

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
 Data File : BF117987.D
 Acq On : 26 Nov 2019 1:14
 Operator : JU
 Sample : K5970-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-28-S

Manual Integrations
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Quant Time: Nov 26 05:45:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	193704	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	685793	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	393612	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	545606	20.00	ng	0.00
76) Chrysene-d12	14.08	240	284712	20.00	ng	0.00
87) Perylene-d12	15.58	264	356561	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1061922	97.04	ng	0.01
7) Phenol-d6	6.52	99	1513553	114.67	ng	0.00
23) Nitrobenzene-d5	7.46	82	833142	72.22	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	430904	103.41	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1720466	78.42	ng	0.00
79) Terphenyl-d14	13.02	244	1363714	87.54	ng	0.00
Target Compounds						
49) Acenaphthylene	9.80	152	132476	3.782	ng	97
50) Dimethylphthalate	9.65	163	266209	9.645	ng	99
71) Phenanthrene	11.46	178	436322	15.906	ng	96
72) Anthracene	11.50	178	106872	3.929	ng	96
75) Fluoranthene	12.65	202	1008290	39.433	ng	99
78) Pyrene	12.88	202	983223	42.732	ng	99
81) Benzo(a)anthracene	14.07	228	528641	28.098	ng	94
83) Chrysene	14.11	228	480929	26.380	ng	100
86) Indeno(1,2,3-cd)pyrene	17.10	276	225770	14.550	ng	95
88) Benzo(b)fluoranthene	15.14	252	625612m	27.006	ng	
89) Benzo(k)fluoranthene	15.16	252	211138m	9.673	ng	
90) Benzo(a)pyrene	15.52	252	447317	21.959	ng	100
91) Dibenzo(a,h)anthracene	17.11	278	59555	3.397	ng	95
92) Benzo(g,h,i)perylene	17.56	276	199627	11.431	ng	99

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

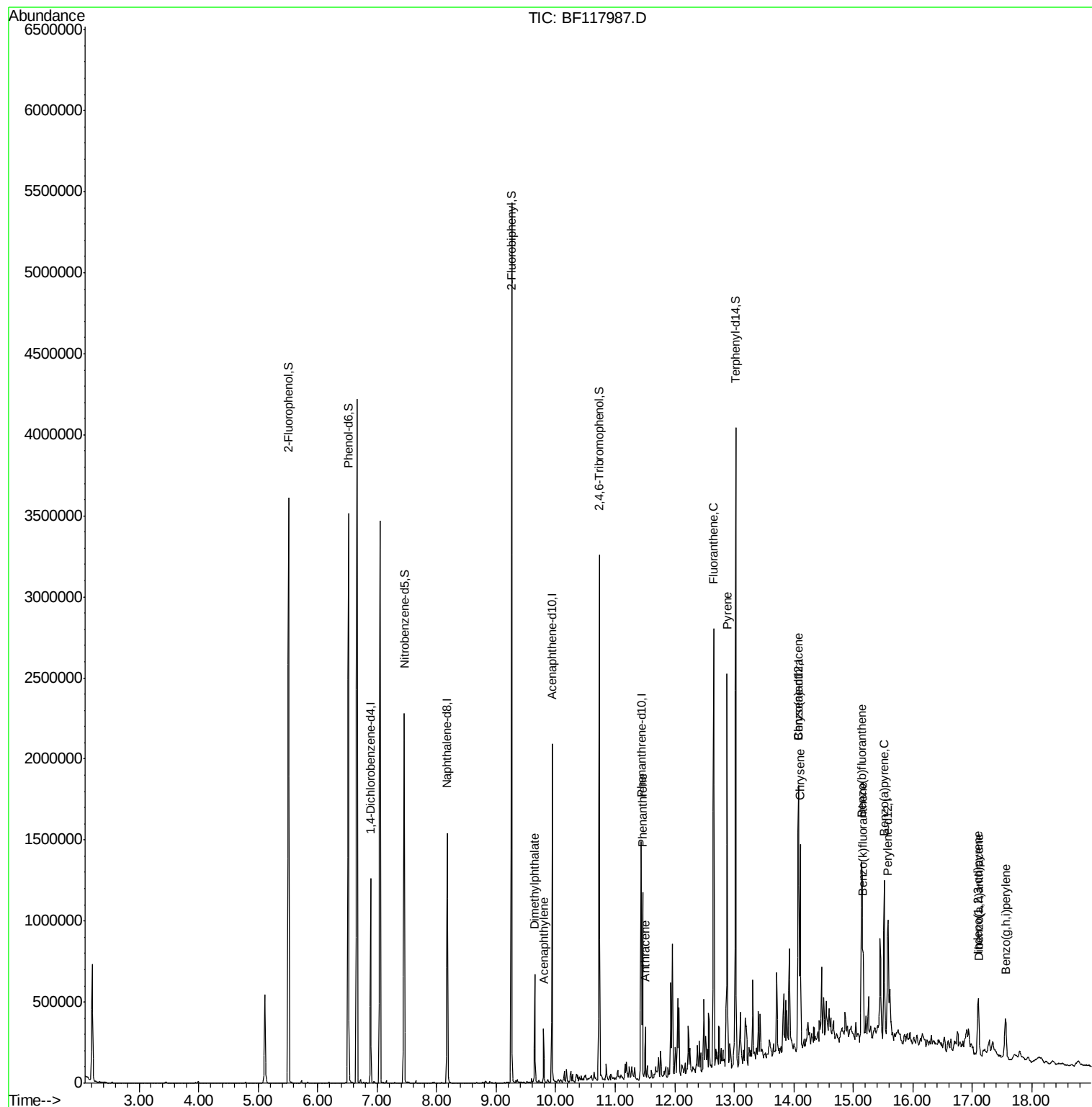
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
Data File : BF117987.D
Acq On : 26 Nov 2019 1:14
Operator : JU
Sample : K5970-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

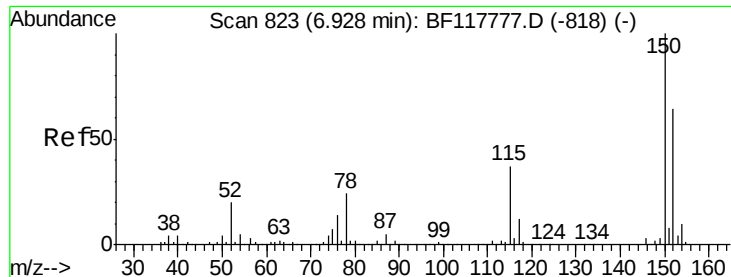
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

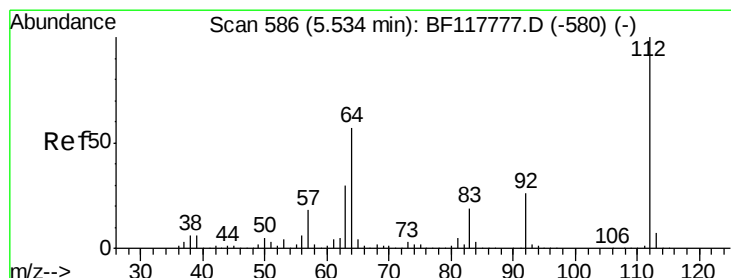
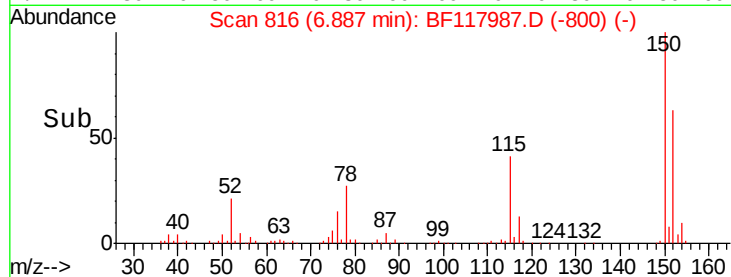
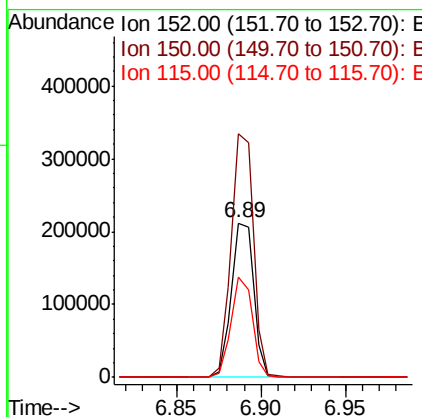
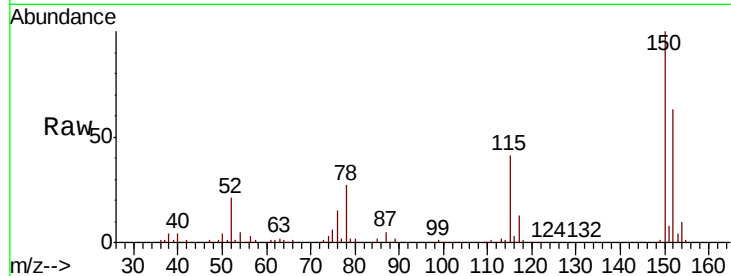
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF117987.D
 Acq: 26 Nov 2019 1:14

Instrument :
 BNA_F
 ClientSampled :
 TP-28-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	125.3	187.9
115	64.8	47.0	70.4

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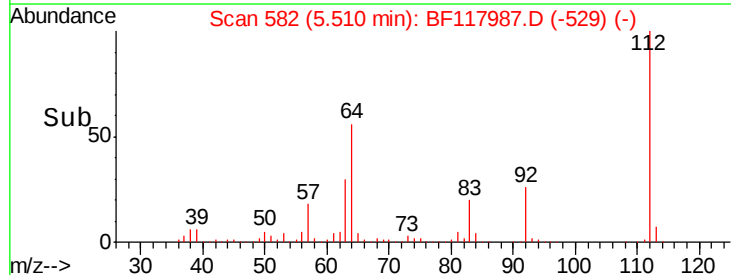
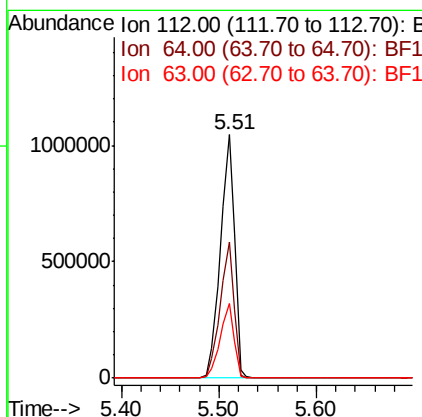
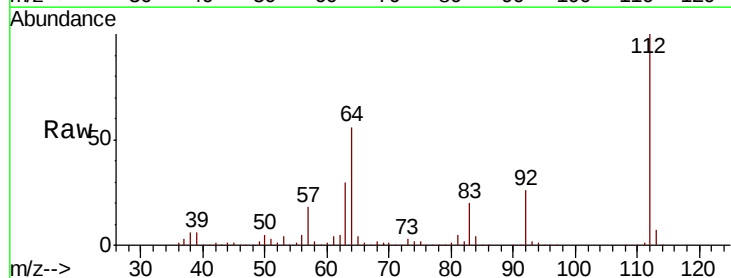
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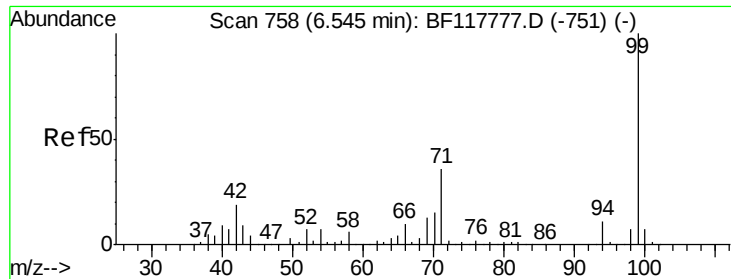


#5

2-Fluorophenol
 Concen: 97.041 ng
 RT: 5.51 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: BF117987.D
 Acq: 26 Nov 2019 1:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.6	68.4
63	30.4	24.1	36.1





#7

Phenol-d6

Concen: 114.671 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF117987.D

Acq: 26 Nov 2019 1:14

Instrument :

BNA_F

ClientSampleId :

TP-28-S

Tot Ion: 99 Resp: 1513553

Ion Ratio Lower Upper

99 100

42 16.8 14.9 22.3

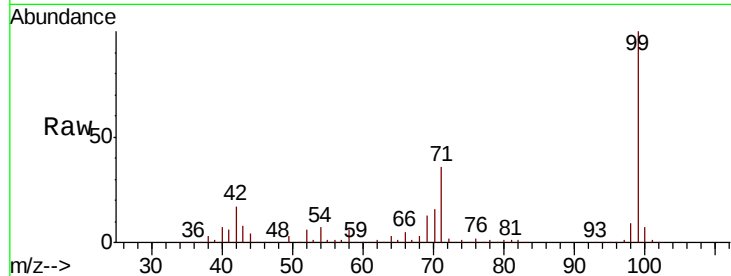
71 35.7 28.6 43.0

Manual Integrations

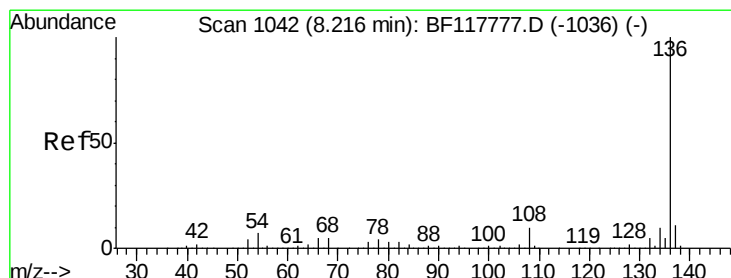
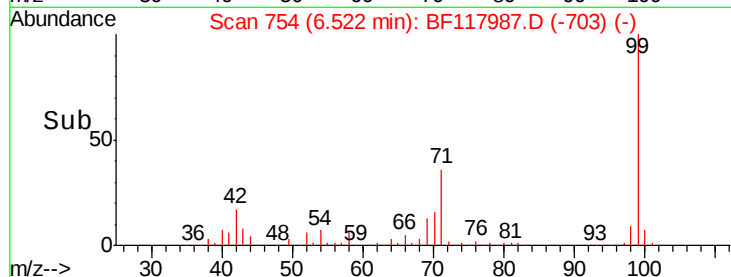
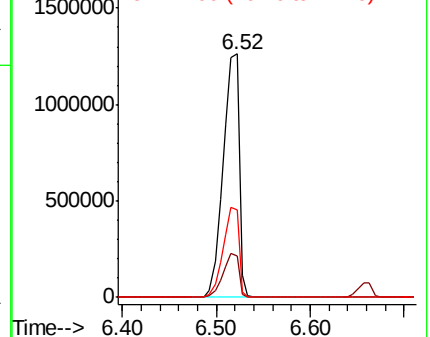
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF117987.D

Acq: 26 Nov 2019 1:14

Tgt Ion: 136 Resp: 685793

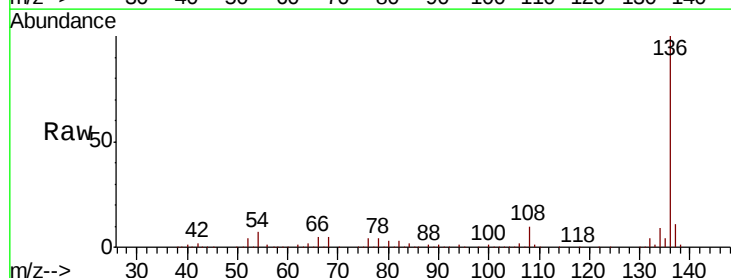
Ion Ratio Lower Upper

136 100

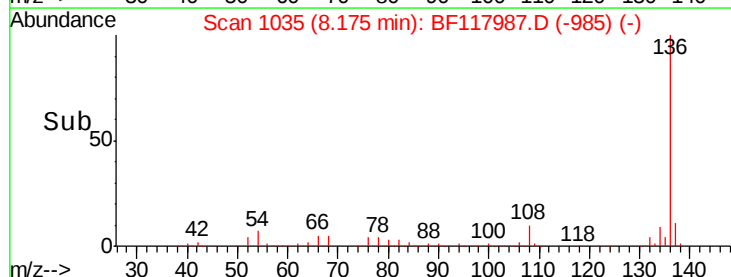
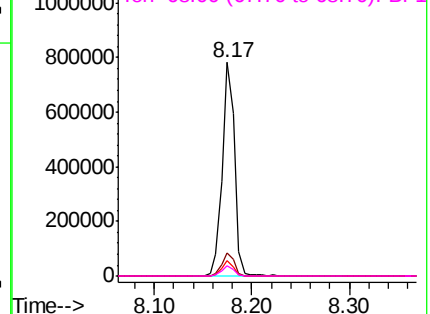
137 11.0 9.0 13.4

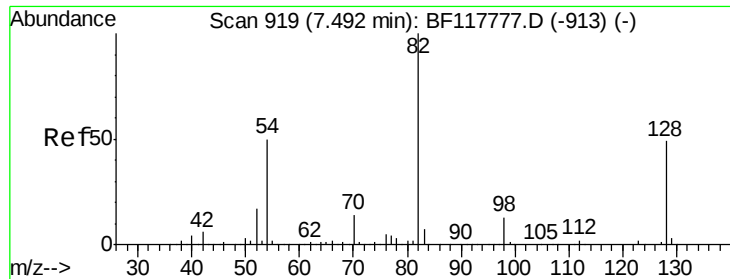
54 6.9 5.4 8.2

68 4.9 4.3 6.5



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





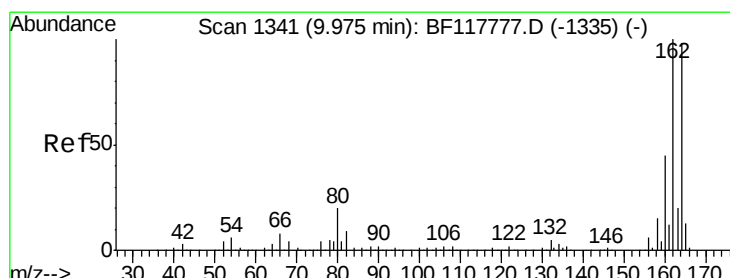
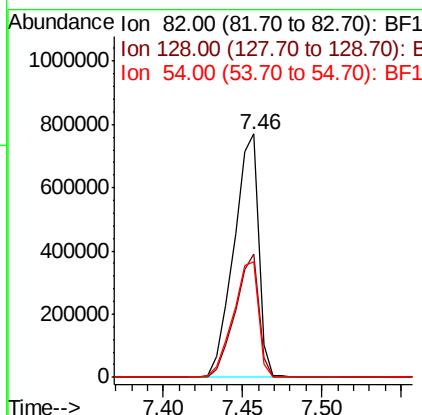
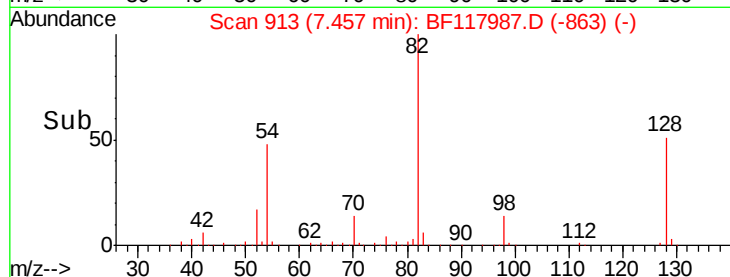
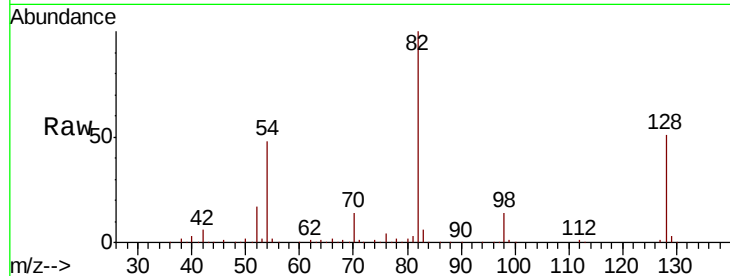
#23
Nitrobenzene-d5
Concen: 72.218 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF117987.D
Acq: 26 Nov 2019 1:14

Instrument :
BNA_F
ClientSampleId :
TP-28-S

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.6	38.9	58.3
54	47.6	39.8	59.6

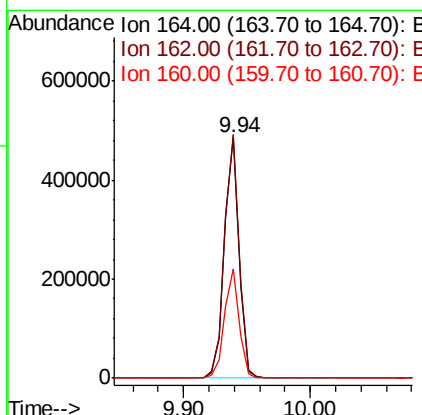
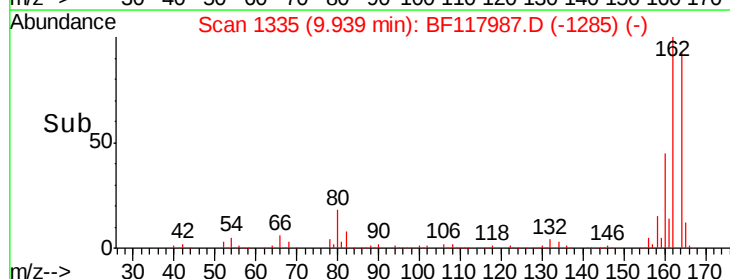
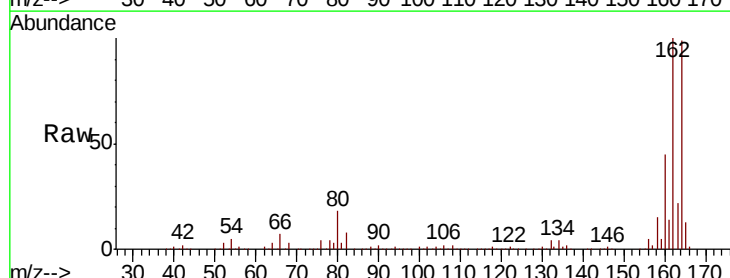
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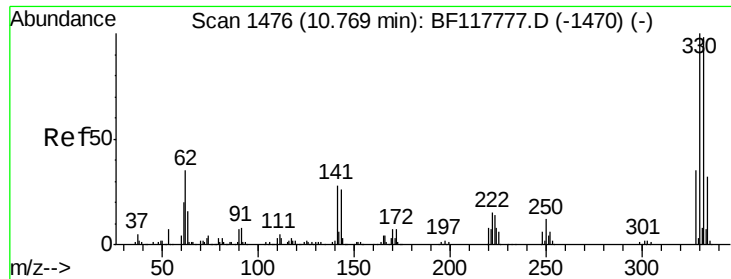
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF117987.D
Acq: 26 Nov 2019 1:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.3	121.9
160	45.4	36.6	55.0





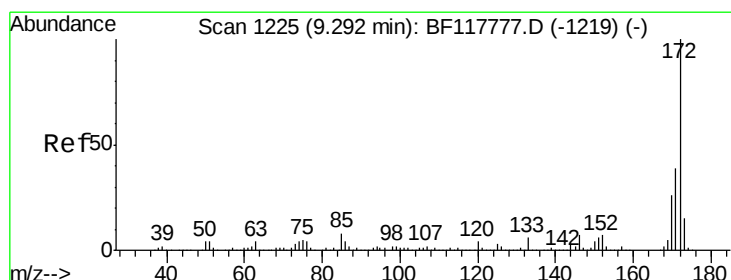
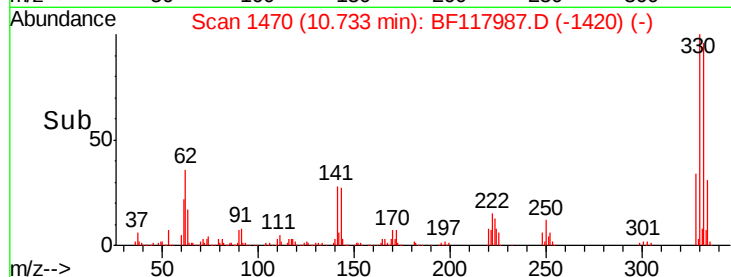
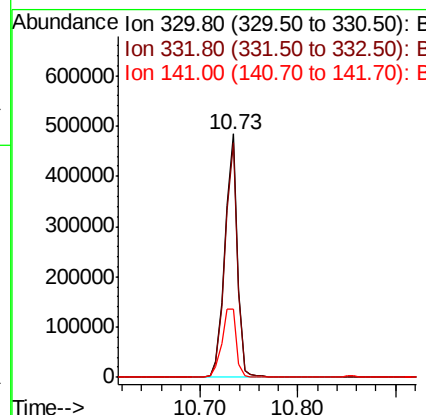
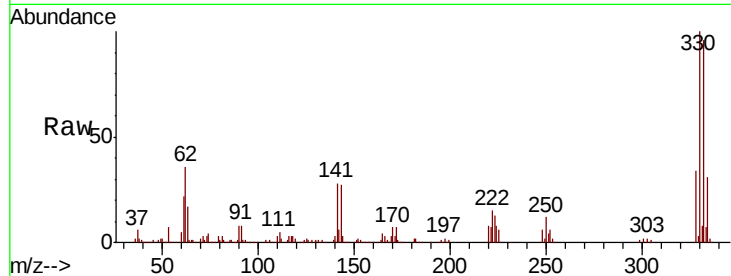
#42
 2,4,6-Tribromophenol
 Concen: 103.406 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.01 min
 Lab File: BF117987.D
 Acq: 26 Nov 2019 1:14

Instrument :
 BNA_F
 ClientSampleId :
 TP-28-S

Tot Ion	Ratio	Resp	Lower	Upper
330	100	430904		
332	96.3		76.7	115.1
141	33.0		27.7	41.5

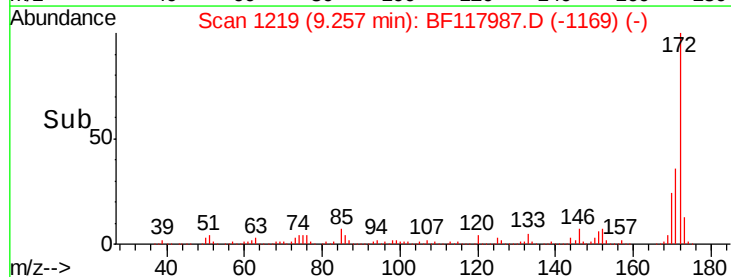
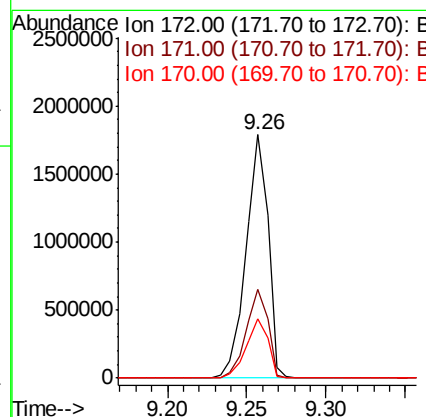
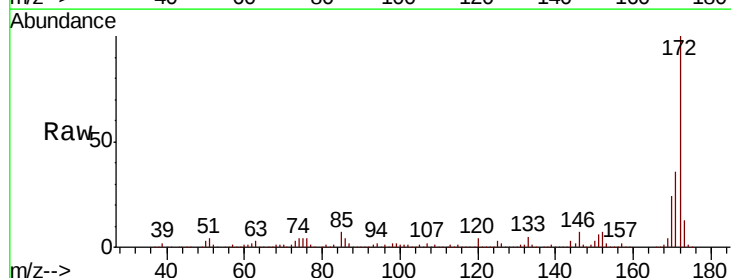
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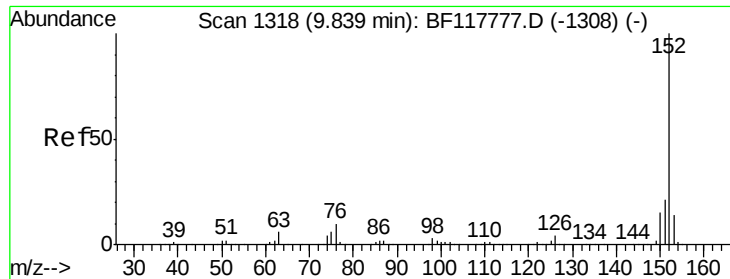
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#45
 2-Fluorobiphenyl
 Concen: 78.417 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF117987.D
 Acq: 26 Nov 2019 1:14

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1720466		
171	36.5		30.9	46.3
170	24.4		21.0	31.4





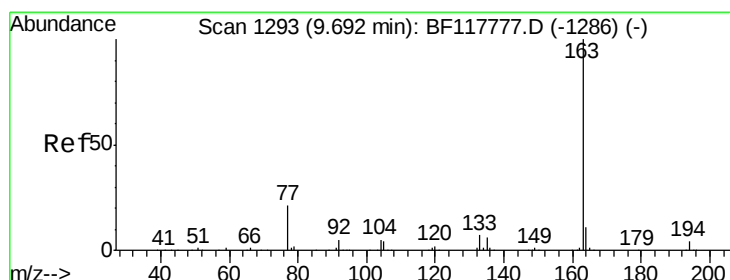
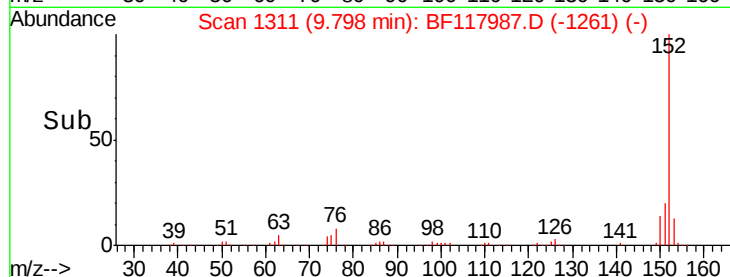
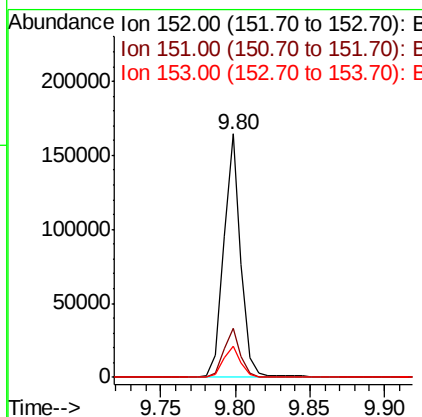
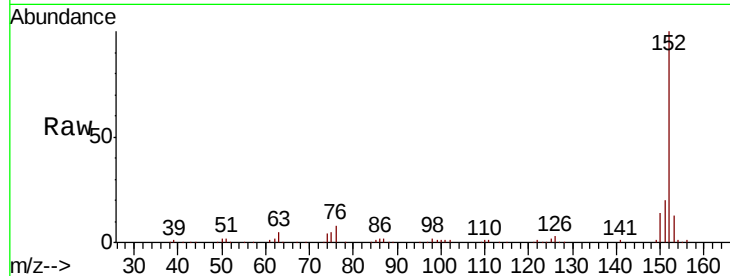
#49
Acenaphthylene
Concen: 3.782 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF117987.D
Acq: 26 Nov 2019 1:14

Instrument :
BNA_F
ClientSampleId :
TP-28-S

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.0	17.0	25.6
153	12.7	11.0	16.6

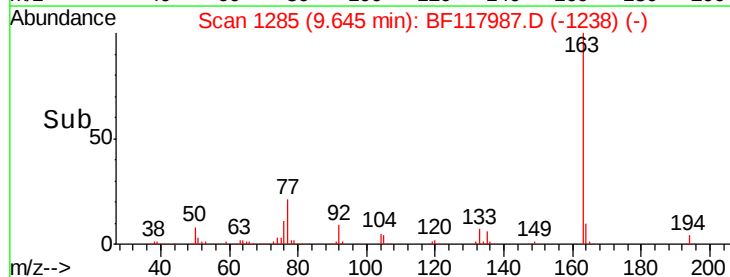
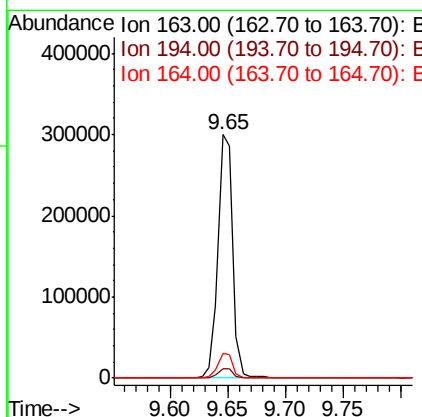
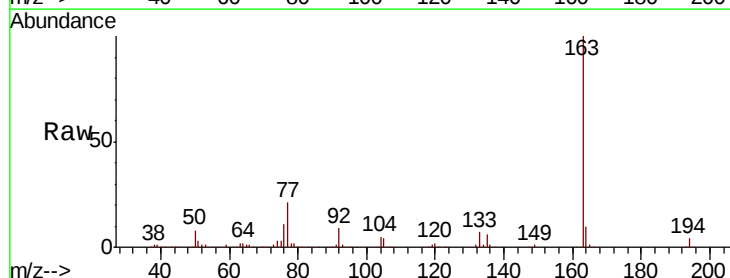
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#50
Dimethylphthalate
Concen: 9.645 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF117987.D
Acq: 26 Nov 2019 1:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	10.4	8.7	13.1





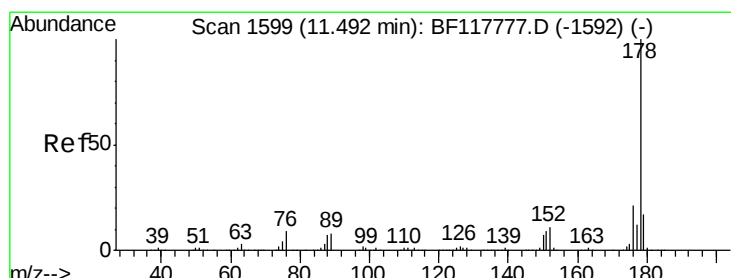
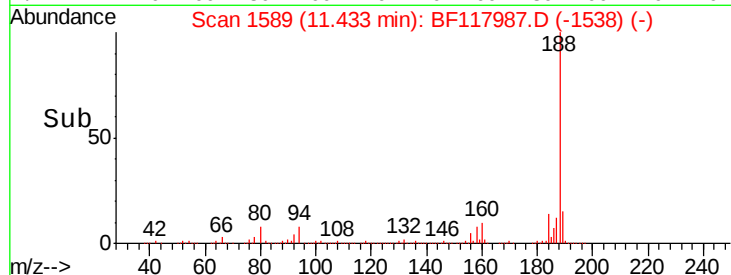
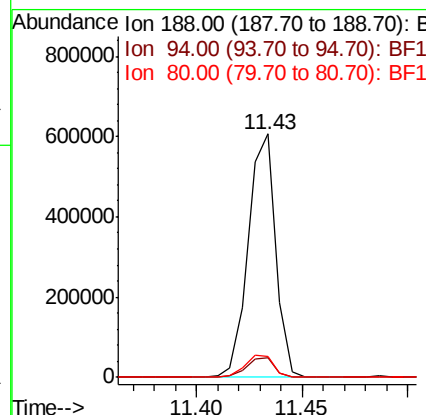
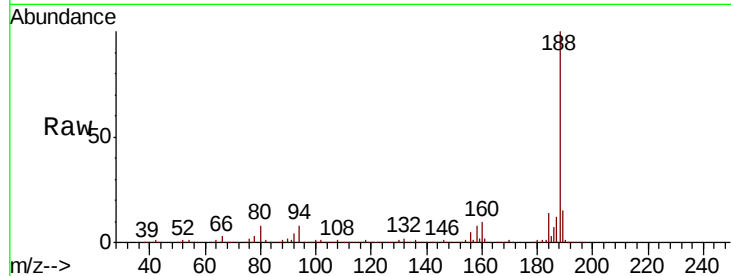
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF117987.D
Acq: 26 Nov 2019 1:14

Instrument :
BNA_F
ClientSampleId :
TP-28-S

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.2	6.6	10.0
80	8.4	7.2	10.8

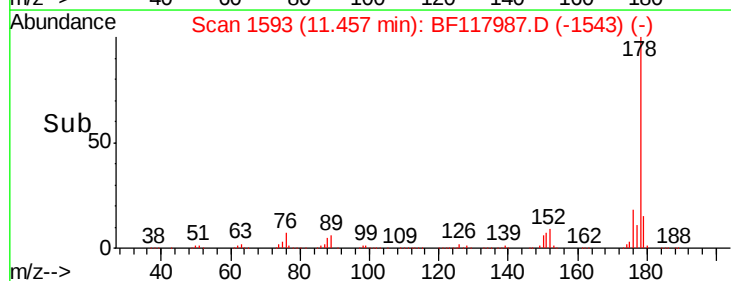
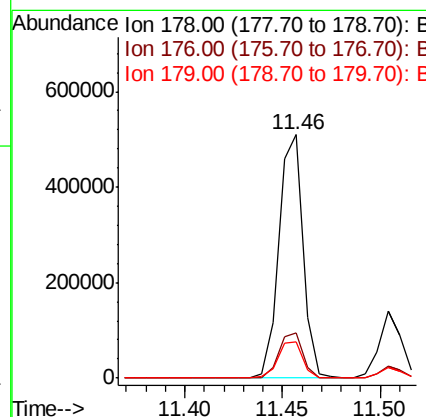
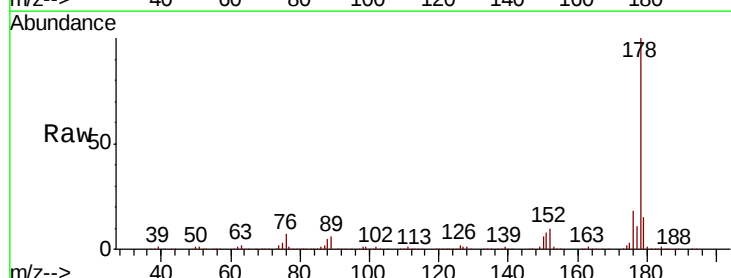
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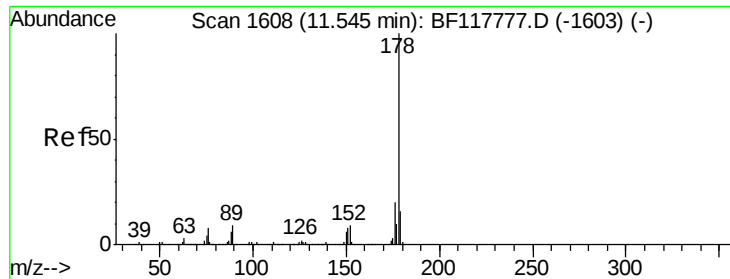
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#71
Phenanthrene
Concen: 15.906 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117987.D
Acq: 26 Nov 2019 1:14

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.4	16.6	25.0
179	15.1	13.2	19.8





#72

Anthracene

Concen: 3.929 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF117987.D

Acq: 26 Nov 2019 1:14

Instrument :

BNA_F

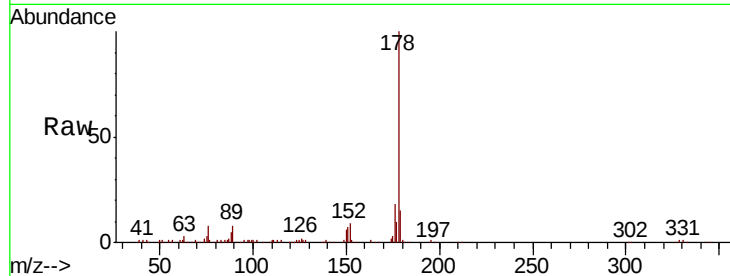
ClientSampleId :

TP-28-S

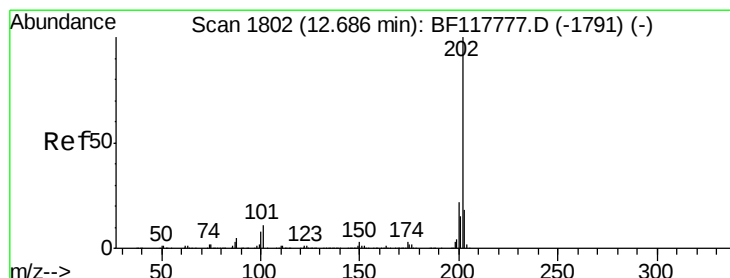
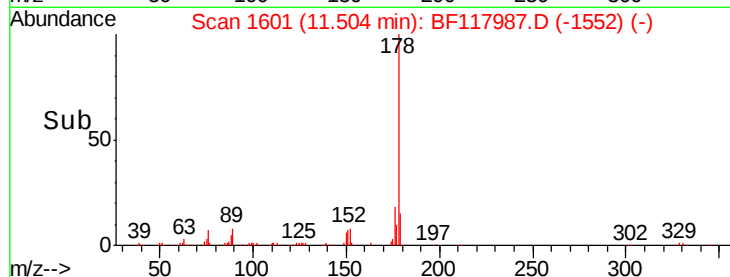
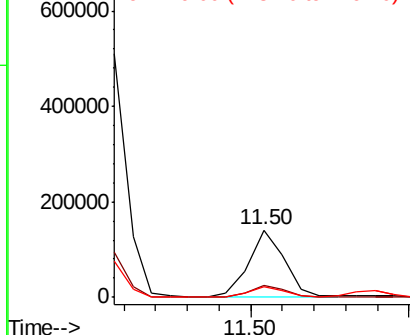
Tot Ion:	178	Resp:	106872
Ion Ratio	Lower	Upper	
178	100		
176	17.8	16.1	24.1
179	15.3	13.0	19.4

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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



#75

Fluoranthene

Concen: 39.433 ng

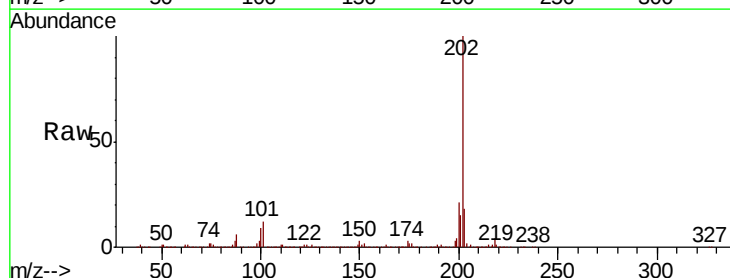
RT: 12.65 min Scan# 1796

Delta R.T. 0.00 min

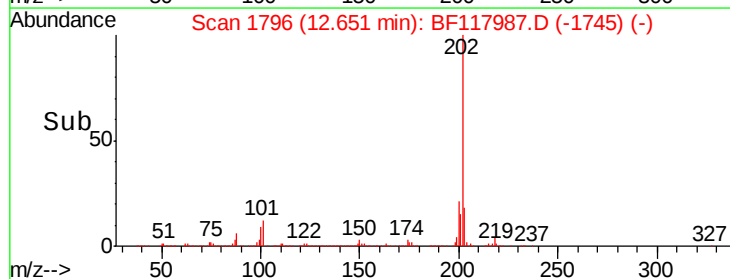
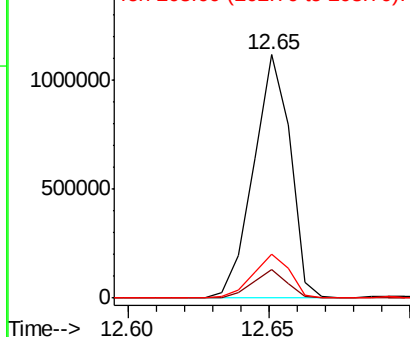
Lab File: BF117987.D

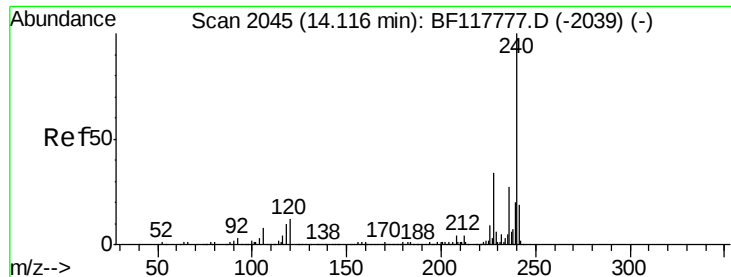
Acq: 26 Nov 2019 1:14

Tgt Ion:	202	Resp:	1008290
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	31.1
203	18.1	0.0	38.2



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: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF117987.D

Acq: 26 Nov 2019 1:14

Instrument :

BNA_F

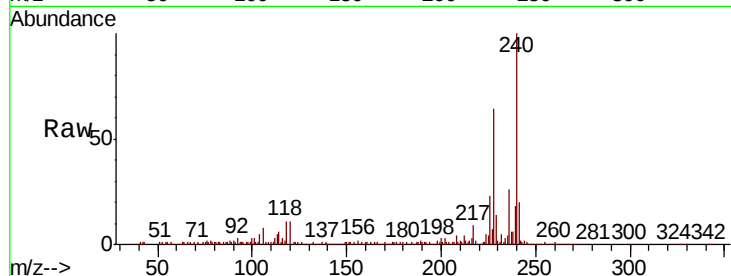
ClientSampleId :

TP-28-S

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.5	14.3
236	26.4	21.3	31.9

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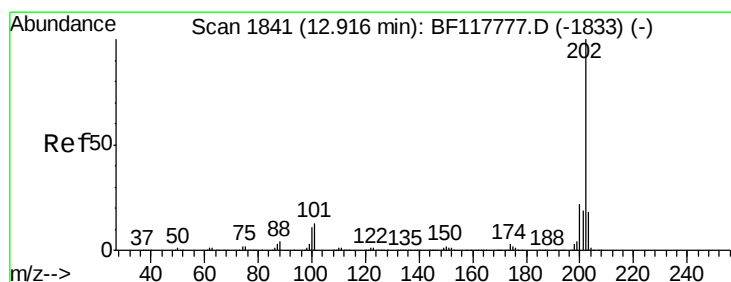
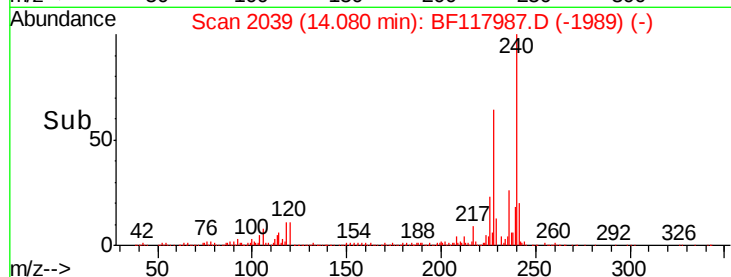
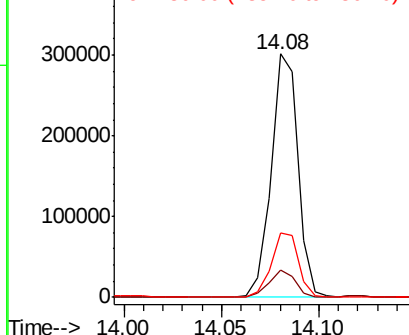


Abundance

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

Pyrene

Concen: 42.732 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF117987.D

Acq: 26 Nov 2019 1:14

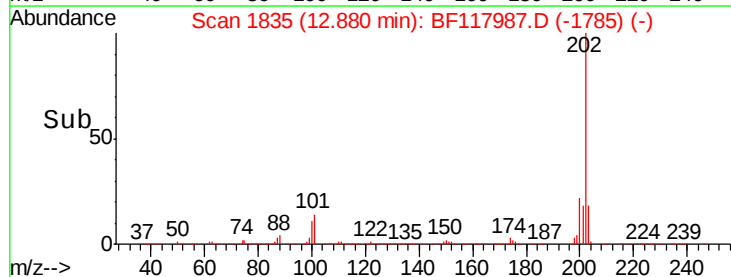
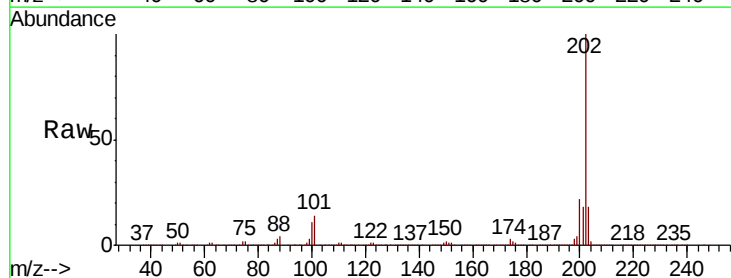
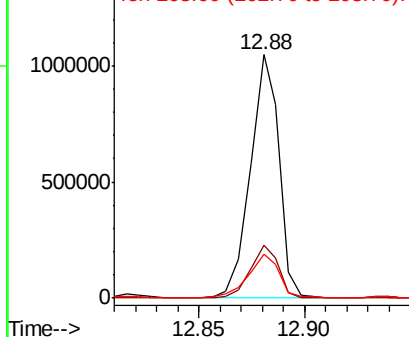
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.8	26.8
203	18.0	14.6	22.0

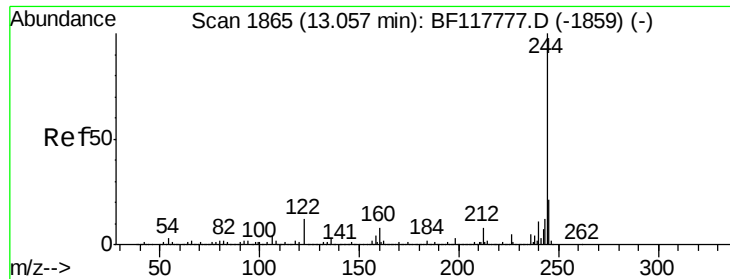
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





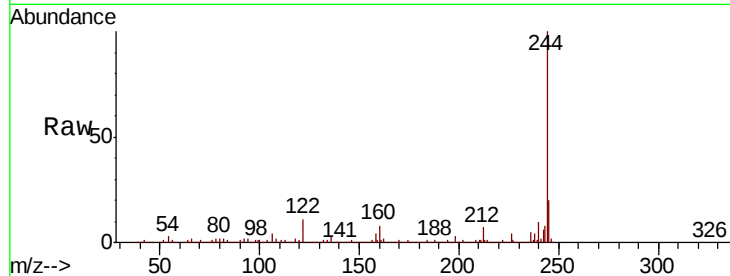
#79
 Terphenyl-d14
 Concen: 87.539 ng
 RT: 13.02 min Scan# 1859
 Delta R.T. -0.01 min
 Lab File: BF117987.D
 Acq: 26 Nov 2019 1:14

Instrument :
 BNA_F
 ClientSampleId :
 TP-28-S

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.3	9.5
122	11.2	9.4	14.2

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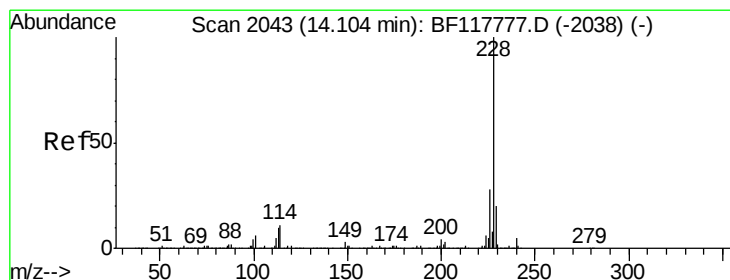
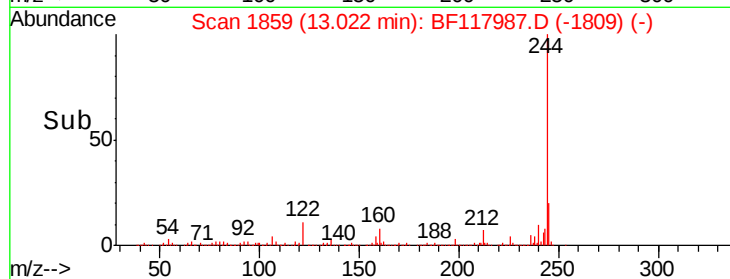
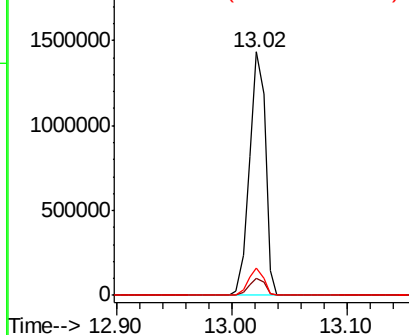


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 28.098 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF117987.D
 Acq: 26 Nov 2019 1:14

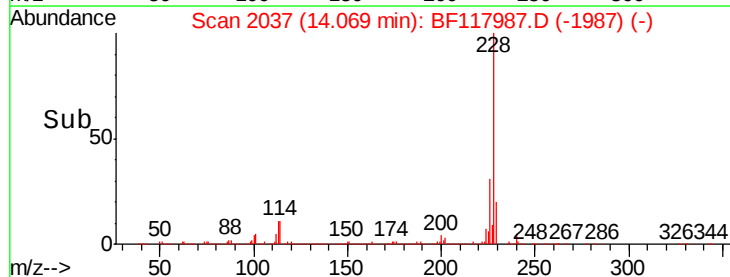
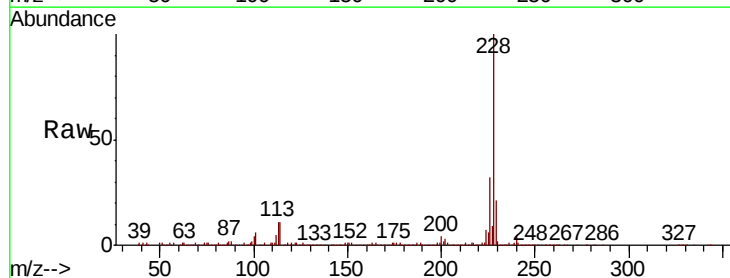
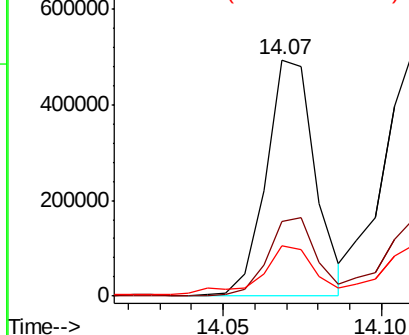
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.2	33.2
229	21.1	15.9	23.9

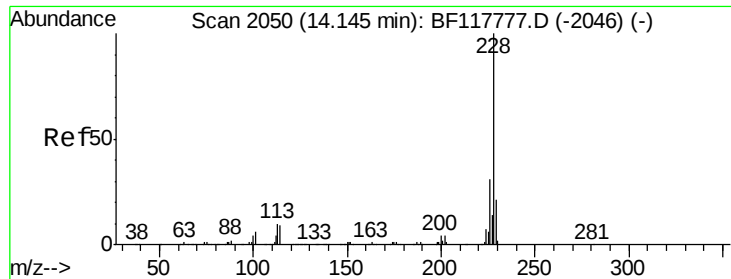
Abundance

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





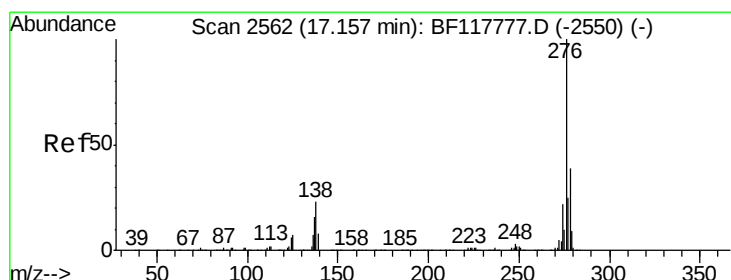
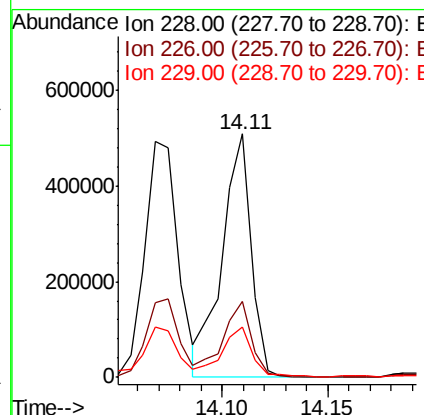
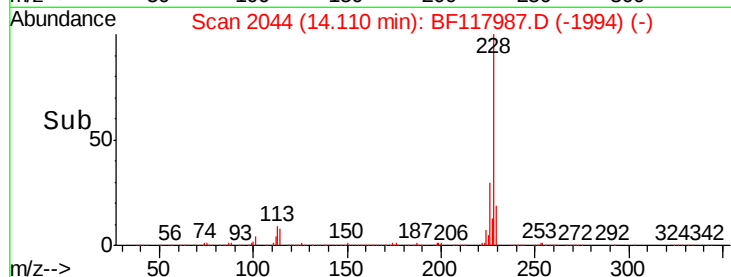
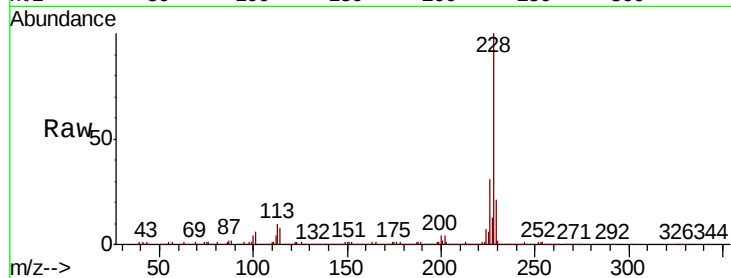
#83
Chrysene
Concen: 26.380 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117987.D
Acq: 26 Nov 2019 1:14

Instrument :
BNA_F
ClientSampleId :
TP-28-S

Tot Ion:	228	Resp:	480929
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.4
229	20.9	16.6	25.0

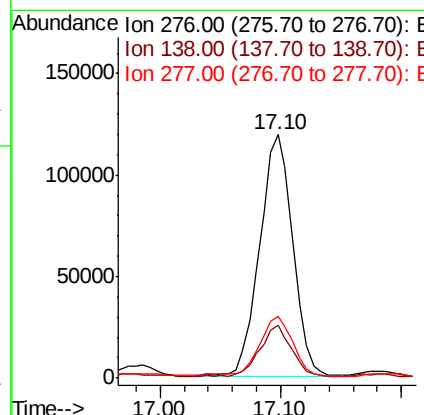
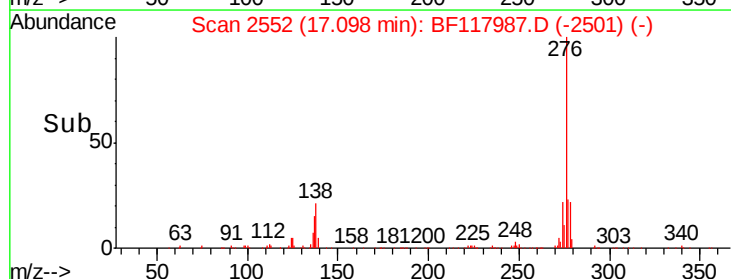
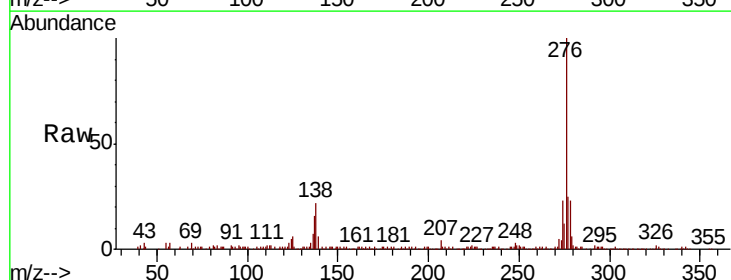
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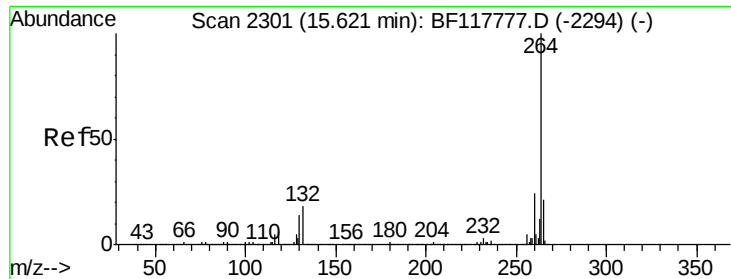
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#86
Indeno(1,2,3-cd)pyrene
Concen: 14.550 ng
RT: 17.10 min Scan# 2552
Delta R.T. 0.00 min
Lab File: BF117987.D
Acq: 26 Nov 2019 1:14

Tgt Ion:	276	Resp:	225770
Ion Ratio	Lower	Upper	
276	100		
138	21.3	20.9	31.3
277	25.9	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.58 min Scan# 2294

Delta R.T. 0.00 min

Lab File: BF117987.D

Acq: 26 Nov 2019 1:14

Instrument :

BNA_F

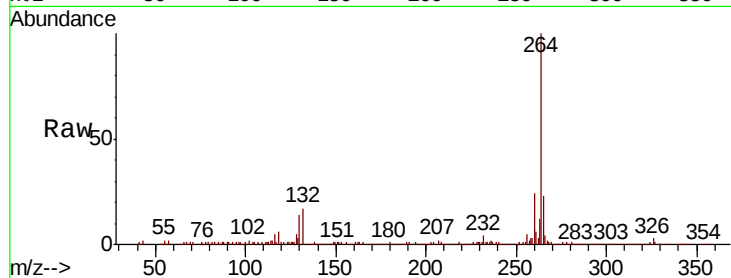
ClientSampleId :

TP-28-S

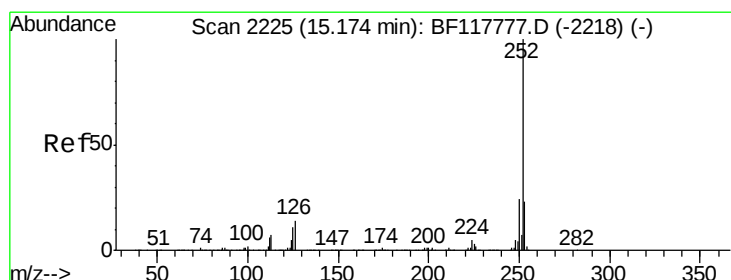
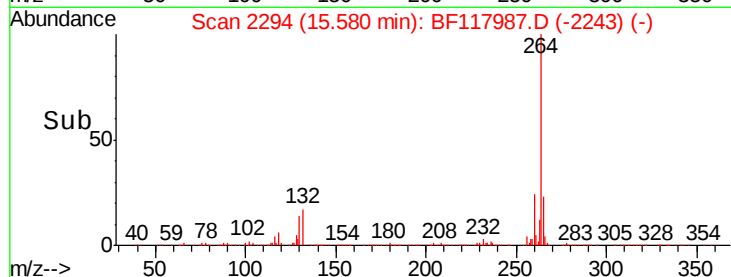
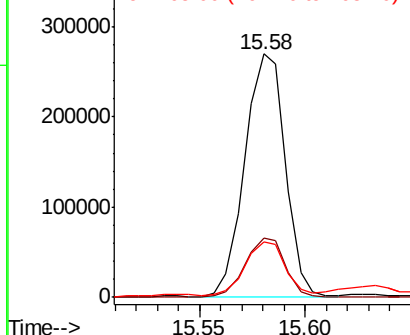
Tot Ion:	264	Resp:	356561
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.4	29.0
265	23.0	17.1	25.7

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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: 27.006 ng m

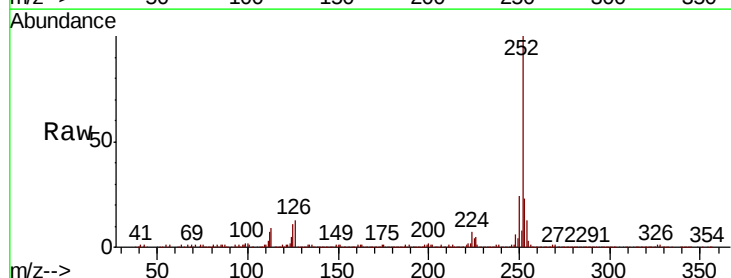
RT: 15.14 min Scan# 2219

Delta R.T. 0.00 min

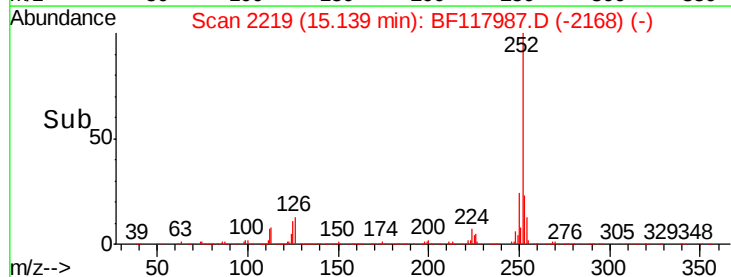
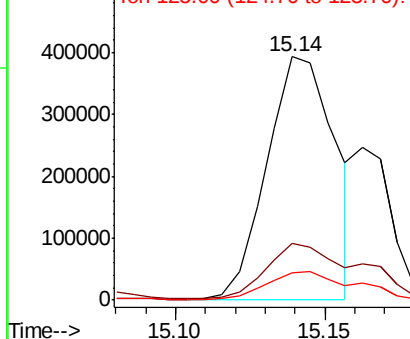
Lab File: BF117987.D

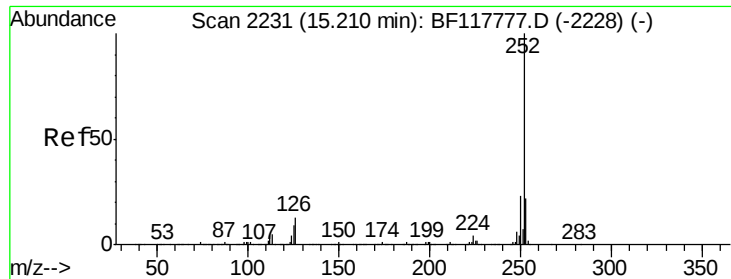
Acq: 26 Nov 2019 1:14

Tgt Ion:	252	Resp:	625612
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.0	27.0
125	11.1	8.6	13.0



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





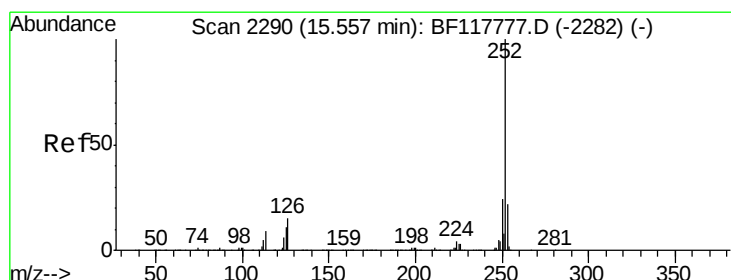
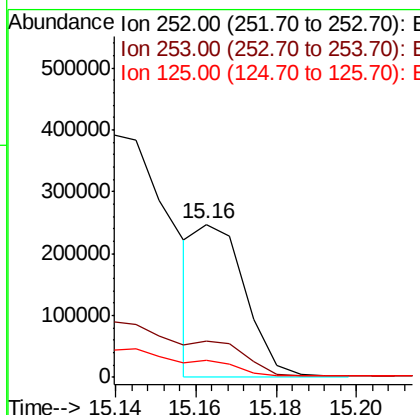
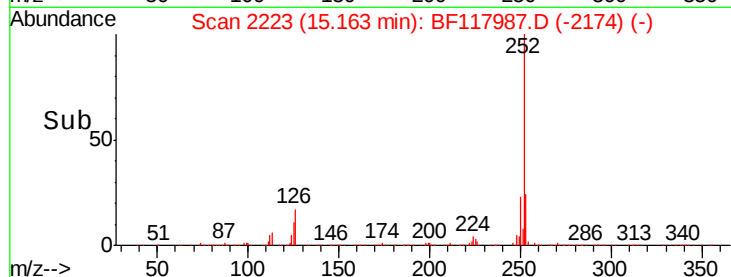
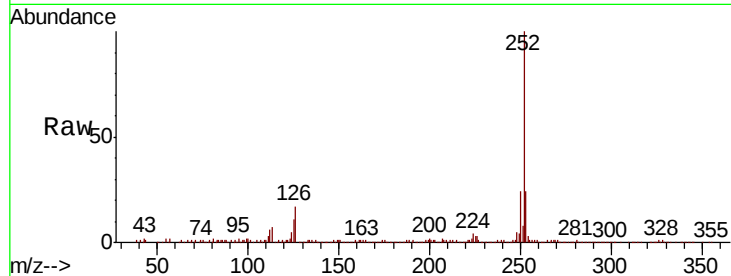
#89
Benzo(k)fluoranthene
Concen: 9.673 ng m
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117987.D
Acq: 26 Nov 2019 1:14

Instrument :
BNA_F
ClientSampled :
TP-28-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	11.3	7.9	11.9

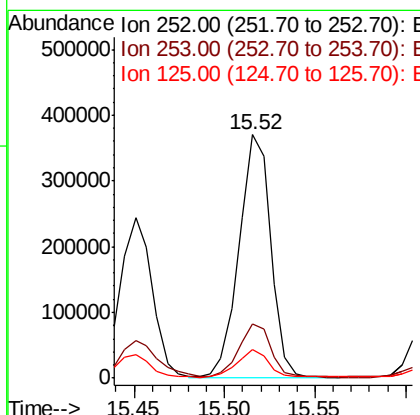
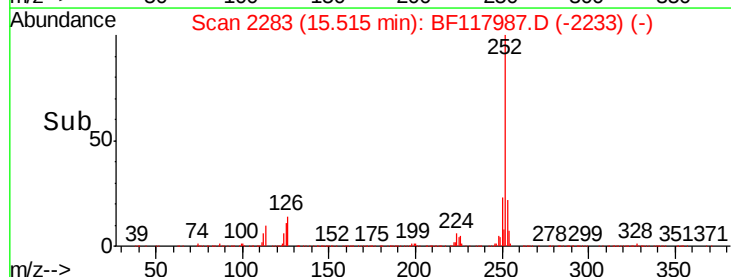
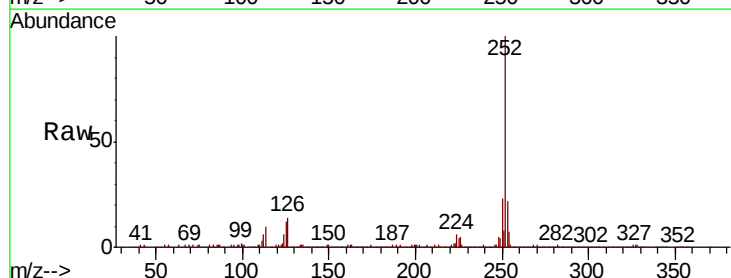
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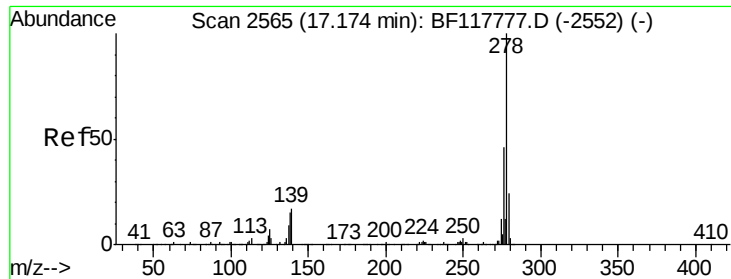
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#90
Benzo(a)pyrene
Concen: 21.959 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF117987.D
Acq: 26 Nov 2019 1:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	11.7	9.2	13.8





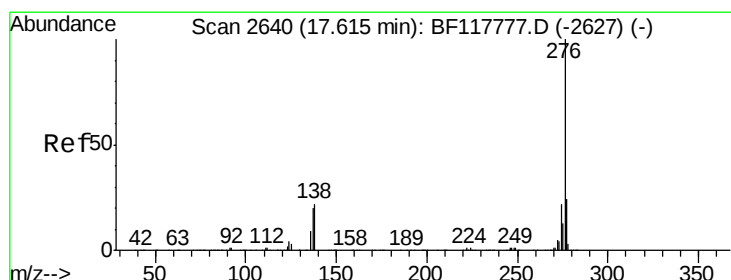
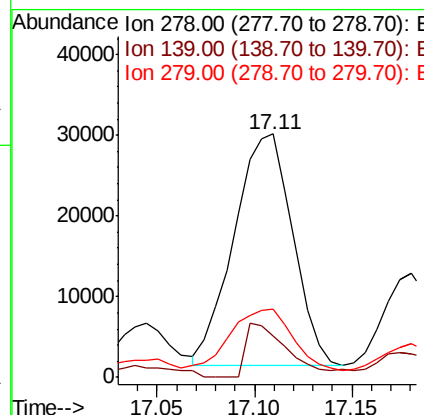
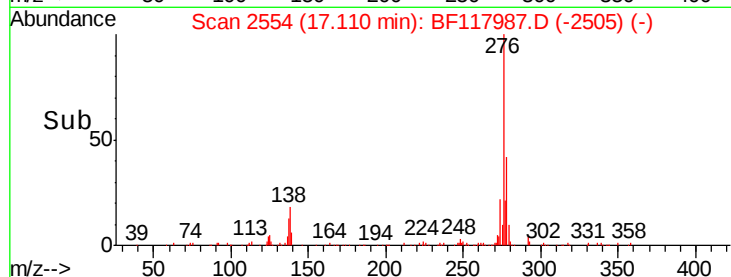
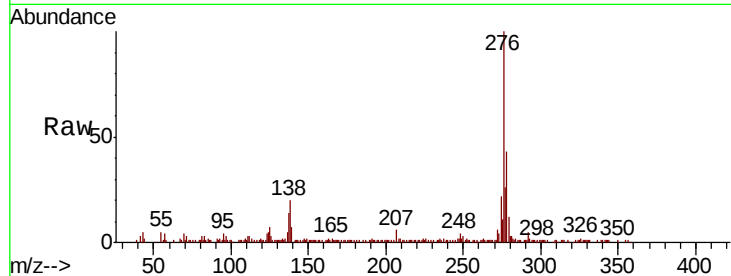
#91
Dibenzo(a,h)anthracene
Concen: 3.397 ng
RT: 17.11 min Scan# 2554
Delta R.T. -0.01 min
Lab File: BF117987.D
Acq: 26 Nov 2019 1:14

Instrument :
BNA_F
ClientSampled :
TP-28-S

Tot Ion:	278	Resp:	59555
Ion Ratio	Lower	Upper	
278	100		
139	16.8	13.8	20.8
279	28.2	19.6	29.4

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#92
Benzo(g,h,i)perylene
Concen: 11.431 ng
RT: 17.56 min Scan# 2630
Delta R.T. 0.00 min
Lab File: BF117987.D
Acq: 26 Nov 2019 1:14

Tgt Ion:	276	Resp:	199627
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.9	28.3
138	21.0	17.4	26.2

