

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118329.D
 Acq On : 26 Dec 2019 21:11
 Operator : JU
 Sample : K6396-08 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3-(3-4)

Manual Integrations
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 12/27/2019 3:19:43 PM

Quant Time: Dec 27 06:01:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	141256	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	552814	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	262595	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	378195	20.00	ng	0.00
76) Chrysene-d12	14.05	240	327306	20.00	ng	0.00
87) Perylene-d12	15.54	264	264530	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	303024	36.62	ng	0.00
7) Phenol-d6	6.48	99	390816	38.07	ng	0.00
23) Nitrobenzene-d5	7.42	82	230076	23.80	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	79864	24.63	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	443405	25.78	ng	0.00
79) Terphenyl-d14	12.98	244	349098	17.69	ng	0.00
Target Compounds						
17) 2-Methylphenol	7.12	107	17074m	2.271	ng	Qvalue
49) Acenaphthylene	9.76	152	122427	4.938	ng	97
71) Phenanthrene	11.42	178	612828	29.724	ng	99
72) Anthracene	11.47	178	187195	9.071	ng	98
75) Fluoranthene	12.62	202	1175259	56.483	ng	98
78) Pyrene	12.84	202	1024475	38.330	ng	99
81) Benzo(a)anthracene	14.04	228	901018	39.328	ng	96
83) Chrysene	14.07	228	650103	29.635	ng	97
86) Indeno(1,2,3-cd)pyrene	17.04	276	227269	12.159	ng	97
88) Benzo(b)fluoranthene	15.11	252	858105m	48.868	ng	
89) Benzo(k)fluoranthene	15.13	252	318119m	18.868	ng	
90) Benzo(a)pyrene	15.48	252	485176	31.366	ng	96
91) Dibenzo(a,h)anthracene	17.05	278	71989	5.363	ng	# 88
92) Benzo(g,h,i)perylene	17.50	276	185798	14.329	ng	98

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

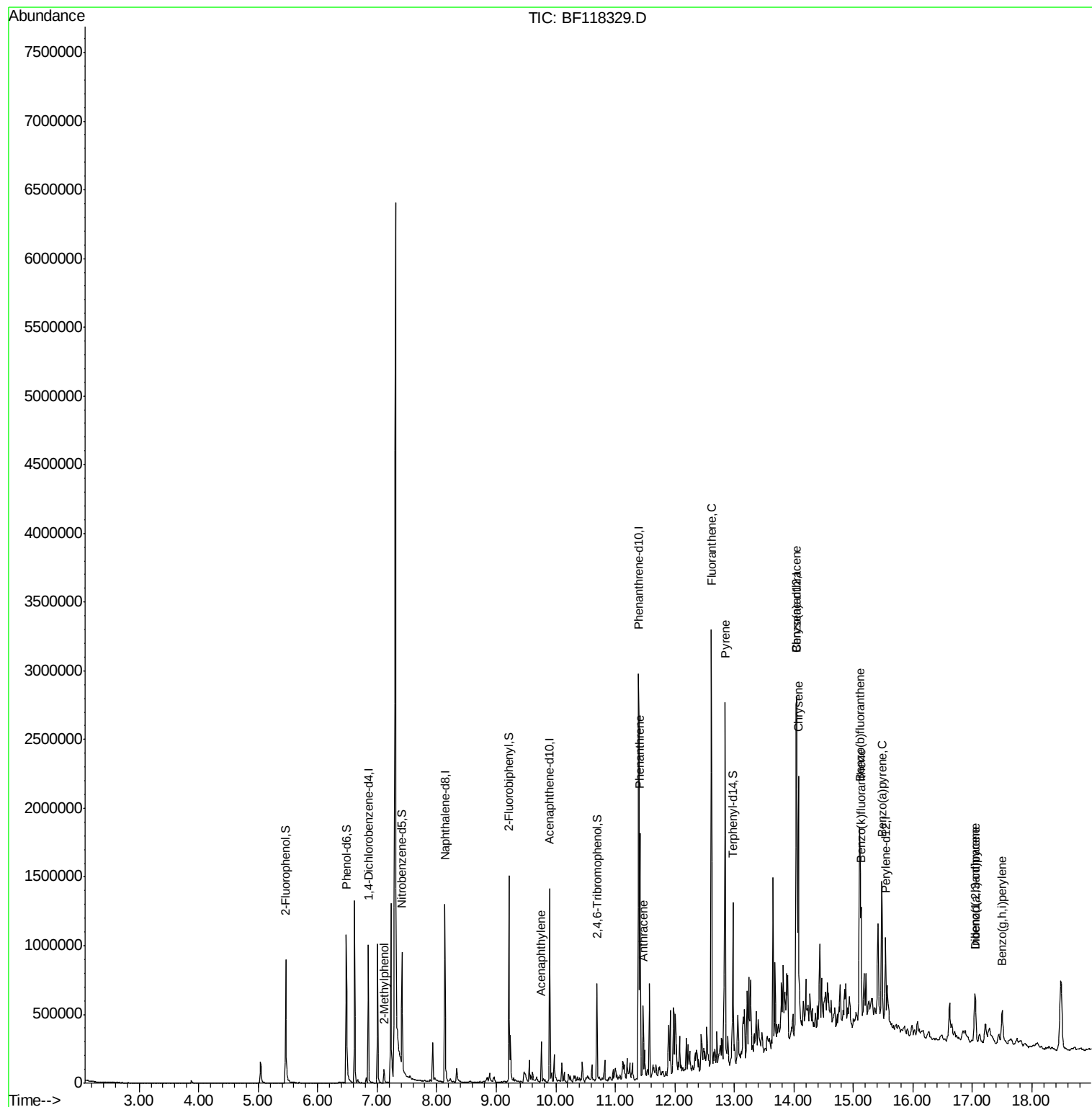
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118329.D
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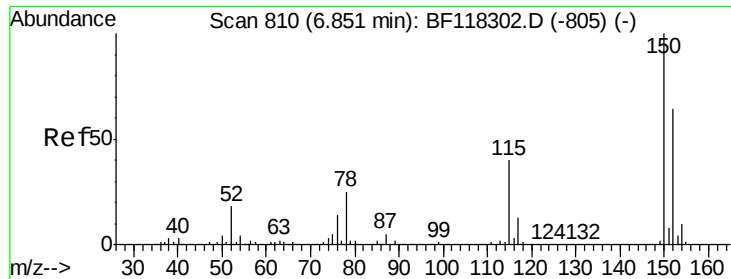
Instrument :
BNA_F
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SB-3-(3-4)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

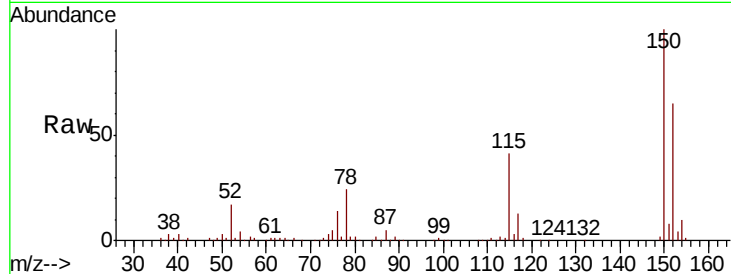
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Instrument :
BNA_F
ClientSampleId :
SB-3-(3-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	125.4	188.2
115	62.8	50.2	75.4

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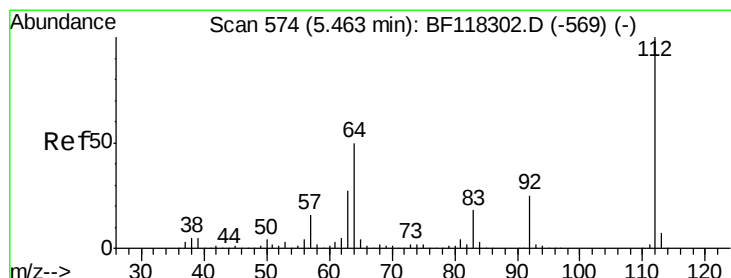
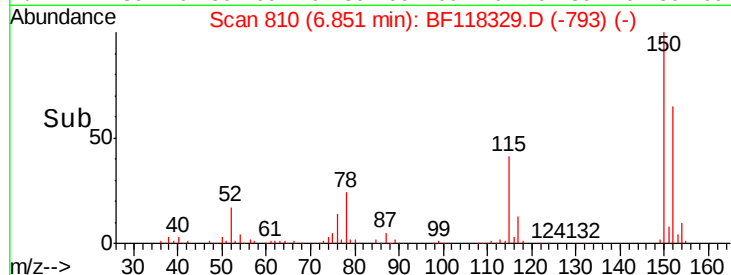
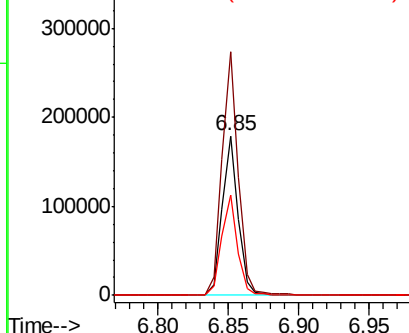


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

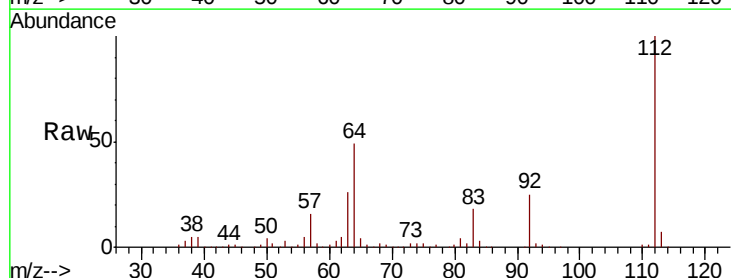
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 36.619 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.9	39.7	59.5
63	26.5	21.7	32.5

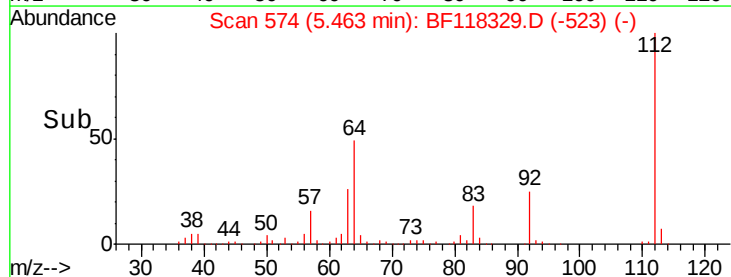
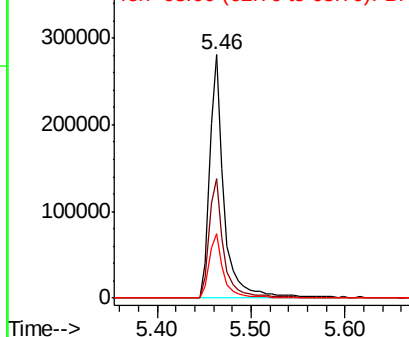


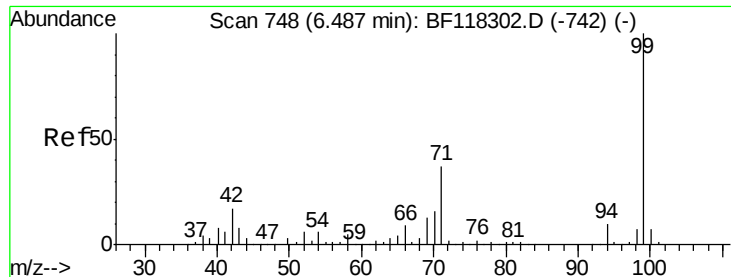
Abundance

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: 38.071 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118329.D

Acq: 26 Dec 2019 21:11

Instrument :

BNA_F

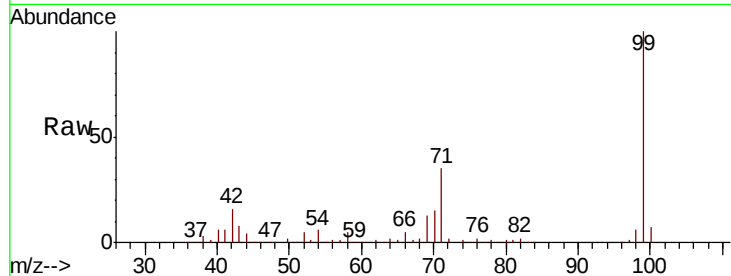
ClientSampled :

SB-3-(3-4)

Tot Ion:	99	Resp:	390816
Ion Ratio	Lower	Upper	
99	100		
42	16.5	13.5	20.3
71	35.4	29.4	44.2

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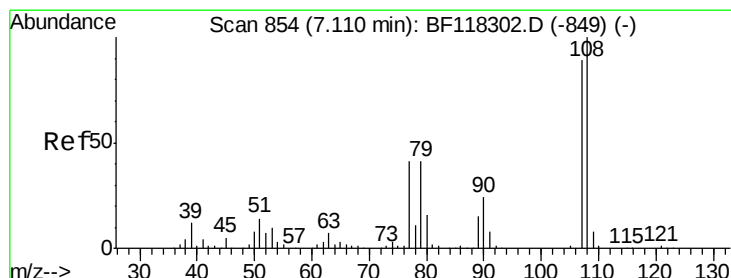
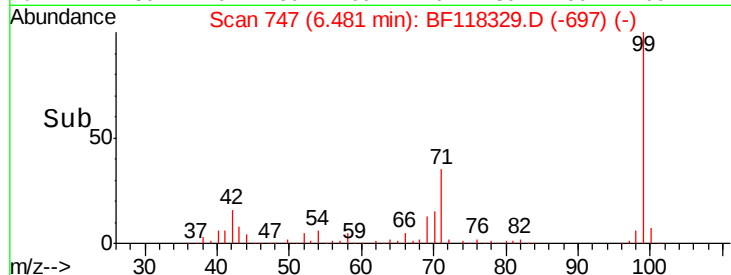
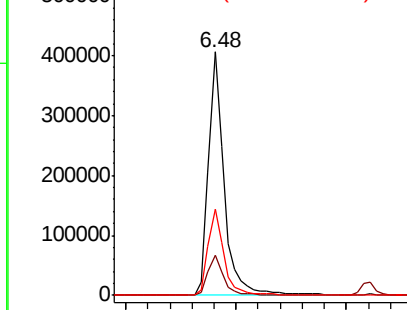


Abundance

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



#17

2-Methylphenol

Concen: 2.271 ng m

RT: 7.12 min Scan# 855

Delta R.T. 0.01 min

Lab File: BF118329.D

Acq: 26 Dec 2019 21:11

Tgt Ion:	107	Resp:	17074
Ion Ratio	Lower	Upper	
107	100		
108	118.9	89.7	134.5
77	45.5	37.2	55.8
79	45.8	36.7	55.1

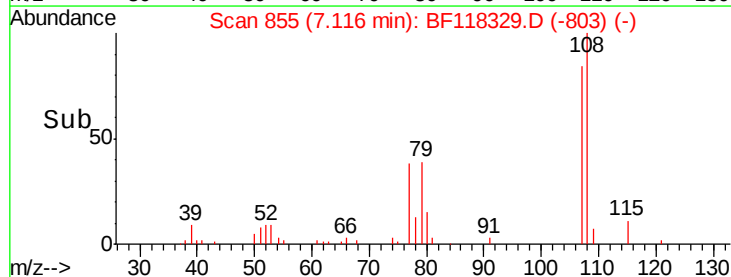
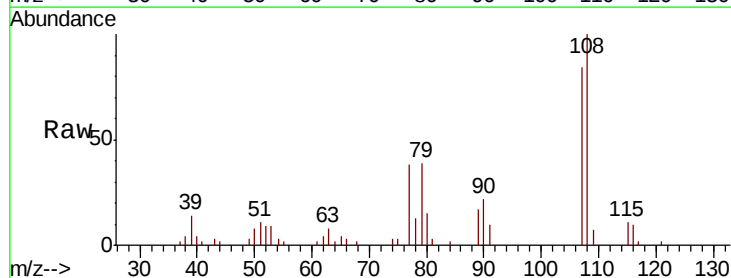
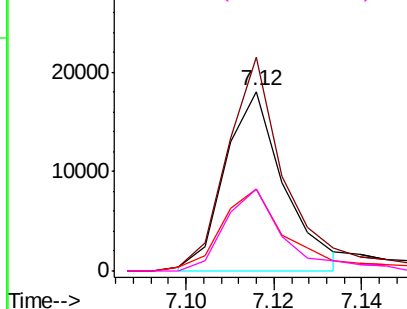
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





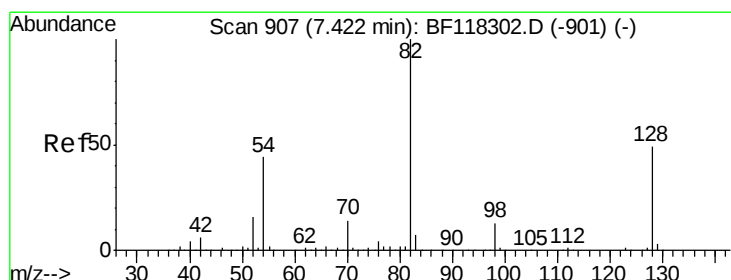
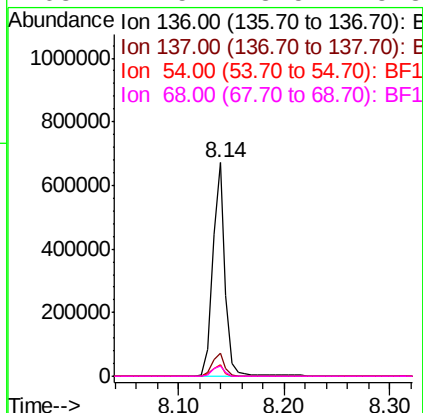
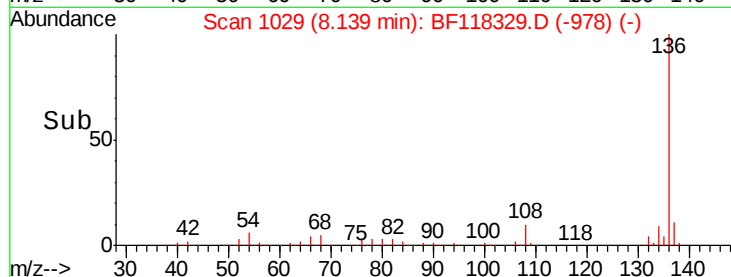
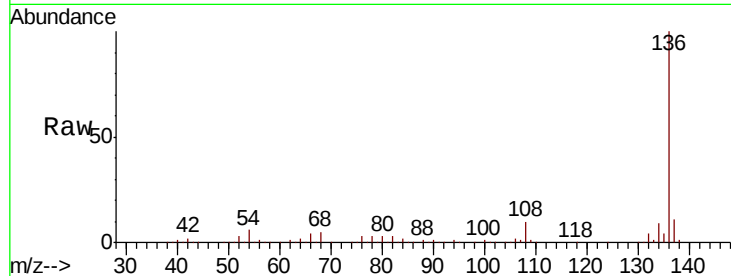
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Instrument :
BNA_F
ClientSampled :
SB-3-(3-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		552814		
137	11.0		8.9	13.3	
54	5.6		4.2	6.4	
68	4.5		3.5	5.3	

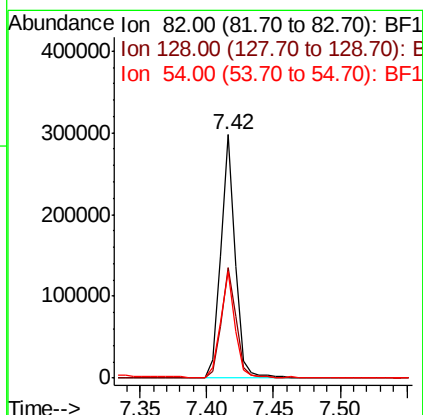
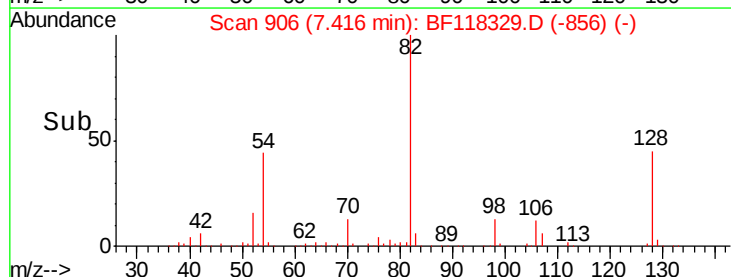
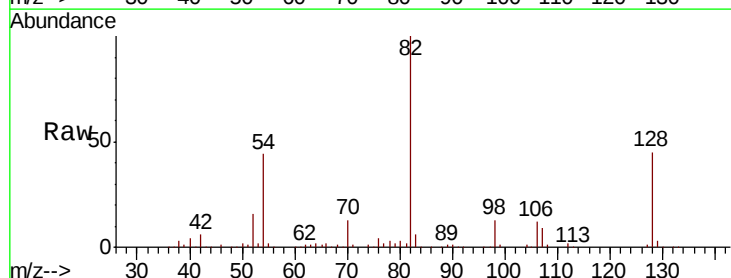
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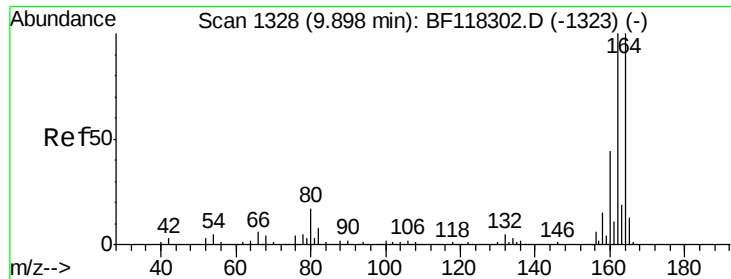
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#23
Nitrobenzene-d5
Concen: 23.804 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		230076		
128	45.3		39.6	59.4	
54	43.7		34.9	52.3	





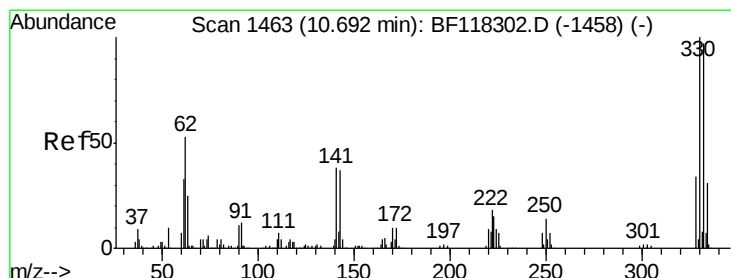
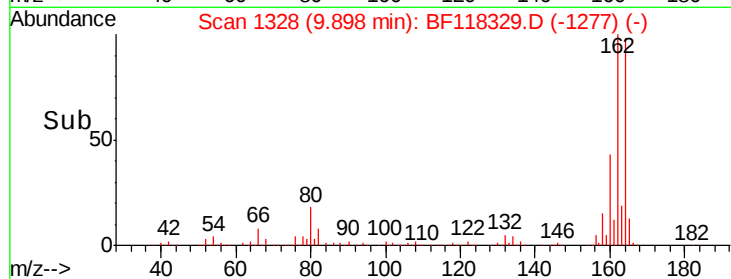
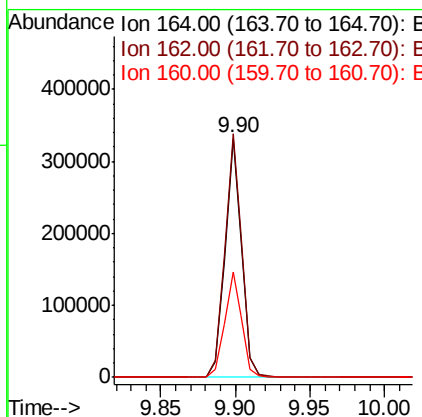
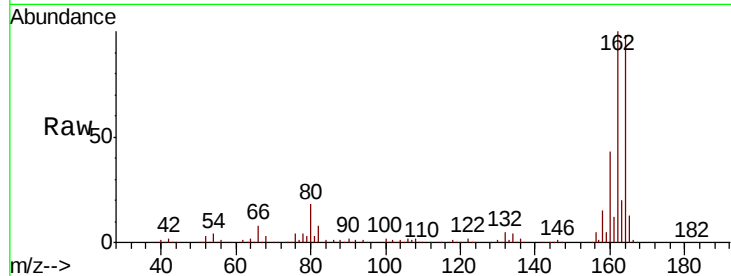
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: BF118329.D
 Acq: 26 Dec 2019 21:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-3-(3-4)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	80.0	120.0	
160	44.1	34.8	52.2	

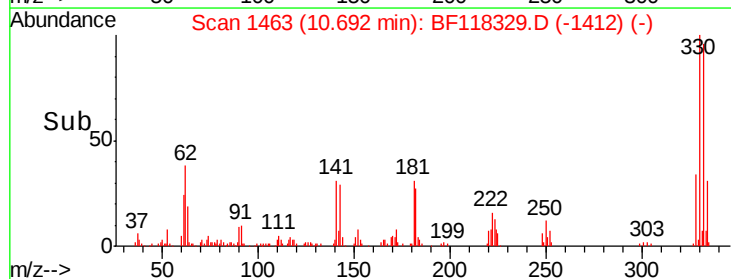
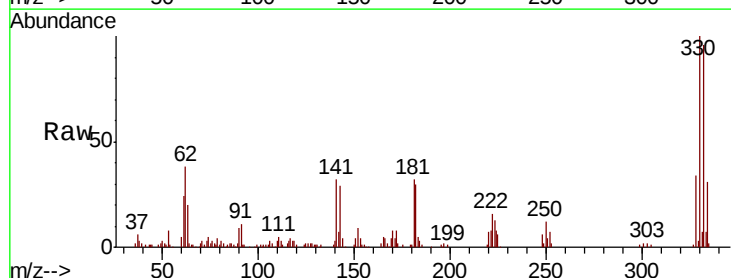
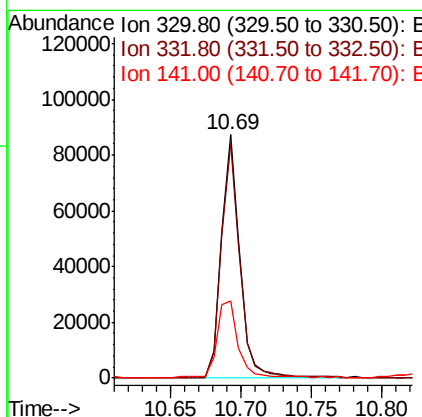
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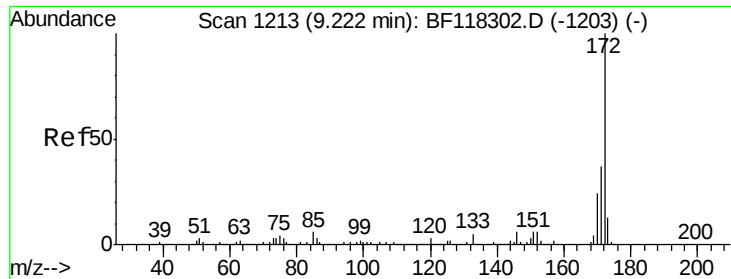
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#42
 2,4,6-Tribromophenol
 Concen: 24.628 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF118329.D
 Acq: 26 Dec 2019 21:11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.4	76.6	114.8	
141	37.9	26.0	39.0	





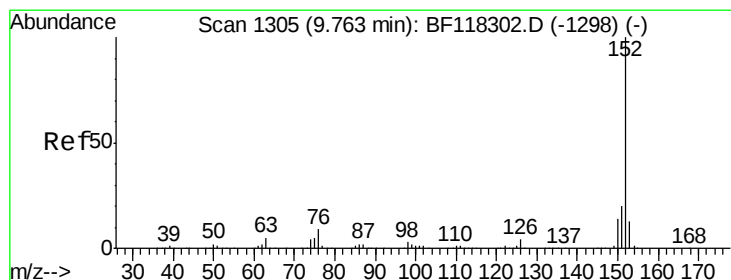
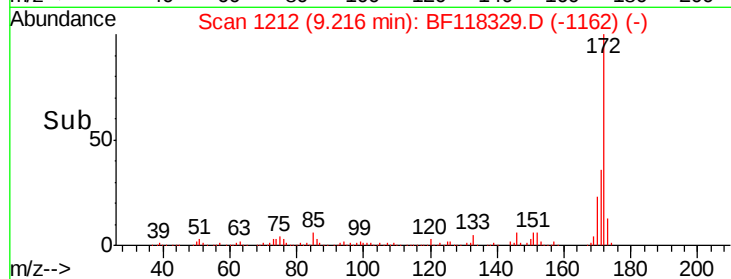
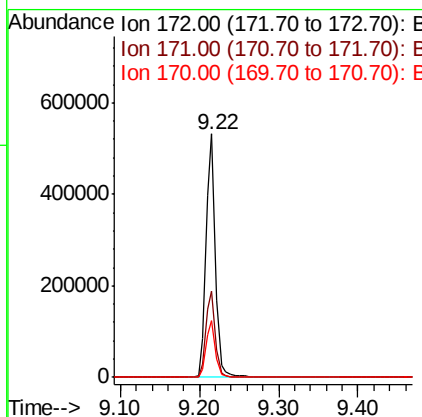
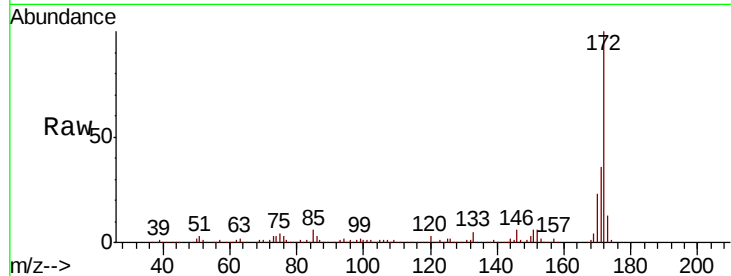
#45
2-Fluorobiphenyl
Concen: 25.775 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Instrument :
BNA_F
ClientSampleId :
SB-3-(3-4)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.3	43.9
170	23.1	19.2	28.8

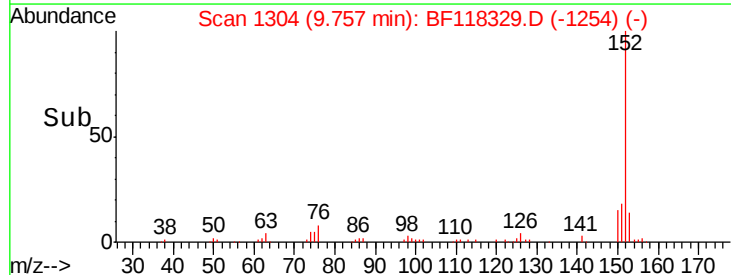
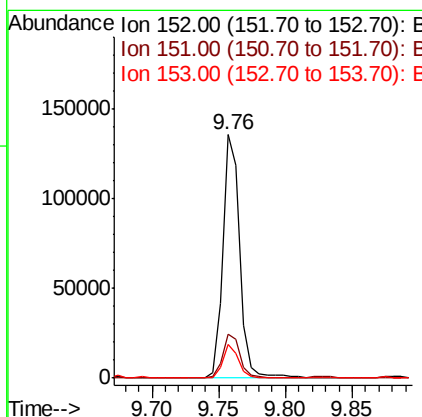
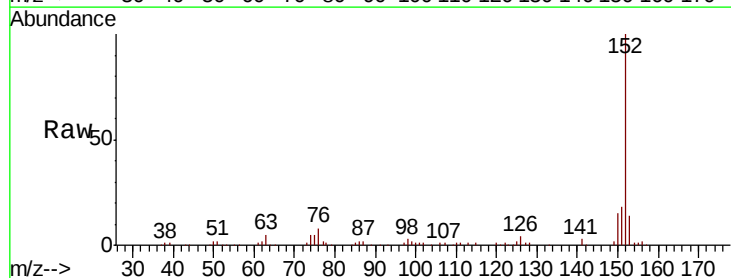
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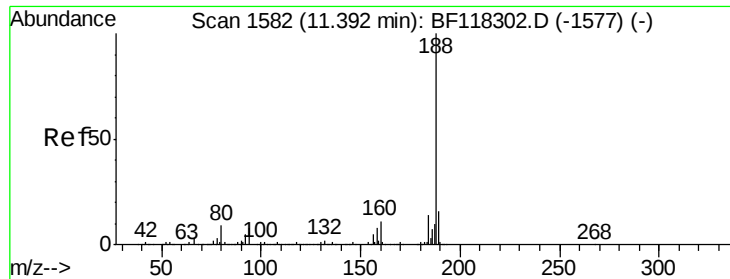
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#49
Acenaphthylene
Concen: 4.938 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.2	16.2	24.2
153	13.7	10.5	15.7





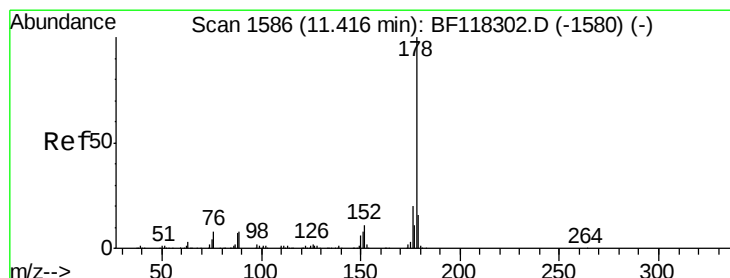
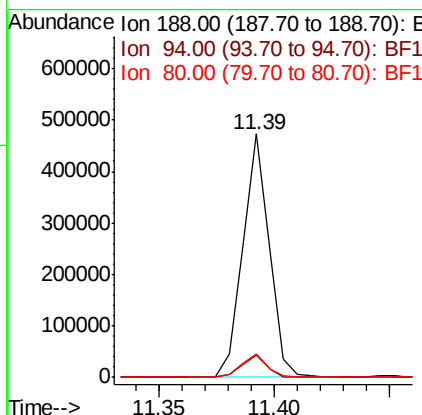
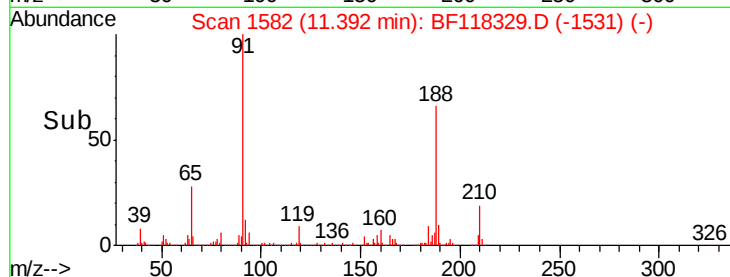
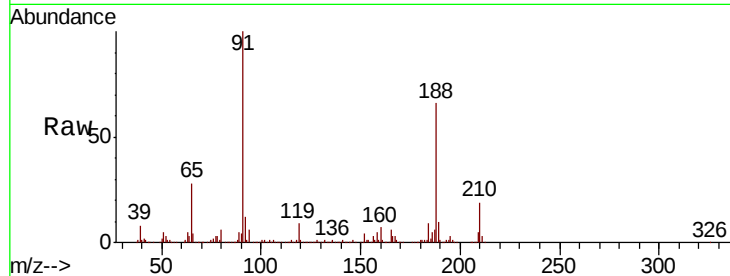
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Instrument :
BNA_F
ClientSampleId :
SB-3-(3-4)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	6.7	10.1
80	9.6	7.2	10.8

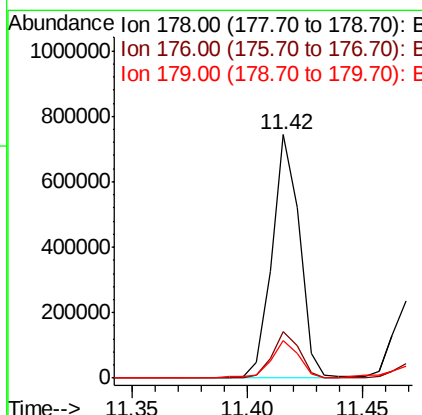
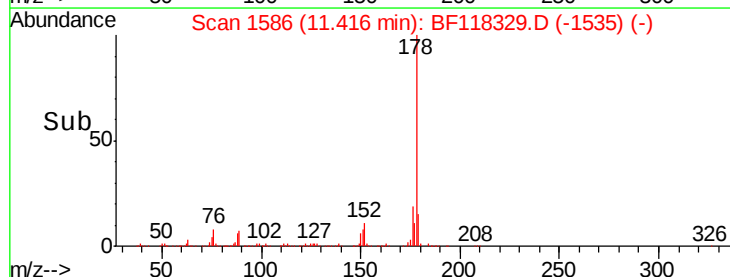
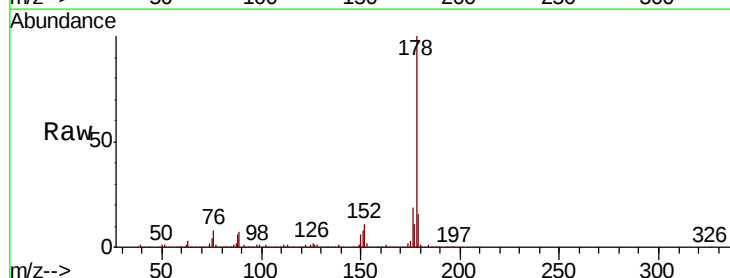
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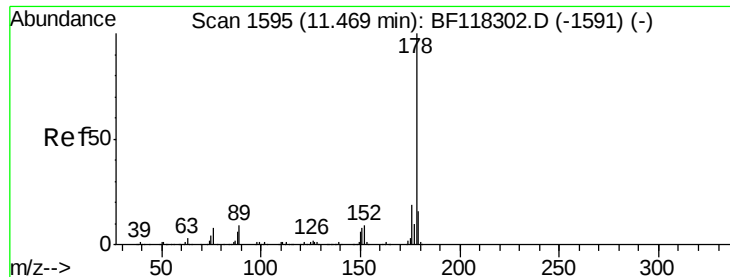
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#71
Phenanthrene
Concen: 29.724 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.6	23.4
179	15.5	12.6	19.0





#72

Anthracene

Concen: 9.071 ng

RT: 11.47 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BF118329.D

Acq: 26 Dec 2019 21:11

Instrument :

BNA_F

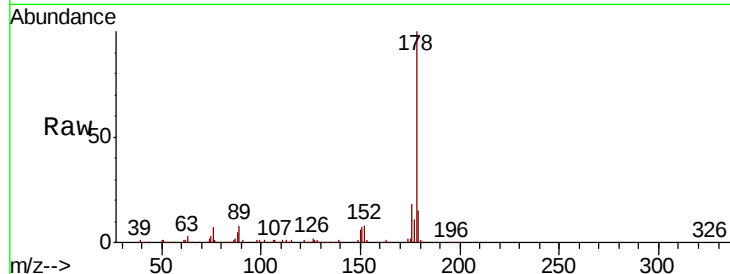
ClientSampleId :

SB-3-(3-4)

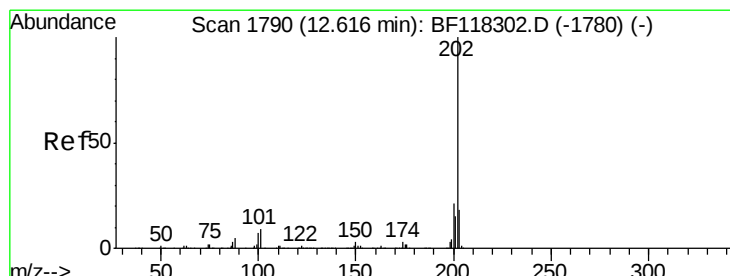
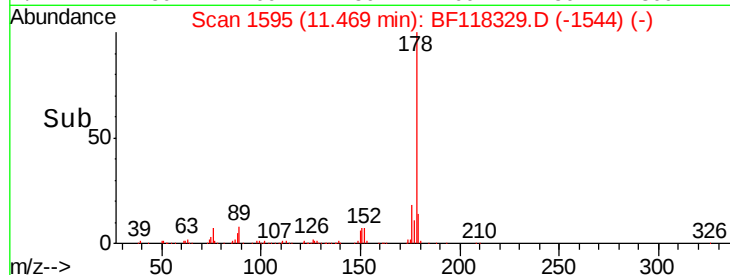
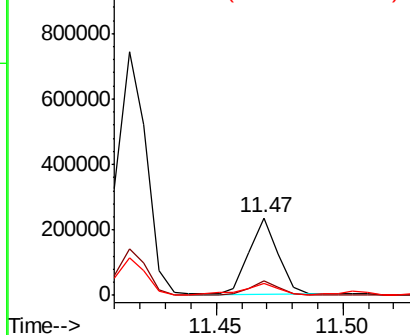
Tot Ion:	178	Resp:	187195
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.2	22.8
179	14.7	12.9	19.3

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



#75

Fluoranthene

Concen: 56.483 ng

RT: 12.62 min Scan# 1790

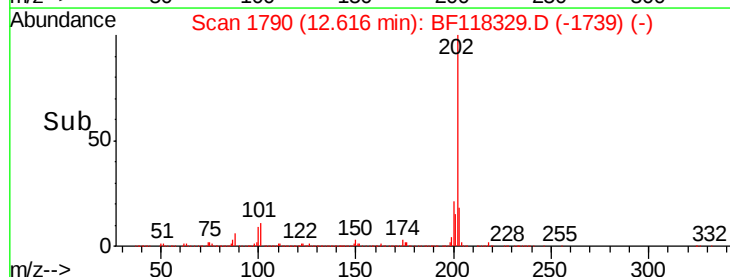
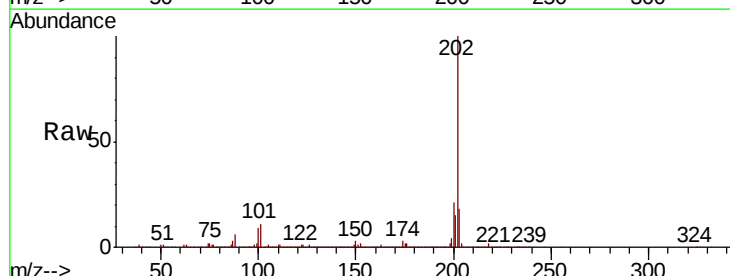
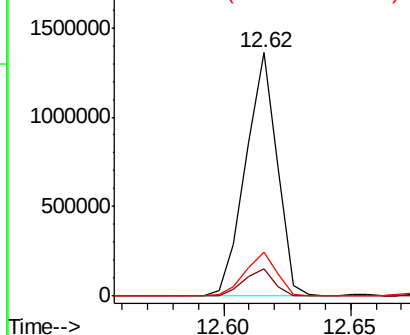
Delta R.T. 0.00 min

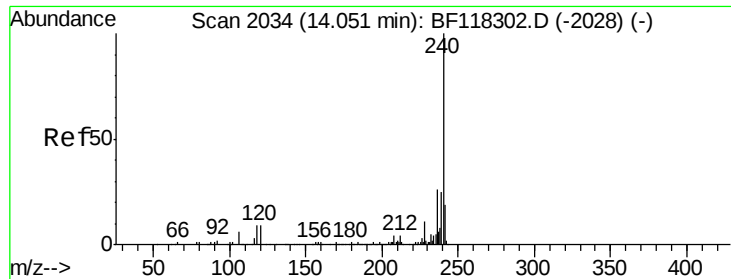
Lab File: BF118329.D

Acq: 26 Dec 2019 21:11

Tgt Ion:	202	Resp:	1175259
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	29.5
203	17.9	0.0	37.6

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





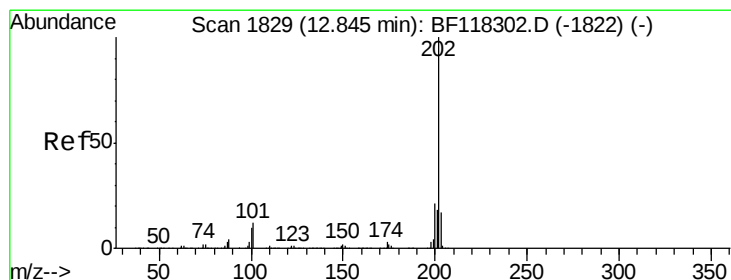
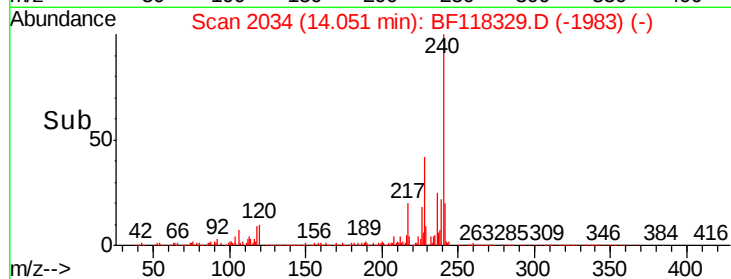
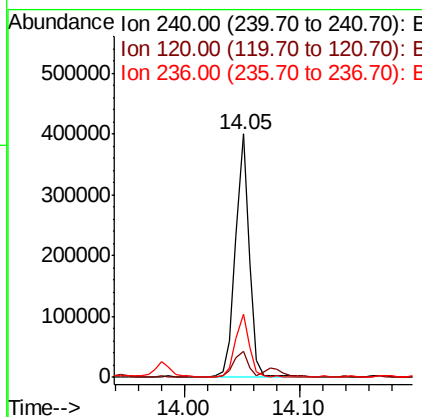
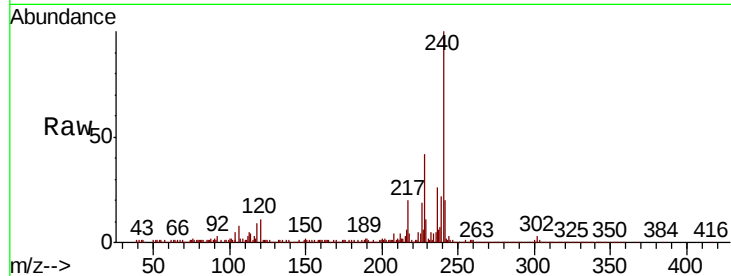
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Instrument :
BNA_F
ClientSampleId :
SB-3-(3-4)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	7.1	10.7
236	25.7	21.0	31.6

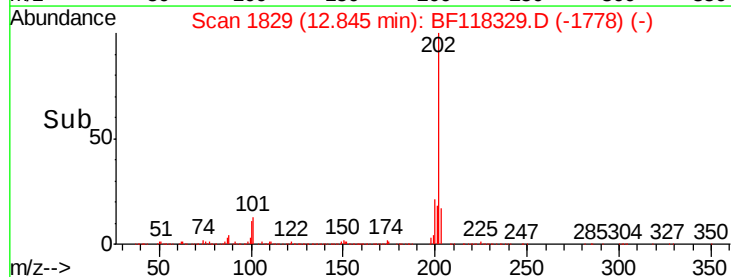
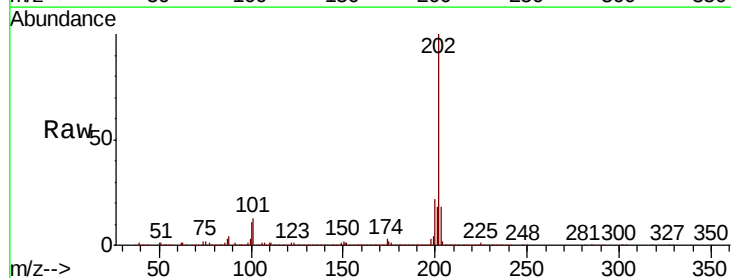
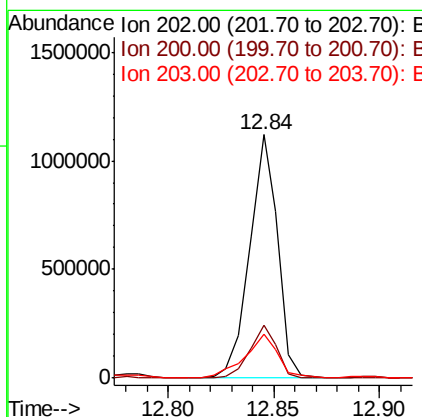
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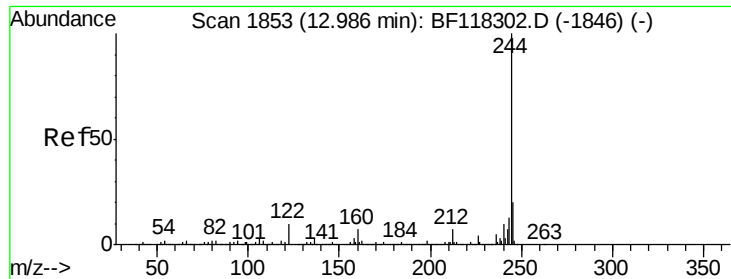
mohammad
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#78
Pyrene
Concen: 38.330 ng
RT: 12.84 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	18.0	13.9	20.9





#79

Terphenyl-d14

Concen: 17.695 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF118329.D

Acq: 26 Dec 2019 21:11

Instrument :

BNA_F

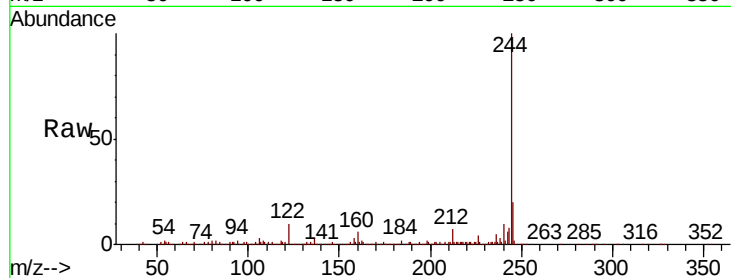
ClientSampled :

SB-3-(3-4)

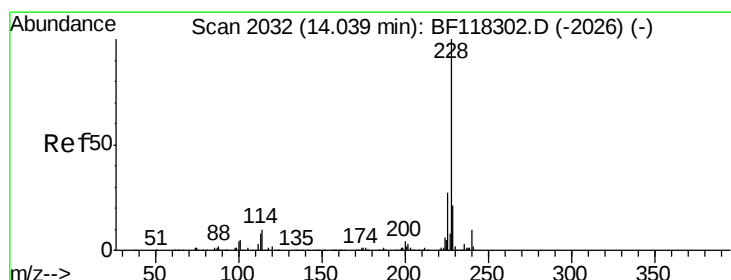
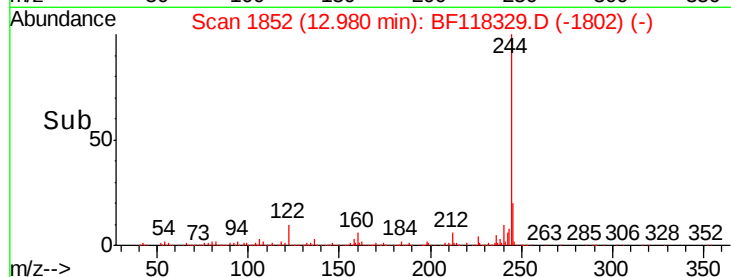
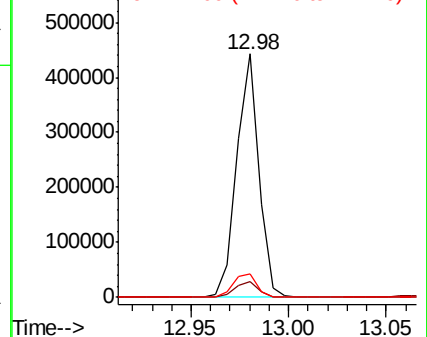
Tot Ion:	244	Resp:	349098
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.2
122	9.6	7.8	11.8

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 39.328 ng

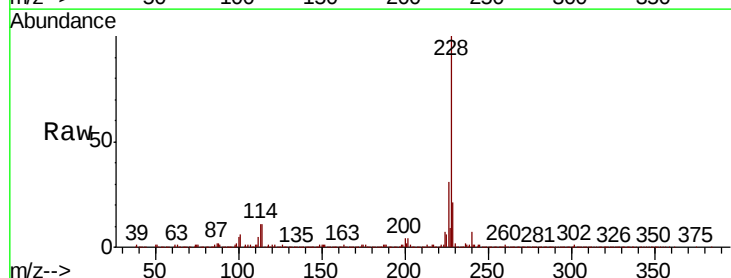
RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

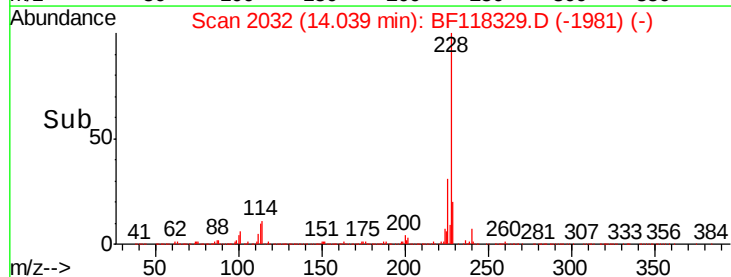
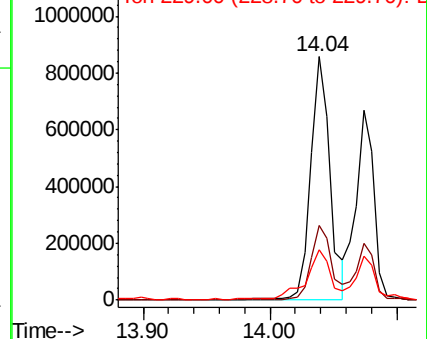
Lab File: BF118329.D

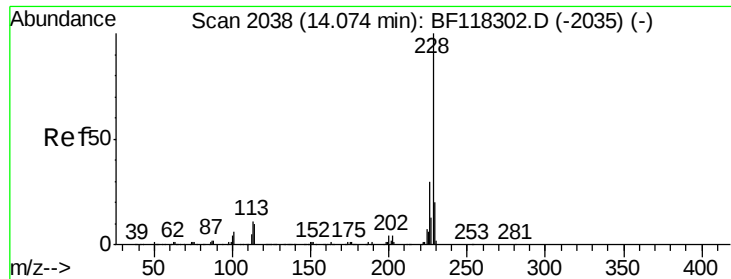
Acq: 26 Dec 2019 21:11

Tgt Ion:	228	Resp:	901018
Ion Ratio	Lower	Upper	
228	100		
226	30.9	22.0	33.0
229	20.6	16.6	24.8



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





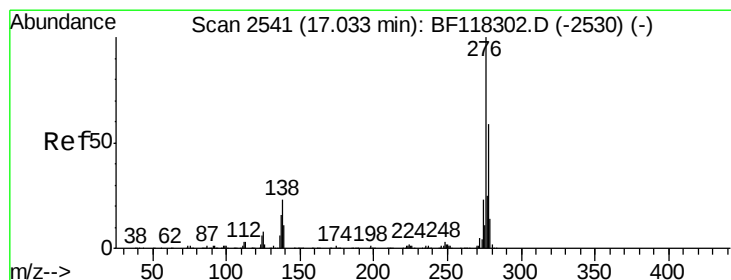
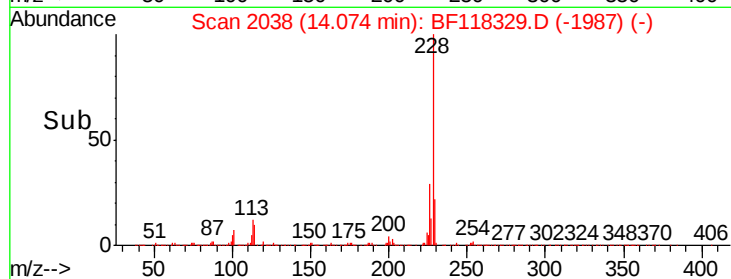
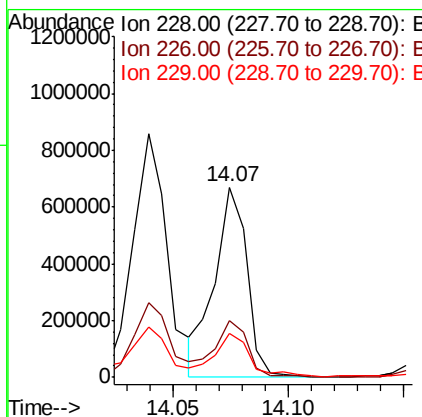
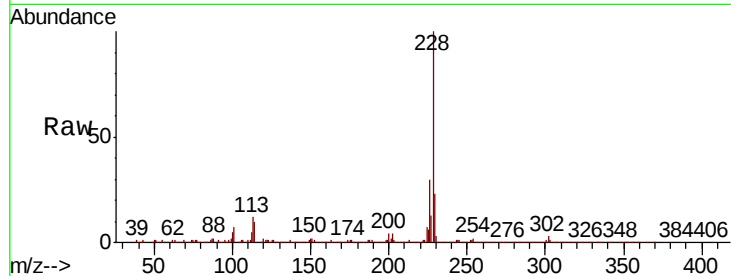
#83
Chrysene
Concen: 29.635 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Instrument :
BNA_F
ClientSampleId :
SB-3-(3-4)

Tot Ion:	228	Resp:	650103
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.9	35.9
229	23.0	16.1	24.1

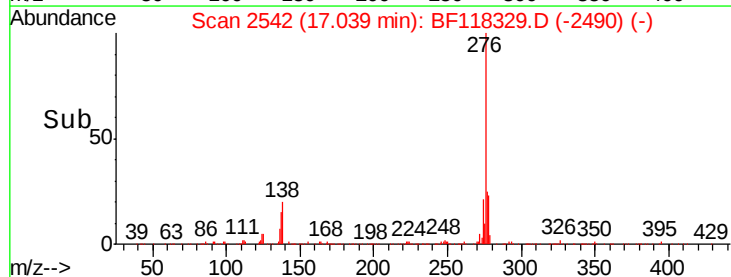
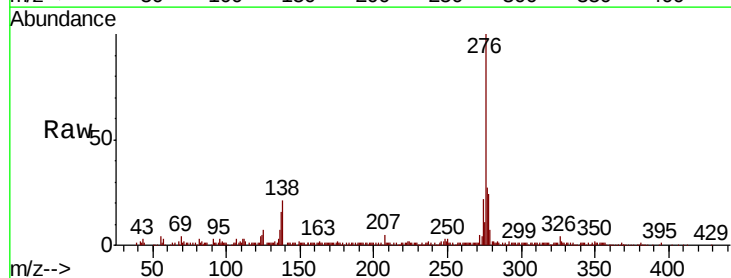
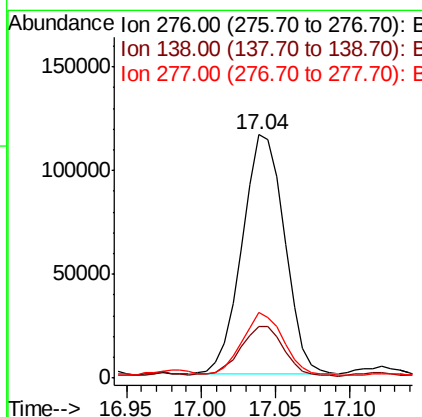
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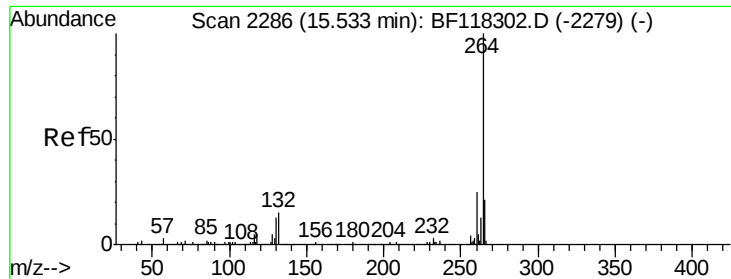
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#86
Indeno(1,2,3-cd)pyrene
Concen: 12.159 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Tgt Ion:	276	Resp:	227269
Ion Ratio	Lower	Upper	
276	100		
138	21.7	19.5	29.3
277	25.5	20.6	30.8





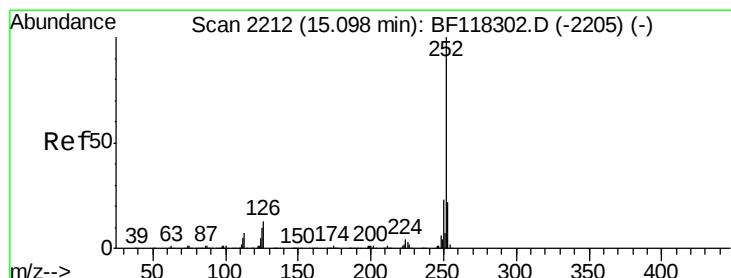
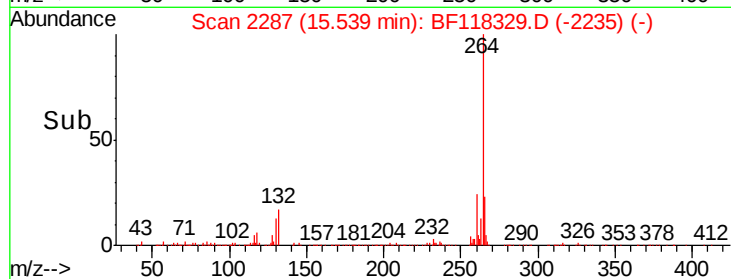
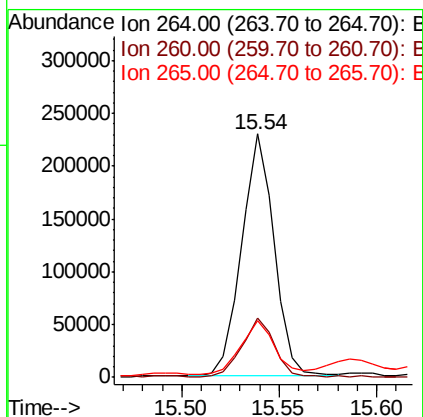
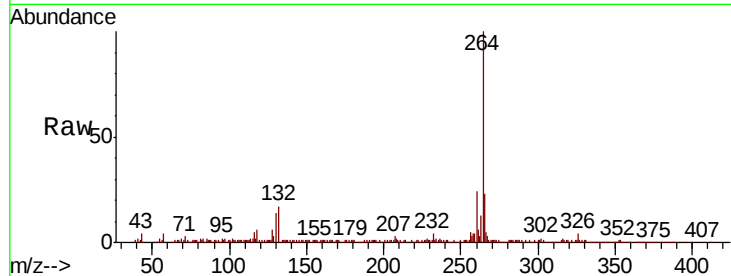
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Instrument :
BNA_F
ClientSampleId :
SB-3-(3-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.8	29.6
265	23.5	17.0	25.4

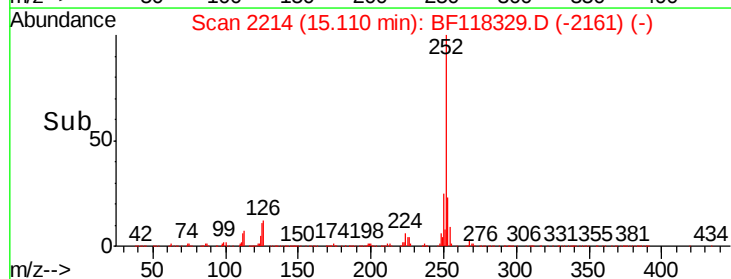
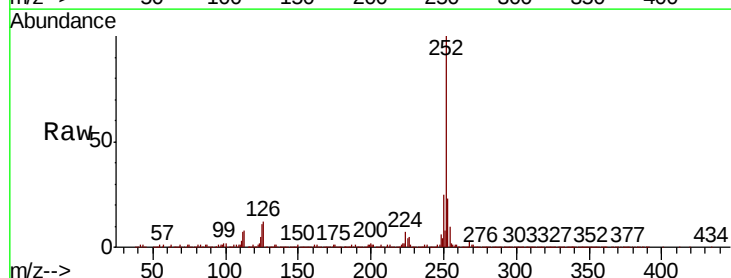
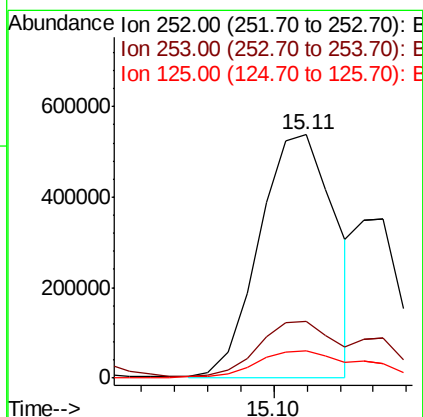
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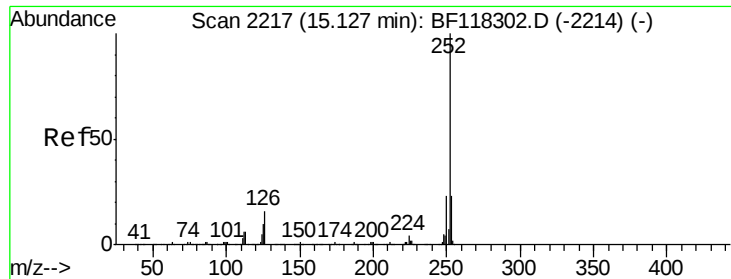
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#88
Benzo(b)fluoranthene
Concen: 48.868 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	11.1	7.7	11.5





#89

Benzo(k)fluoranthene

Concen: 18.868 ng m

RT: 15.13 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BF118329.D

Acq: 26 Dec 2019 21:11

Instrument :

BNA_F

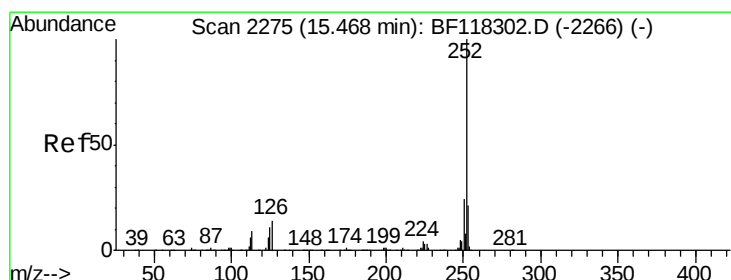
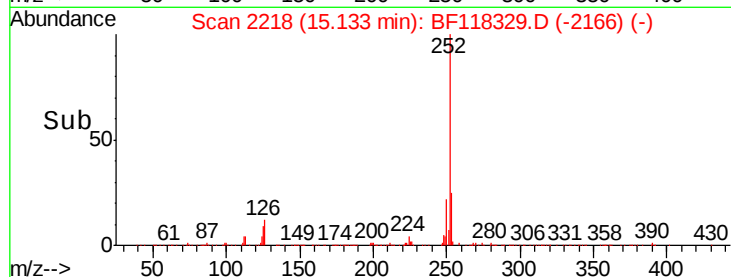
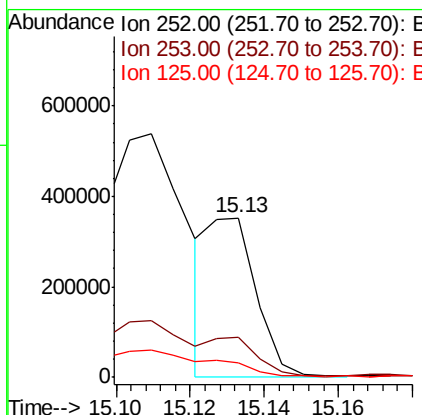
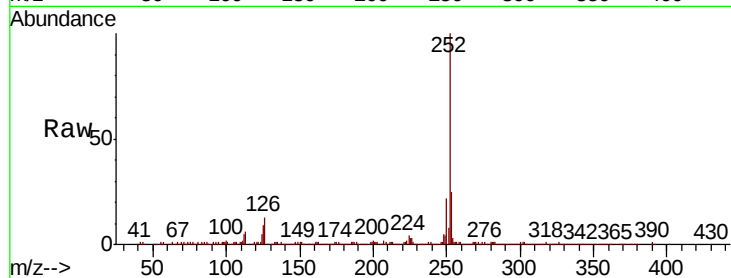
ClientSampleId :

SB-3-(3-4)

Tot Ion:	252	Resp:	318119
Ion Ratio	Lower	Upper	
252	100		
253	25.3	18.0	27.0
125	9.2	8.0	12.0

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#90

Benzo(a)pyrene

Concen: 31.366 ng

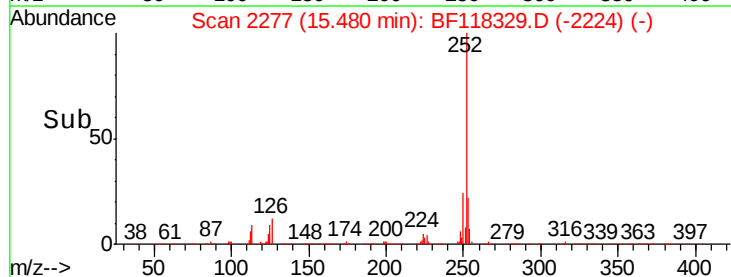
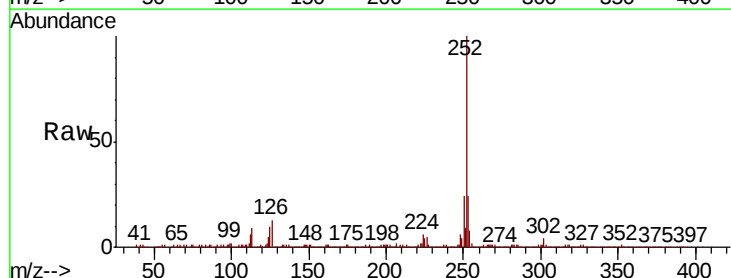
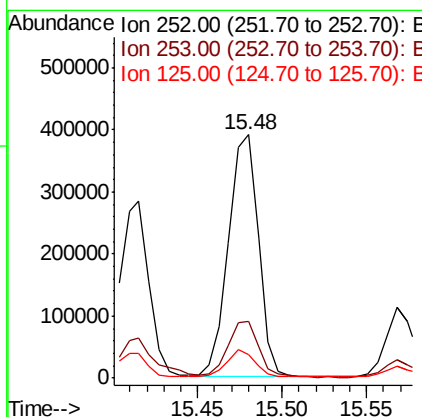
RT: 15.48 min Scan# 2277

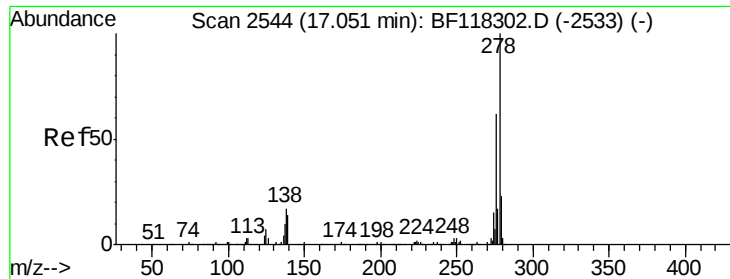
Delta R.T. 0.01 min

Lab File: BF118329.D

Acq: 26 Dec 2019 21:11

Tgt Ion:	252	Resp:	485176
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.0	25.6
125	9.8	9.0	13.4





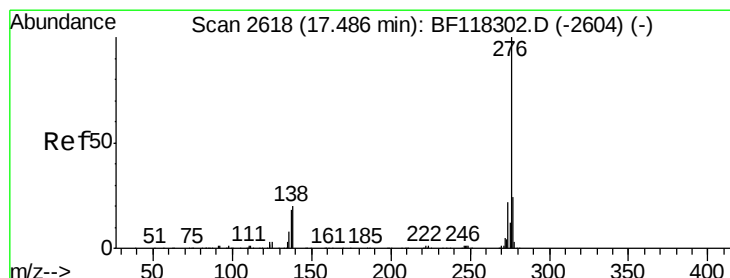
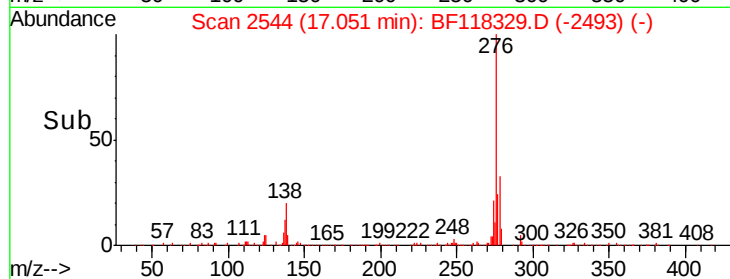
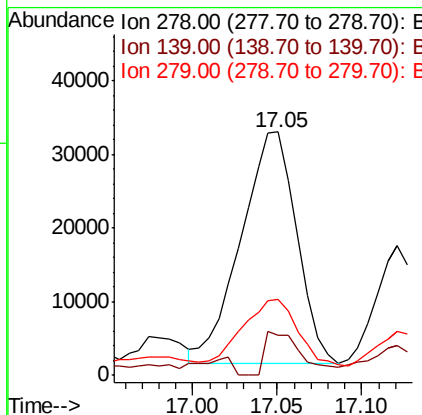
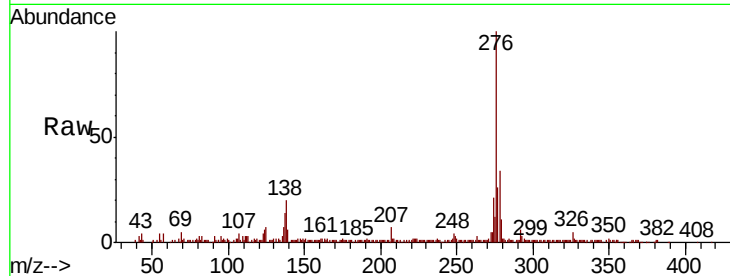
#91
Dibenzo(a,h)anthracene
Concen: 5.363 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.00 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Instrument :
BNA_F
ClientSampleId :
SB-3-(3-4)

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.5	11.5	17.3
279	31.0	18.3	27.5#

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#92
Benzo(g,h,i)perylene
Concen: 14.329 ng
RT: 17.50 min Scan# 2620
Delta R.T. 0.01 min
Lab File: BF118329.D
Acq: 26 Dec 2019 21:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.1	28.7
138	20.9	16.1	24.1

