

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
 Data File : BF118550.D
 Acq On : 14 Jan 2020 00:22
 Operator : JU
 Sample : L1103-04 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-17(2-4)

Manual Integrations
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Quant Time: Jan 14 14:16:32 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	128804	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	490763	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	231908	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	379283	20.00	ng	-0.02
76) Chrysene-d12	14.01	240	296948	20.00	ng	-0.03
87) Perylene-d12	15.49	264	232685	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	156806	20.10	ng	0.00
7) Phenol-d6	6.46	99	213636	22.90	ng	-0.02
23) Nitrobenzene-d5	7.38	82	108915	11.66	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	46476	16.98	ng	-0.02
45) 2-Fluorobiphenyl	9.18	172	217382	13.44	ng	-0.02
79) Terphenyl-d14	12.94	244	208408	11.12	ng	-0.03
Target Compounds						
49) Acenaphthylene	9.72	152	86449	3.872	ng	Qvalue 97
71) Phenanthrene	11.38	178	556743	26.204	ng	99
72) Anthracene	11.43	178	113806	5.384	ng	99
75) Fluoranthene	12.57	202	916341	42.432	ng	99
78) Pyrene	12.81	202	1182520	48.401	ng	100
81) Benzo(a)anthracene	14.00	228	392045	18.862	ng	# 74
83) Chrysene	14.03	228	328818	16.280	ng	95
86) Indeno(1,2,3-cd)pyrene	16.98	276	247510	15.221	ng	94
88) Benzo(b)fluoranthene	15.06	252	453097m	26.934	ng	
89) Benzo(k)fluoranthene	15.08	252	135220m	8.421	ng	
90) Benzo(a)pyrene	15.43	252	331038	24.012	ng	98
91) Dibenzo(a,h)anthracene	16.98	278	37670	2.914	ng	# 85
92) Benzo(a,h,i)perylene	17.43	276	264316	21.580	ng	99

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

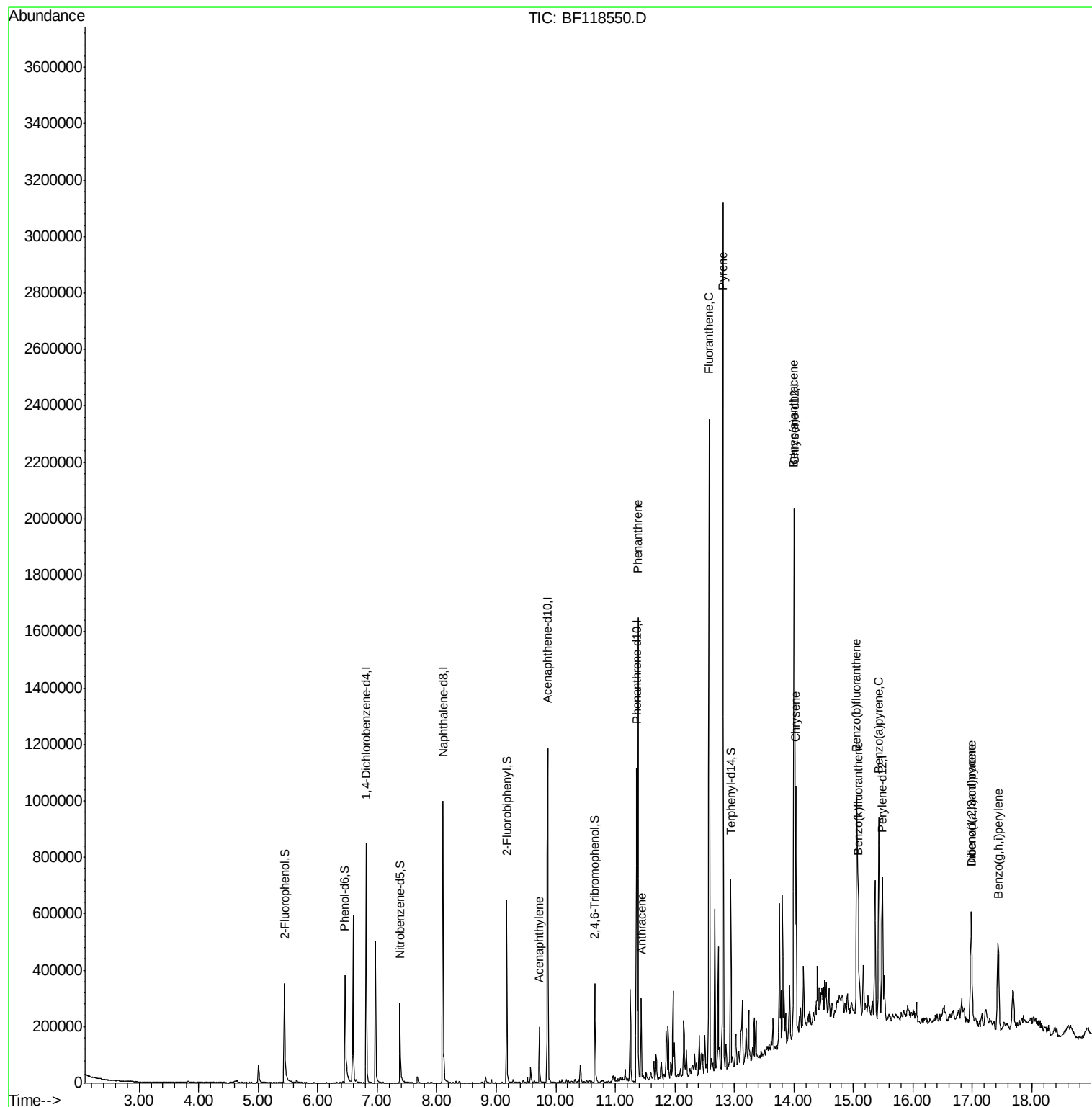
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011320\
Data File : BF118550.D
Acq On : 14 Jan 2020 00:22
Operator : JU
Sample : L1103-04 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

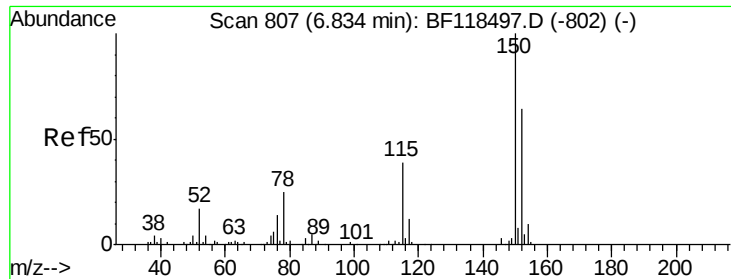
Instrument :
BNA_F
ClientSampleId :
SB-17(2-4)

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Quant Time: Jan 14 14:16:32 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





#1

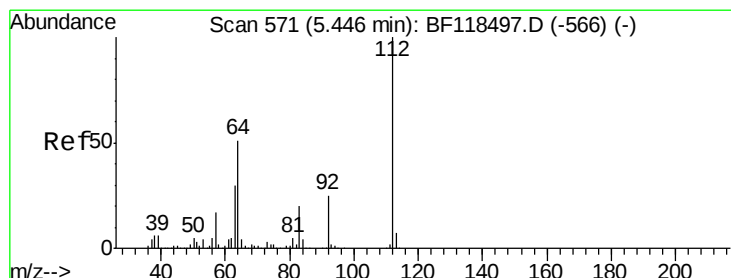
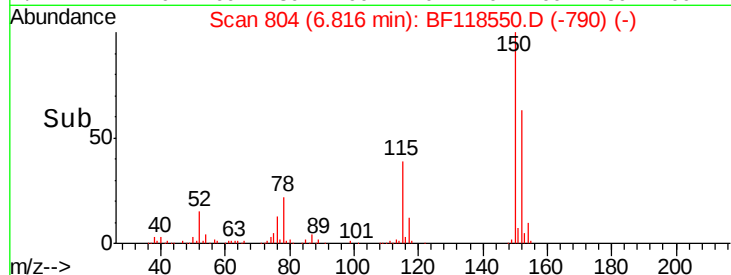
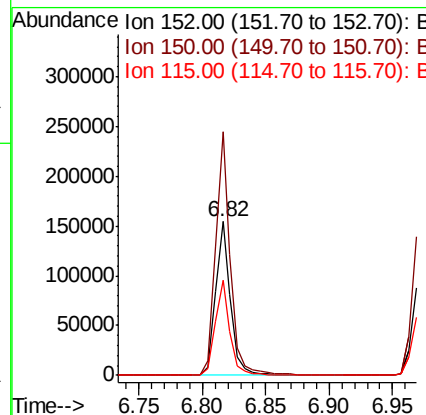
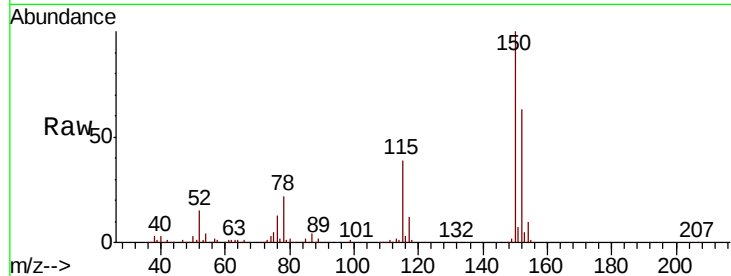
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Instrument :
BNA_F
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.7	187.1
115	61.5	49.0	73.6

Manual Integrations
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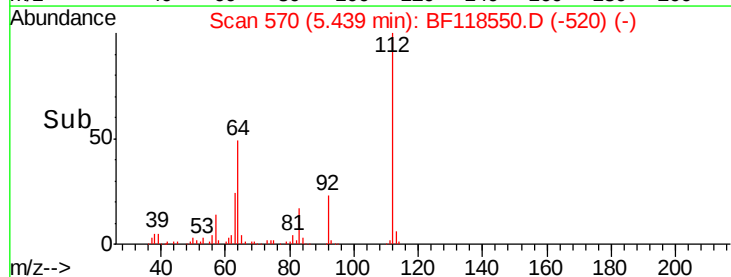
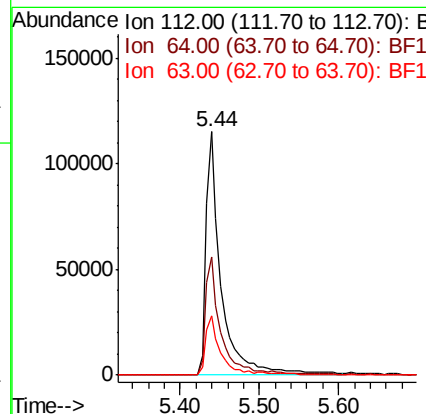
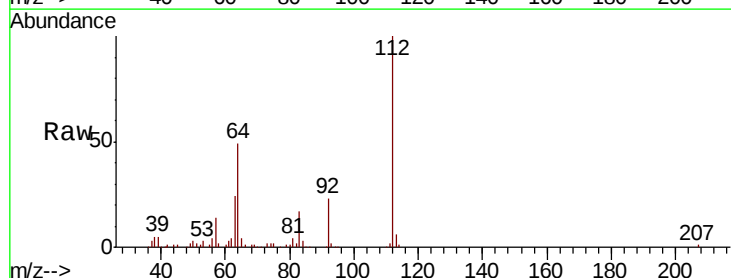
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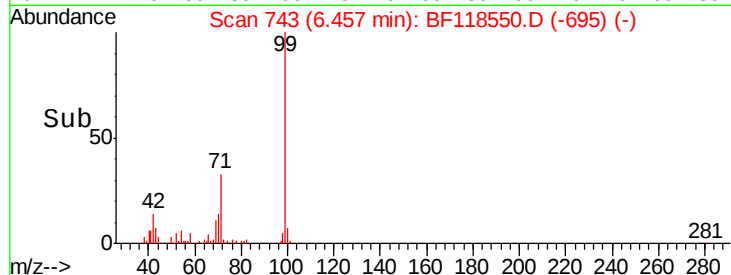
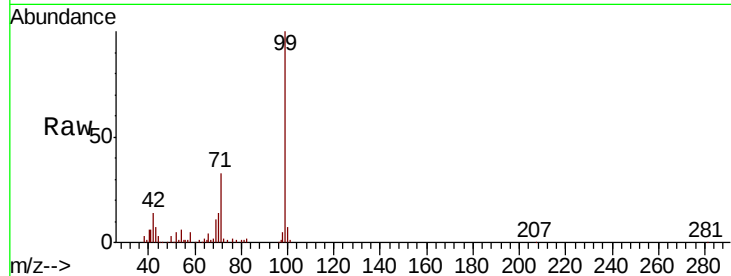
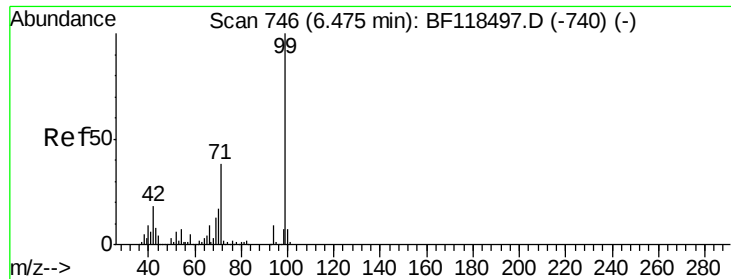


#5

2-Fluorophenol
Concen: 20.096 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.5	41.1	61.7
63	24.1	24.1	36.1





#7

Phenol-d6

Concen: 22.901 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF118550.D

Acq: 14 Jan 2020 00:22

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		213636		
42	14.4	14.5	21.7#		
71	32.9	30.6	45.8		

Instrument :

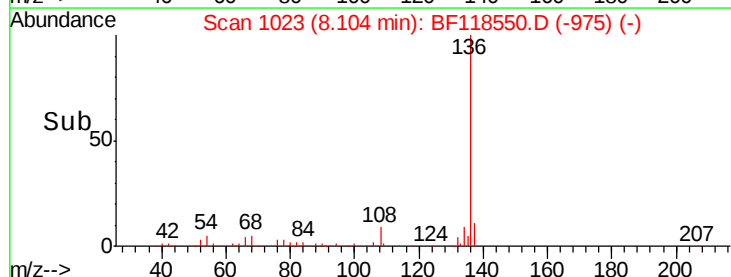
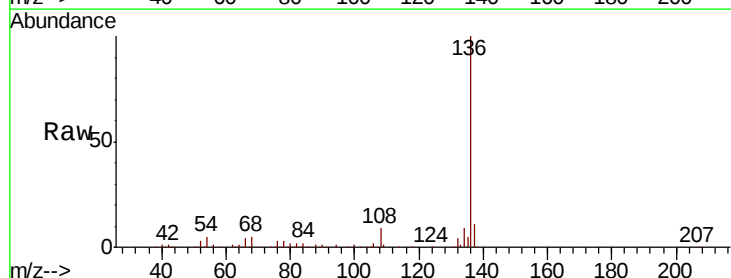
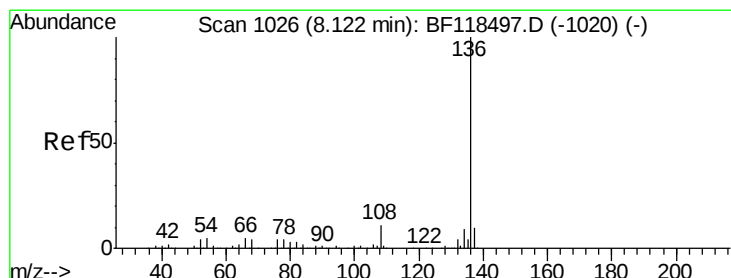
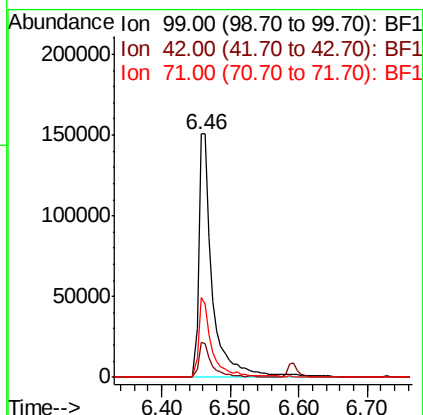
BNA_F

ClientSampleId :

SB-17(2-4)

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#21

Naphthalene-d8

Concen: 20.000 ng

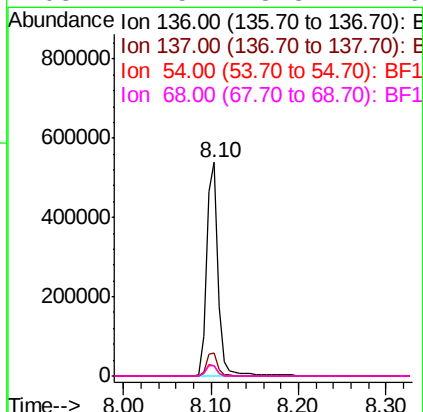
RT: 8.10 min Scan# 1023

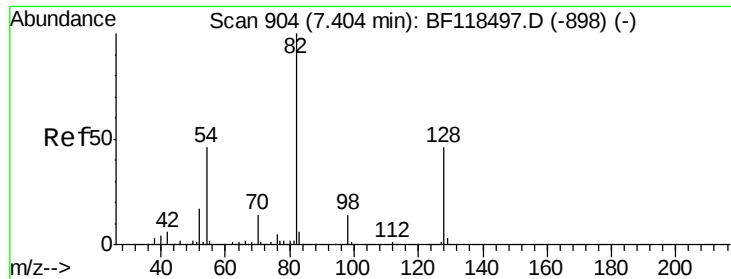
Delta R.T. -0.02 min

Lab File: BF118550.D

Acq: 14 Jan 2020 00:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		490763		
137	10.7	8.3	12.5		
54	4.9	4.2	6.2		
68	4.5	3.3	4.9		





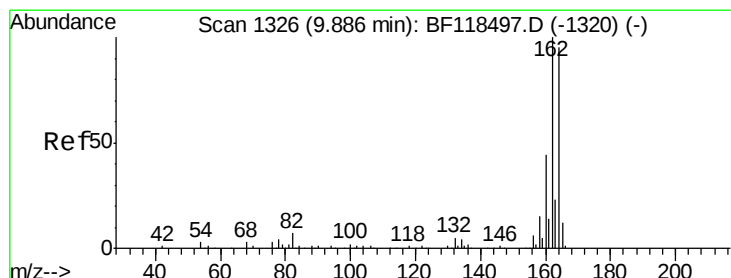
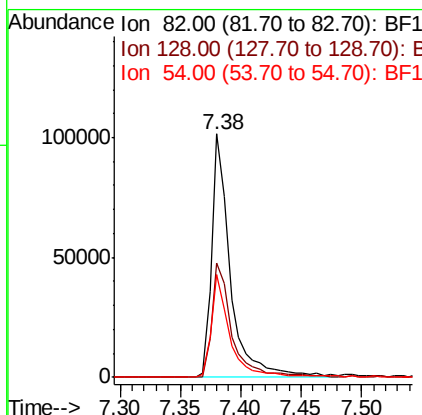
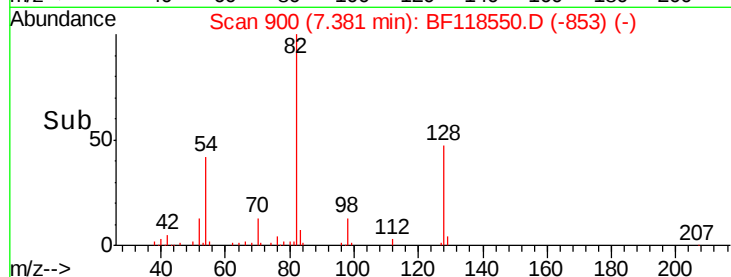
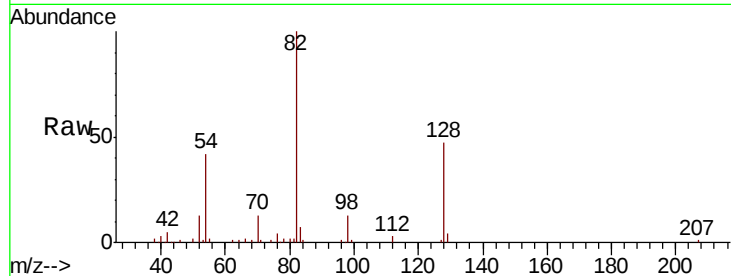
#23
Nitrobenzene-d5
Concen: 11.658 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Instrument :
BNA_F
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.6	54.8
54	42.3	37.0	55.6

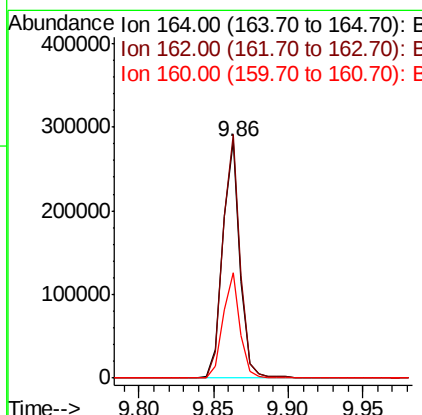
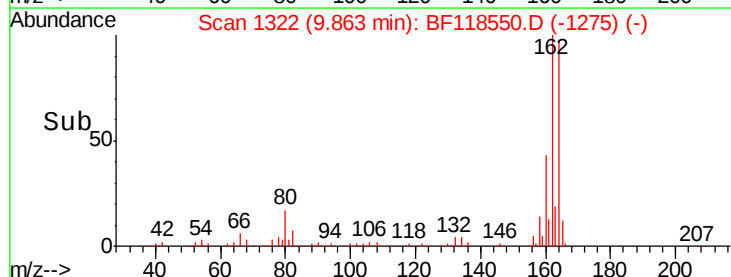
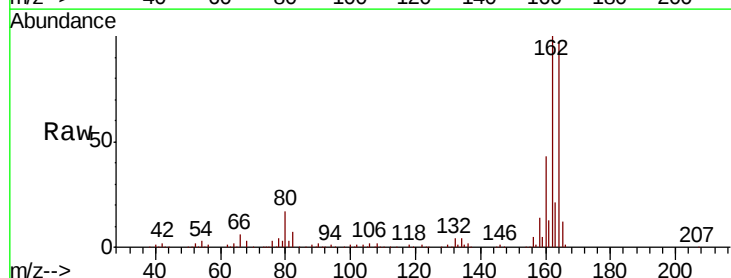
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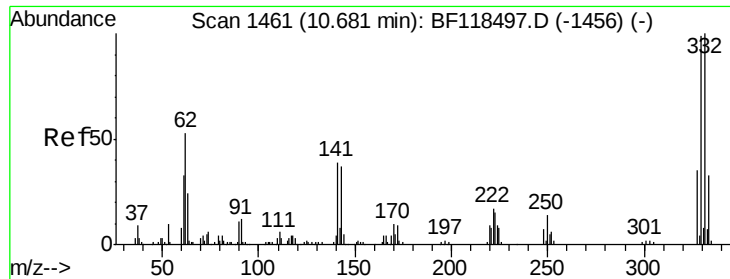
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.02 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	84.2	126.4
160	44.5	36.8	55.2





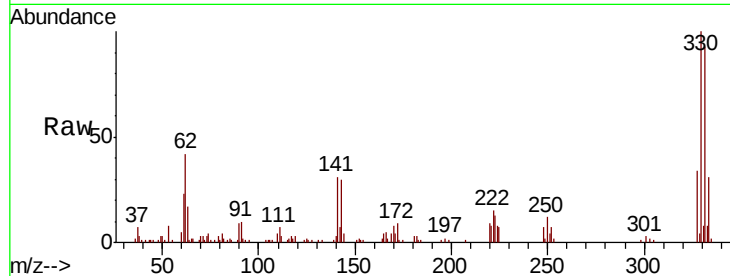
#42
 2,4,6-Tribromophenol
 Concen: 16.984 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF118550.D
 Acq: 14 Jan 2020 00:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.9	116.9
141	31.7	28.6	43.0

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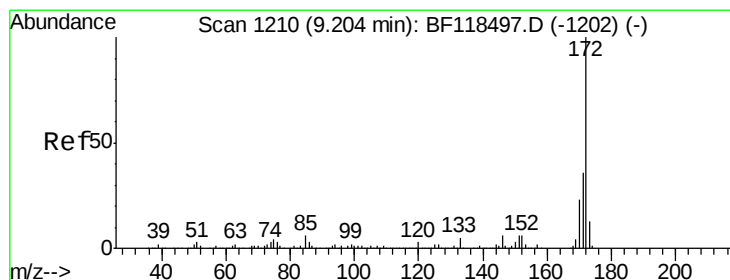
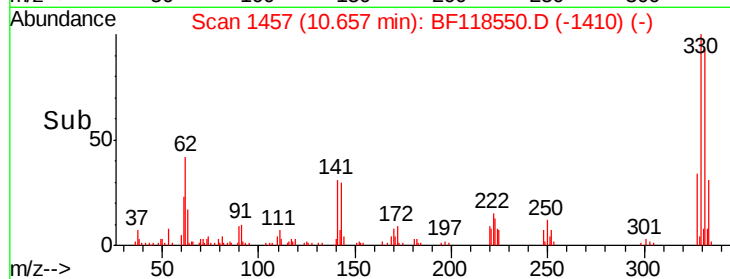
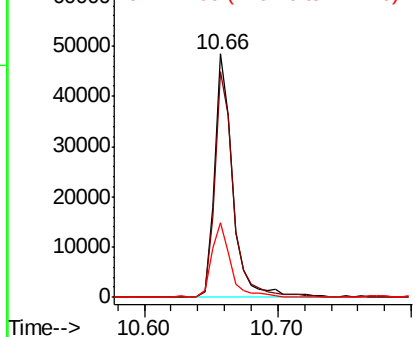


Abundance

Ion 329.80 (329.50 to 330.50): E

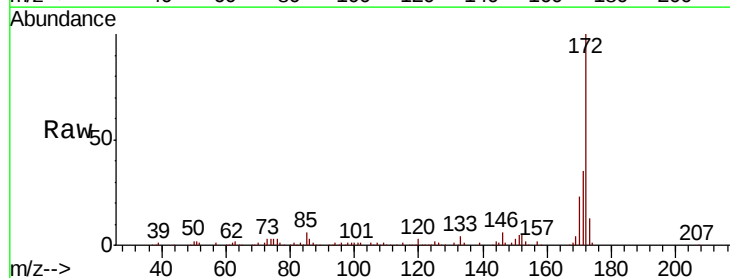
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 13.444 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.02 min
 Lab File: BF118550.D
 Acq: 14 Jan 2020 00:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.6	42.8
170	22.7	18.6	27.8

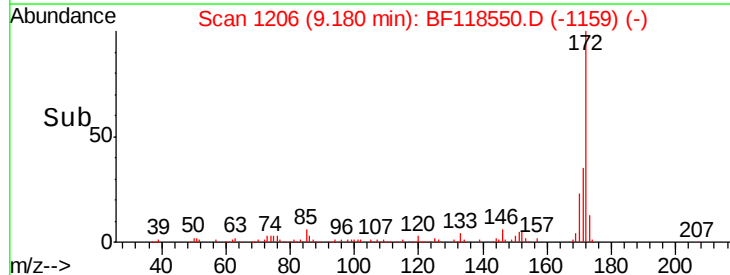
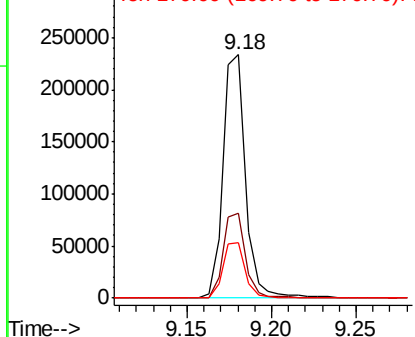


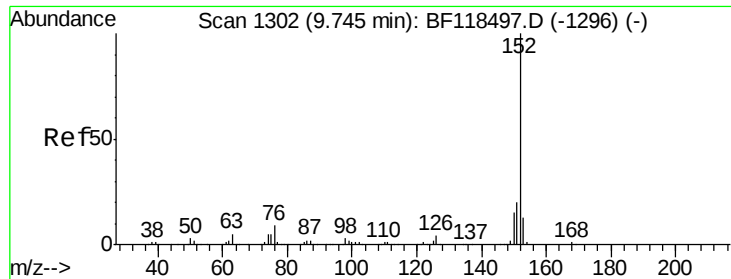
Abundance

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





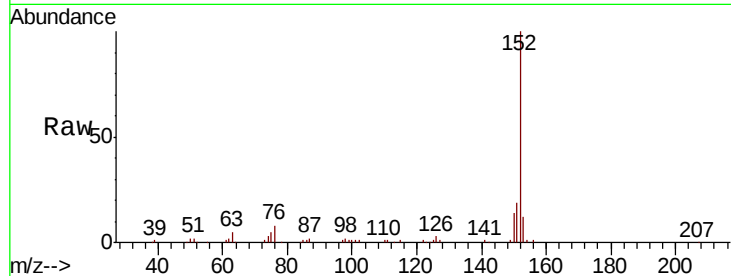
#49
Acenaphthylene
Concen: 3.872 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Instrument :
BNA_F
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.3	24.5
153	12.2	10.6	16.0

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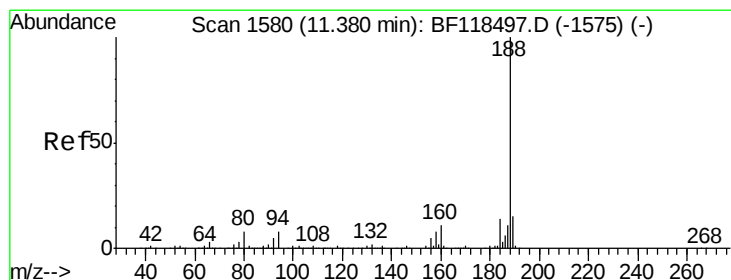
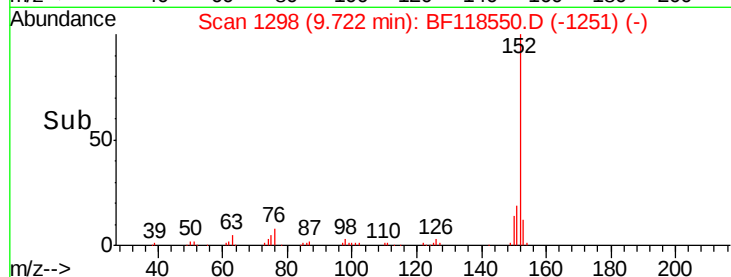
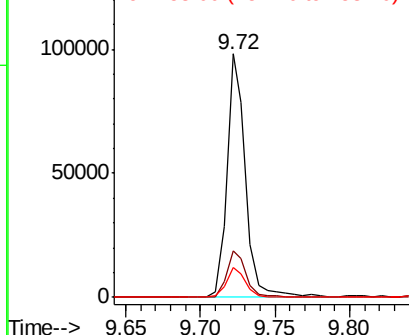


Abundance

Ion 152.00 (151.70 to 152.70): E

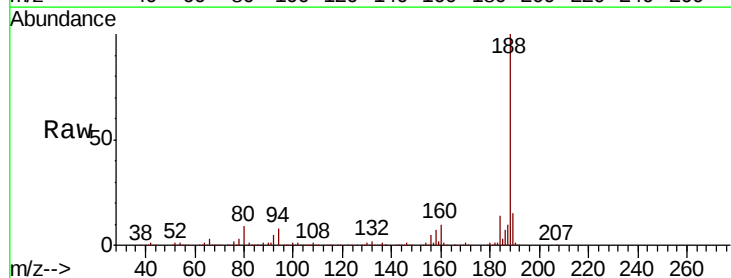
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.2	9.4
80	9.0	6.6	10.0

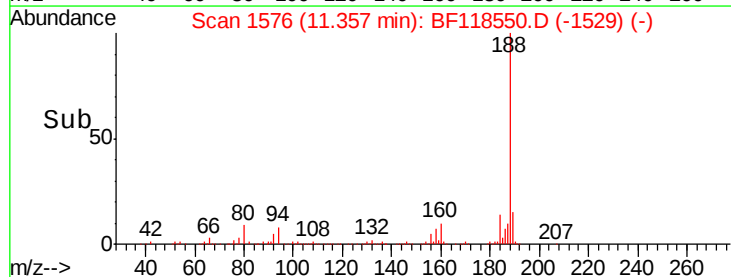
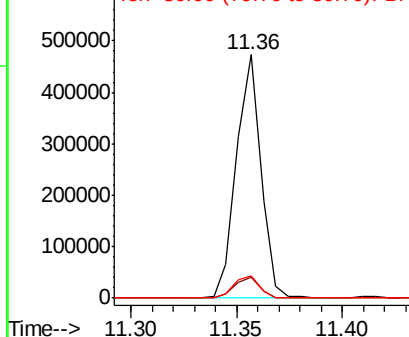


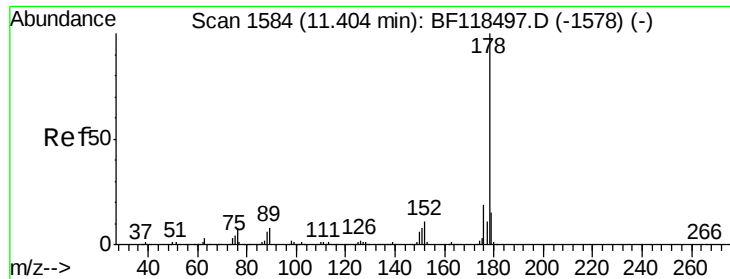
Abundance

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: 26.204 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF118550.D

Acq: 14 Jan 2020 00:22

Instrument :

BNA_F

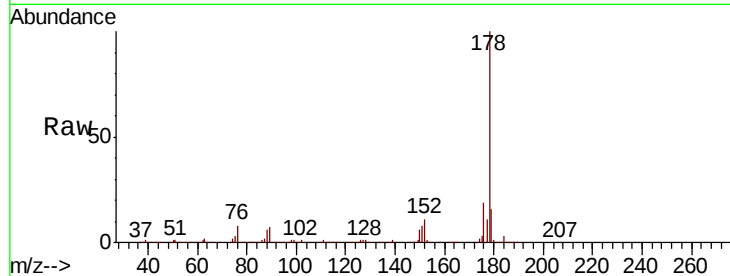
ClientSampleId :

SB-17(2-4)

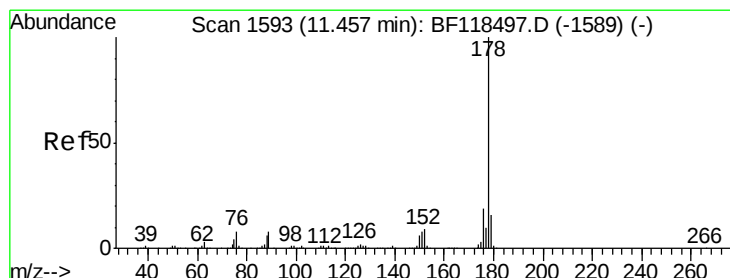
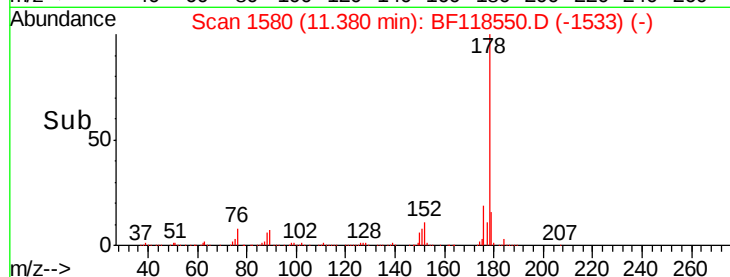
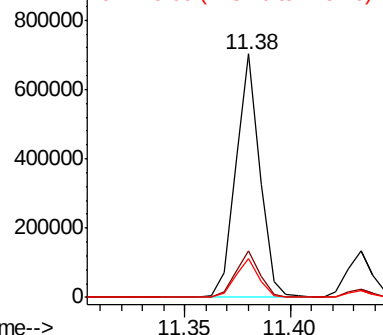
Tot Ion:178	Resp:	556743
Ion Ratio	Lower	Upper
178	100	
176	18.9	15.2 22.8
179	15.8	12.3 18.5

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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: 5.384 ng

RT: 11.43 min Scan# 1589

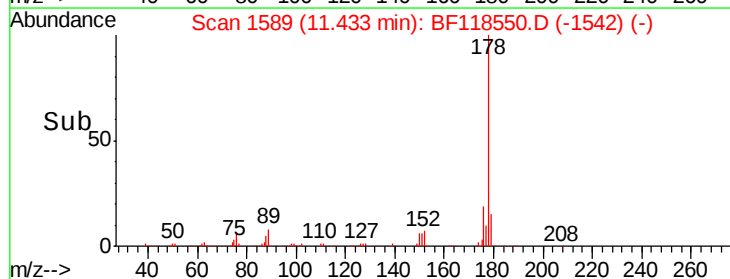
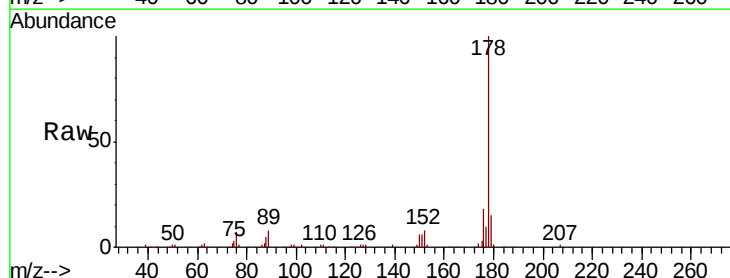
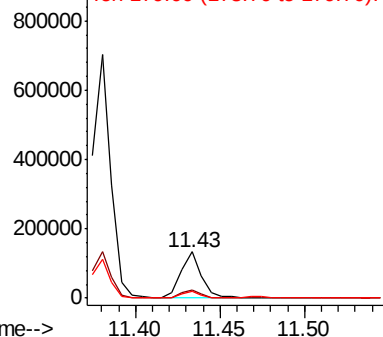
Delta R.T. -0.02 min

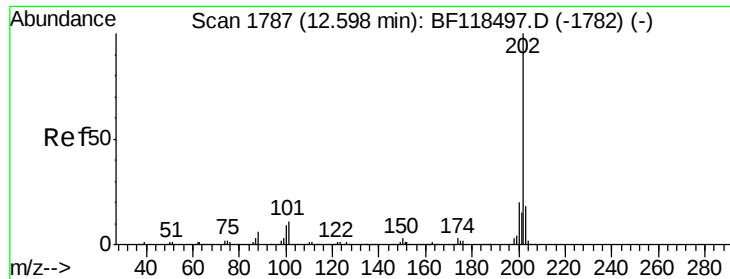
Lab File: BF118550.D

Acq: 14 Jan 2020 00:22

Tgt Ion:178	Resp:	113806
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.0 22.4
179	15.3	12.6 19.0

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: 42.432 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF118550.D

Acq: 14 Jan 2020 00:22

Instrument :

BNA_F

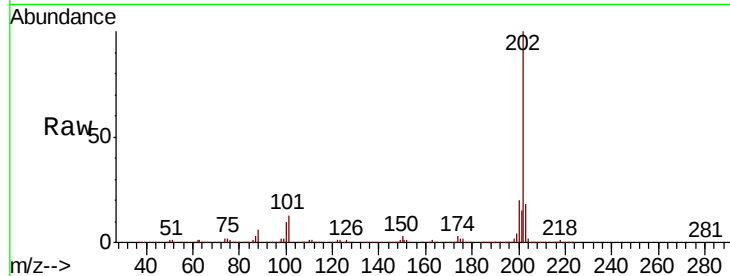
ClientSampled :

SB-17(2-4)

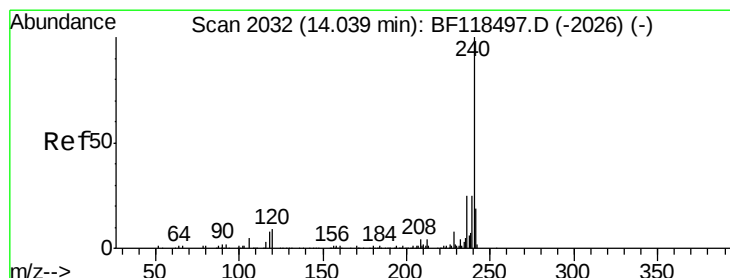
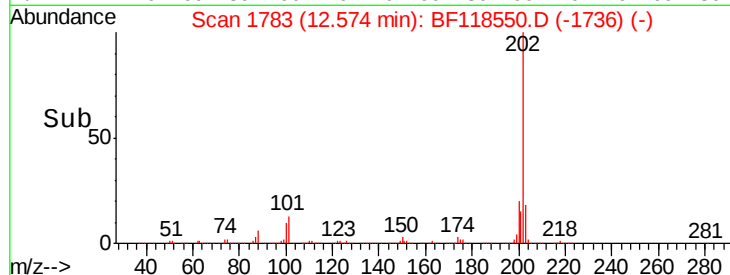
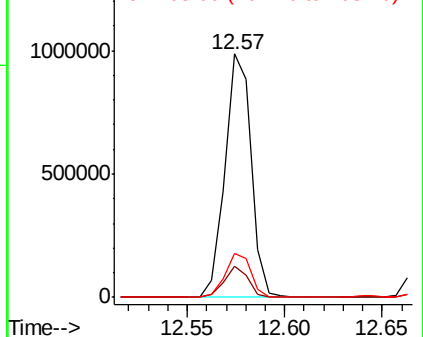
Tot Ion	Ratio	Resp	Lower	Upper
202	100	916341		
101	12.6	0.0	31.4	
203	18.1	0.0	38.1	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

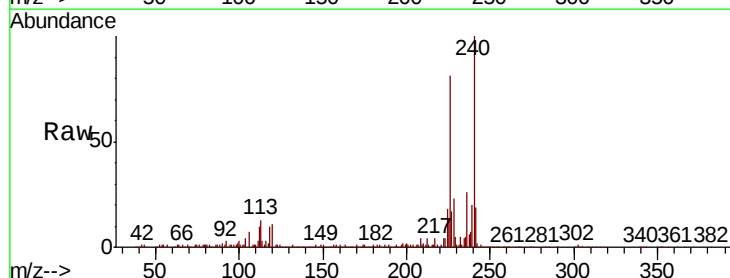
RT: 14.01 min Scan# 2027

Delta R.T. -0.03 min

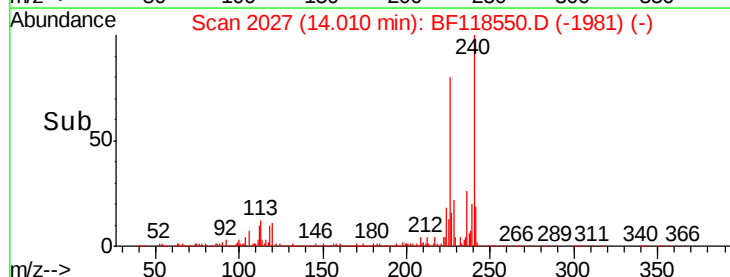
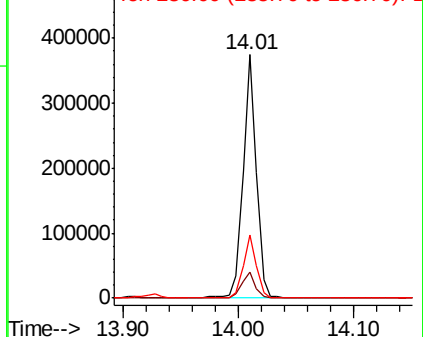
Lab File: BF118550.D

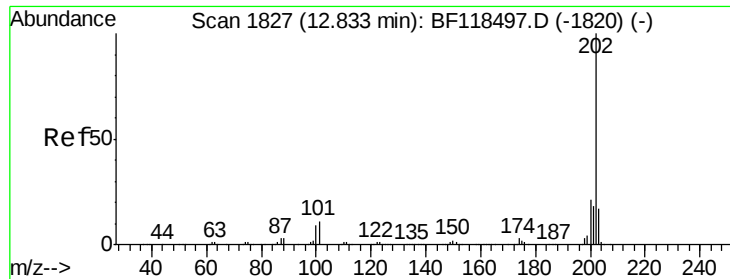
Acq: 14 Jan 2020 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	296948		
120	10.8	7.0	10.6#	
236	25.7	20.1	30.1	



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





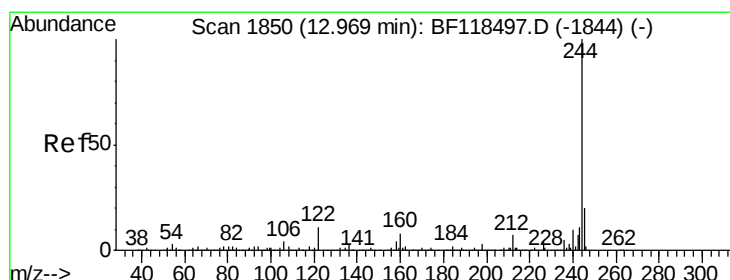
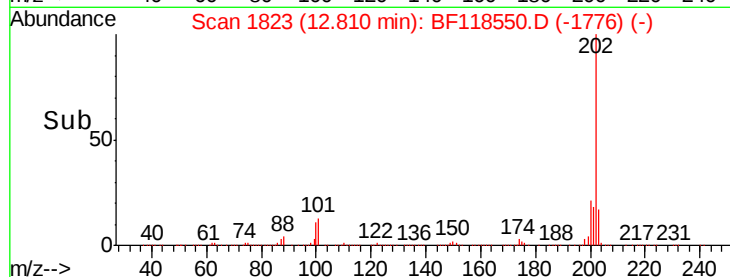
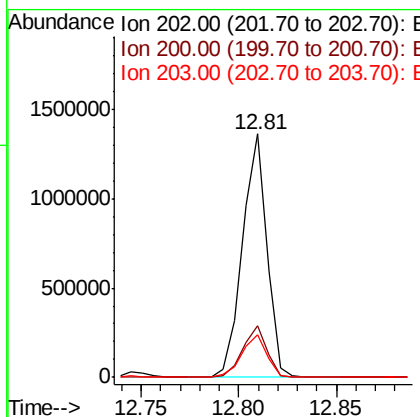
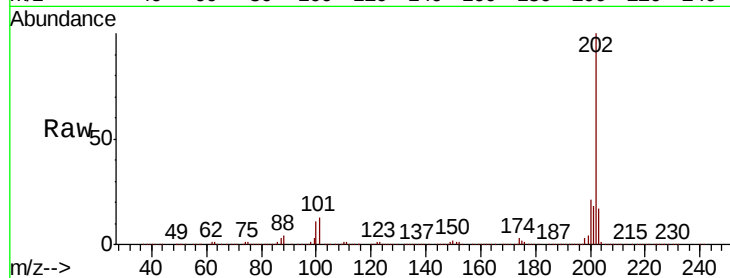
#78
Pvrene
Concen: 48.401 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Instrument :
BNA_F
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	17.4	13.9	20.9

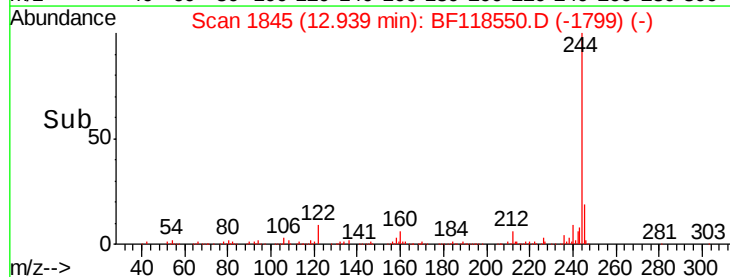
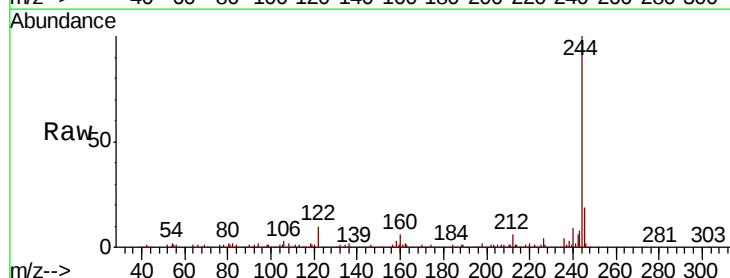
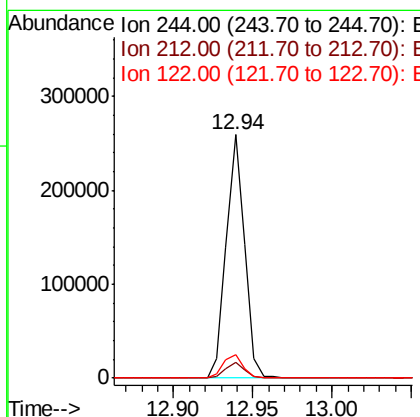
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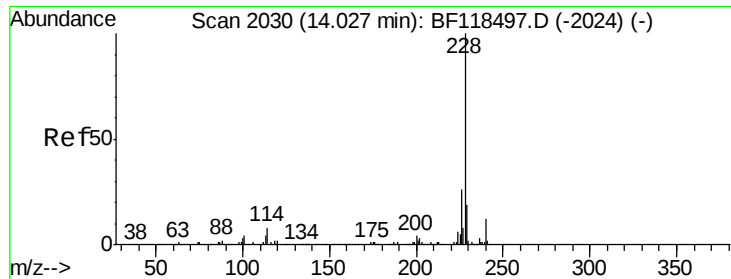
mohammad
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#79
Terphenyl-d14
Concen: 11.122 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.03 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	9.6	9.0	13.6





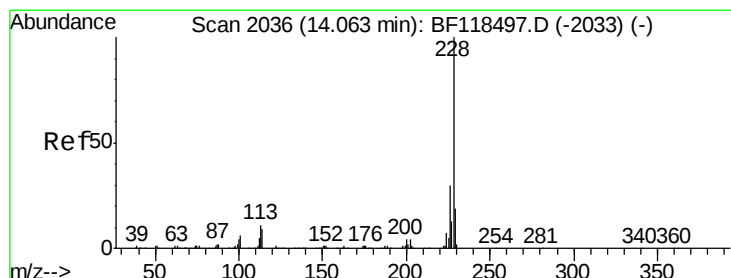
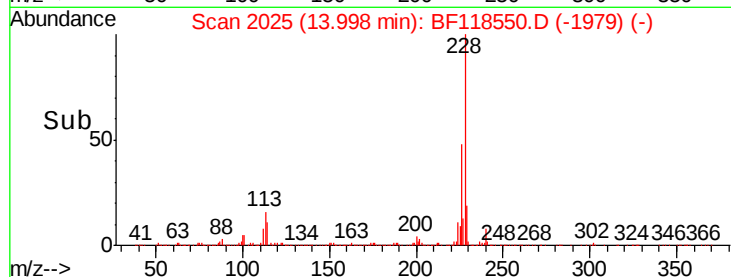
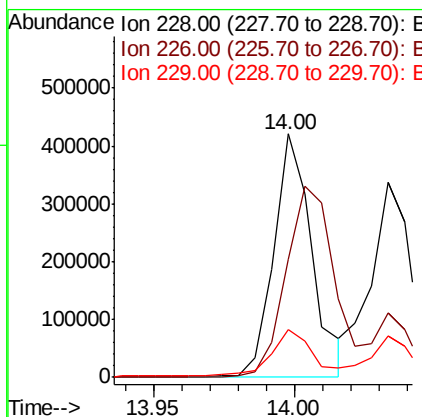
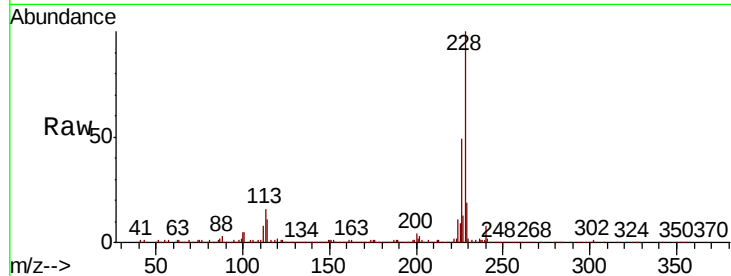
#81
Benzo(a)anthracene
Concen: 18.862 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.03 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Instrument :
BNA_F
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	48.5	20.7	31.1#
229	19.5	15.4	23.2

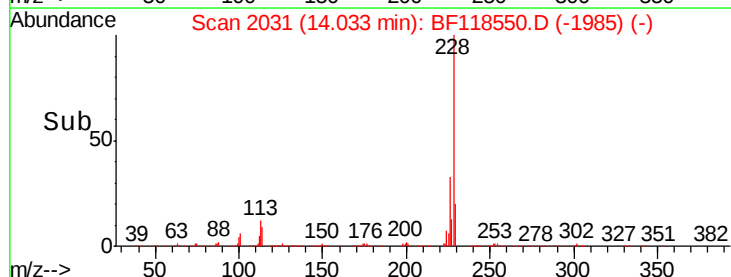
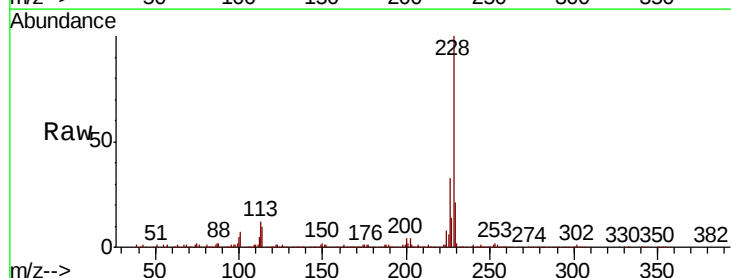
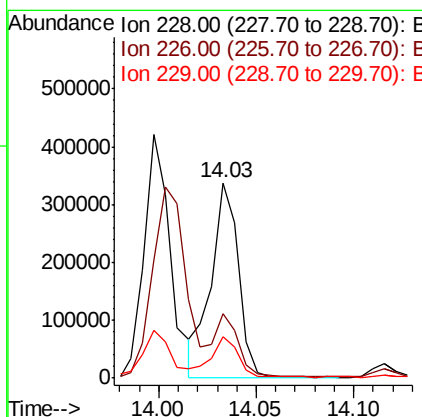
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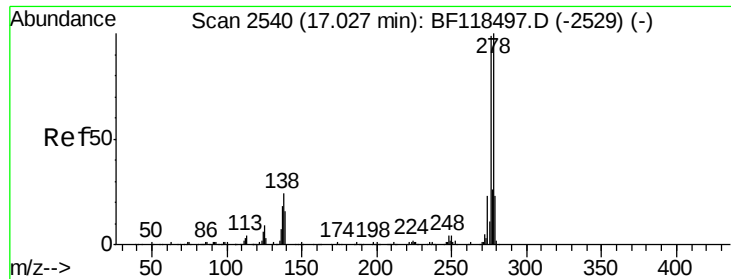
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#83
Chrysene
Concen: 16.280 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.03 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.1	23.6	35.4
229	21.0	15.6	23.4





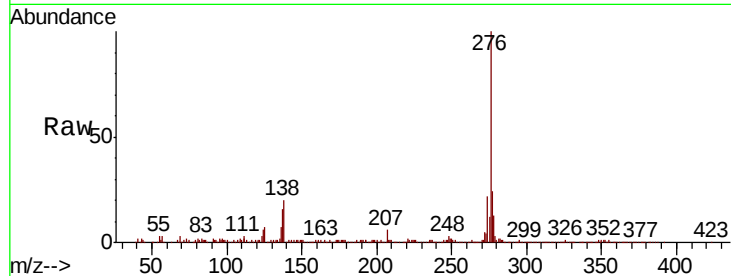
#86
Indeno(1,2,3-cd)pyrene
Concen: 15.221 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.05 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Instrument :
BNA_F
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
276	100	247510		
138	20.0	19.0	28.4	
277	23.5	20.5	30.7	

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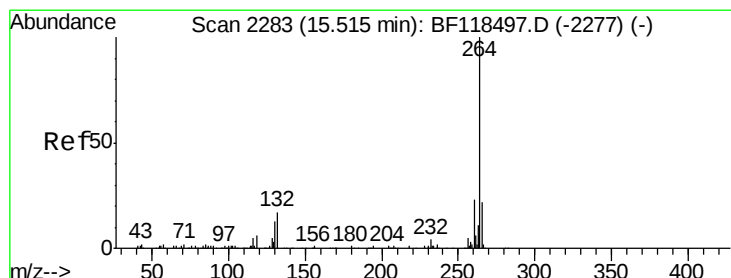
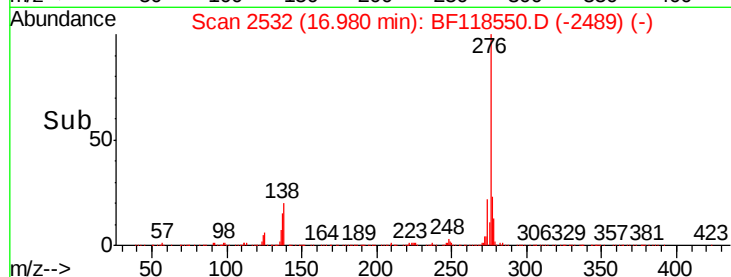
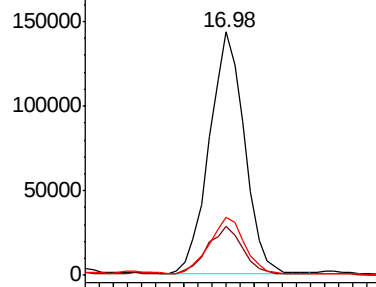


Abundance

Ion 276.00 (275.70 to 276.70): E

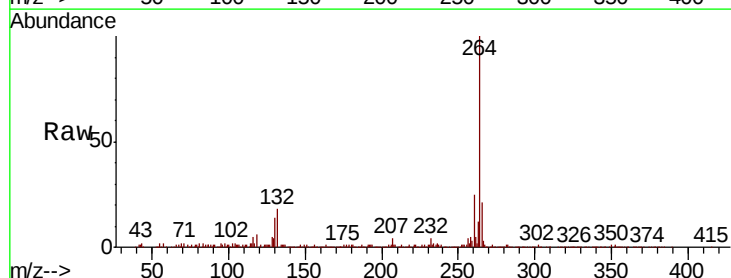
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.03 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	232685		
260	25.0	18.8	28.2	
265	21.5	17.5	26.3	

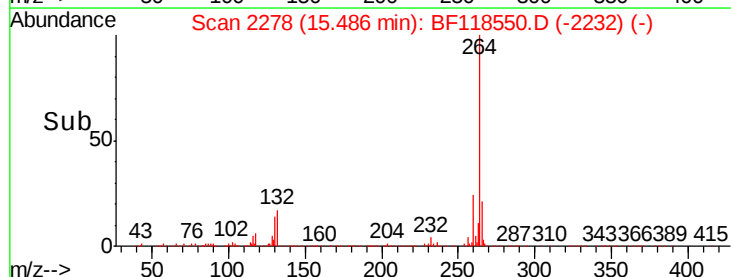
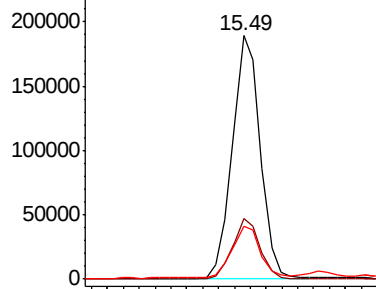


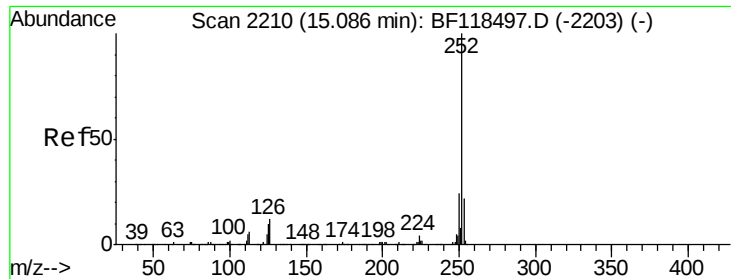
Abundance

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





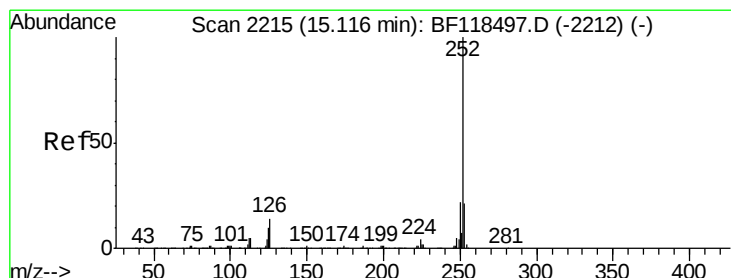
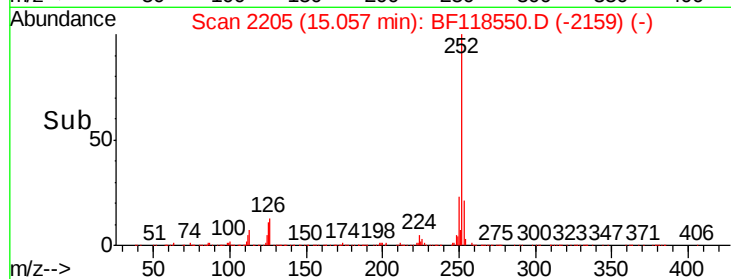
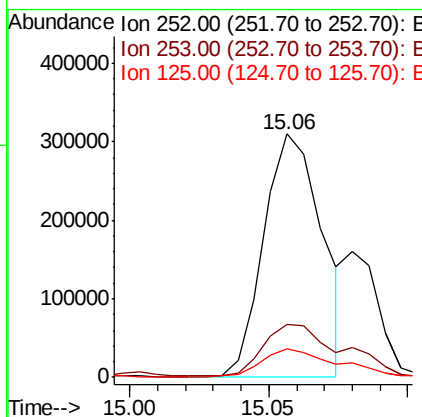
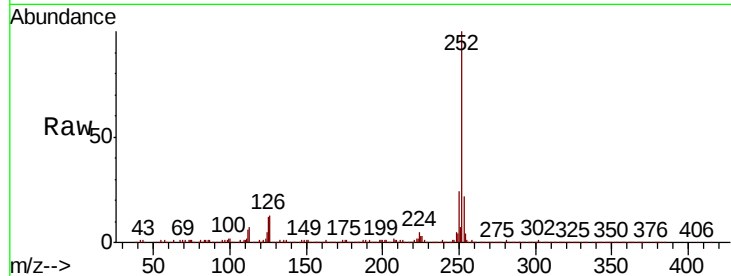
#88
Benzo(b)fluoranthene
Concen: 26.934 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.03 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Instrument :
BNA_F
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	11.9	7.8	11.6

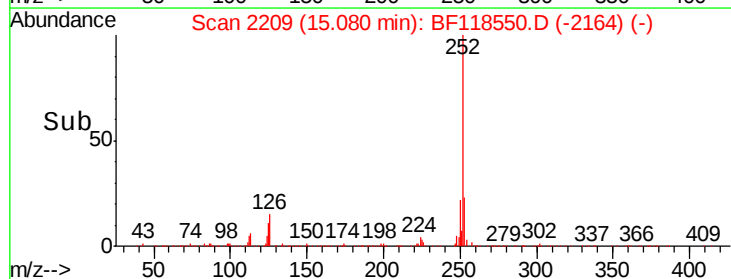
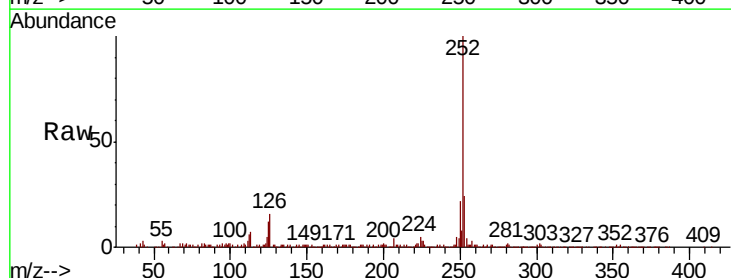
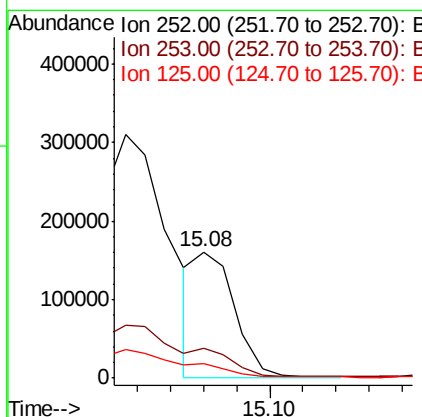
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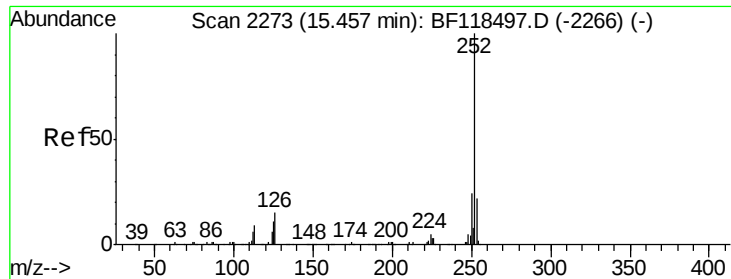
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#89
Benzo(k)fluoranthene
Concen: 8.421 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.4
125	11.6	7.8	11.6





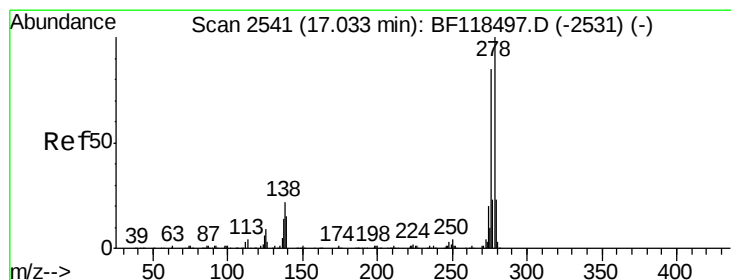
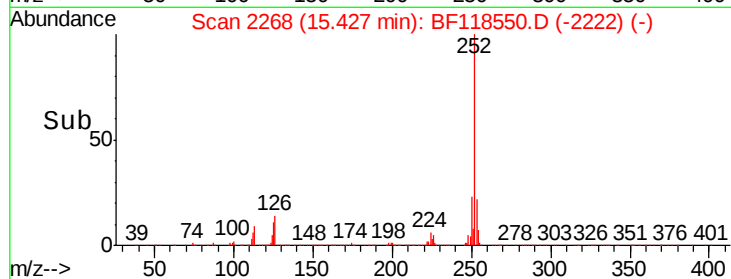
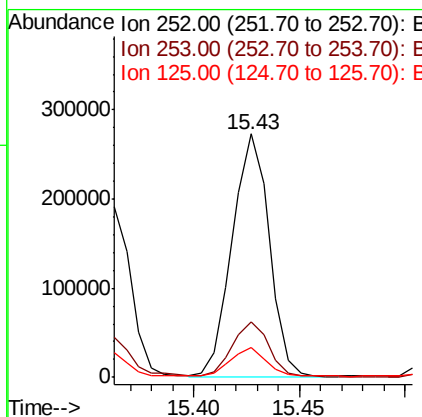
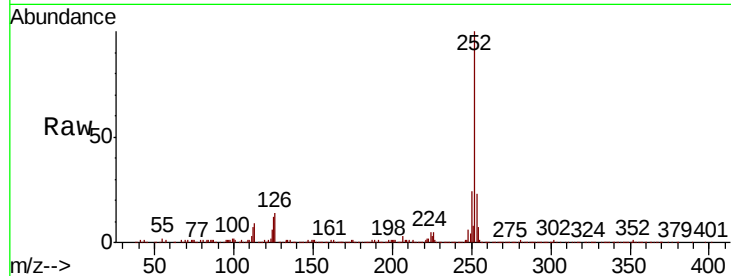
#90
Benzo(a)pyrene
Concen: 24.012 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.03 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Instrument :
BNA_F
ClientSampleId :
SB-17(2-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	12.1	9.0	13.6

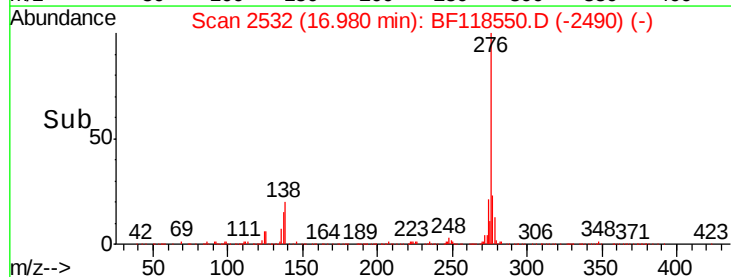
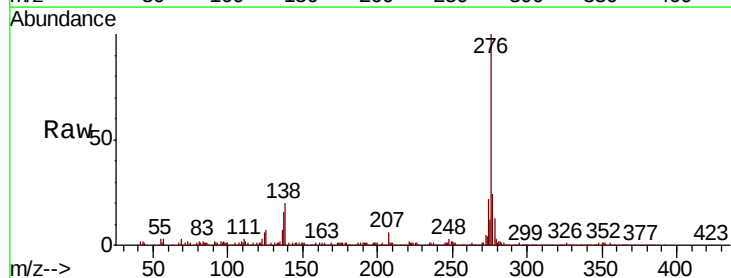
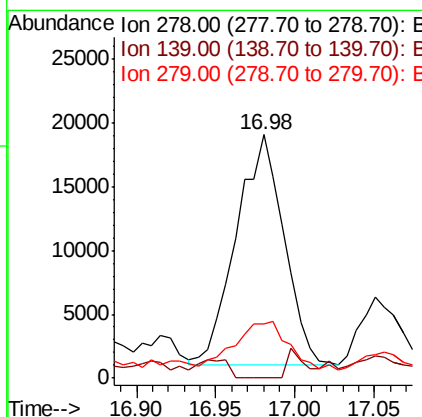
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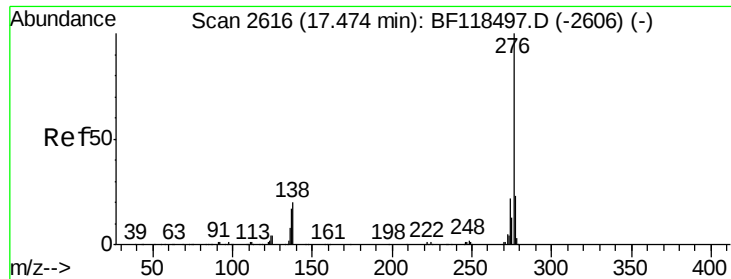
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.914 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.05 min
Lab File: BF118550.D
Acq: 14 Jan 2020 00:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.9	17.9#
279	22.5	18.6	27.8





#92
 Benzo(a,h,i)perylene
 Concen: 21.580 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. -0.04 min
 Lab File: BF118550.D
 Acq: 14 Jan 2020 00:22

Instrument :
 BNA_F
 ClientSampleId :
 SB-17(2-4)

Tot Ion:	276	Resp:	264316
Ion Ratio		Lower	Upper
276	100		
277	23.1	18.2	27.4
138	21.0	16.3	24.5

Manual Integrations
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