

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117635.D
 Acq On : 30 Oct 2019 19:59
 Operator : JU
 Sample : K5542-15 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 202-38-(0-1.5)

Manual Integrations
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Quant Time: Oct 31 04:11:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	39078	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	151927	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	69698	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	108233	20.00	ng	0.00
76) Chrysene-d12	13.90	240	75093	20.00	ng	0.00
87) Perylene-d12	15.34	264	57857	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	88618	33.74	ng	0.01
7) Phenol-d6	6.39	99	124870	35.39	ng	0.01
23) Nitrobenzene-d5	7.30	82	62968	20.46	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	18009	29.86	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	111078	22.46	ng	-0.01
79) Terphenyl-d14	12.83	244	96950	21.06	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	16810	3.383	ng	97
71) Phenanthrene	11.27	178	28128	4.476	ng	99
75) Fluoranthene	12.47	202	55573	8.833	ng	97
78) Pyrene	12.70	202	50459	7.823	ng	99
81) Benzo(a)anthracene	13.89	228	23767	4.692	ng	99
83) Chrysene	13.92	228	22488	4.530	ng	97
86) Indeno(1,2,3-cd)pyrene	16.77	276	9525	2.570	ng	# 81
88) Benzo(b)fluoranthene	14.93	252	20351m	5.957	ng	
89) Benzo(k)fluoranthene	14.95	252	7619m	2.176	ng	
90) Benzo(a)pyrene	15.28	252	13954	4.492	ng	# 87
92) Benzo(g,h,i)perylene	17.20	276	9209	3.624	ng	95

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

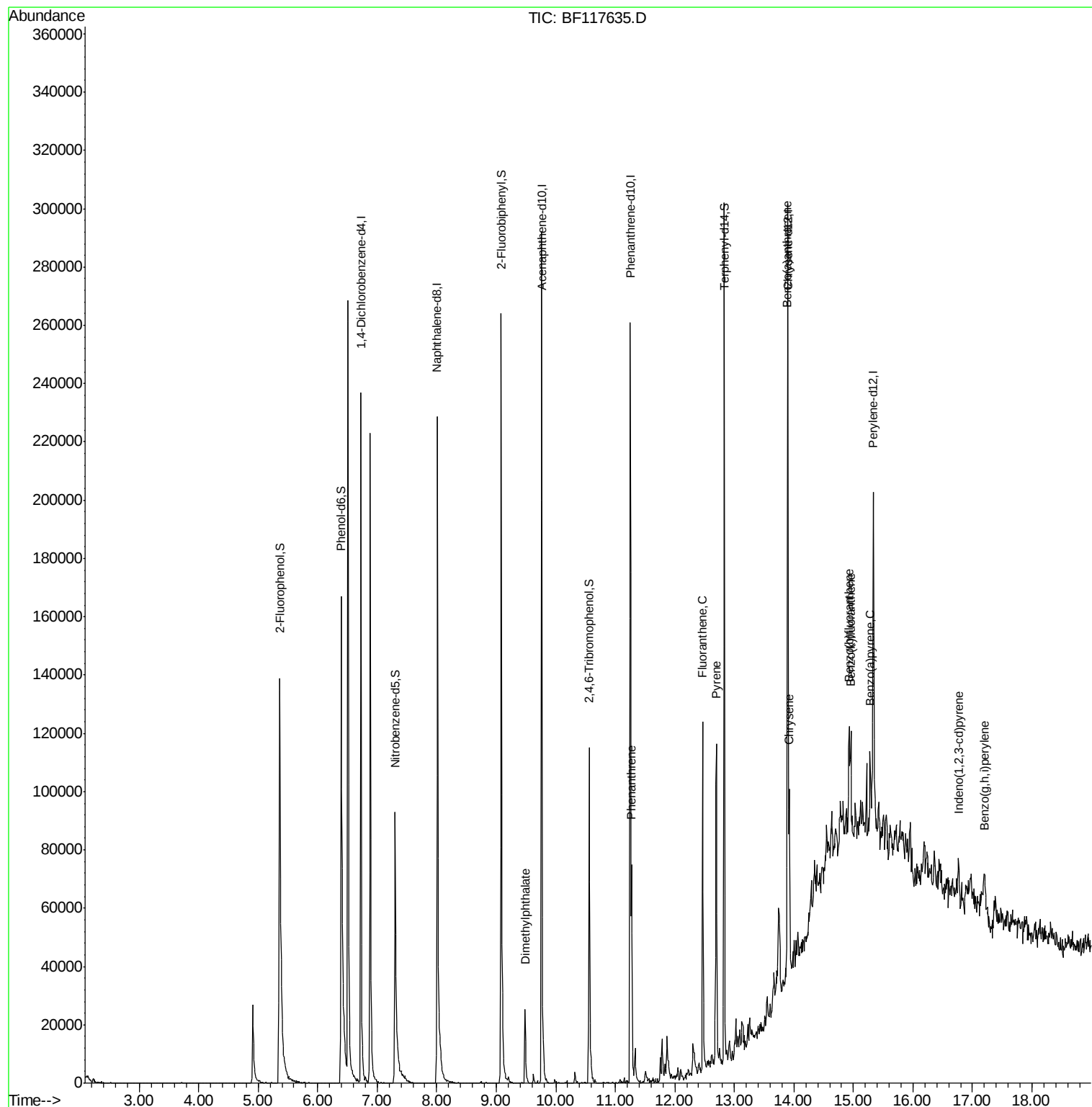
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117635.D
Acq On : 30 Oct 2019 19:59
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ALS Vial : 22 Sample Multiplier: 1

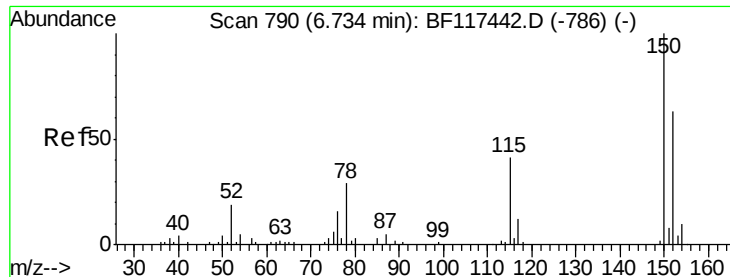
Instrument :
BNA_F
ClientSampleId :
202-38-(0-1.5)

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Quant Time: Oct 31 04:11:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

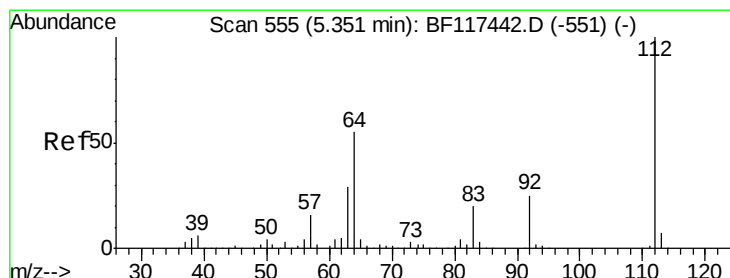
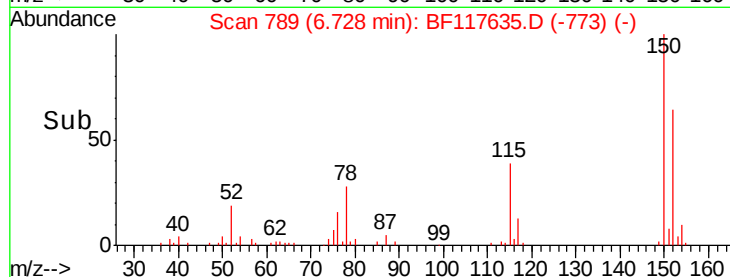
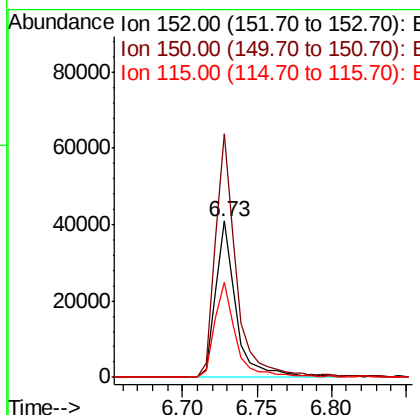
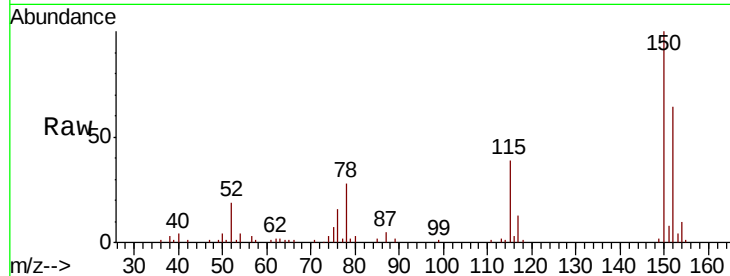
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117635.D
Acq: 30 Oct 2019 19:59

Instrument :
BNA_F
ClientSampleId :
202-38-(0-1.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	126.8	190.2
115	61.0	51.6	77.4

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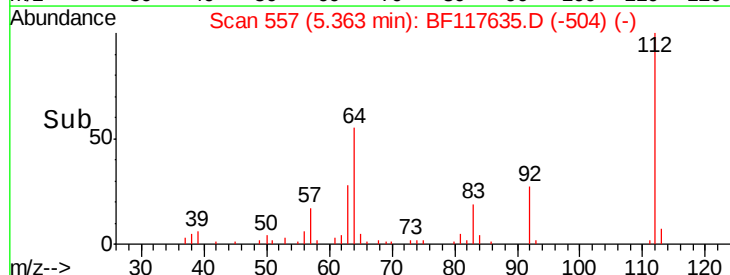
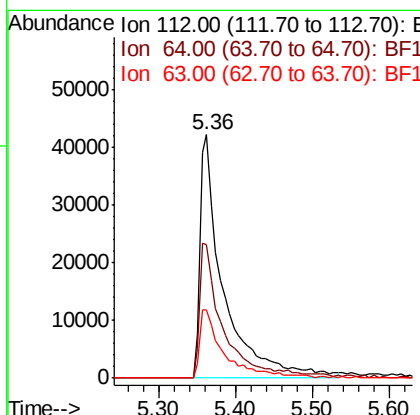
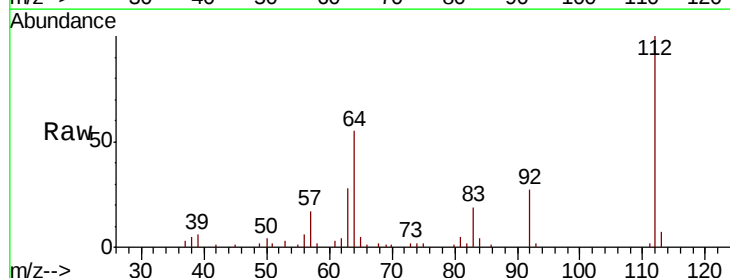
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#5

2-Fluorophenol
Concen: 33.737 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF117635.D
Acq: 30 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.1	66.1
63	28.1	23.4	35.2





#7

Phenol-d6

Concen: 35.394 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF117635.D

Acq: 30 Oct 2019 19:59

Instrument :

BNA_F

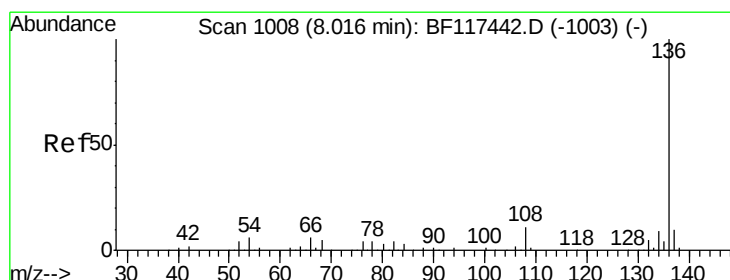
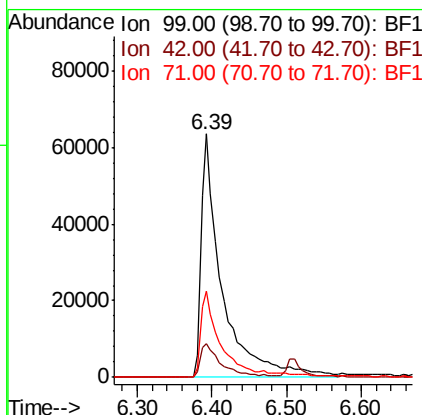
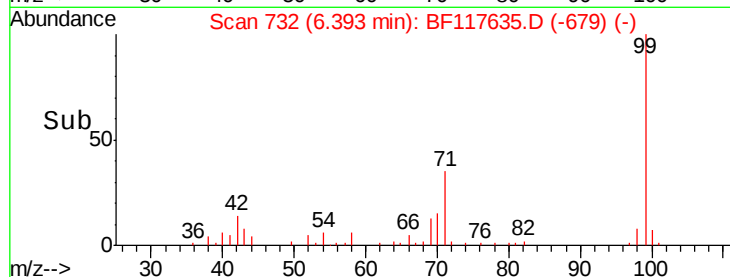
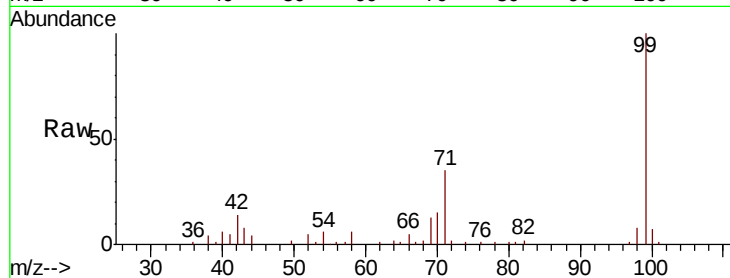
ClientSampleId :

202-38-(0-1.5)

Tot Ion:	99	Resp:	124870
Ion Ratio	Lower	Upper	
99	100		
42	14.0	12.8	19.2
71	35.3	28.6	43.0

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#21

Naphthalene-d8

Concen: 20.000 ng

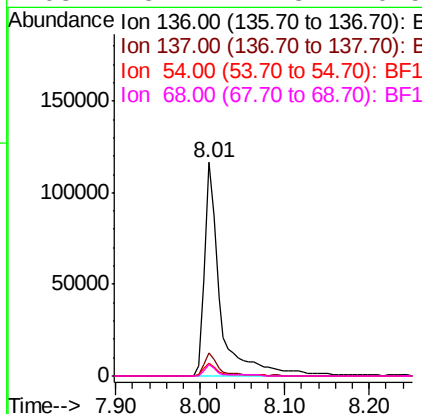
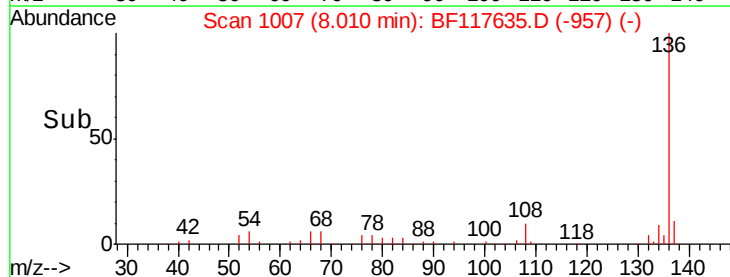
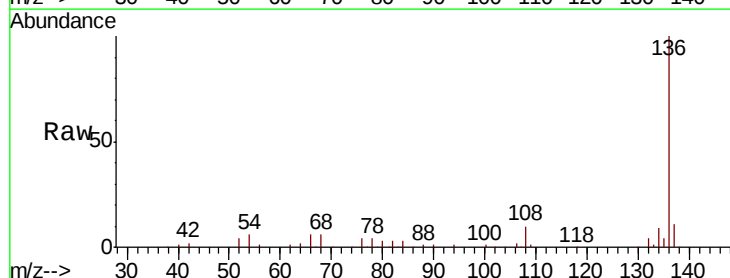
RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117635.D

Acq: 30 Oct 2019 19:59

Tgt Ion:	136	Resp:	151927
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.2	12.4
54	6.1	4.5	6.7
68	5.7	4.3	6.5





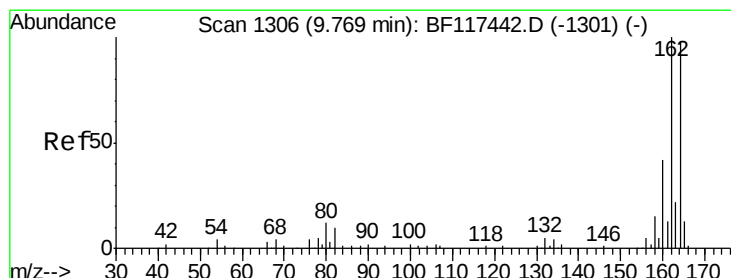
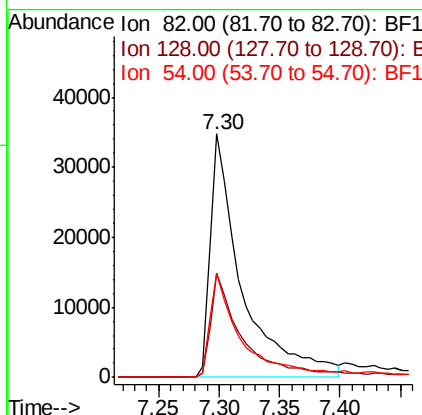
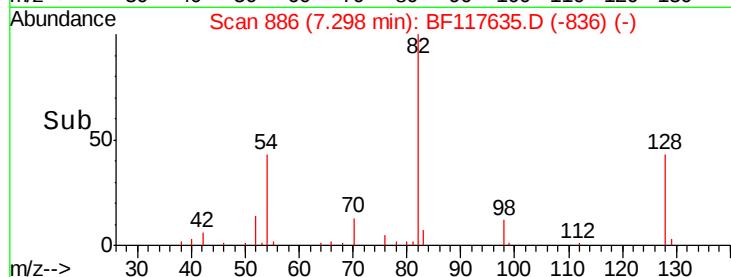
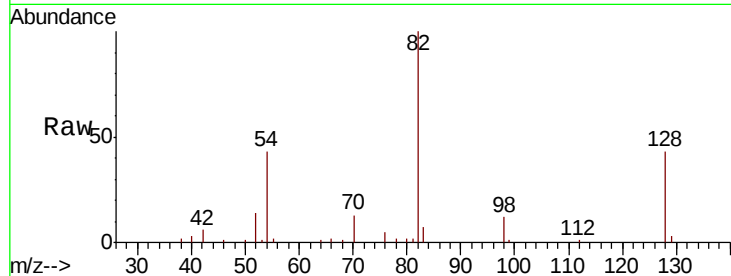
#23
Nitrobenzene-d5
Concen: 20.461 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117635.D
Acq: 30 Oct 2019 19:59

Instrument :
BNA_F
ClientSampleId :
202-38-(0-1.5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.2	48.2
54	42.9	34.2	51.2

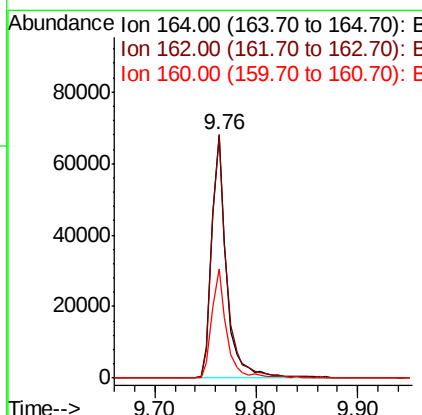
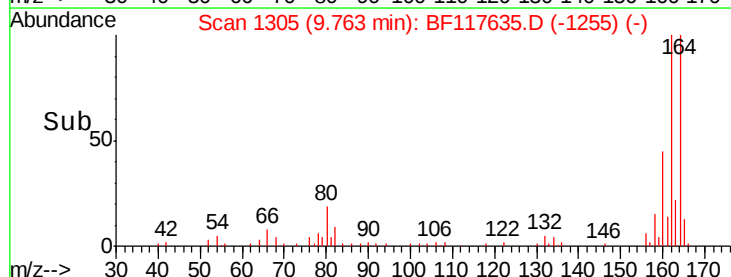
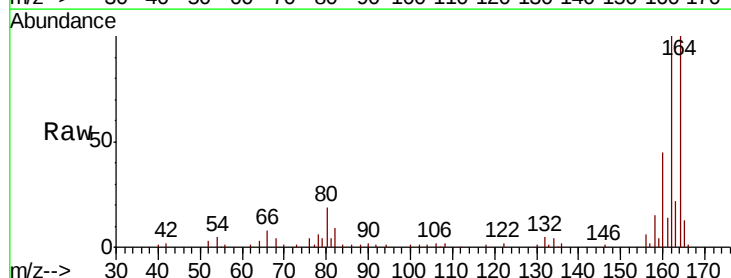
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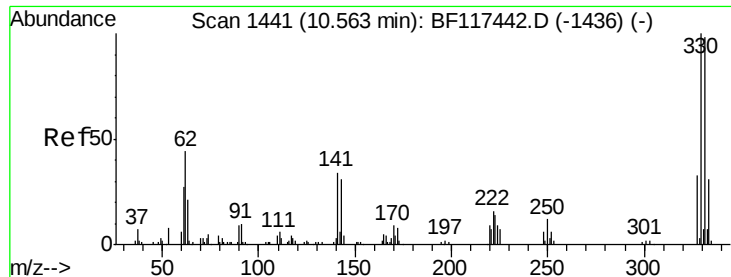
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117635.D
Acq: 30 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.8	122.6
160	45.3	34.4	51.6





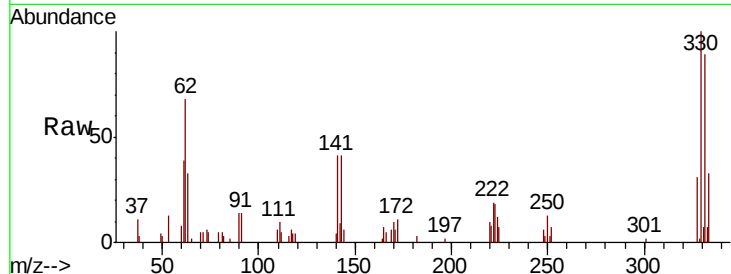
#42
 2,4,6-Tribromophenol
 Concen: 29.862 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: BF117635.D
 Acq: 30 Oct 2019 19:59

Instrument :
 BNA_F
 ClientSampleId :
 202-38-(0-1.5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	78.5	117.7
141	40.4	37.0	55.6

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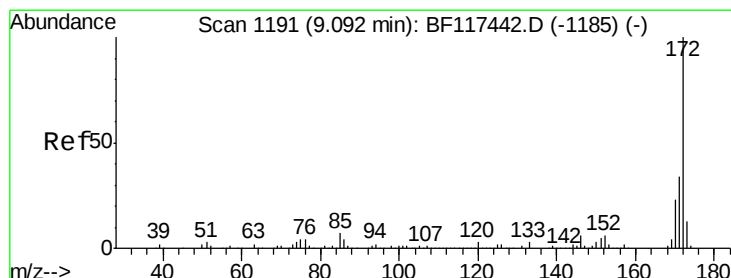
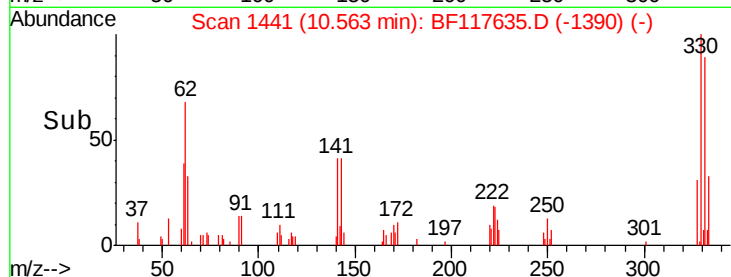
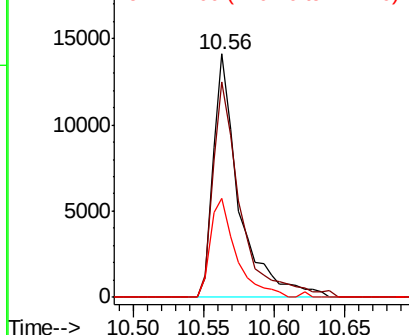


Abundance

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: 22.455 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117635.D
 Acq: 30 Oct 2019 19:59

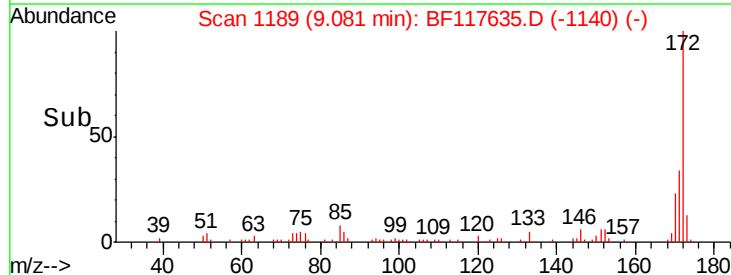
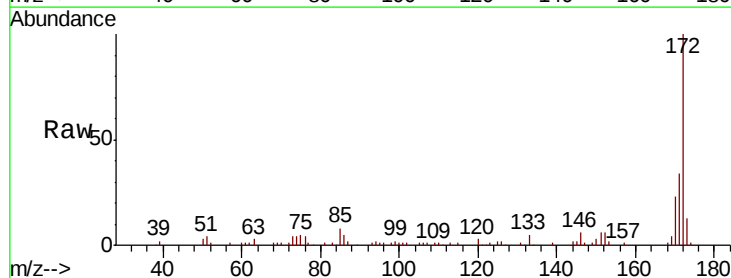
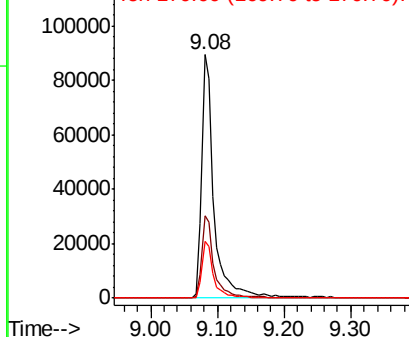
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.5	41.3
170	23.2	18.6	27.8

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





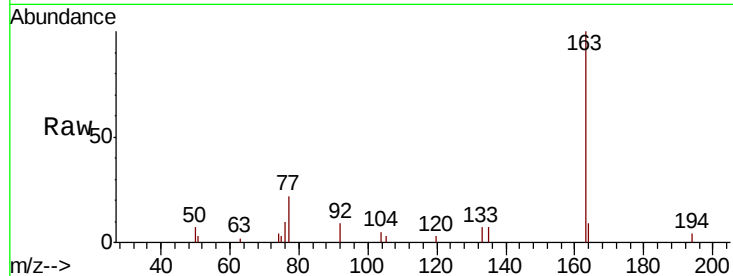
#50
Dimethylphthalate
Concen: 3.383 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117635.D
Acq: 30 Oct 2019 19:59

Instrument :
BNA_F
ClientSampleId :
202-38-(0-1.5)

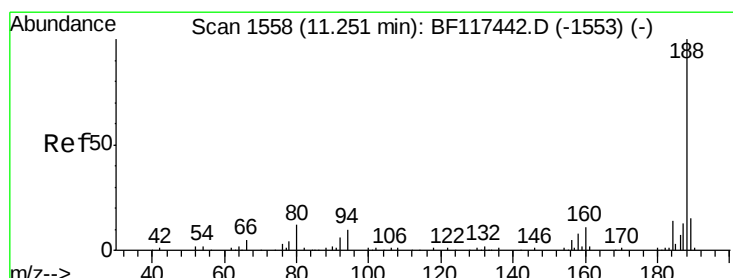
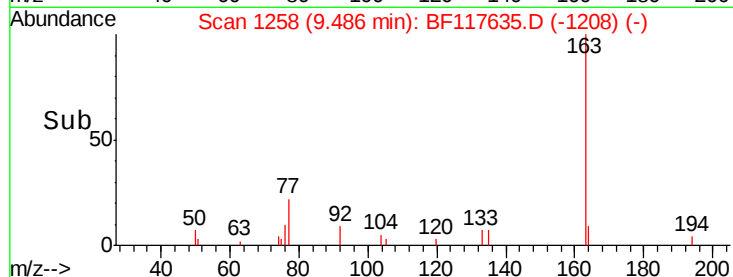
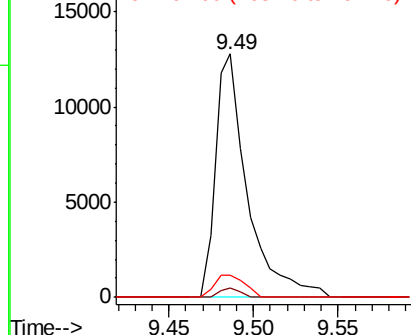
Tot Ion	Ratio	Resp	Lower	Upper
163	100	16810		
194	4.0		2.9	4.3
164	9.0		8.2	12.2

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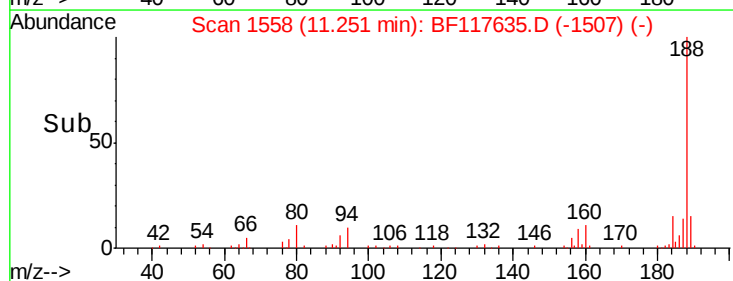
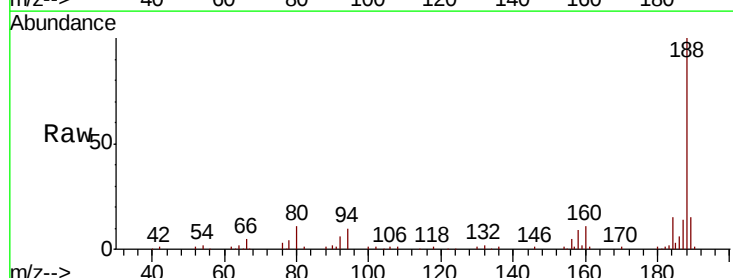
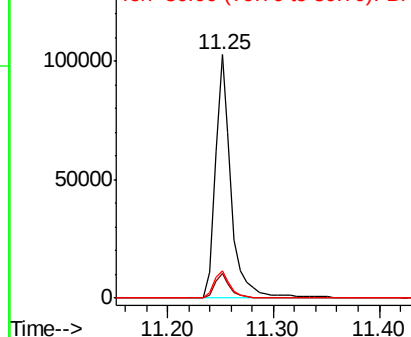
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

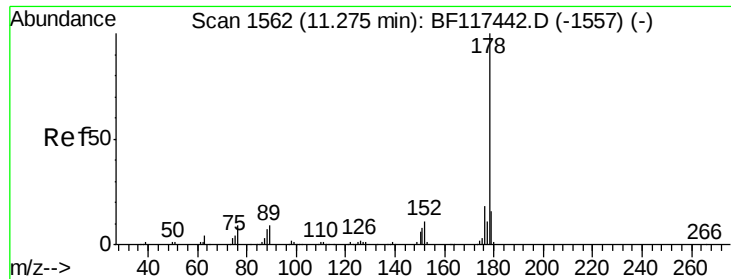


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF117635.D
Acq: 30 Oct 2019 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	108233		
94	10.1		8.0	12.0
80	11.2		9.5	14.3

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: 4.476 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF117635.D

Acq: 30 Oct 2019 19:59

Instrument :

BNA_F

ClientSampleId :

202-38-(0-1.5)

Tot Ion:178 Resp: 28128

Ion Ratio Lower Upper

178 100

176 17.5 14.6 22.0

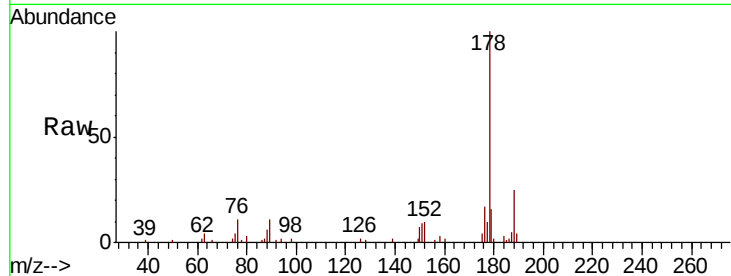
179 16.0 12.6 19.0

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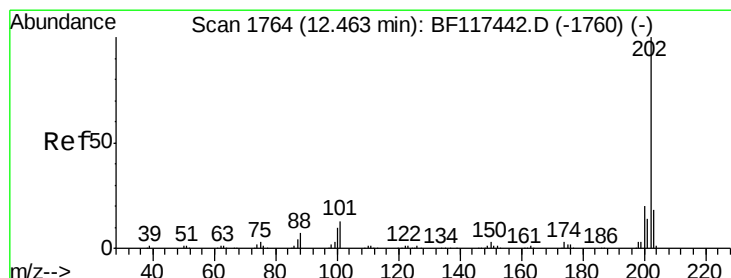
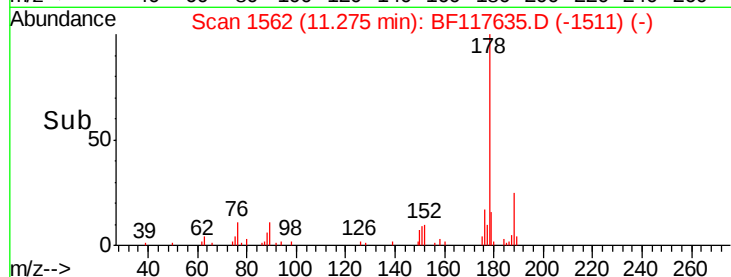
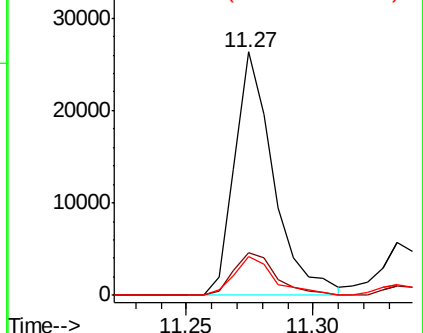
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 8.833 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117635.D

Acq: 30 Oct 2019 19:59

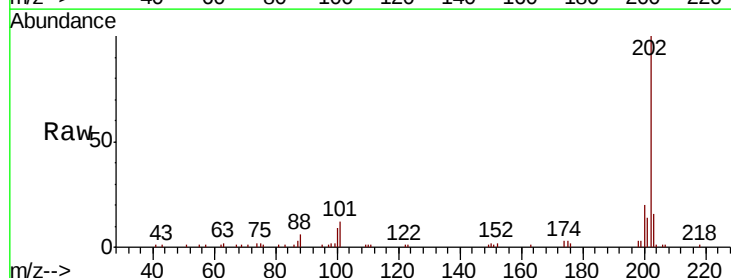
Tgt Ion:202 Resp: 55573

Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.7

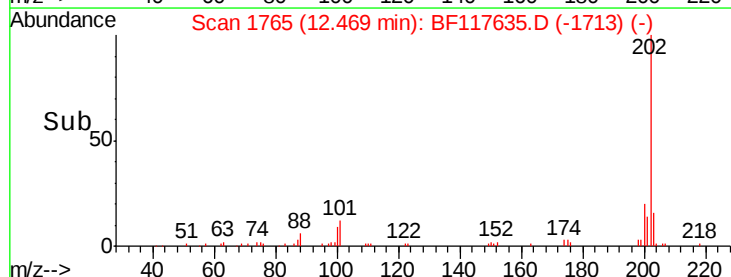
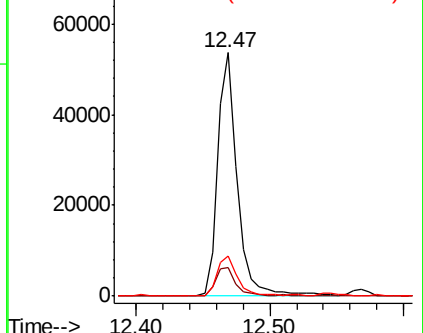
203 16.3 0.0 37.6

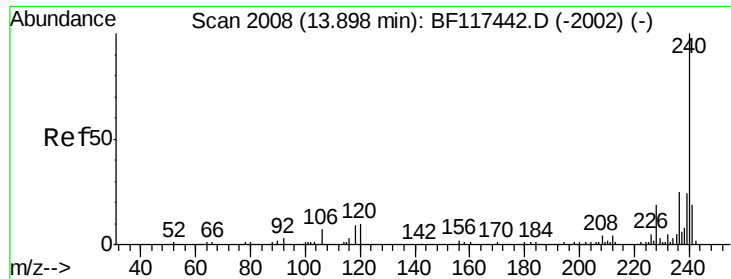


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





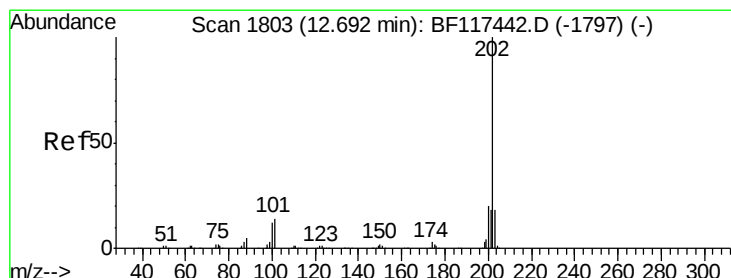
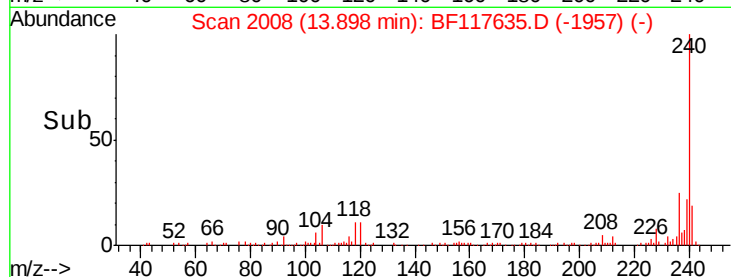
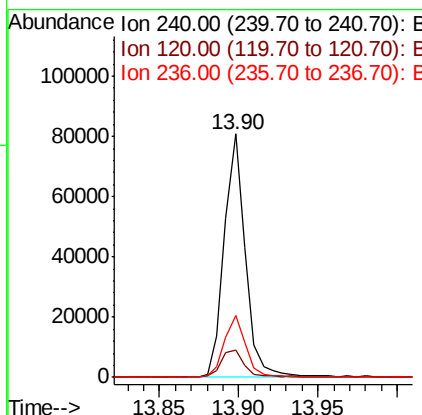
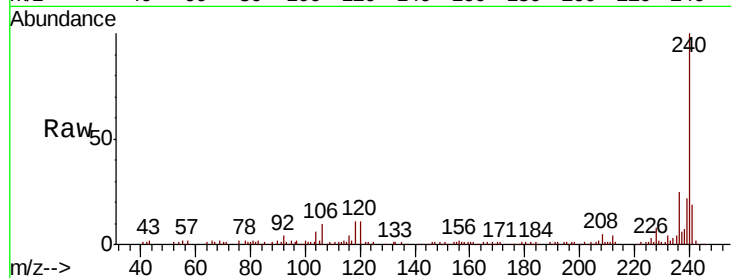
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF117635.D
Acq: 30 Oct 2019 19:59

Instrument :
BNA_F
ClientSampleId :
202-38-(0-1.5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.4	12.6
236	25.3	20.0	30.0

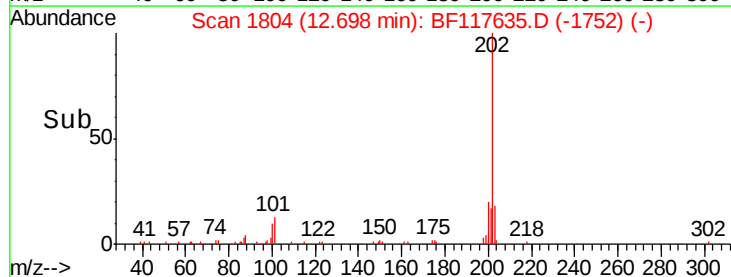
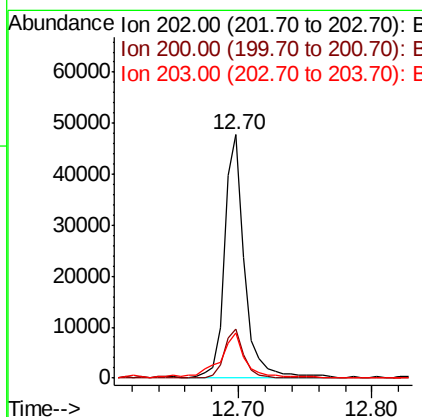
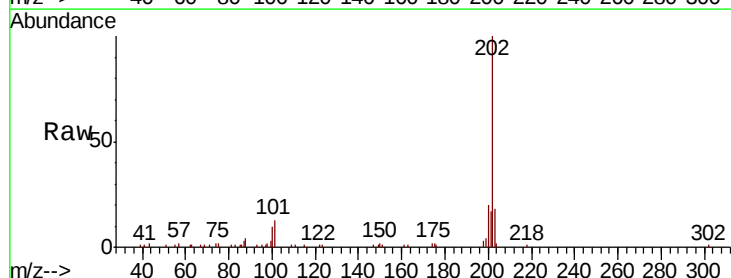
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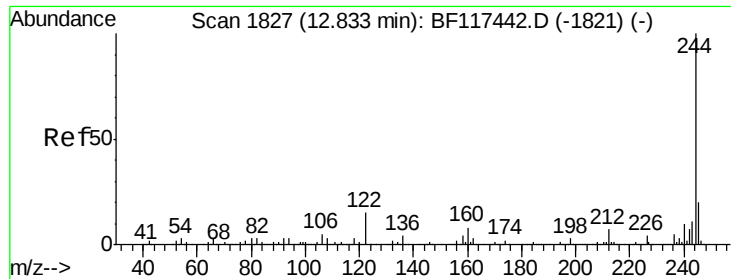
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#78
Pyrene
Concen: 7.823 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117635.D
Acq: 30 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.2	24.2
203	18.4	14.0	21.0





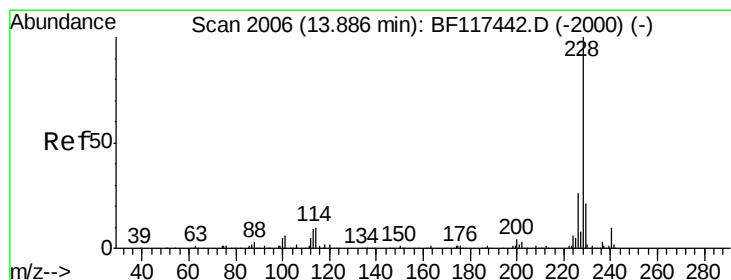
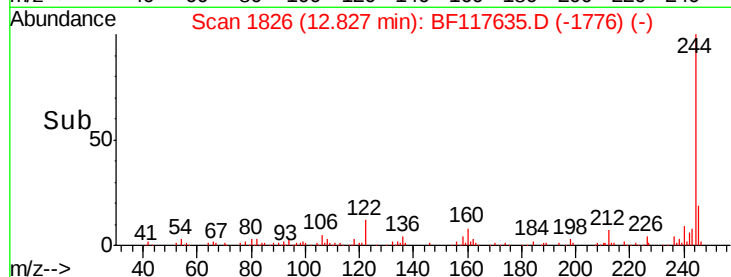
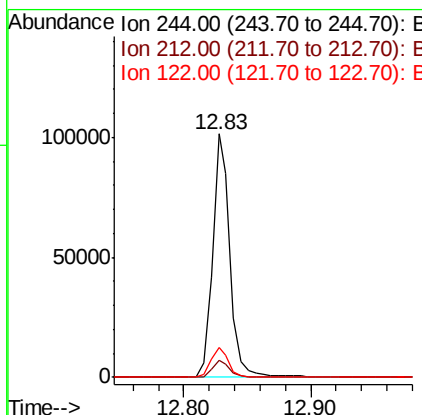
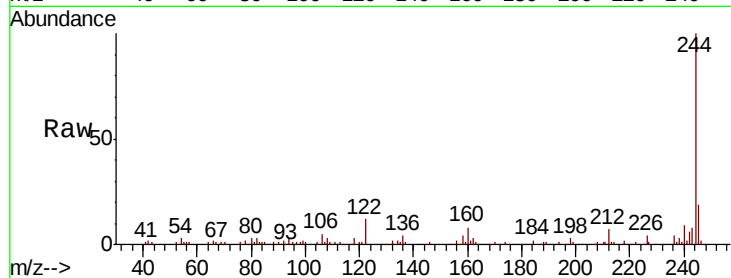
#79
 Terphenyl-d14
 Concen: 21.059 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117635.D
 Acq: 30 Oct 2019 19:59

Instrument :
 BNA_F
 ClientSampleId :
 202-38-(0-1.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	12.3	11.8	17.8

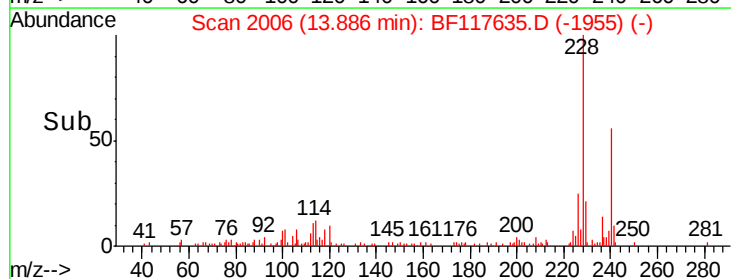
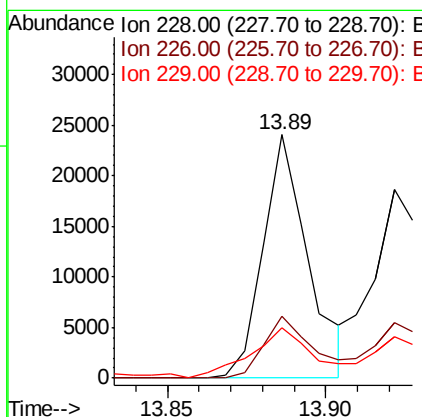
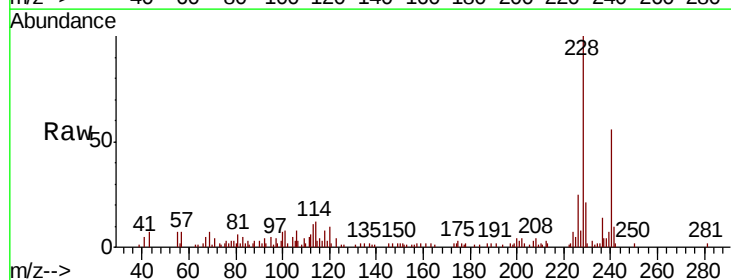
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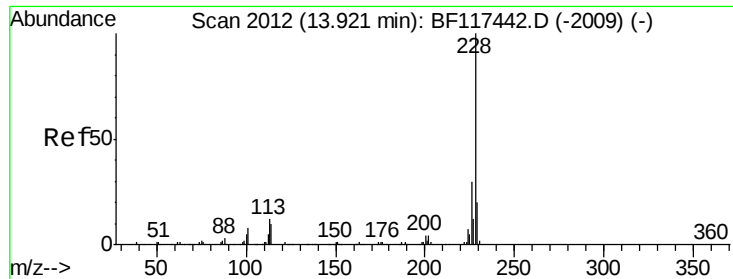
mohammad
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#81
 Benzo(a)anthracene
 Concen: 4.692 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: BF117635.D
 Acq: 30 Oct 2019 19:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.4	21.0	31.4
229	20.7	16.4	24.6





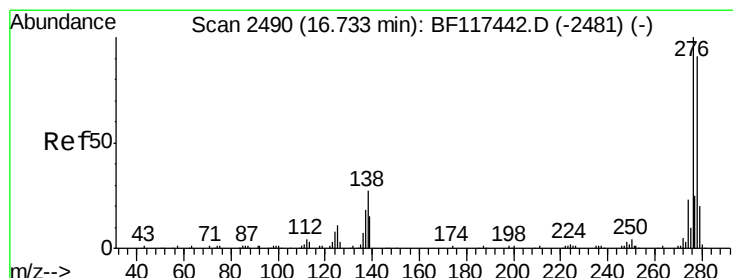
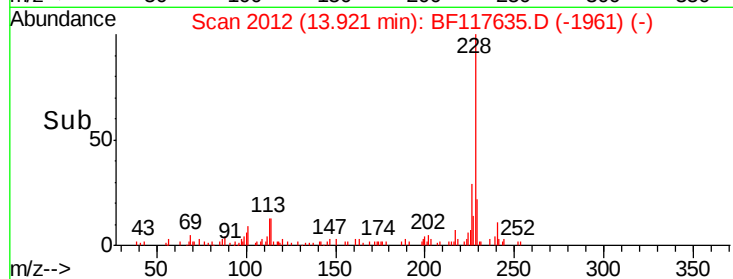
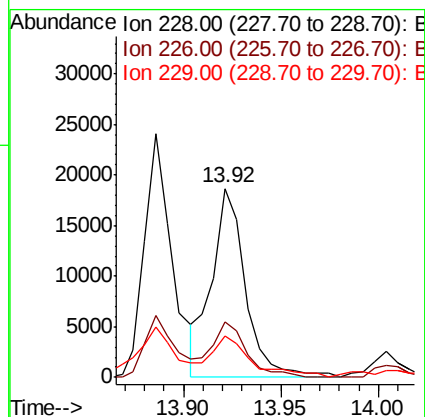
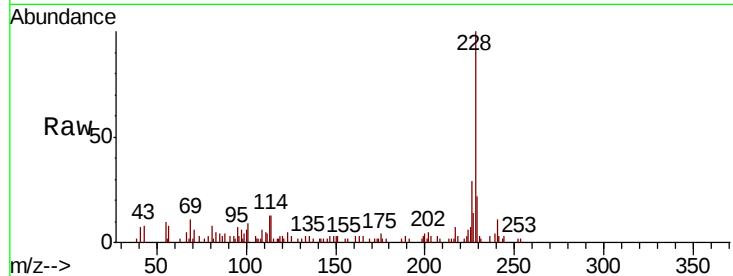
#83
Chrysene
Concen: 4.530 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117635.D
Acq: 30 Oct 2019 19:59

Instrument :
BNA_F
ClientSampleId :
202-38-(0-1.5)

Tot Ion:	228	Resp:	22488
Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.9	35.9
229	22.1	15.8	23.6

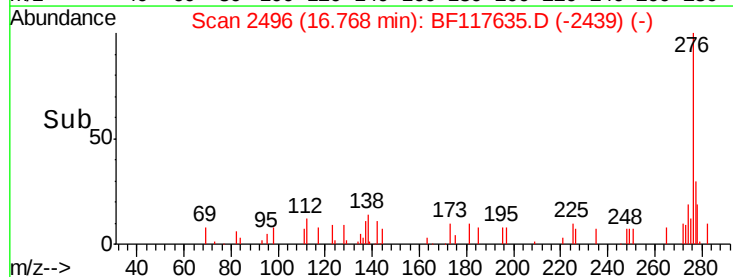
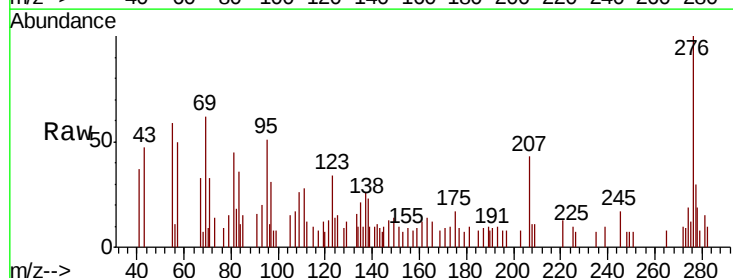
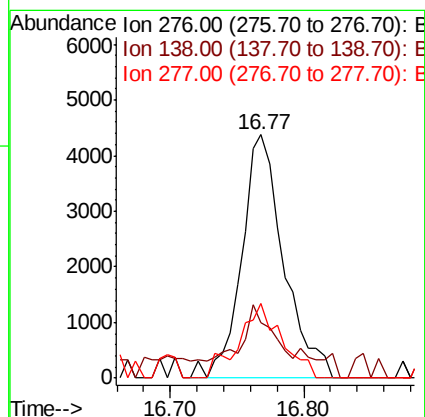
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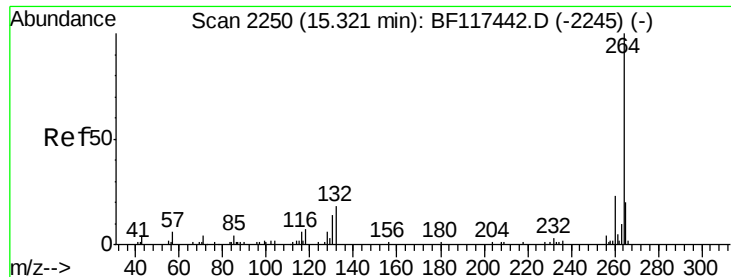
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.570 ng
RT: 16.77 min Scan# 2496
Delta R.T. 0.04 min
Lab File: BF117635.D
Acq: 30 Oct 2019 19:59

Tgt Ion:	276	Resp:	9525
Ion	Ratio	Lower	Upper
276	100		
138	14.8	21.8	32.8#
277	31.6	20.0	30.0#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.02 min

Lab File: BF117635.D

Acq: 30 Oct 2019 19:59

Instrument :

BNA_F

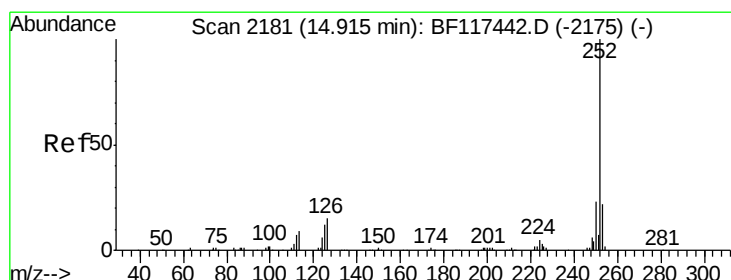
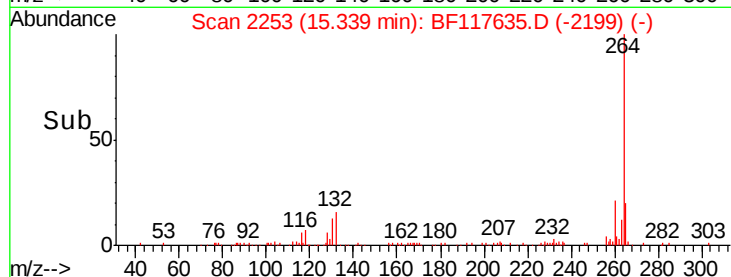
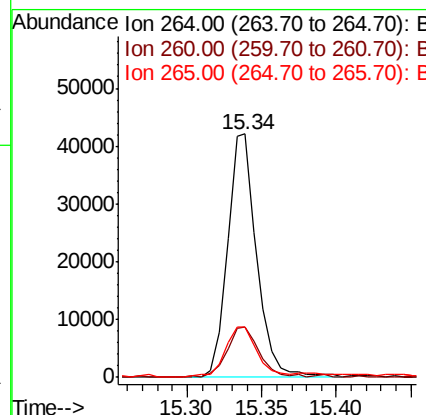
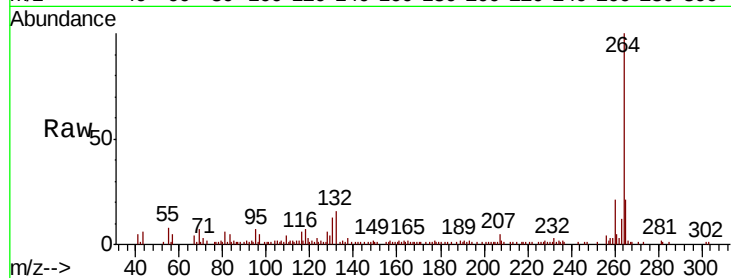
ClientSampleId :

202-38-(0-1.5)

Tot Ion:	264	Resp:	57857
Ion Ratio	Lower	Upper	
264	100		
260	20.6	18.4	27.6
265	20.6	16.1	24.1

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#88

Benzo(b)fluoranthene

Concen: 5.957 ng m

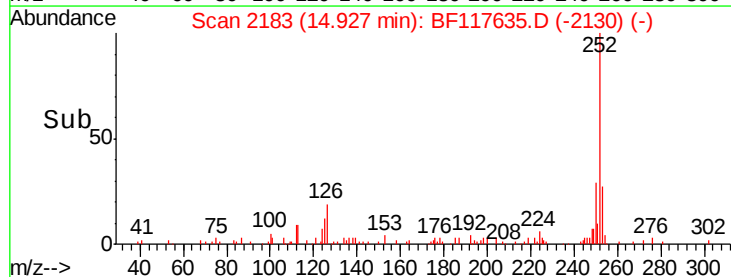
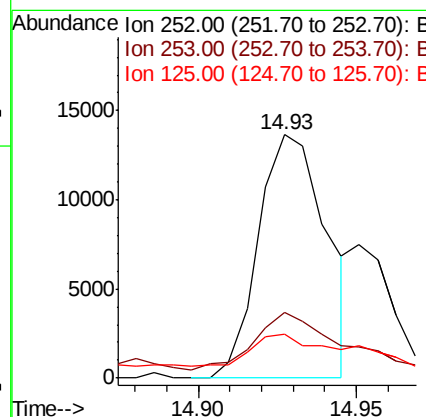
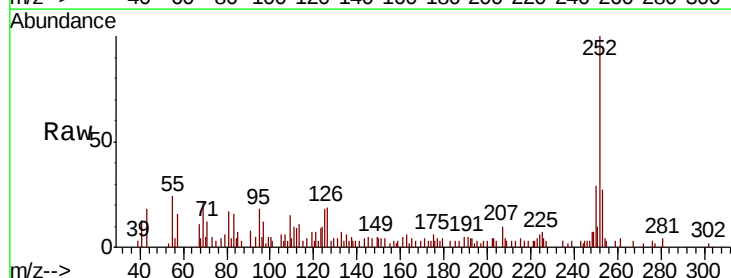
RT: 14.93 min Scan# 2183

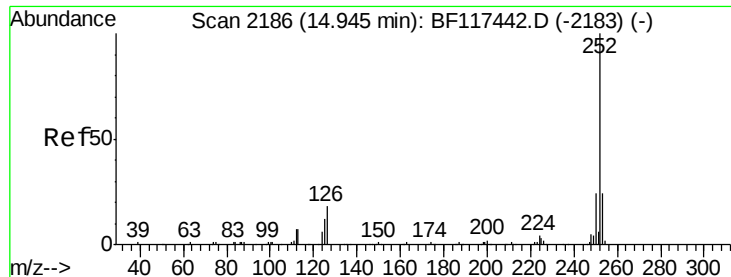
Delta R.T. 0.01 min

Lab File: BF117635.D

Acq: 30 Oct 2019 19:59

Tgt Ion:	252	Resp:	20351
Ion Ratio	Lower	Upper	
252	100		
253	27.1	17.8	26.6#
125	18.0	9.9	14.9#





#89

Benzo(k)fluoranthene

Concen: 2.176 ng/mL

RT: 14.95 min Scan# 2187

Delta R.T. 0.01 min

Lab File: BF117635.D

Acq: 30 Oct 2019 19:59

Instrument :

BNA_F

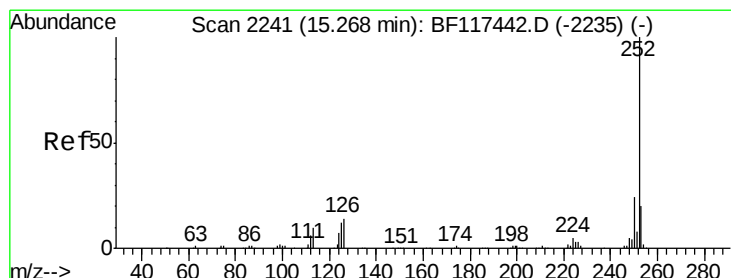
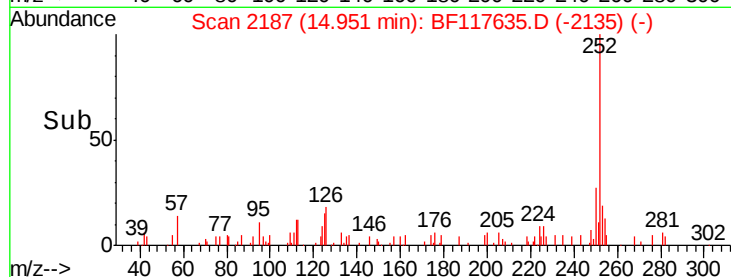
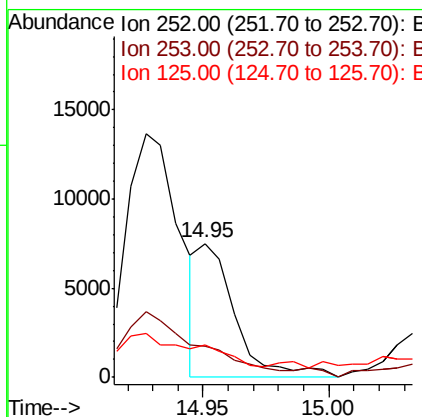
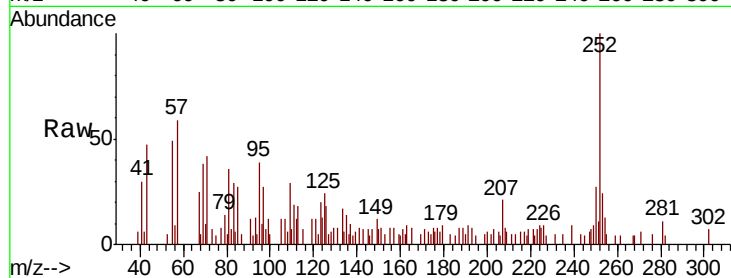
ClientSampleId :

202-38-(0-1.5)

Tot Ion:	252	Resp:	7619
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.0	27.0
125	23.9	8.9	13.3

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#90

Benzo(a)pyrene

Concen: 4.492 ng/mL

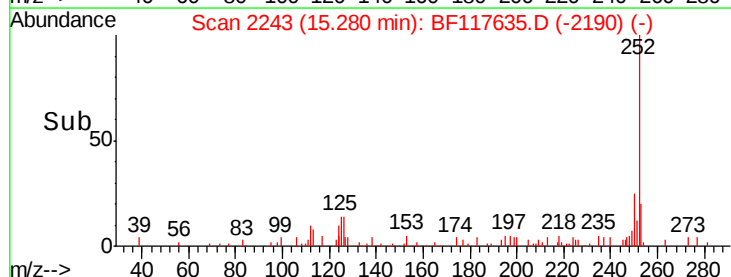
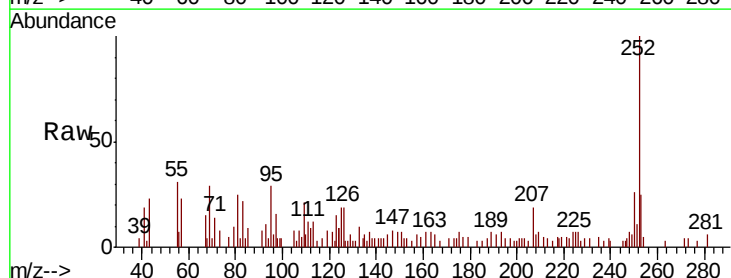
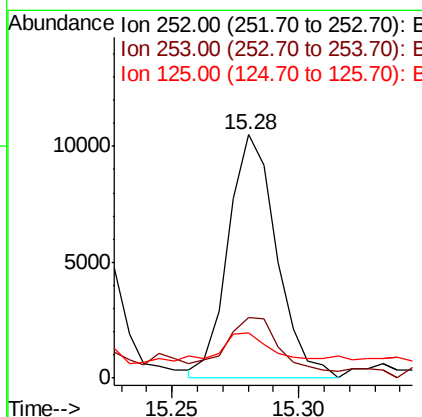
RT: 15.28 min Scan# 2243

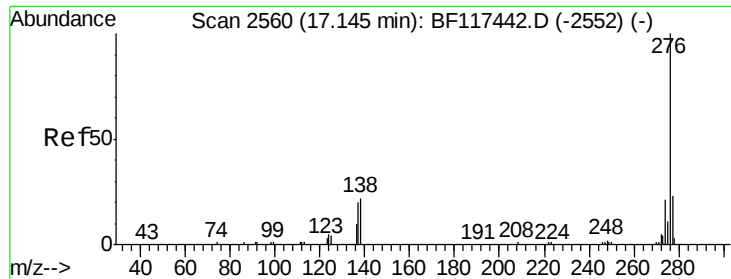
Delta R.T. 0.01 min

Lab File: BF117635.D

Acq: 30 Oct 2019 19:59

Tgt Ion:	252	Resp:	13954
Ion Ratio	Lower	Upper	
252	100		
253	25.1	16.3	24.5
125	18.6	9.2	13.8





#92

Benzo(a,h,i)perylene

Concen: 3.624 ng

RT: 17.20 min Scan# 2570

Delta R.T. 0.06 min

Lab File: BF117635.D

Acq: 30 Oct 2019 19:59

Instrument :

BNA_F

ClientSampleId :

202-38-(0-1.5)

Tot Ion: 276 Resp: 9209

Ion Ratio Lower Upper

276 100

277 24.0 18.4 27.6

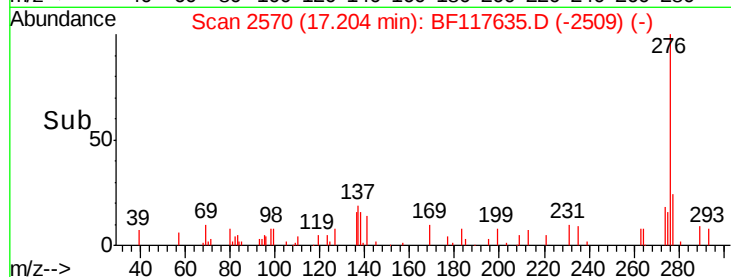
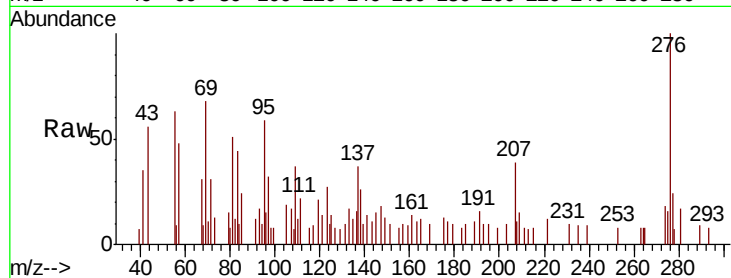
138 26.2 17.8 26.6

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

