

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
 Data File : BF118344.D
 Acq On : 27 Dec 2019 18:11
 Operator : JU
 Sample : K6431-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4-(0-2)

Manual Integrations
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Quant Time: Dec 28 01:48:23 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	151503	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	606618	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	320458	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	571188	20.00	ng	0.00
76) Chrysene-d12	14.04	240	338744	20.00	ng	0.00
87) Perylene-d12	15.54	264	380552	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	822196	92.64	ng	0.00
7) Phenol-d6	6.49	99	1040845	94.53	ng	0.00
23) Nitrobenzene-d5	7.42	82	634077	59.78	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	340047	85.93	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1267225	60.36	ng	0.00
79) Terphenyl-d14	12.98	244	1296418	63.49	ng	0.00
Target Compounds						
10) Phenol	6.50	94	25221	2.038	ng	92
50) Dimethylphthalate	9.61	163	175676	7.303	ng	100
71) Phenanthrene	11.42	178	255675	8.211	ng	98
75) Fluoranthene	12.61	202	440161	14.007	ng	98
78) Pyrene	12.85	202	366187	13.238	ng	99
81) Benzo(a)anthracene	14.03	228	162686	6.861	ng	98
83) Chrysene	14.07	228	152272	6.707	ng	98
86) Indeno(1,2,3-cd)pyrene	17.04	276	108689	5.618	ng	95
88) Benzo(b)fluoranthene	15.10	252	212101m	8.396	ng	
89) Benzo(k)fluoranthene	15.13	252	73016m	3.010	ng	
90) Benzo(a)pyrene	15.47	252	149640	6.725	ng	97
92) Benzo(a,h,i)perylene	17.49	276	100710	5.399	ng	96

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

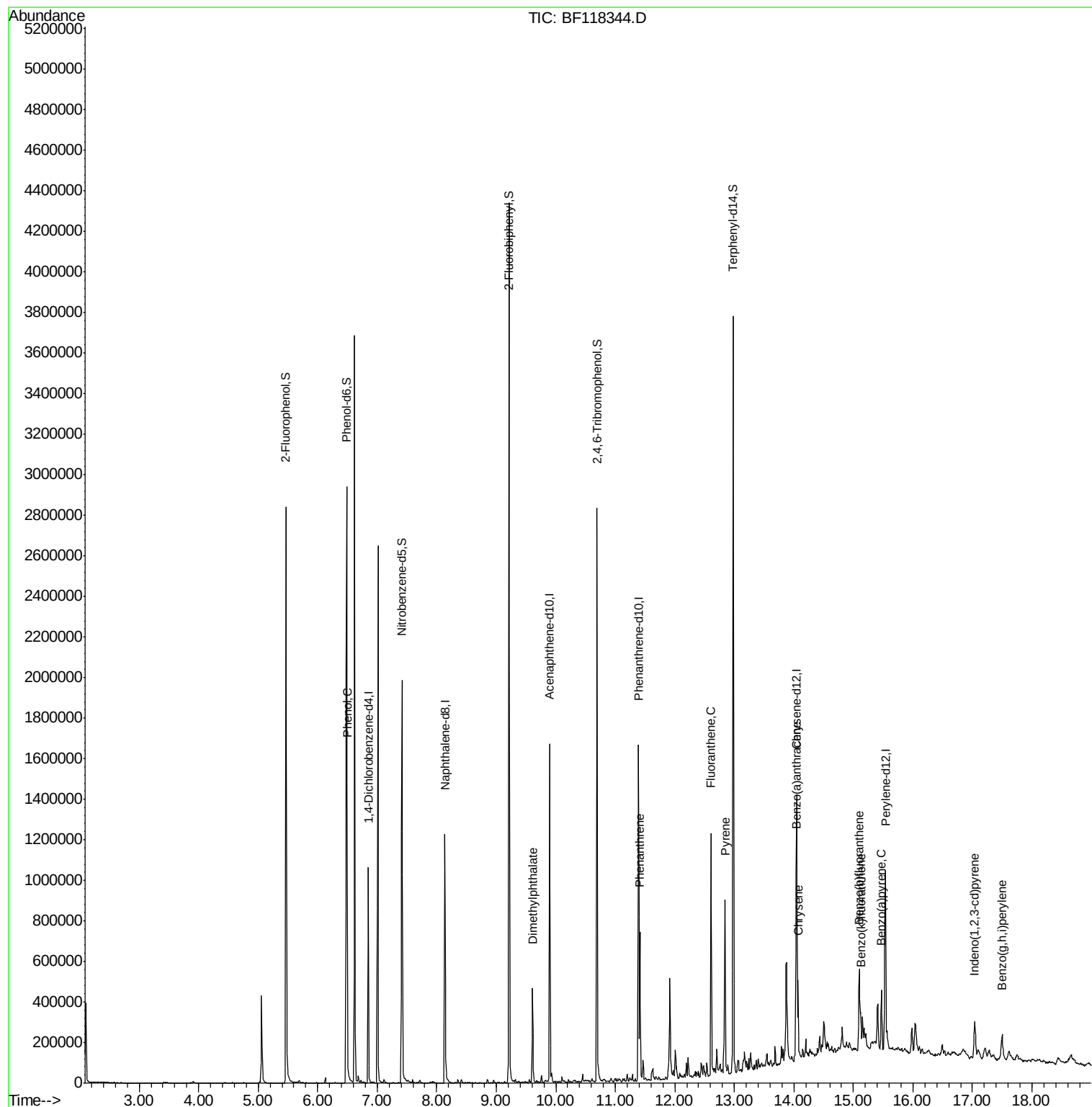
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118344.D
Acq On : 27 Dec 2019 18:11
Operator : JU
Sample : K6431-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

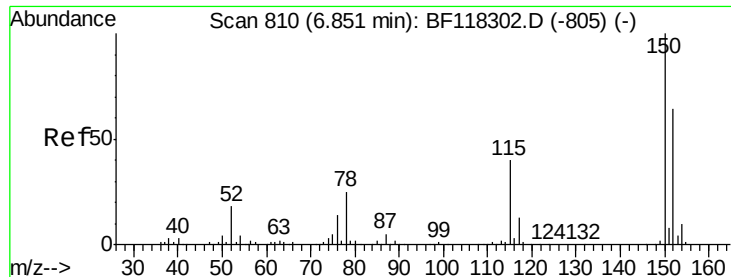
Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

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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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Response via : Initial Calibration





#1

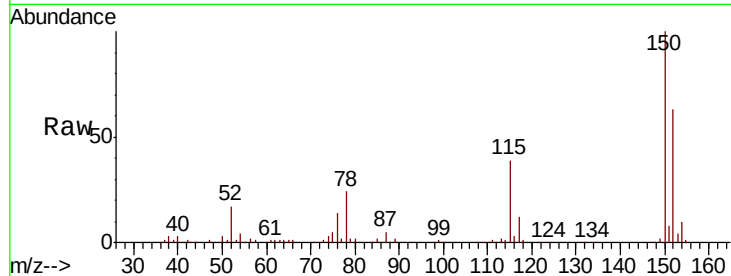
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	125.4	188.2
115	61.6	50.2	75.4

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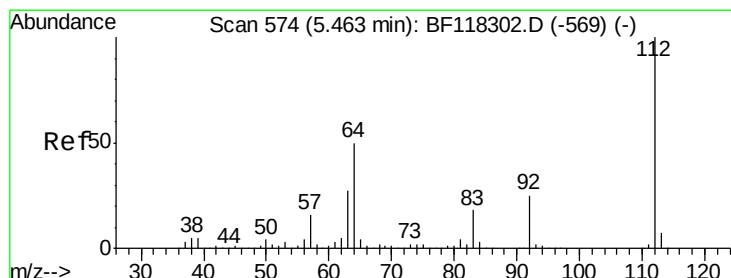
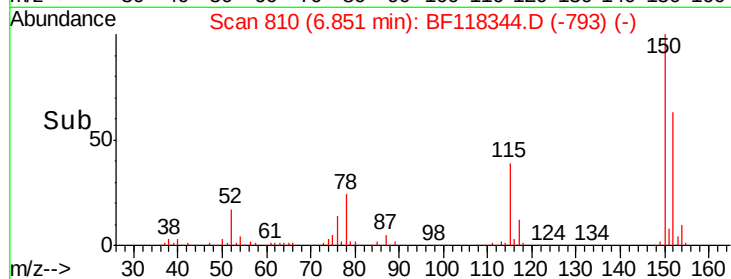
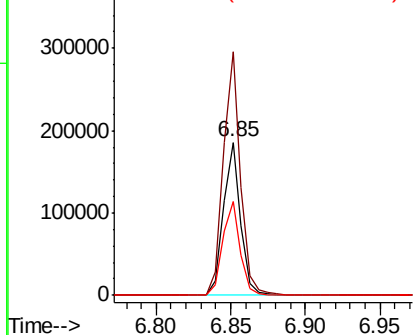


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

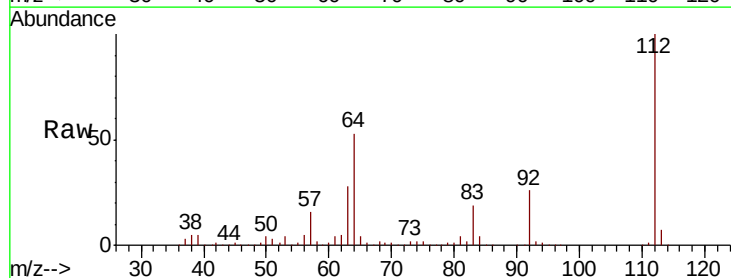
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 92.637 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	39.7	59.5
63	28.3	21.7	32.5

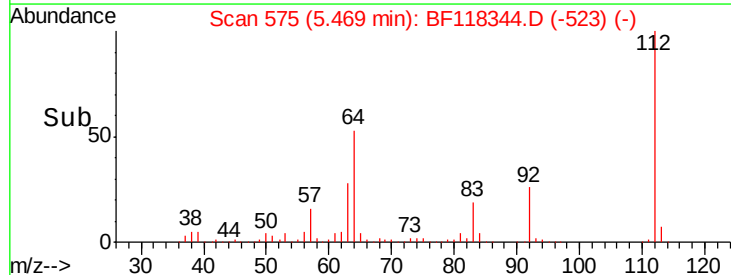
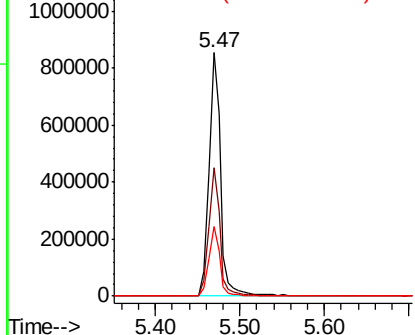


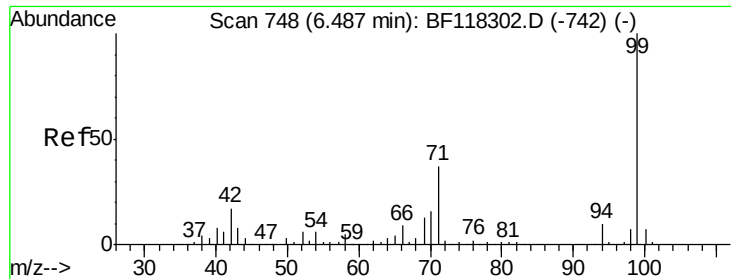
Abundance

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: 94.534 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF118344.D

Acq: 27 Dec 2019 18:11

Instrument :

BNA_F

ClientSampleId :

SB-4-(0-2)

Tot Ion: 99 Resp: 1040845

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

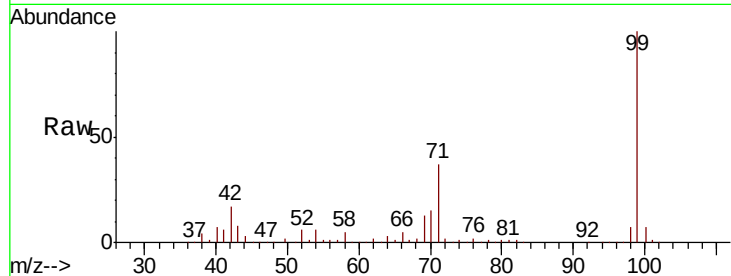
71 36.6 29.4 44.2

Manual Integrations

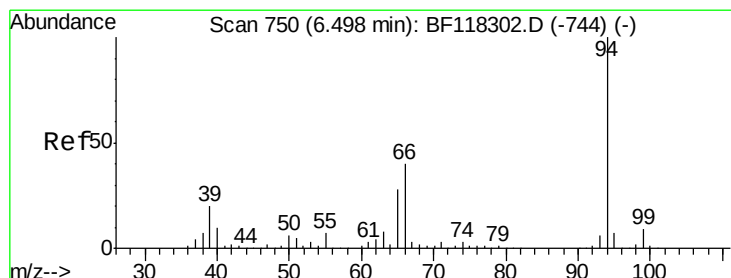
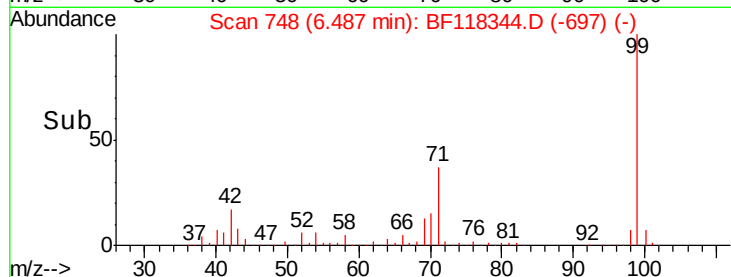
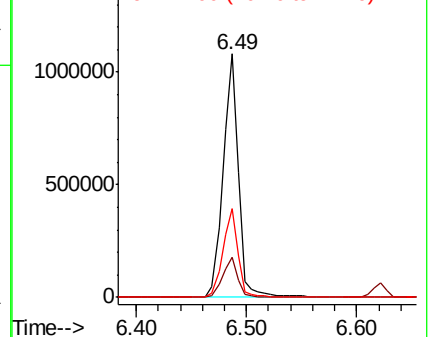
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.038 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF118344.D

Acq: 27 Dec 2019 18:11

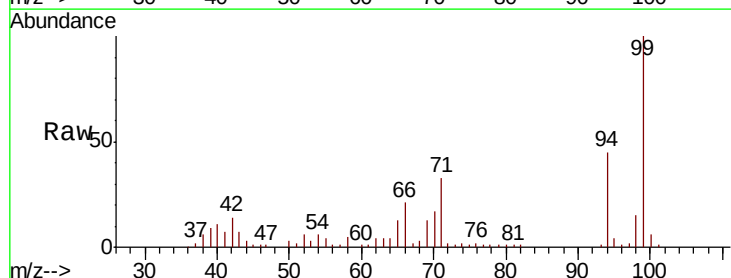
Tgt Ion: 94 Resp: 25221

Ion Ratio Lower Upper

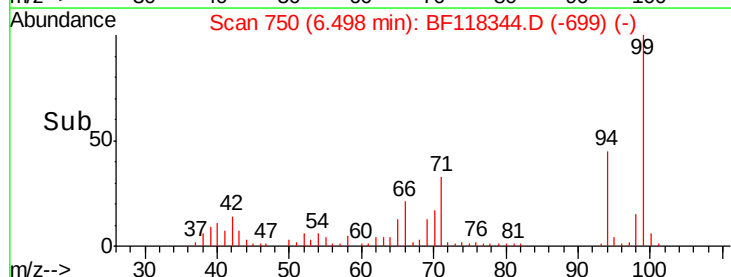
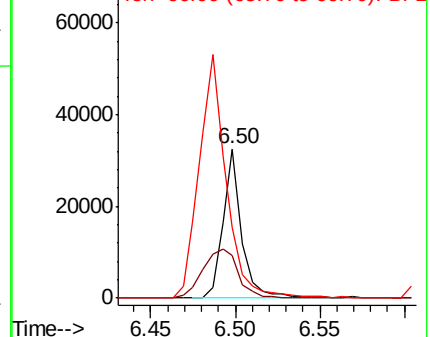
94 100

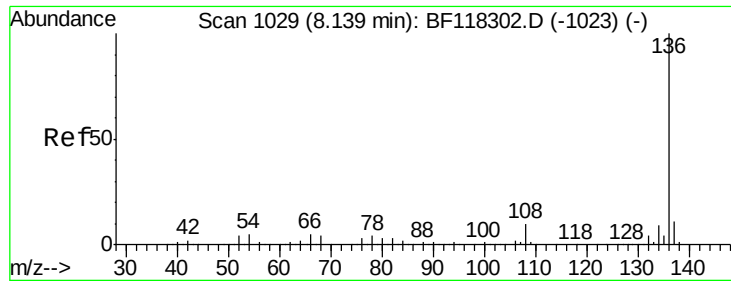
65 28.9 7.8 47.8

66 47.8 20.4 60.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





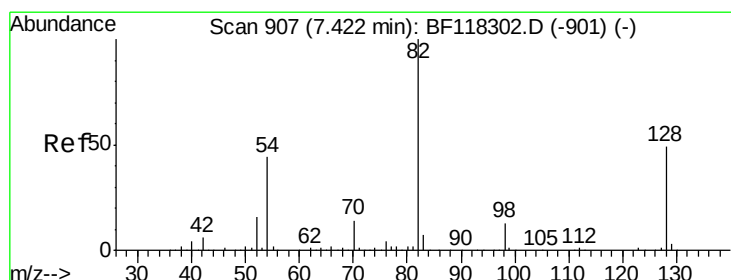
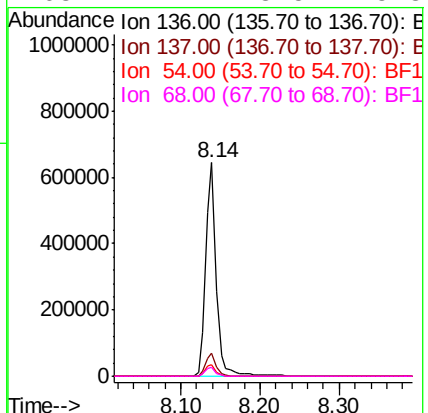
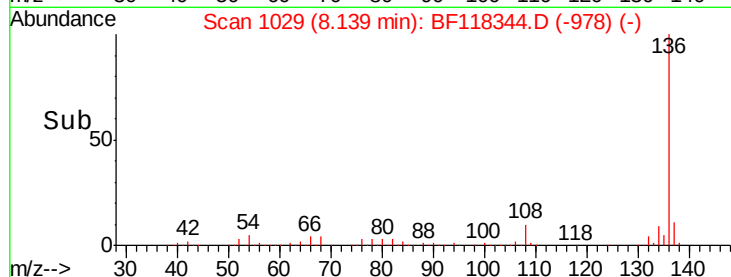
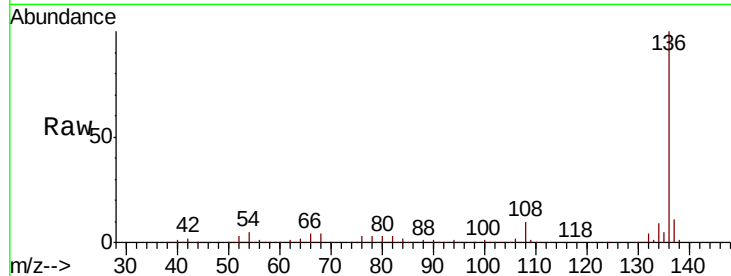
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	606618		
137	10.9		8.9	13.3
54	5.3		4.2	6.4
68	4.4		3.5	5.3

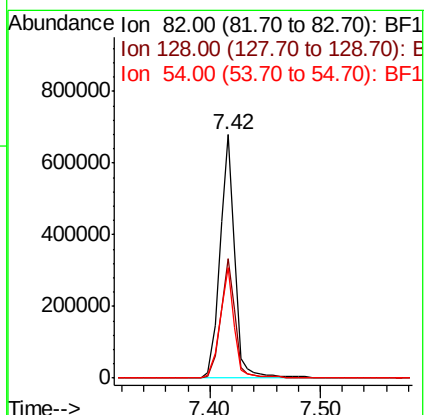
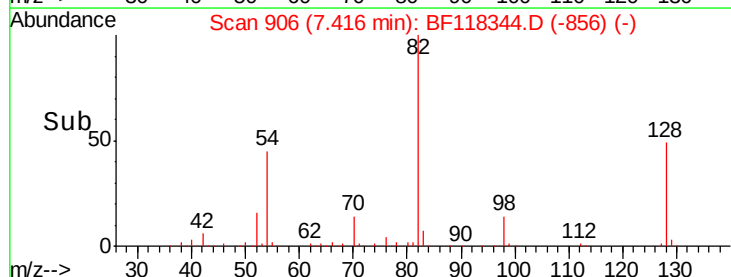
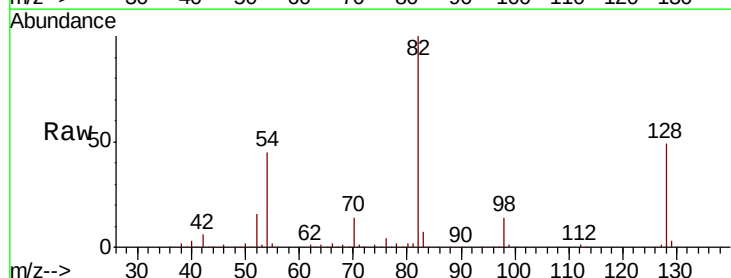
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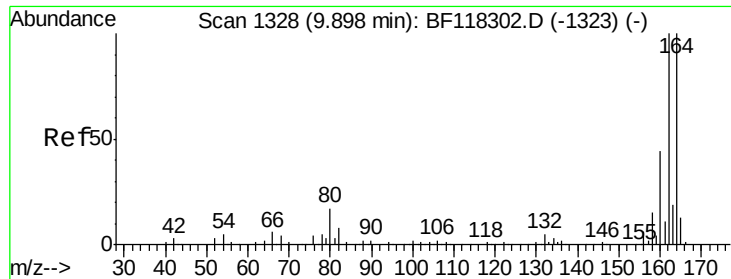
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#23
Nitrobenzene-d5
Concen: 59.784 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	634077		
128	48.8		39.6	59.4
54	45.2		34.9	52.3





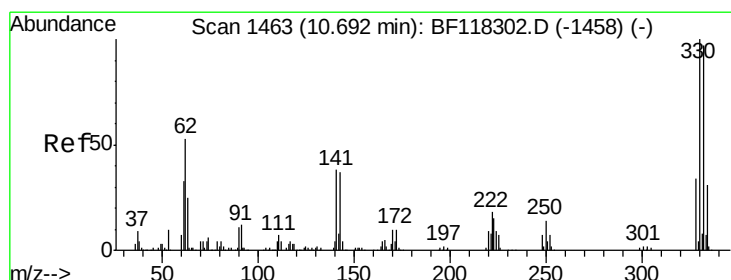
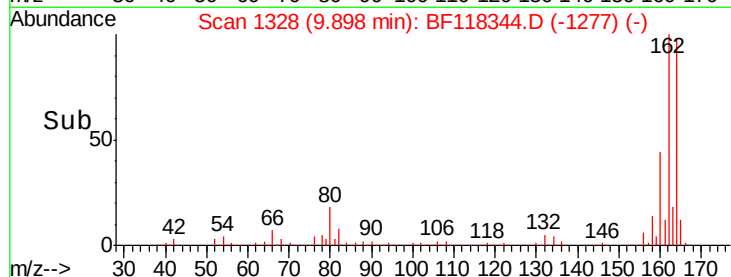
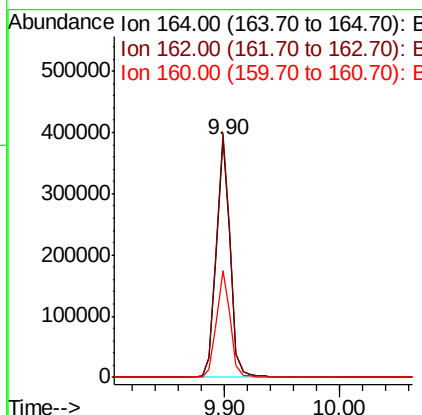
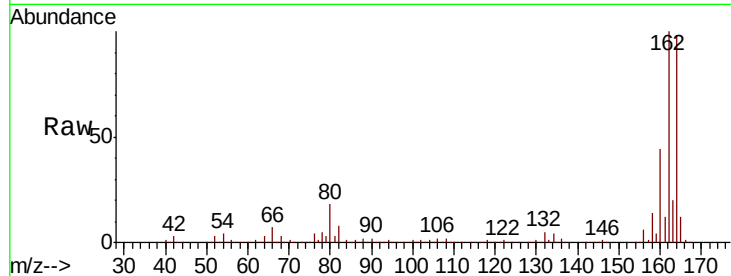
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.0	120.0
160	44.6	34.8	52.2

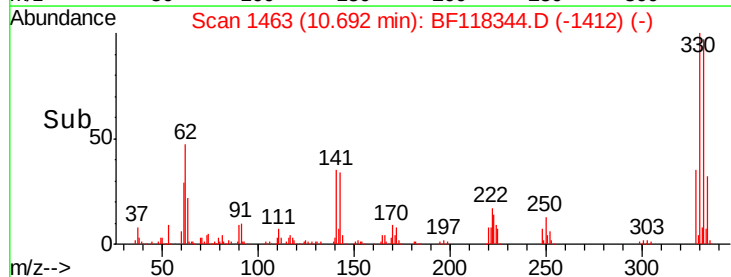
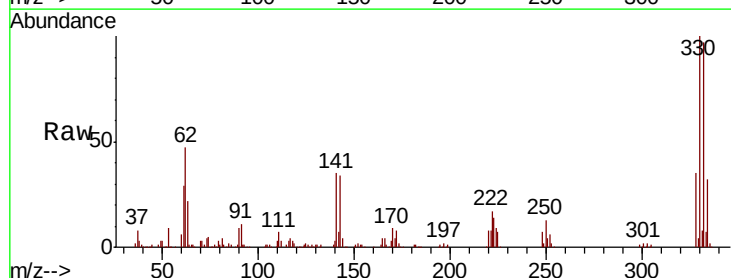
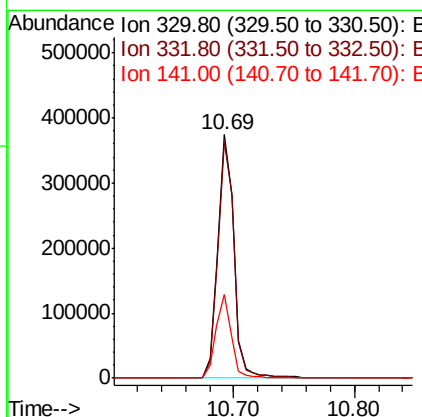
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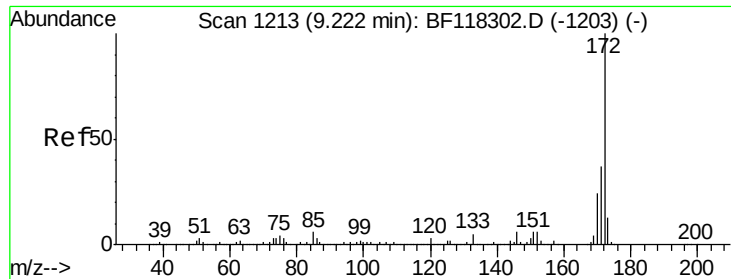
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#42
2,4,6-Tribromophenol
Concen: 85.926 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.00 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.6	114.8
141	33.0	26.0	39.0





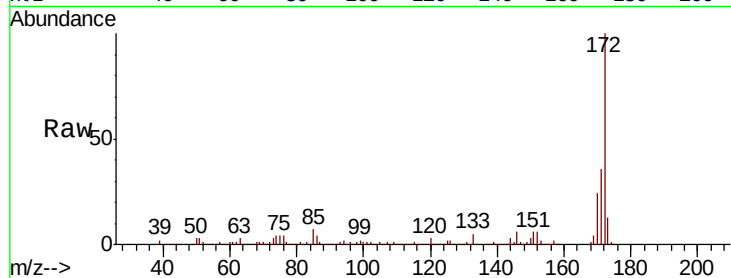
#45
2-Fluorobiphenyl
Concen: 60.363 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

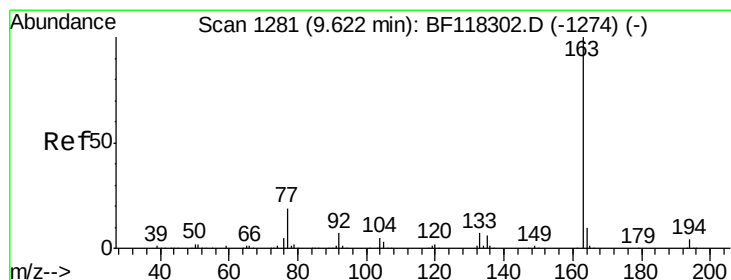
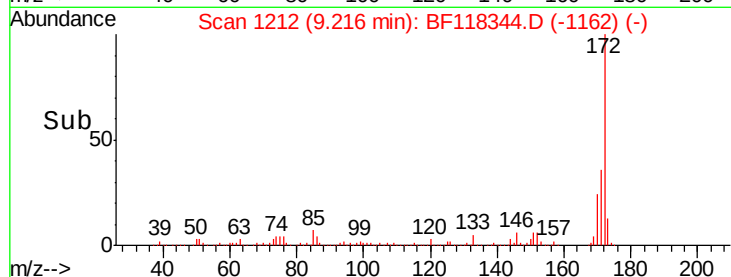
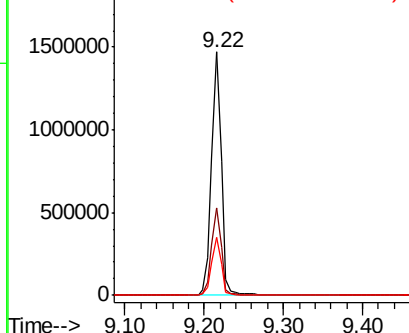
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.3	43.9
170	24.1	19.2	28.8

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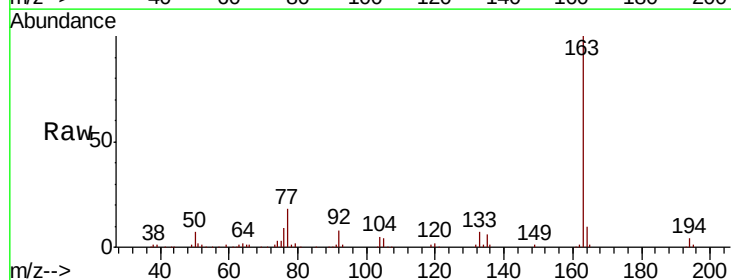


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

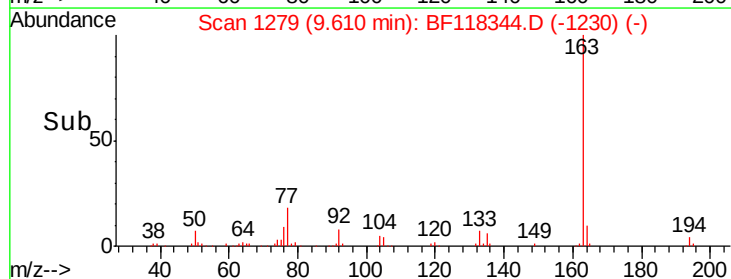
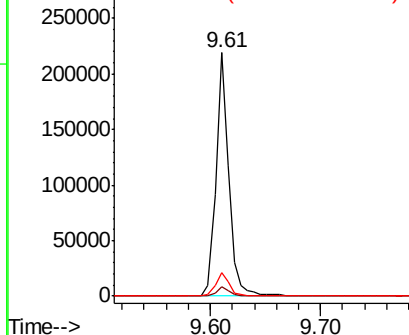


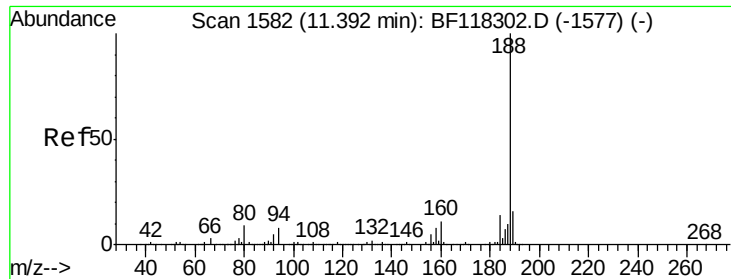
#50
Dimethylphthalate
Concen: 7.303 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.2	4.8
164	9.8	7.9	11.9



Abundance Ion 163.00 (162.70 to 163.70): E
300000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





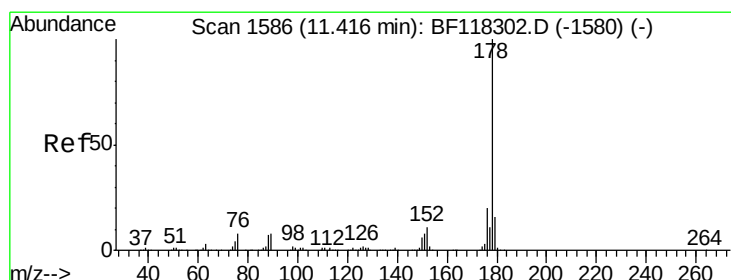
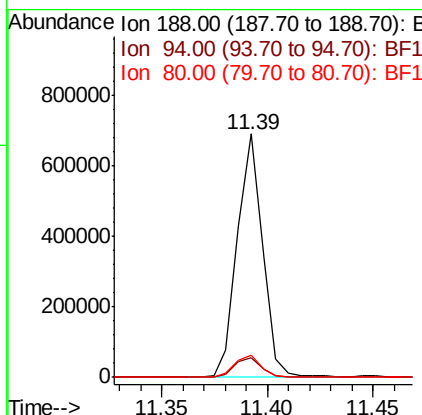
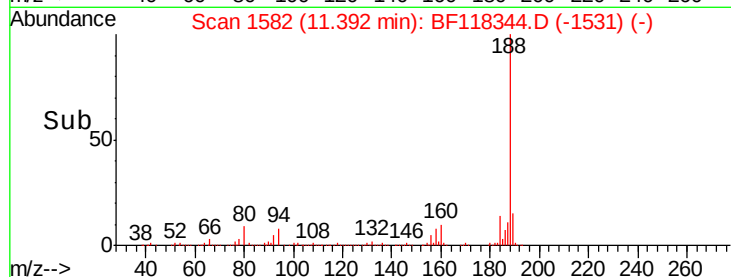
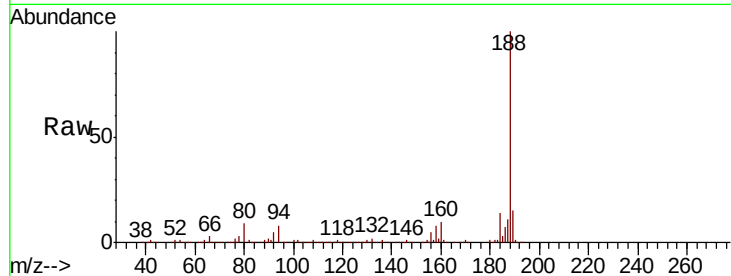
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	571188		
94	8.2		6.7	10.1
80	9.0		7.2	10.8

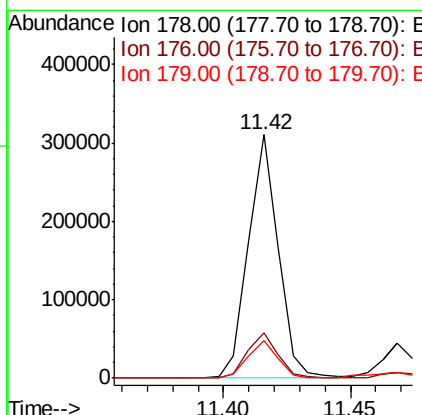
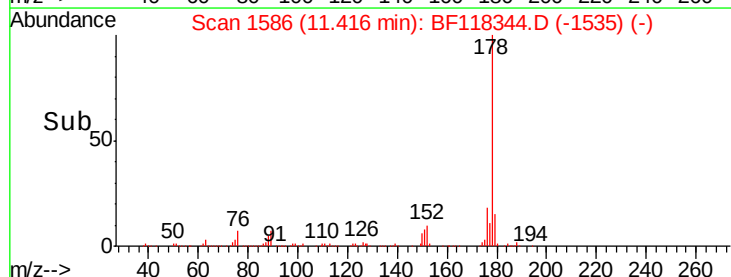
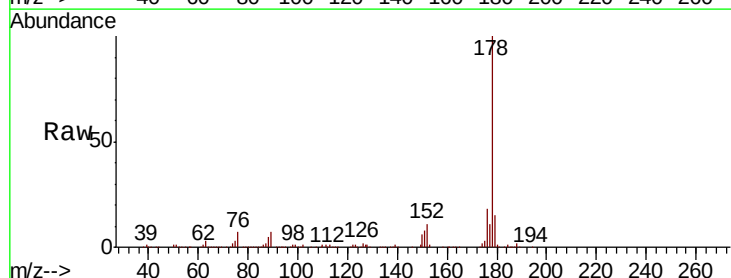
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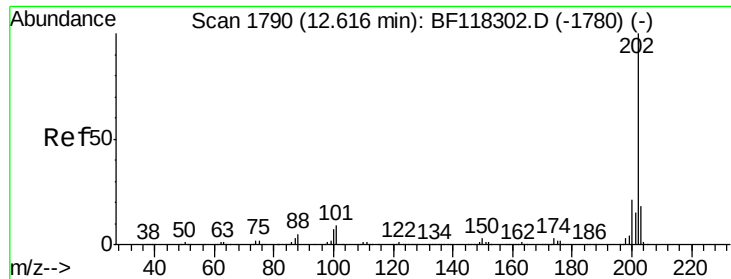
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#71
Phenanthrene
Concen: 8.211 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	255675		
176	18.4		15.6	23.4
179	15.4		12.6	19.0





#75

Fluoranthene

Concen: 14.007 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118344.D

Acq: 27 Dec 2019 18:11

Instrument :

BNA_F

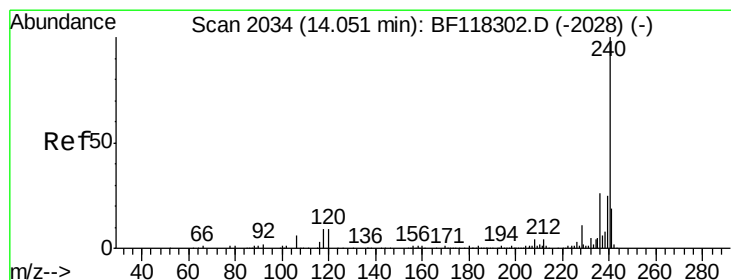
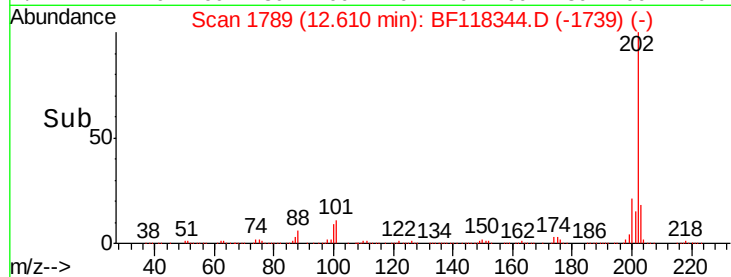
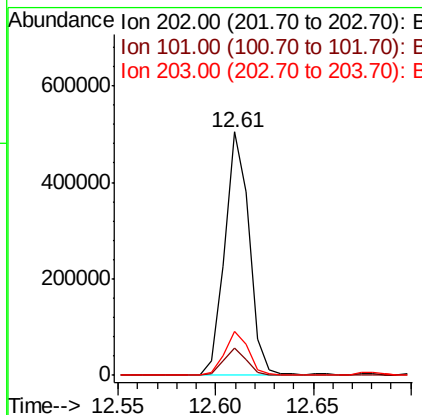
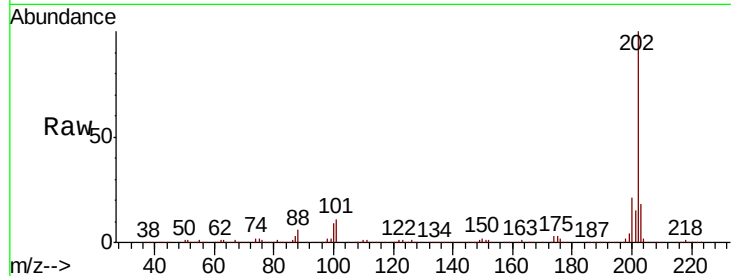
ClientSampleId :

SB-4-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	440161		
101	11.0	0.0	29.5	
203	18.2	0.0	37.6	

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#76

Chrysene-d12

Concen: 20.000 ng

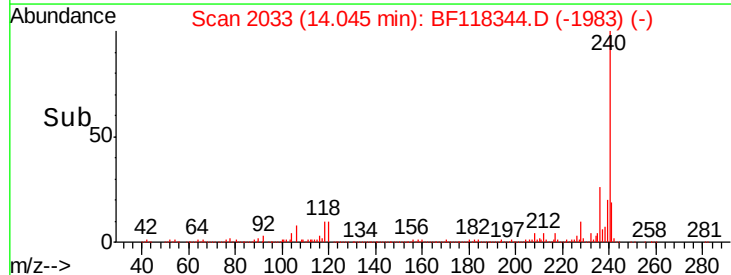
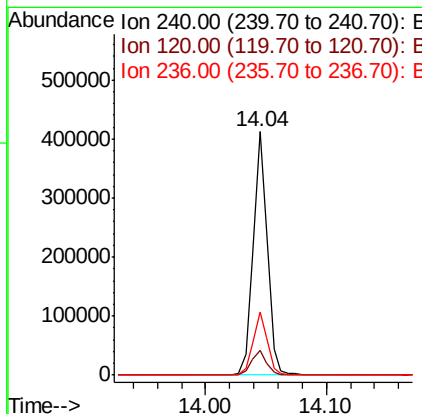
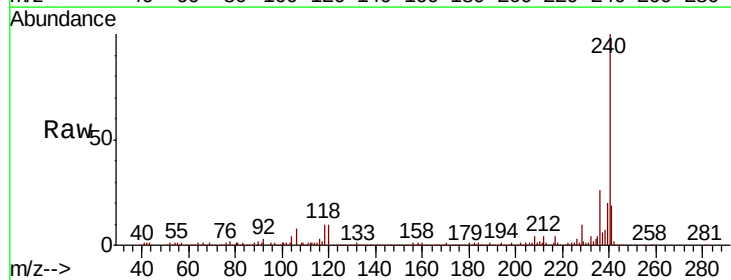
RT: 14.04 min Scan# 2033

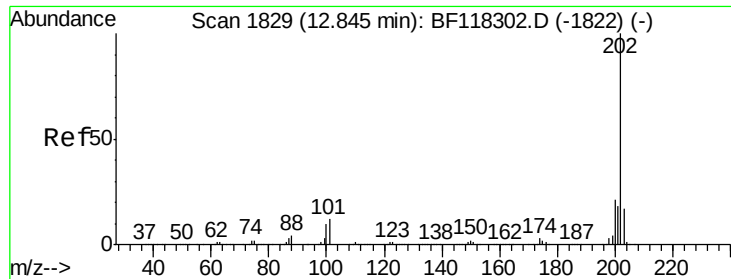
Delta R.T. -0.01 min

Lab File: BF118344.D

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Tgt Ion	Ratio	Resp	Lower	Upper
240	100	338744		
120	10.0	7.1	10.7	
236	26.0	21.0	31.6	





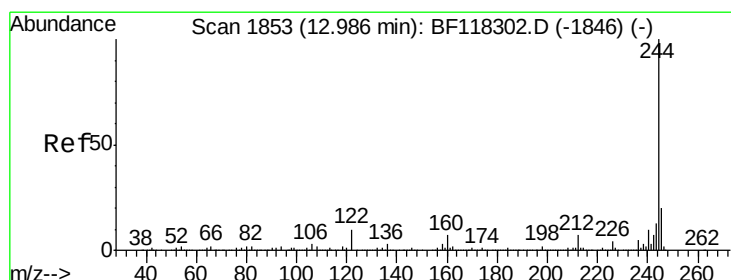
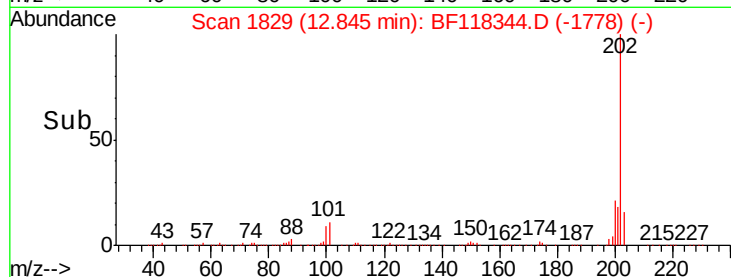
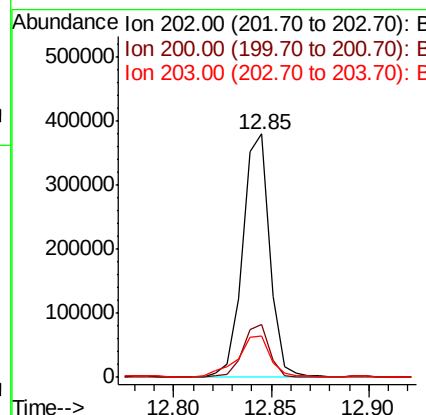
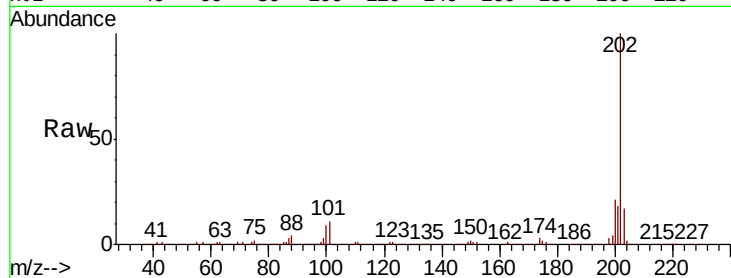
#78
Pvrene
Concen: 13.238 ng
RT: 12.85 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	16.9	13.9	20.9

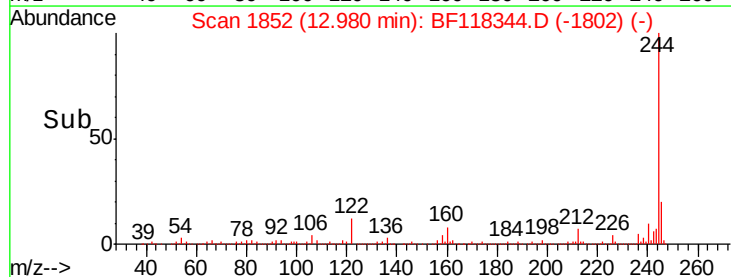
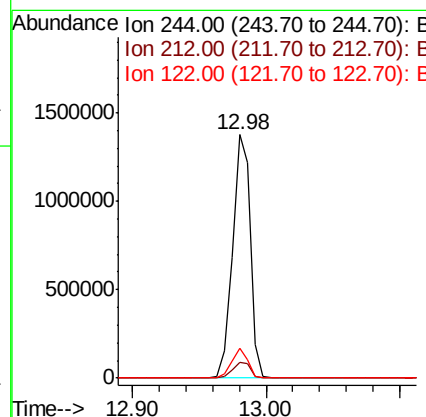
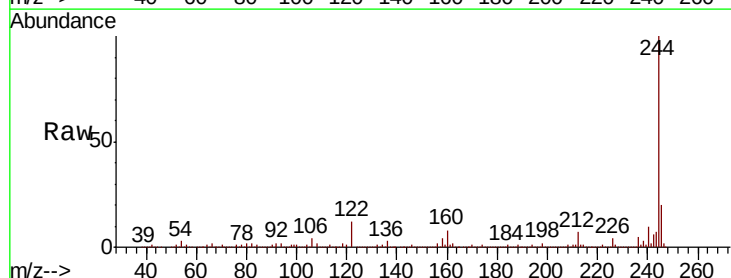
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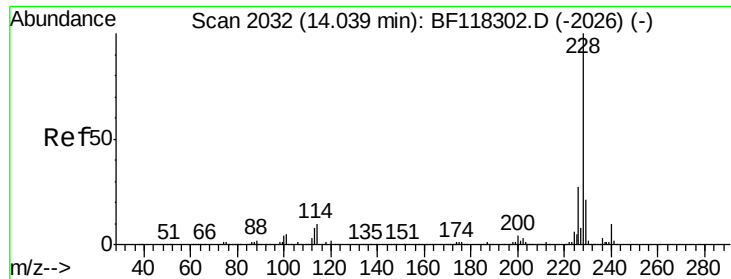
mohammad
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#79
Terphenyl-d14
Concen: 63.493 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	12.1	7.8	11.8





#81

Benzo(a)anthracene

Concen: 6.861 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118344.D

Acq: 27 Dec 2019 18:11

Instrument :

BNA_F

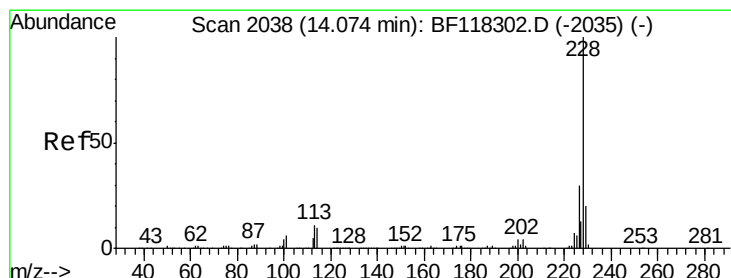
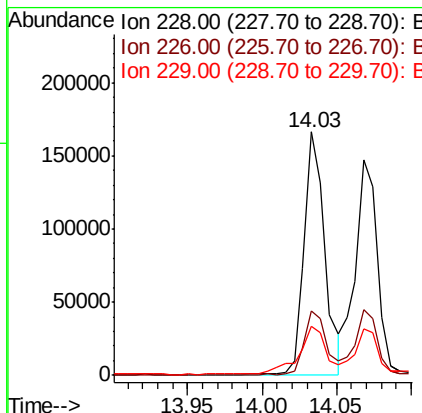
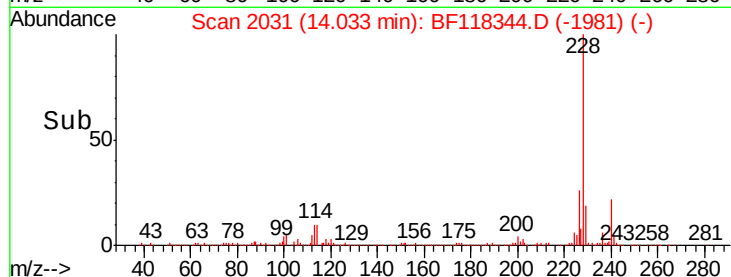
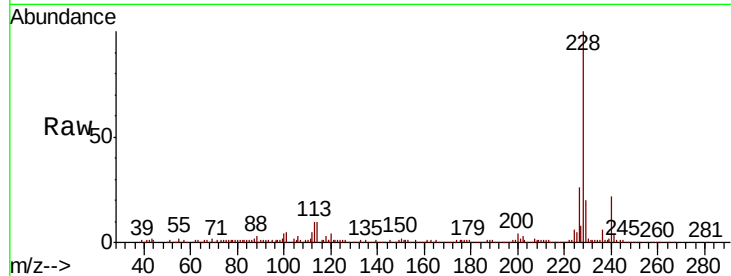
ClientSampleId :

SB-4-(0-2)

Tot Ion:	228	Resp:	162686
Ion Ratio	Lower	Upper	
228	100		
226	26.5	22.0	33.0
229	20.1	16.6	24.8

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#83

Chrysene

Concen: 6.707 ng

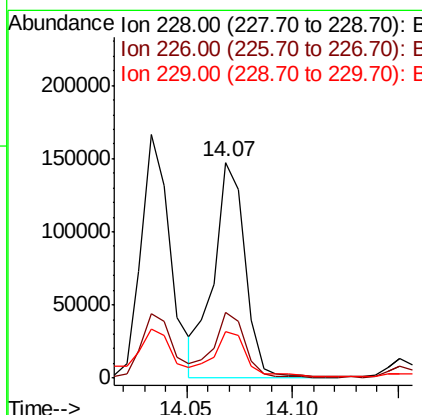
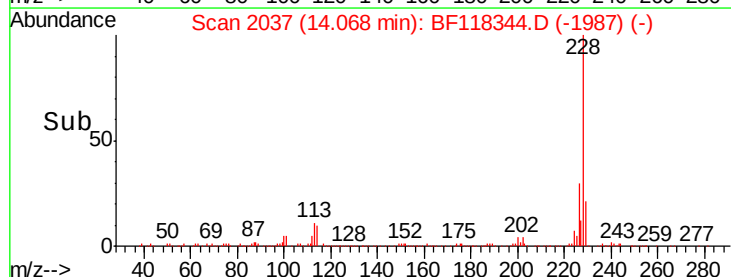
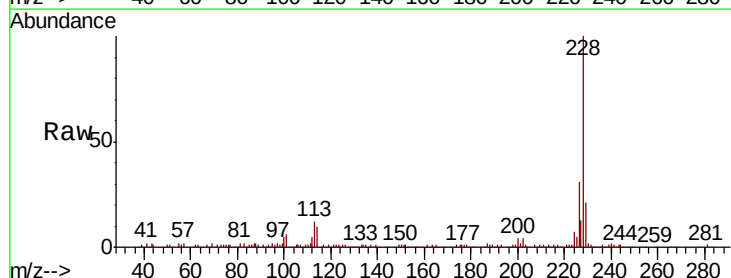
RT: 14.07 min Scan# 2037

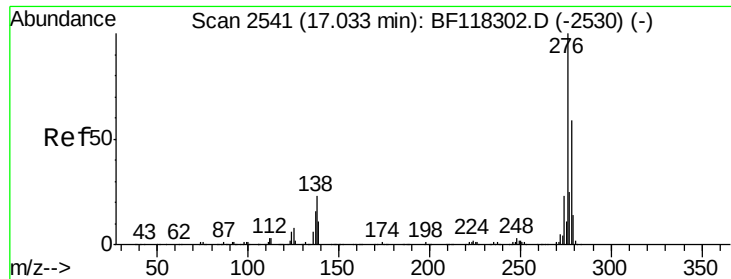
Delta R.T. -0.01 min

Lab File: BF118344.D

Acq: 27 Dec 2019 18:11

Tgt Ion:	228	Resp:	152272
Ion Ratio	Lower	Upper	
228	100		
226	30.6	23.9	35.9
229	21.3	16.1	24.1





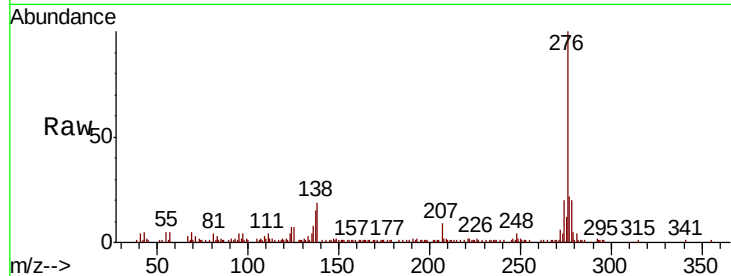
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.618 ng
 RT: 17.04 min Scan# 2542
 Delta R.T. 0.01 min
 Lab File: BF118344.D
 Acq: 27 Dec 2019 18:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	19.5	29.3
277	23.8	20.6	30.8

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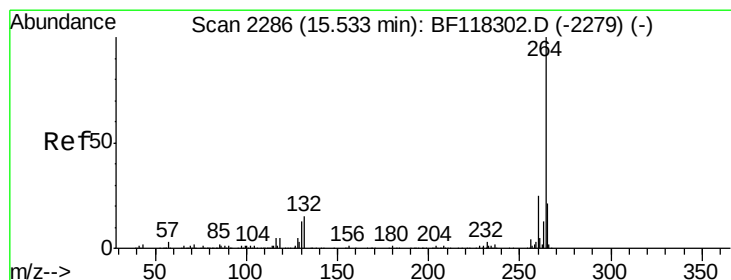
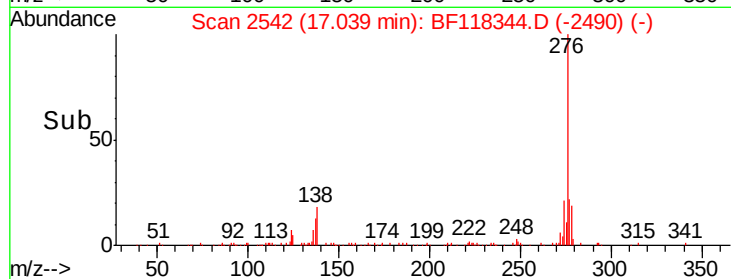
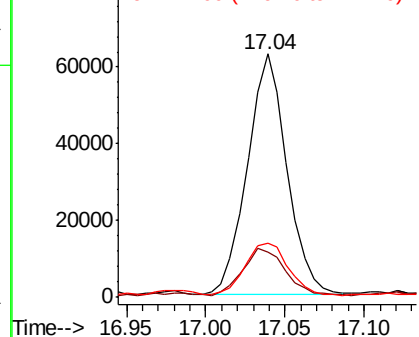


Abundance

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: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF118344.D
 Acq: 27 Dec 2019 18:11

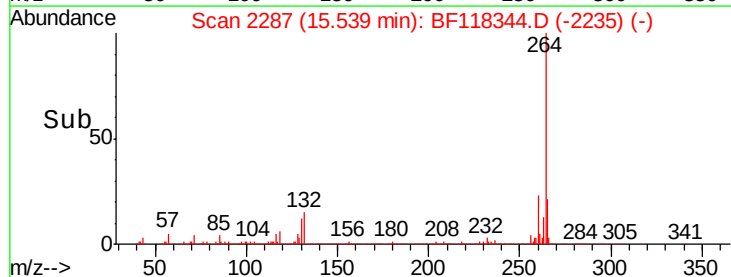
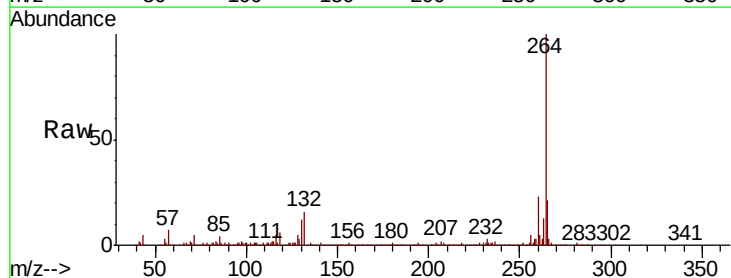
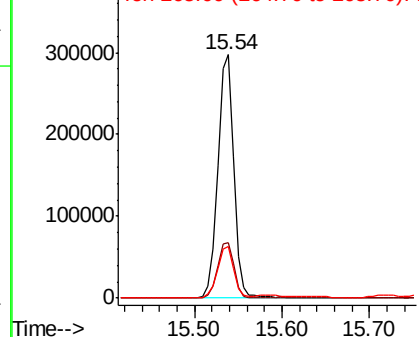
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.8	29.6
265	21.0	17.0	25.4

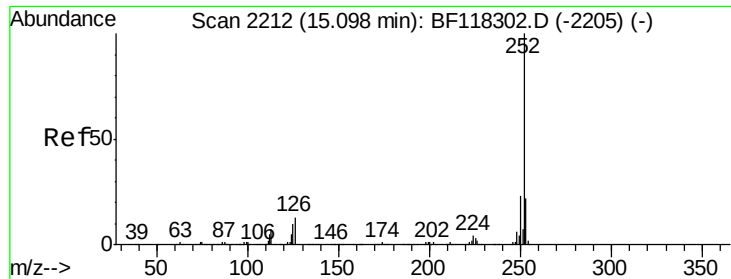
Abundance

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





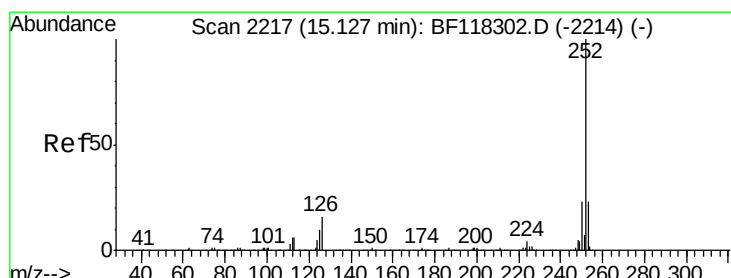
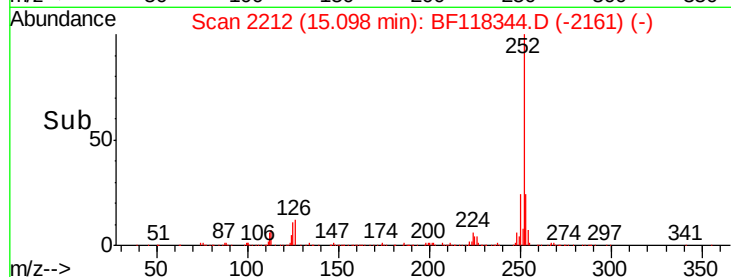
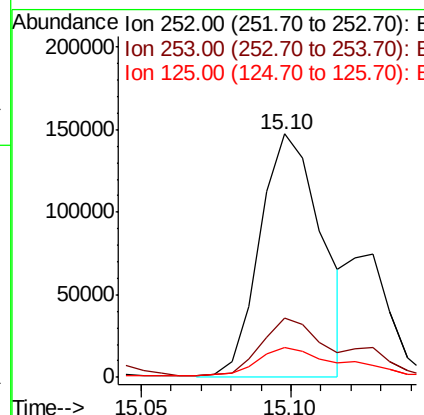
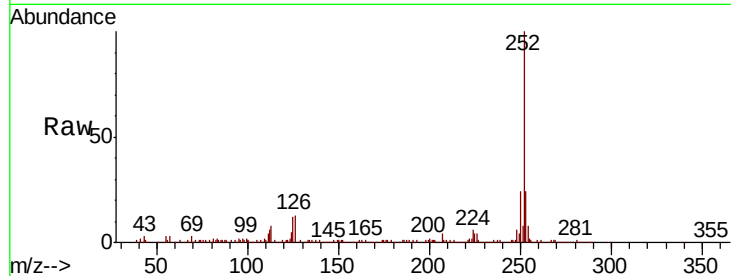
#88
Benzo(b)fluoranthene
Concen: 8.396 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.00 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	12.1	7.7	11.5

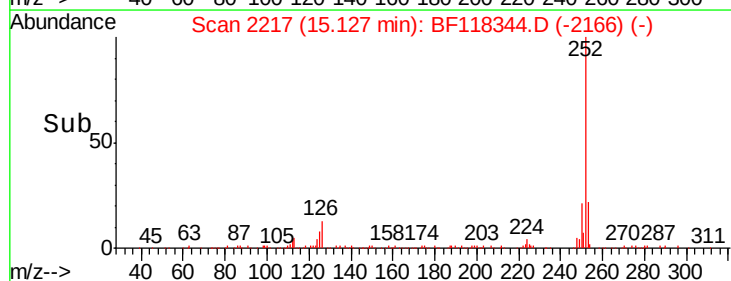
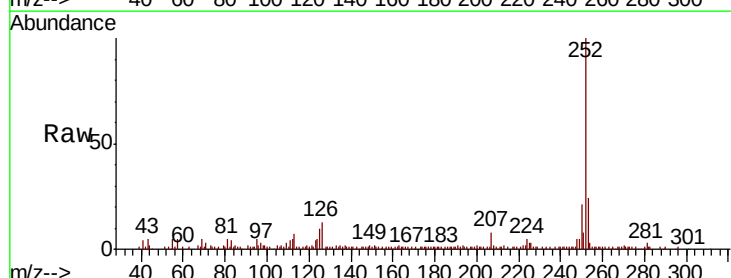
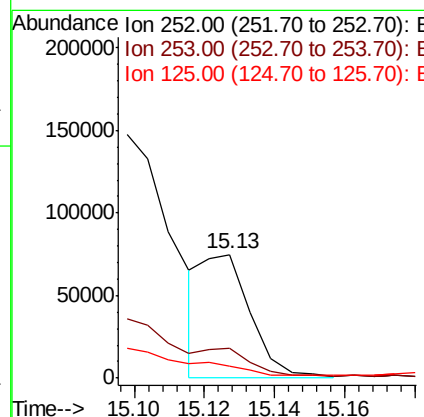
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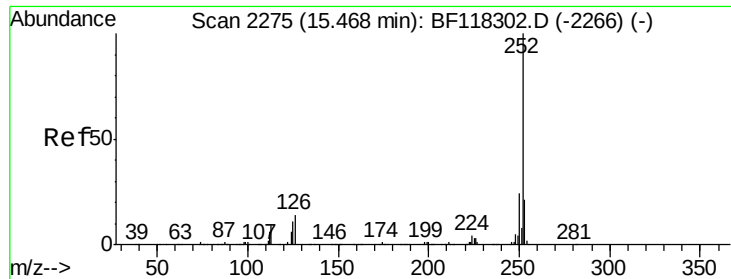
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#89
Benzo(k)fluoranthene
Concen: 3.010 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	9.9	8.0	12.0





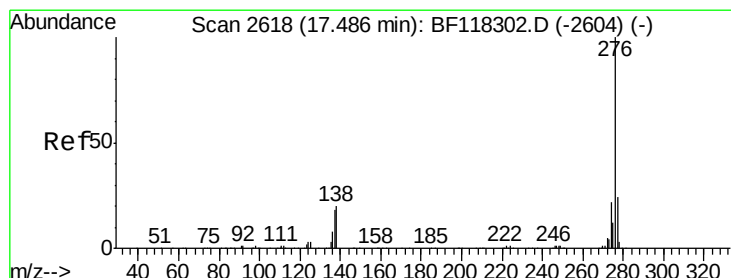
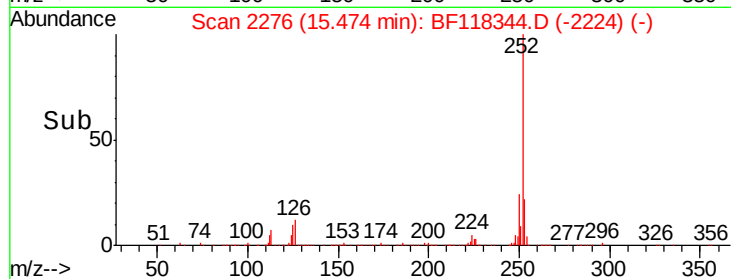
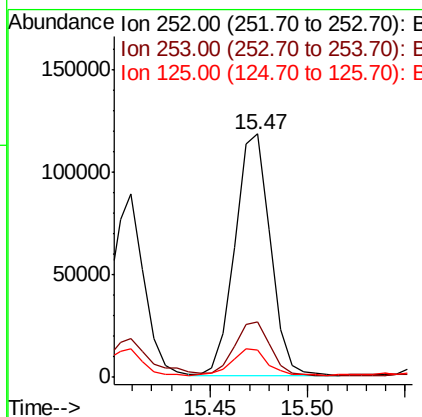
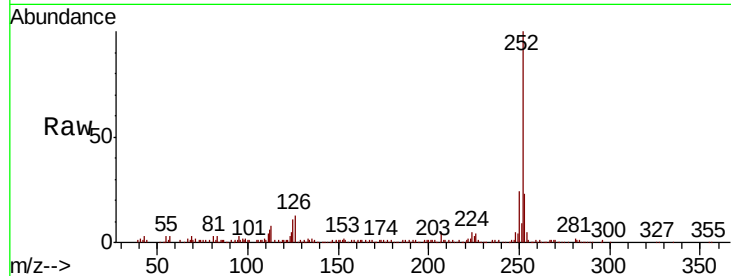
#90
Benzo(a)pyrene
Concen: 6.725 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.0	9.0	13.4

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 5.399 ng
RT: 17.49 min Scan# 2619
Delta R.T. 0.01 min
Lab File: BF118344.D
Acq: 27 Dec 2019 18:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.1	28.7
138	22.1	16.1	24.1

