

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
 Data File : BF118543.D
 Acq On : 13 Jan 2020 21:06
 Operator : JU
 Sample : L1103-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-15(2-3.5)

Manual Integrations
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Quant Time: Jan 15 12:06:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 16:06:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	129911	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	486228	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	227171	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	379258	20.00	ng	-0.03
76) Chrysene-d12	14.00	240	333954	20.00	ng	-0.04
87) Perylene-d12	15.49	264	374254	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	536325	68.15	ng	0.00
7) Phenol-d6	6.46	99	851008	90.45	ng	-0.02
23) Nitrobenzene-d5	7.38	82	476438	51.47	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	286854	107.01	ng	-0.02
45) 2-Fluorobiphenyl	9.18	172	1114334	70.35	ng	-0.02
79) Terphenyl-d14	12.94	244	1247975	59.22	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.47	94	21377	2.050	ng	# 65
49) Acenaphthylene	9.72	152	69289	3.168	ng	97
50) Dimethylphthalate	9.57	163	113764	6.525	ng	99
58) Fluorene	10.41	166	42699	2.648	ng	98
71) Phenanthrene	11.37	178	273431	12.870	ng	100
72) Anthracene	11.43	178	83042	3.929	ng	98
75) Fluoranthene	12.57	202	370135	17.141	ng	99
78) Pyrene	12.80	202	379705	13.819	ng	99
81) Benzo(a)anthracene	14.00	228	233295m	9.981	ng	
83) Chrysene	14.03	228	215148	9.472	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	124085	6.785	ng	96
88) Benzo(b)fluoranthene	15.05	252	302902m	11.195	ng	
89) Benzo(k)fluoranthene	15.08	252	113276m	4.386	ng	
90) Benzo(a)pyrene	15.42	252	225212	10.157	ng	99
92) Benzo(a,h,i)perylene	17.43	276	129716	6.584	ng	98

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

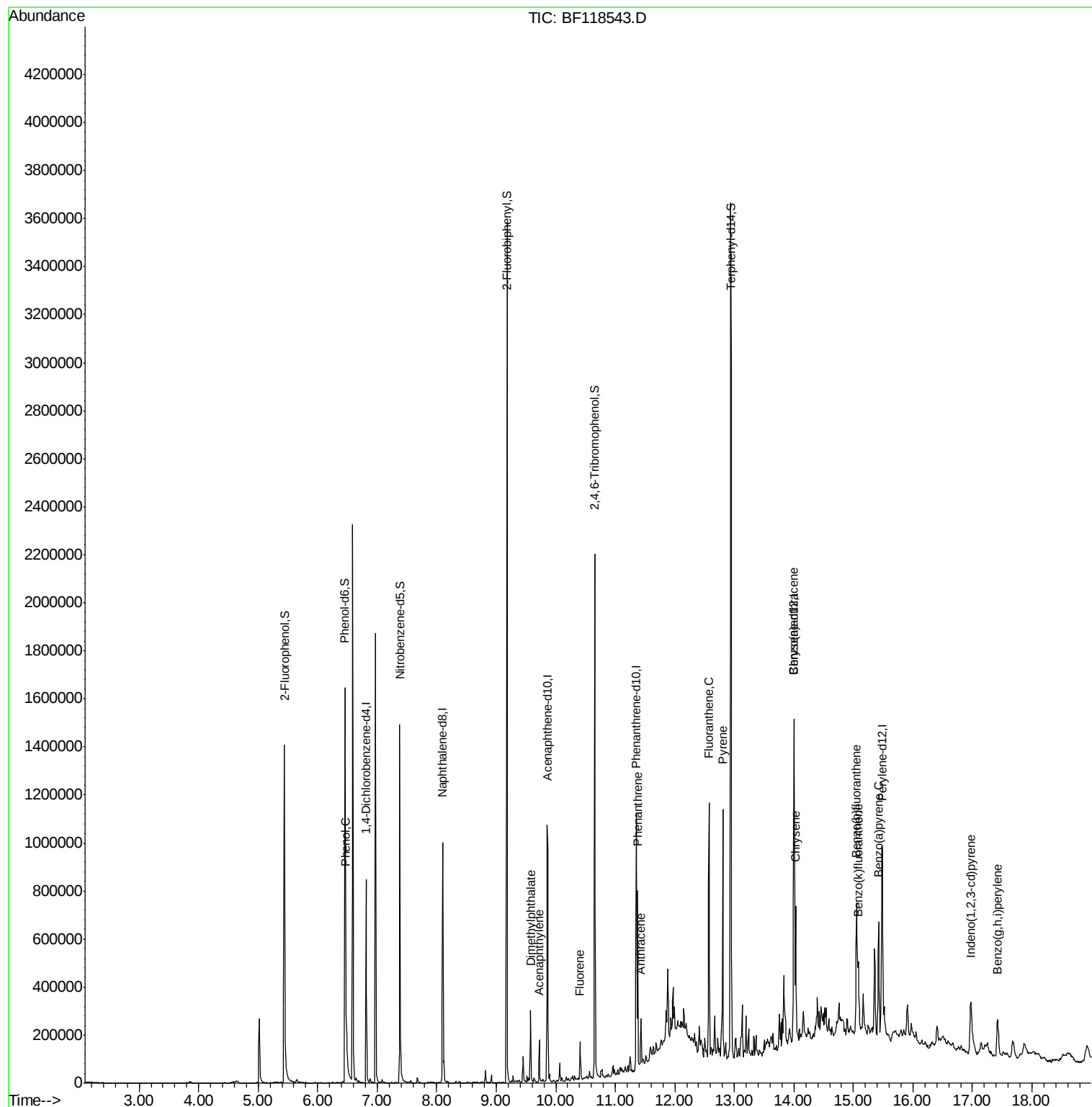
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118543.D
Acq On : 13 Jan 2020 21:06
Operator : JU
Sample : L1103-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

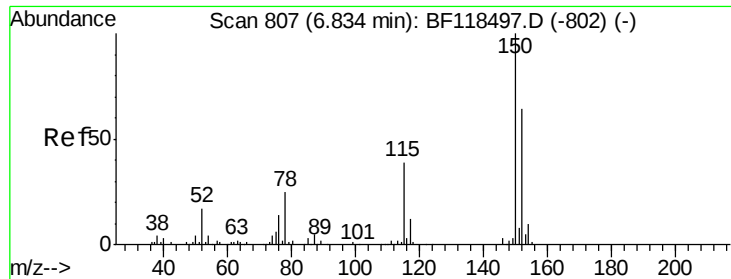
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Quant Time: Jan 15 12:06:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 16:06:11 2020
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#1

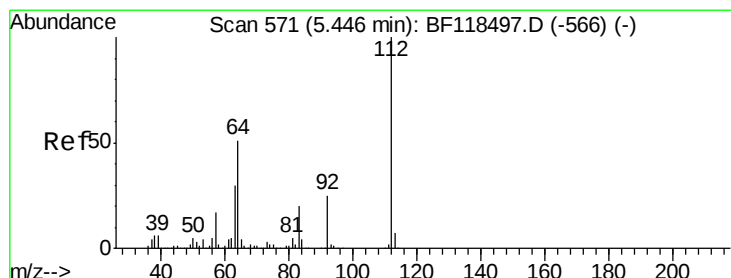
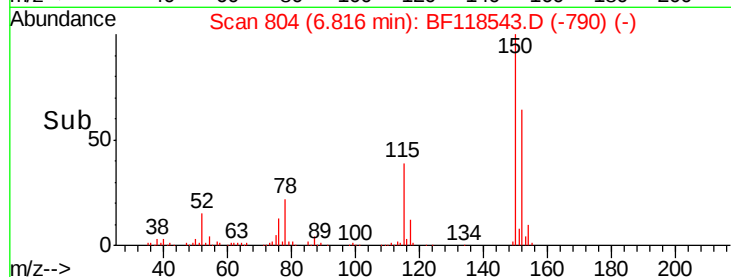
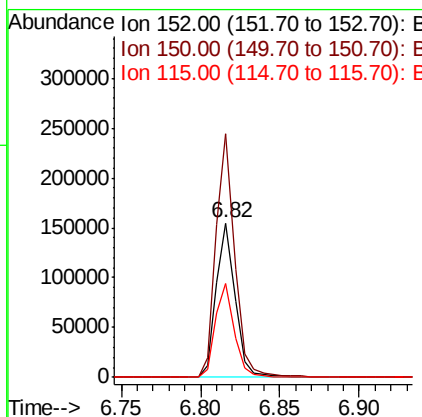
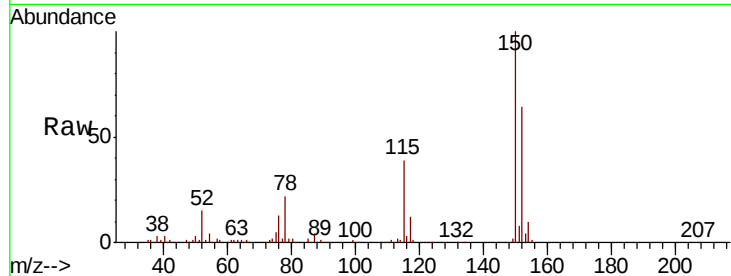
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF118543.D
Acq: 13 Jan 2020 21:06

Instrument :
BNA_F
ClientSampleId :
SB-15(2-3.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.7	187.1
115	60.9	49.0	73.6

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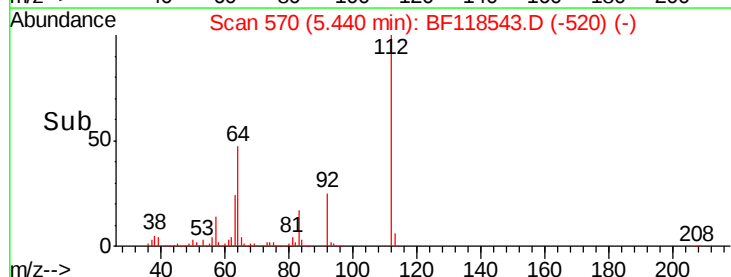
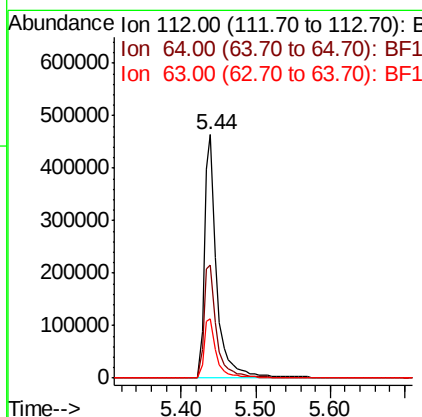
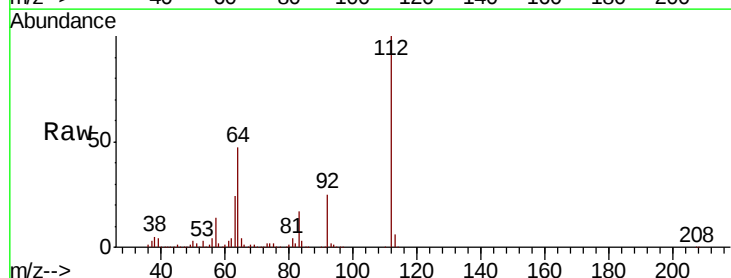
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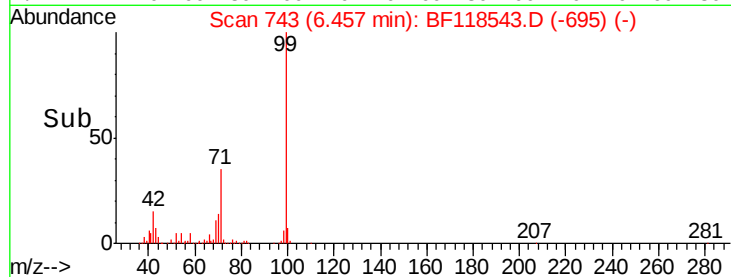
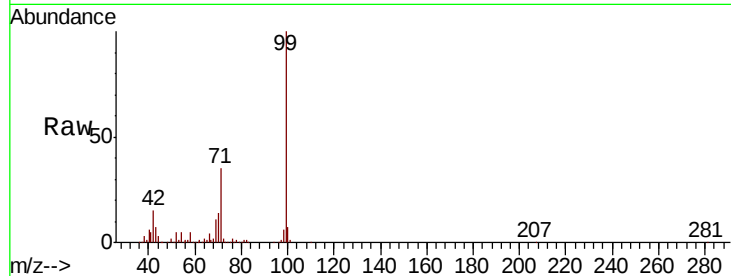
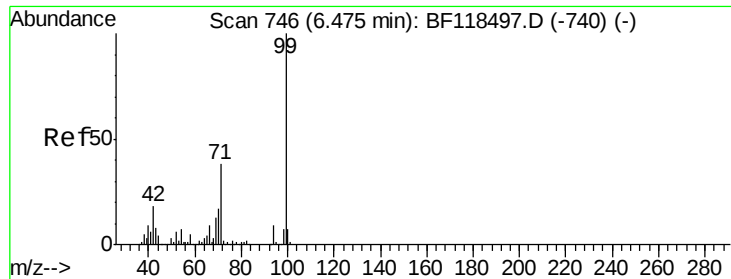


#5

2-Fluorophenol
Concen: 68.150 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF118543.D
Acq: 13 Jan 2020 21:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.5	41.1	61.7
63	24.2	24.1	36.1





#7

Phenol-d6

Concen: 90.448 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF118543.D

Acq: 13 Jan 2020 21:06

Tot Ion:	99	Resp:	851008
Ion Ratio	Lower	Upper	
99	100		
42	14.6	14.5	21.7
71	34.6	30.6	45.8

Instrument :

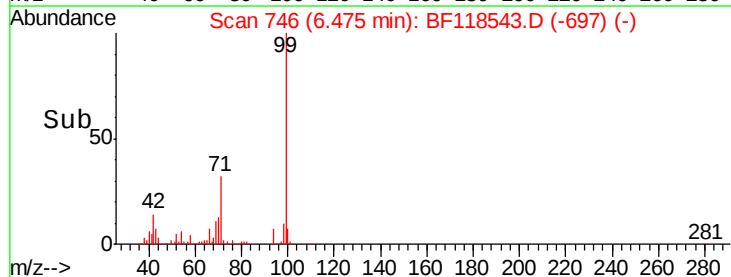
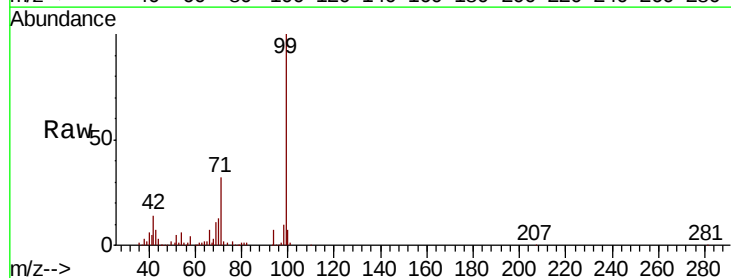
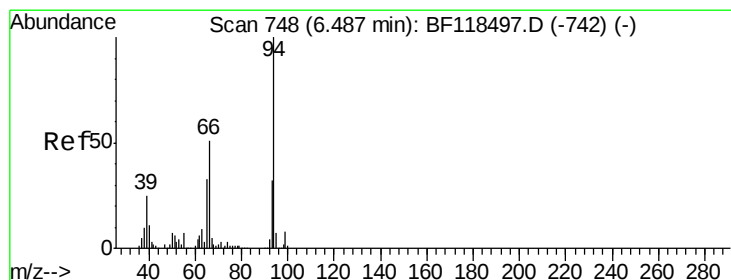
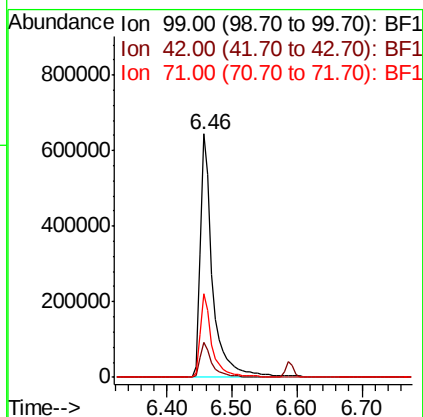
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 2.050 ng

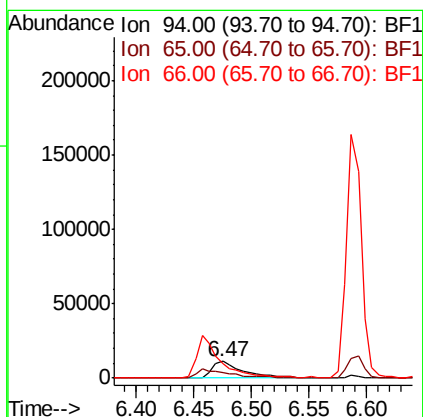
RT: 6.47 min Scan# 746

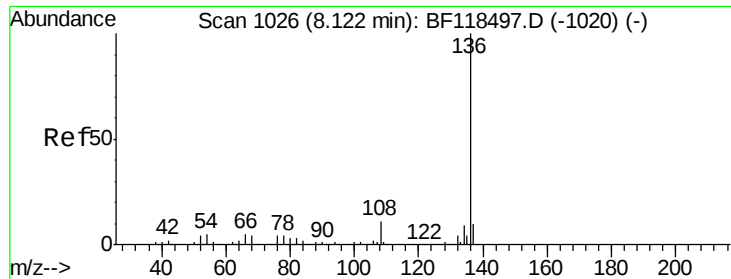
Delta R.T. -0.01 min

Lab File: BF118543.D

Acq: 13 Jan 2020 21:06

Tgt Ion:	94	Resp:	21377
Ion Ratio	Lower	Upper	
94	100		
65	32.9	13.3	53.3
66	90.9	30.9	70.9#





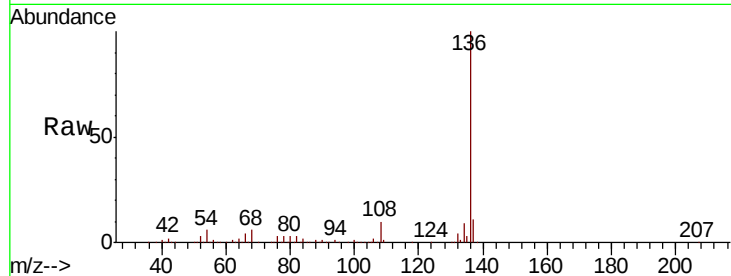
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.02 min
Lab File: BF118543.D
Acq: 13 Jan 2020 21:06

Instrument :
BNA_F
ClientSampleId :
SB-15(2-3.5)

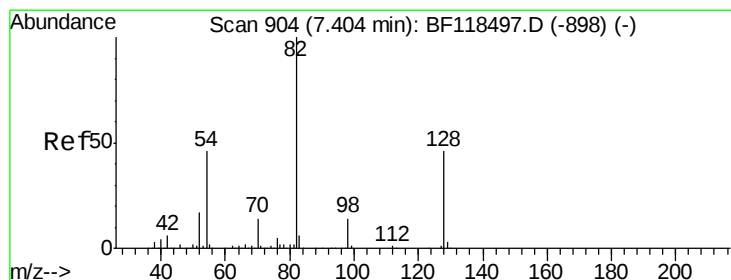
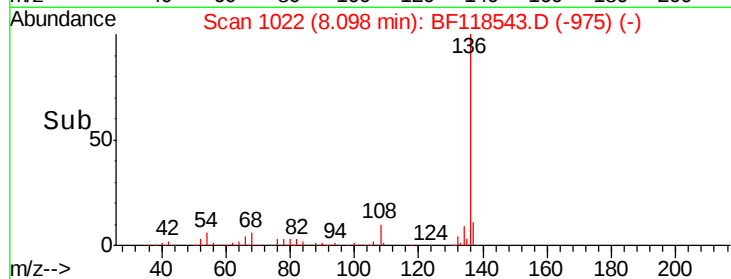
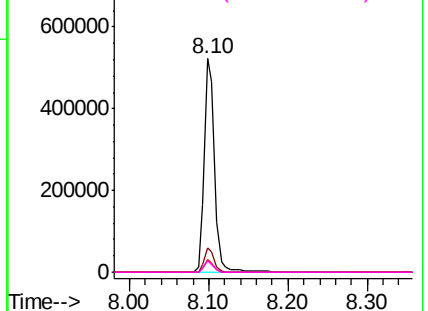
Tot Ion	Ratio	Resp	Lower	Upper
136	100	486228		
137	11.1	8.3	12.5	
54	5.7	4.2	6.2	
68	5.7	3.3	4.9	

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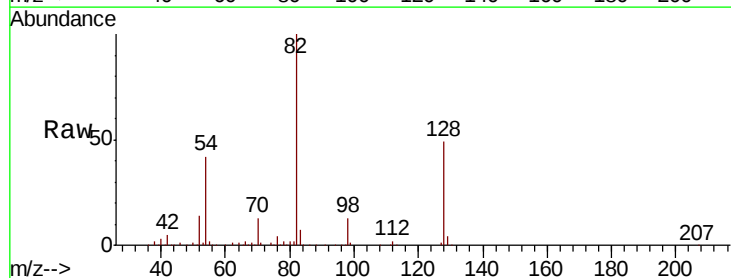


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

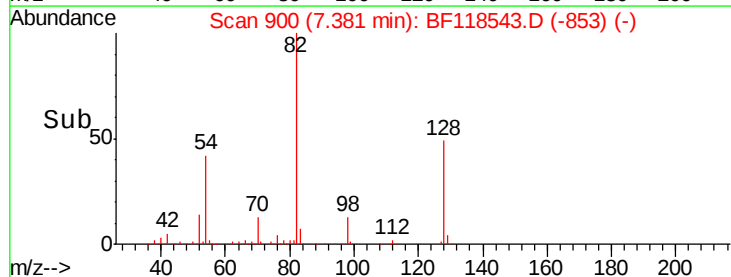
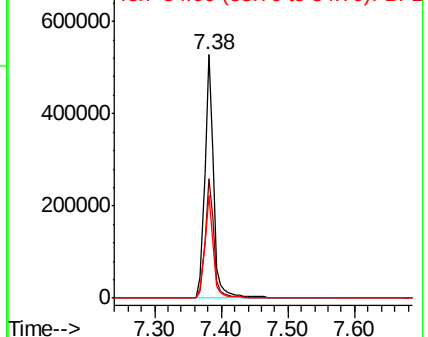


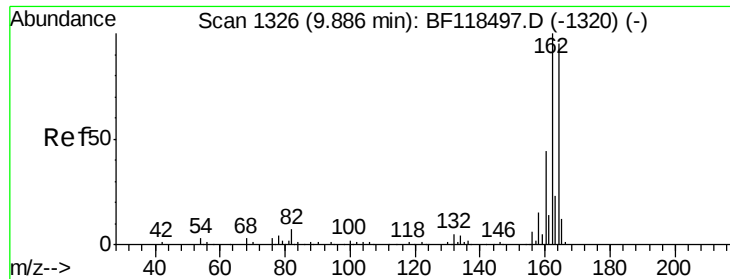
#23
Nitrobenzene-d5
Concen: 51.474 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF118543.D
Acq: 13 Jan 2020 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	476438		
128	49.0	36.6	54.8	
54	42.5	37.0	55.6	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





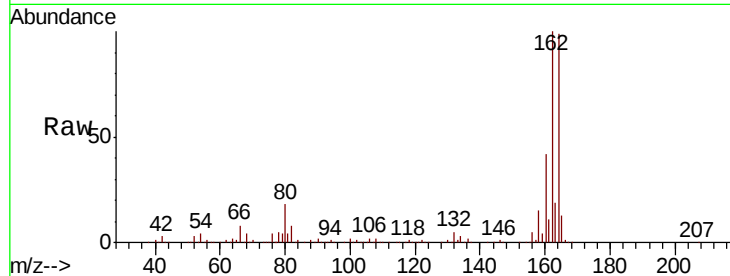
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.03 min
Lab File: BF118543.D
Acq: 13 Jan 2020 21:06

Instrument :
BNA_F
ClientSampleId :
SB-15(2-3.5)

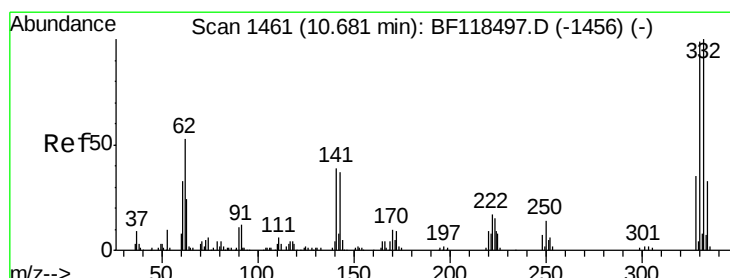
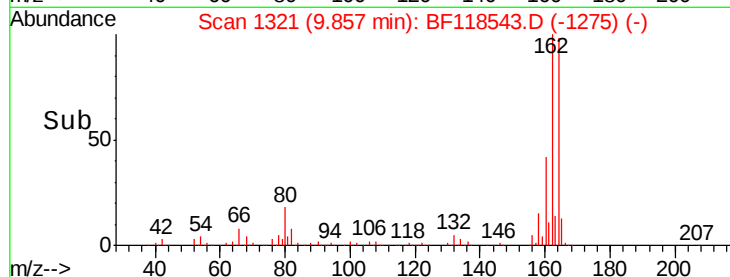
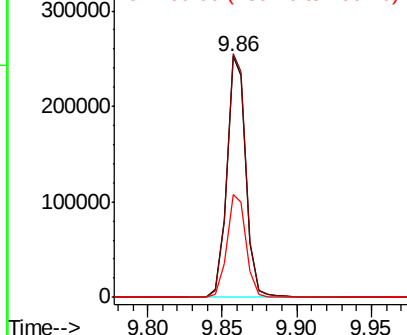
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.3	84.2	126.4	
160	42.5	36.8	55.2	

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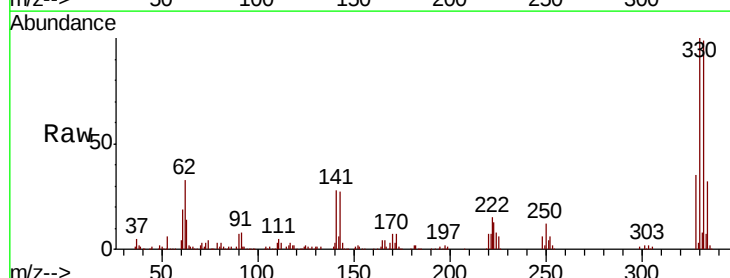


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

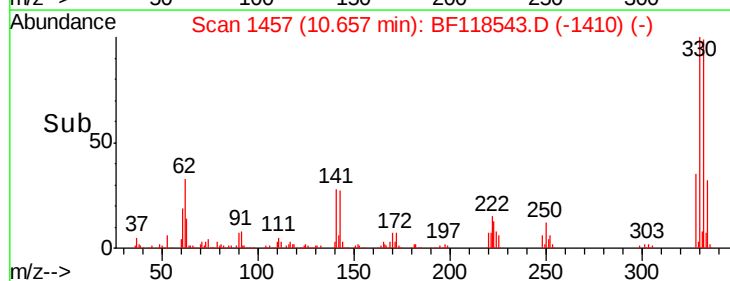
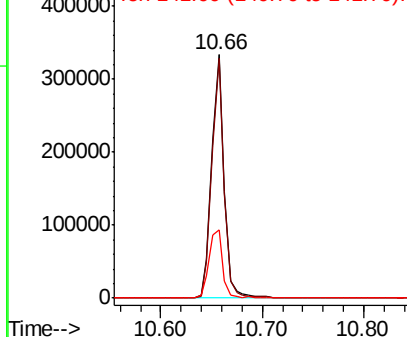


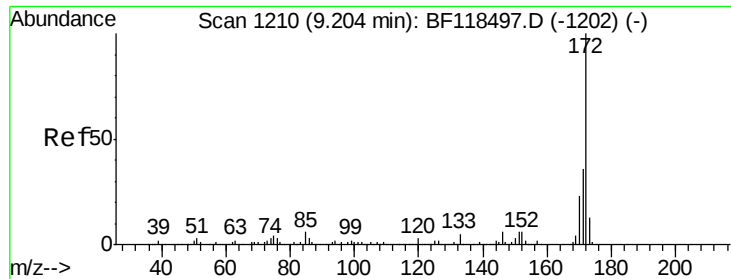
#42
2,4,6-Tribromophenol
Concen: 107.012 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BF118543.D
Acq: 13 Jan 2020 21:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	77.9	116.9	
141	31.1	28.6	43.0	



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





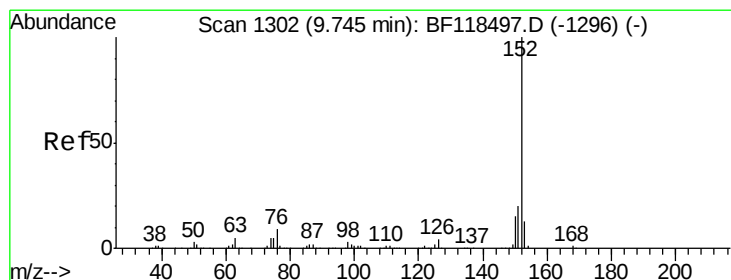
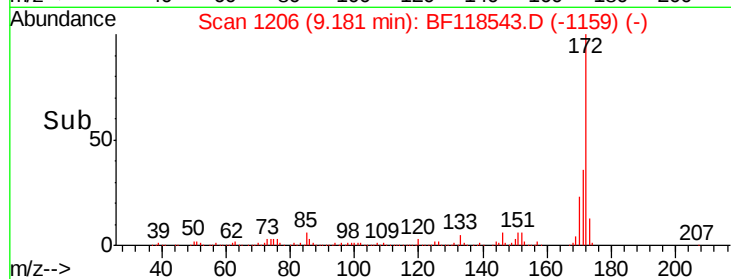
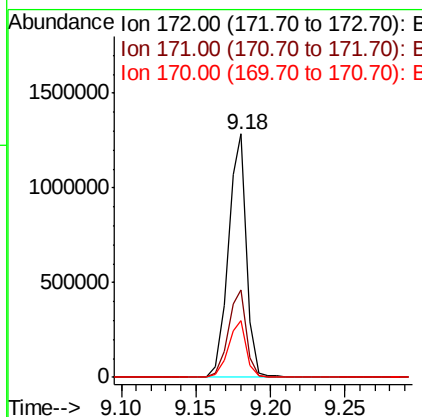
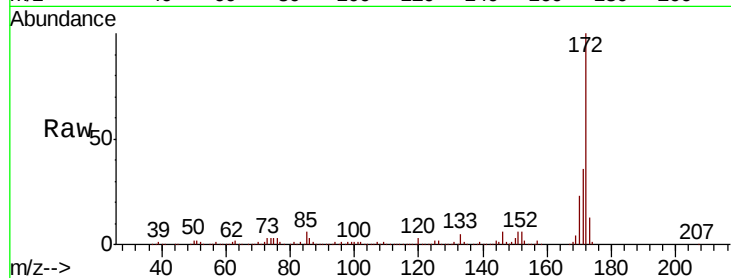
#45
2-Fluorobiphenyl
Concen: 70.351 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF118543.D
Acq: 13 Jan 2020 21:06

Instrument :
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ClientSampleId :
SB-15(2-3.5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	42.8
170	23.3	18.6	27.8

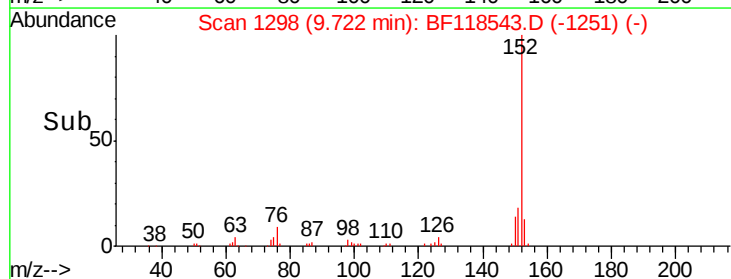
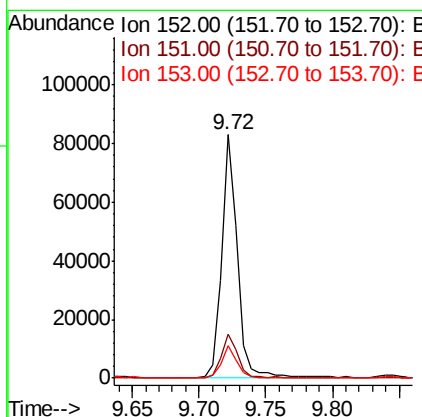
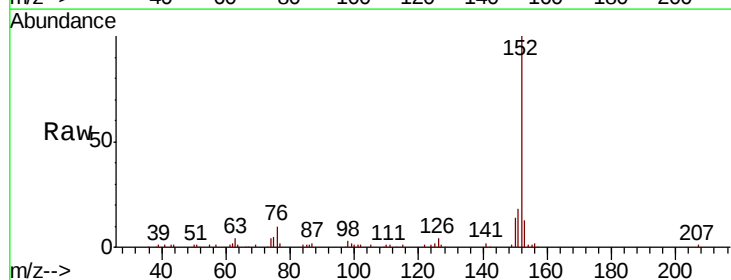
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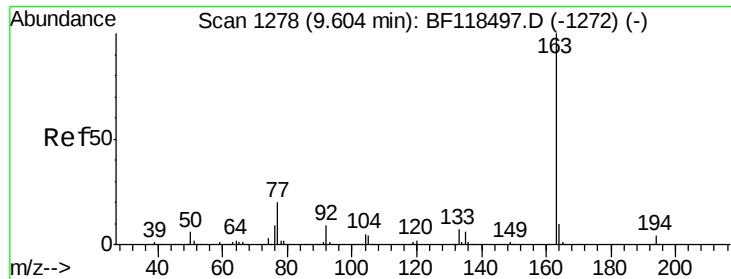
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#49
Acenaphthylene
Concen: 3.168 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF118543.D
Acq: 13 Jan 2020 21:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.1	16.3	24.5
153	13.2	10.6	16.0





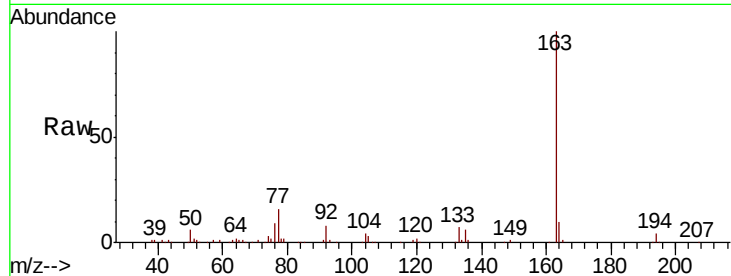
#50
Dimethylphthalate
Concen: 6.525 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.03 min
Lab File: BF118543.D
Acq: 13 Jan 2020 21:06

Instrument :
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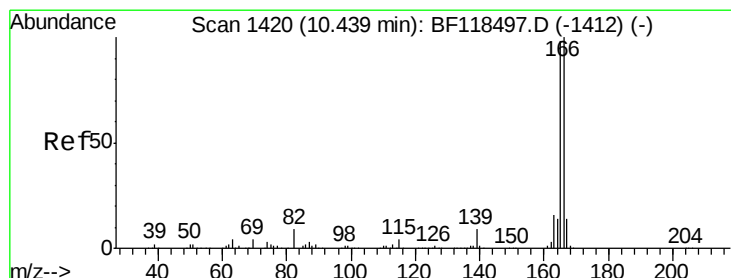
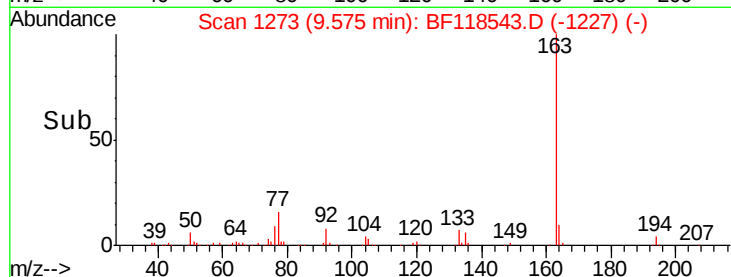
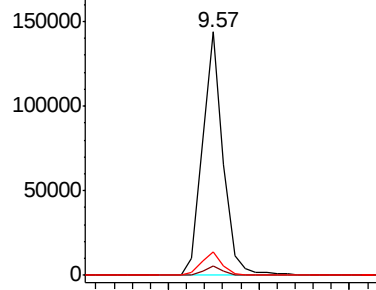
Tot Ion:	163	Resp:	113764
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.0	4.6
164	9.5	8.1	12.1

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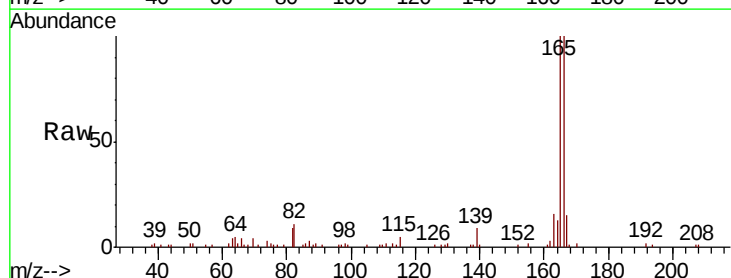


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

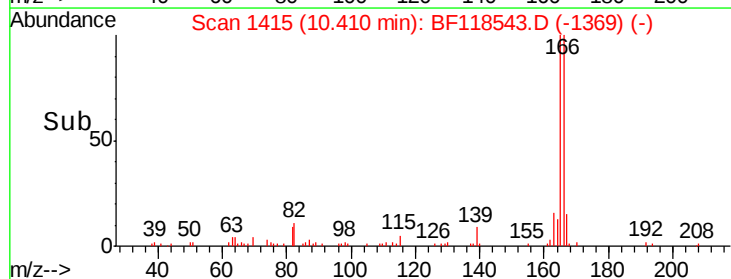
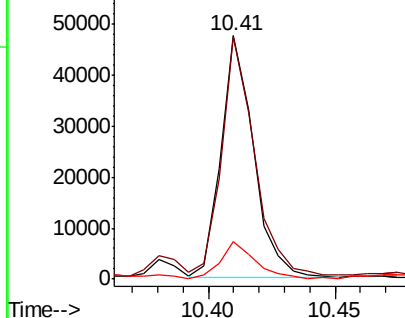


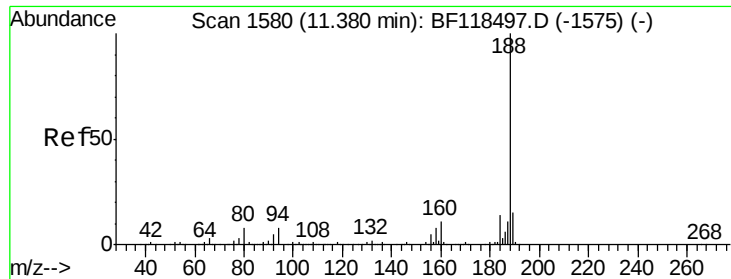
#58
Fluorene
Concen: 2.648 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.03 min
Lab File: BF118543.D
Acq: 13 Jan 2020 21:06

Tgt Ion:	166	Resp:	42699
Ion Ratio	Lower	Upper	
166	100		
165	99.5	78.6	117.8
167	15.3	10.8	16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.03 min

Lab File: BF118543.D

Acq: 13 Jan 2020 21:06

Instrument :

BNA_F

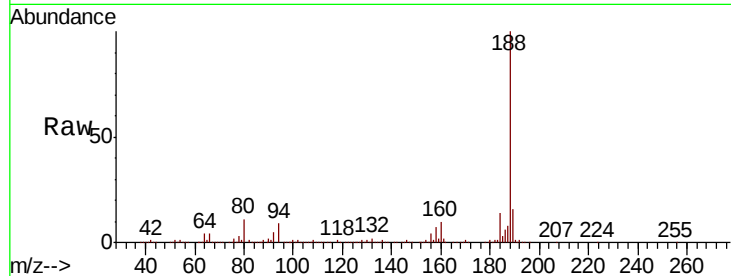
ClientSampleId :

SB-15(2-3.5)

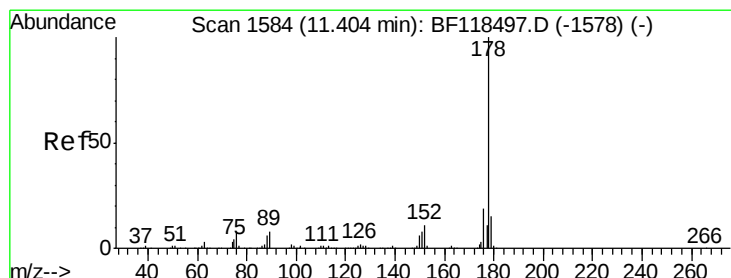
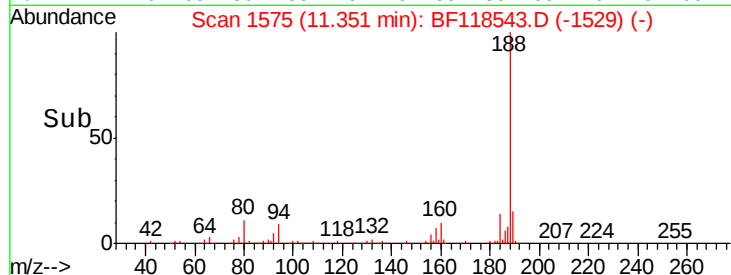
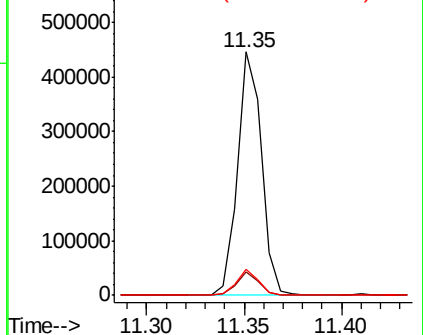
Tot Ion:	188	Resp:	379258
Ion Ratio	Lower	Upper	
188	100		
94	9.5	6.2	9.4#
80	10.5	6.6	10.0#

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



#71

Phenanthrene

Concen: 12.870 ng

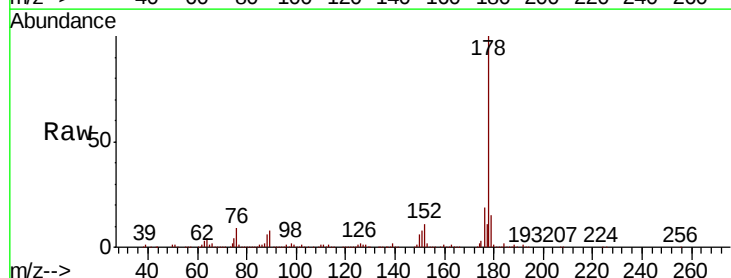
RT: 11.37 min Scan# 1579

Delta R.T. -0.03 min

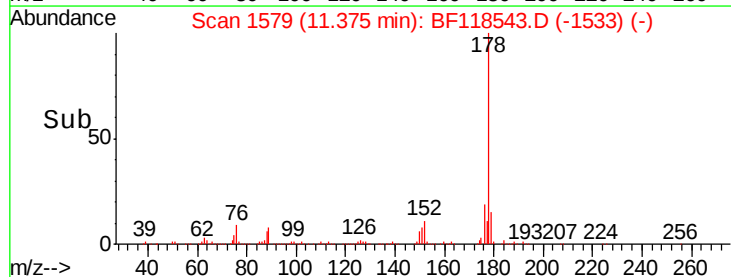
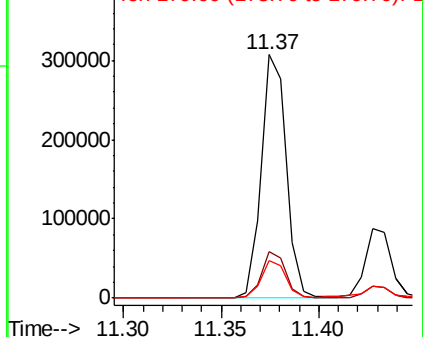
Lab File: BF118543.D

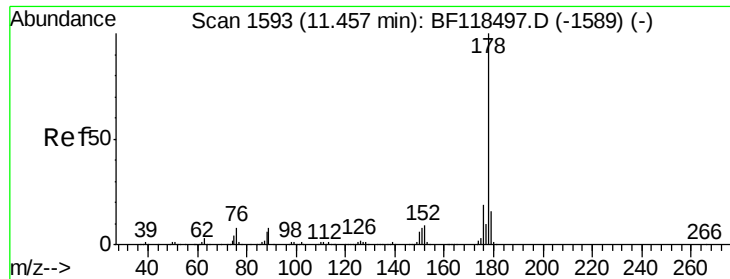
Acq: 13 Jan 2020 21:06

Tgt Ion:	178	Resp:	273431
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.2	22.8
179	15.4	12.3	18.5



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





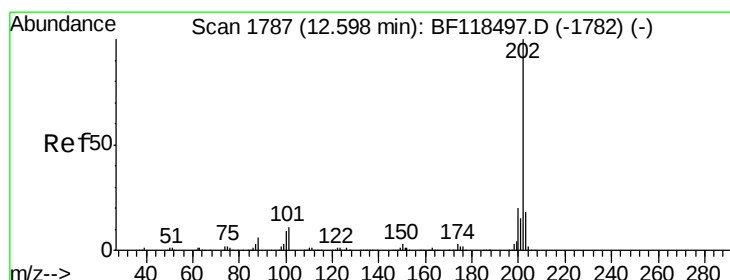
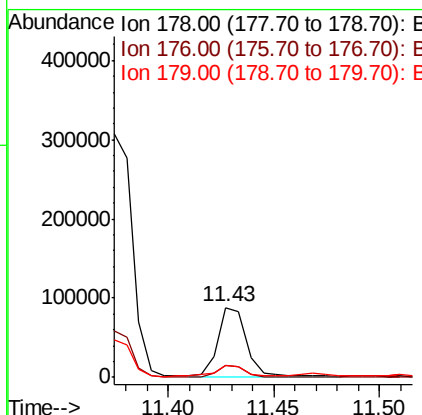
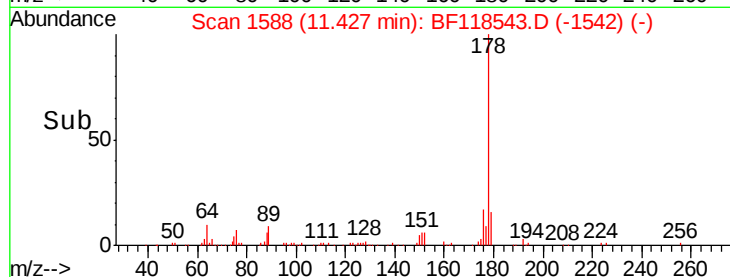
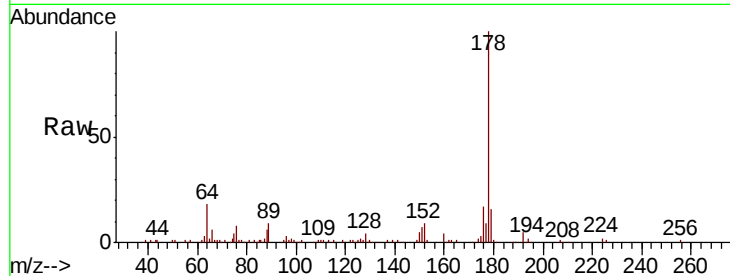
#72
 Anthracene
 Concen: 3.929 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.03 min
 Lab File: BF118543.D
 Acq: 13 Jan 2020 21:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-15(2-3.5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.0	22.4
179	16.3	12.6	19.0

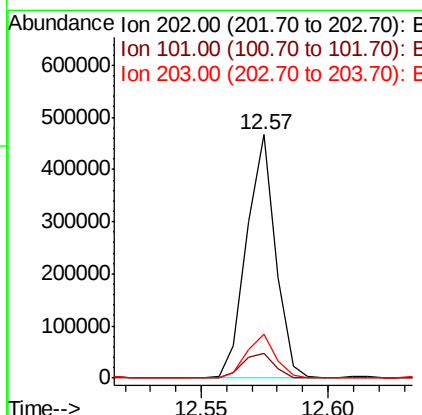
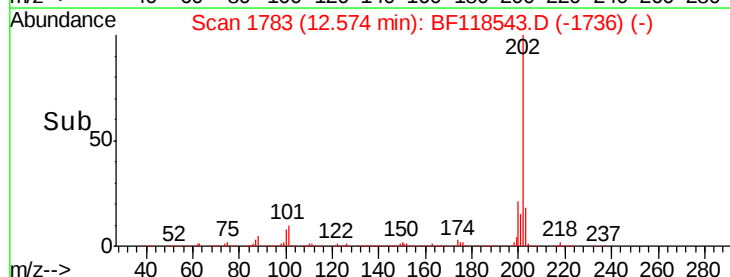
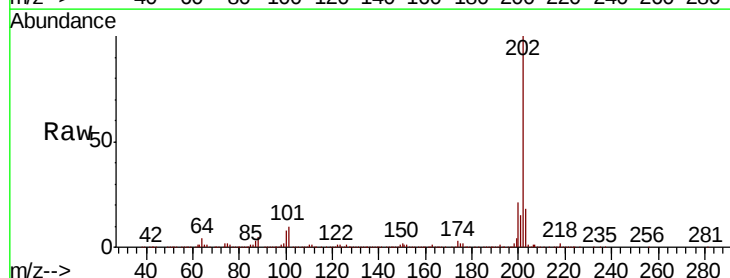
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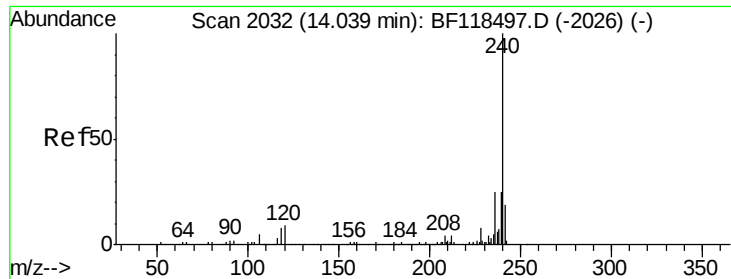
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#75
 Fluoranthene
 Concen: 17.141 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. -0.02 min
 Lab File: BF118543.D
 Acq: 13 Jan 2020 21:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.4
203	18.0	0.0	38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.04 min

Lab File: BF118543.D

Acq: 13 Jan 2020 21:06

Instrument :

BNA_F

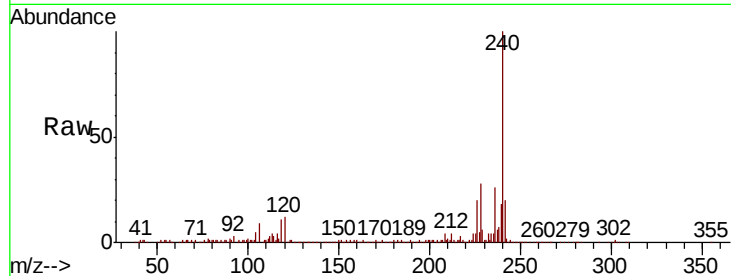
ClientSampleId :

SB-15(2-3.5)

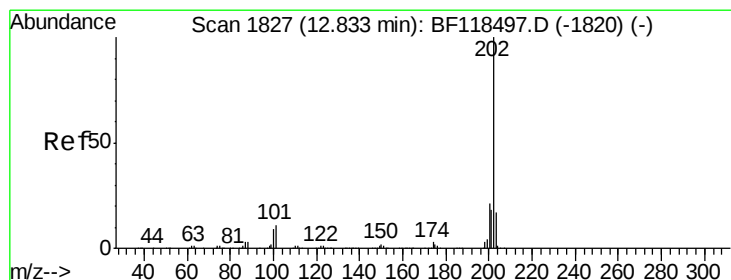
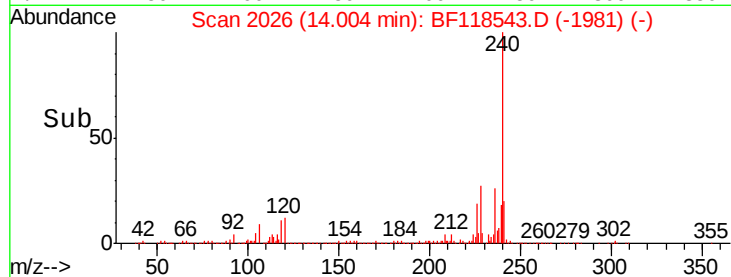
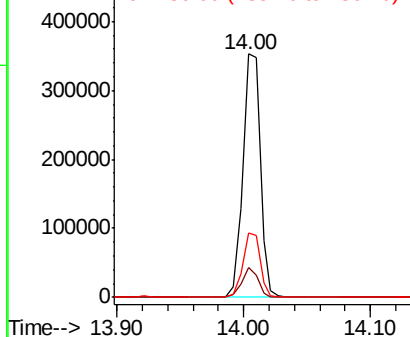
Tot Ion:	240	Resp:	333954
Ion Ratio	Lower	Upper	
240	100		
120	12.2	7.0	10.6#
236	26.4	20.1	30.1

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 13.819 ng

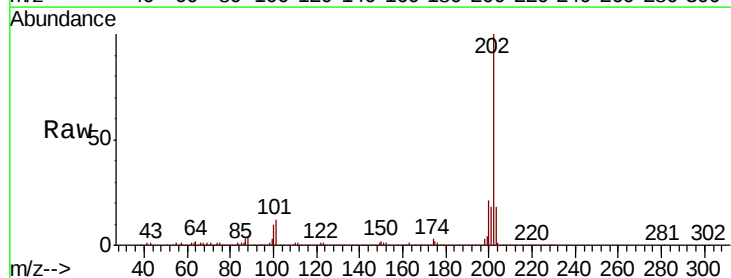
RT: 12.80 min Scan# 1822

Delta R.T. -0.03 min

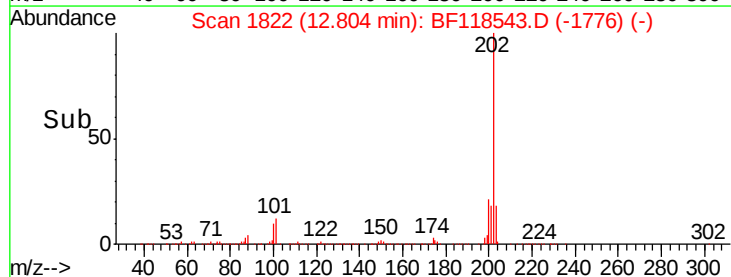
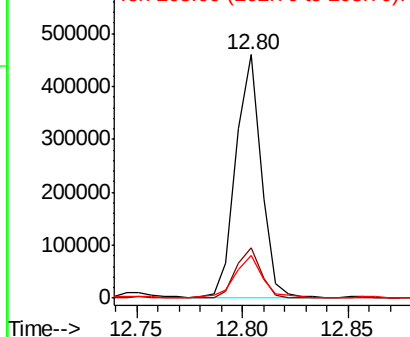
Lab File: BF118543.D

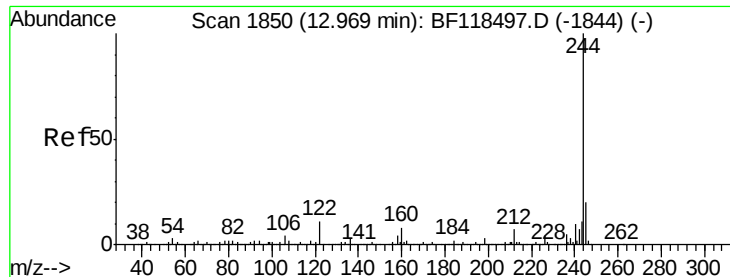
Acq: 13 Jan 2020 21:06

Tgt Ion:	202	Resp:	379705
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.9	25.3
203	17.8	13.9	20.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





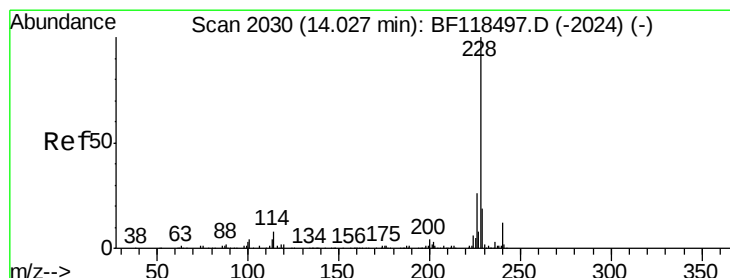
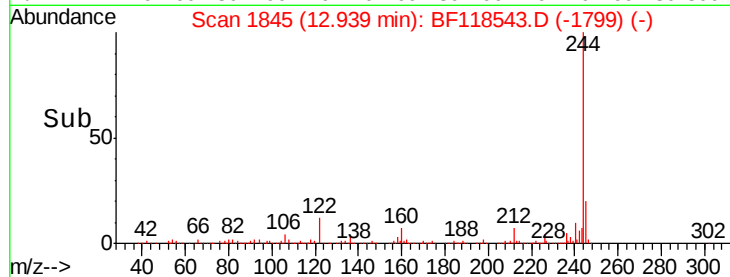
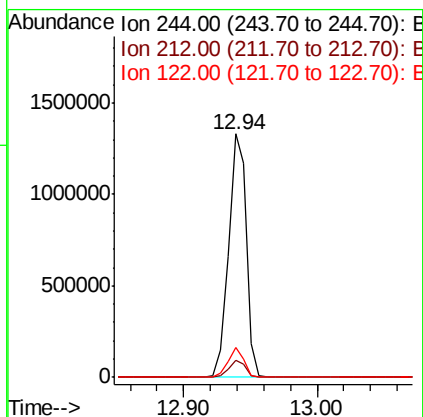
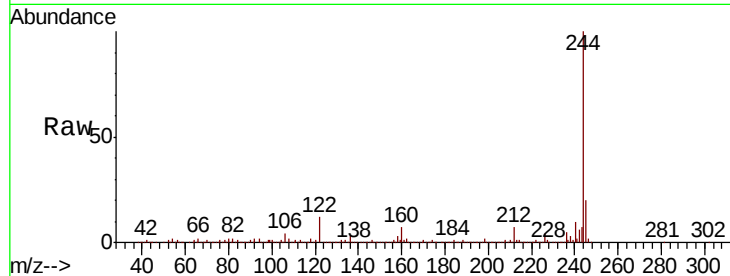
#79
 Terphenyl-d14
 Concen: 59.219 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.03 min
 Lab File: BF118543.D
 Acq: 13 Jan 2020 21:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-15(2-3.5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	12.1	9.0	13.6

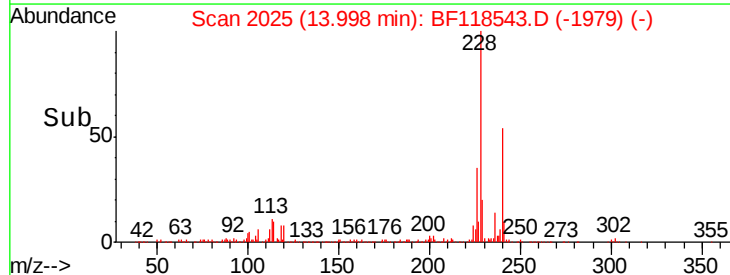
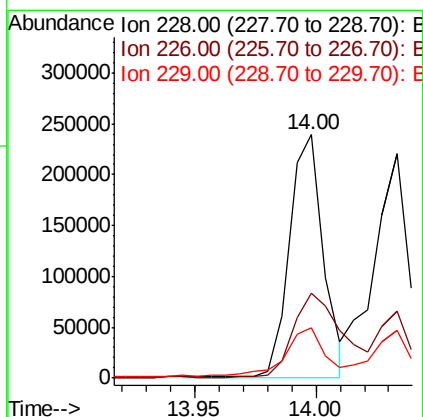
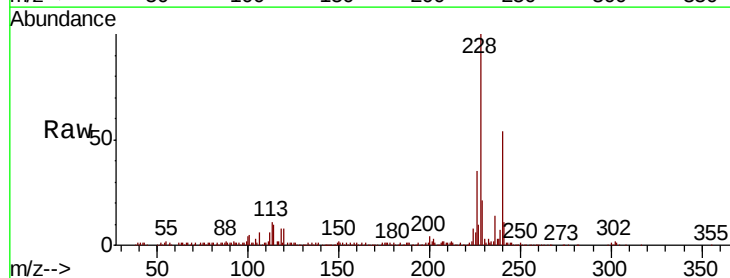
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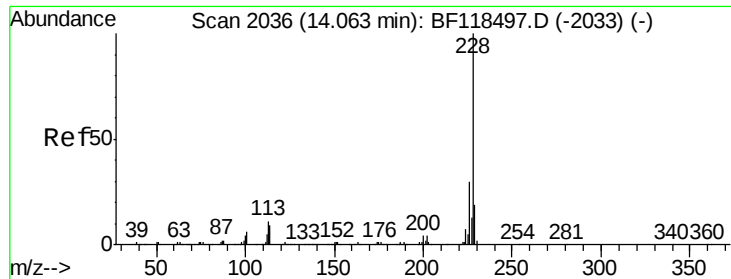
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#81
 Benzo(a)anthracene
 Concen: 9.981 ng m
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.03 min
 Lab File: BF118543.D
 Acq: 13 Jan 2020 21:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.9	20.7	31.1#
229	20.6	15.4	23.2





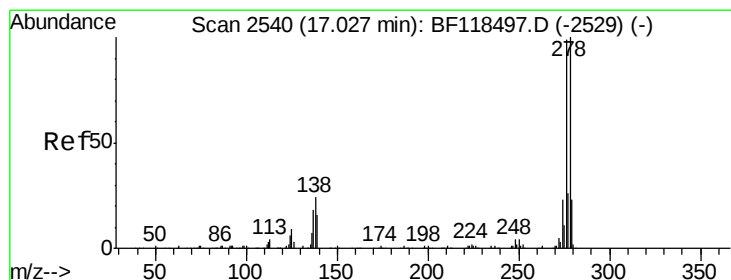
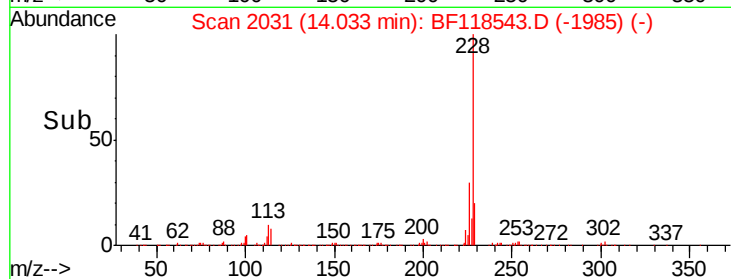
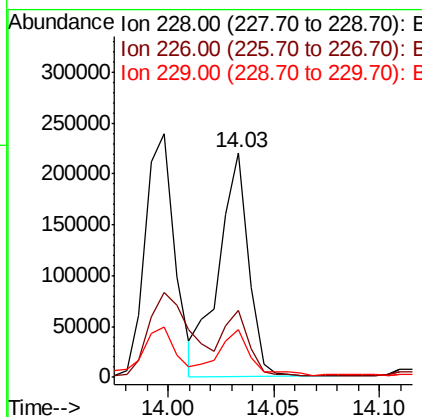
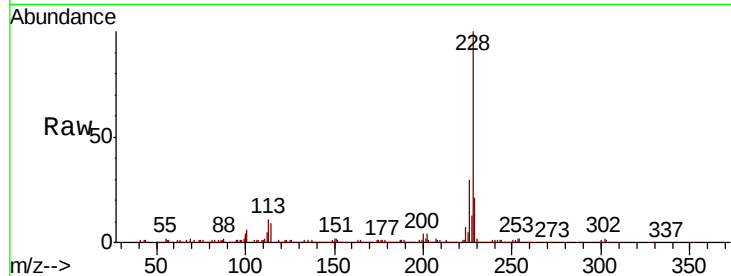
#83
Chrysene
Concen: 9.472 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.03 min
Lab File: BF118543.D
Acq: 13 Jan 2020 21:06

Instrument :
BNA_F
ClientSampleId :
SB-15(2-3.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.6	35.4
229	21.3	15.6	23.4

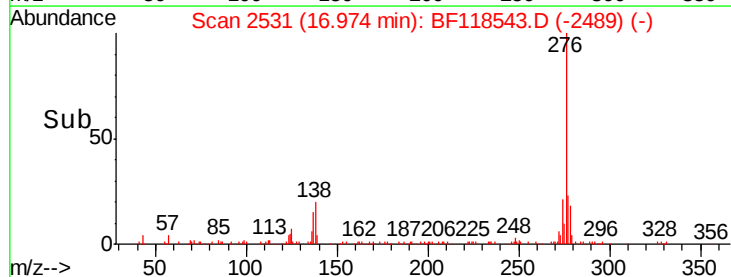
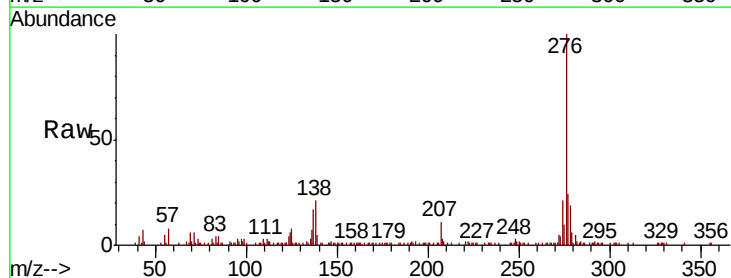
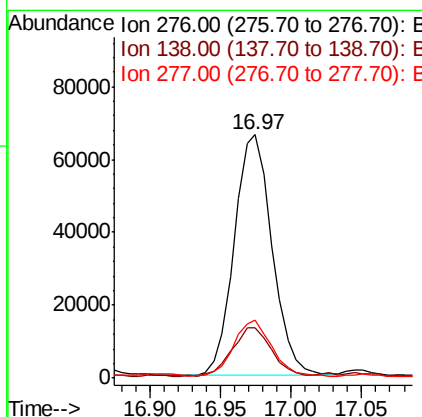
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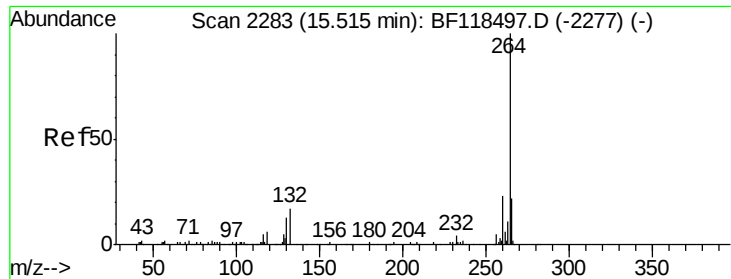
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.785 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.05 min
Lab File: BF118543.D
Acq: 13 Jan 2020 21:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	19.0	28.4
277	23.5	20.5	30.7





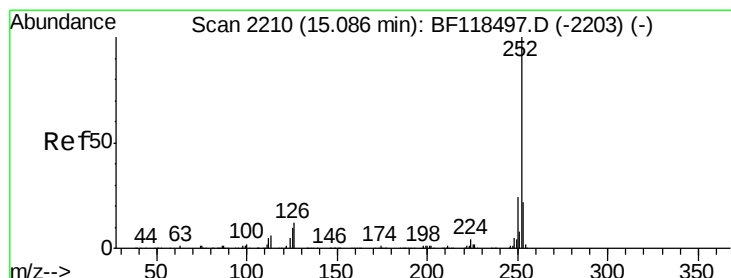
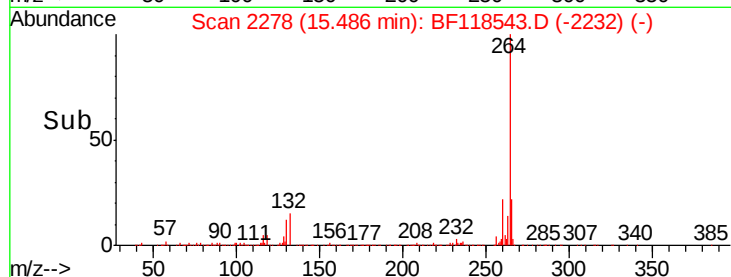
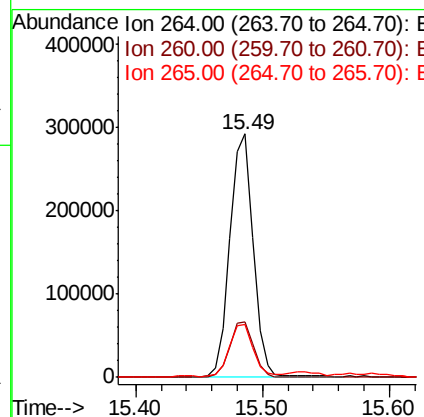
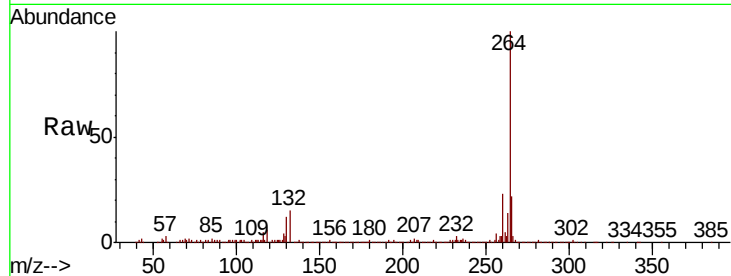
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.03 min
Lab File: BF118543.D
Acq: 13 Jan 2020 21:06

Instrument :
BNA_F
ClientSampleId :
SB-15(2-3.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	22.7	18.8	28.2		
265	21.8	17.5	26.3		

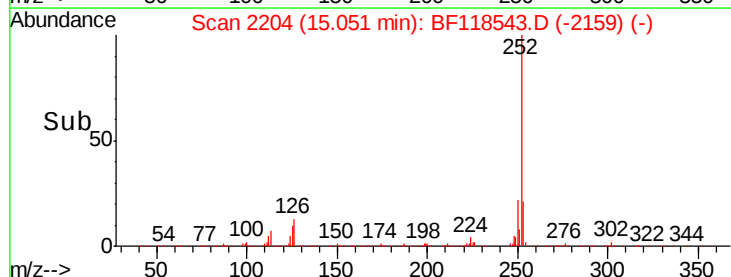
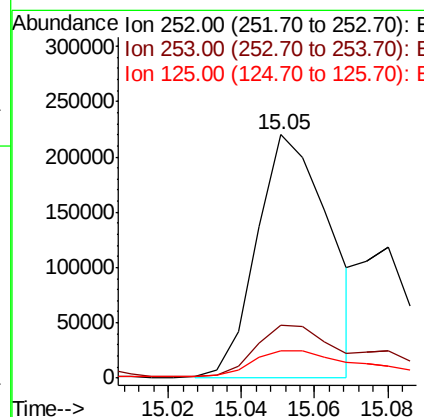
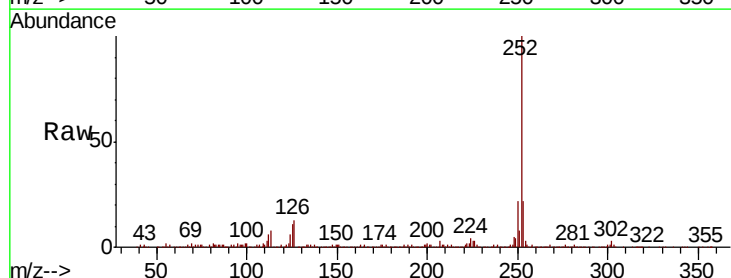
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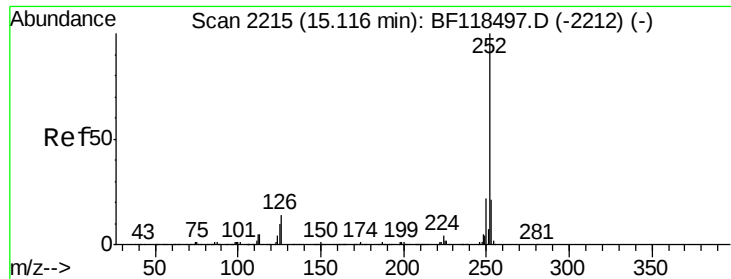
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#88
Benzo(b)fluoranthene
Concen: 11.195 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF118543.D
Acq: 13 Jan 2020 21:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	21.7	17.6	26.4		
125	11.1	7.8	11.6		





#89

Benzo(k)fluoranthene

Concen: 4.386 ng

RT: 15.08 min Scan# 2209

Delta R.T. -0.04 min

Lab File: BF118543.D

Acq: 13 Jan 2020 21:06

Instrument :

BNA_F

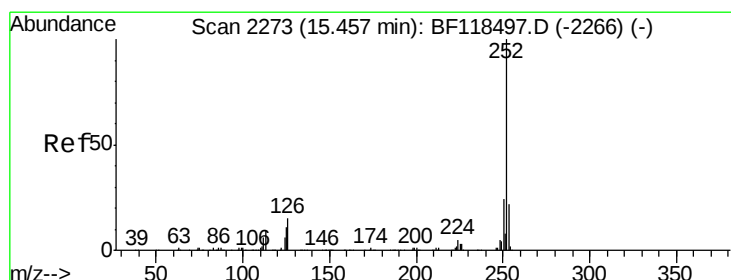
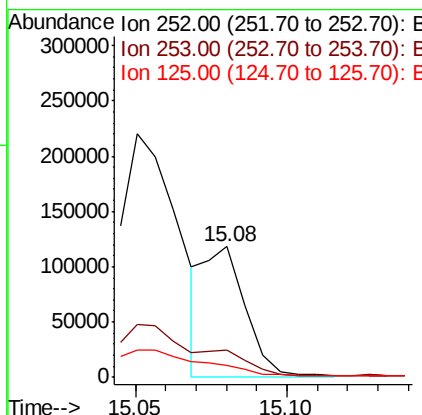
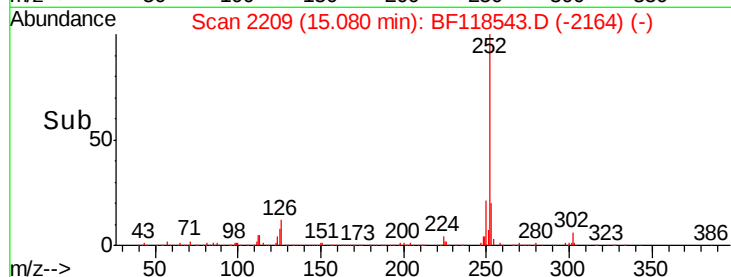
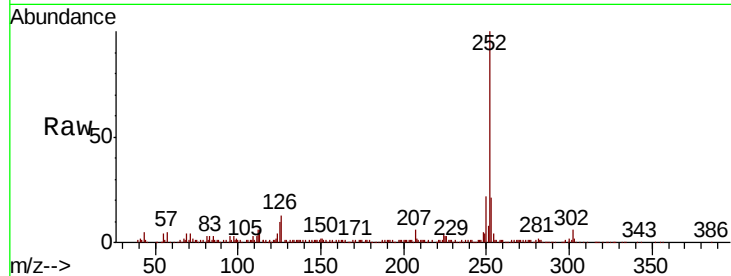
ClientSampled :

SB-15(2-3.5)

Tot Ion:	252	Resp:	113276
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.0	25.4
125	9.5	7.8	11.6

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#90

Benzo(a)pyrene

Concen: 10.157 ng

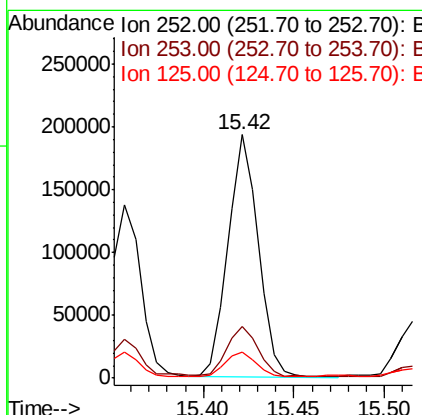
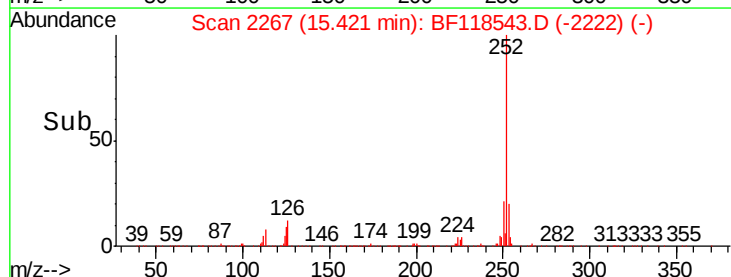
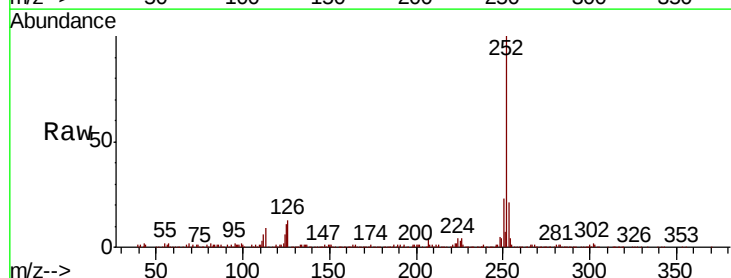
RT: 15.42 min Scan# 2267

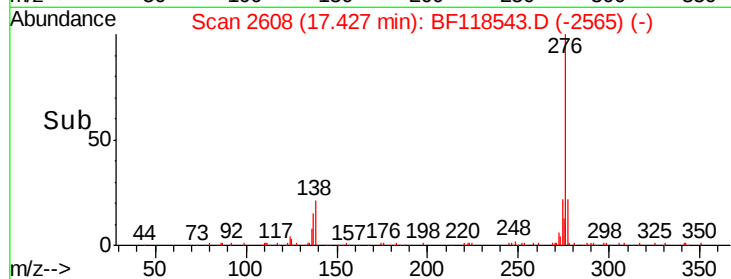
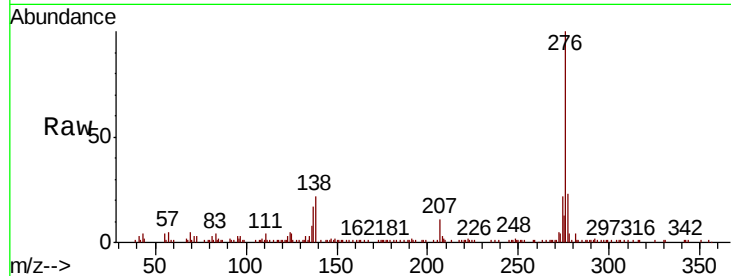
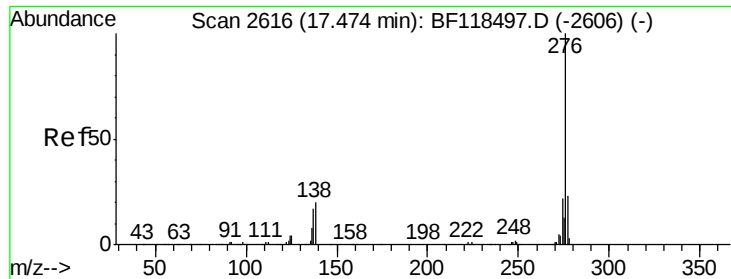
Delta R.T. -0.04 min

Lab File: BF118543.D

Acq: 13 Jan 2020 21:06

Tgt Ion:	252	Resp:	225212
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.7	26.5
125	10.9	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 6.584 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.05 min
 Lab File: BF118543.D
 Acq: 13 Jan 2020 21:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-15(2-3.5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.2	27.4
138	22.0	16.3	24.5

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