

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112319\
 Data File : BF117972.D
 Acq On : 23 Nov 2019 22:22
 Operator : JU
 Sample : K5668-08 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-112119

Manual Integrations
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Quant Time: Nov 25 08:54:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	121295	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	524613	20.00	ng	-0.02
39) Acenaphthene-d10	9.95	164	240034	20.00	ng	-0.02
64) Phenanthrene-d10	11.45	188	486850	20.00	ng	-0.02
76) Chrysene-d12	14.09	240	280910	20.00	ng	-0.02
87) Perylene-d12	15.60	264	300014	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	386576	56.41	ng	-0.02
7) Phenol-d6	6.52	99	501294	60.65	ng	-0.02
23) Nitrobenzene-d5	7.46	82	296526	33.60	ng	-0.03
42) 2,4,6-Tribromophenol	10.75	330	123288	48.52	ng	-0.02
45) 2-Fluorobiphenyl	9.27	172	604596	45.19	ng	-0.02
79) Terphenyl-d14	13.03	244	453708	29.52	ng	-0.02
Target Compounds						
49) Acenaphthylene	9.82	152	43289	2.027	ng	98
50) Dimethylphthalate	9.66	163	78731	4.677	ng	99
71) Phenanthrene	11.47	178	197554	8.071	ng	95
72) Anthracene	11.52	178	64772	2.669	ng	95
75) Fluoranthene	12.66	202	423277	13.767	ng	100
78) Pyrene	12.89	202	408168	17.979	ng	98
81) Benzo(a)anthracene	14.08	228	195728	10.544	ng	98
83) Chrysene	14.12	228	188558	10.483	ng	98
86) Indeno(1,2,3-cd)pyrene	17.12	276	76031	4.966	ng	95
88) Benzo(b)fluoranthene	15.15	252	226423m	11.616	ng	
89) Benzo(k)fluoranthene	15.17	252	74778m	4.072	ng	
90) Benzo(a)pyrene	15.53	252	165161	9.636	ng	98
92) Benzo(a,h,i)perylene	17.58	276	71719	4.881	ng	98

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

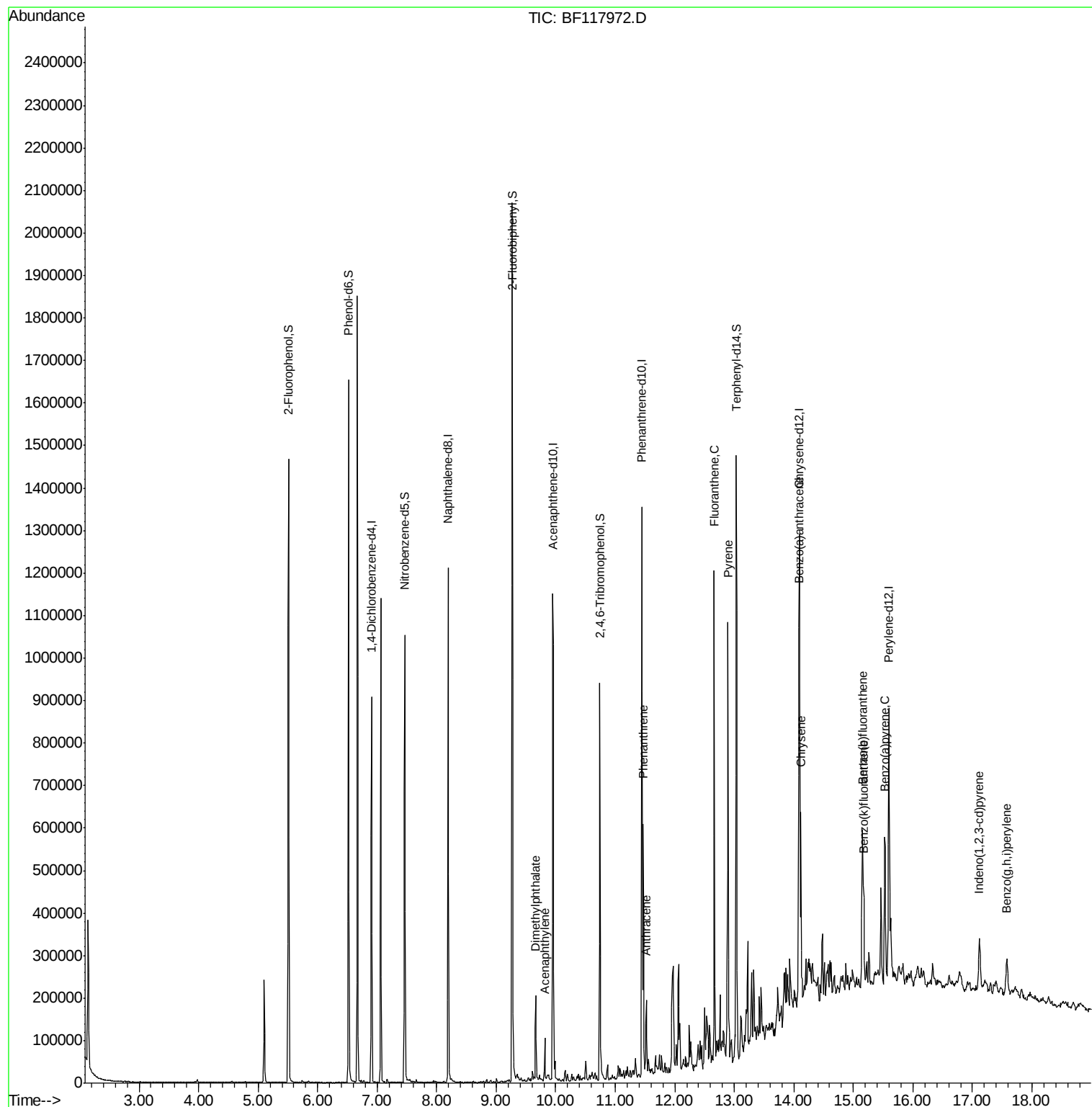
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112319\
Data File : BF117972.D
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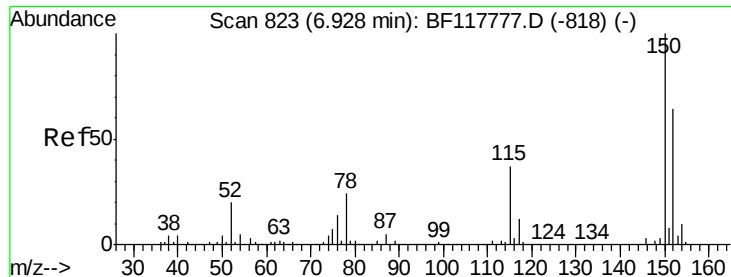
Instrument :
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ClientSampleID :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
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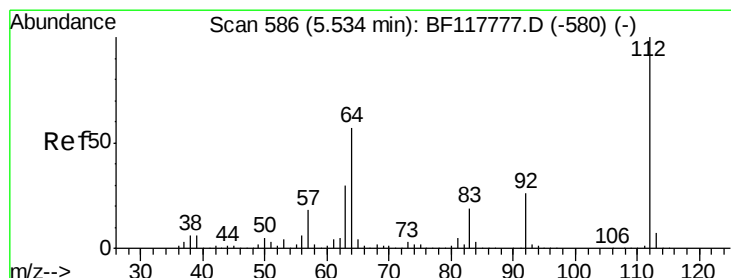
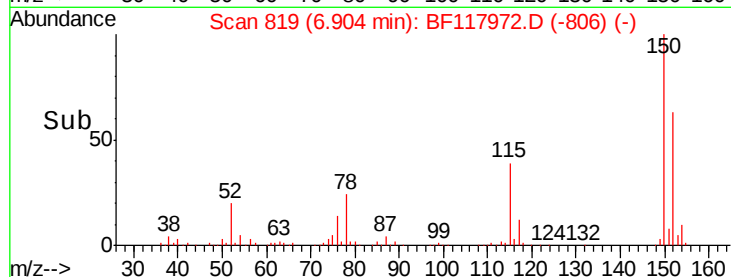
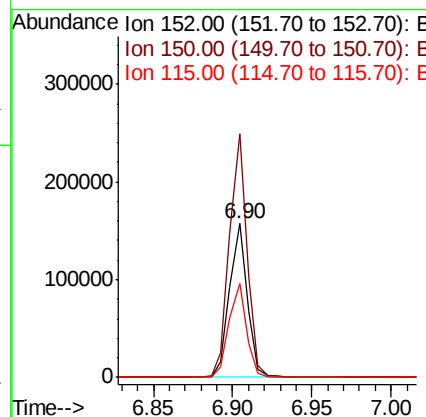
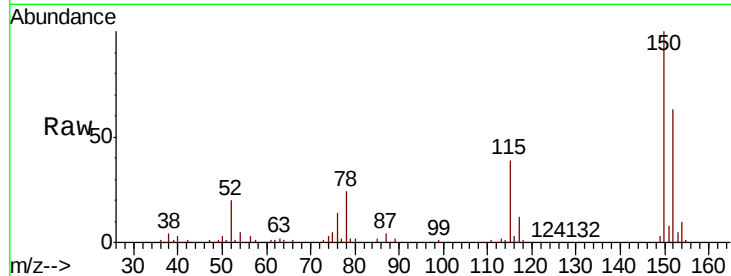
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 819
 Delta R.T. -0.02 min
 Lab File: BF117972.D
 Acq: 23 Nov 2019 22:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-112119

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	125.3	187.9
115	61.2	47.0	70.4

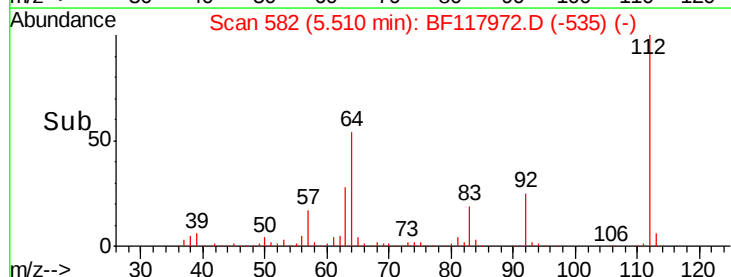
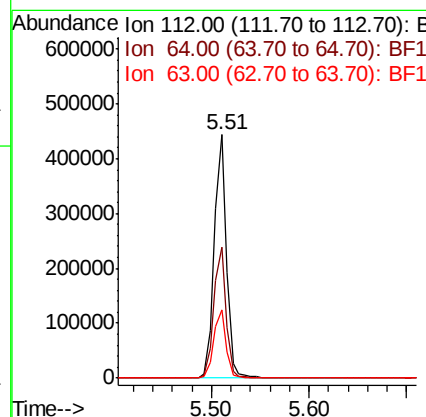
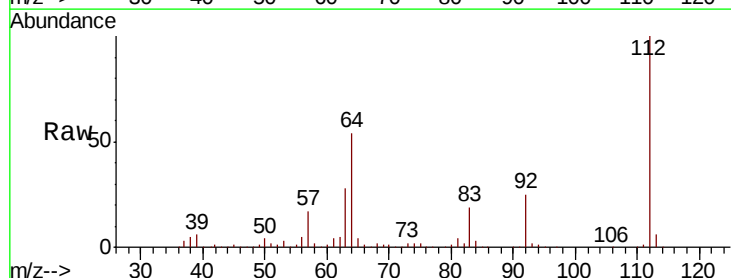
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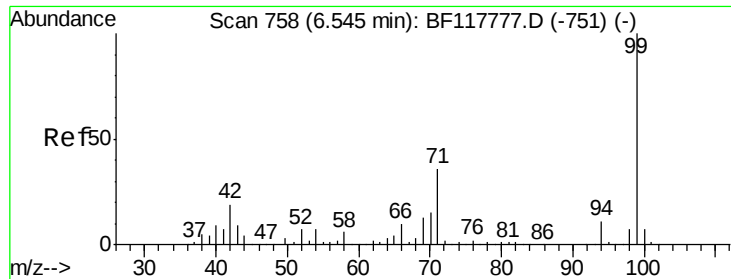
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#5
 2-Fluorophenol
 Concen: 56.415 ng
 RT: 5.51 min Scan# 582
 Delta R.T. -0.02 min
 Lab File: BF117972.D
 Acq: 23 Nov 2019 22:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	45.6	68.4
63	27.9	24.1	36.1





#7

Phenol-d6

Concen: 60.652 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF117972.D

Acq: 23 Nov 2019 22:22

Instrument :

BNA_F

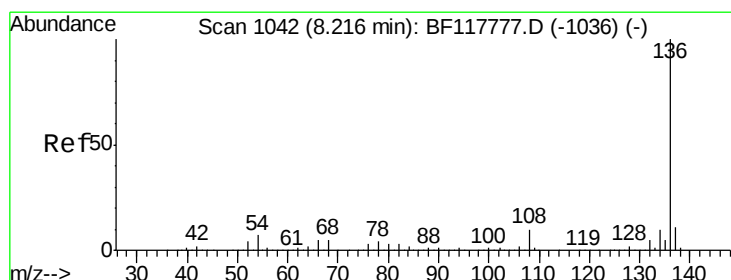
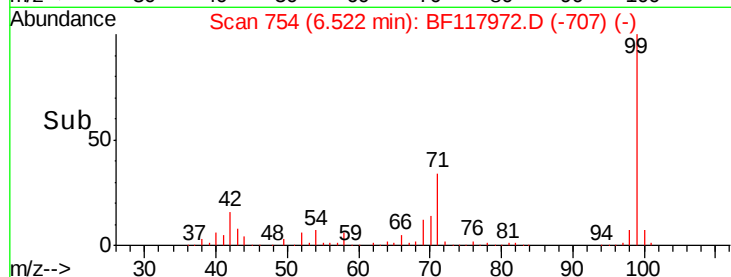
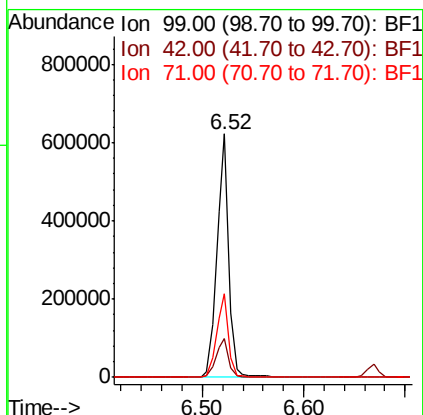
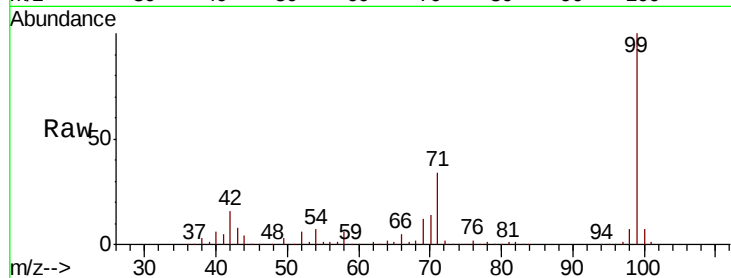
ClientSampleId :

HD-01-112119

Tot Ion:	99	Resp:	501294
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.9	22.3
71	34.1	28.6	43.0

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#21

Naphthalene-d8

Concen: 20.000 ng

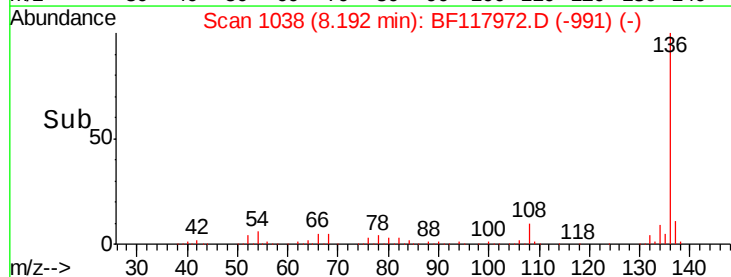
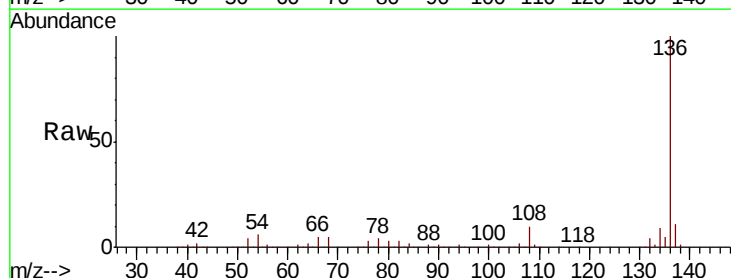
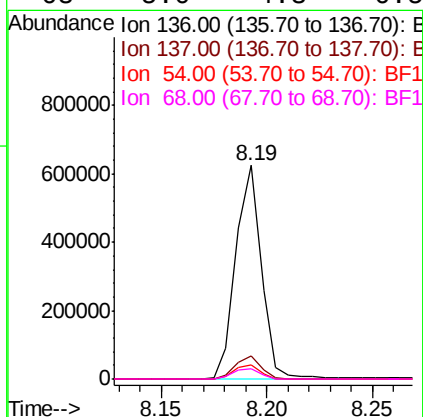
RT: 8.19 min Scan# 1038

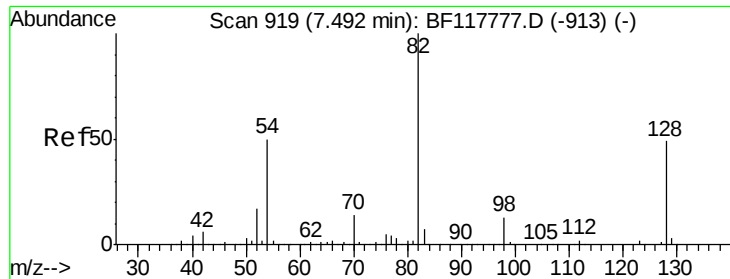
Delta R.T. -0.02 min

Lab File: BF117972.D

Acq: 23 Nov 2019 22:22

Tgt Ion:	136	Resp:	524613
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.0	13.4
54	6.4	5.4	8.2
68	5.0	4.3	6.5





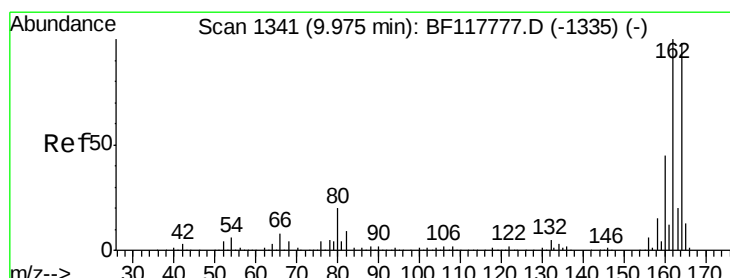
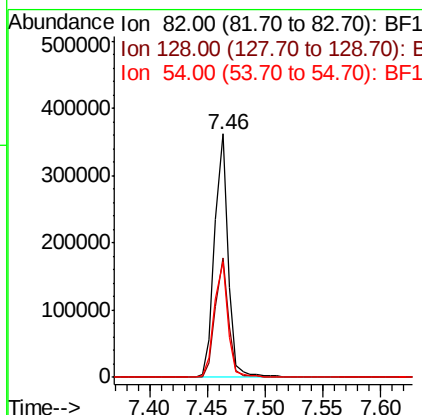
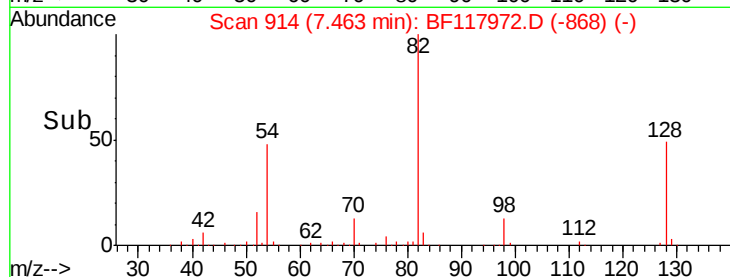
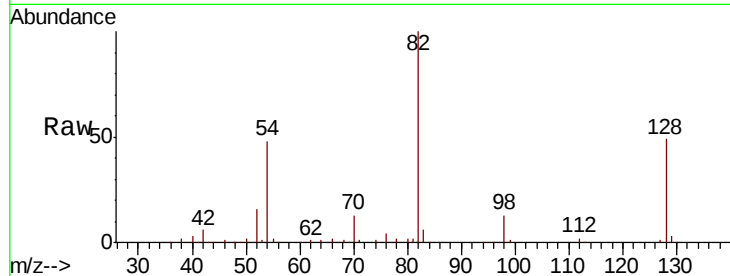
#23
Nitrobenzene-d5
Concen: 33.600 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.03 min
Lab File: BF117972.D
Acq: 23 Nov 2019 22:22

Instrument :
BNA_F
ClientSampleId :
HD-01-112119

Tot Ion	Ratio	Resp	Lower	Upper
82	100	296526		
128	48.9		38.9	58.3
54	47.6		39.8	59.6

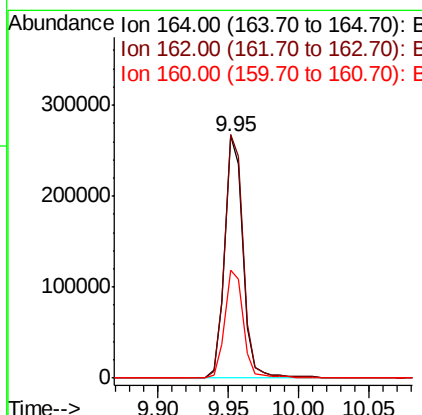
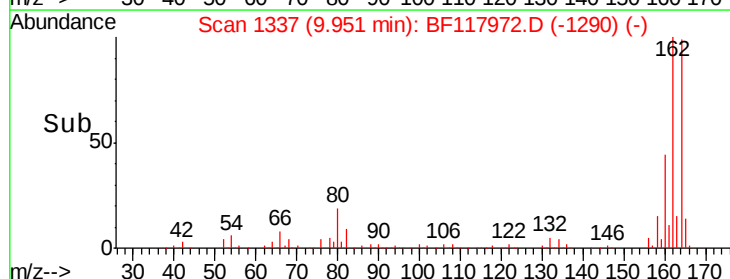
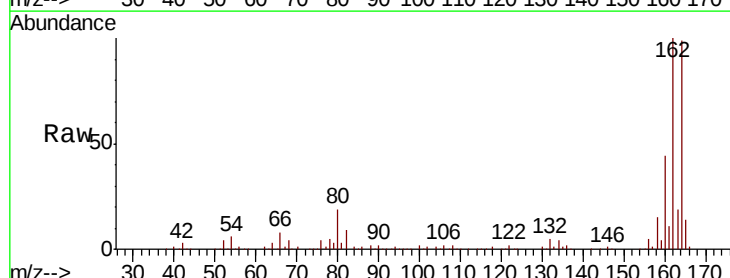
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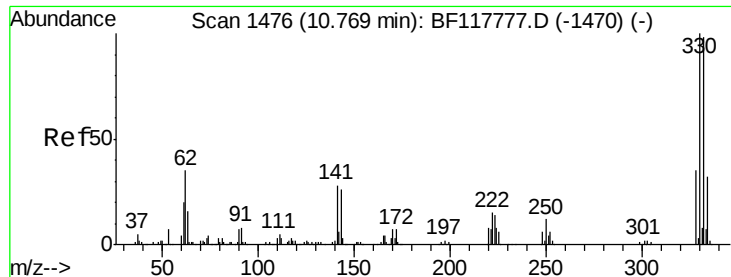
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF117972.D
Acq: 23 Nov 2019 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	240034		
162	100.6		81.3	121.9
160	44.4		36.6	55.0





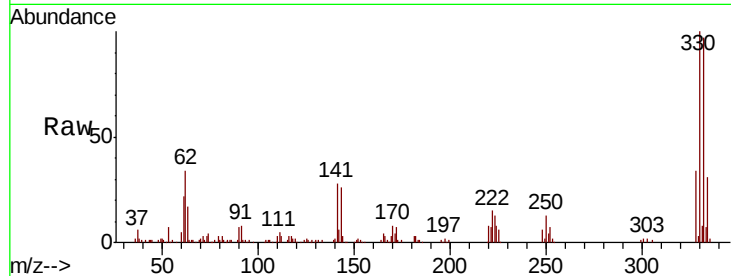
#42
2,4,6-Tribromophenol
Concen: 48.515 ng
RT: 10.75 min Scan# 1472
Delta R.T. -0.02 min
Lab File: BF117972.D
Acq: 23 Nov 2019 22:22

Instrument :
BNA_F
ClientSampleId :
HD-01-112119

Tot Ion	Ratio	Resp	Lower	Upper
330	100	123288		
332	96.3	76.7	115.1	
141	35.1	27.7	41.5	

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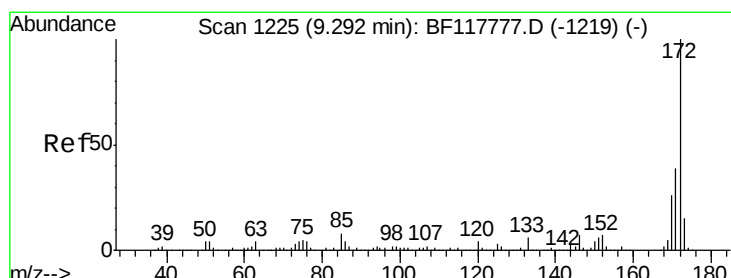
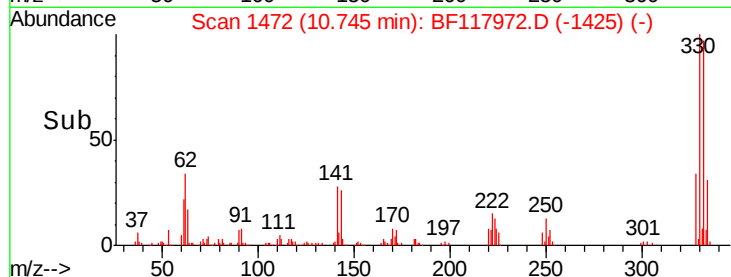
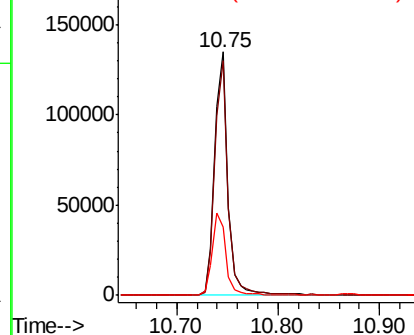


Abundance

Ion 329.80 (329.50 to 330.50): E

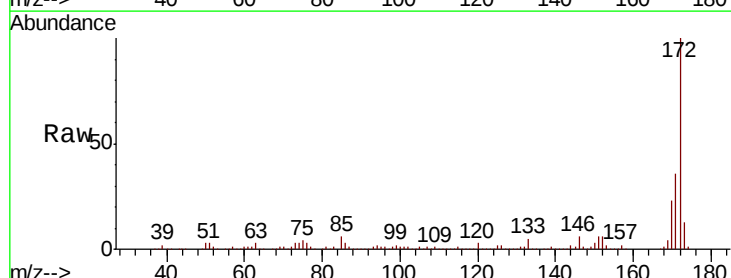
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 45.188 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.02 min
Lab File: BF117972.D
Acq: 23 Nov 2019 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	604596		
171	35.5	30.9	46.3	
170	23.5	21.0	31.4	

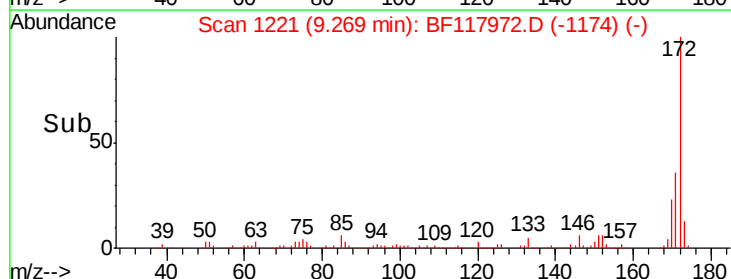
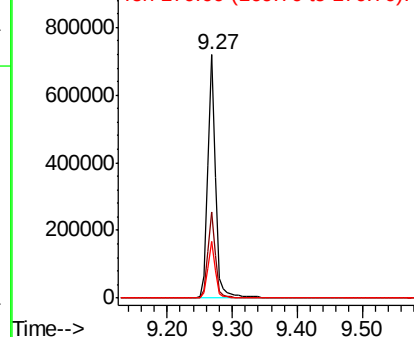


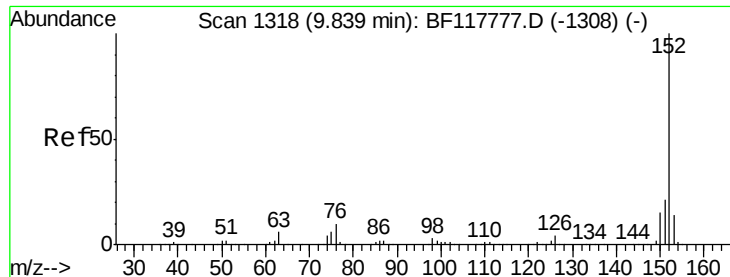
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





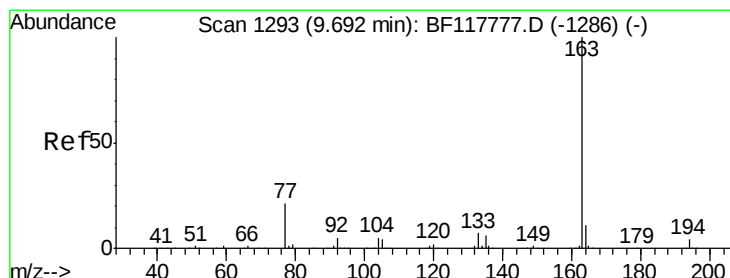
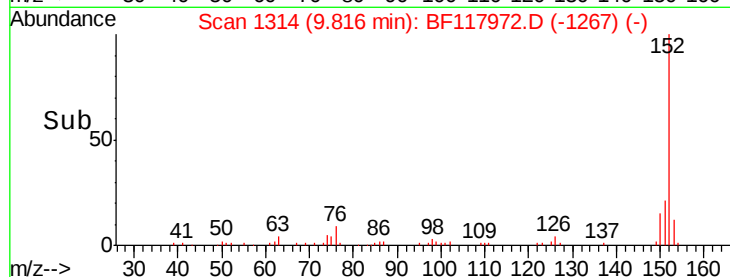
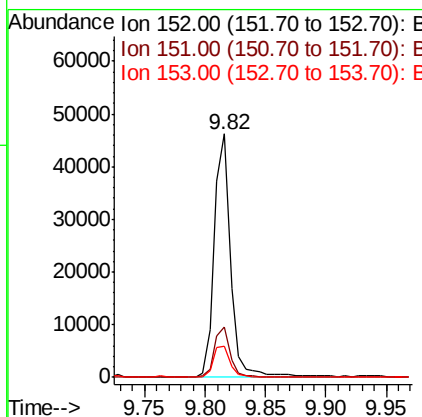
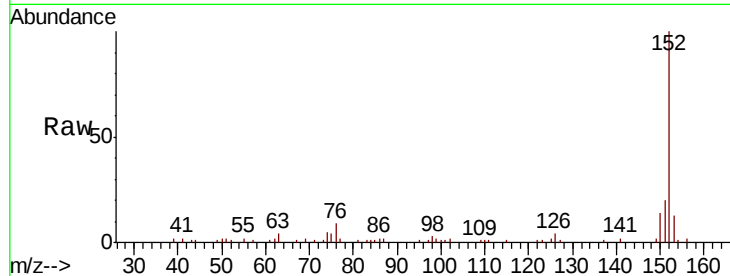
#49
Acenaphthylene
Concen: 2.027 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.02 min
Lab File: BF117972.D
Acq: 23 Nov 2019 22:22

Instrument :
BNA_F
ClientSampleId :
HD-01-112119

Tot Ion:	152	Resp:	43289
Ion Ratio	Lower	Upper	
152	100		
151	20.5	17.0	25.6
153	12.9	11.0	16.6

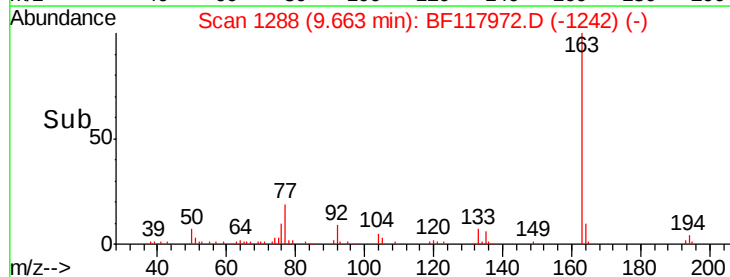
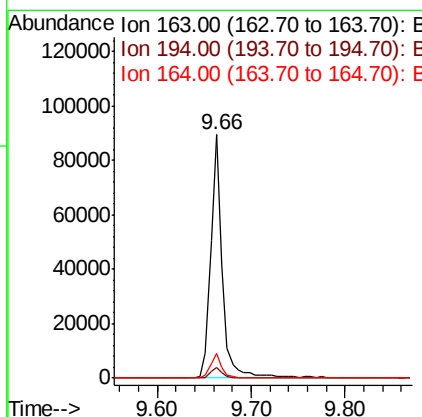
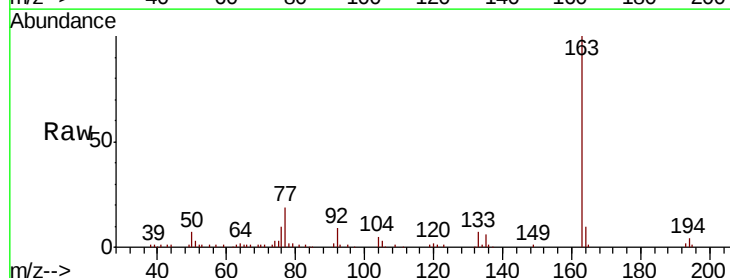
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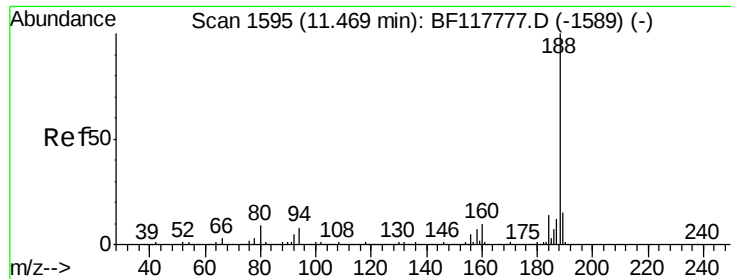
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#50
Dimethylphthalate
Concen: 4.677 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.03 min
Lab File: BF117972.D
Acq: 23 Nov 2019 22:22

Tgt Ion:	163	Resp:	78731
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.3	4.9
164	10.4	8.7	13.1





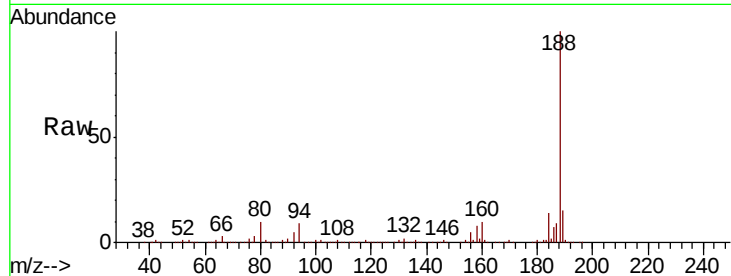
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.02 min
Lab File: BF117972.D
Acq: 23 Nov 2019 22:22

Instrument :
BNA_F
ClientSampleId :
HD-01-112119

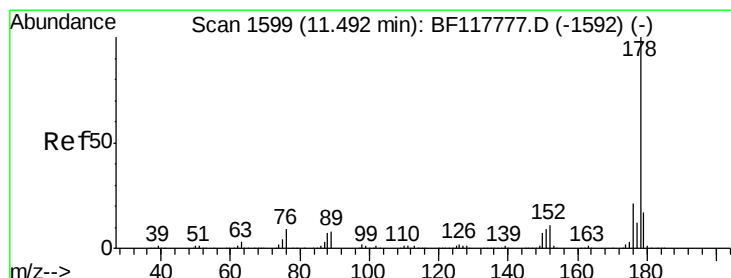
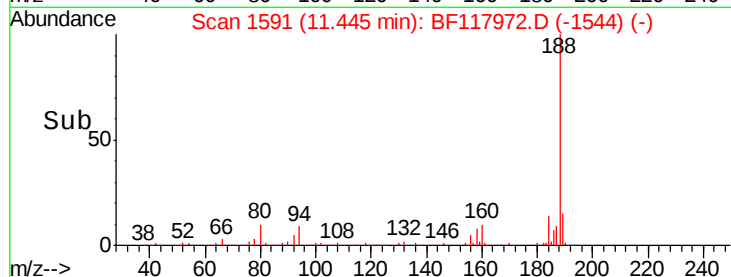
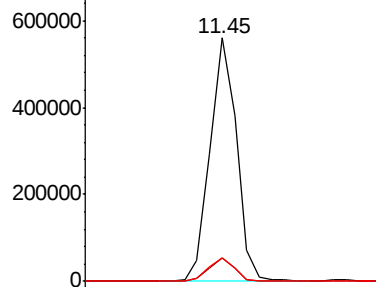
Tot Ion	Ratio	Resp	Lower	Upper
188	100	486850		
94	9.4	6.6	10.0	
80	9.6	7.2	10.8	

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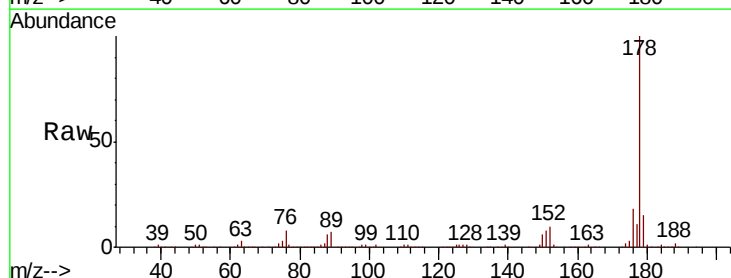


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

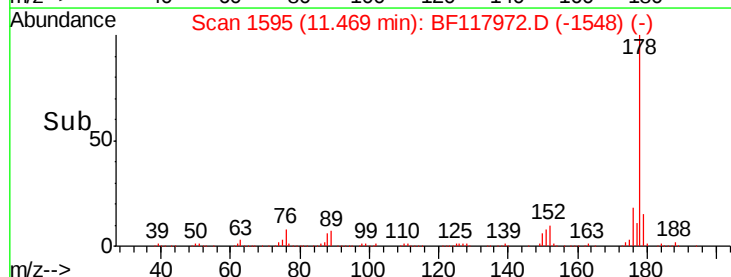
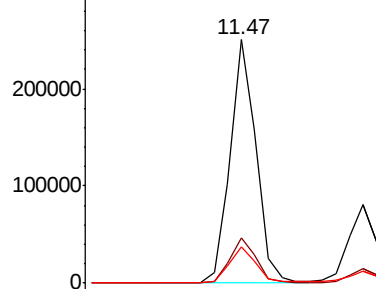


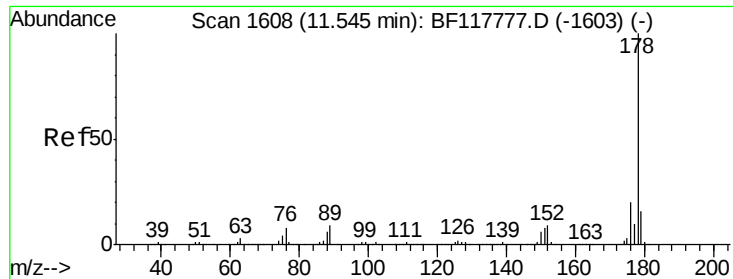
#71
Phenanthrene
Concen: 8.071 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.02 min
Lab File: BF117972.D
Acq: 23 Nov 2019 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	197554		
176	18.4	16.6	25.0	
179	14.7	13.2	19.8	



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: 2.669 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.02 min

Lab File: BF117972.D

Acq: 23 Nov 2019 22:22

Instrument :

BNA_F

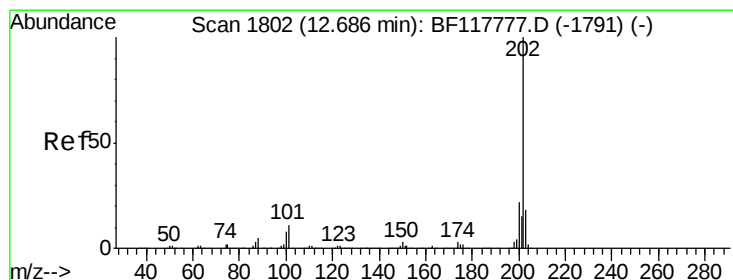
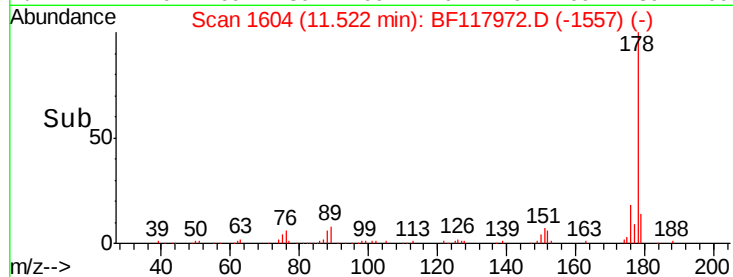
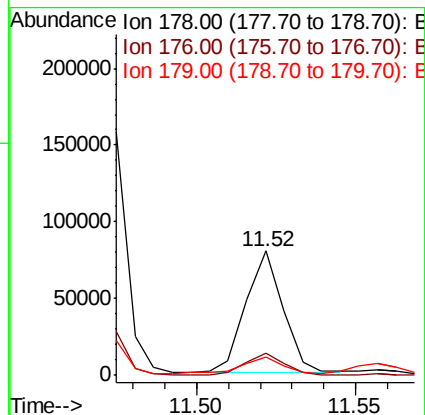
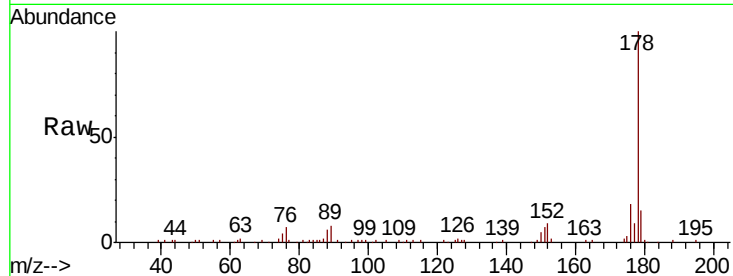
ClientSampleId :

HD-01-112119

Tot Ion:	178	Resp:	64772
Ion	Ratio	Lower	Upper
178	100		
176	17.6	16.1	24.1
179	14.7	13.0	19.4

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#75

Fluoranthene

Concen: 13.767 ng

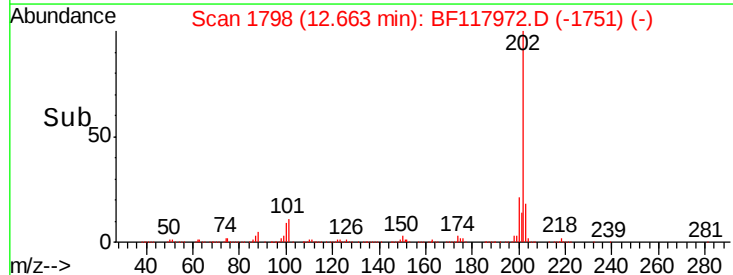
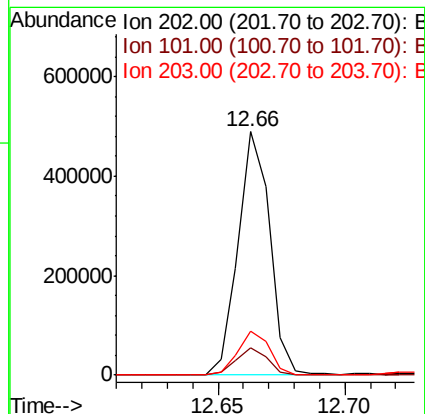
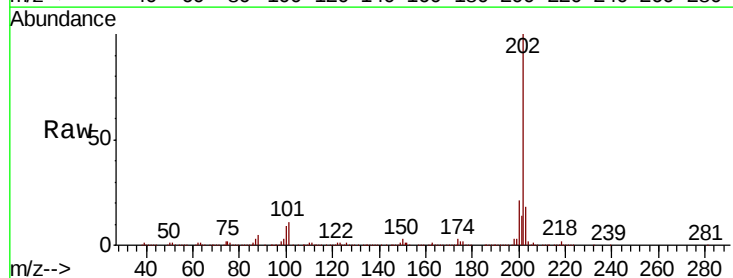
RT: 12.66 min Scan# 1798

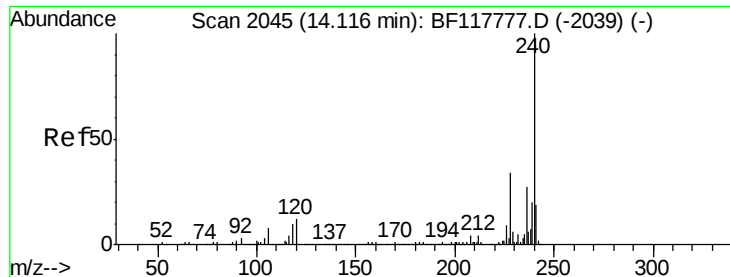
Delta R.T. -0.02 min

Lab File: BF117972.D

Acq: 23 Nov 2019 22:22

Tgt Ion:	202	Resp:	423277
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.1
203	18.0	0.0	38.2





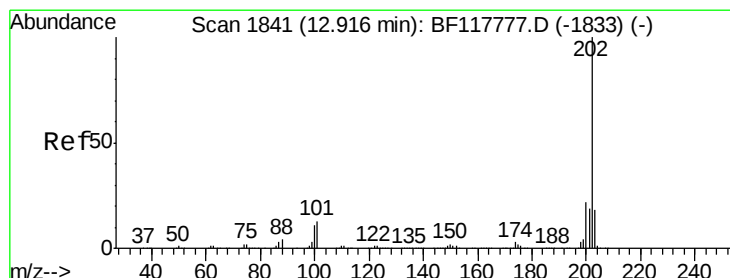
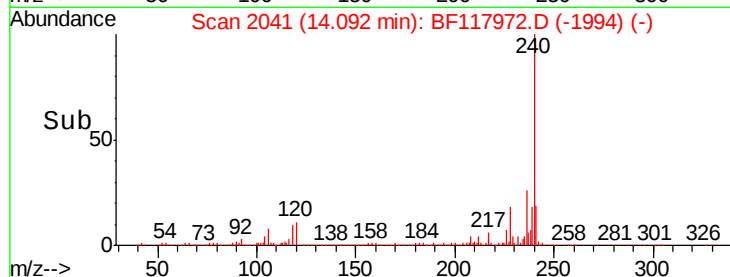
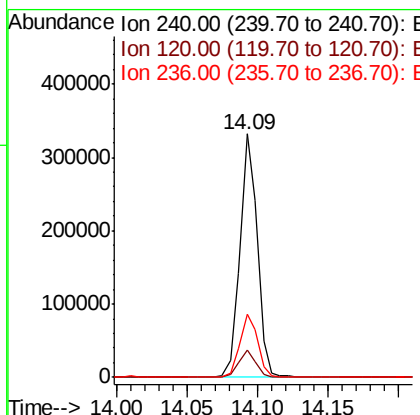
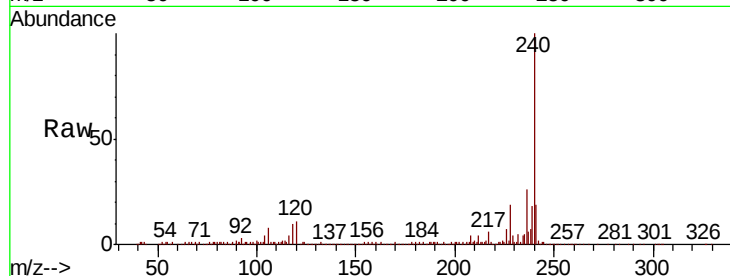
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.02 min
Lab File: BF117972.D
Acq: 23 Nov 2019 22:22

Instrument :
BNA_F
ClientSampleId :
HD-01-112119

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.4	9.5	14.3	
236	25.9	21.3	31.9	

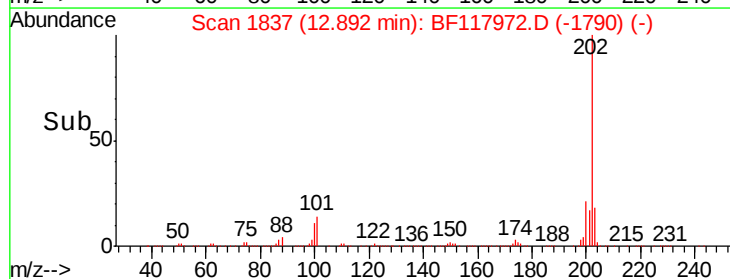
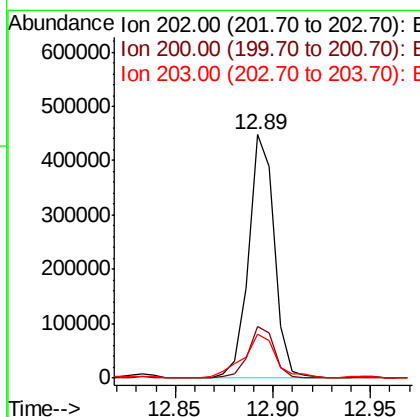
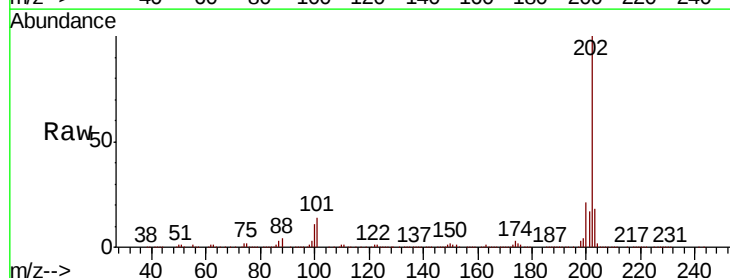
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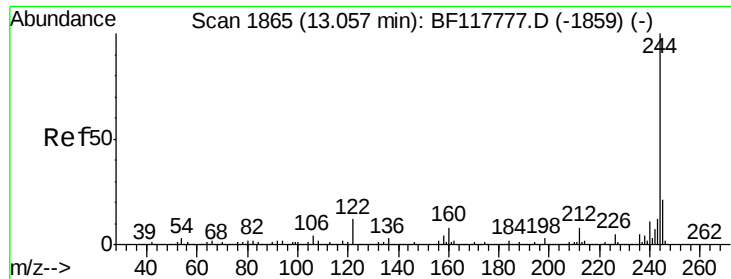
mohammad
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#78
Pyrene
Concen: 17.979 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.02 min
Lab File: BF117972.D
Acq: 23 Nov 2019 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.1	17.8	26.8	
203	17.9	14.6	22.0	





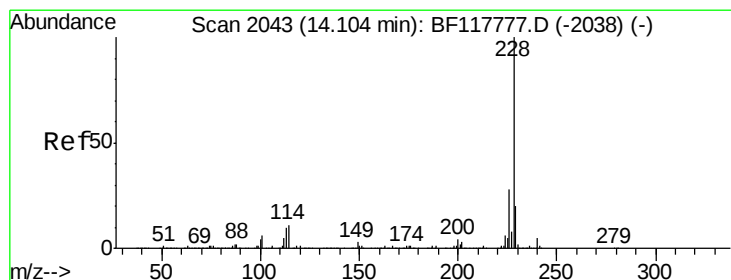
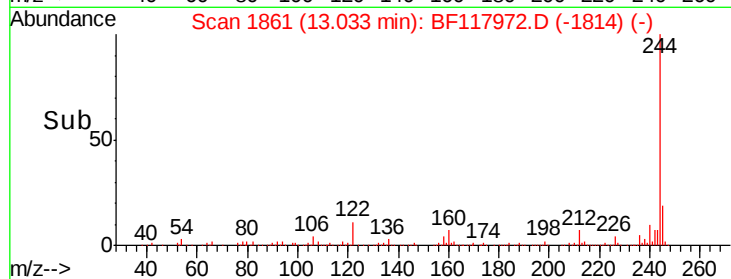
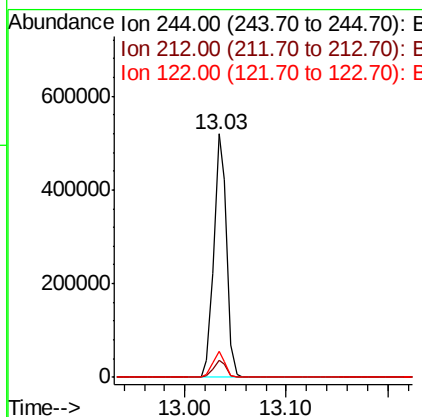
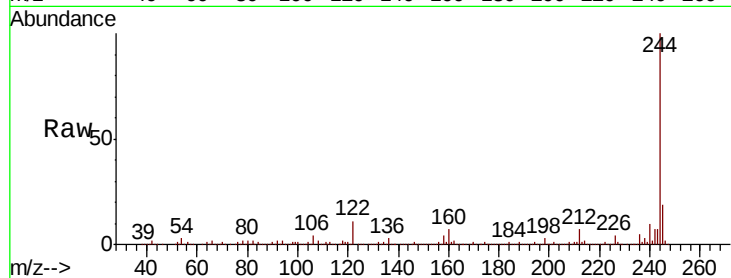
#79
 Terphenyl-d14
 Concen: 29.518 ng
 RT: 13.03 min Scan# 1861
 Delta R.T. -0.02 min
 Lab File: BF117972.D
 Acq: 23 Nov 2019 22:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-112119

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.3	9.5
122	10.8	9.4	14.2

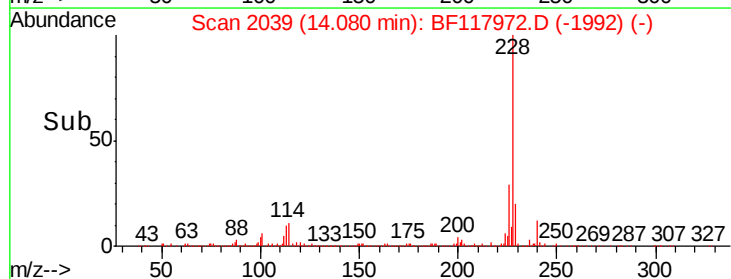
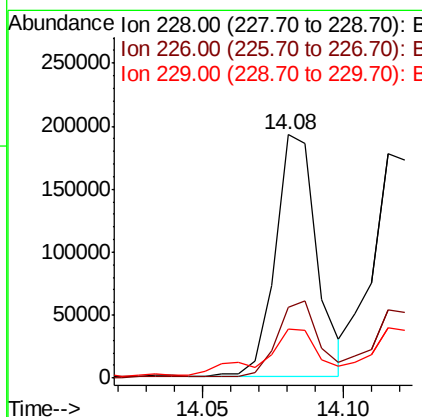
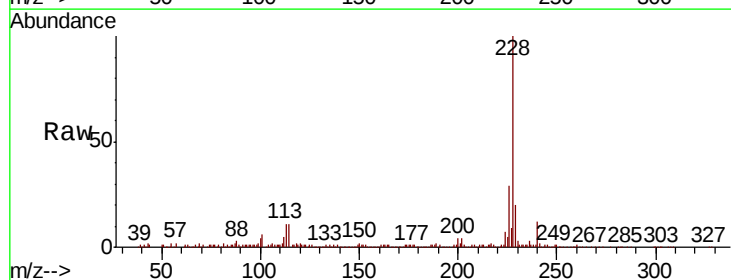
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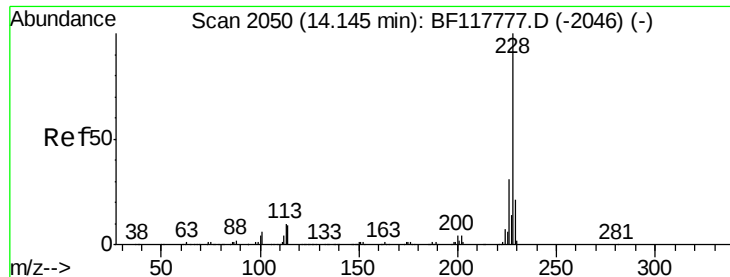
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#81
 Benzo(a)anthracene
 Concen: 10.544 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. -0.02 min
 Lab File: BF117972.D
 Acq: 23 Nov 2019 22:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.2
229	20.2	15.9	23.9





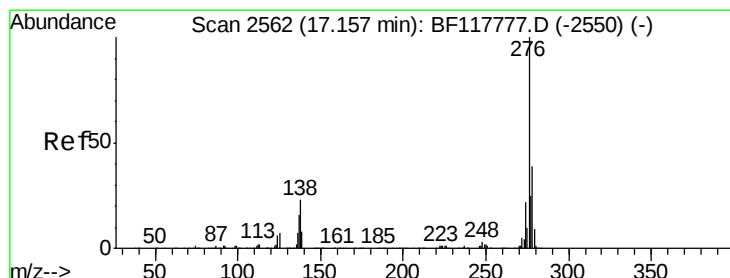
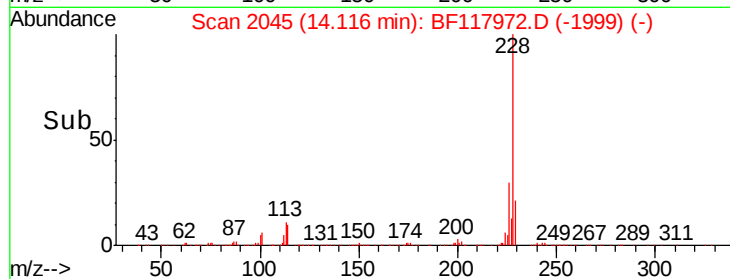
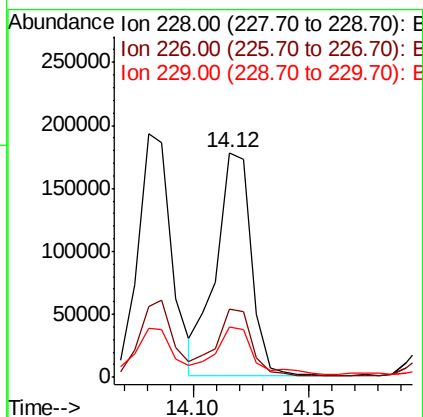
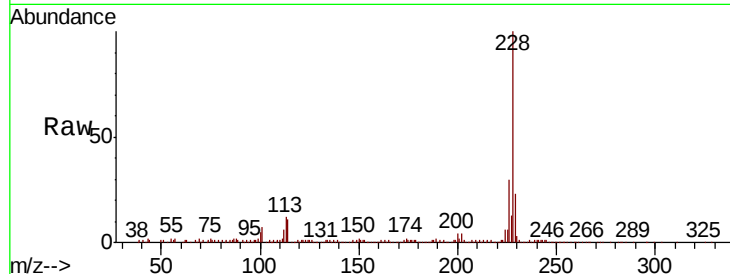
#83
Chrysene
Concen: 10.483 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.03 min
Lab File: BF117972.D
Acq: 23 Nov 2019 22:22

Instrument :
BNA_F
ClientSampleId :
HD-01-112119

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.4
229	22.5	16.6	25.0

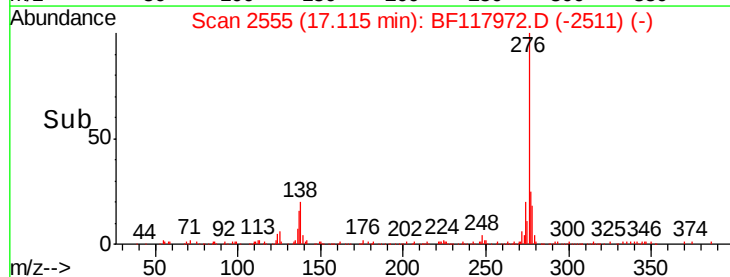
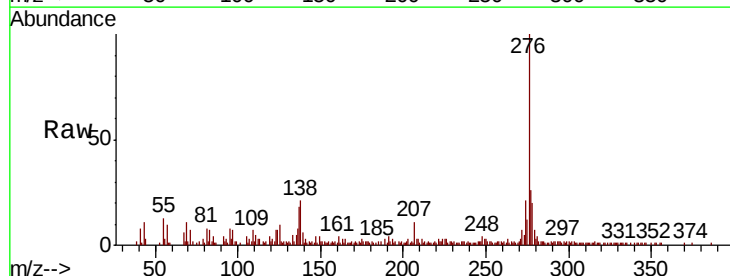
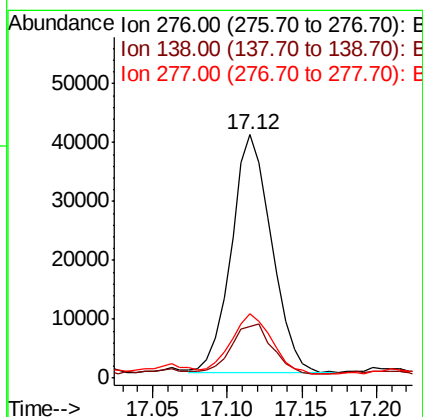
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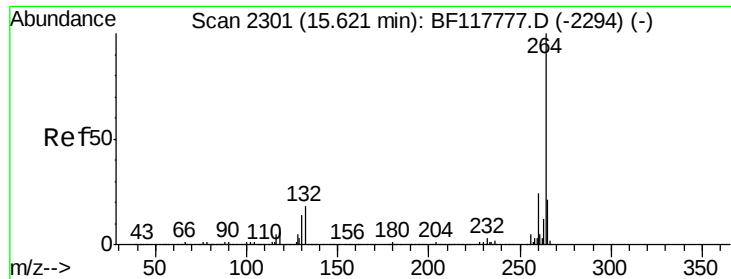
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.966 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.04 min
Lab File: BF117972.D
Acq: 23 Nov 2019 22:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	20.9	31.3
277	26.1	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.60 min Scan# 2297

Delta R.T. -0.02 min

Lab File: BF117972.D

Acq: 23 Nov 2019 22:22

Instrument :

BNA_F

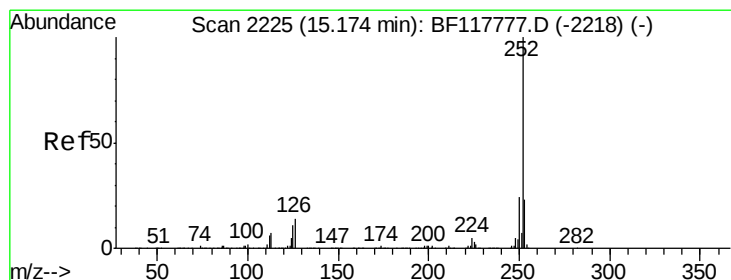
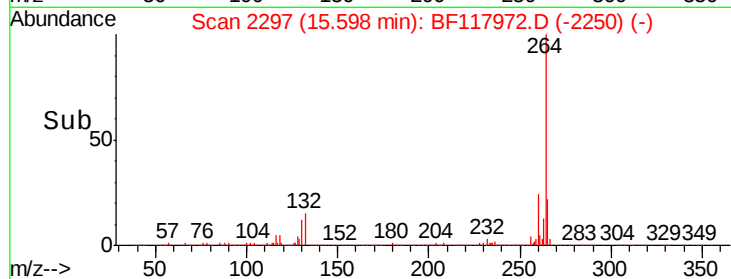
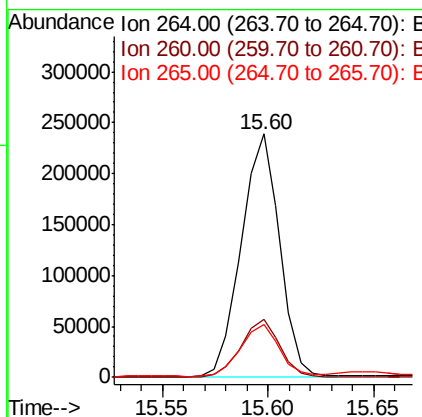
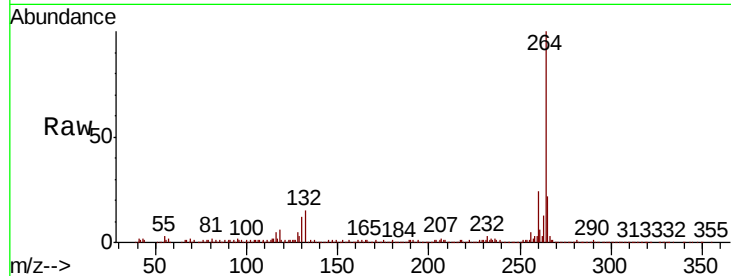
ClientSampleId :

HD-01-112119

Tot Ion:	264	Resp:	300014
Ion Ratio		Lower	Upper
264	100		
260	23.9	19.4	29.0
265	21.9	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 11.616 ng m

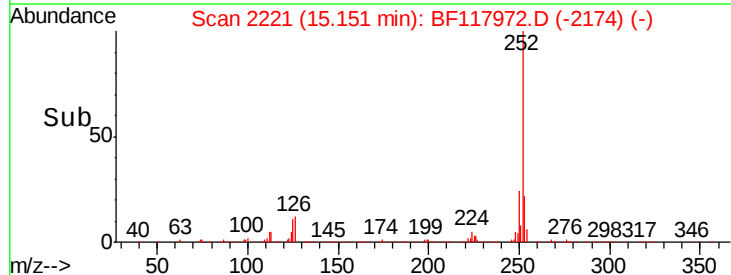
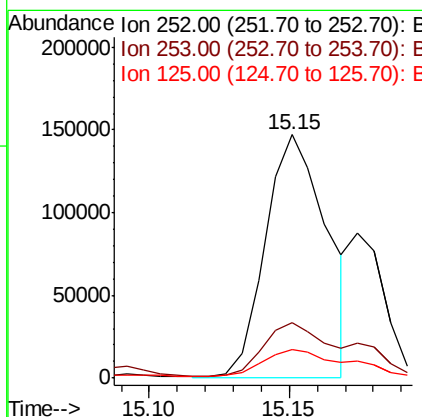
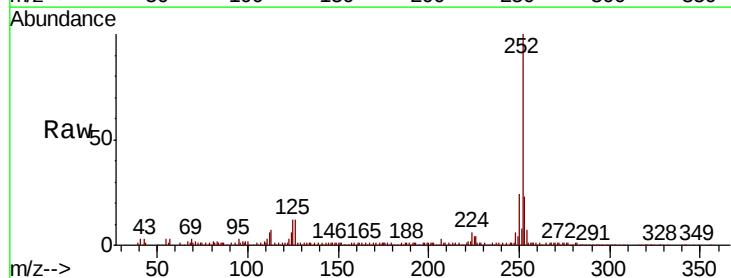
RT: 15.15 min Scan# 2221

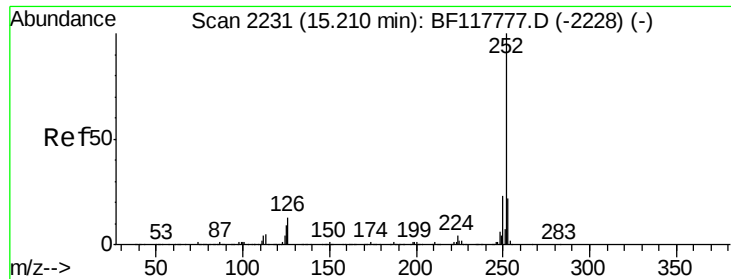
Delta R.T. -0.02 min

Lab File: BF117972.D

Acq: 23 Nov 2019 22:22

Tgt Ion:	252	Resp:	226423
Ion Ratio		Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.9	8.6	13.0





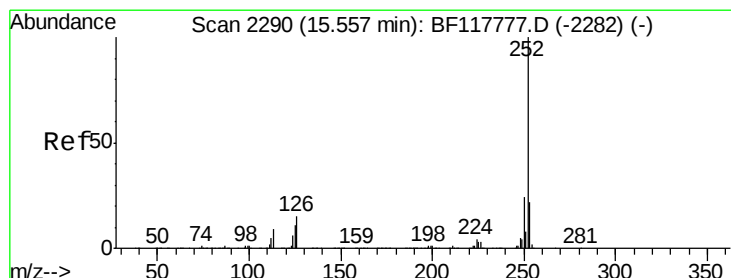
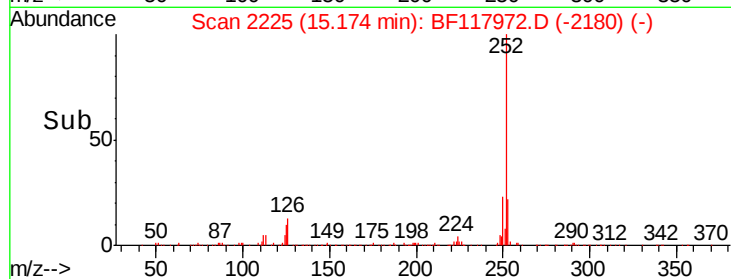
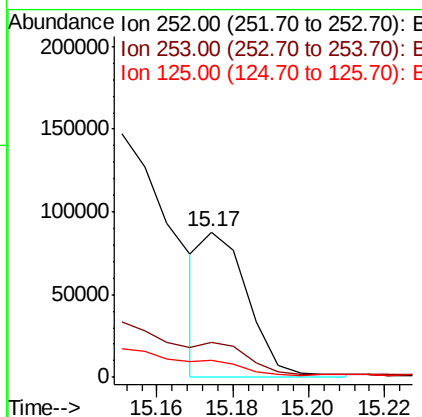
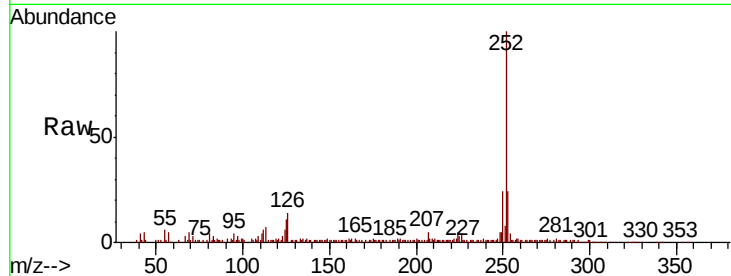
#89
Benzo(k)fluoranthene
Concen: 4.072 ng m
RT: 15.17 min Scan# 2225
Delta R.T. -0.04 min
Lab File: BF117972.D
Acq: 23 Nov 2019 22:22

Instrument :
BNA_F
ClientSampleId :
HD-01-112119

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	11.5	7.9	11.9

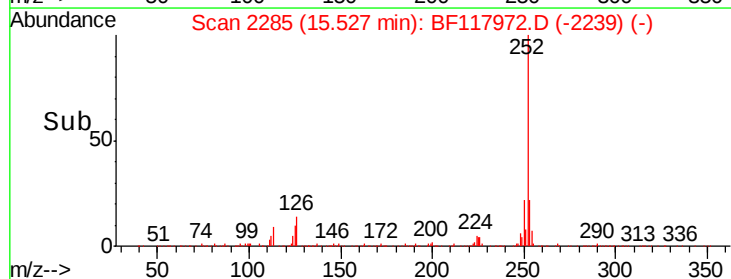
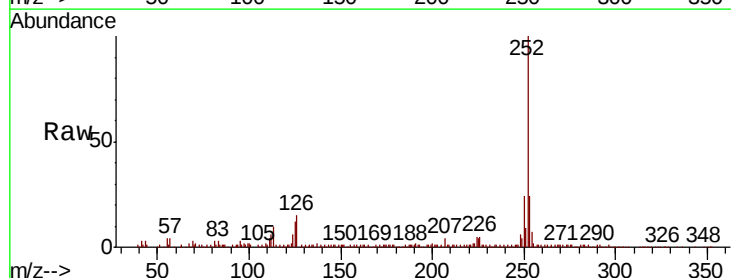
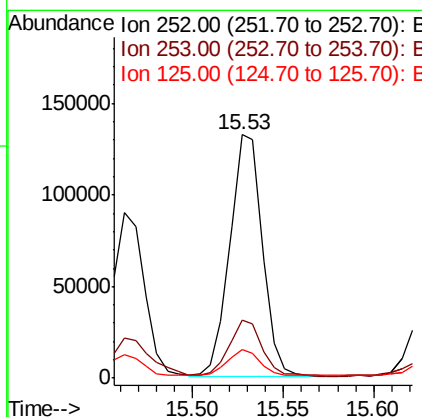
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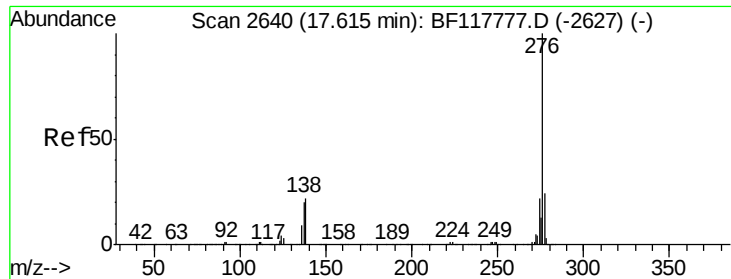
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#90
Benzo(a)pyrene
Concen: 9.636 ng
RT: 15.53 min Scan# 2285
Delta R.T. -0.03 min
Lab File: BF117972.D
Acq: 23 Nov 2019 22:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	11.7	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 4.881 ng
 RT: 17.58 min Scan# 2634
 Delta R.T. -0.04 min
 Lab File: BF117972.D
 Acq: 23 Nov 2019 22:22

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-112119

Tot Ion:	276	Resp:	71719
Ion Ratio	Lower	Upper	
276	100		
277	25.5	18.9	28.3
138	22.1	17.4	26.2

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