

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117509.D
 Acq On : 24 Oct 2019 14:53
 Operator : JU
 Sample : K5497-13
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 167-00-(0-1)

Manual Integrations
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mohammad
 10/26/2019 10:02:37 AM

Quant Time: Oct 25 01:33:03 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	53817	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	222287	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	115243	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	184428	20.00	ng	0.00
76) Chrysene-d12	13.90	240	115424	20.00	ng	0.00
87) Perylene-d12	15.33	264	115128	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	348648	96.38	ng	0.00
7) Phenol-d6	6.39	99	468850	96.50	ng	0.00
23) Nitrobenzene-d5	7.30	82	294211	65.34	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	92435	92.70	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	447455	54.71	ng	0.00
79) Terphenyl-d14	12.83	244	379533	53.63	ng	0.00
Target Compounds						
10) Phenol	6.40	94	12836	2.588	ng	Qvalue # 75
50) Dimethylphthalate	9.48	163	58908	7.170	ng	99
71) Phenanthrene	11.27	178	45050	4.207	ng	98
75) Fluoranthene	12.46	202	80075	7.469	ng	97
78) Pyrene	12.69	202	66188	6.676	ng	97
81) Benzo(a)anthracene	13.89	228	30392	3.904	ng	97
83) Chrysene	13.92	228	25707	3.369	ng	96
86) Indeno(1,2,3-cd)pyrene	16.75	276	16779	2.945	ng	98
88) Benzo(b)fluoranthene	14.93	252	30863m	4.540	ng	
90) Benzo(a)pyrene	15.27	252	22981	3.718	ng	# 94
92) Benzo(g,h,i)perylene	17.17	276	16378	3.239	ng	# 89

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

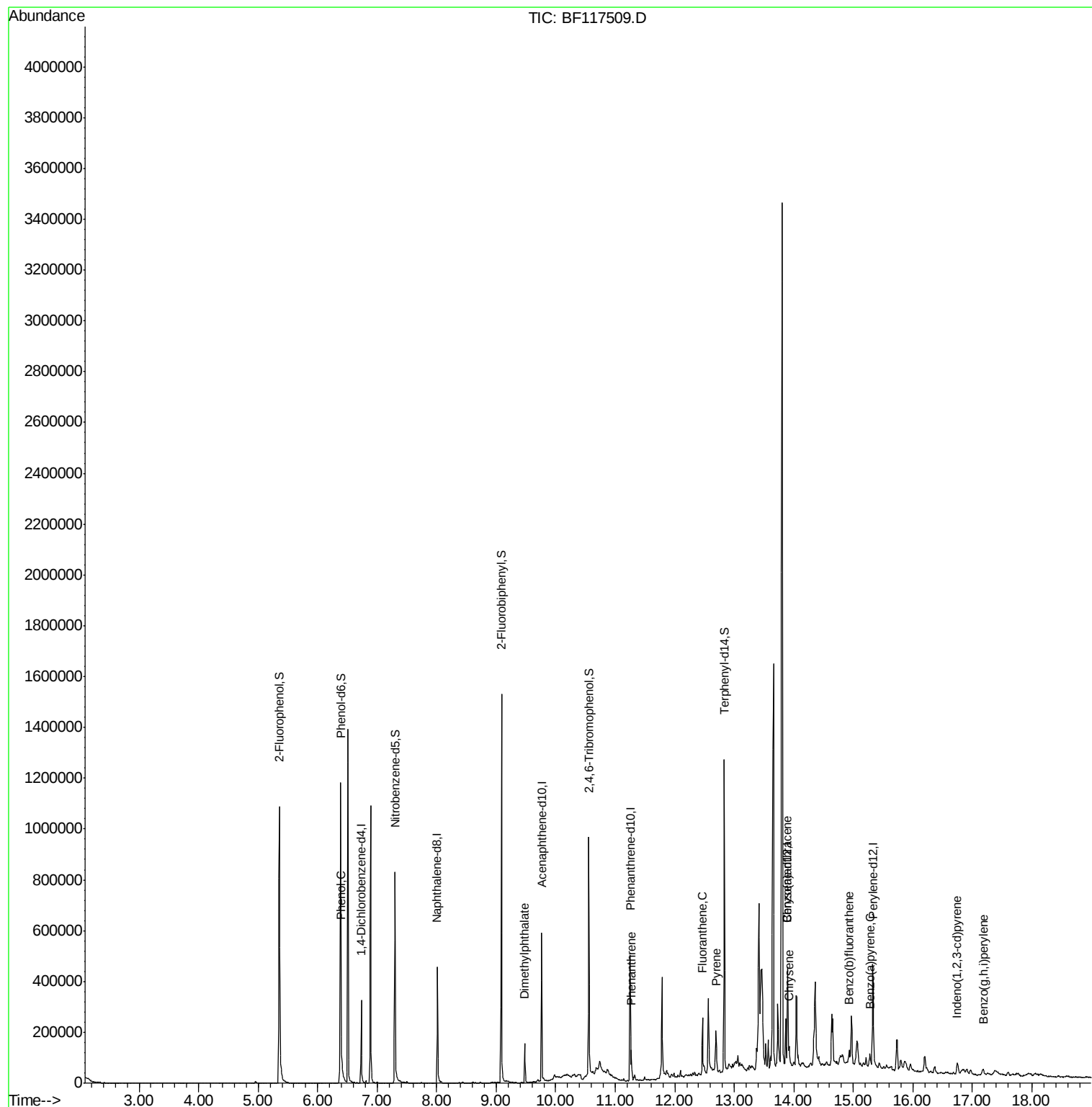
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117509.D
Acq On : 24 Oct 2019 14:53
Operator : JU
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Misc :
ALS Vial : 3 Sample Multiplier: 1

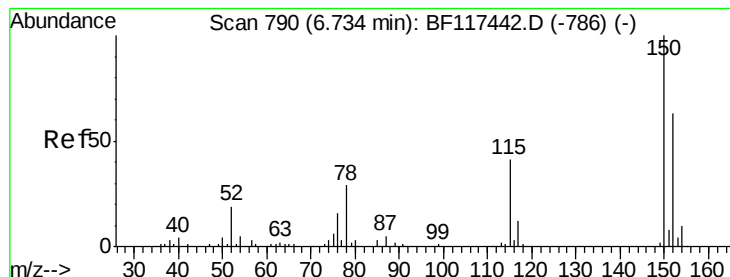
Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

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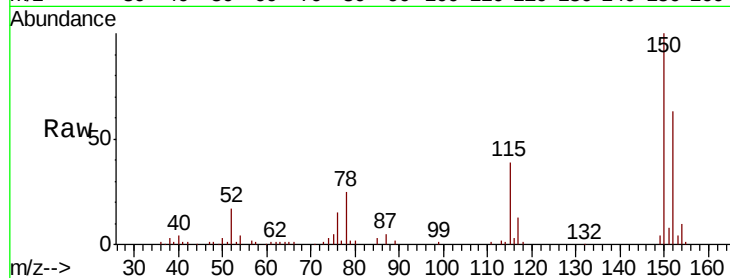
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. 0.00 min
 Lab File: BF117509.D
 Acq: 24 Oct 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :
 167-00-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	126.8	190.2
115	62.2	51.6	77.4

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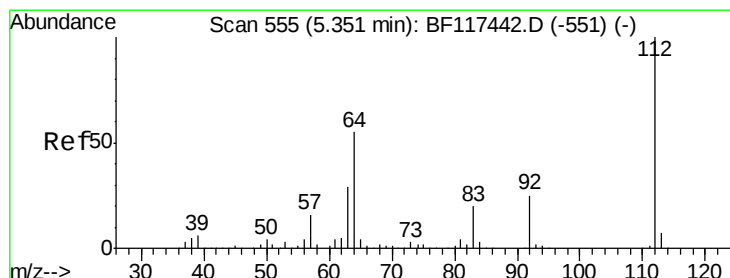
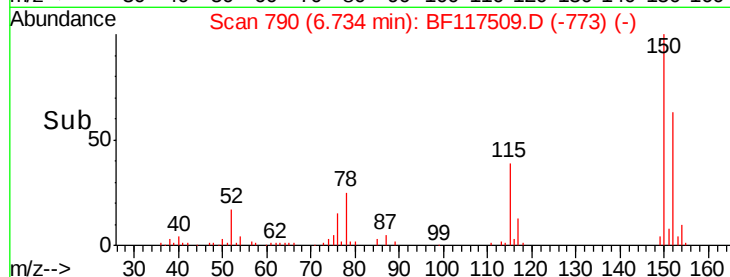
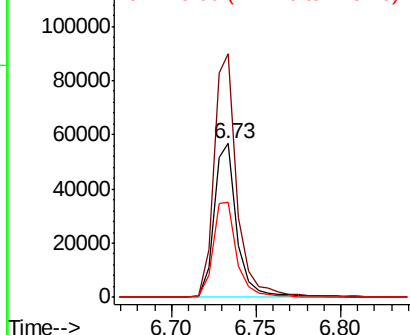


Abundance

Ion 152.00 (151.70 to 152.70): E

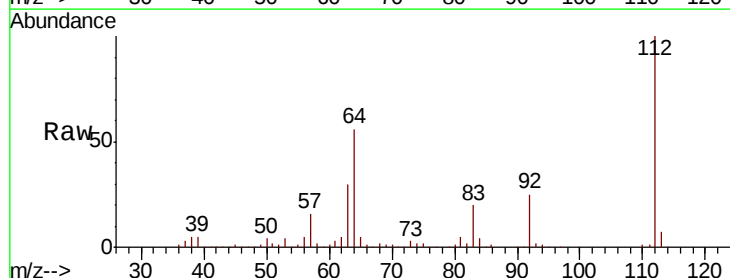
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 96.379 ng
 RT: 5.36 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: BF117509.D
 Acq: 24 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	44.1	66.1
63	30.1	23.4	35.2

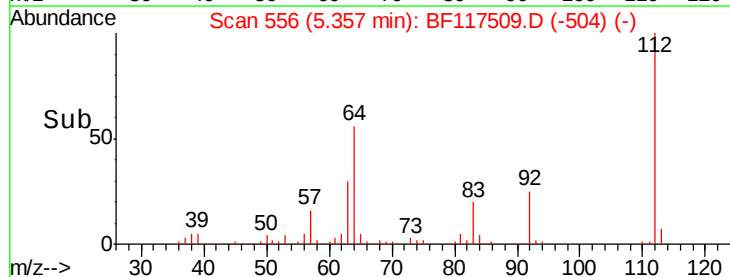
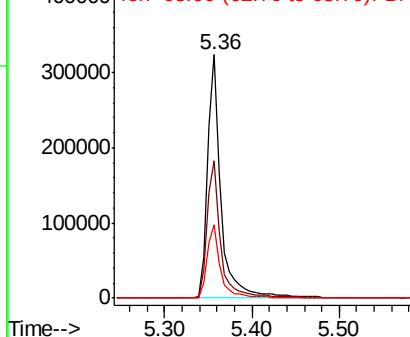


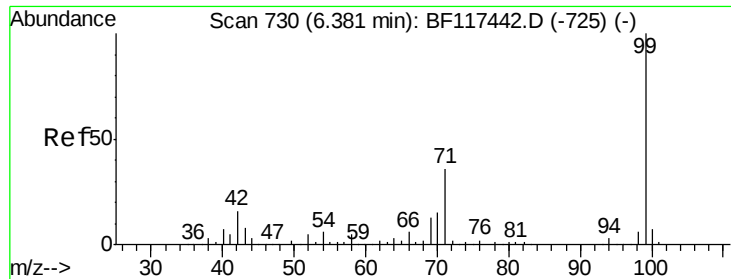
Abundance

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: 96.498 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

BNA_F

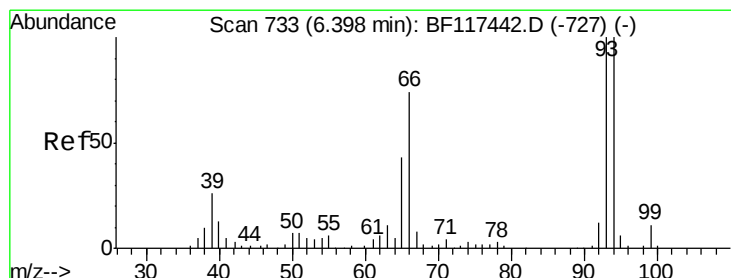
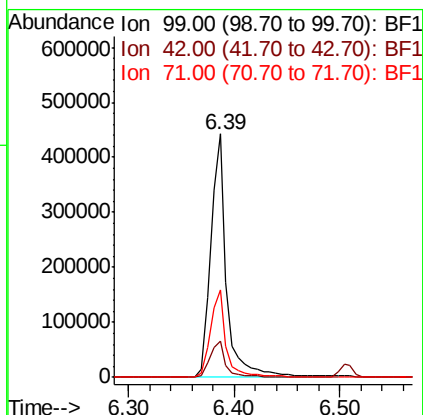
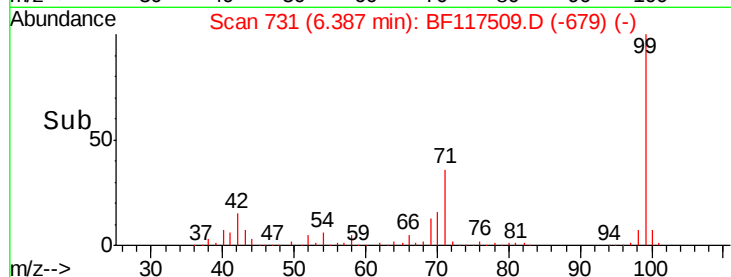
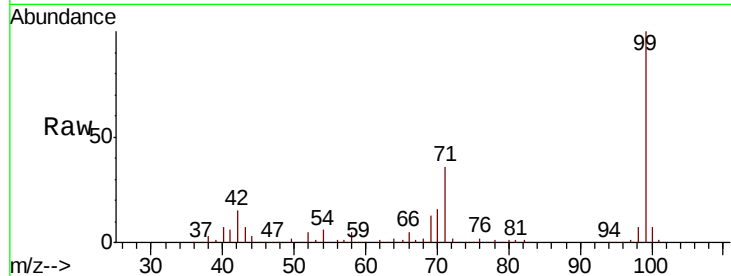
ClientSampled :

167-00-(0-1)

Tot Ion:	99	Resp:	468850
Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.8	19.2
71	36.1	28.6	43.0

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#10

Phenol

Concen: 2.588 ng

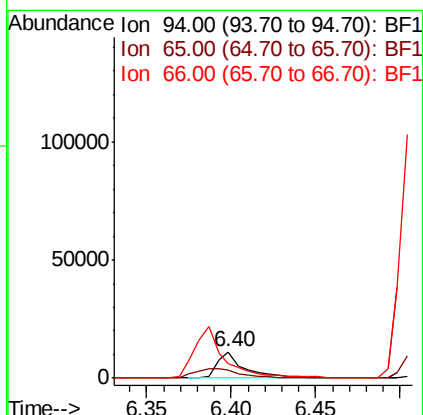
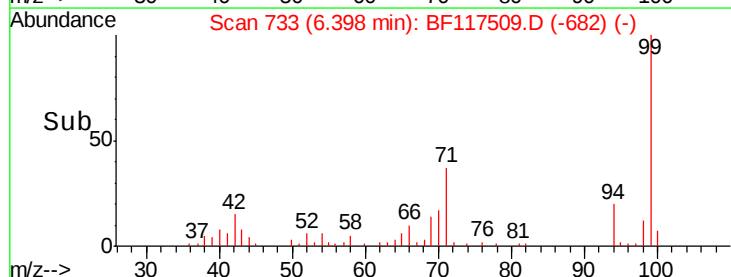
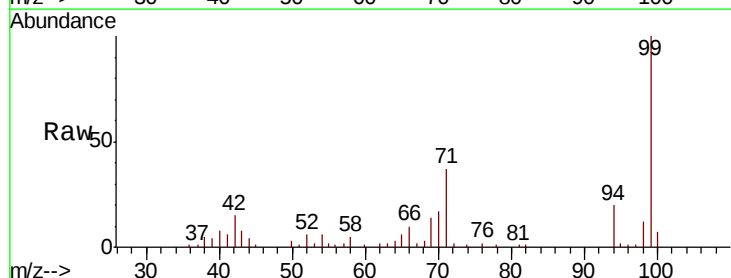
RT: 6.40 min Scan# 733

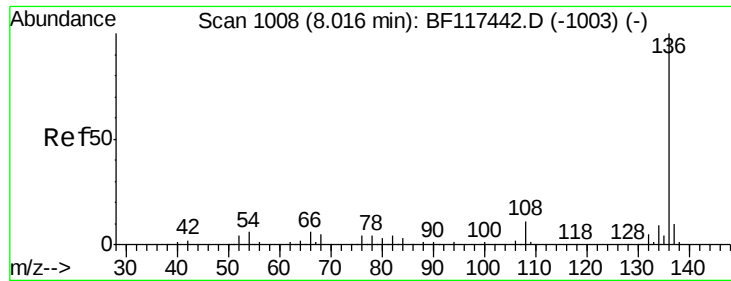
Delta R.T. 0.00 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Tgt Ion:	94	Resp:	12836
Ion	Ratio	Lower	Upper
94	100		
65	28.8	23.4	63.4
66	52.6	54.7	94.7#





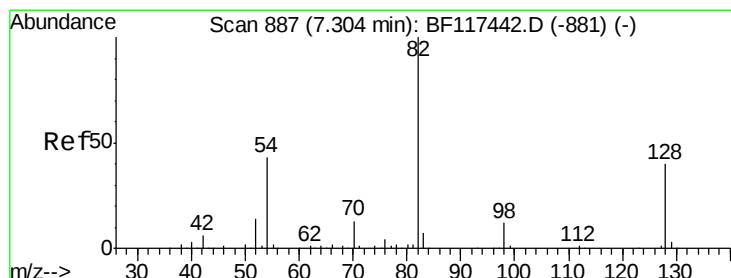
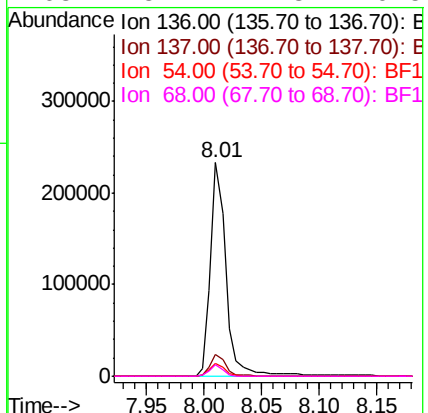
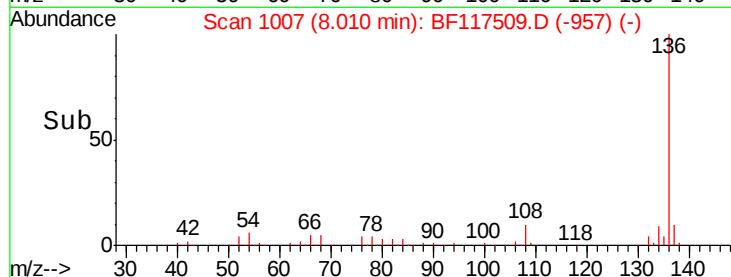
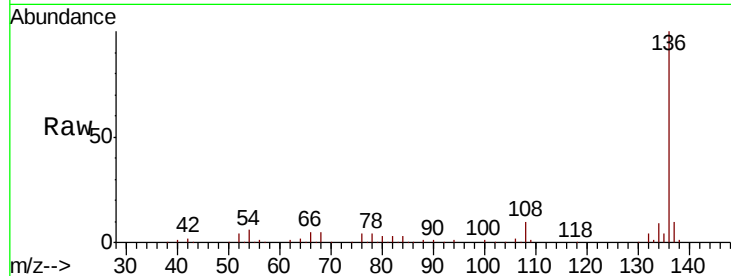
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	222287		
137	10.4	8.2	12.4	
54	6.1	4.5	6.7	
68	5.4	4.3	6.5	

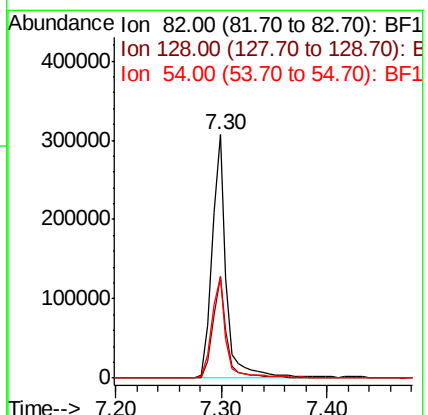
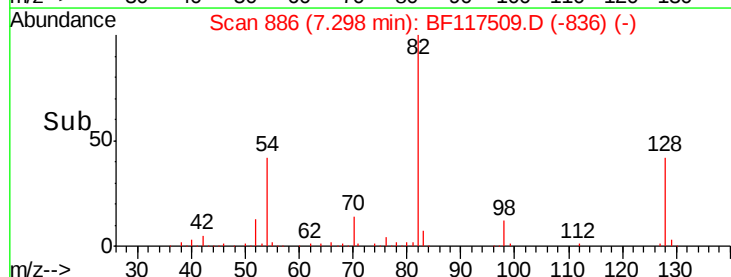
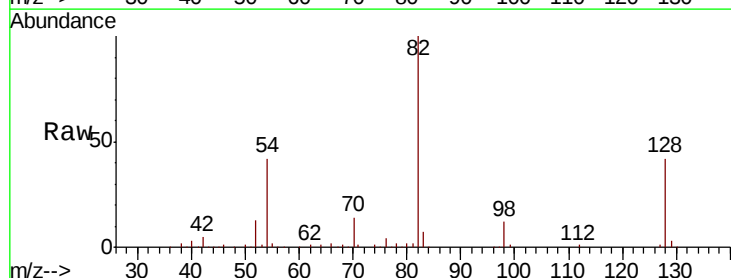
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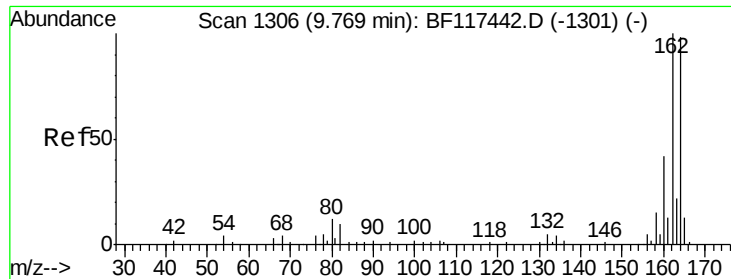
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#23
Nitrobenzene-d5
Concen: 65.342 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	294211		
128	41.6	32.2	48.2	
54	41.5	34.2	51.2	





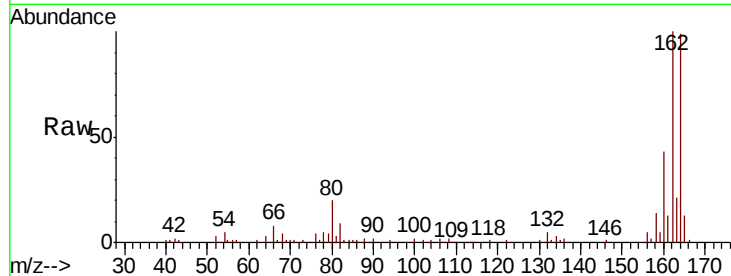
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

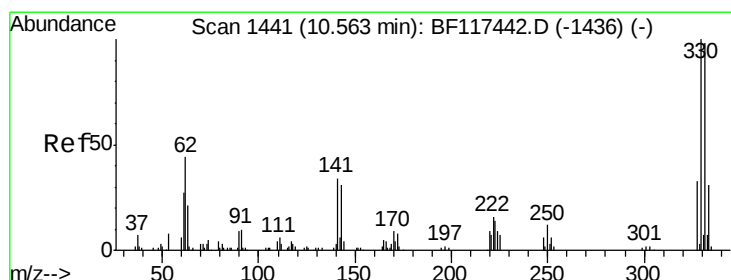
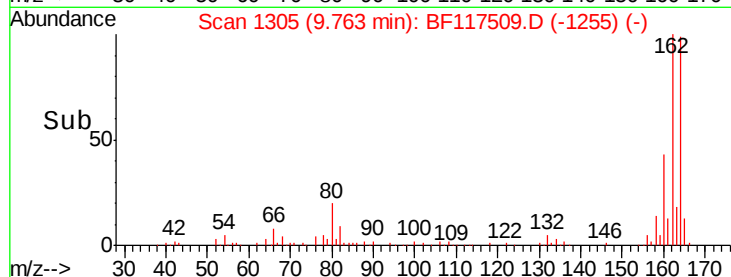
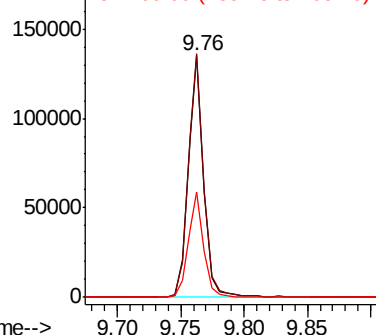
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.8	122.6
160	43.4	34.4	51.6

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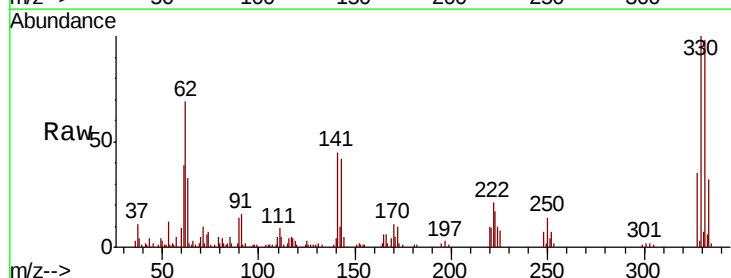


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

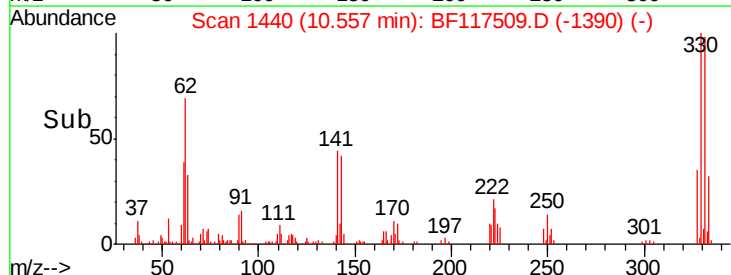
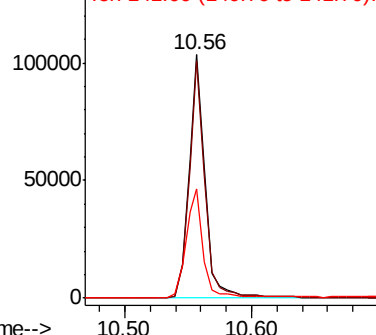


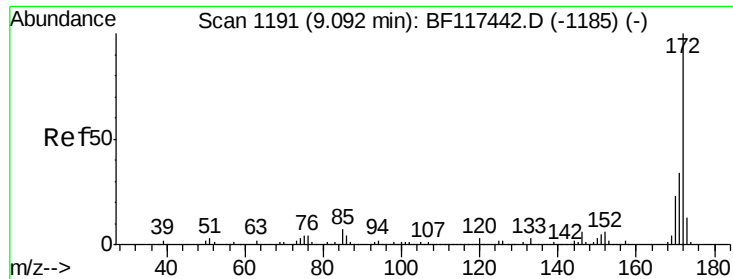
#42
2,4,6-Tribromophenol
Concen: 92.699 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.5	117.7
141	48.0	37.0	55.6



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





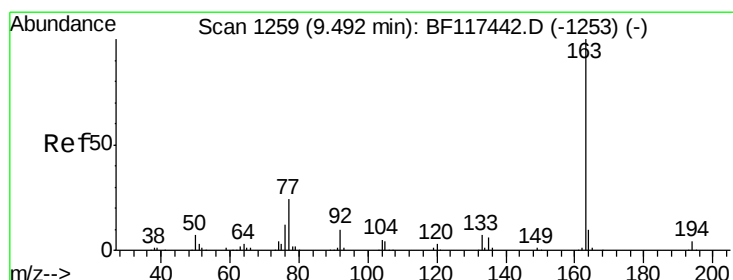
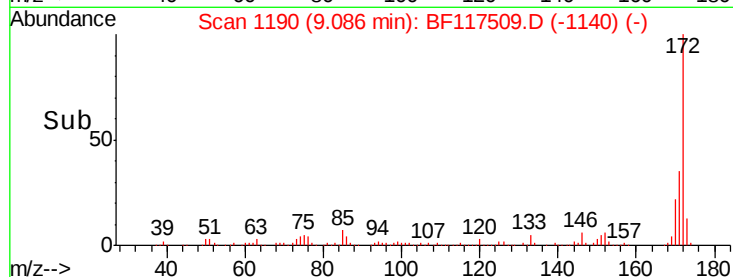
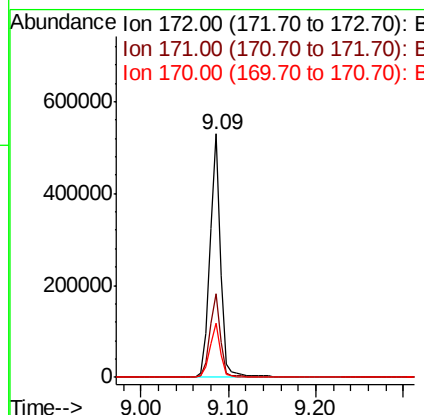
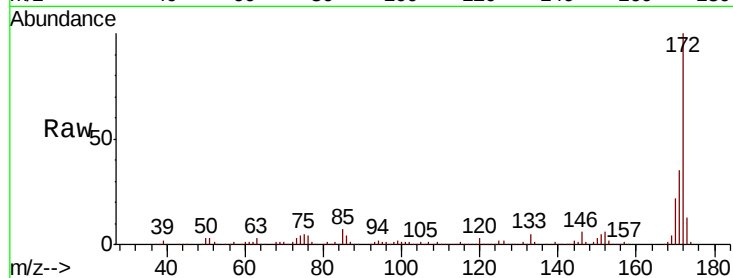
#45
2-Fluorobiphenyl
Concen: 54.707 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.5	41.3
170	22.5	18.6	27.8

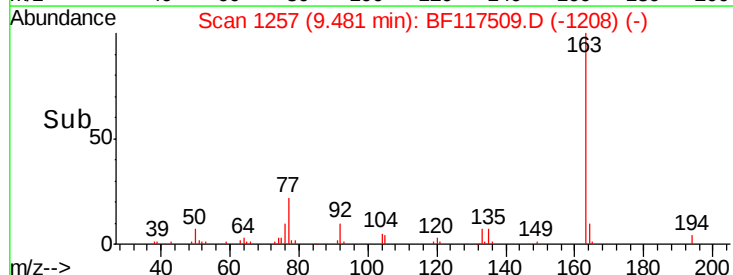
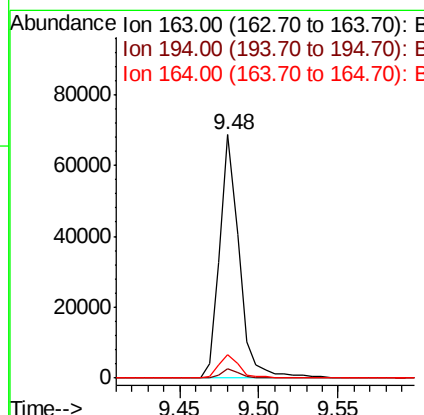
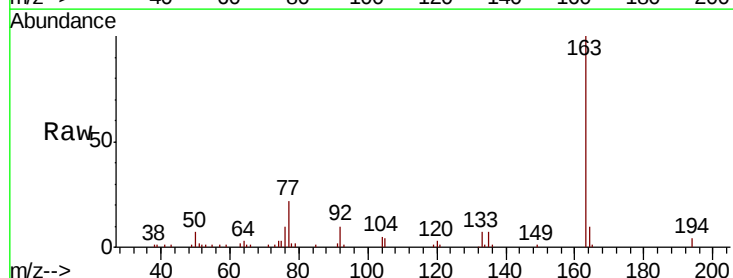
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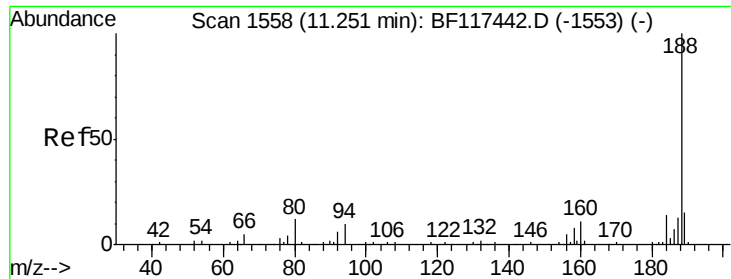
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#50
Dimethylphthalate
Concen: 7.170 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	9.7	8.2	12.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

BNA_F

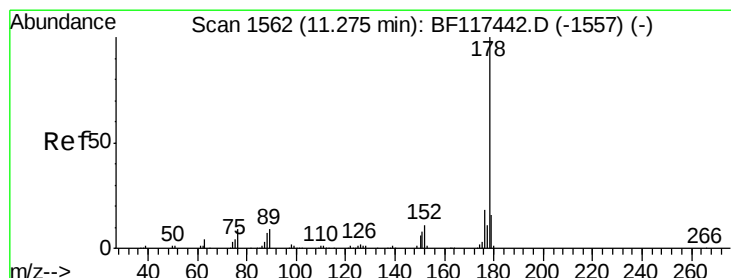
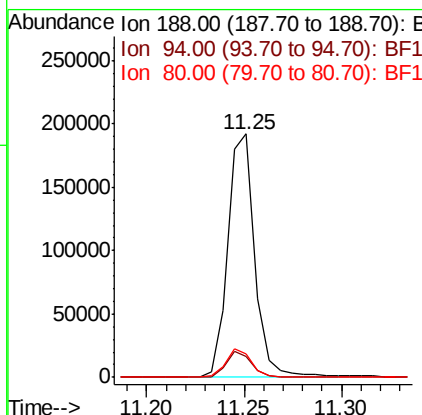
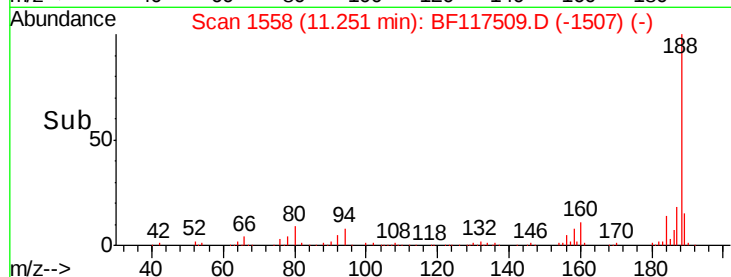
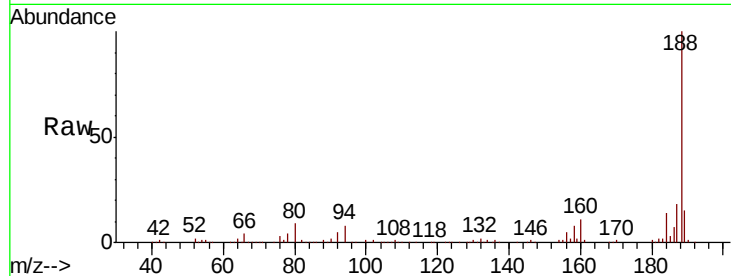
ClientSampleId :

167-00-(0-1)

Tot Ion:	188	Resp:	184428
Ion Ratio	Lower	Upper	
188	100		
94	8.3	8.0	12.0
80	9.5	9.5	14.3#

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#71

Phenanthrene

Concen: 4.207 ng

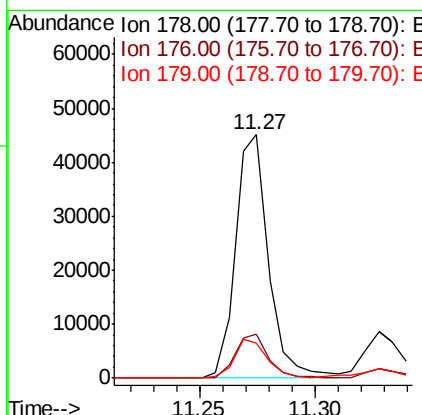
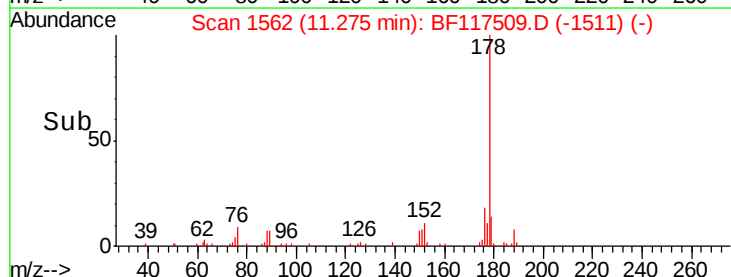
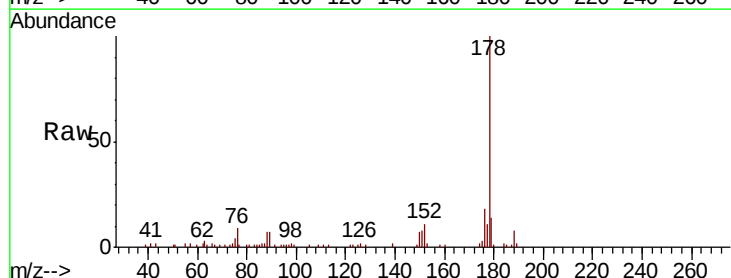
RT: 11.27 min Scan# 1562

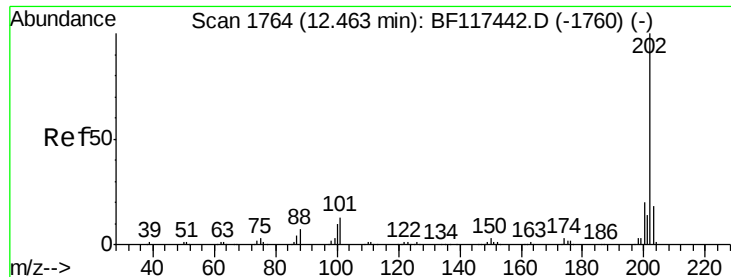
Delta R.T. 0.00 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Tgt Ion:	178	Resp:	45050
Ion Ratio	Lower	Upper	
178	100		
176	17.8	14.6	22.0
179	14.3	12.6	19.0





#75

Fluoranthene

Concen: 7.469 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

BNA_F

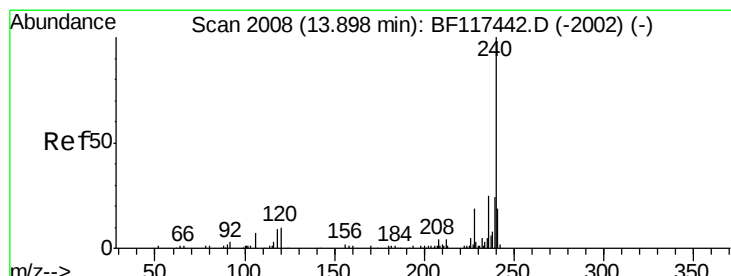
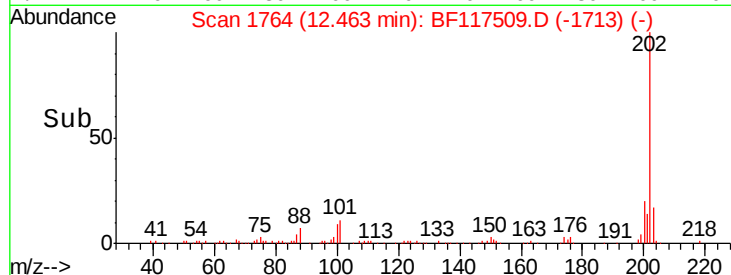
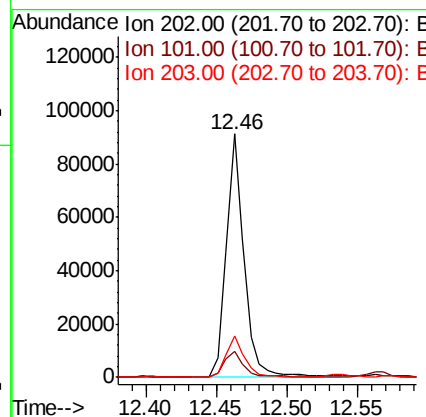
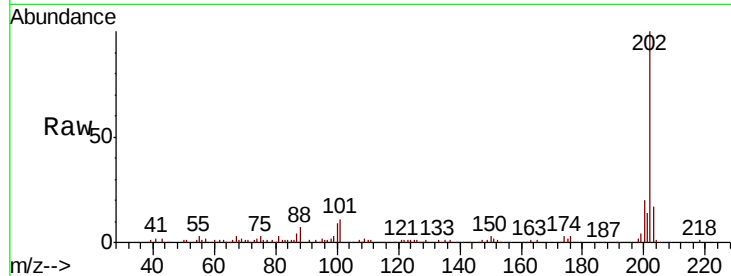
ClientSampleId :

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Tot Ion:	202	Resp:	80075
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	32.7
203	17.1	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

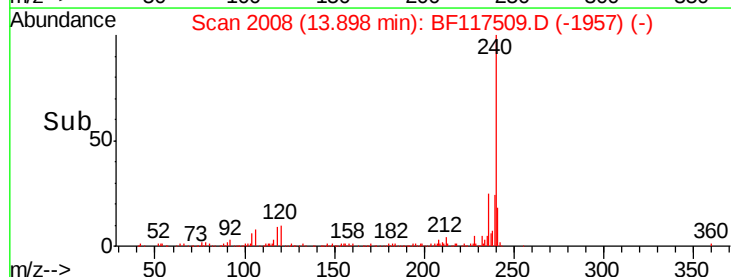
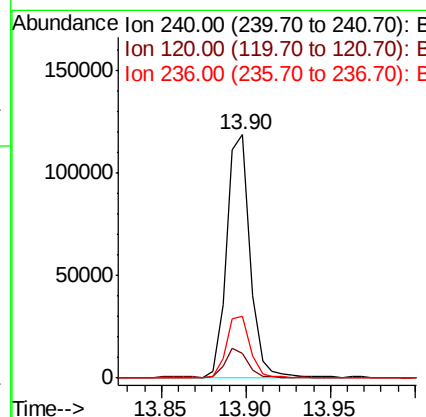
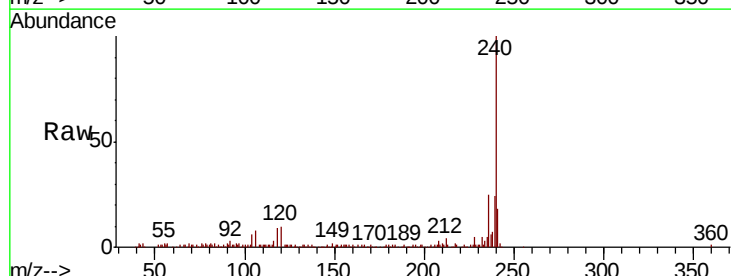
RT: 13.90 min Scan# 2008

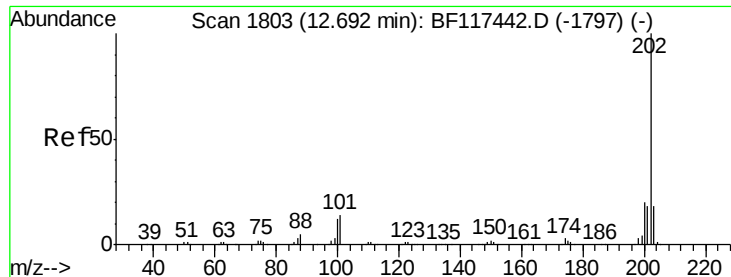
Delta R.T. 0.00 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Tgt Ion:	240	Resp:	115424
Ion Ratio	Lower	Upper	
240	100		
120	10.0	8.4	12.6
236	25.4	20.0	30.0





#78

Pvrene

Concen: 6.676 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

BNA_F

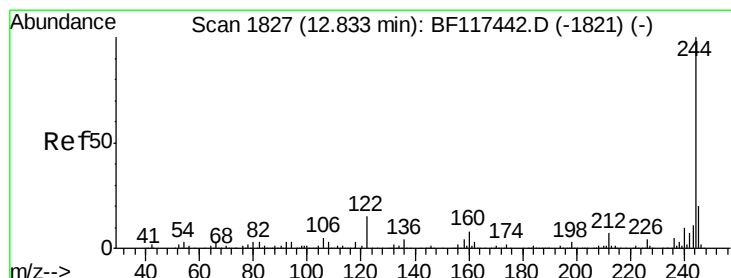
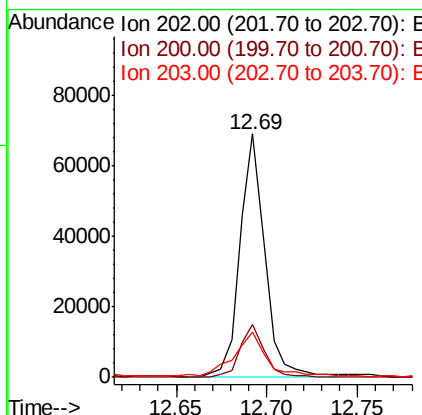
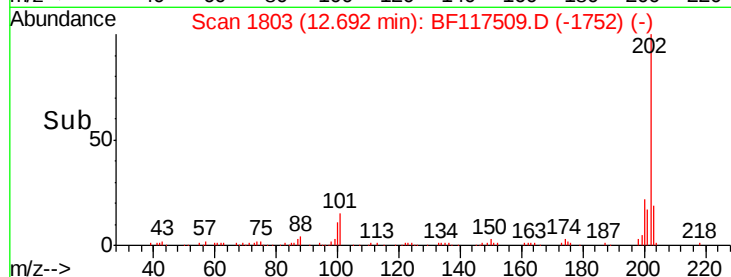
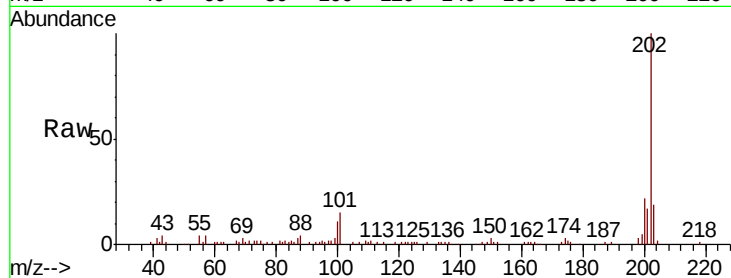
ClientSampleId :

167-00-(0-1)

Tot Ion:	202	Resp:	66188
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.2	24.2
203	18.7	14.0	21.0

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#79

Terphenyl-d14

Concen: 53.634 ng

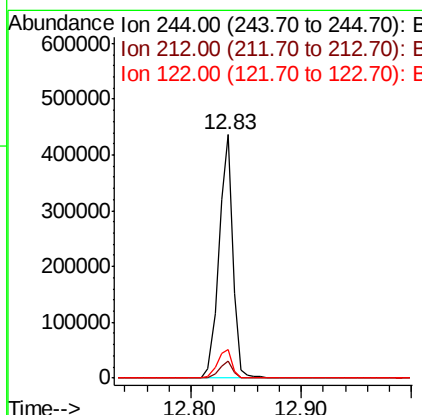
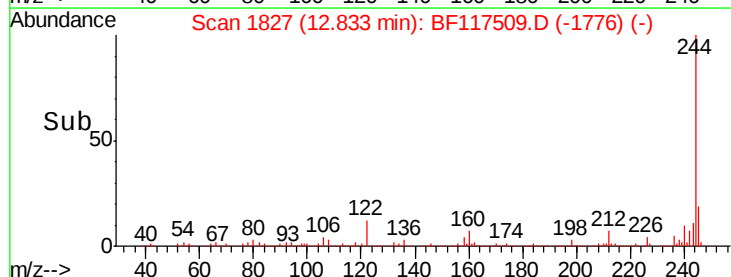
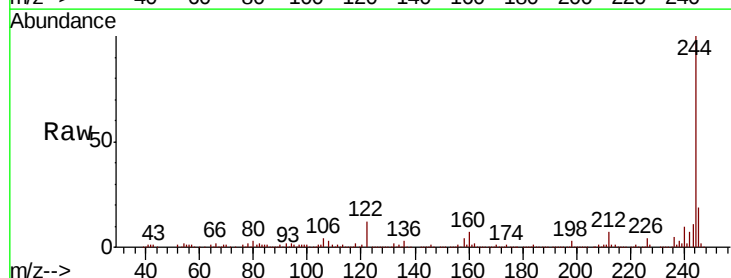
RT: 12.83 min Scan# 1827

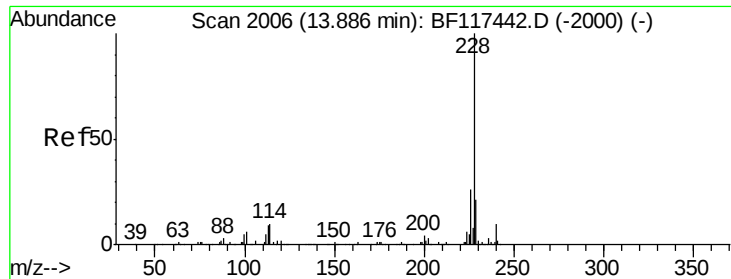
Delta R.T. 0.00 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Tgt Ion:	244	Resp:	379533
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.6
122	11.9	11.8	17.8





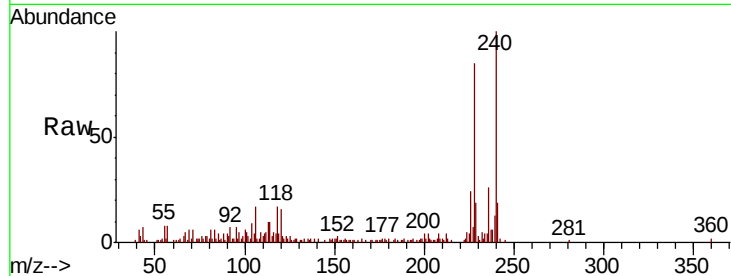
#81
Benzo(a)anthracene
Concen: 3.904 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.0	31.4
229	22.2	16.4	24.6

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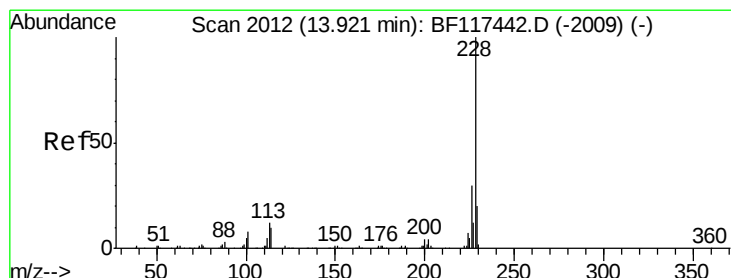
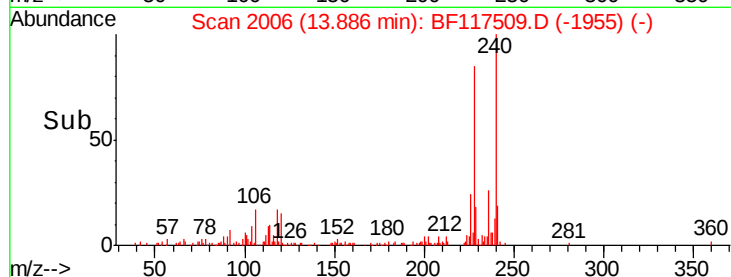
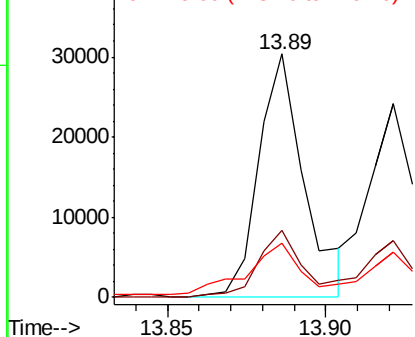


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 3.369 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

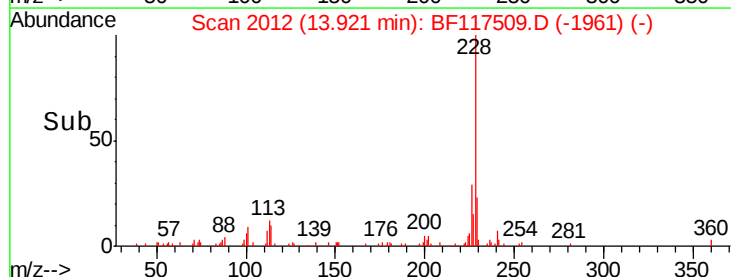
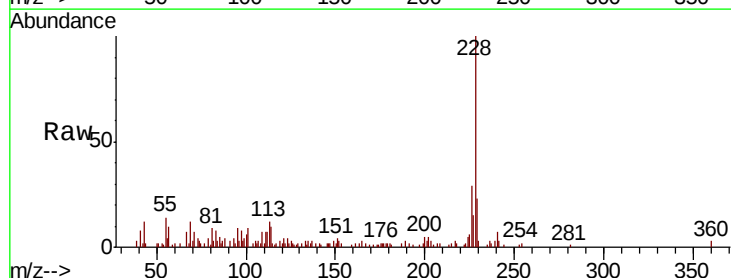
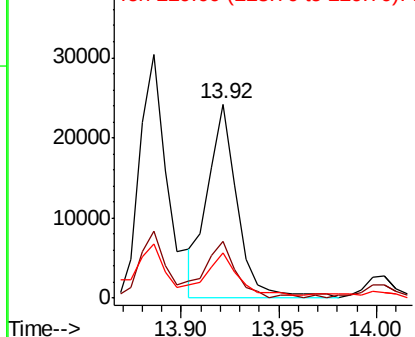
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.9	35.9
229	23.0	15.8	23.6

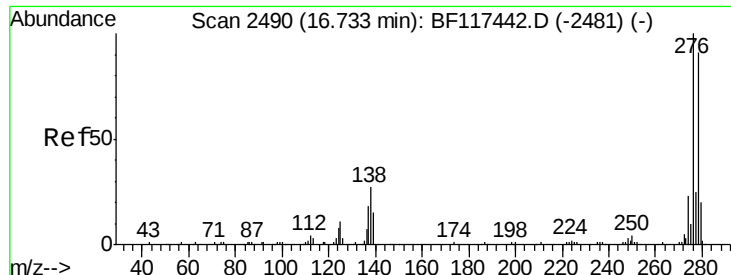
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.945 ng

RT: 16.75 min Scan# 2493

Delta R.T. 0.02 min

Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Instrument :

BNA_F

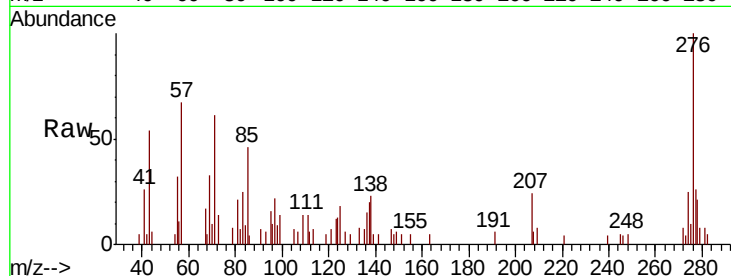
ClientSampleId :

167-00-(0-1)

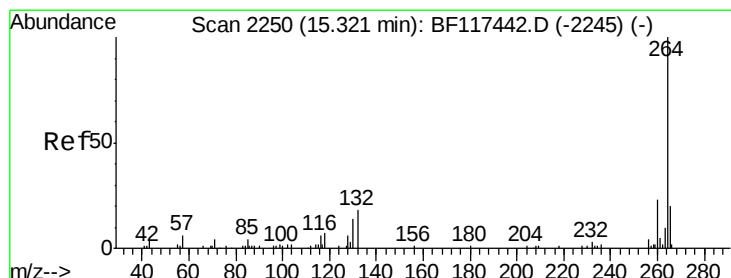
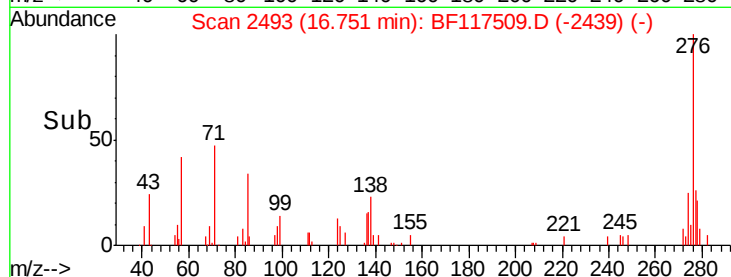
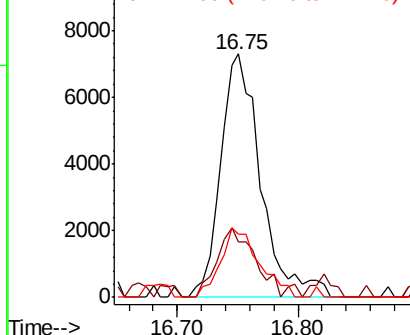
Tot Ion:	276	Resp:	16779
Ion Ratio	Lower	Upper	
276	100		
138	27.4	21.8	32.8
277	27.4	20.0	30.0

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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: 15.33 min Scan# 2251

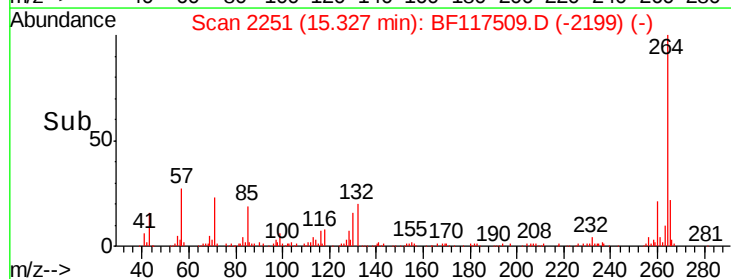
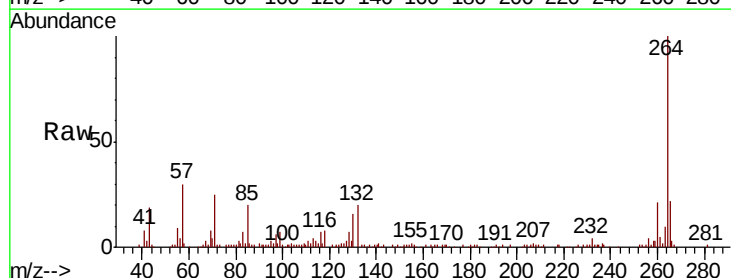
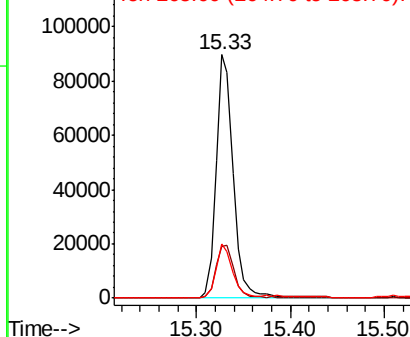
Delta R.T. 0.01 min

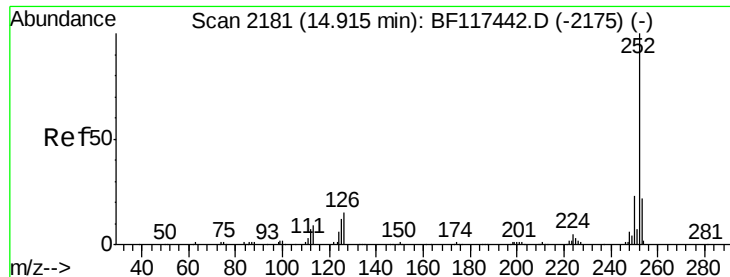
Lab File: BF117509.D

Acq: 24 Oct 2019 14:53

Tgt Ion:	264	Resp:	115128
Ion Ratio	Lower	Upper	
264	100		
260	21.1	18.4	27.6
265	22.3	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





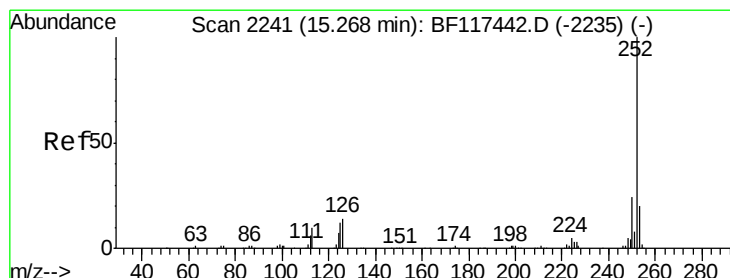
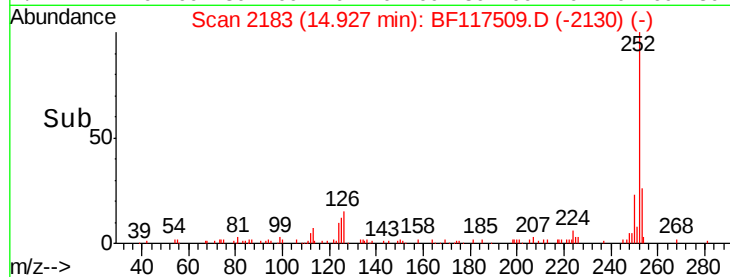
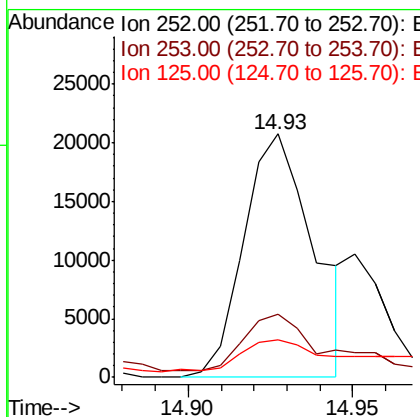
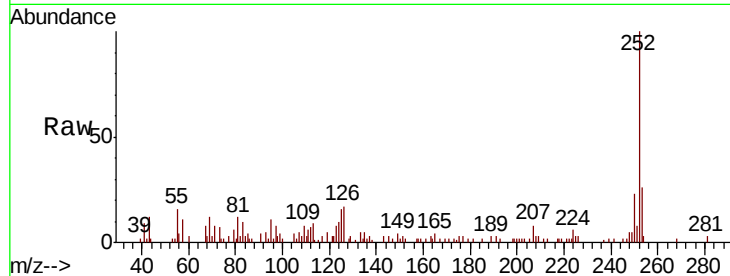
#88
Benzo(b)fluoranthene
Concen: 4.540 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Instrument :
BNA_F
ClientSampleId :
167-00-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.8	26.6
125	15.7	9.9	14.9

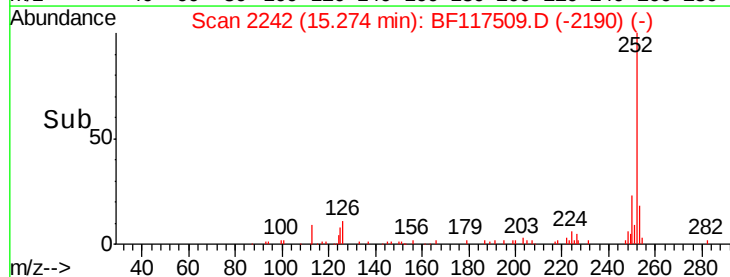
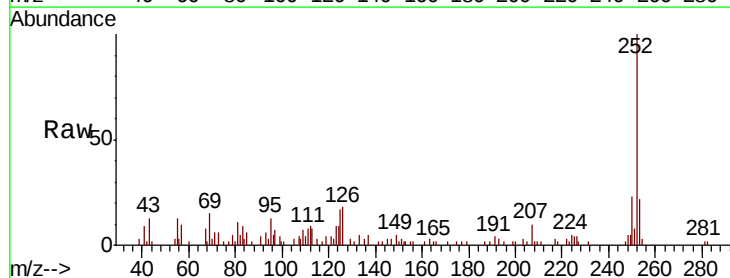
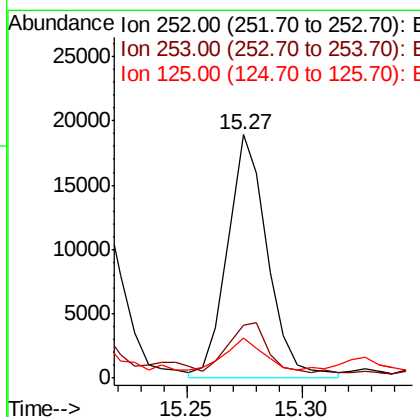
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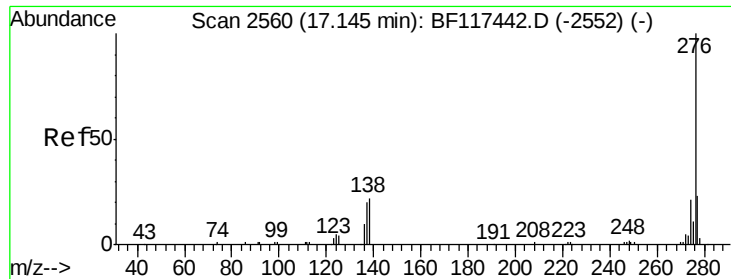
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#90
Benzo(a)pyrene
Concen: 3.718 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117509.D
Acq: 24 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	16.3	24.5
125	16.6	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 3.239 ng
 RT: 17.17 min Scan# 2565
 Delta R.T. 0.03 min
 Lab File: BF117509.D
 Acq: 24 Oct 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :
 167-00-(0-1)

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	23.1	18.4	27.6	
138	33.1	17.8	26.6	

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