

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117611.D
 Acq On : 30 Oct 2019 1:13
 Operator : JU
 Sample : K5576-18 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-2-1-7

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Quant Time: Oct 30 07:01:59 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	36763	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	148234	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	67344	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	99680	20.00	ng	0.00
76) Chrysene-d12	13.90	240	66406	20.00	ng	0.00
87) Perylene-d12	15.33	264	54481	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	34544	13.98	ng	0.02
7) Phenol-d6	6.40	99	52117	15.70	ng	0.02
23) Nitrobenzene-d5	7.30	82	28714	9.56	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	7971	13.68	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	55359	11.58	ng	0.00
79) Terphenyl-d14	12.83	244	49526	12.16	ng	0.00
Target Compounds						
49) Acenaphthylene	9.62	152	41853	6.778	ng	97
71) Phenanthrene	11.27	178	46197	7.981	ng	97
72) Anthracene	11.33	178	34345	5.783	ng	98
75) Fluoranthene	12.46	202	158580	27.368	ng	100
78) Pyrene	12.69	202	143698	25.193	ng	99
81) Benzo(a)anthracene	13.89	228	80825	18.044	ng	97
83) Chrysene	13.92	228	67014	15.265	ng	98
84) Bis(2-ethylhexyl)phthalate	13.86	149	16060	4.039	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.75	276	33069	10.089	ng	99
88) Benzo(b)fluoranthene	14.92	252	85959m	26.719	ng	
89) Benzo(k)fluoranthene	14.94	252	28132m	8.532	ng	
90) Benzo(a)pyrene	15.27	252	47166	16.125	ng	95
91) Dibenzo(a,h)anthracene	16.74	278	7332	2.899	ng	# 79
92) Benzo(a,h,i)perylene	17.18	276	28106	11.745	ng	97

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

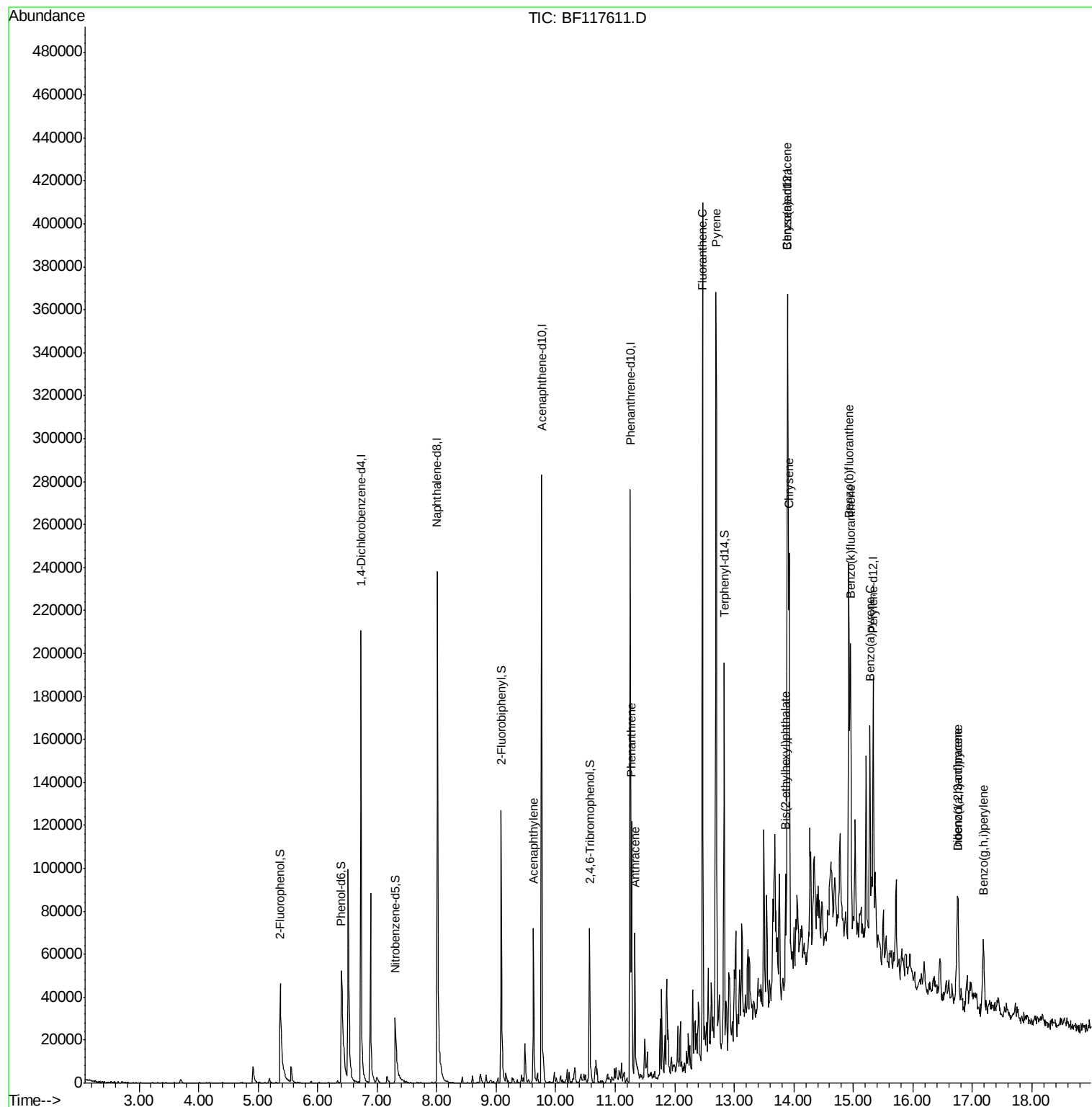
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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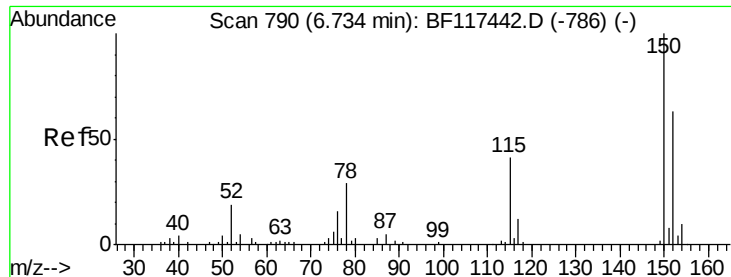
Instrument :
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Quant Time: Oct 30 07:01:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

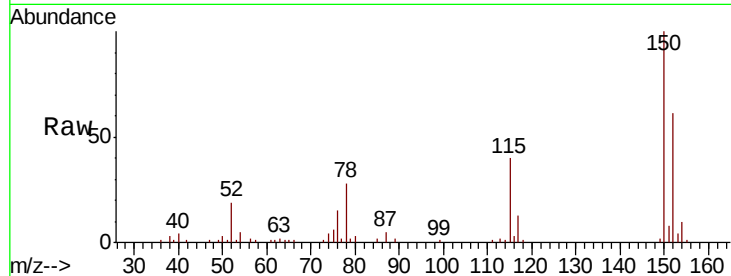
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	164.0	126.8	190.2
115	65.1	51.6	77.4

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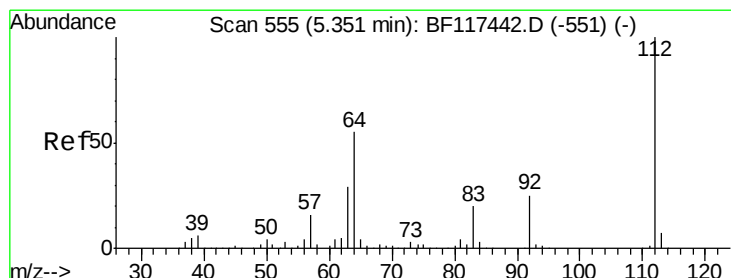
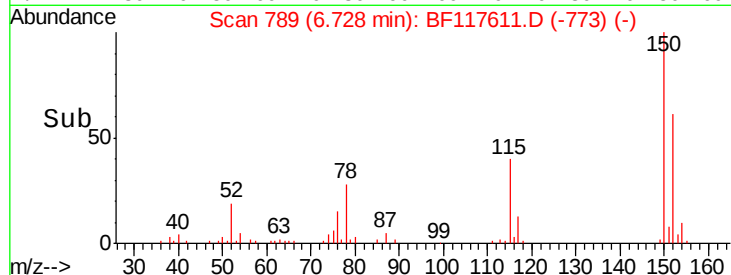
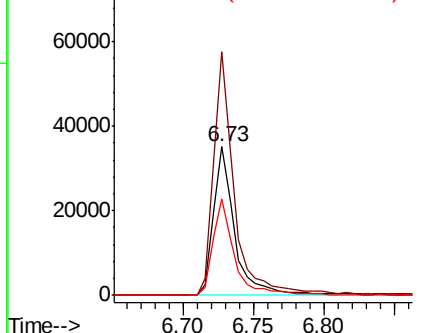


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

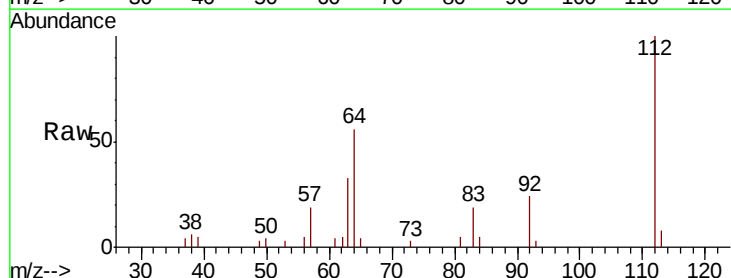
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 13.979 ng
RT: 5.37 min Scan# 558
Delta R.T. 0.02 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	44.1	66.1
63	32.7	23.4	35.2

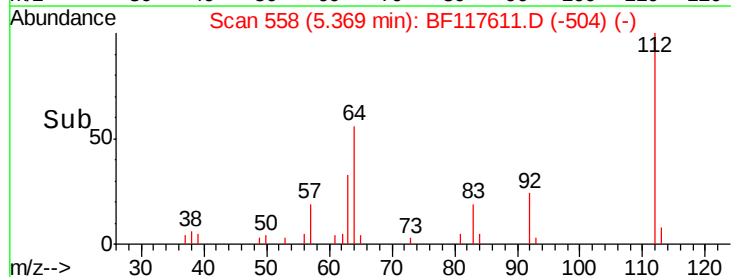
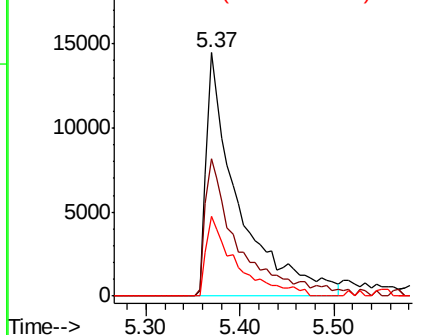


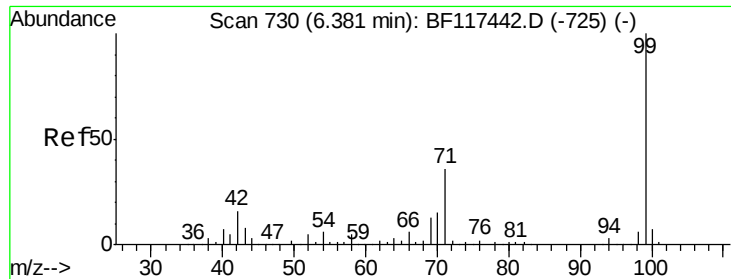
Abundance

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: 15.703 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.02 min

Lab File: BF117611.D

Acq: 30 Oct 2019 1:13

Instrument :

BNA_F

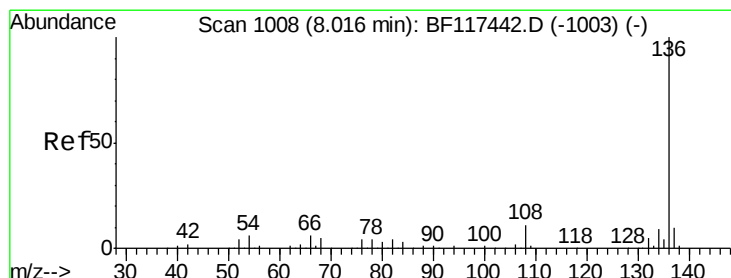
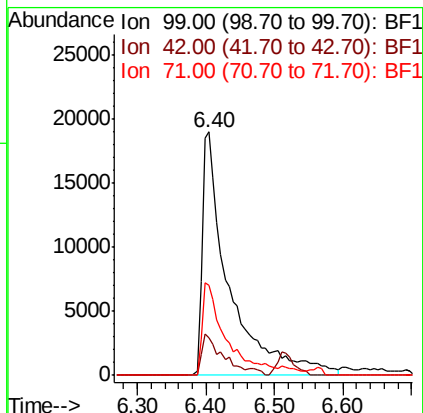
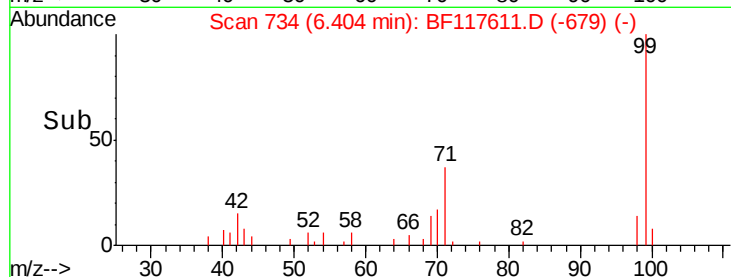
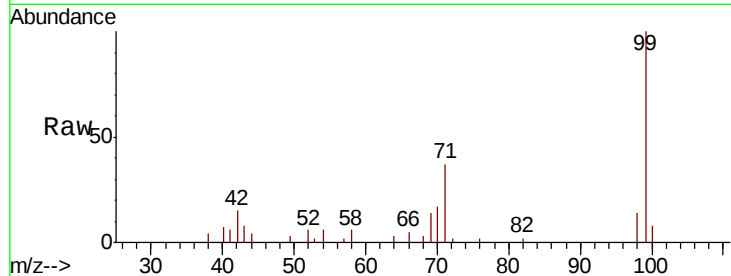
ClientSampleId :

CSA-2-1-7

Tot Ion:	99	Resp:	52117
Ion Ratio	Lower	Upper	
99	100		
42	15.4	12.8	19.2
71	36.8	28.6	43.0

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#21

Naphthalene-d8

Concen: 20.000 ng

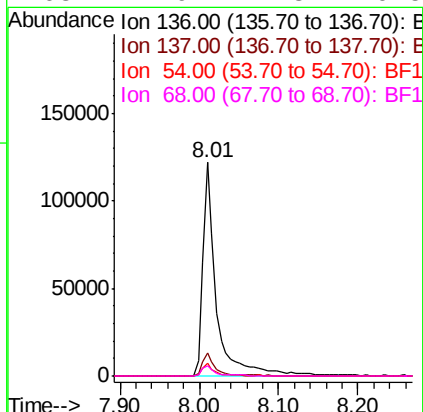
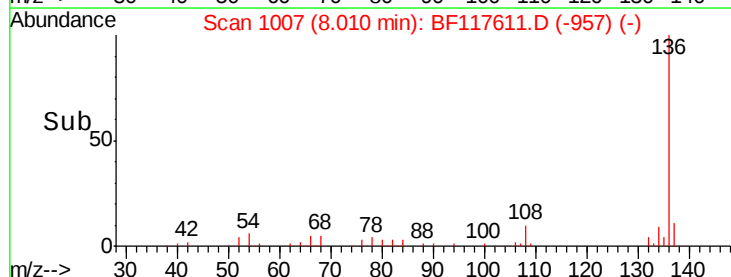
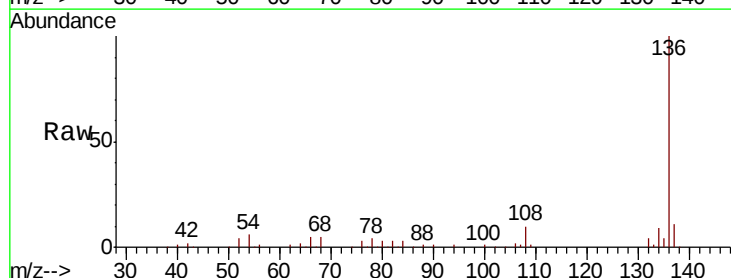
RT: 8.01 min Scan# 1007

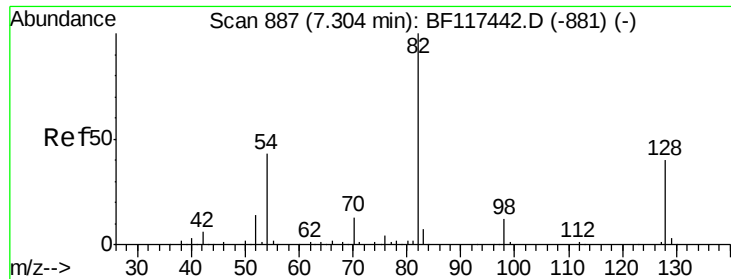
Delta R.T. -0.01 min

Lab File: BF117611.D

Acq: 30 Oct 2019 1:13

Tgt Ion:	136	Resp:	148234
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.2	12.4
54	5.8	4.5	6.7
68	4.9	4.3	6.5





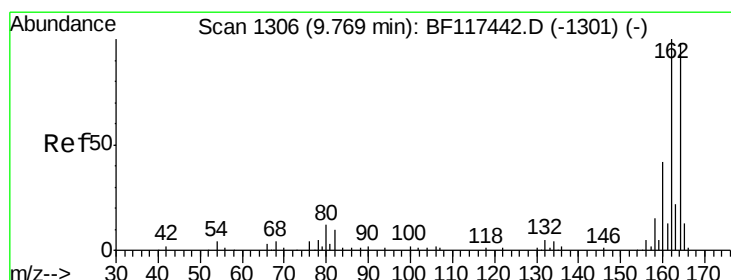
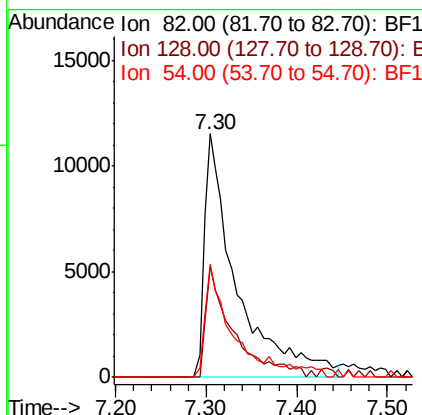
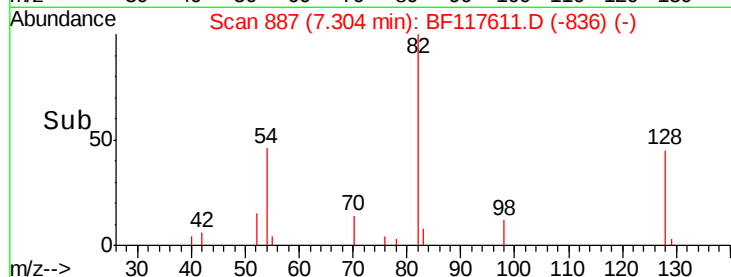
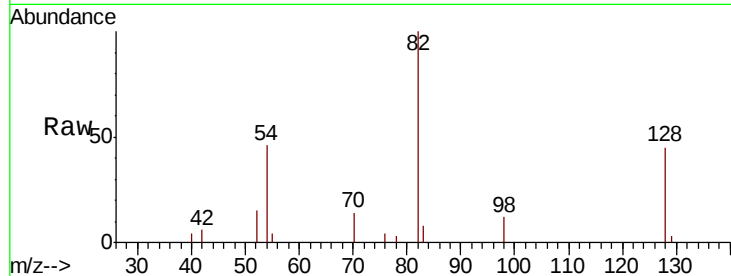
#23
 Nitrobenzene-d5
 Concen: 9.563 ng
 RT: 7.30 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: BF117611.D
 Acq: 30 Oct 2019 1:13

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	82	Resp	28714
Ion Ratio	100	Lower	Upper
128	45.2	32.2	48.2
54	46.4	34.2	51.2

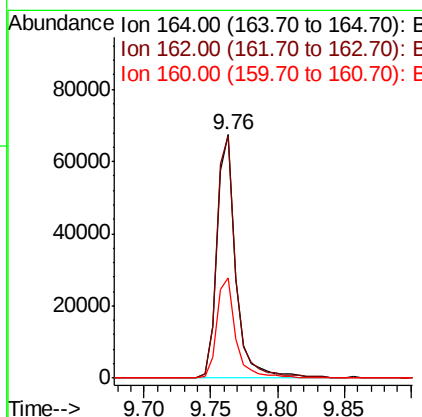
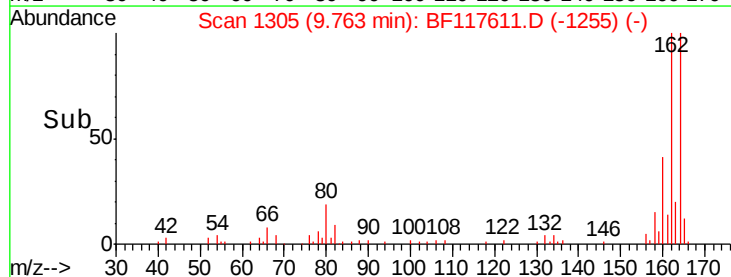
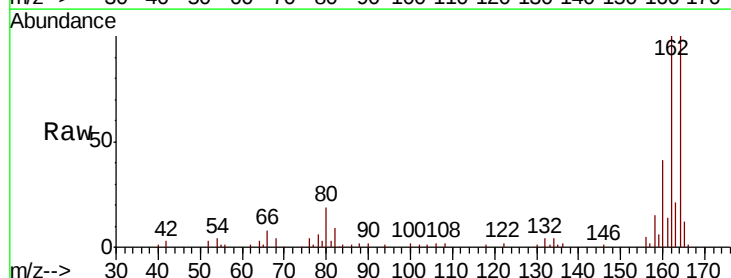
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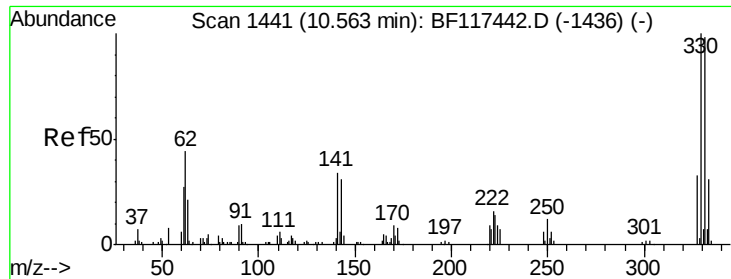
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117611.D
 Acq: 30 Oct 2019 1:13

Tgt Ion	164	Resp	67344
Ion Ratio	100	Lower	Upper
162	99.6	81.8	122.6
160	41.1	34.4	51.6





#42

2,4,6-Tribromophenol

Concen: 13.679 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BF117611.D

Acq: 30 Oct 2019 1:13

Instrument :

BNA_F

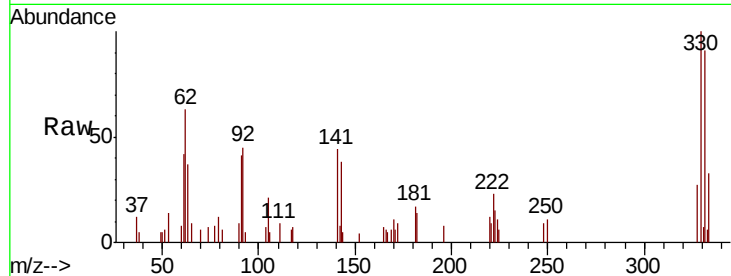
ClientSampleId :

CSA-2-1-7

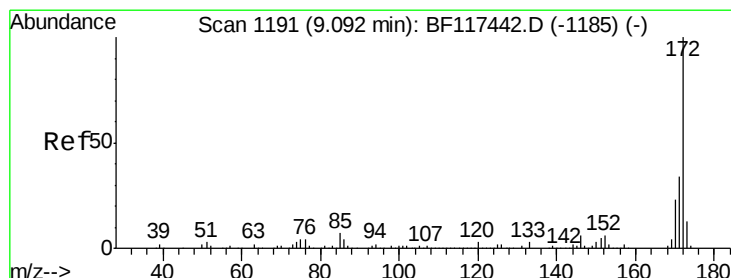
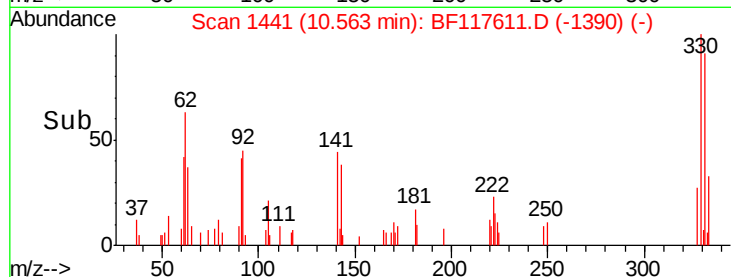
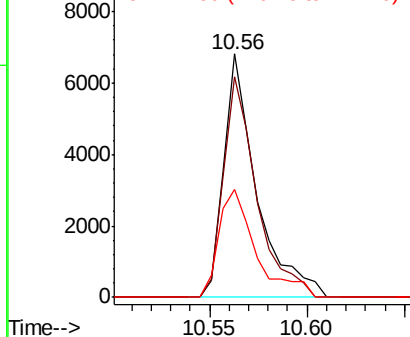
Tot Ion:	330	Resp:	7971
Ion Ratio	Lower	Upper	
330	100		
332	91.4	78.5	117.7
141	49.7	37.0	55.6

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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: 11.582 ng

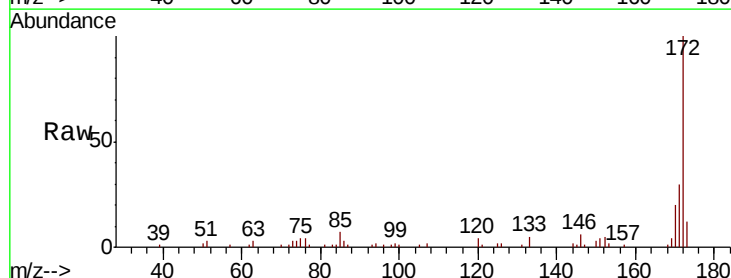
RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

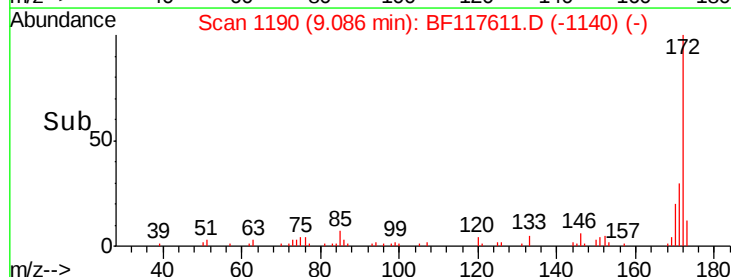
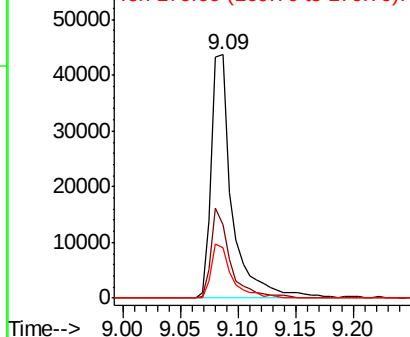
Lab File: BF117611.D

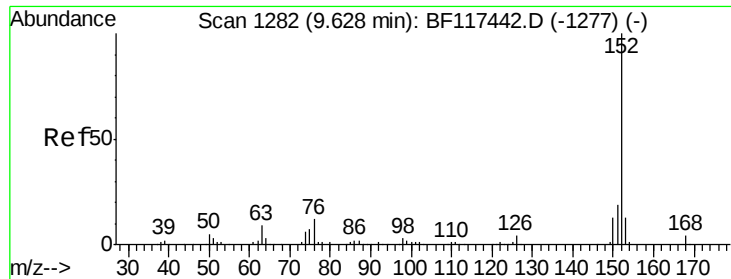
Acq: 30 Oct 2019 1:13

Tgt Ion:	172	Resp:	55359
Ion Ratio	Lower	Upper	
172	100		
171	30.4	27.5	41.3
170	20.5	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





#49

Acenaphthylene

Concen: 6.778 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF117611.D

Acq: 30 Oct 2019 1:13

Instrument :

BNA_F

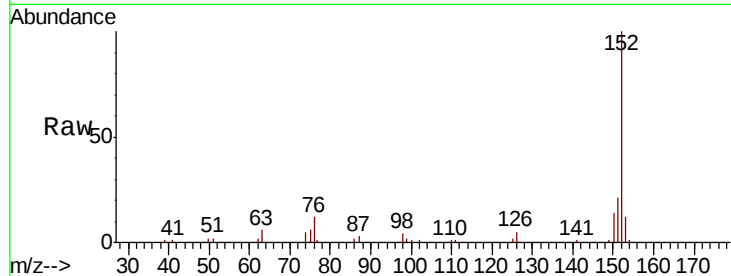
ClientSampleId :

CSA-2-1-7

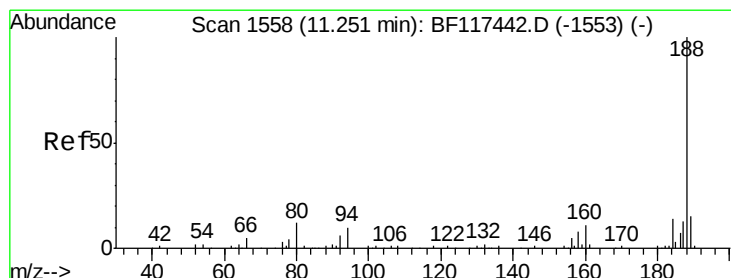
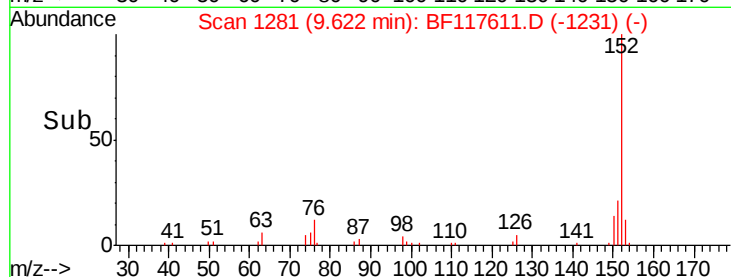
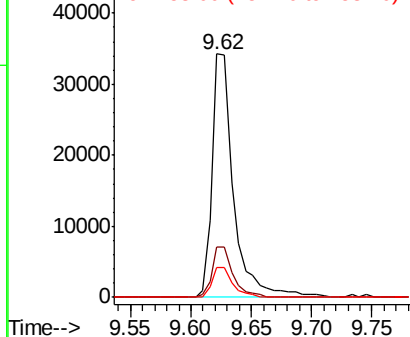
Tot Ion:	152	Resp:	41853
Ion Ratio	Lower	Upper	
152	100		
151	20.8	15.4	23.0
153	12.3	10.3	15.5

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

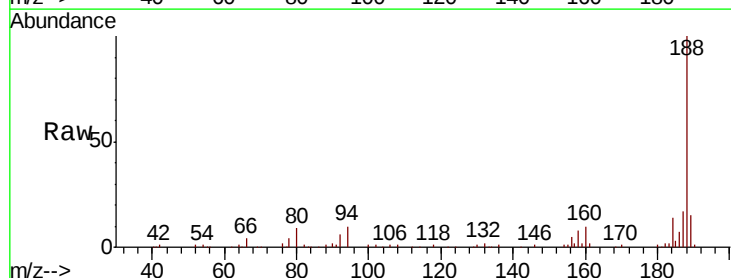
RT: 11.25 min Scan# 1558

Delta R.T. 0.00 min

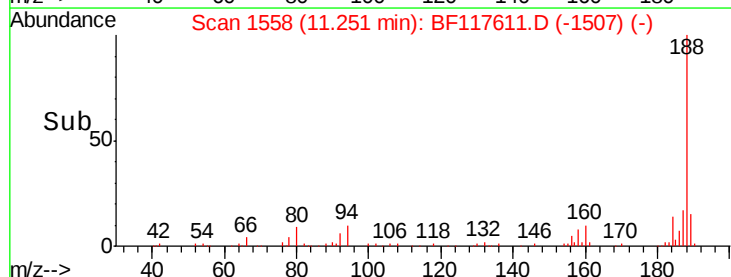
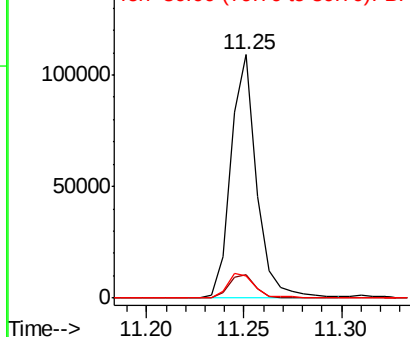
Lab File: BF117611.D

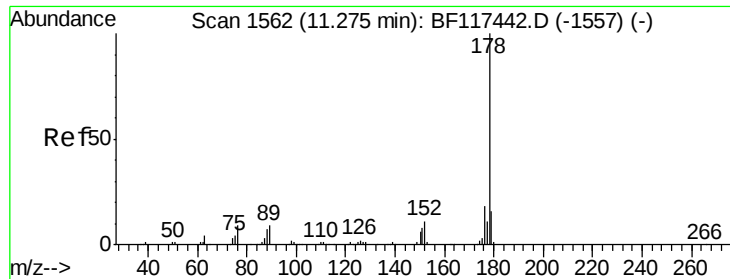
Acq: 30 Oct 2019 1:13

Tgt Ion:	188	Resp:	99680
Ion Ratio	Lower	Upper	
188	100		
94	9.6	8.0	12.0
80	9.3	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





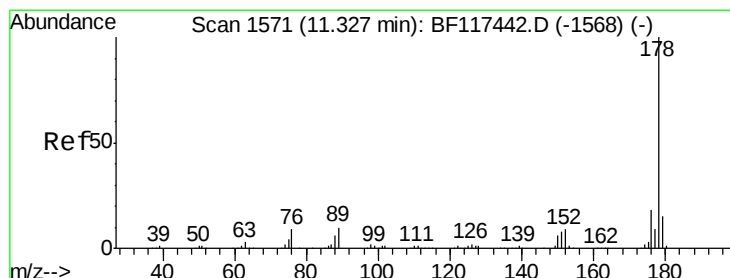
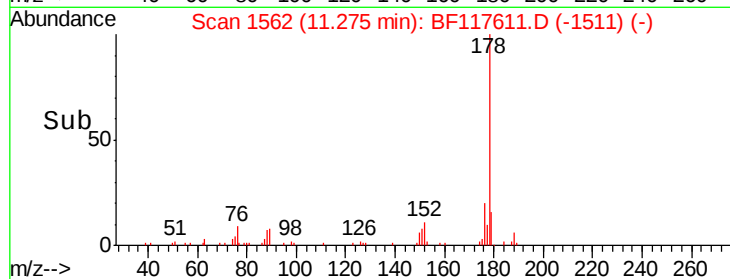
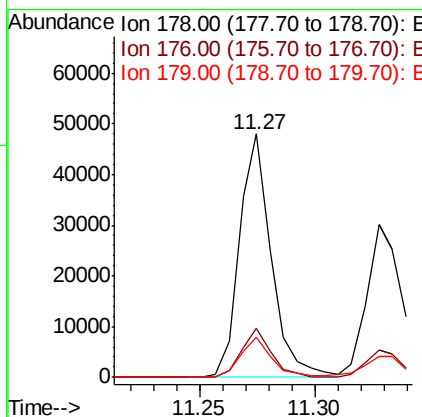
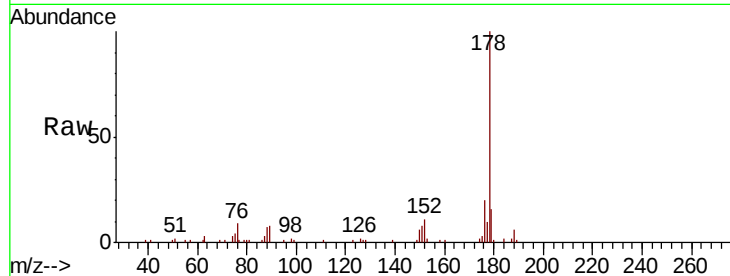
#71
Phenanthrene
Concen: 7.981 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-7

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	14.6	22.0
179	16.4	12.6	19.0

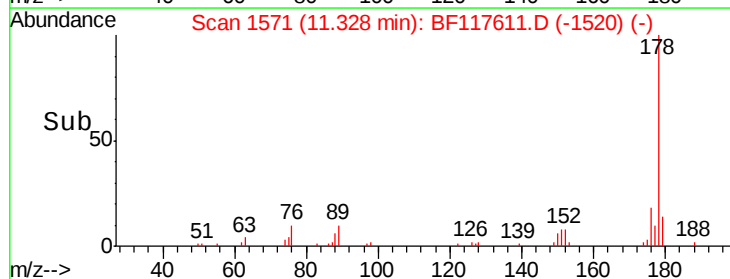
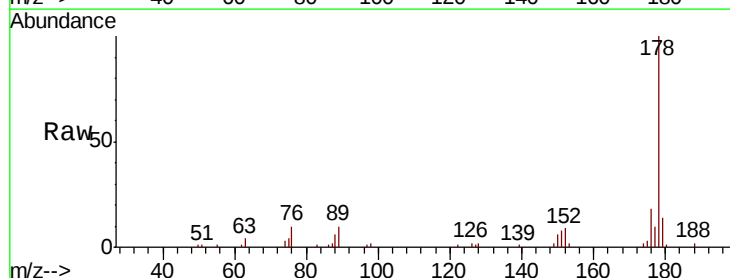
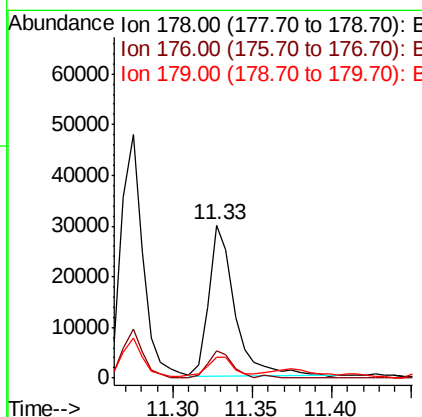
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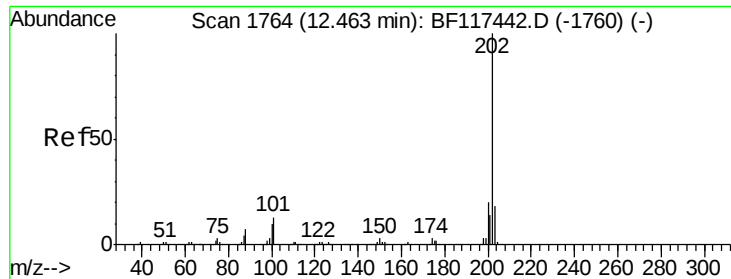
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#72
Anthracene
Concen: 5.783 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.7	22.1
179	14.0	12.2	18.2





#75

Fluoranthene

Concen: 27.368 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117611.D

Acq: 30 Oct 2019 1:13

Instrument :

BNA_F

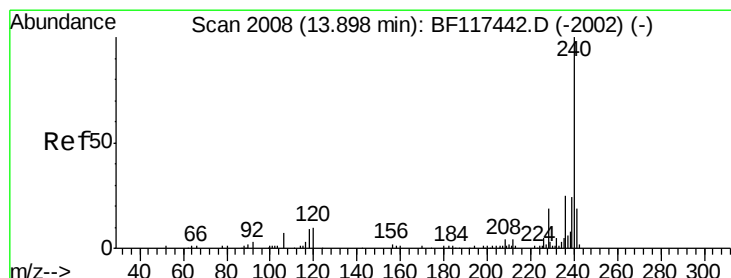
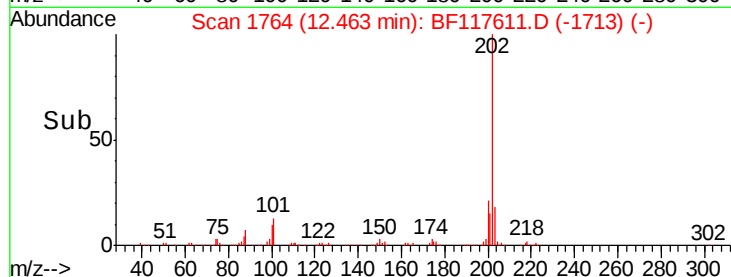
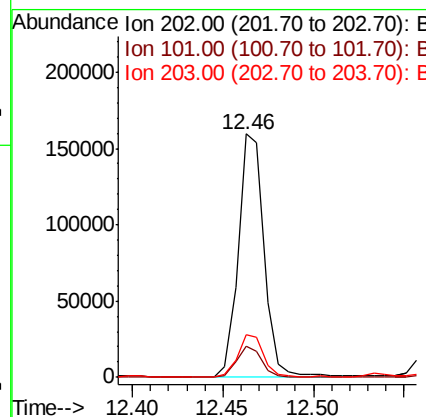
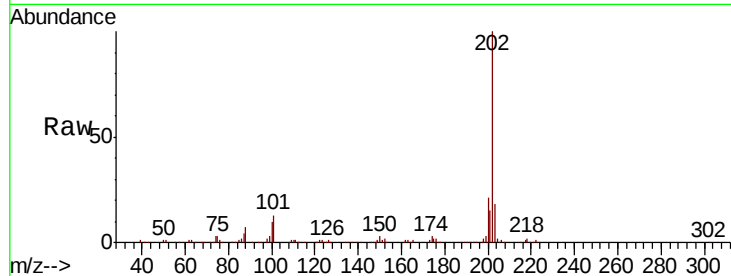
ClientSampleId :

CSA-2-1-7

Tot Ion:	202	Resp:	158580
Ion Ratio		Lower	Upper
202	100		
101	12.9	0.0	32.7
203	17.6	0.0	37.6

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

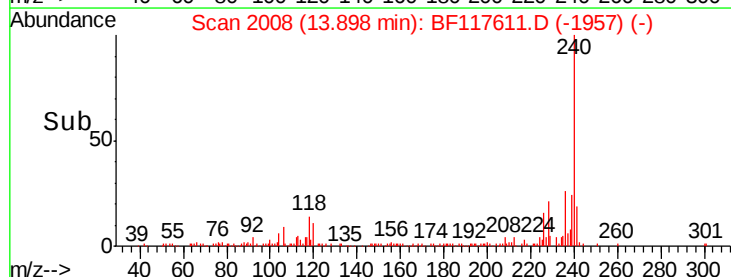
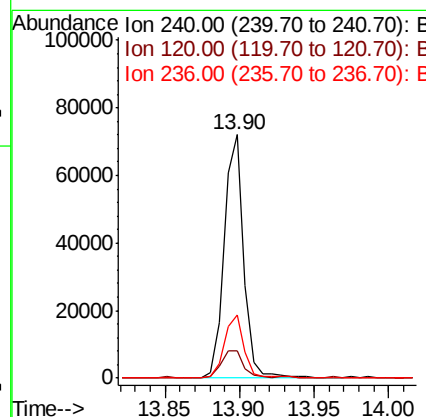
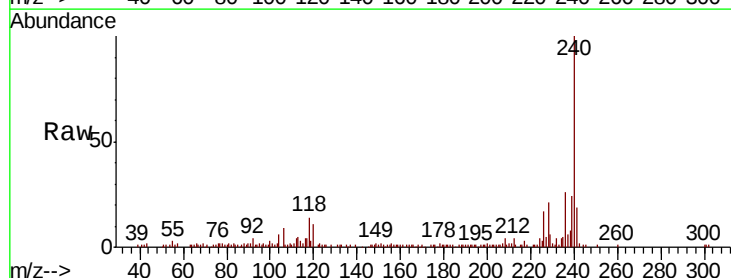
RT: 13.90 min Scan# 2008

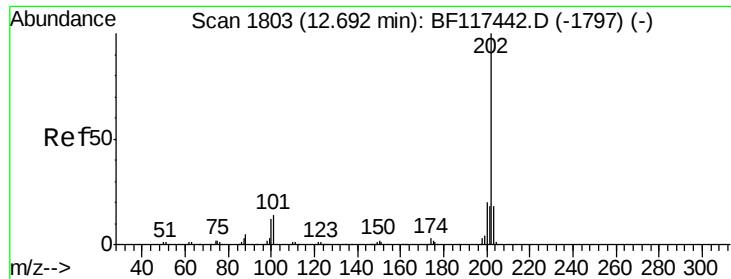
Delta R.T. 0.00 min

Lab File: BF117611.D

Acq: 30 Oct 2019 1:13

Tgt Ion:	240	Resp:	66406
Ion Ratio		Lower	Upper
240	100		
120	11.4	8.4	12.6
236	25.9	20.0	30.0





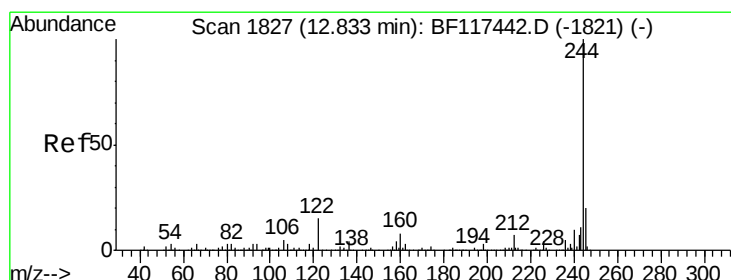
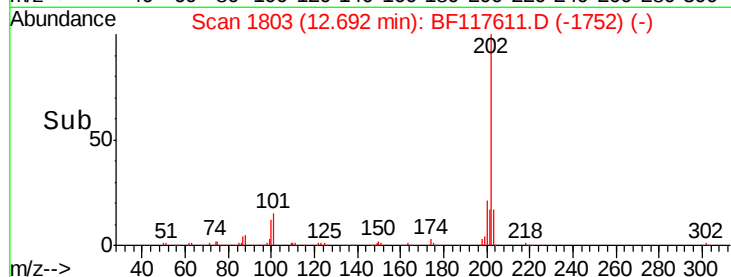
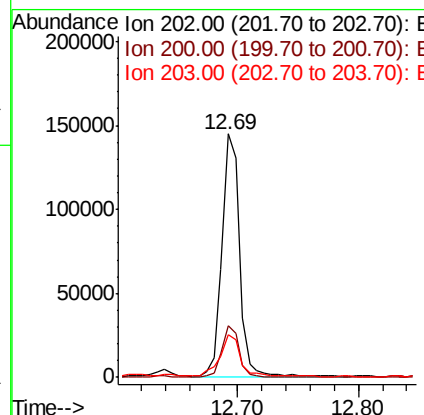
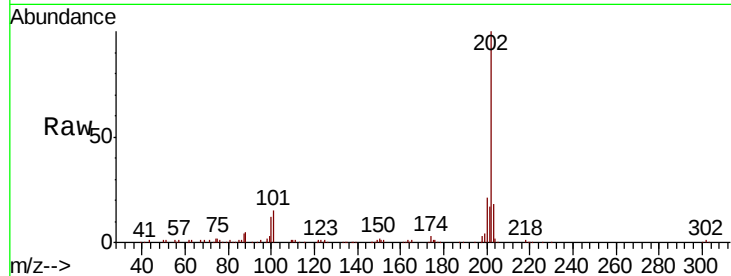
#78
Pvrene
Concen: 25.193 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-7

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	16.2	24.2
203	17.7	14.0	21.0

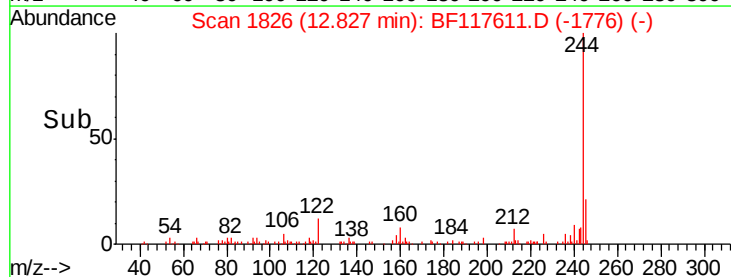
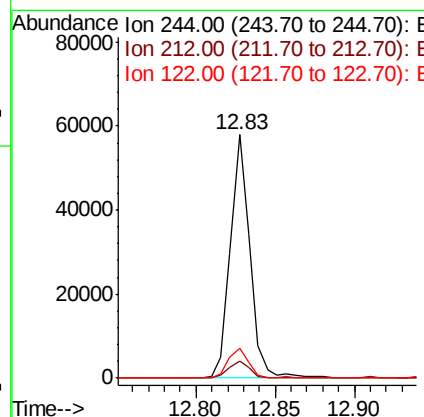
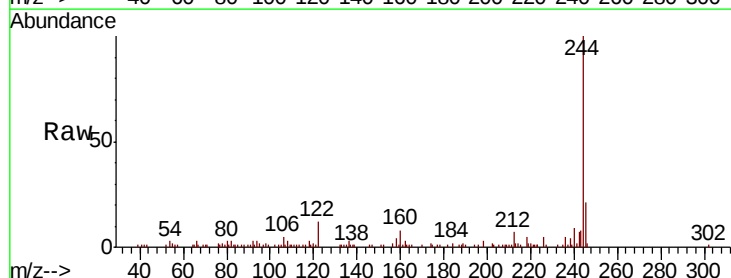
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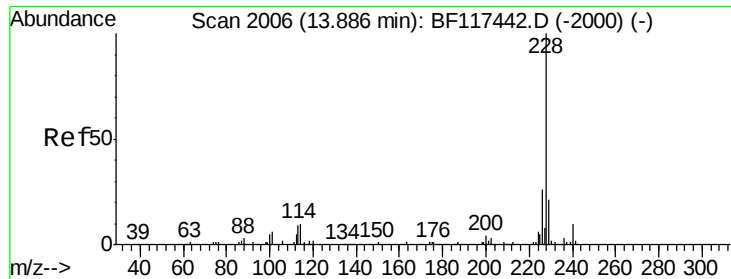
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#79
Terphenyl-d14
Concen: 12.165 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.8	8.6
122	12.2	11.8	17.8





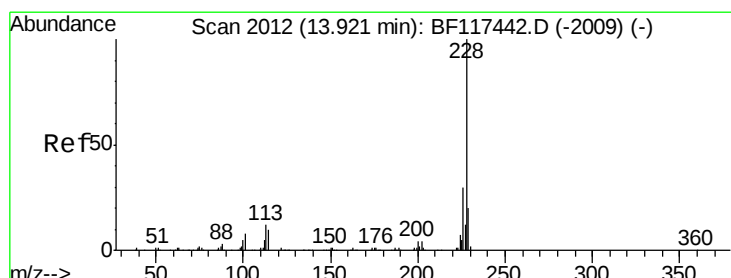
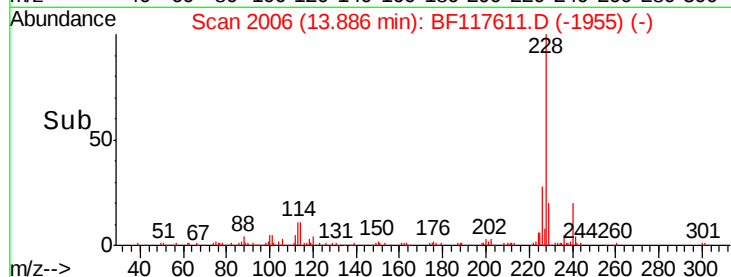
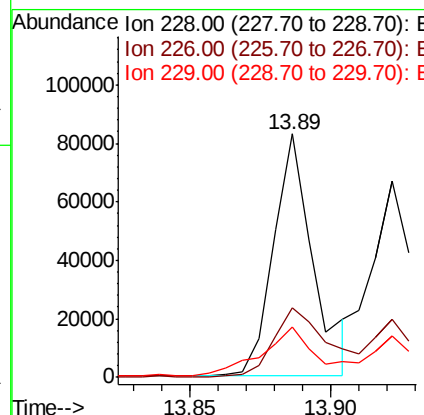
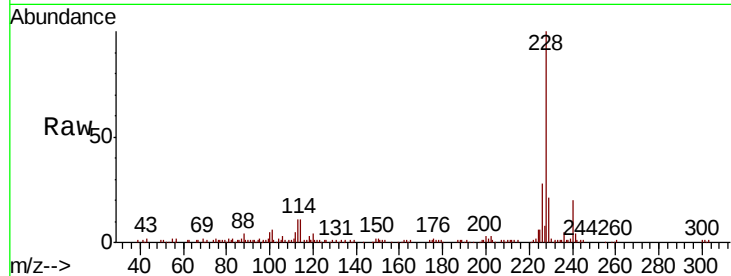
#81
Benzo(a)anthracene
Concen: 18.044 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.0	31.4
229	20.8	16.4	24.6

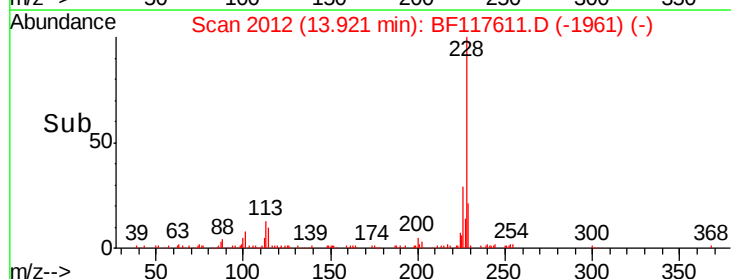
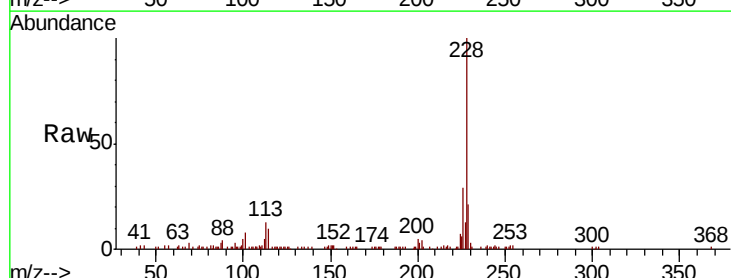
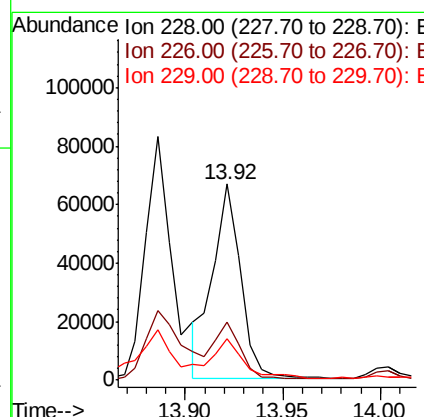
Manual Integrations
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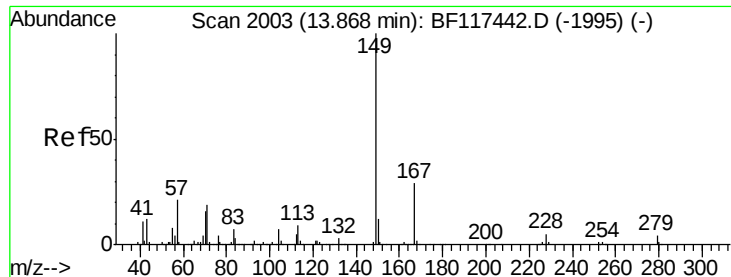
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#83
Chrysene
Concen: 15.265 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.9	35.9
229	21.2	15.8	23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.039 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF117611.D

Acq: 30 Oct 2019 1:13

Instrument :

BNA_F

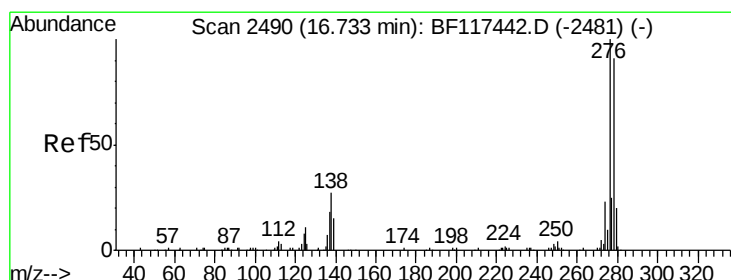
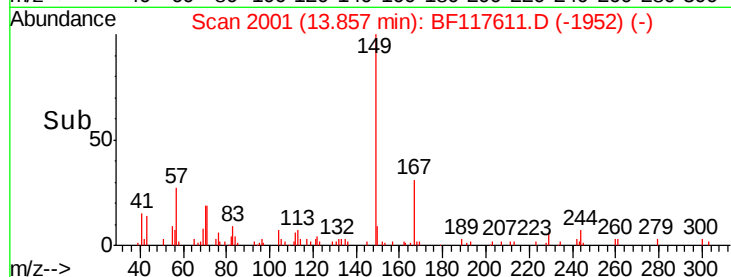
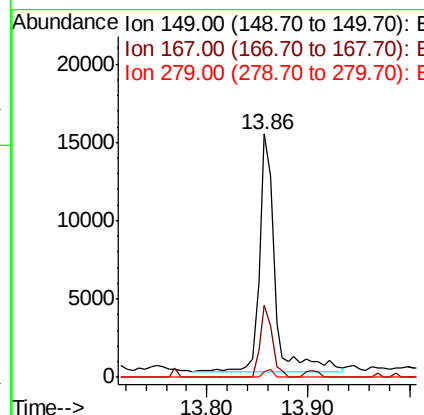
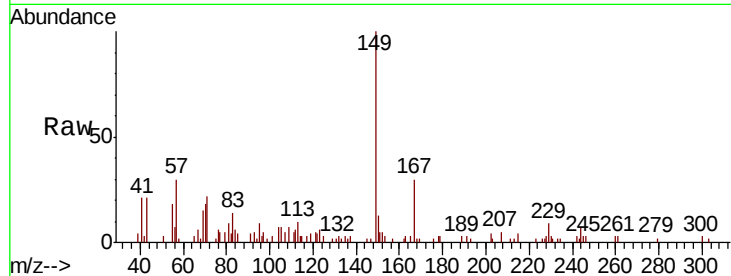
ClientSampleId :

CSA-2-1-7

Tot Ion:	149	Resp:	16060
Ion Ratio	Lower	Upper	
149	100		
167	29.8	23.3	34.9
279	2.5	3.2	4.8#

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 10.089 ng

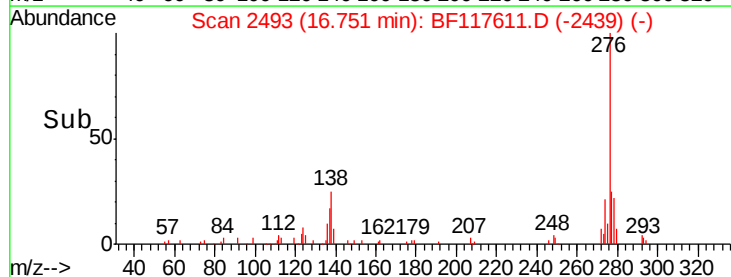
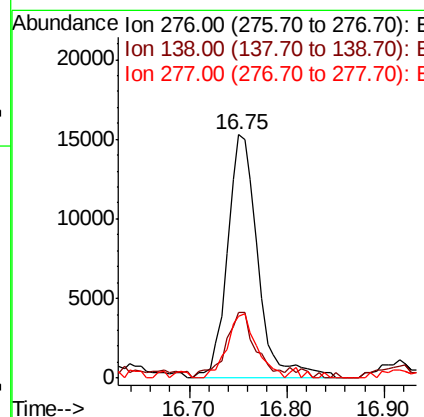
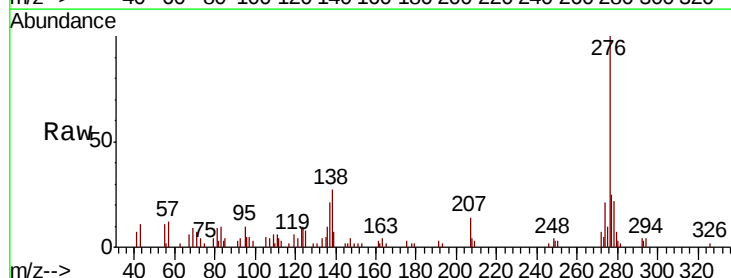
RT: 16.75 min Scan# 2493

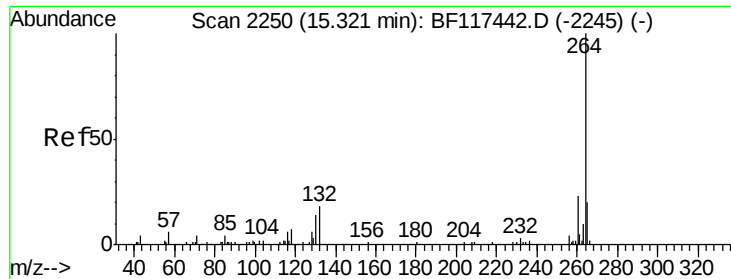
Delta R.T. 0.02 min

Lab File: BF117611.D

Acq: 30 Oct 2019 1:13

Tgt Ion:	276	Resp:	33069
Ion Ratio	Lower	Upper	
276	100		
138	26.6	21.8	32.8
277	25.1	20.0	30.0





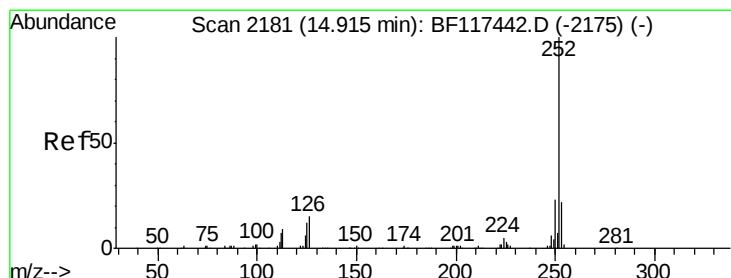
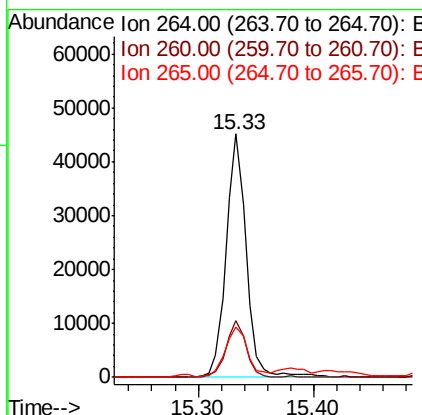
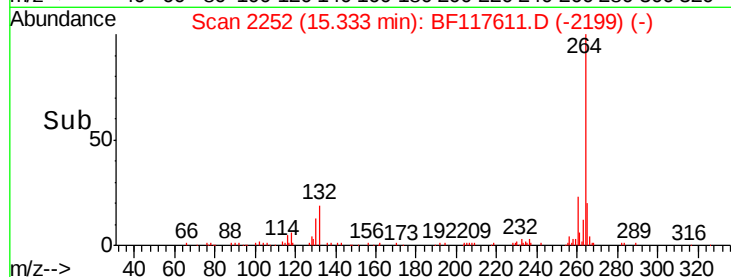
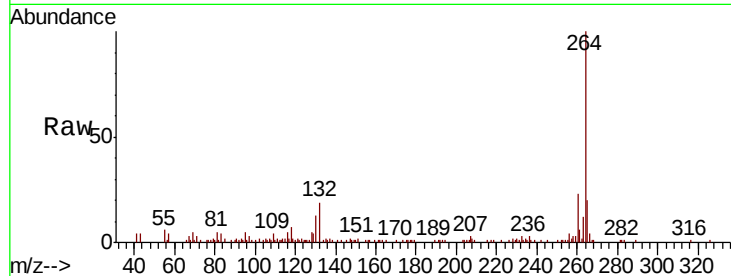
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-7

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	20.5	16.1	24.1

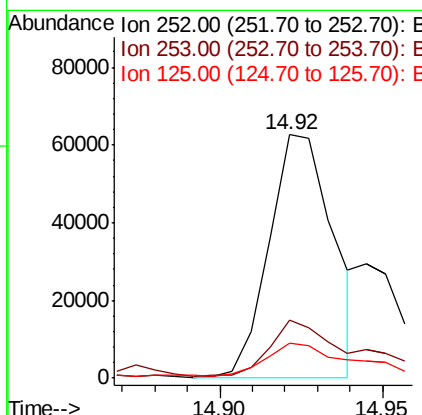
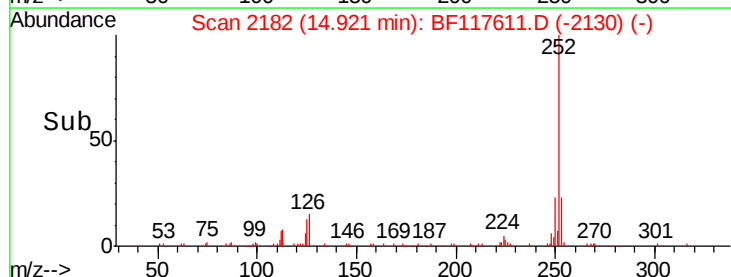
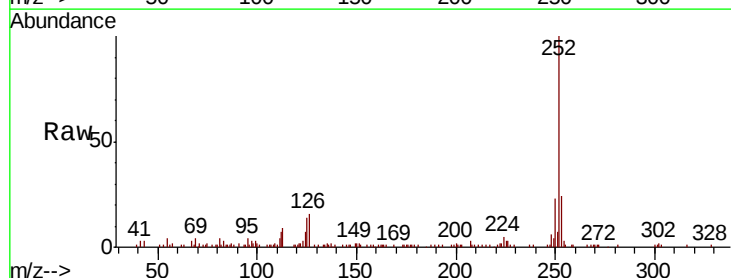
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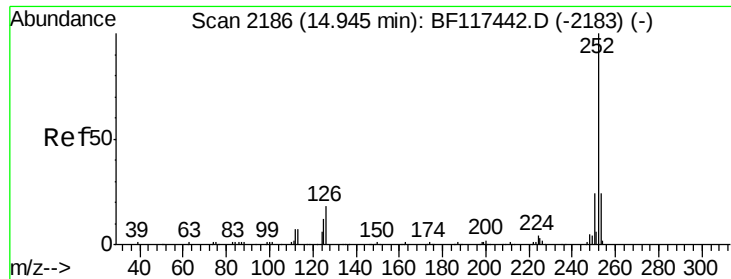
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#88
Benzo(b)fluoranthene
Concen: 26.719 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	14.4	9.9	14.9





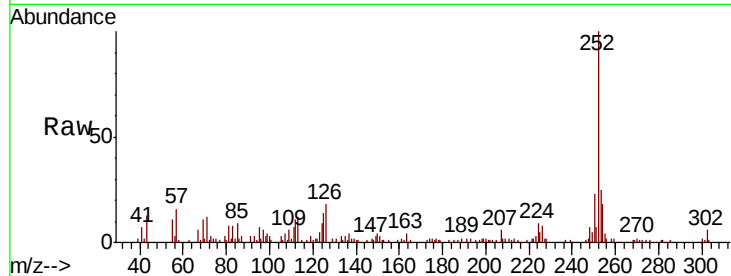
#89
Benzo(k)fluoranthene
Concen: 8.532 ng m
RT: 14.94 min Scan# 2186
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	14.3	8.9	13.3

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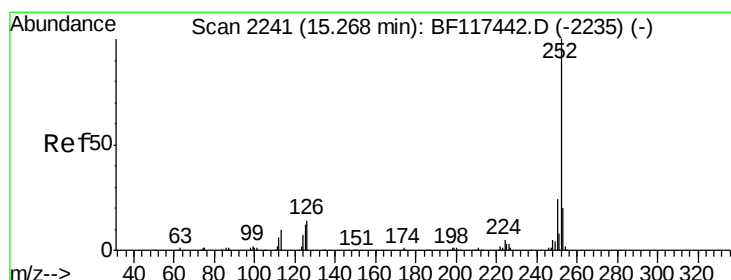
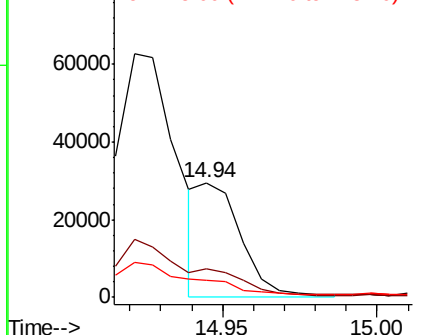
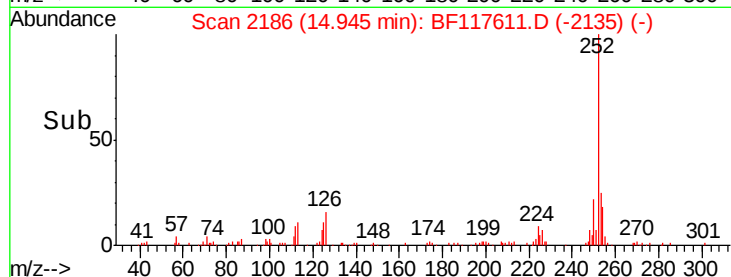


Abundance

Ion 252.00 (251.70 to 252.70): E

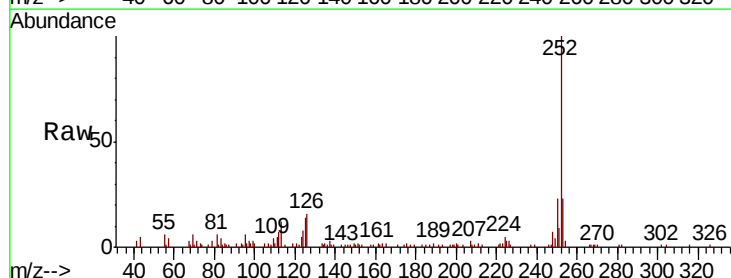
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 16.125 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	16.3	24.5
125	13.8	9.2	13.8

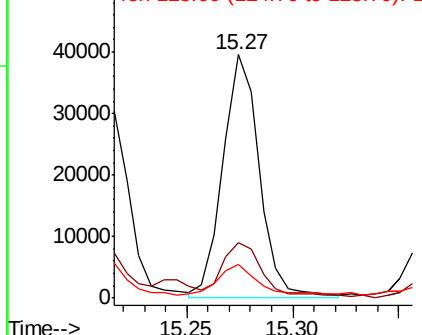
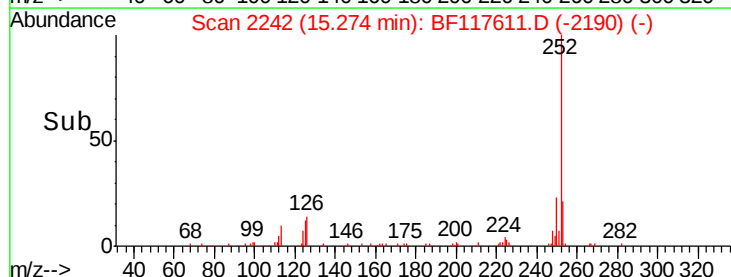


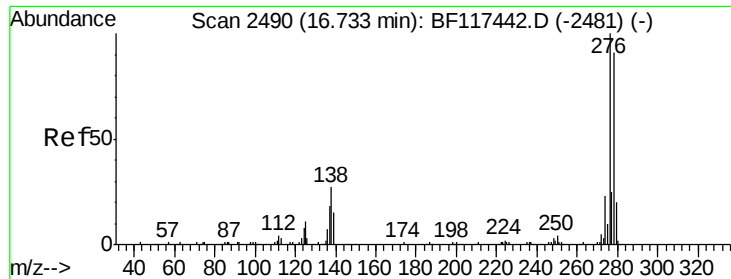
Abundance

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





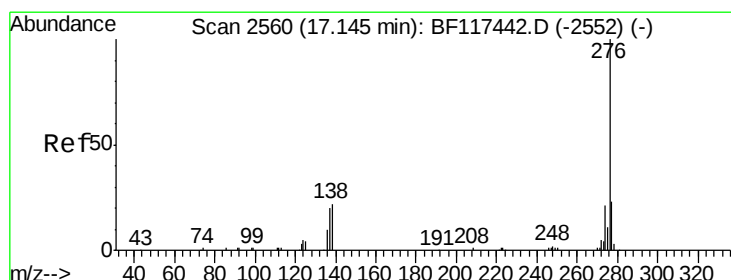
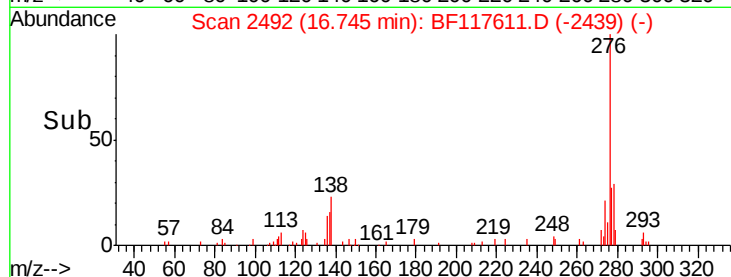
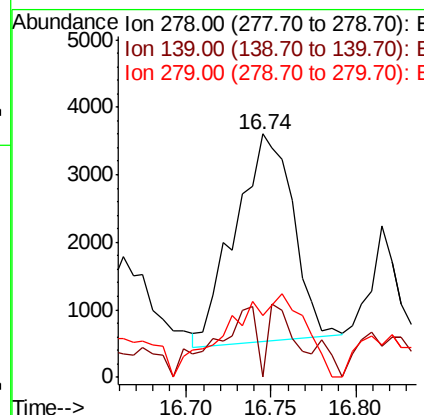
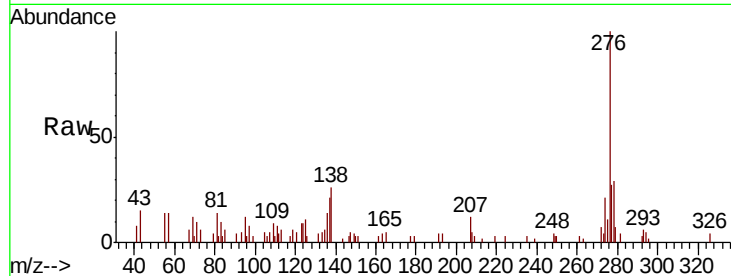
#91
Dibenzo(a,h)anthracene
Concen: 2.899 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :
CSA-2-1-7

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.4	20.0#
279	25.4	17.8	26.6

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#92
Benzo(g,h,i)perylene
Concen: 11.745 ng
RT: 17.18 min Scan# 2566
Delta R.T. 0.04 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.4	27.6
138	24.6	17.8	26.6

