

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
 Data File : BF111599.D
 Acq On : 19 Dec 2018 19:25
 Operator : JU/SJ
 Sample : J6403-01RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-A

Manual Integrations
 APPROVED

Sohil
 12/20/2018 12:42:01 PM

Quant Time: Dec 20 11:00:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	192591	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	703318	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	337462	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	601540	20.00	ng	0.00
76) Chrysene-d12	14.04	240	517146	20.00	ng	0.00
87) Perylene-d12	15.52	264	559493	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	875459	77.48	ng	0.00
7) Phenol-d6	6.52	99	1102375	76.66	ng	0.00
23) Nitrobenzene-d5	7.45	82	675502	55.91	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	285085	71.50	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	1138023	49.15	ng	0.00
79) Terphenyl-d14	12.99	244	1002265	36.75	ng	0.00
Target Compounds						
10) Phenol	6.53	94	71304	4.395	ng	93
50) Dimethylphthalate	9.64	163	117703	4.770	ng	97
71) Phenanthrene	11.43	178	111822	3.505	ng	94
75) Fluoranthene	12.62	202	216906	6.714	ng	95
78) Pyrene	12.84	202	198533	5.436	ng	95
81) Benzo(a)anthracene	14.03	228	96105	3.256	ng	100
83) Chrysene	14.07	228	98807	3.406	ng	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	60153	2.439	ng	# 84
88) Benzo(b)fluoranthene	15.09	252	133943m	4.096	ng	
90) Benzo(a)pyrene	15.45	252	92360m	3.109	ng	
92) Benzo(g,h,i)perylene	17.43	276	52028	2.048	ng	# 87

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

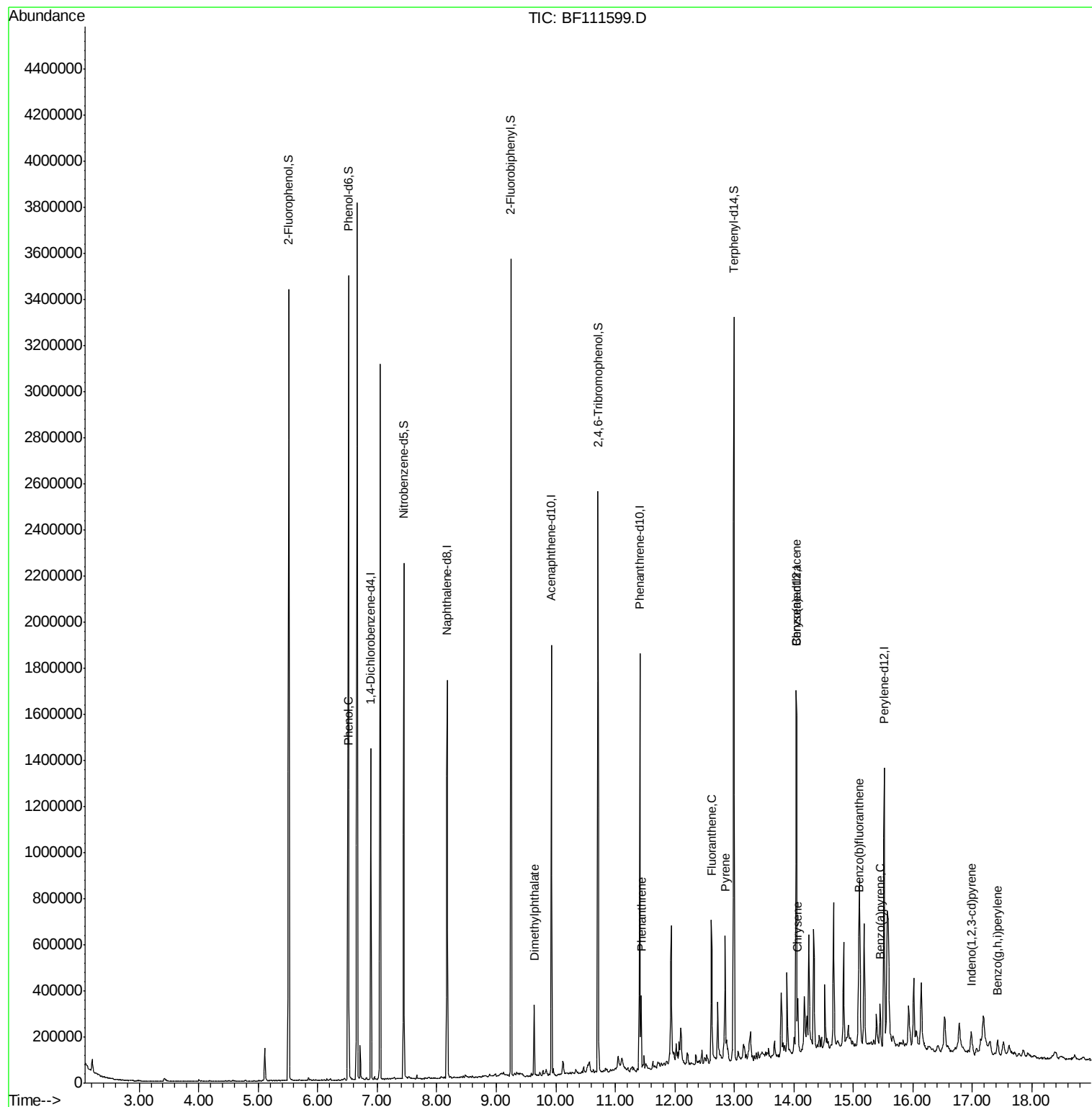
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121918\
Data File : BF111599.D
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Operator : JU/SJ
Sample : J6403-01RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

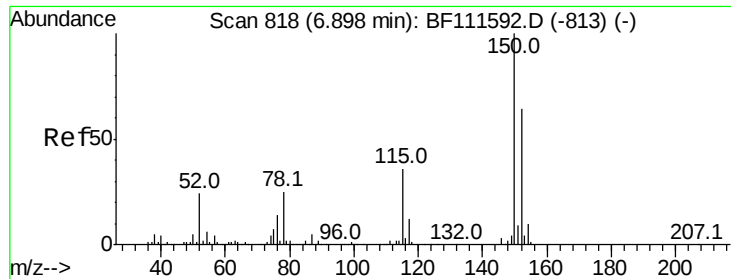
Instrument :
BNA_F
ClientSampleId :
TP-1-A

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#1

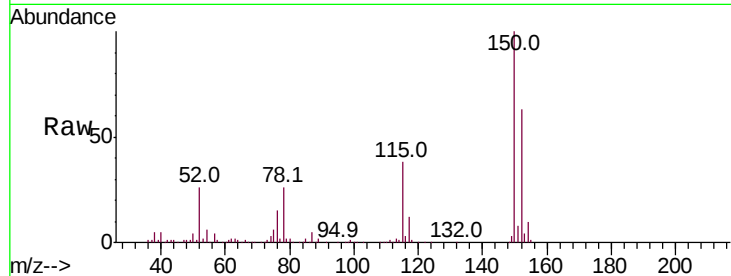
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Instrument :
BNA_F
ClientSampled :
TP-1-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.6	189.8
115	60.0	50.7	76.1

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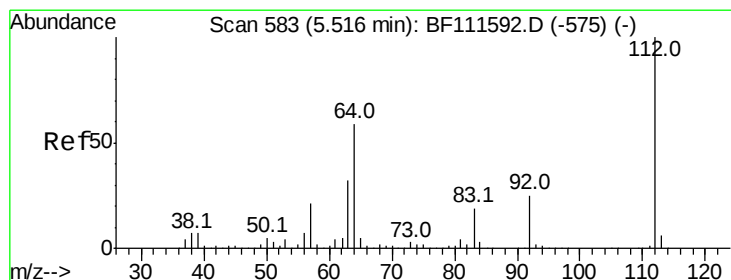
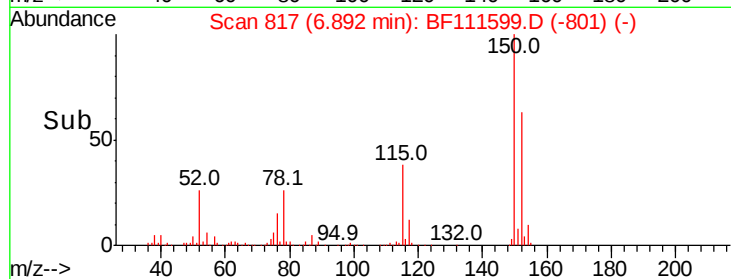
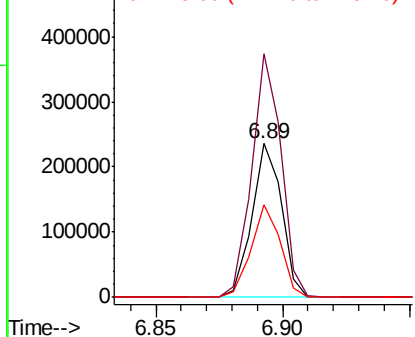


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

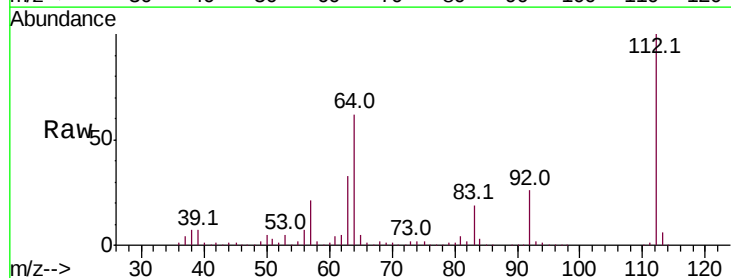
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 77.483 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	51.8	77.6
63	33.2	26.8	40.2

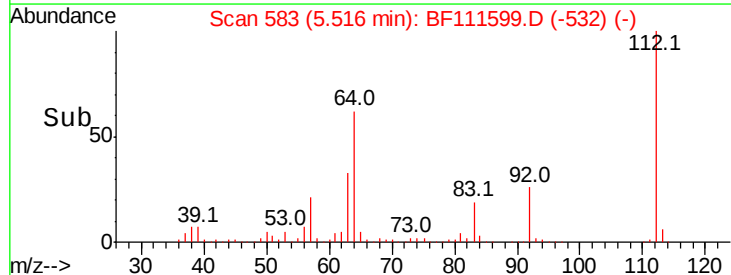
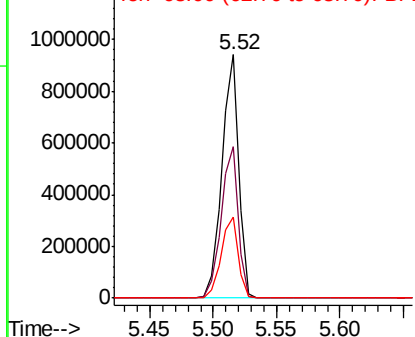


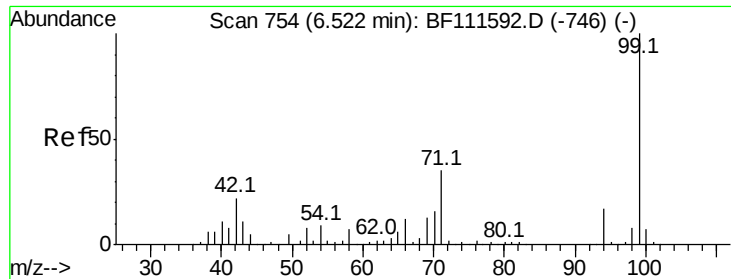
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 76.664 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

Instrument :

BNA_F

ClientSampled :

TP-1-A

Tot Ion: 99 Resp: 1102375

Ion Ratio Lower Upper

99 100

42 22.5 17.4 26.0

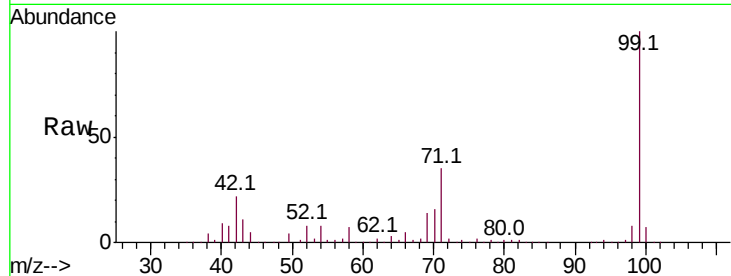
71 34.8 26.1 39.1

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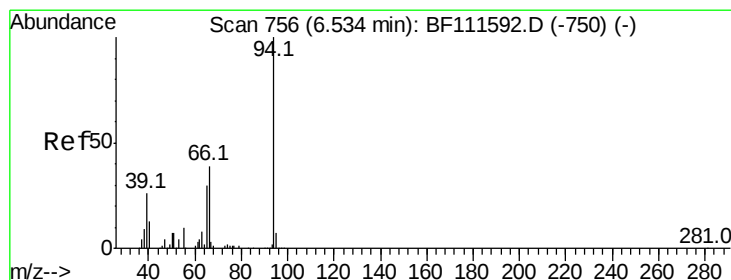
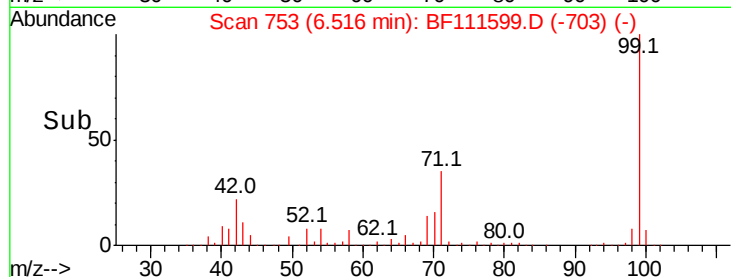
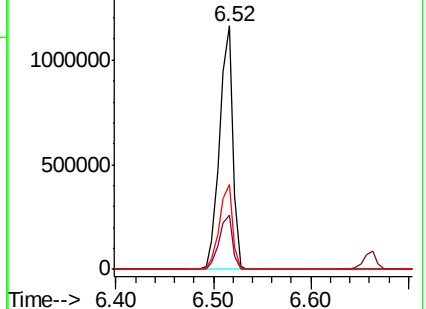
12/20/2018 12:42:01 PM



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



#10

Phenol

Concen: 4.395 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

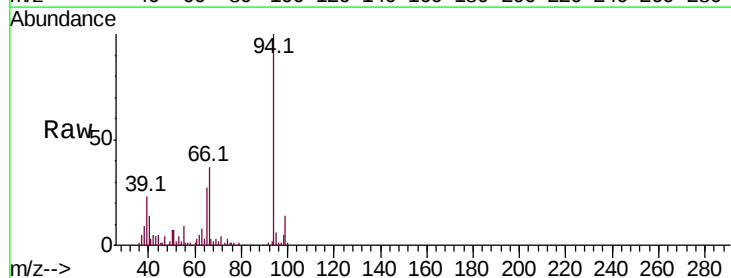
Tgt Ion: 94 Resp: 71304

Ion Ratio Lower Upper

94 100

65 27.2 11.7 51.7

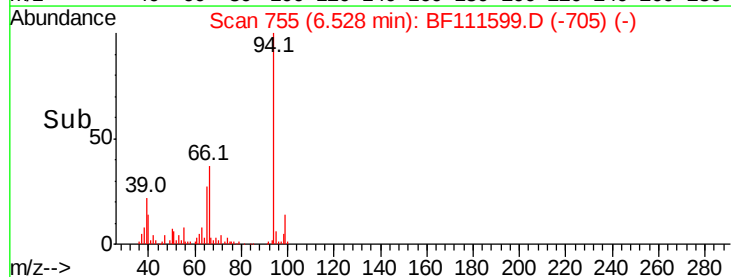
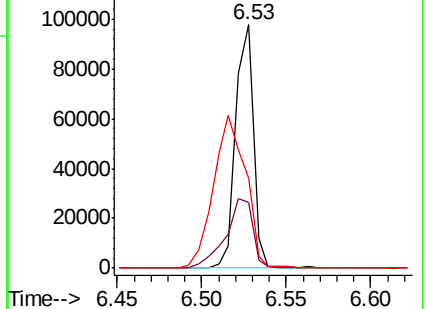
66 36.9 21.0 61.0

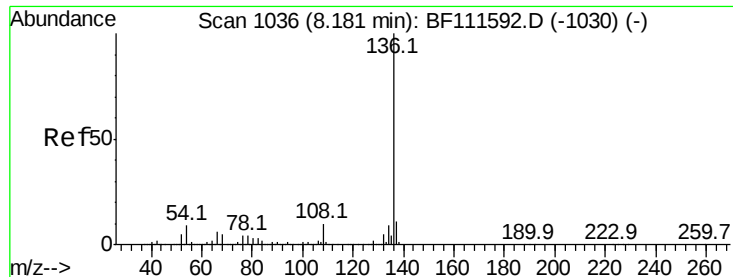


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

Instrument :

BNA_F

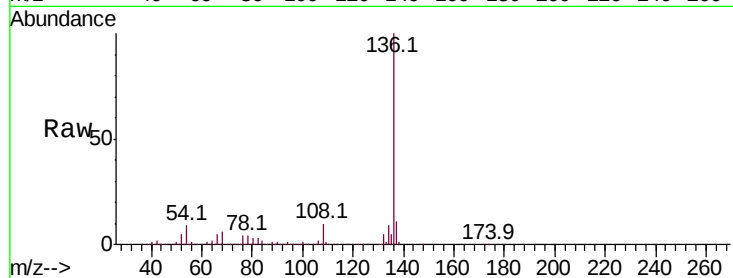
ClientSampleId :

TP-1-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		703318		
137	10.9	9.1	13.7		
54	8.8	7.7	11.5		
68	5.7	4.9	7.3		

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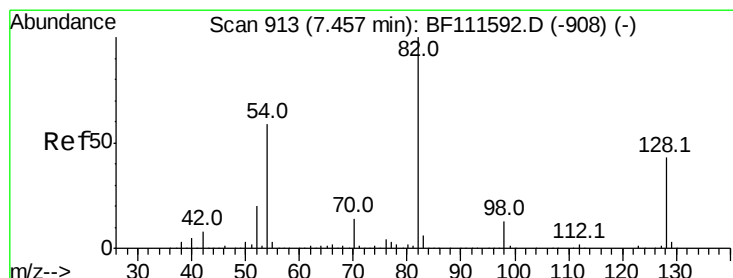
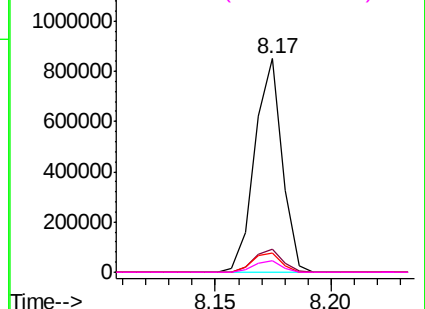
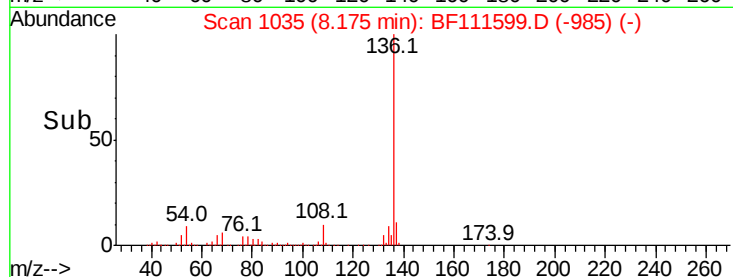
Abundance

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: 55.906 ng

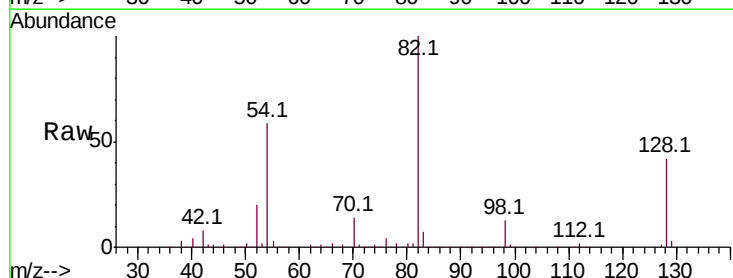
RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		675502		
128	42.1	37.4	56.2		
54	59.3	47.6	71.4		

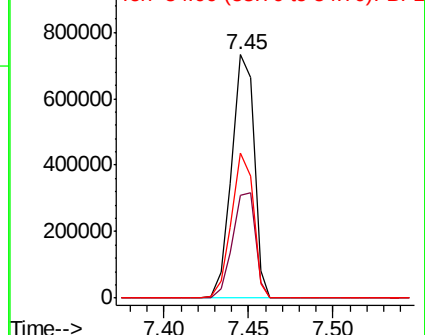
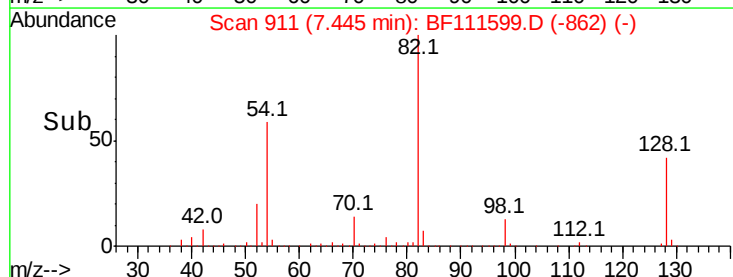


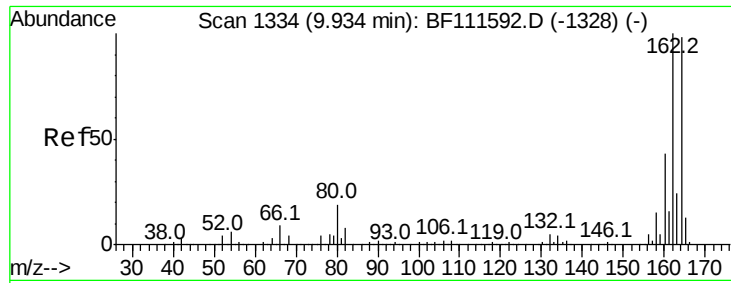
Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





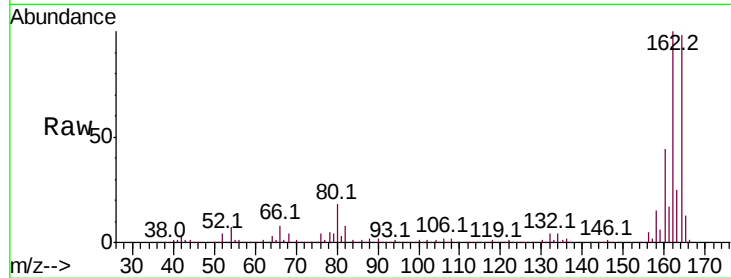
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Instrument :
BNA_F
ClientSampled :
TP-1-A

Tot Ion	Ratio	Resp	Lower	Upper
164	100	337462		
162	102.1	81.4	122.0	
160	44.6	35.7	53.5	

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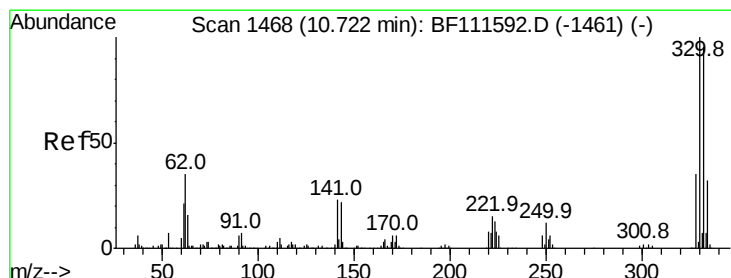
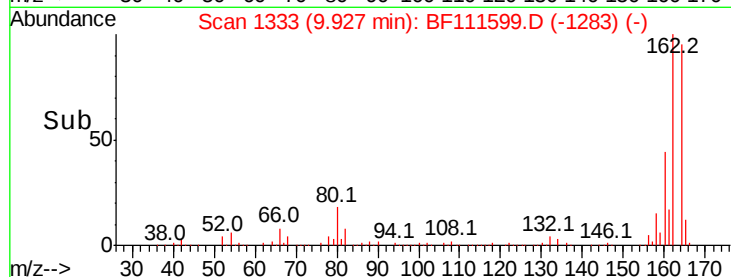
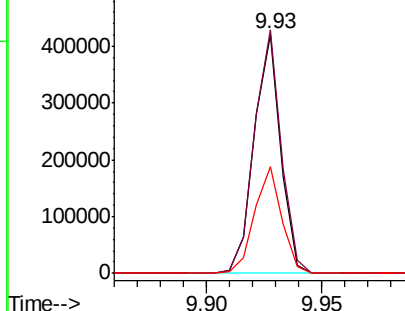


Abundance

Ion 164.00 (163.70 to 164.70): E

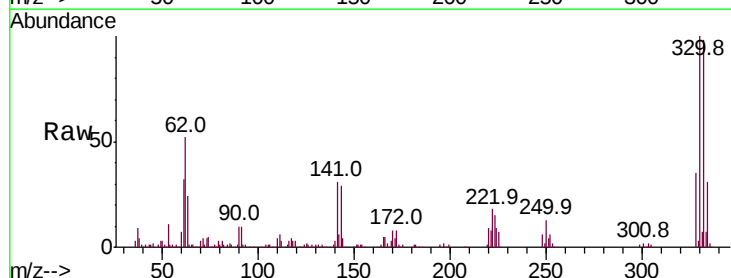
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 71.497 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	285085		
332	95.8	76.0	114.0	
141	30.2	31.0	46.6#	

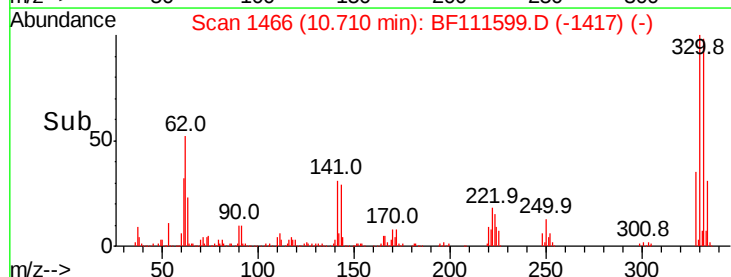
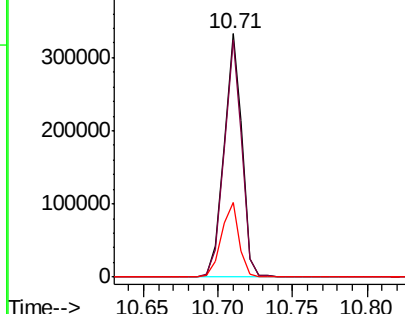


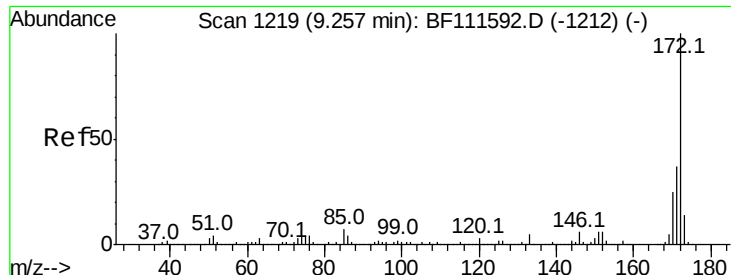
Abundance

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





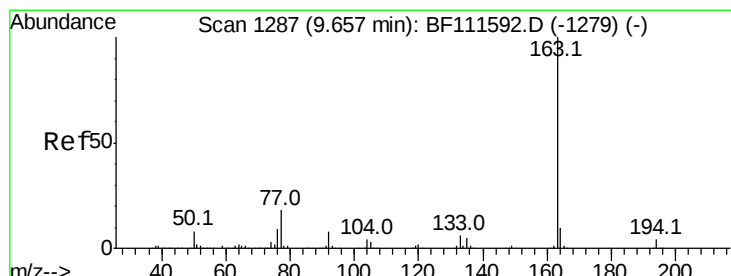
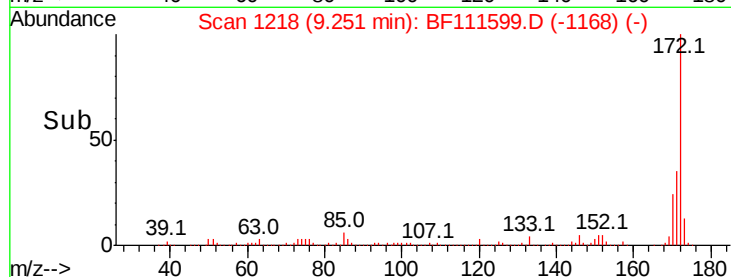
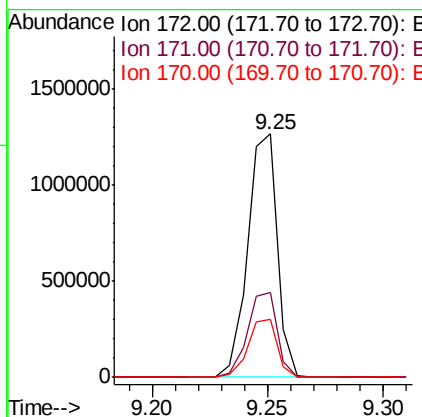
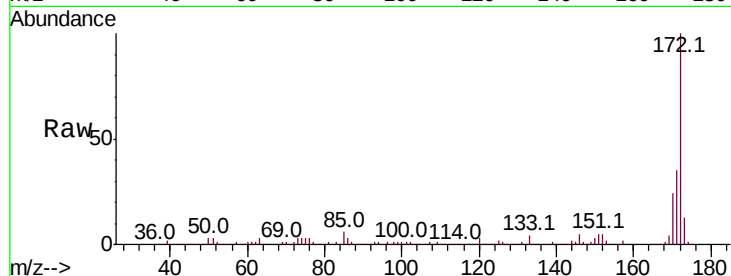
#45
2-Fluorobiphenyl
Concen: 49.154 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Instrument :
BNA_F
ClientSampleId :
TP-1-A

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	33.0	49.4
170	23.7	22.3	33.5

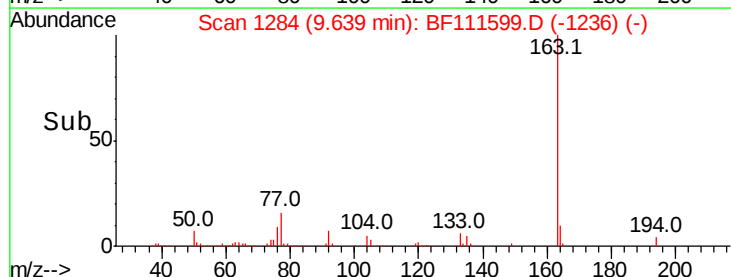
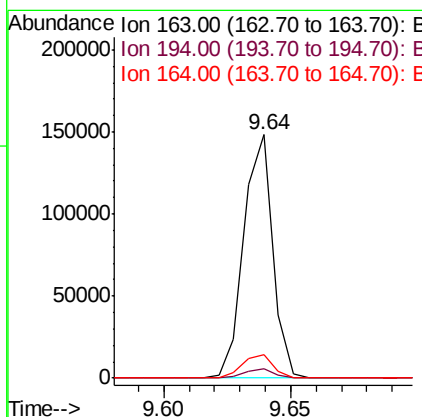
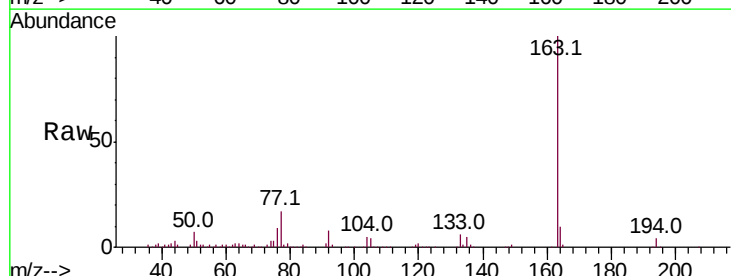
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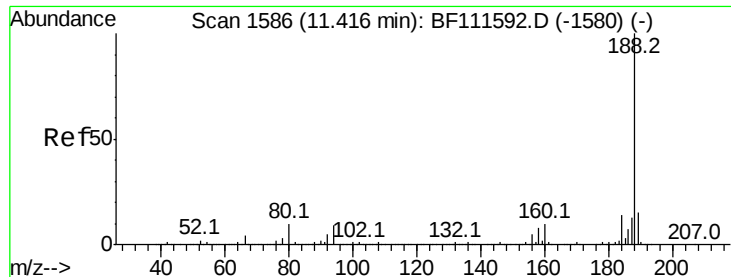
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#50
Dimethylphthalate
Concen: 4.770 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	9.7	8.9	13.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

Instrument :

BNA_F

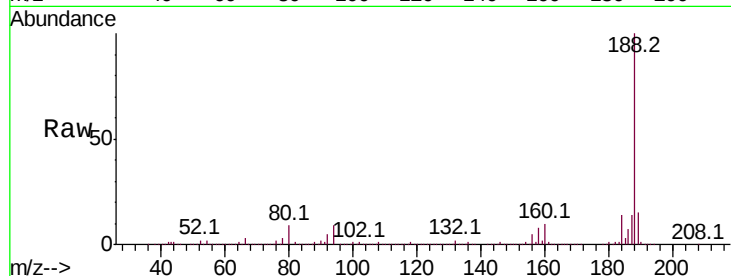
ClientSampled :

TP-1-A

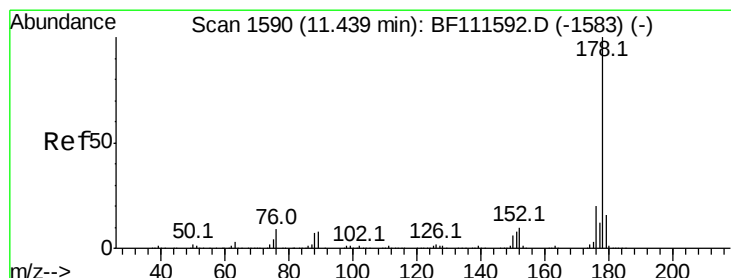
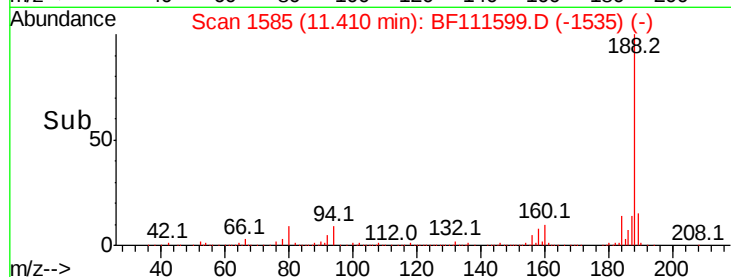
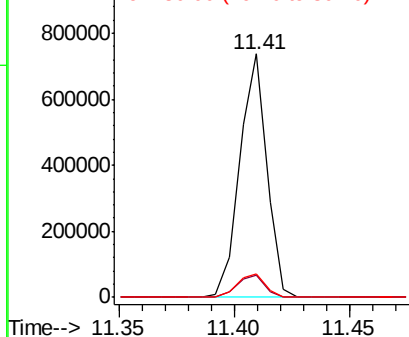
Tot Ion:	188	Resp:	601540
Ion Ratio	Lower	Upper	
188	100		
94	9.0	9.6	14.4#
80	9.4	9.8	14.6#

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Abundance Ion 188.00 (187.70 to 188.70): E
1000000
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 3.505 ng

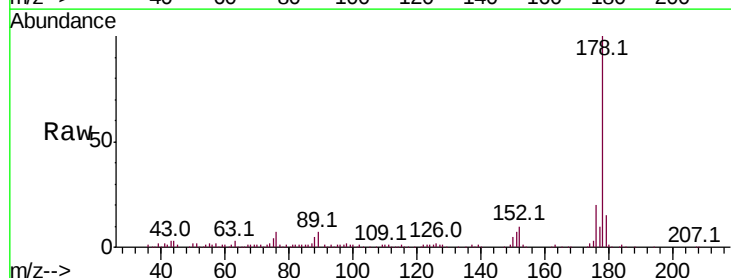
RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

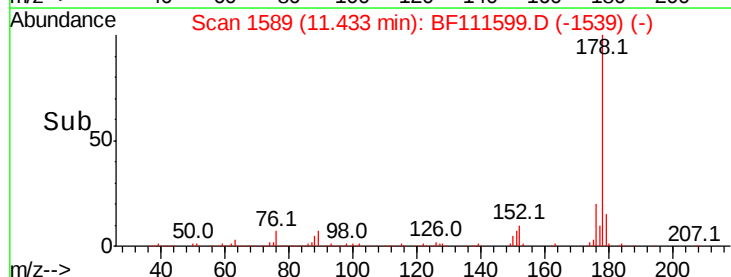
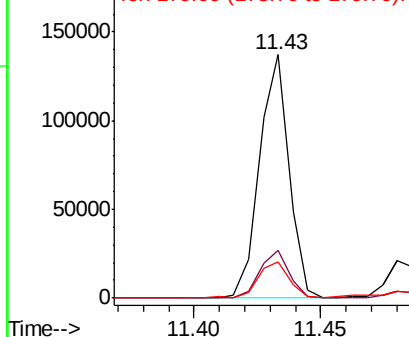
Lab File: BF111599.D

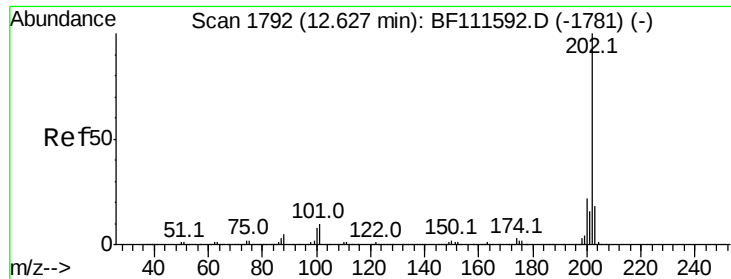
Acq: 19 Dec 2018 19:25

Tgt Ion:	178	Resp:	111822
Ion Ratio	Lower	Upper	
178	100		
176	19.8	18.1	27.1
179	14.9	14.0	21.0



Abundance Ion 178.00 (177.70 to 178.70): E
150000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.714 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF111599.D

Acq: 19 Dec 2018 19:25

Instrument :

BNA_F

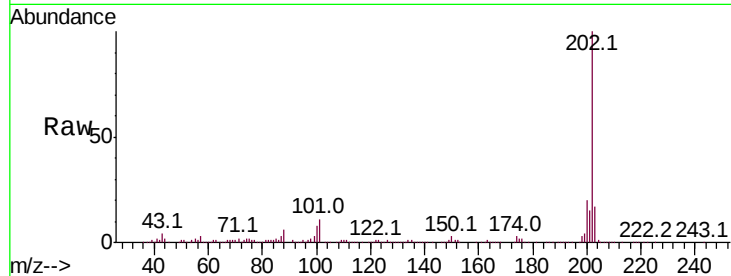
ClientSampleId :

TP-1-A

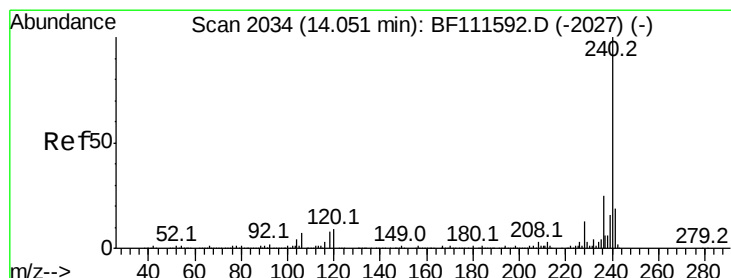
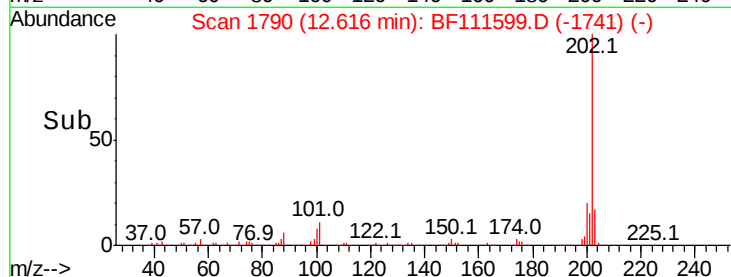
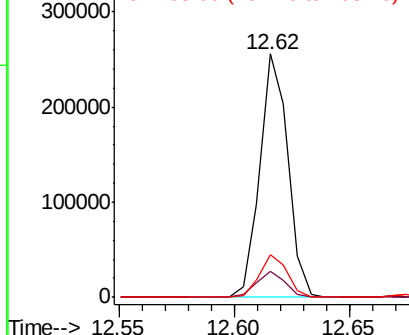
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.8	0.0	33.8
203	17.3	0.0	38.6

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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

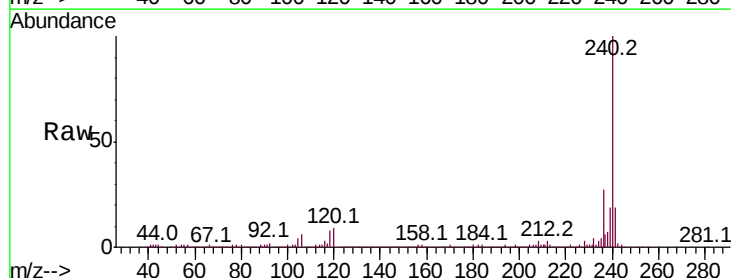
RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

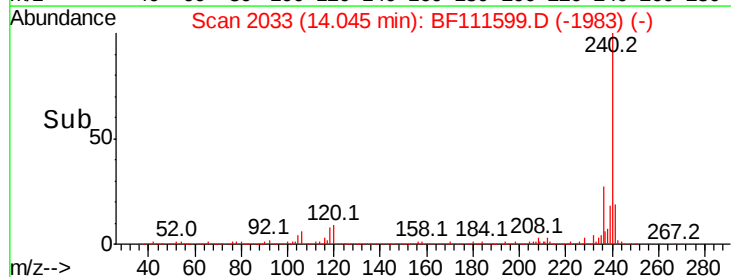
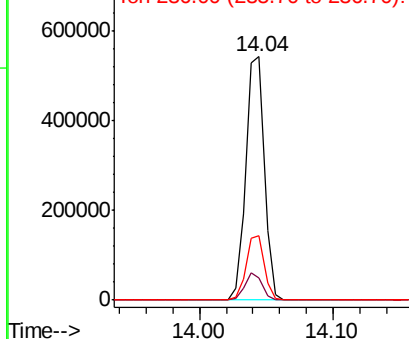
Lab File: BF111599.D

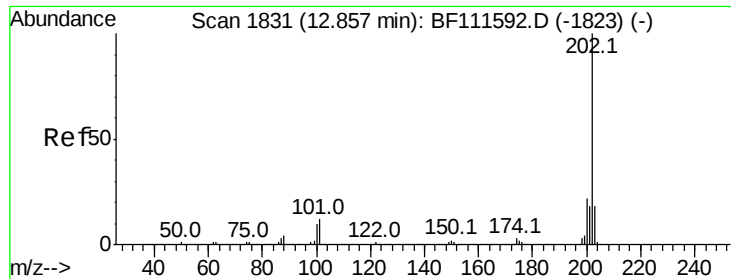
Acq: 19 Dec 2018 19:25

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.9	12.2	18.2#
236	26.5	20.2	30.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





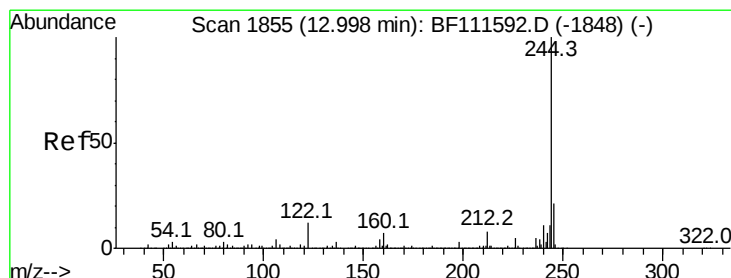
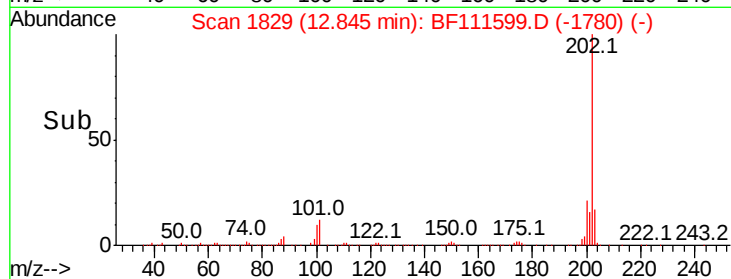
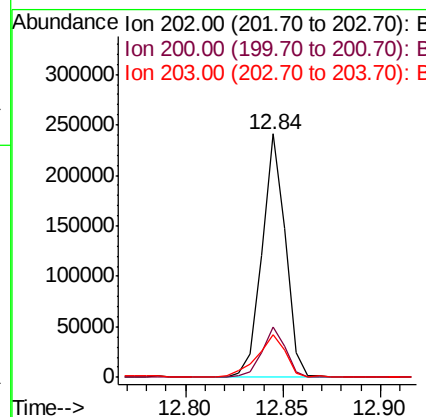
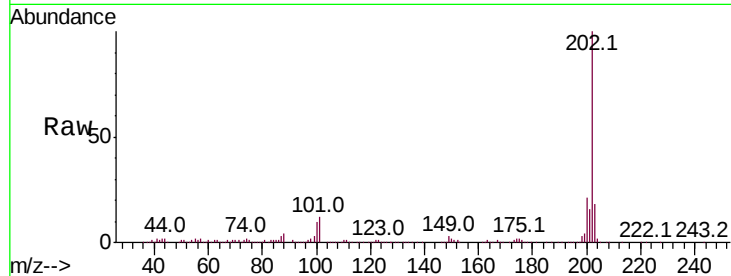
#78
Pvrene
Concen: 5.436 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Instrument :
BNA_F
ClientSampleId :
TP-1-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	19.0	28.4
203	17.7	15.2	22.8

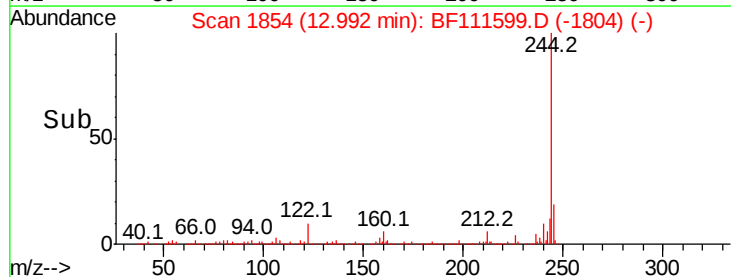
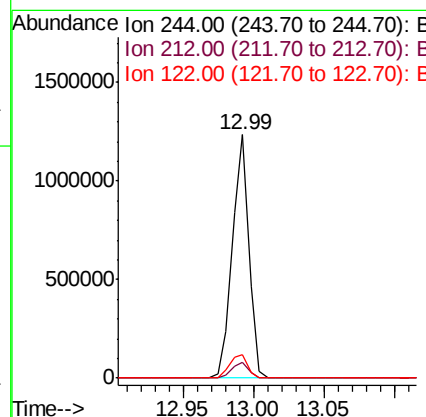
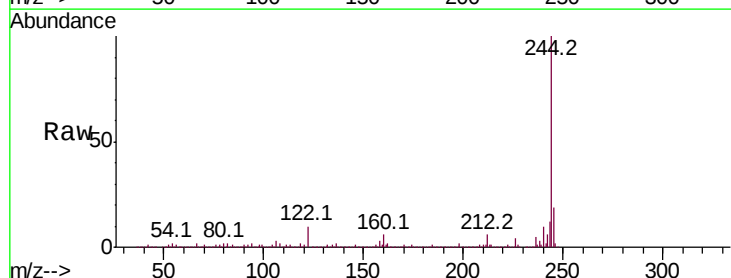
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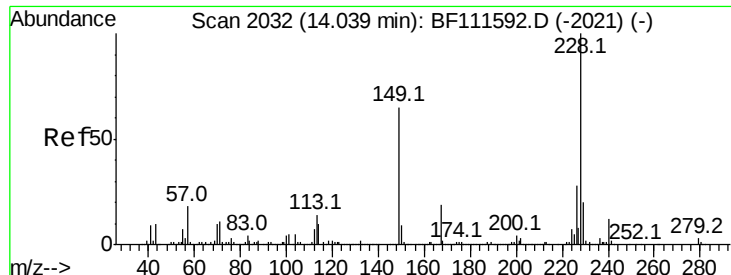
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#79
Terphenyl-d14
Concen: 36.754 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.4	5.7	8.5
122	9.8	13.1	19.7#





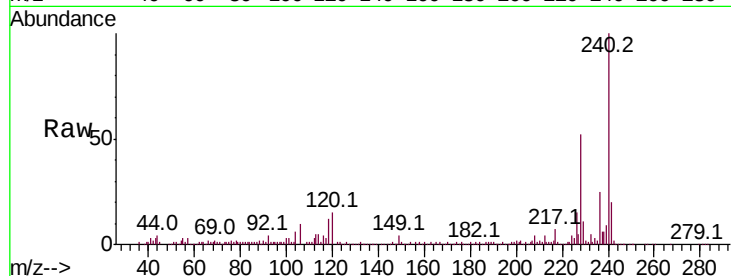
#81
Benzo(a)anthracene
Concen: 3.256 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Instrument :
BNA_F
ClientSampled :
TP-1-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	34.0
229	20.8	16.3	24.5

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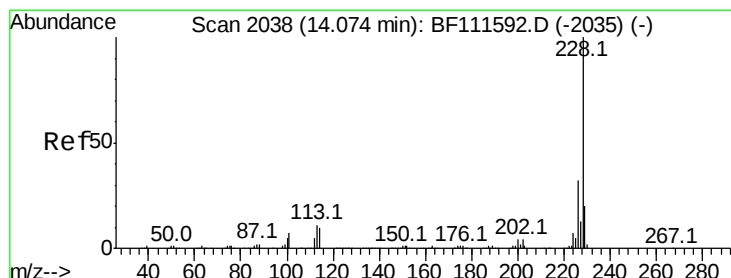
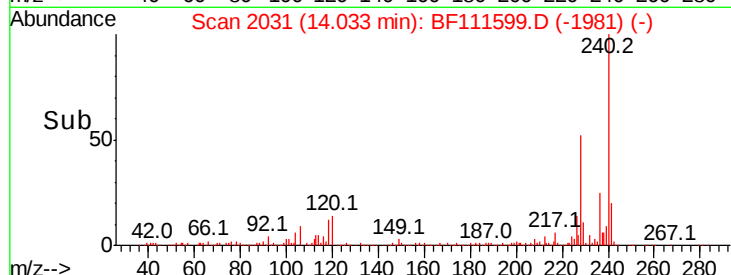
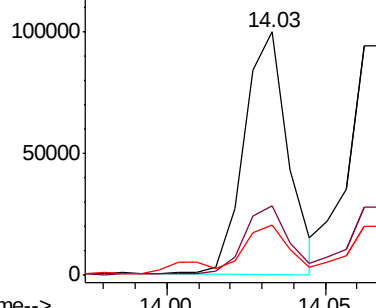


Abundance

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: 3.406 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

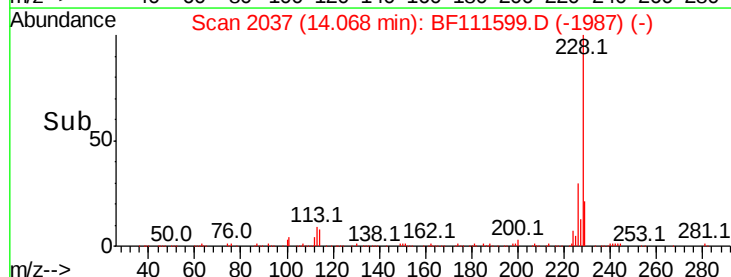
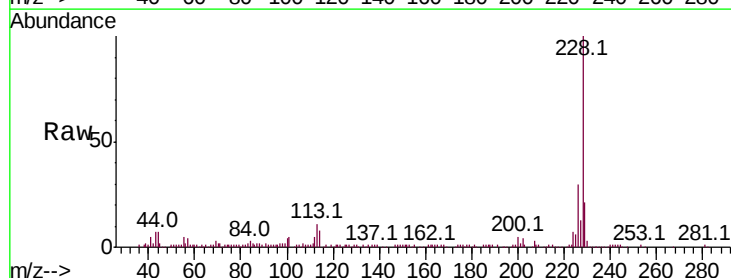
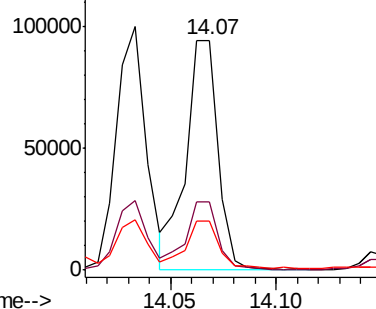
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.3	37.9
229	21.4	17.2	25.8

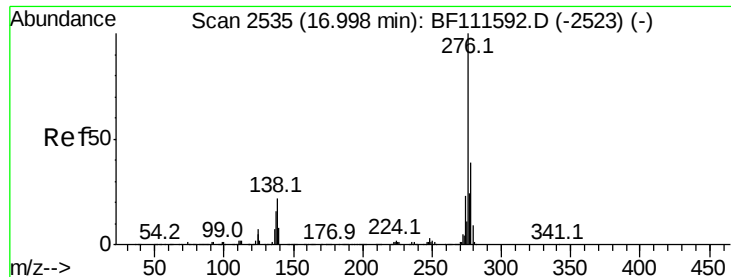
Abundance

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





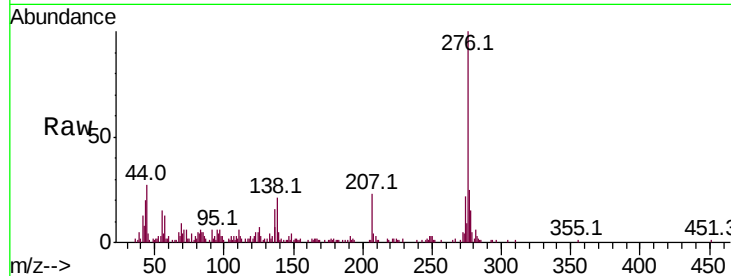
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.439 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.02 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Instrument :
BNA_F
ClientSampleId :
TP-1-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.8	27.8	41.6#
277	25.3	20.1	30.1

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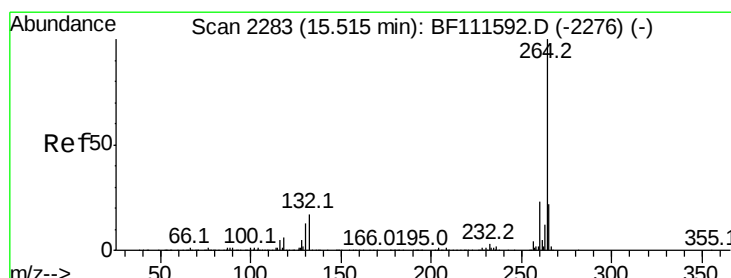
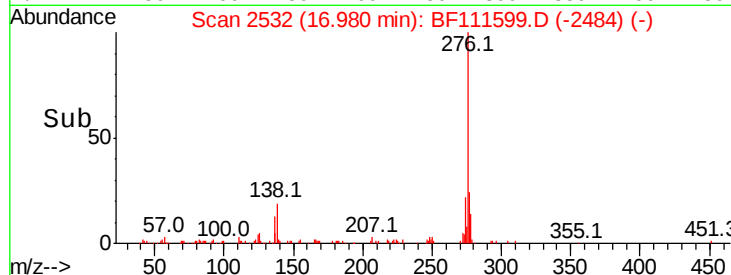
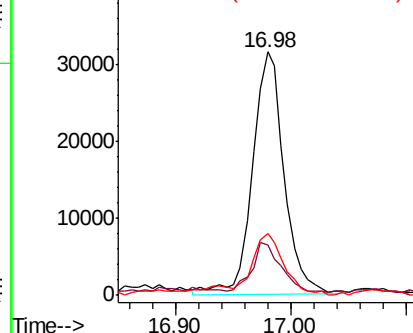


Abundance

Ion 276.00 (275.70 to 276.70): E

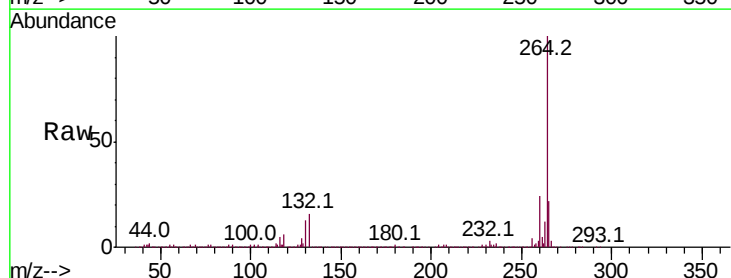
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	21.6	17.7	26.5

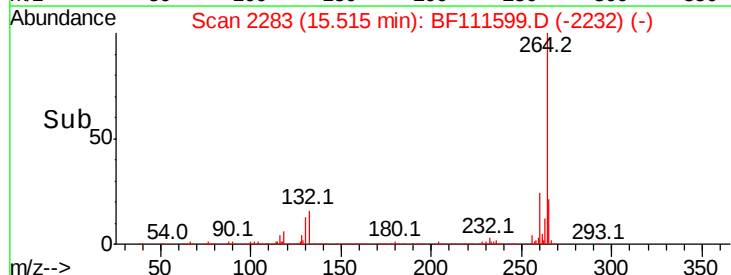
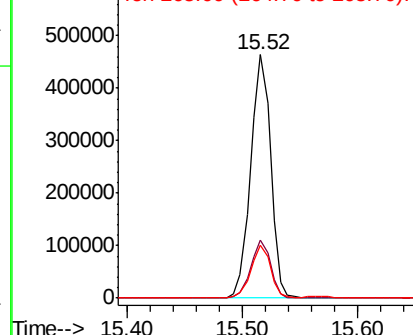


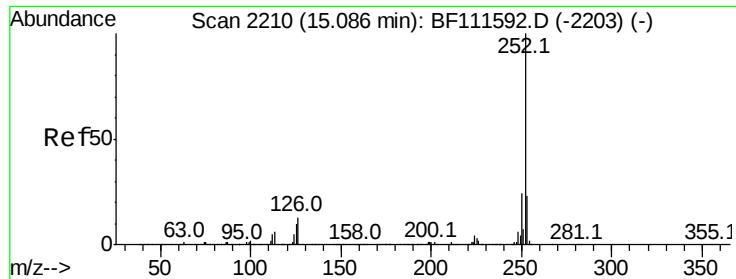
Abundance

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





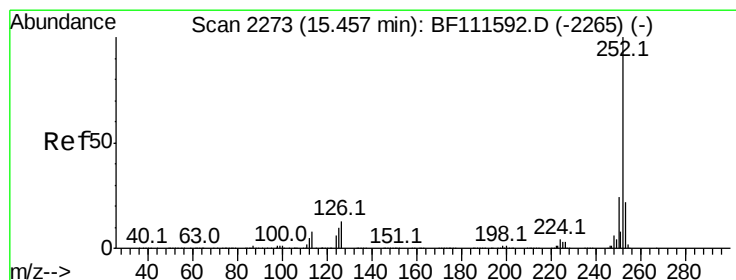
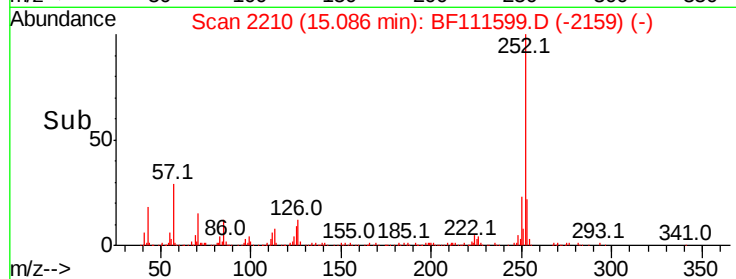
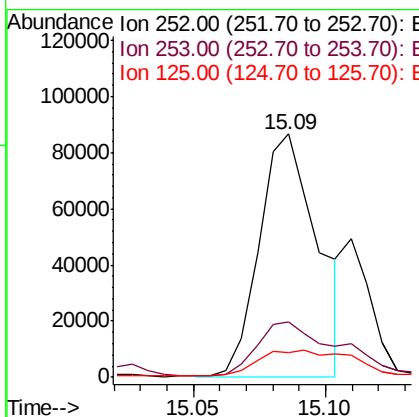
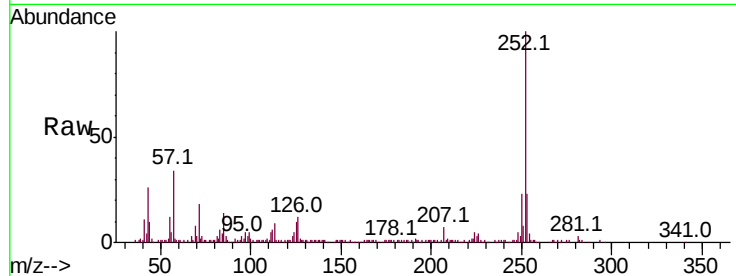
#88
Benzo(b)fluoranthene
Concen: 4.096 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Instrument :
BNA_F
ClientSampled :
TP-1-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	10.0	10.4	15.6#

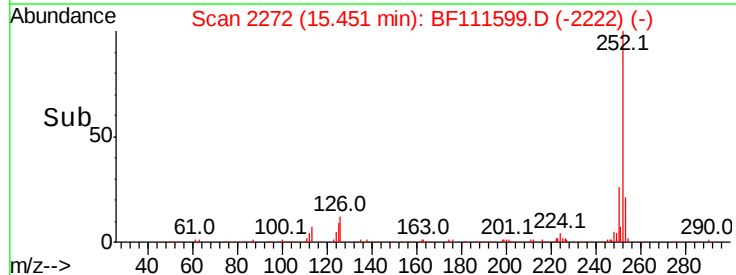
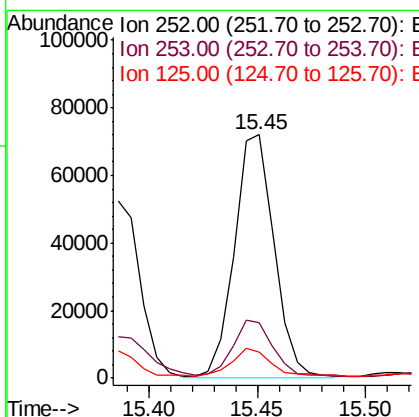
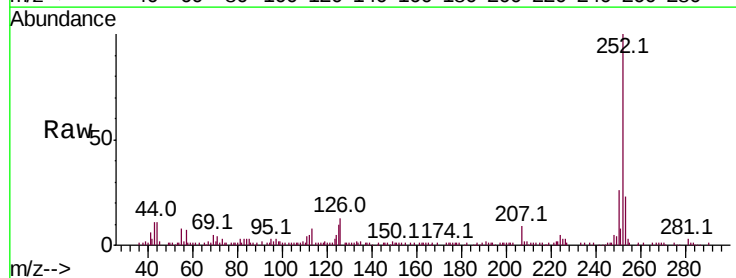
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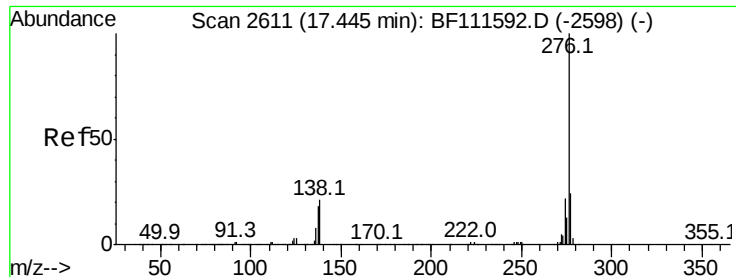
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#90
Benzo(a)pyrene
Concen: 3.109 ng m
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF111599.D
Acq: 19 Dec 2018 19:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	10.4	12.3	18.5#





#92
 Benzo(a,h,i)perylene
 Concen: 2.048 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.02 min
 Lab File: BF111599.D
 Acq: 19 Dec 2018 19:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.2	28.8
138	19.6	24.9	37.3

Manual Integrations
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