

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117527.D
 Acq On : 24 Oct 2019 22:52
 Operator : JU
 Sample : K5498-19 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 193-68-(0-1)

Manual Integrations
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mohammad
 10/26/2019 10:03:28 AM

Quant Time: Oct 25 04:43:59 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	45721	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	184377	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	87576	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	117748	20.00	ng	0.00
76) Chrysene-d12	13.90	240	87195	20.00	ng	0.00
87) Perylene-d12	15.34	264	62326	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	159048	51.75	ng	0.00
7) Phenol-d6	6.39	99	224059	54.28	ng	0.01
23) Nitrobenzene-d5	7.30	82	131256	35.14	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	34026	44.90	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	235901	37.95	ng	0.00
79) Terphenyl-d14	12.83	244	152488	28.53	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	32396	5.189	ng	98
71) Phenanthrene	11.28	178	104586	15.297	ng	98
72) Anthracene	11.33	178	23810	3.394	ng	100
75) Fluoranthene	12.47	202	155932	22.782	ng	98
78) Pyrene	12.70	202	143327	19.137	ng	99
80) Butylbenzylphthalate	13.31	149	12446	3.339	ng	95
81) Benzo(a)anthracene	13.89	228	71735	12.196	ng	100
83) Chrysene	13.93	228	75899	13.167	ng	98
84) Bis(2-ethylhexyl)phthalate	13.87	149	111089	21.278	ng	# 95
86) Indeno(1,2,3-cd)pyrene	16.76	276	23074	5.361	ng	90
88) Benzo(b)fluoranthene	14.93	252	66977m	18.198	ng	
89) Benzo(k)fluoranthene	14.95	252	21522m	5.705	ng	
90) Benzo(a)pyrene	15.28	252	43156	12.897	ng	# 90
91) Dibenzo(a,h)anthracene	16.76	278	6001	2.074	ng	# 59
92) Benzo(a,h,i)perylene	17.19	276	24528	8.959	ng	95

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

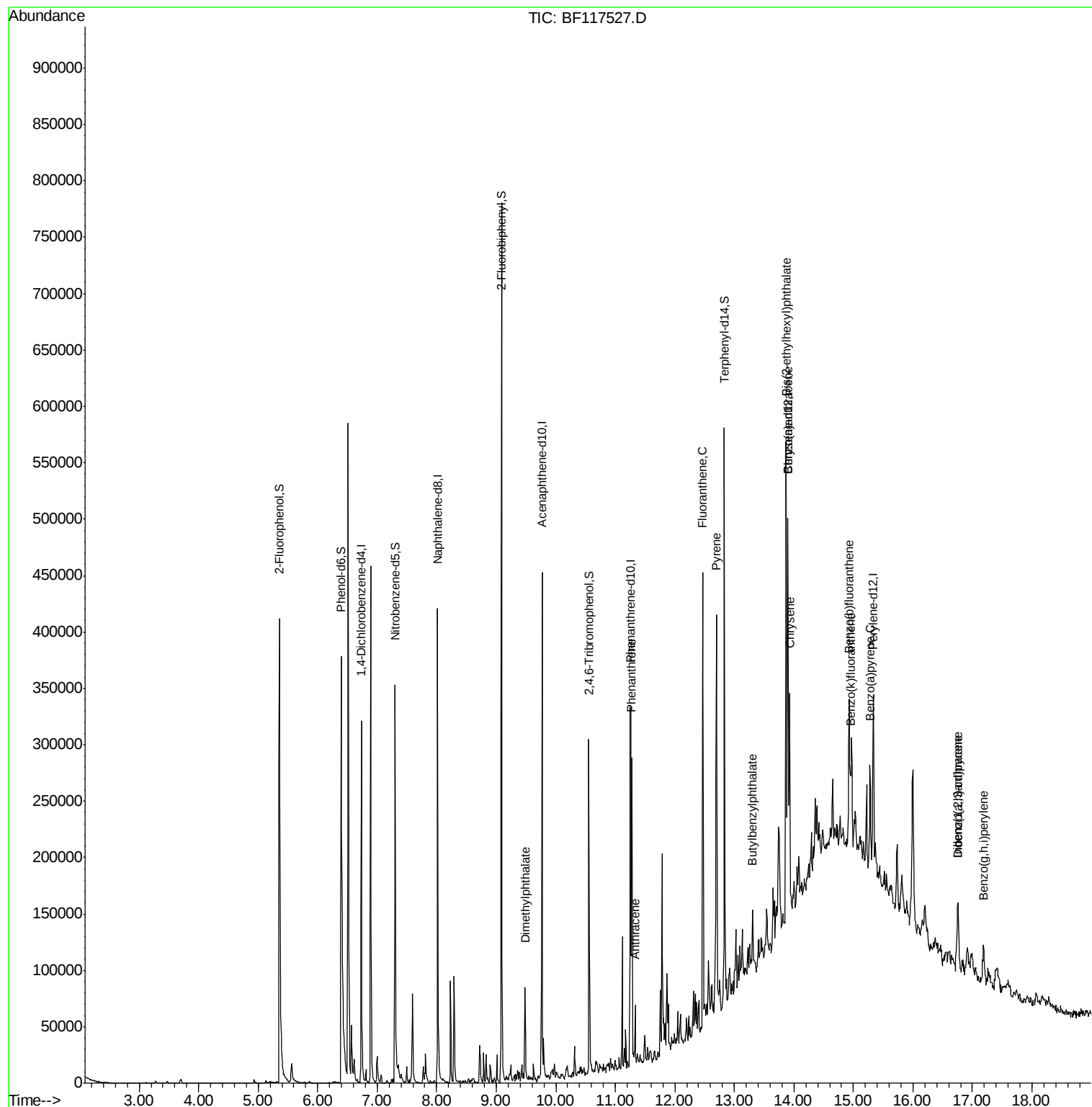
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
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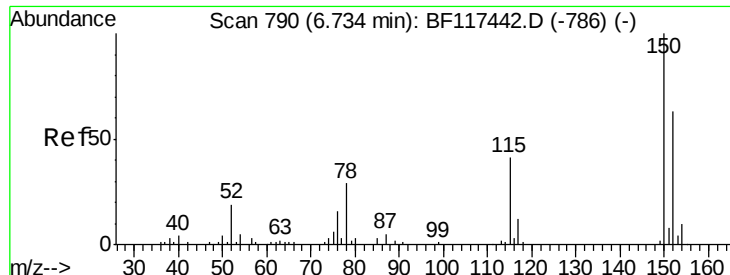
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#1

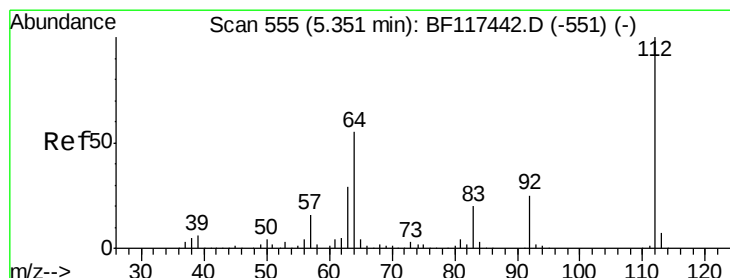
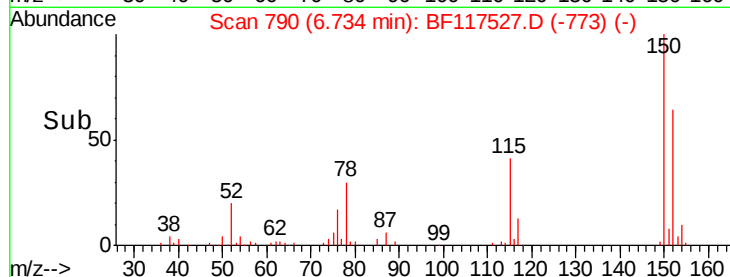
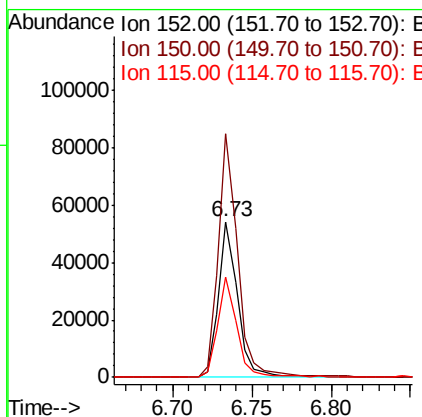
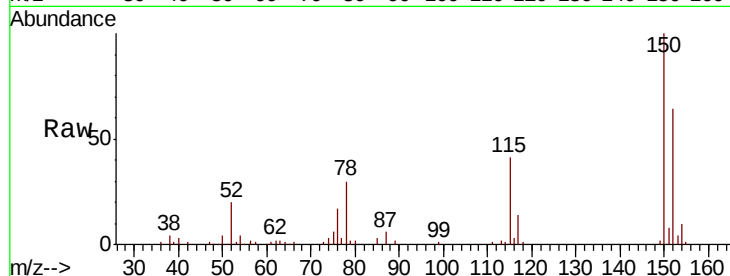
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.8	190.2
115	64.8	51.6	77.4

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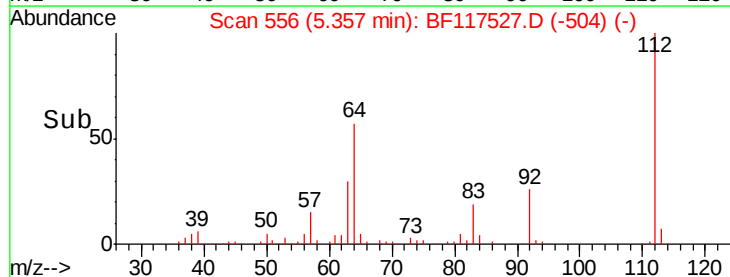
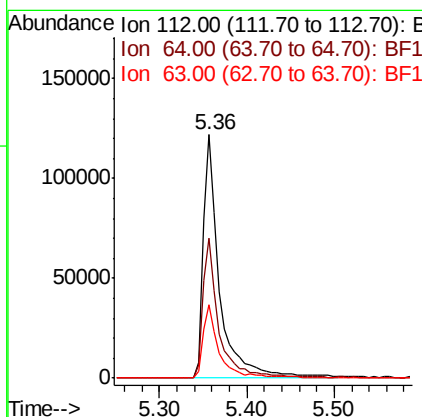
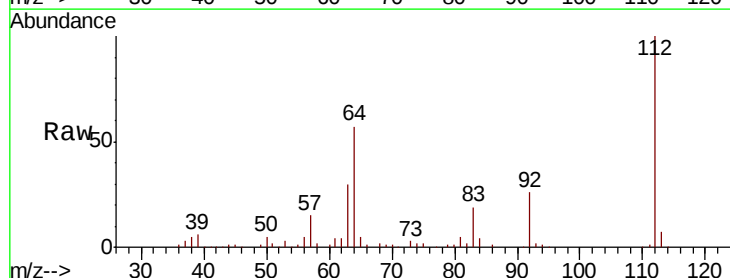
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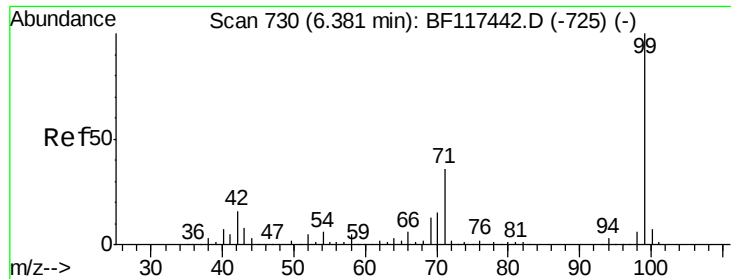


#5

2-Fluorophenol
Concen: 51.752 ng
RT: 5.36 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	44.1	66.1
63	30.0	23.4	35.2





#7

Phenol-d6

Concen: 54.281 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Instrument :

BNA_F

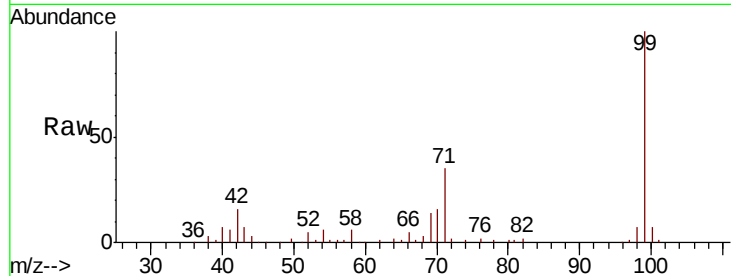
ClientSampleId :

193-68-(0-1)

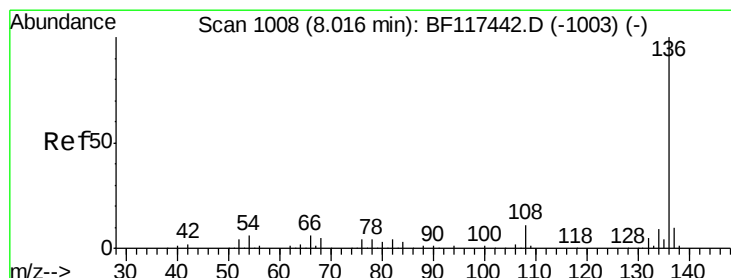
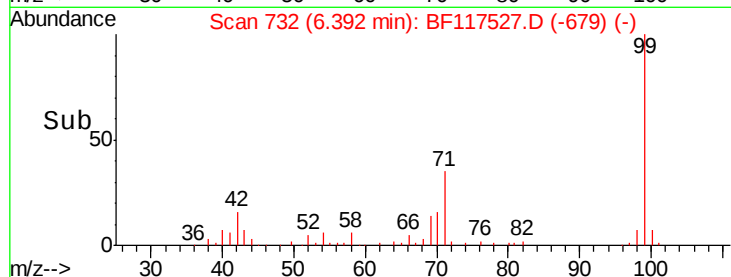
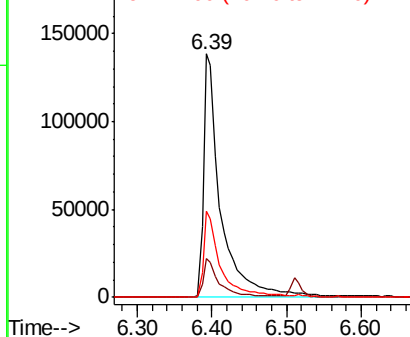
Tot Ion:	99	Resp:	224059
Ion Ratio	Lower	Upper	
99	100		
42	16.1	12.8	19.2
71	35.5	28.6	43.0

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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: 8.02 min Scan# 1008

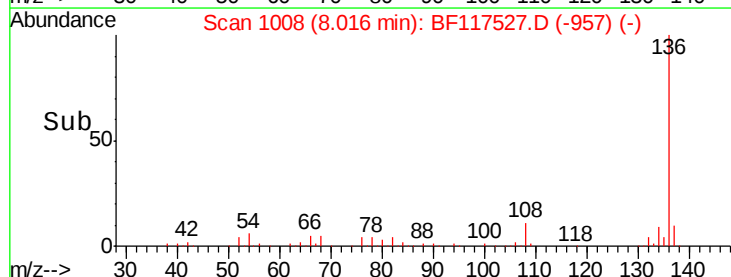
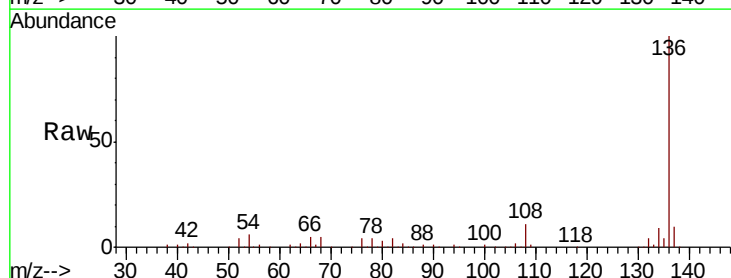
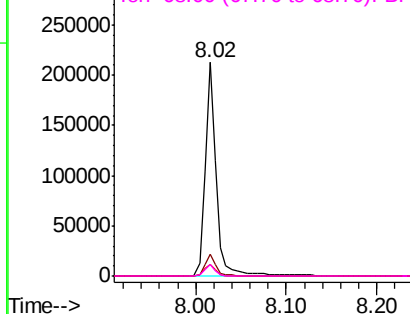
Delta R.T. -0.00 min

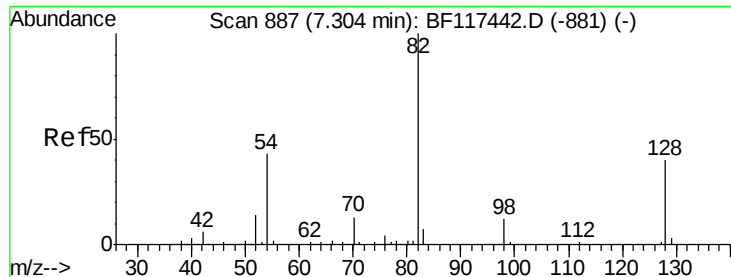
Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Tgt Ion:	136	Resp:	184377
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.2	12.4
54	5.6	4.5	6.7
68	5.3	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





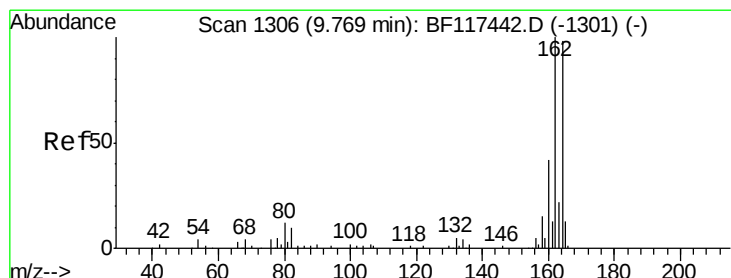
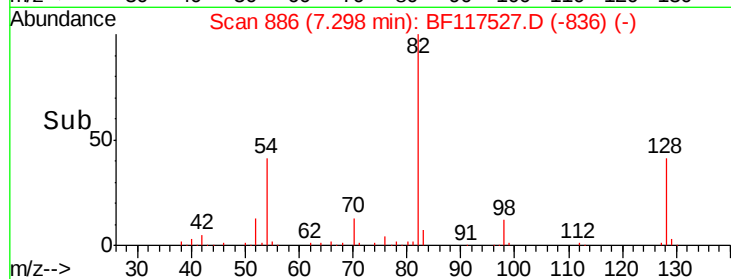
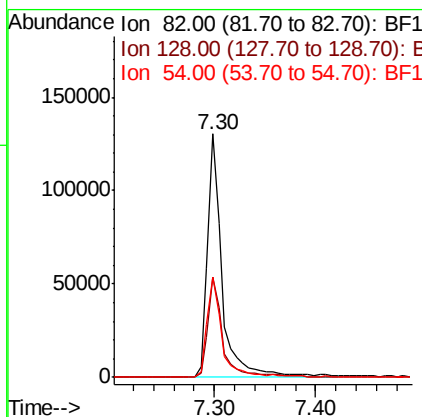
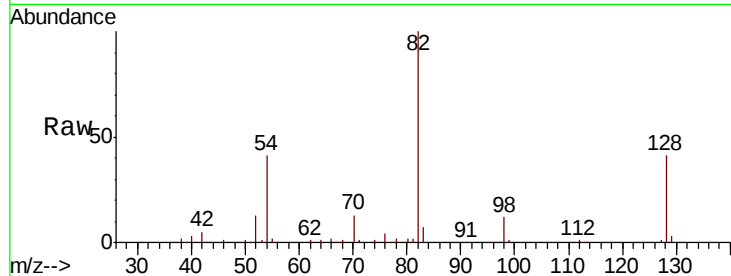
#23
Nitrobenzene-d5
Concen: 35.144 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.2	48.2
54	41.3	34.2	51.2

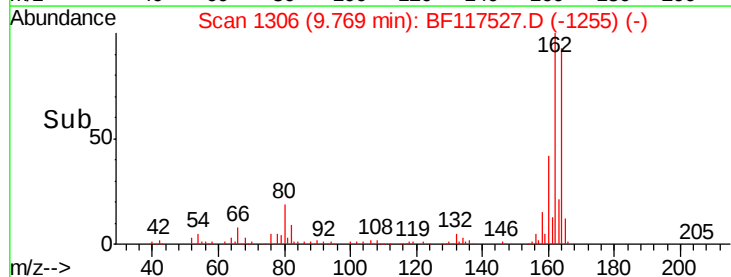
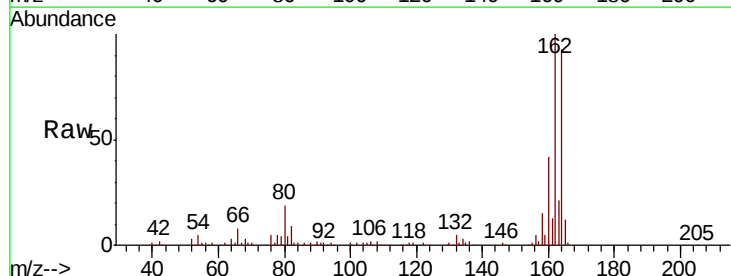
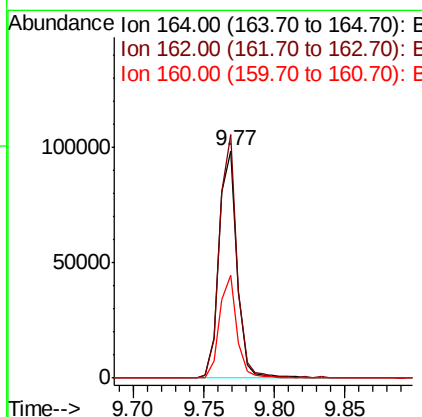
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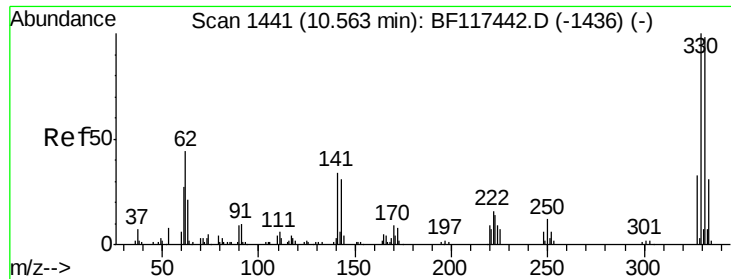
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.1	81.8	122.6
160	45.3	34.4	51.6





#42

2,4,6-Tribromophenol

Concen: 44.904 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Instrument :

BNA_F

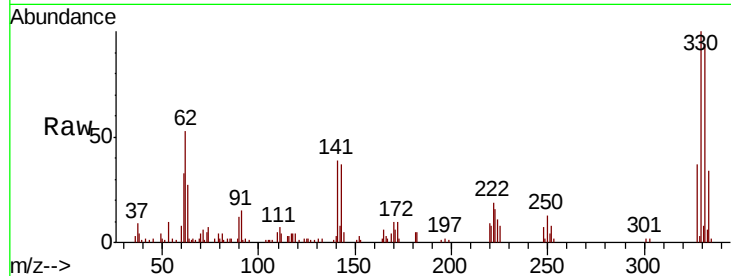
ClientSampleId :

193-68-(0-1)

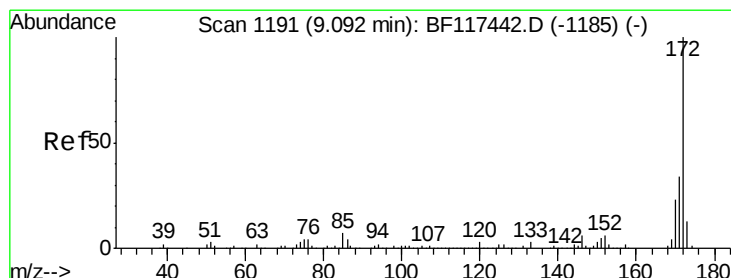
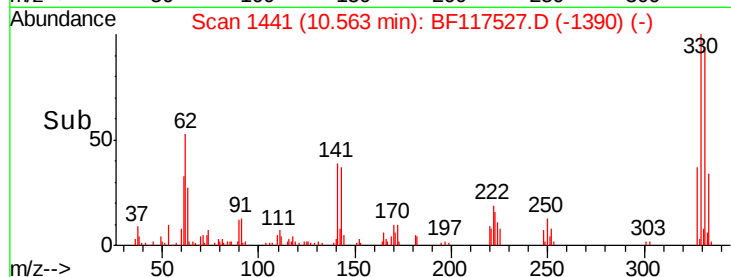
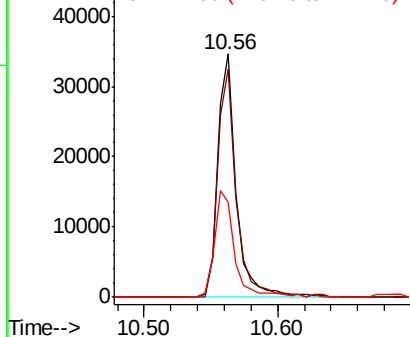
Tot Ion:	330	Resp:	34026
Ion Ratio	Lower	Upper	
330	100		
332	94.2	78.5	117.7
141	48.0	37.0	55.6

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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: 37.954 ng

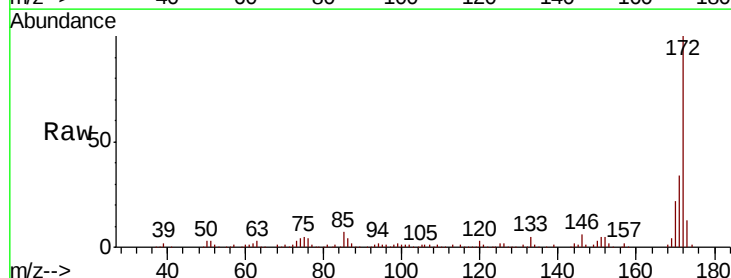
RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

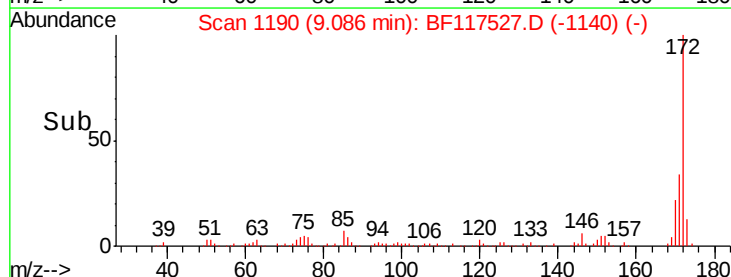
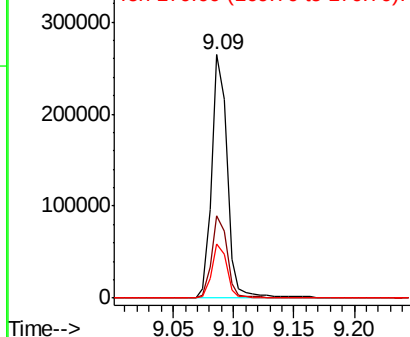
Lab File: BF117527.D

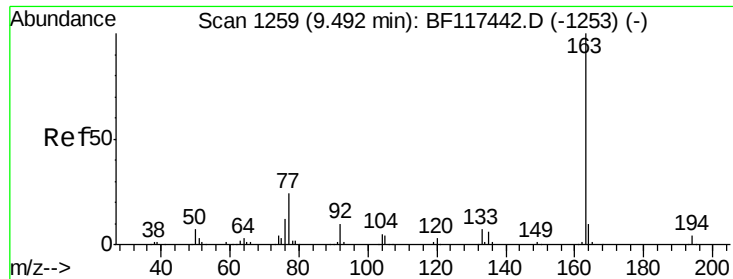
Acq: 24 Oct 2019 22:52

Tgt Ion:	172	Resp:	235901
Ion Ratio	Lower	Upper	
172	100		
171	34.1	27.5	41.3
170	22.3	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





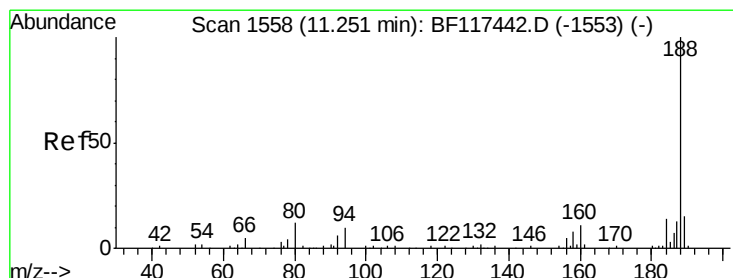
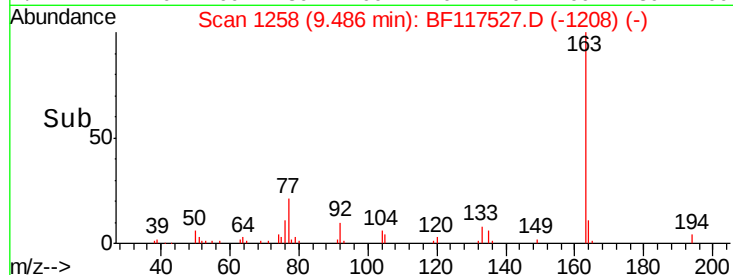
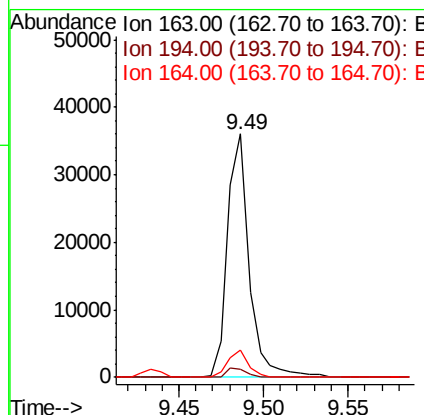
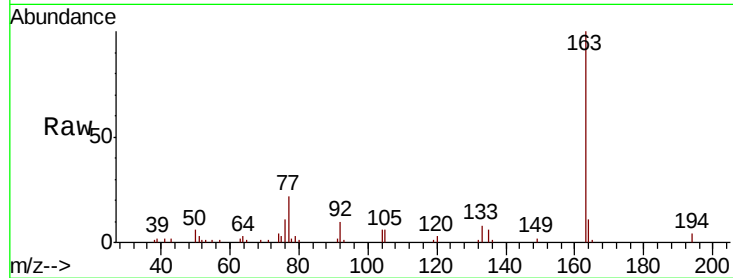
#50
Dimethylphthalate
Concen: 5.189 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Tot Ion:	163	Resp:	32396
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.9	4.3
164	11.0	8.2	12.2

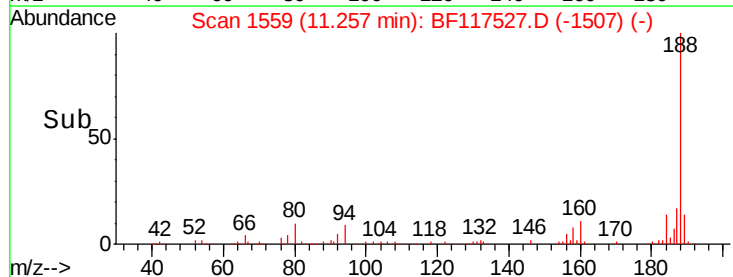
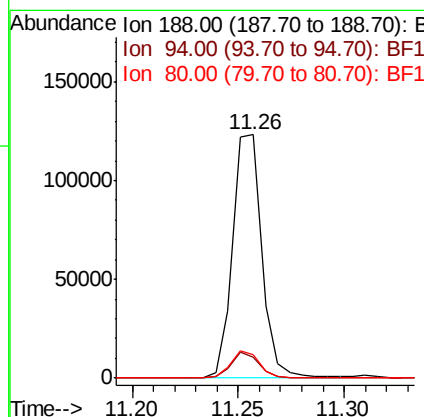
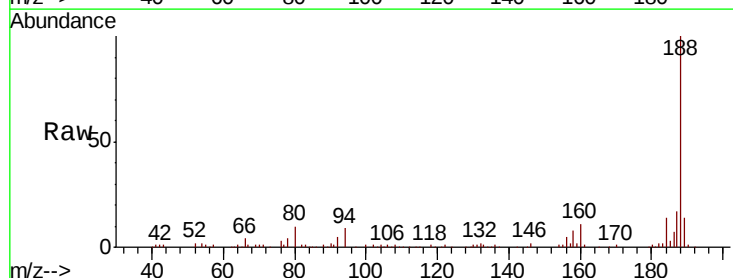
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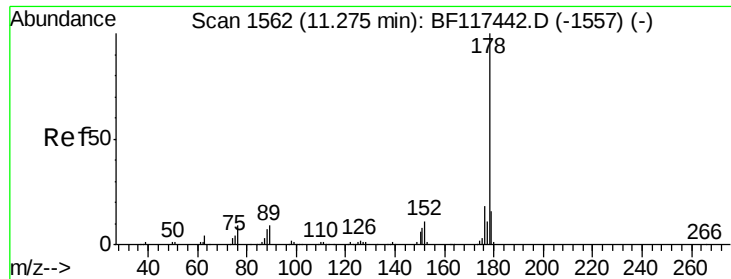
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion:	188	Resp:	117748
Ion Ratio	Lower	Upper	
188	100		
94	8.8	8.0	12.0
80	9.8	9.5	14.3





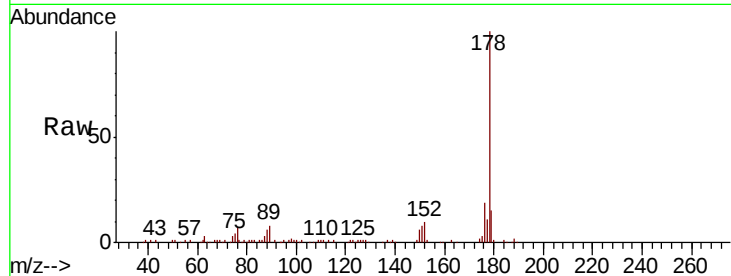
#71
Phenanthrene
Concen: 15.297 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.6	22.0
179	15.3	12.6	19.0

Manual Integrations
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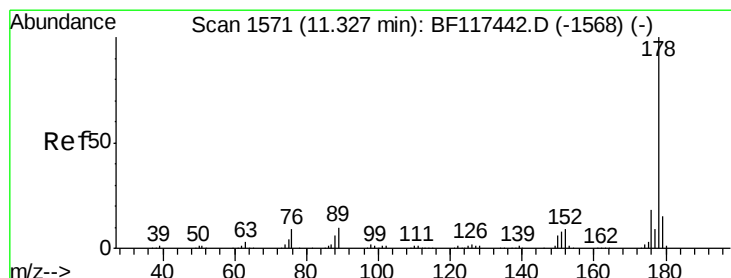
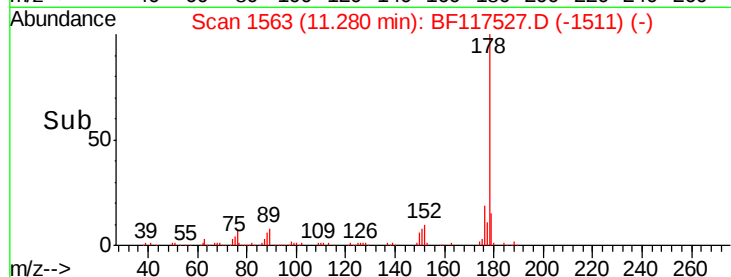
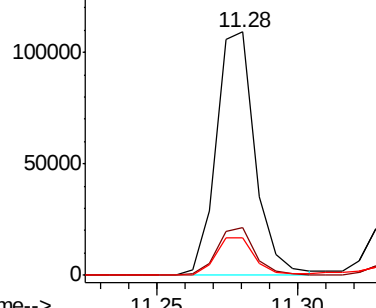


Abundance

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



#72
Anthracene
Concen: 3.394 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

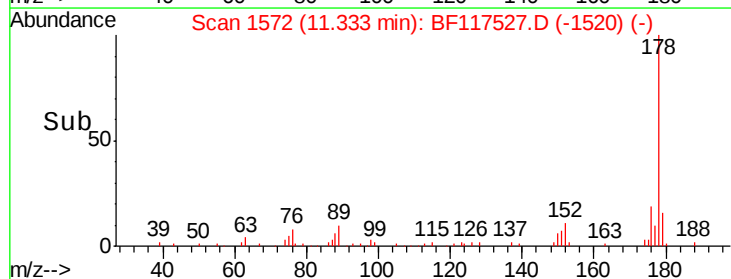
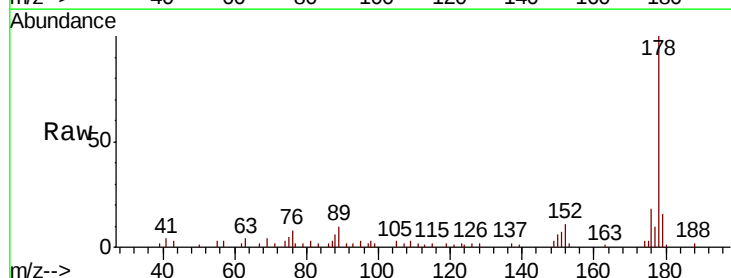
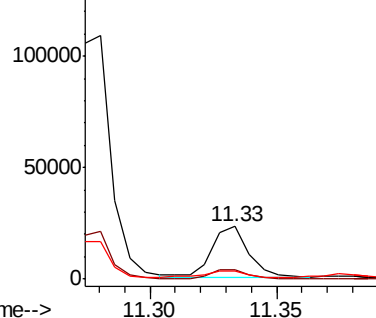
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.6	12.2	18.2

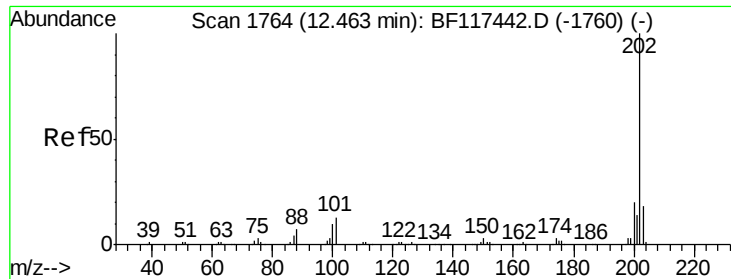
Abundance

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: 22.782 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Instrument :

BNA_F

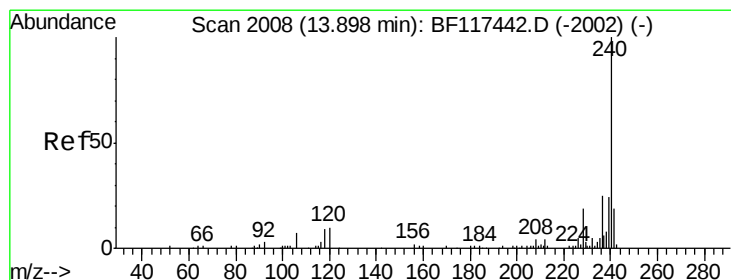
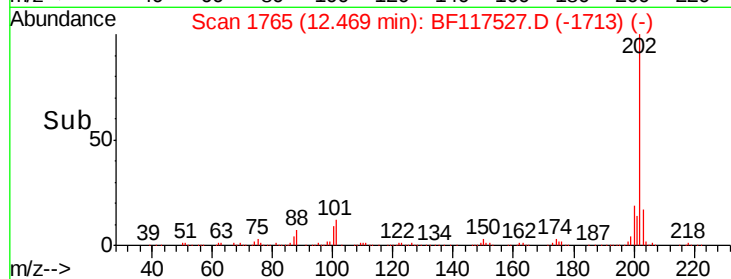
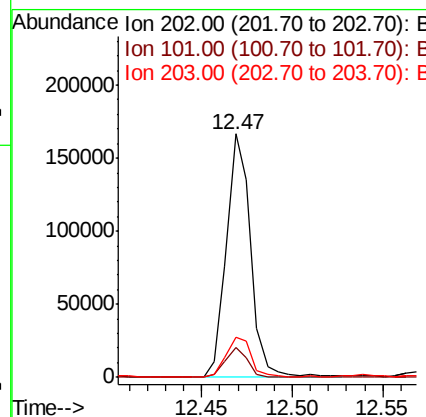
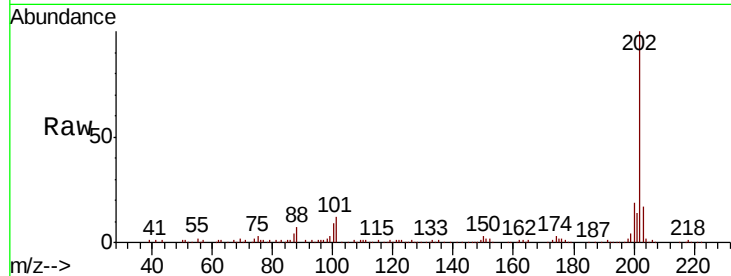
ClientSampleId :

193-68-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	155932		
101	12.4	0.0	32.7	
203	16.5	0.0	37.6	

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#76

Chrysene-d12

Concen: 20.000 ng

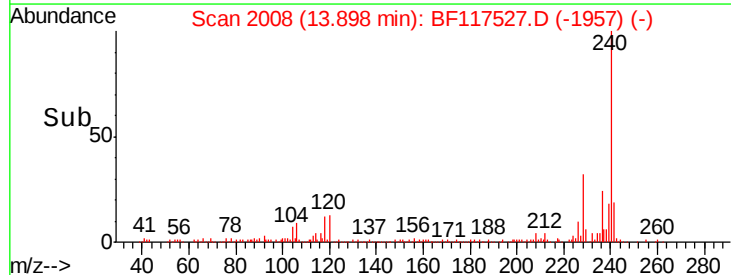
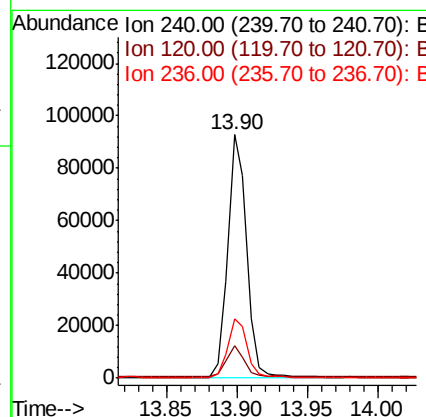
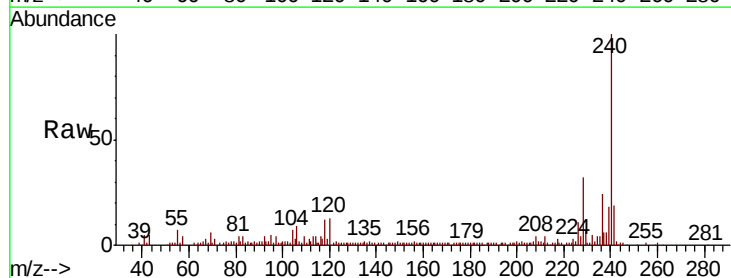
RT: 13.90 min Scan# 2008

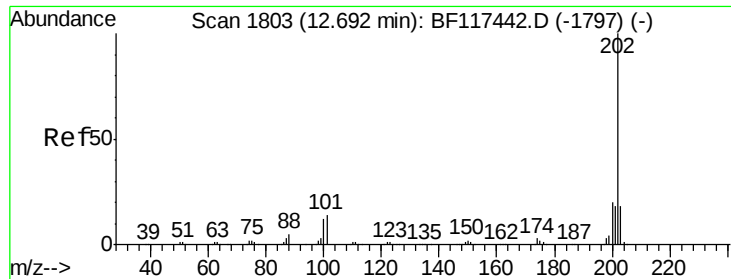
Delta R.T. 0.00 min

Lab File: BF117527.D

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Tgt Ion	Ratio	Resp	Lower	Upper
240	100	87195		
120	13.3	8.4	12.6#	
236	24.4	20.0	30.0	





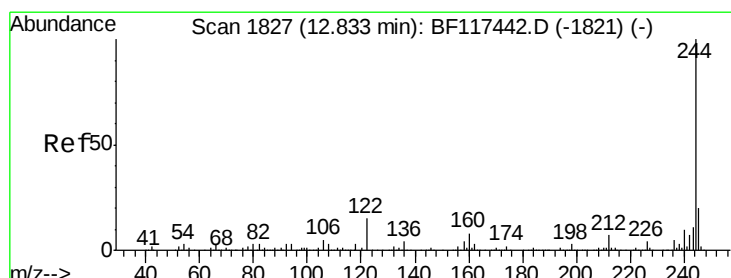
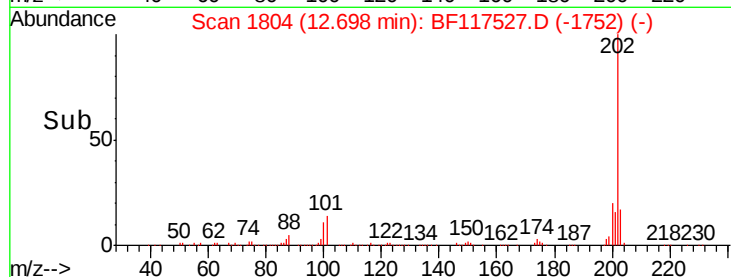
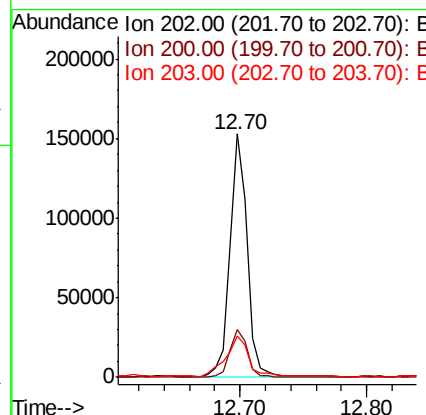
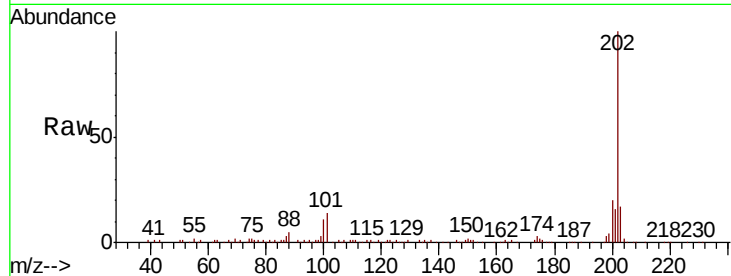
#78
Pvrene
Concen: 19.137 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.2	24.2
203	17.0	14.0	21.0

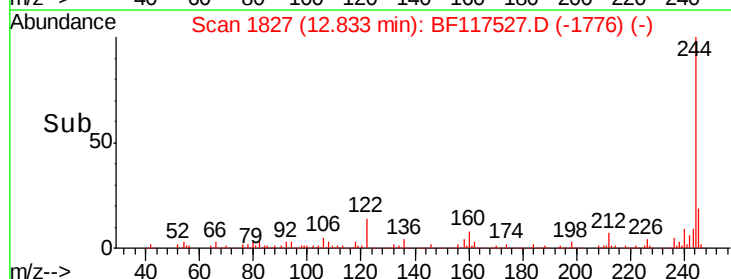
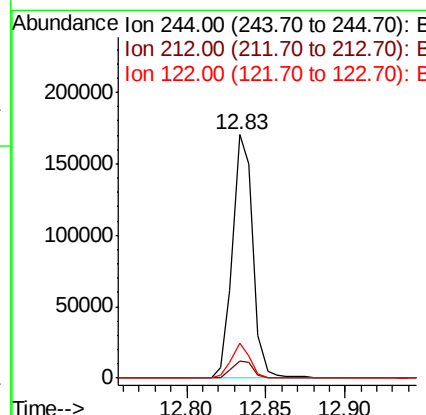
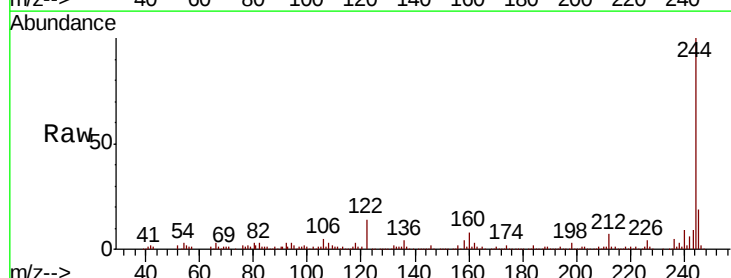
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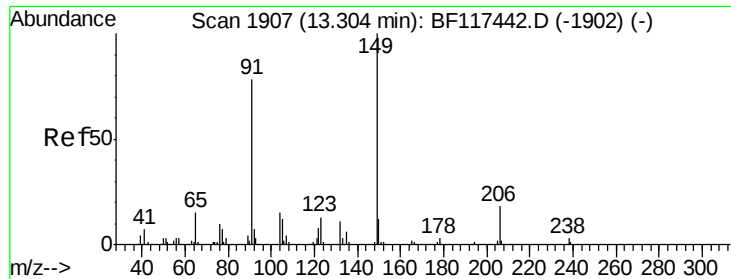
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#79
Terphenyl-d14
Concen: 28.525 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	14.3	11.8	17.8





#80

Butylbenzylphthalate

Concen: 3.339 ng

RT: 13.31 min Scan# 1908

Delta R.T. 0.01 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Instrument :

BNA_F

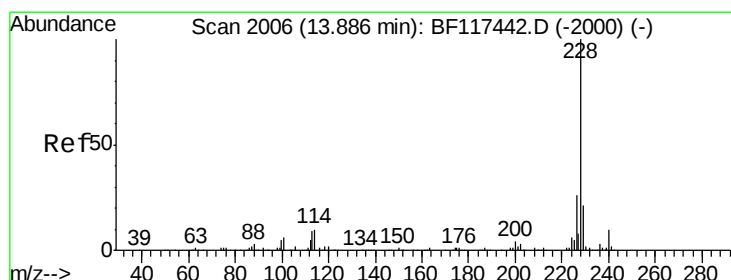
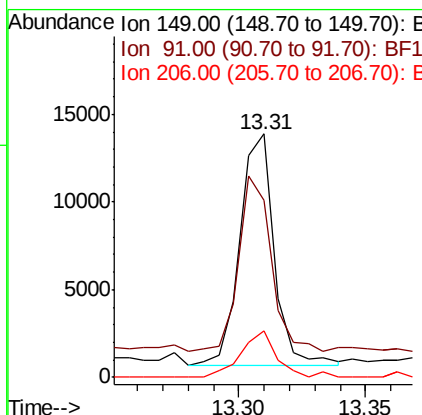
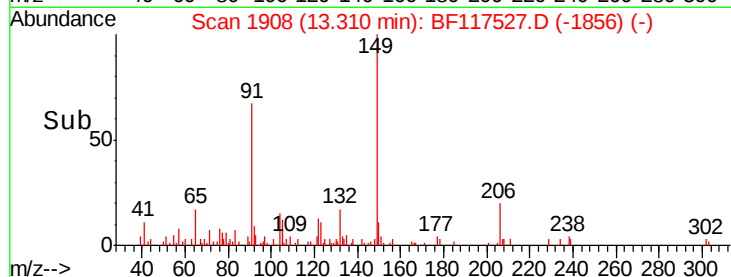
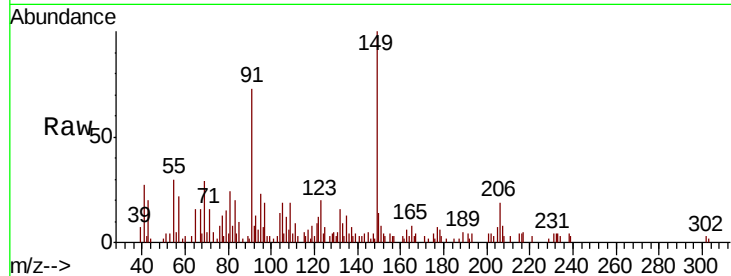
ClientSampleId :

193-68-(0-1)

Tot Ion:	149	Resp:	12446
Ion Ratio	Lower	Upper	
149	100		
91	72.8	62.1	93.1
206	19.2	14.3	21.5

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#81

Benzo(a)anthracene

Concen: 12.196 ng

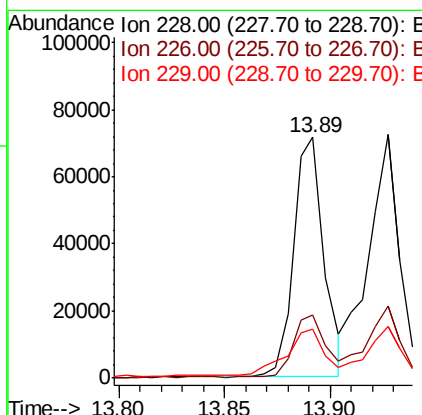
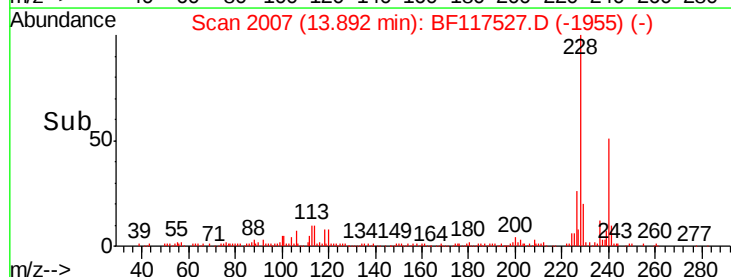
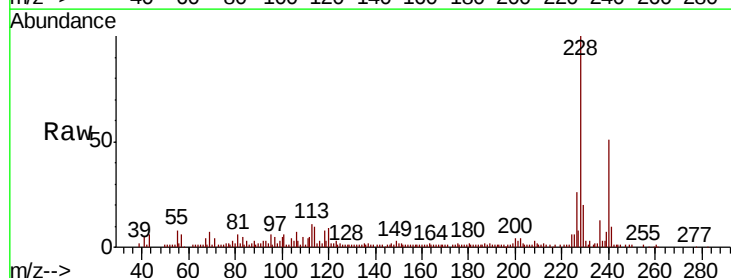
RT: 13.89 min Scan# 2007

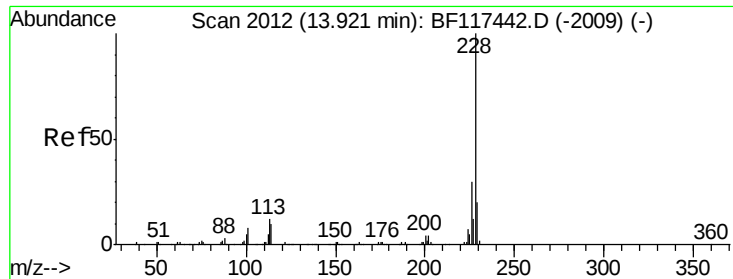
Delta R.T. 0.01 min

Lab File: BF117527.D

Acq: 24 Oct 2019 22:52

Tgt Ion:	228	Resp:	71735
Ion Ratio	Lower	Upper	
228	100		
226	26.4	21.0	31.4
229	20.3	16.4	24.6





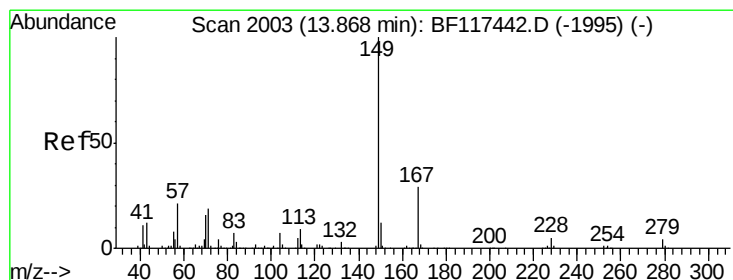
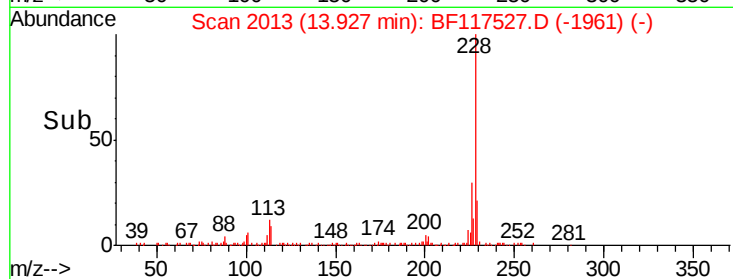
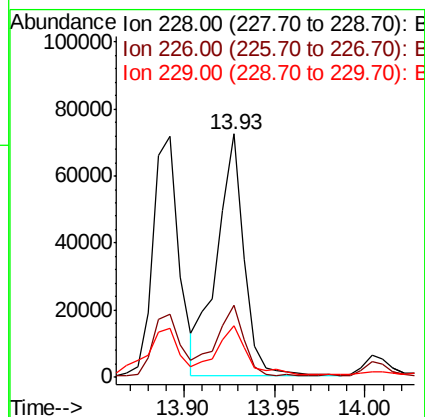
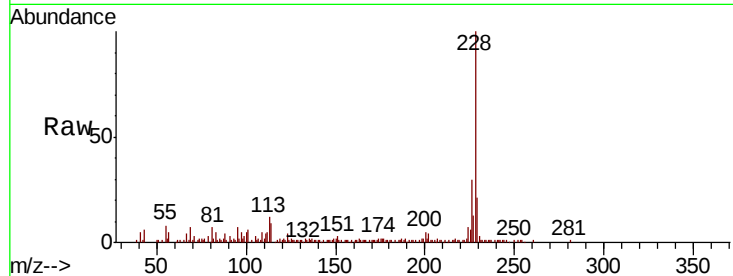
#83
Chrysene
Concen: 13.167 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Tot Ion:	228	Resp:	75899
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.9	35.9
229	21.1	15.8	23.6

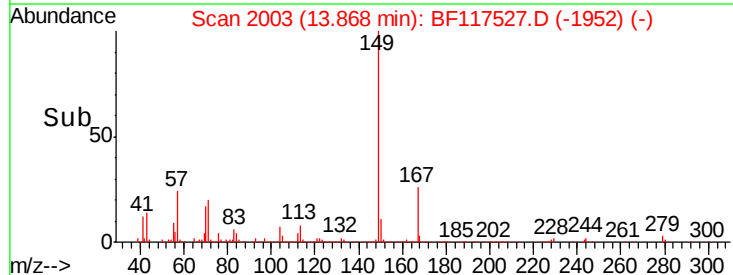
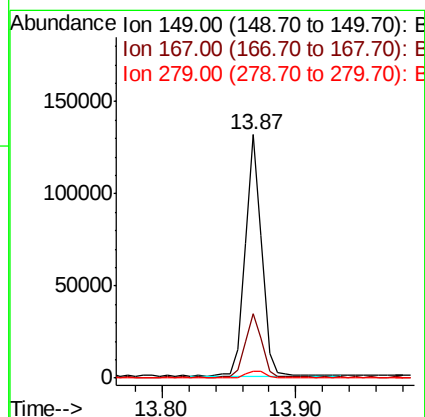
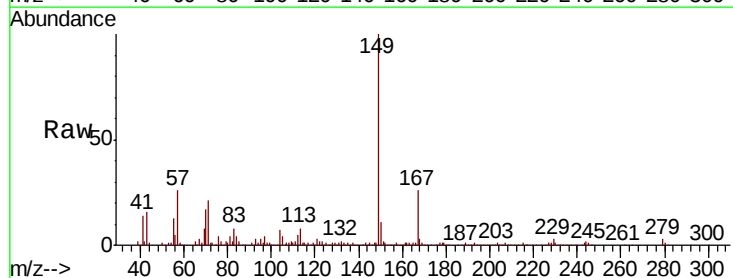
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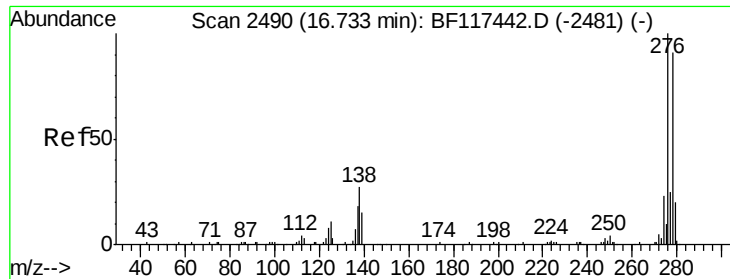
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#84
Bis(2-ethylhexyl)phthalate
Concen: 21.278 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion:	149	Resp:	111089
Ion Ratio	Lower	Upper	
149	100		
167	26.2	23.3	34.9
279	3.0	3.2	4.8#





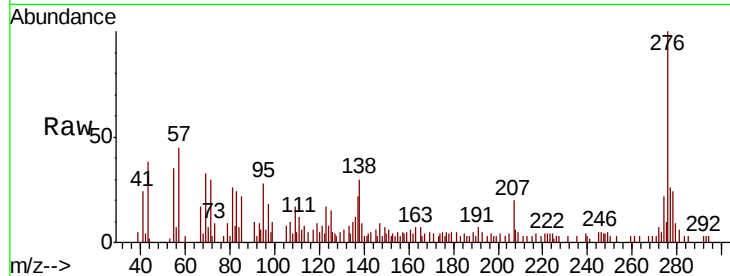
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.361 ng
 RT: 16.76 min Scan# 2494
 Delta R.T. 0.02 min
 Lab File: BF117527.D
 Acq: 24 Oct 2019 22:52

Instrument :
 BNA_F
 ClientSampleId :
 193-68-(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.7	21.8	32.8
277	29.7	20.0	30.0

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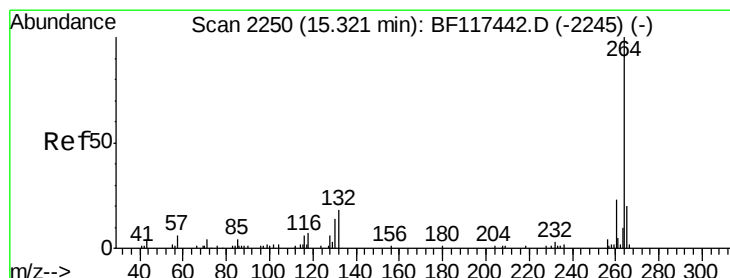
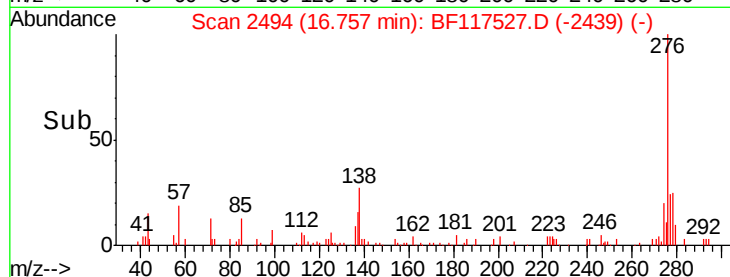
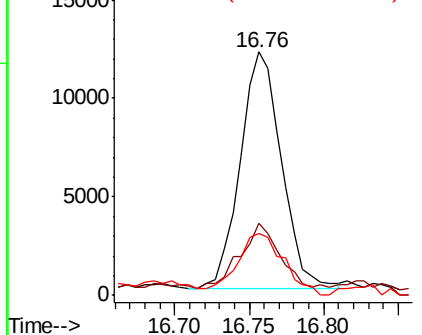


Abundance

Ion 276.00 (275.70 to 276.70): E

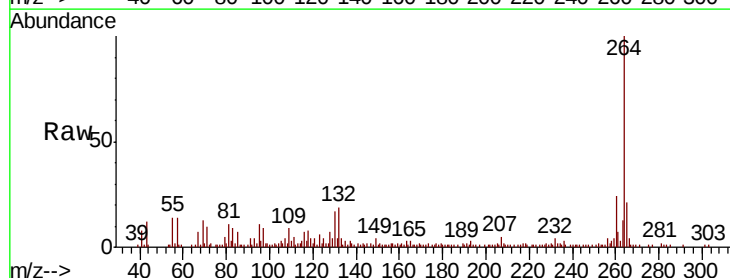
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2253
 Delta R.T. 0.02 min
 Lab File: BF117527.D
 Acq: 24 Oct 2019 22:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.4	27.6
265	21.0	16.1	24.1

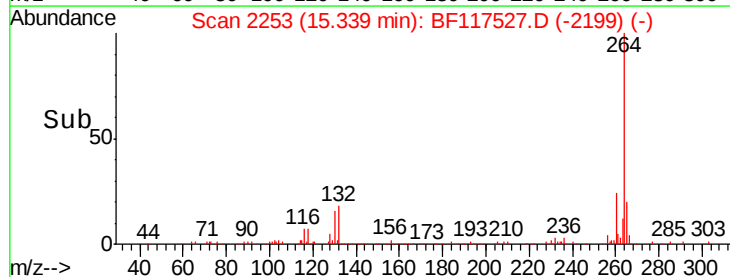
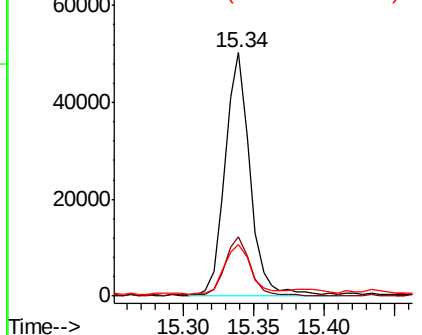


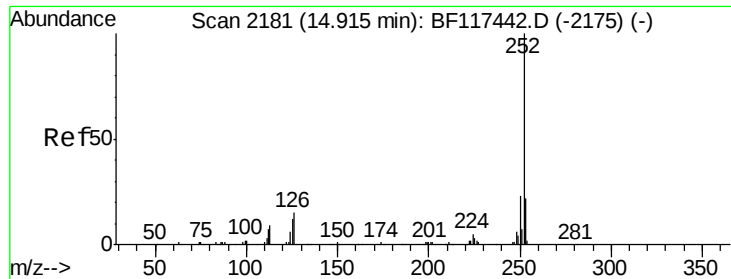
Abundance

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





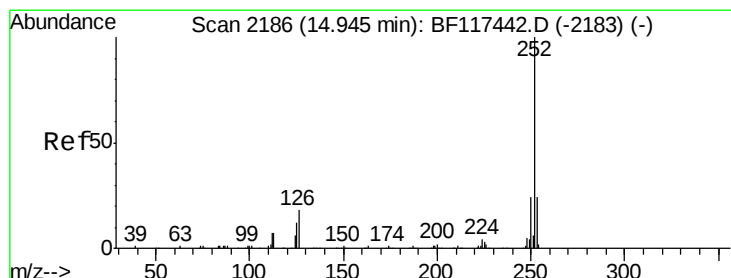
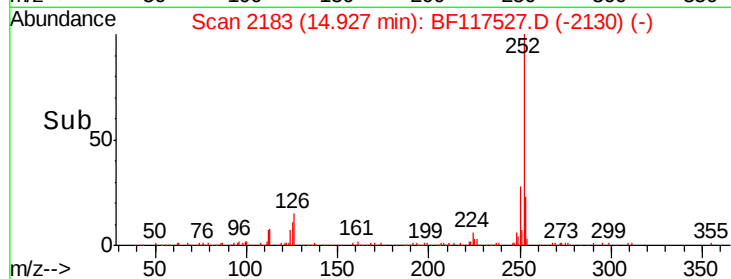
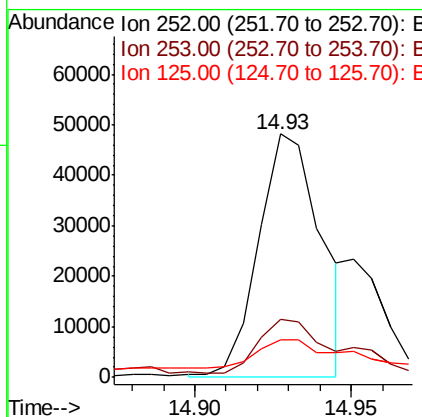
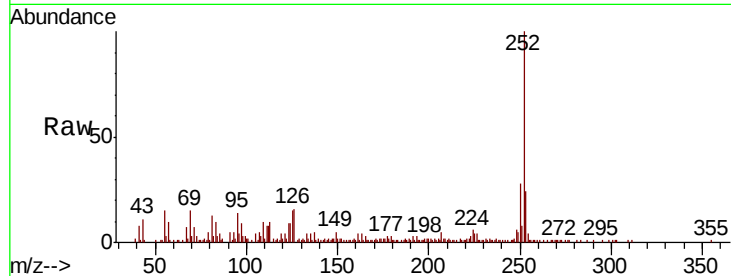
#88
Benzo(b)fluoranthene
Concen: 18.198 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	15.3	9.9	14.9#

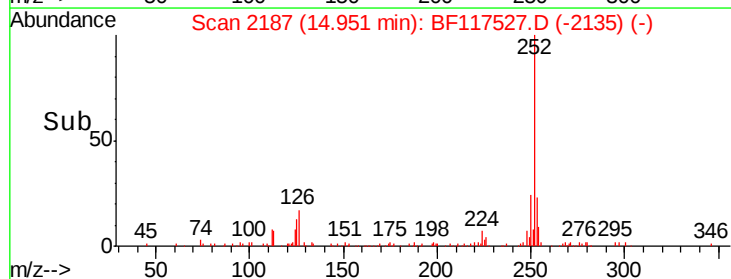
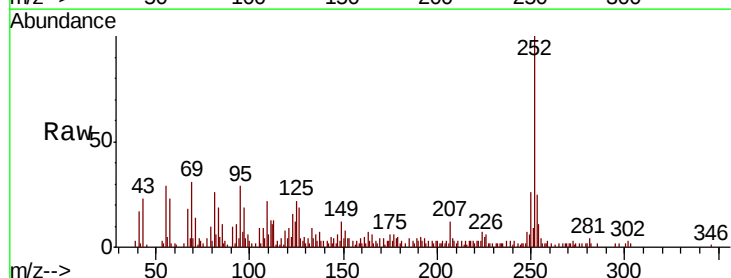
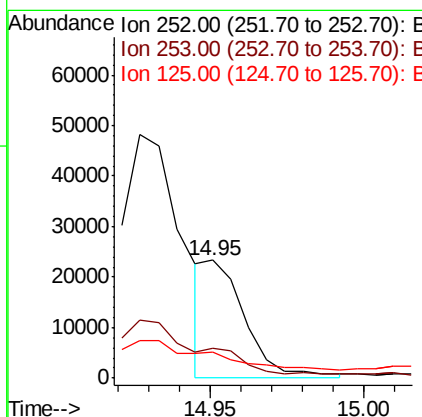
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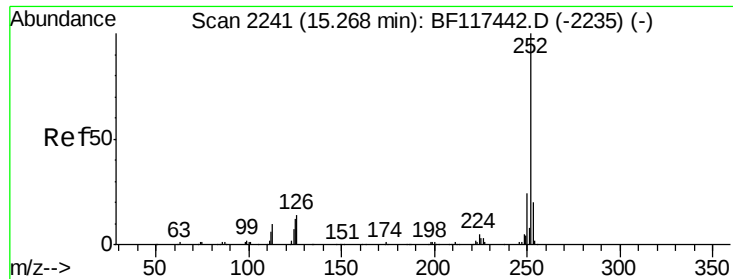
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#89
Benzo(k)fluoranthene
Concen: 5.705 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.0	27.0
125	22.1	8.9	13.3#





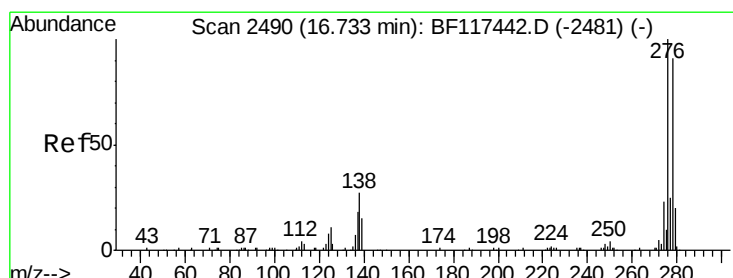
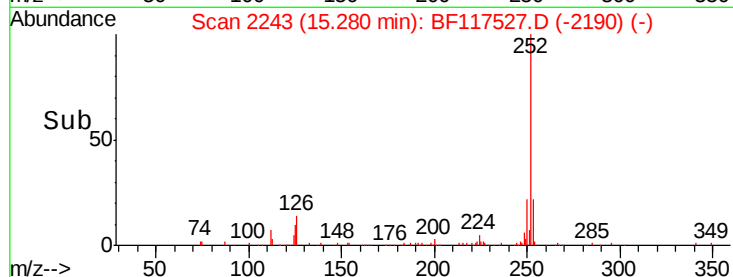
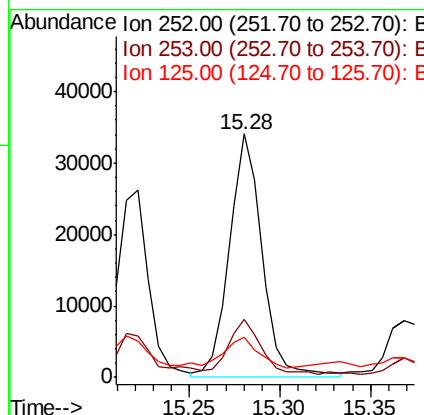
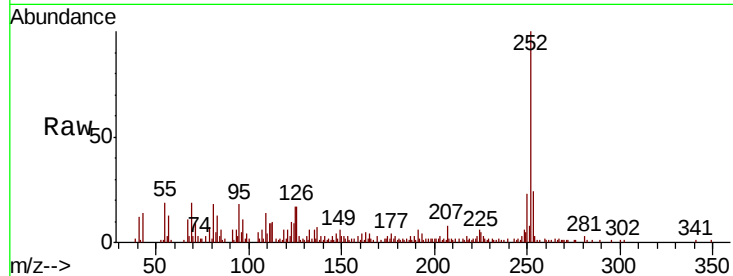
#90
Benzo(a)pyrene
Concen: 12.897 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Instrument :
BNA_F
ClientSampleId :
193-68-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.3	24.5
125	16.6	9.2	13.8

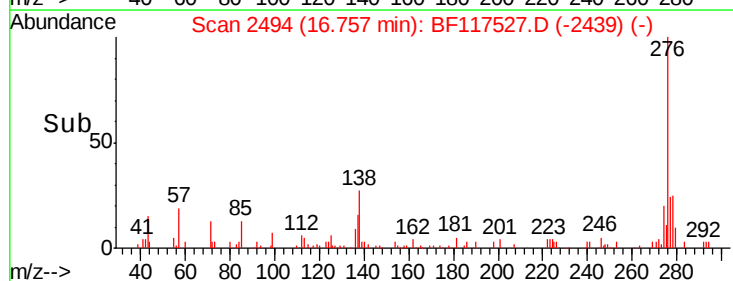
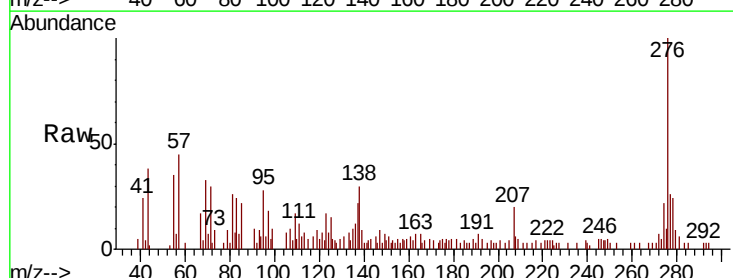
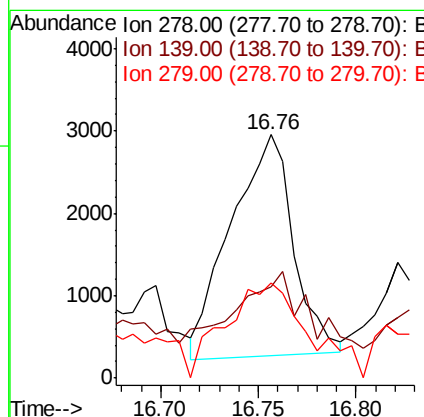
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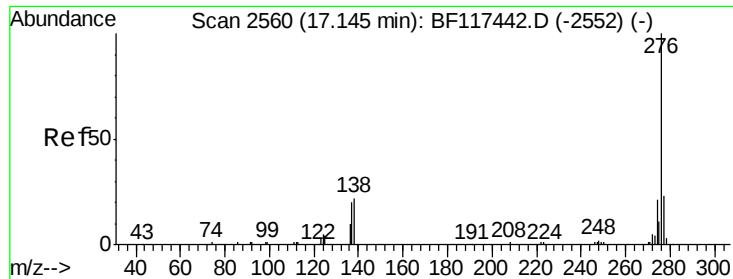
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#91
Dibenzo(a,h)anthracene
Concen: 2.074 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117527.D
Acq: 24 Oct 2019 22:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	37.4	13.4	20.0
279	39.3	17.8	26.6





#92
 Benzo(a,h,i)perylene
 Concen: 8.959 ng
 RT: 17.19 min Scan# 2567
 Delta R.T. 0.04 min
 Lab File: BF117527.D
 Acq: 24 Oct 2019 22:52

Instrument :
 BNA_F
 ClientSampleId :
 193-68-(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.4	27.6
138	23.7	17.8	26.6

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