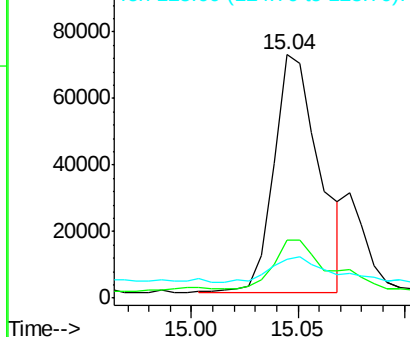
Delta R.T. 0.01 min

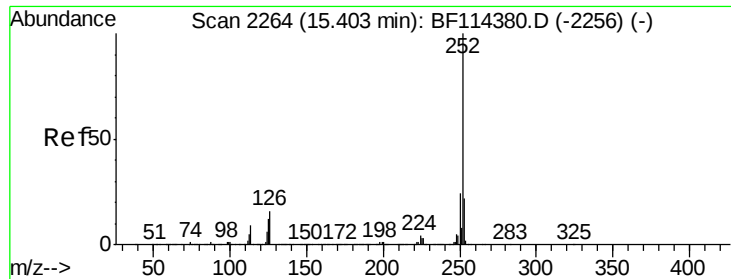
Lab File: BF114467.D

Acq: 21 May 2019 20:16

Tgt Ion:	252	Resp:	105914
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.8	26.8
125	16.0	8.3	12.5#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90
 Benzo(a)pyrene
 Concen: 2.054 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. 0.01 min
 Lab File: BF114467.D
 Acq: 21 May 2019 20:16

Instrument :
 BNA_F
 ClientSampleId :
 TP-17-S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.1	27.1
125	19.5	9.5	14.3

Manual Integrations
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