

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118630.D
 Acq On : 21 Jan 2020 10:50
 Operator : CG/JU
 Sample : L1148-02 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-11-(5-7)

Manual Integrations
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Quant Time: Jan 21 11:44:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	354217	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	1235674	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	608959	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	927414	20.00	ng	0.00
76) Chrysene-d12	14.05	240	830843	20.00	ng	0.00
87) Perylene-d12	15.53	264	886580	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	409452	21.47	ng	0.00
7) Phenol-d6	6.50	99	536509	21.64	ng	-0.01
23) Nitrobenzene-d5	7.43	82	290513	13.15	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	108266	15.37	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	512620	13.84	ng	0.00
79) Terphenyl-d14	12.99	244	454309	11.93	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.78	152	237161	4.766	ng	95
52) Acenaphthene	9.96	154	149629	4.496	ng	98
55) Dibenzofuran	10.13	168	144202	3.127	ng	93
58) Fluorene	10.47	166	330380	9.126	ng	100
71) Phenanthrene	11.43	178	2035283	45.489	ng	96
72) Anthracene	11.49	178	839796	18.969	ng	93
73) Carbazole	11.63	167	401254	9.881	ng	96
75) Fluoranthene	12.63	202	3908719	82.829	ng	98
78) Pyrene	12.86	202	3645962	64.637	ng	99
81) Benzo(a)anthracene	14.04	228	2277470	45.568	ng	95
83) Chrysene	14.08	228	1922629	40.138	ng	97
86) Indeno(1,2,3-cd)pyrene	17.02	276	805671	19.357	ng	97
88) Benzo(b)fluoranthene	15.10	252	2625564m	47.114	ng	
89) Benzo(k)fluoranthene	15.13	252	686248m	13.292	ng	
90) Benzo(a)pyrene	15.47	252	1663619	34.606	ng	100
91) Dibenzo(a,h)anthracene	17.03	278	223342	5.252	ng	# 92
92) Benzo(g,h,i)perylene	17.47	276	693801	16.804	ng	98

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

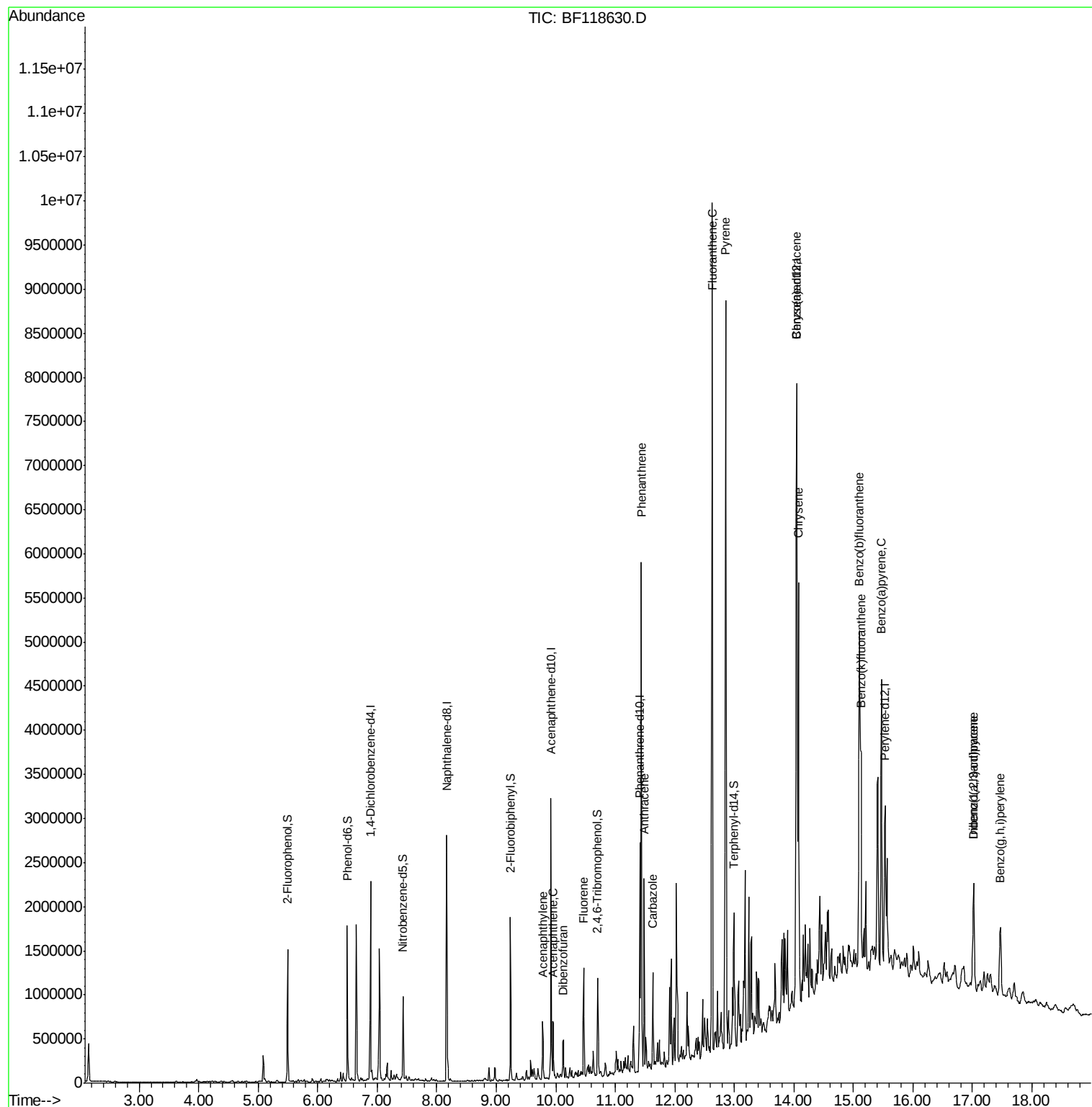
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
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ALS Vial : 38 Sample Multiplier: 1

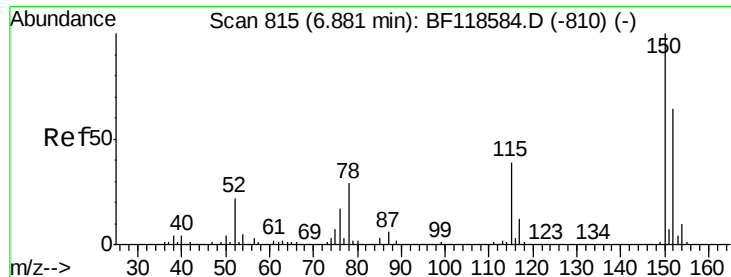
Instrument :
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SB-11-(5-7)

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Quant Time: Jan 21 11:44:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

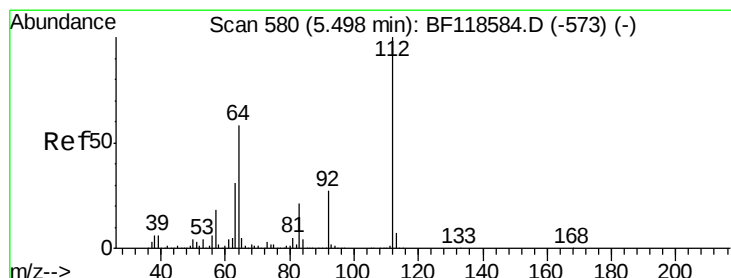
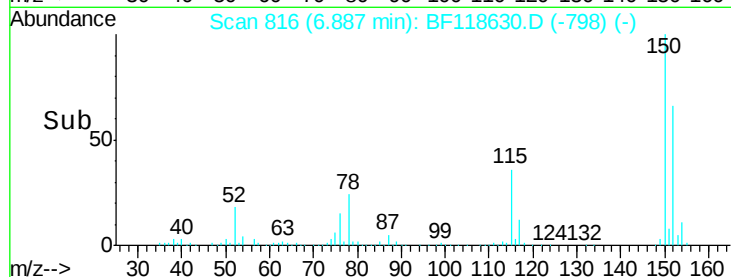
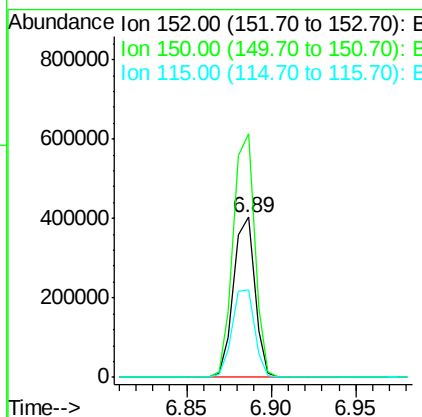
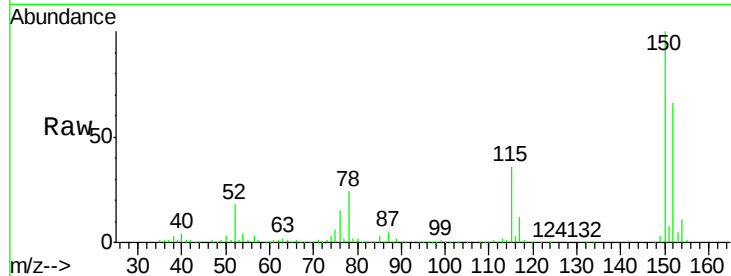
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Instrument :
BNA_F
ClientSampleId :
SB-11-(5-7)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	125.6	188.4
115	54.6	48.4	72.6

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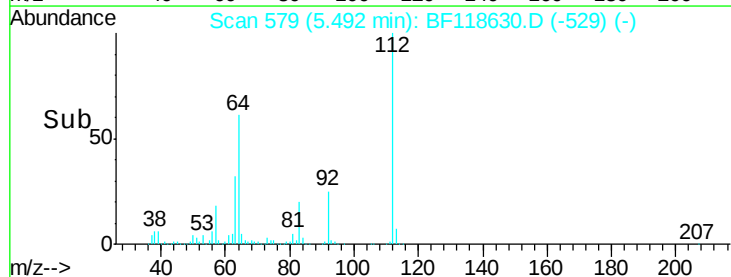
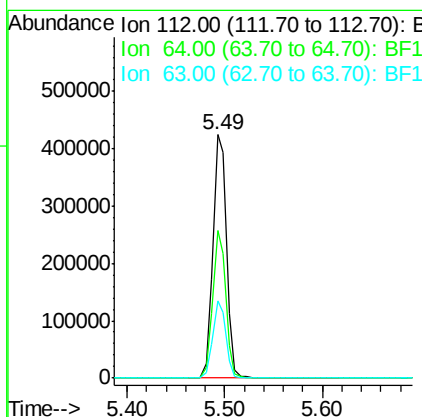
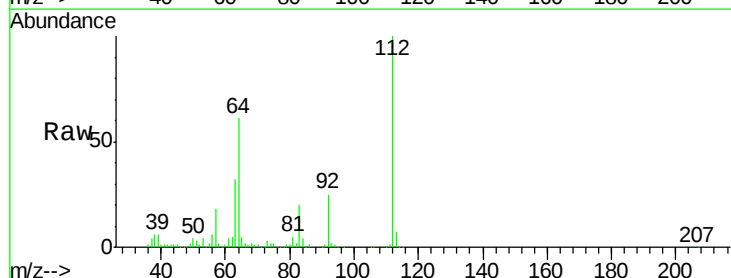
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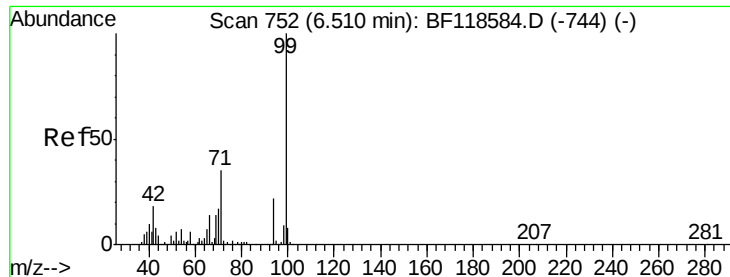


#5

2-Fluorophenol
Concen: 21.469 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	46.6	70.0
63	31.7	25.1	37.7





#7

Phenol-d6

Concen: 21.643 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF118630.D

Acq: 21 Jan 2020 10:50

Instrument :

BNA_F

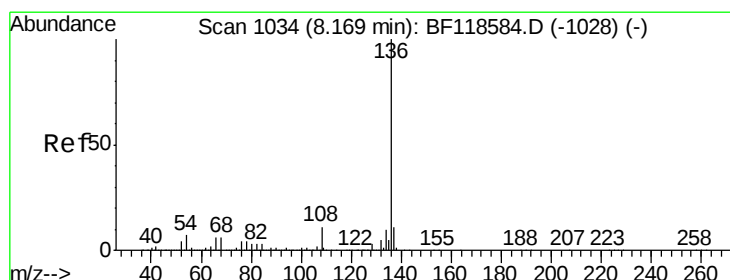
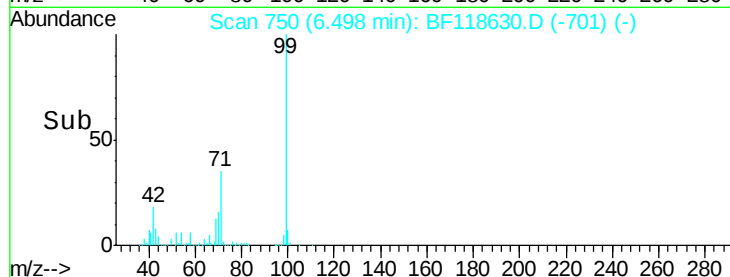
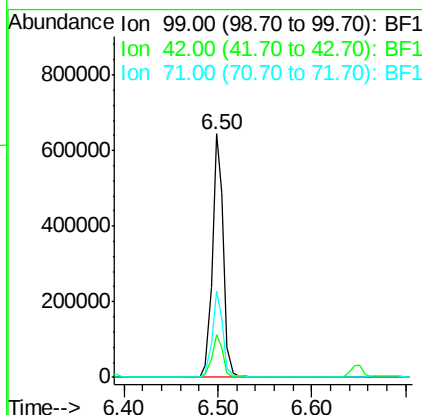
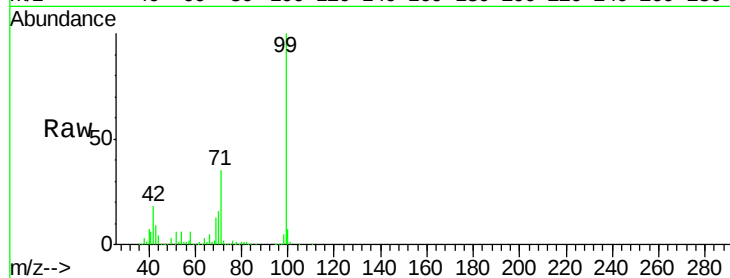
ClientSampleId :

SB-11-(5-7)

Tot Ion:	99	Resp:	536509
Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.2	21.2
71	35.3	27.8	41.6

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#21

Naphthalene-d8

Concen: 20.000 ng

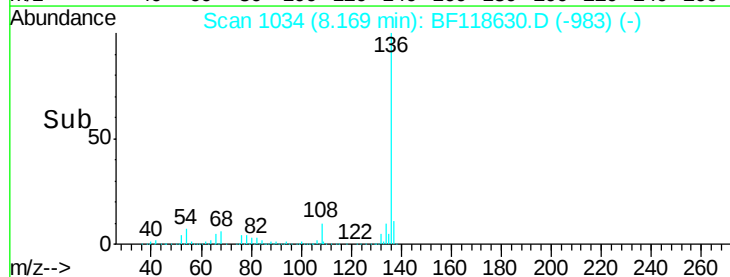
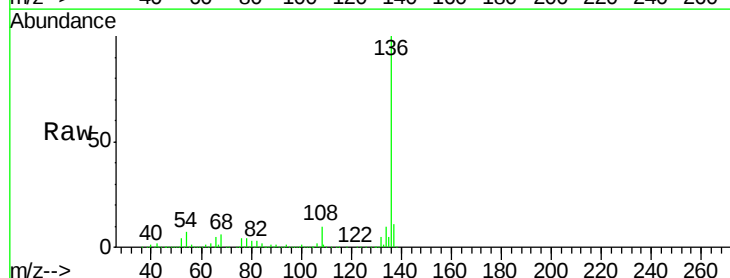
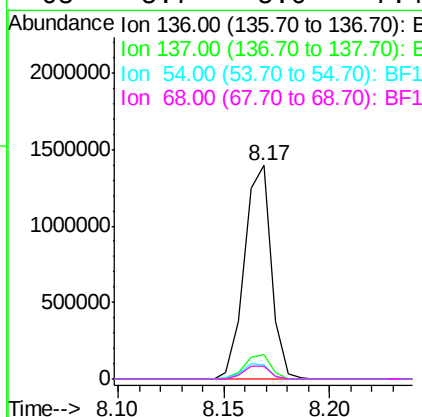
RT: 8.17 min Scan# 1034

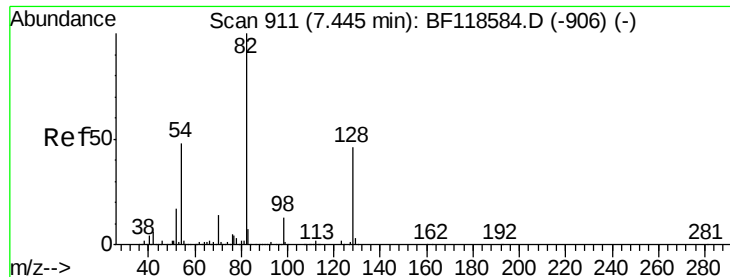
Delta R.T. 0.00 min

Lab File: BF118630.D

Acq: 21 Jan 2020 10:50

Tgt Ion:	136	Resp:	1235674
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.6	5.8	8.6
68	5.7	5.0	7.4





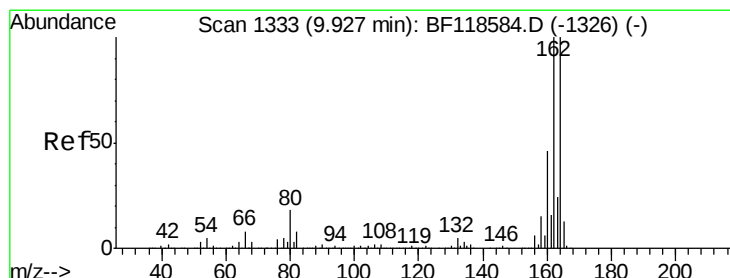
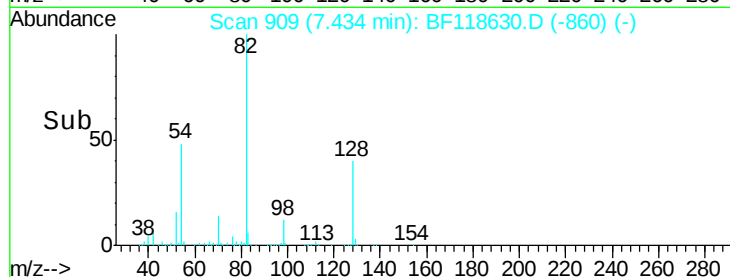
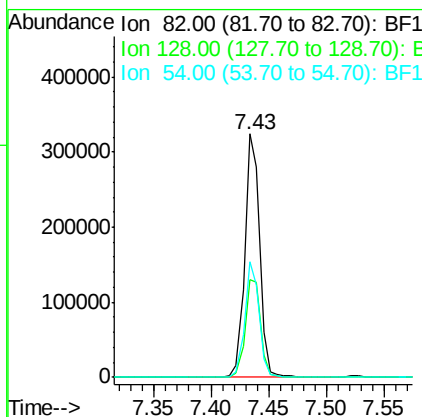
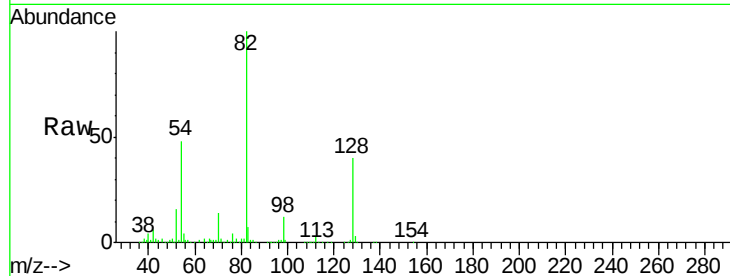
#23
Nitrobenzene-d5
Concen: 13.150 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Instrument :
BNA_F
ClientSampleId :
SB-11-(5-7)

Tot Ion:	82	Resp:	290513
Ion Ratio		Lower	Upper
82	100		
128	40.0	36.6	54.8
54	47.5	38.0	57.0

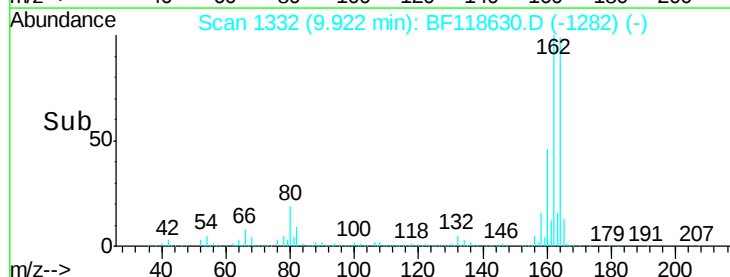
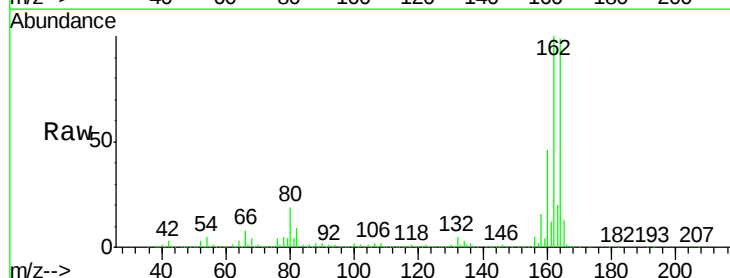
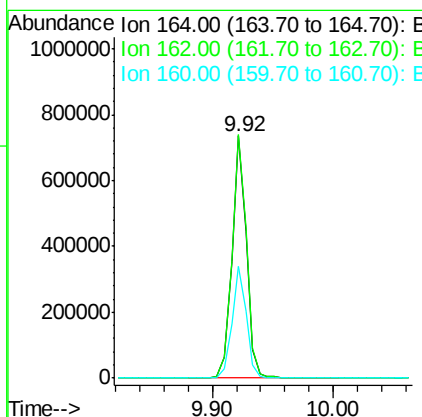
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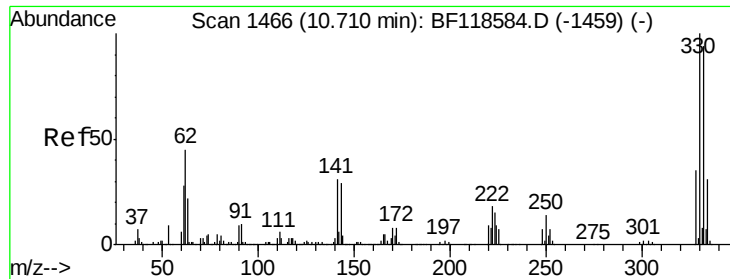
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Tgt Ion:	164	Resp:	608959
Ion Ratio		Lower	Upper
164	100		
162	100.7	80.4	120.6
160	46.3	36.6	55.0





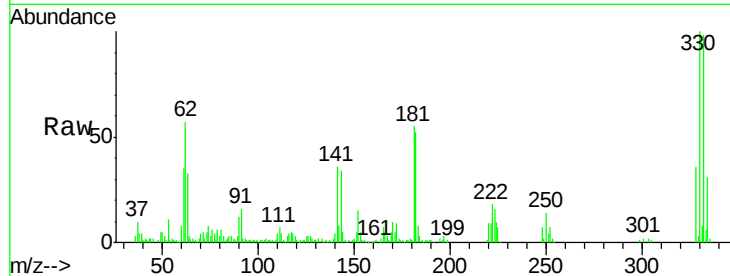
#42
 2,4,6-Tribromophenol
 Concen: 15.371 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118630.D
 Acq: 21 Jan 2020 10:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-11-(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	108266		
332	99.2	76.2	114.4	
141	32.0	23.9	35.9	

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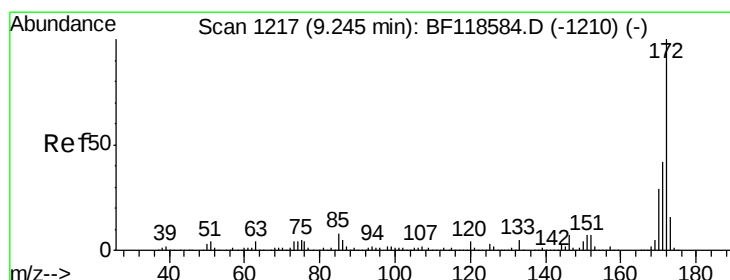
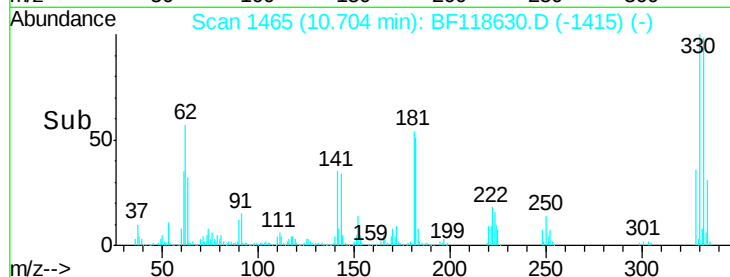
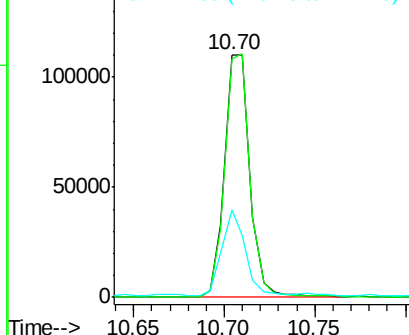


Abundance

Ion 329.80 (329.50 to 330.50): E

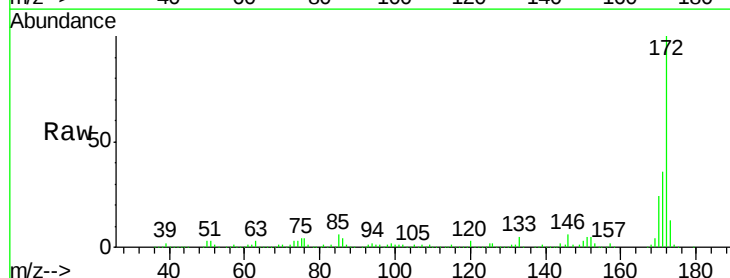
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 13.836 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118630.D
 Acq: 21 Jan 2020 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	512620		
171	35.7	33.4	50.2	
170	23.5	23.2	34.8	

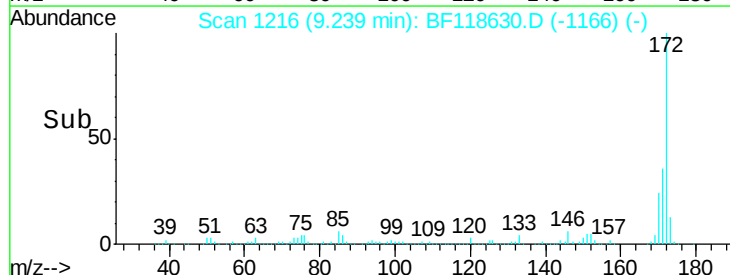
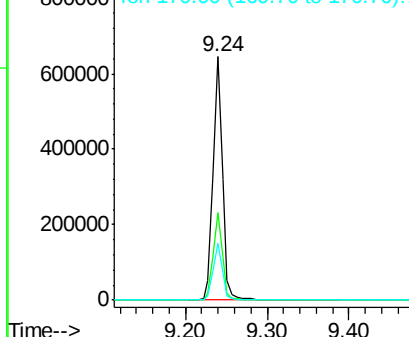


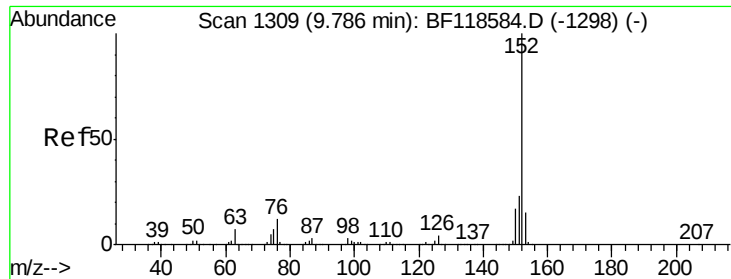
Abundance

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





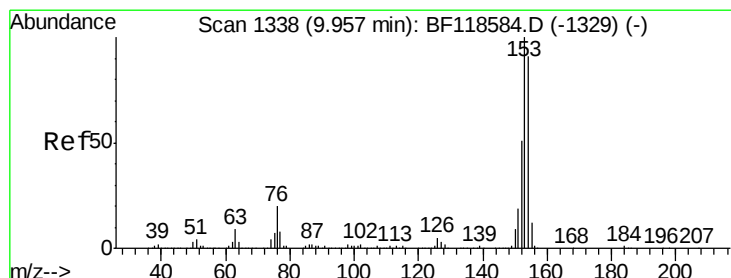
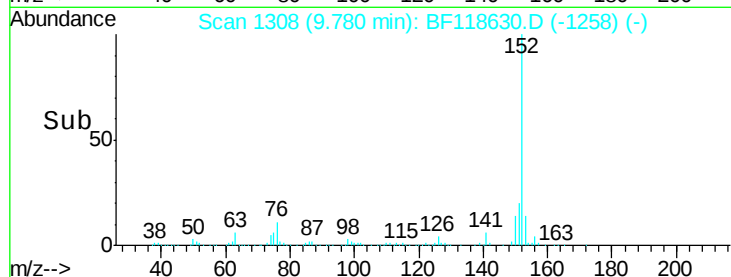
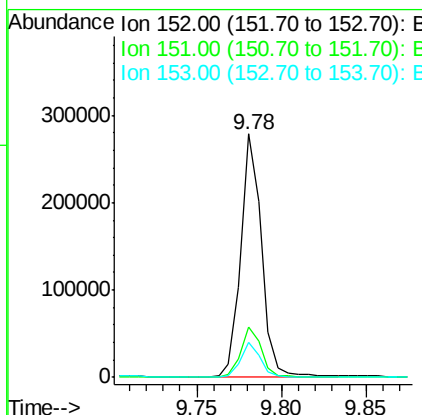
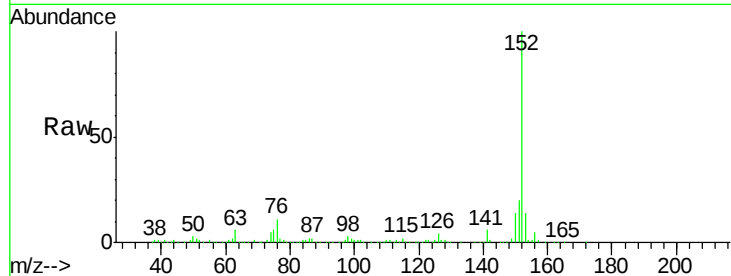
#49
Acenaphthylene
Concen: 4.766 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Instrument :
BNA_F
ClientSampleId :
SB-11-(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	237161		
151	20.4		18.6	27.8
153	14.1		12.2	18.4

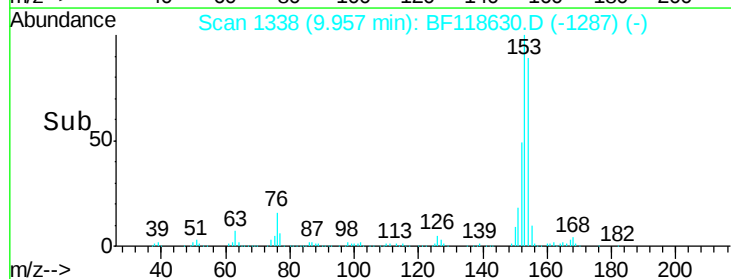
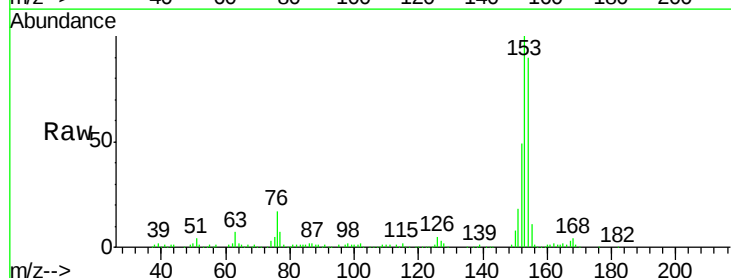
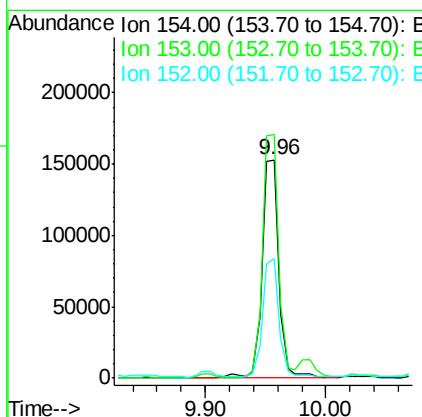
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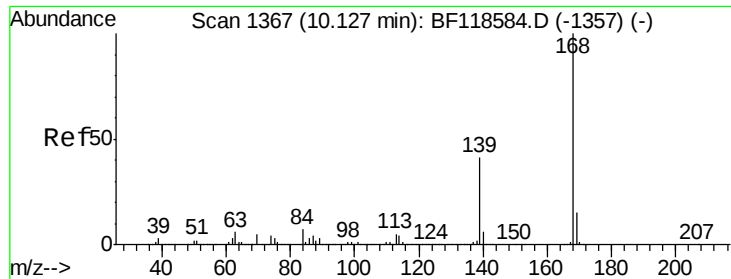
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#52
Acenaphthene
Concen: 4.496 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	149629		
153	111.6		87.6	131.4
152	54.7		44.4	66.6





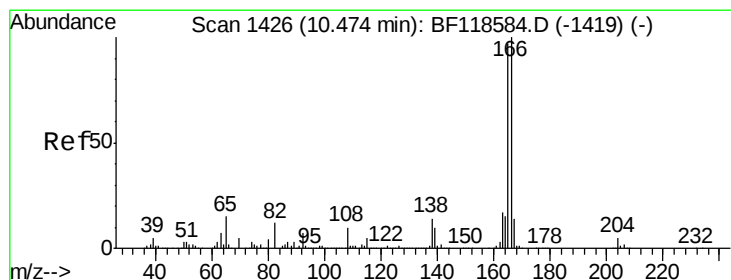
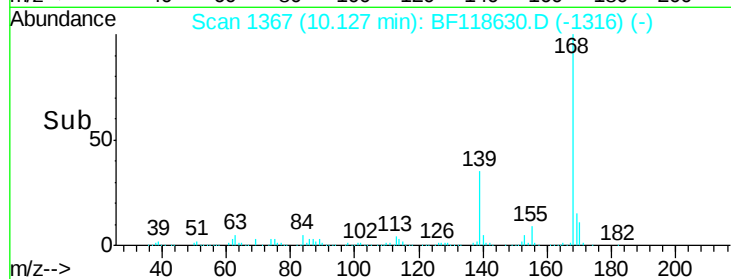
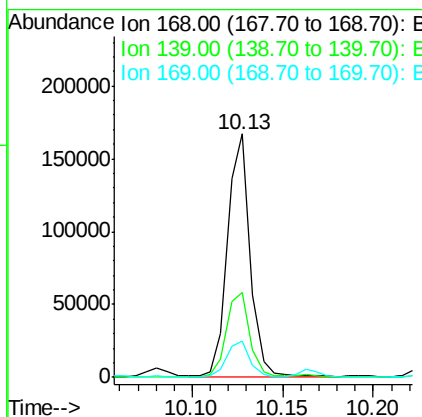
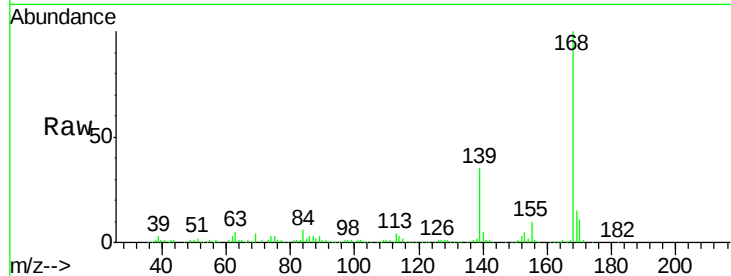
#55
Dibenzenofuran
Concen: 3.127 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Instrument :
BNA_F
ClientSampleId :
SB-11-(5-7)

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.9	32.7	49.1
169	15.1	12.2	18.2

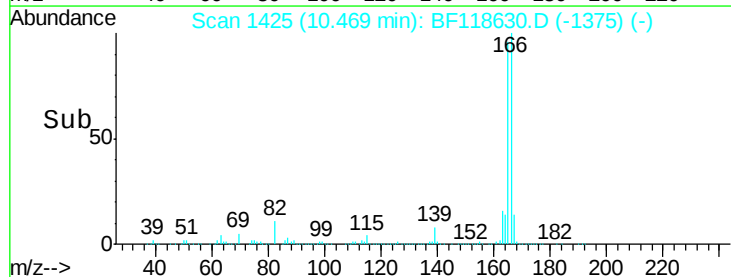
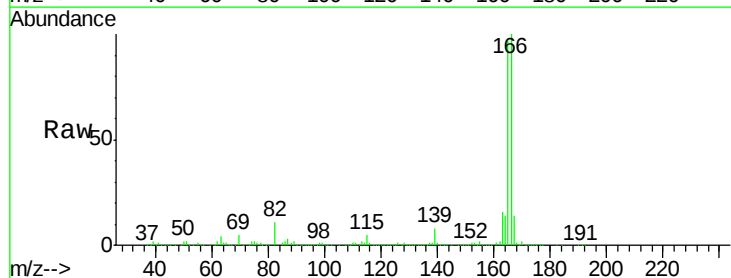
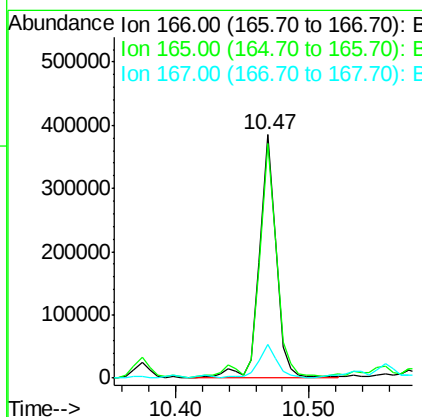
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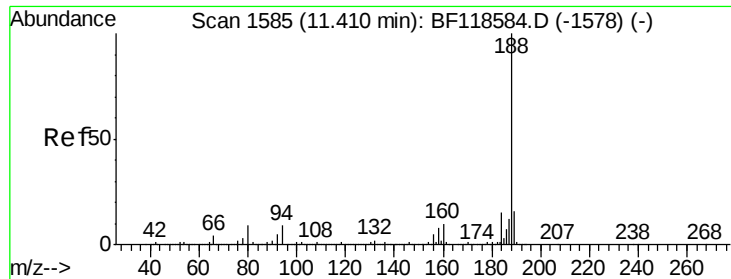
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#58
Fluorene
Concen: 9.126 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.6	77.3	115.9
167	14.0	11.5	17.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF118630.D

Acq: 21 Jan 2020 10:50

Instrument :

BNA_F

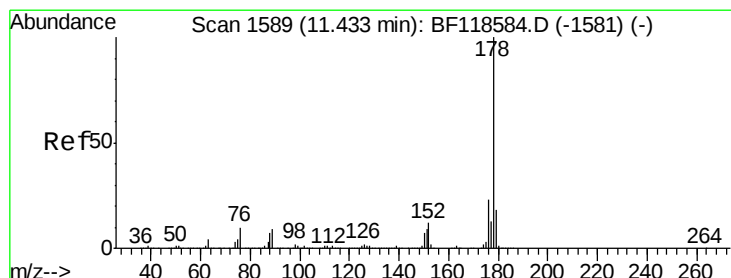
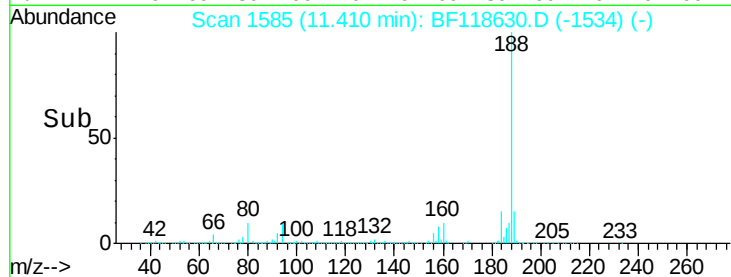
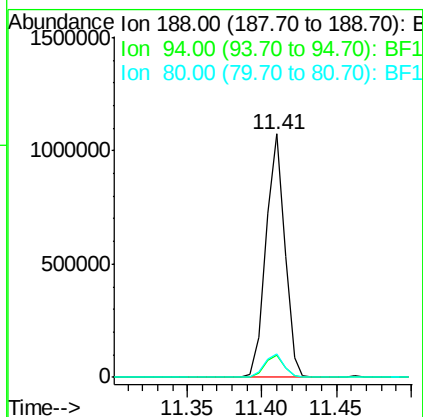
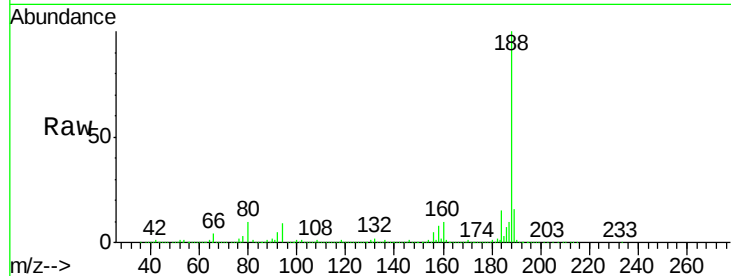
ClientSampled :

SB-11-(5-7)

Tot Ion:	188	Resp:	927414
Ion Ratio	Lower	Upper	
188	100		
94	9.3	7.1	10.7
80	9.8	7.5	11.3

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#71

Phenanthrene

Concen: 45.489 ng

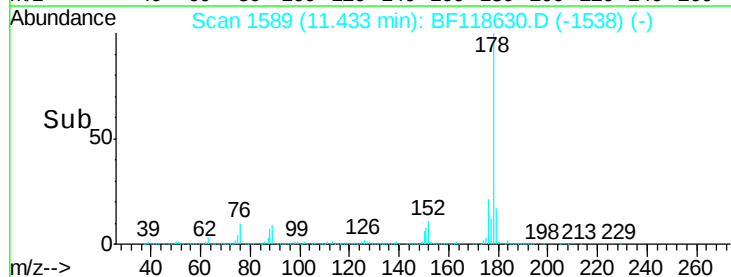
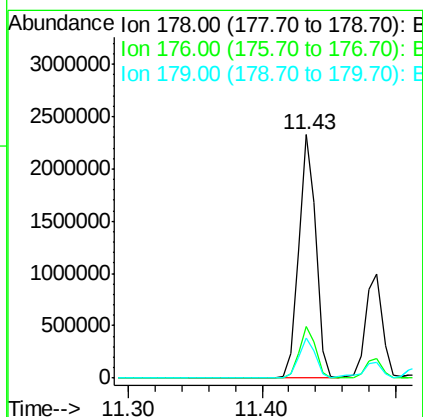
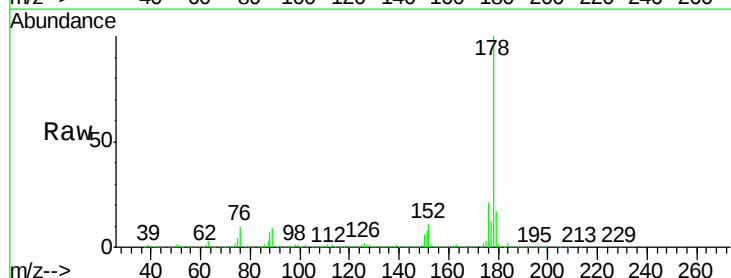
RT: 11.43 min Scan# 1589

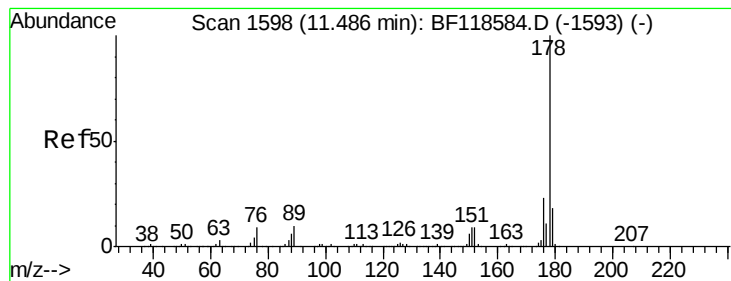
Delta R.T. 0.00 min

Lab File: BF118630.D

Acq: 21 Jan 2020 10:50

Tgt Ion:	178	Resp:	2035283
Ion Ratio	Lower	Upper	
178	100		
176	21.2	18.6	27.8
179	16.7	14.7	22.1





#72

Anthracene

Concen: 18.969 ng

RT: 11.49 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BF118630.D

Acq: 21 Jan 2020 10:50

Instrument :

BNA_F

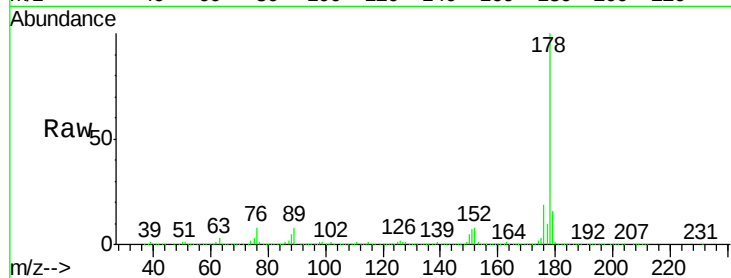
ClientSampleId :

SB-11-(5-7)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	18.0	27.0
179	15.7	14.7	22.1

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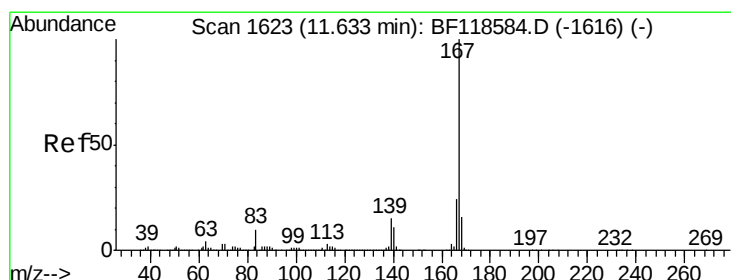
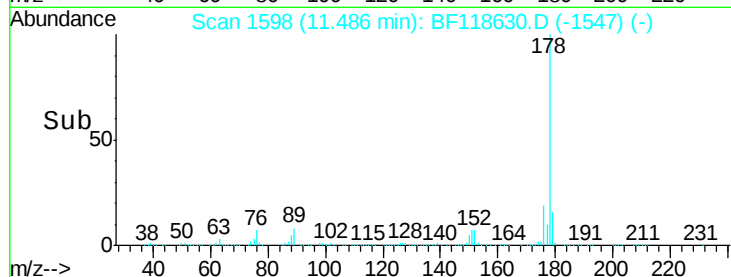
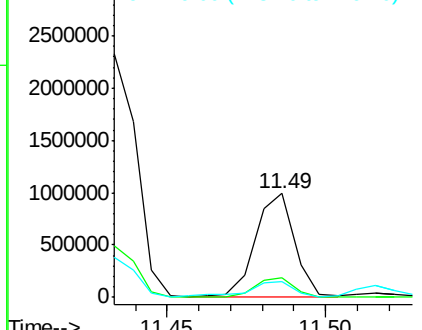


Abundance

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



#73

Carbazole

Concen: 9.881 ng

RT: 11.63 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BF118630.D

Acq: 21 Jan 2020 10:50

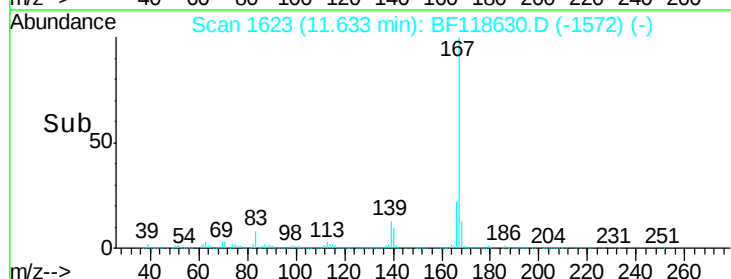
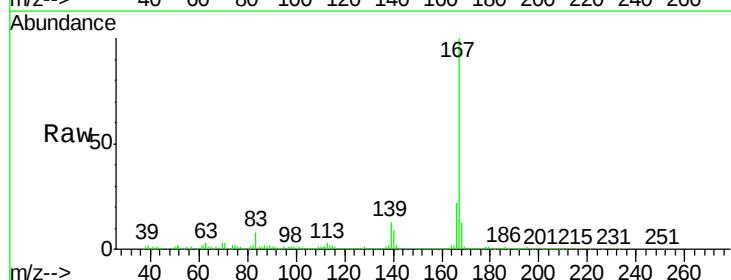
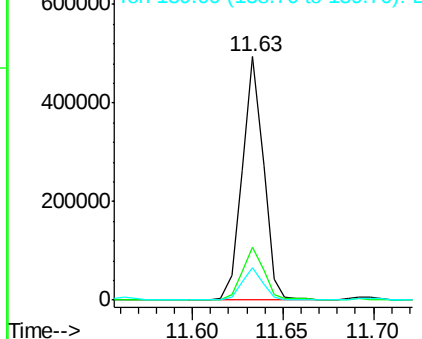
Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	19.4	29.2
139	13.3	11.7	17.5

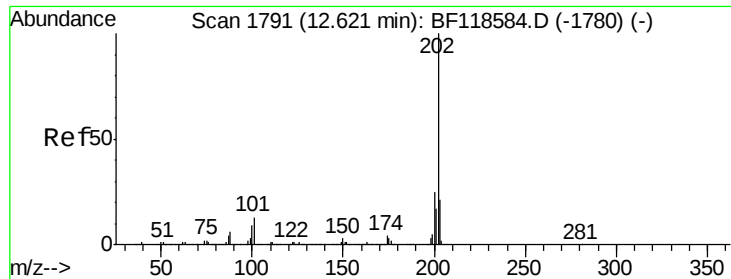
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 82.829 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF118630.D

Acq: 21 Jan 2020 10:50

Instrument :

BNA_F

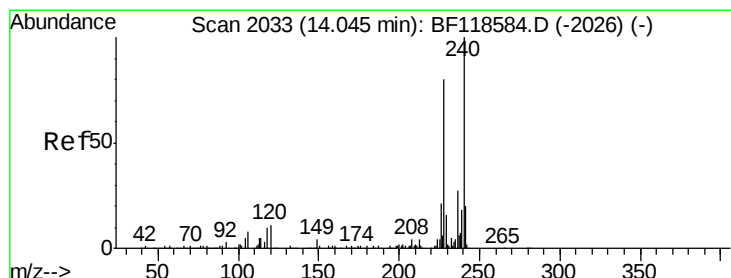
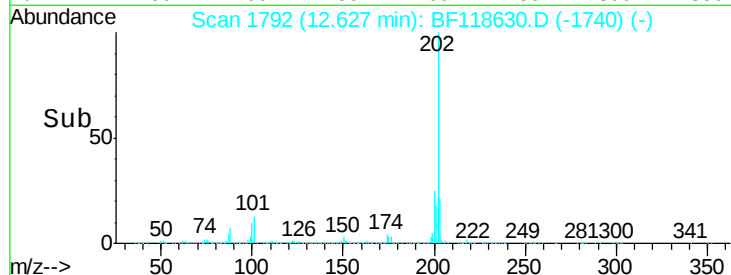
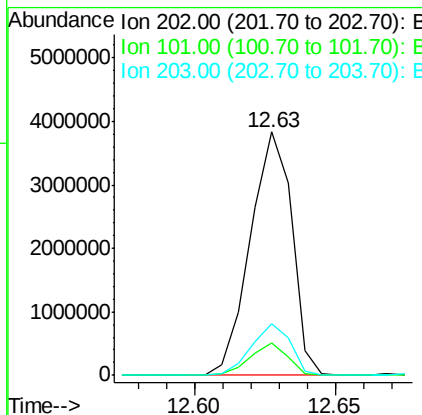
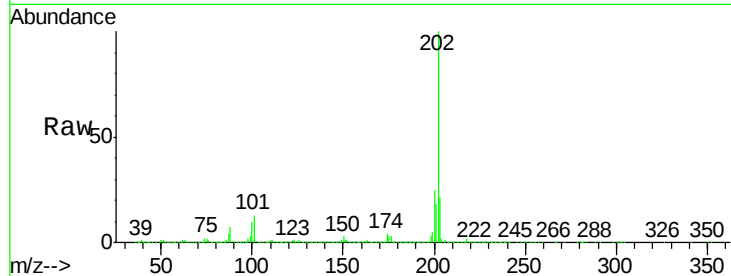
ClientSampleId :

SB-11-(5-7)

Tot Ion:	202	Resp:	3908719
Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	32.5
203	21.4	0.8	40.8

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#76

Chrysene-d12

Concen: 20.000 ng

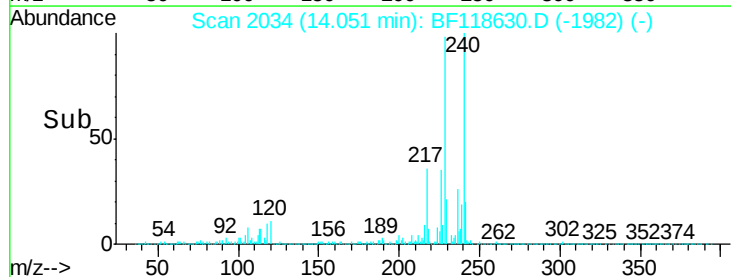
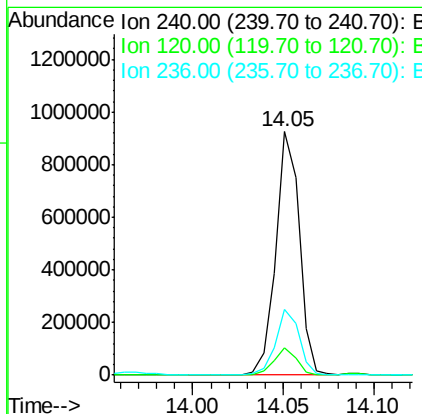
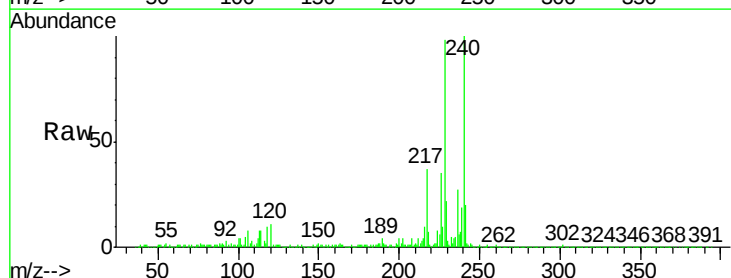
RT: 14.05 min Scan# 2034

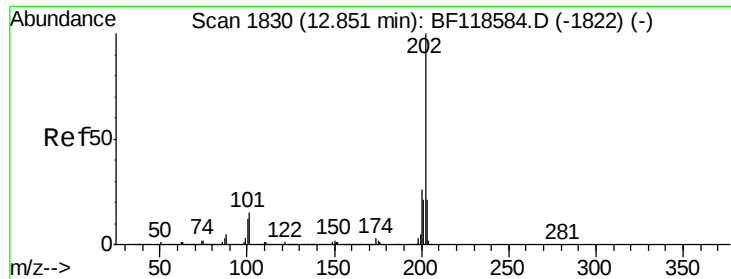
Delta R.T. 0.01 min

Lab File: BF118630.D

Acq: 21 Jan 2020 10:50

Tgt Ion:	240	Resp:	830843
Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.9	13.3
236	27.1	21.5	32.3





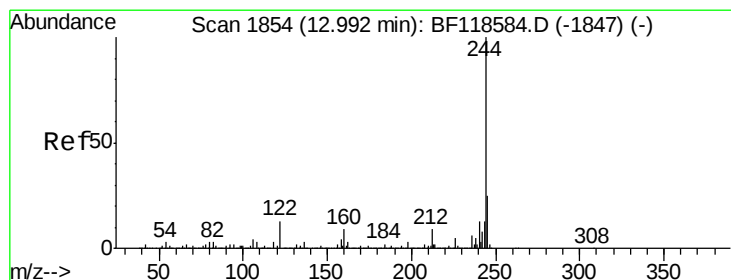
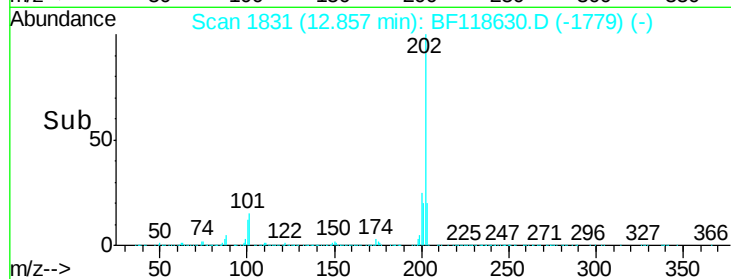
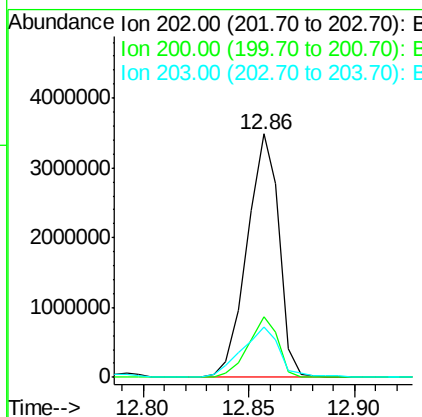
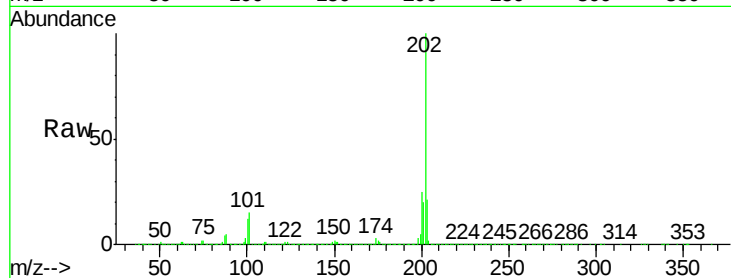
#78
Pvrene
Concen: 64.637 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Instrument :
BNA_F
ClientSampleId :
SB-11-(5-7)

Tot Ion	Ratio	Lower	Upper
202	100		
200	24.8	20.6	31.0
203	20.7	16.8	25.2

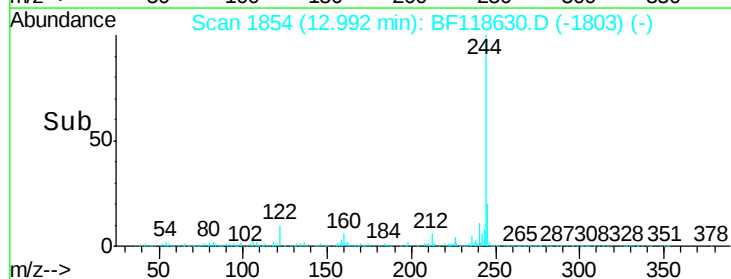
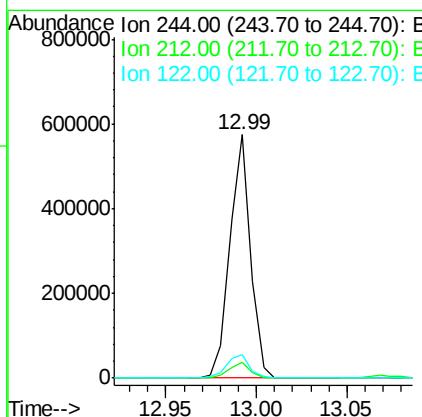
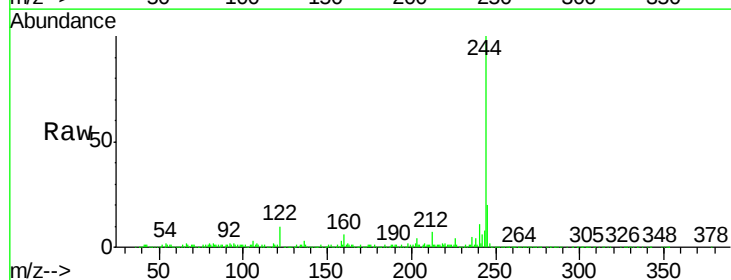
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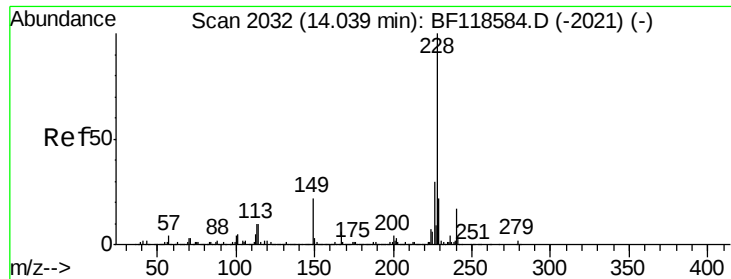
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#79
Terphenyl-d14
Concen: 11.926 ng
RT: 12.99 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	7.0	10.4#
122	9.6	10.7	16.1#





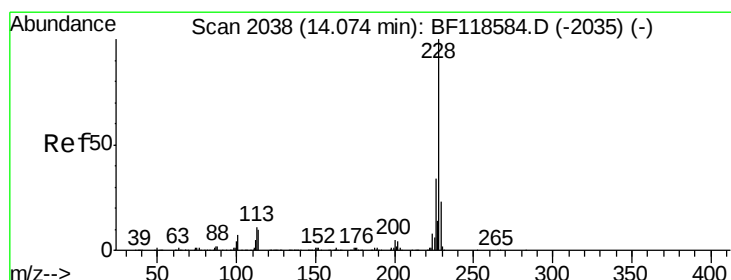
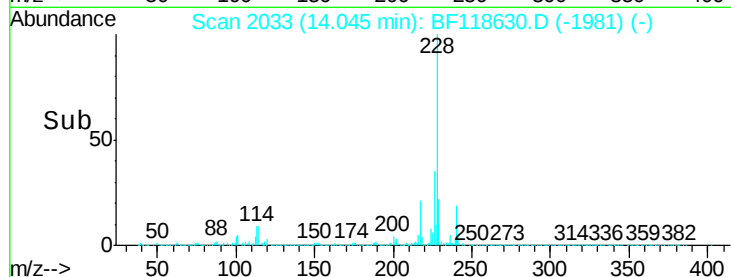
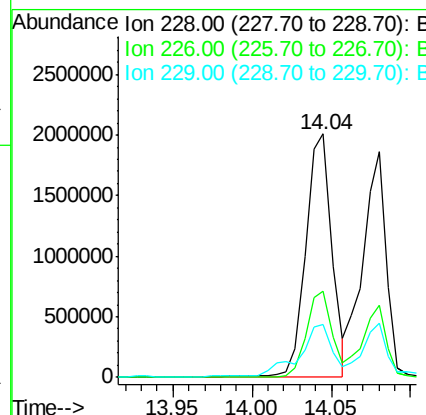
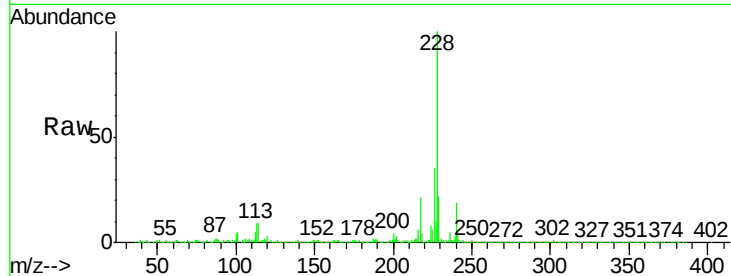
#81
Benzo(a)anthracene
Concen: 45.568 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Instrument :
BNA_F
ClientSampleId :
SB-11-(5-7)

Tot Ion:228 Resp: 2277470
Ion Ratio Lower Upper
228 100
226 35.2 24.1 36.1
229 21.9 17.6 26.4

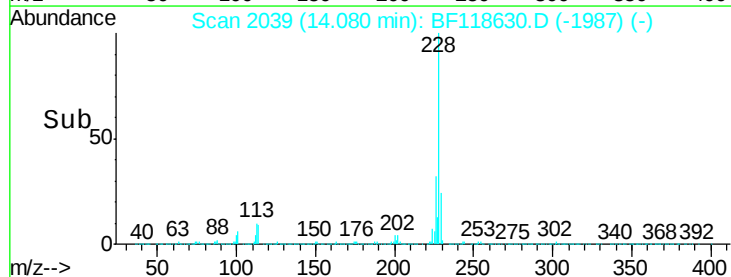
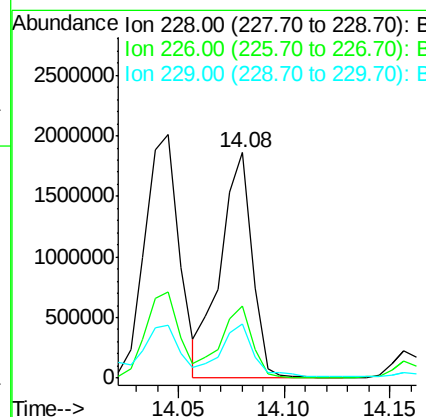
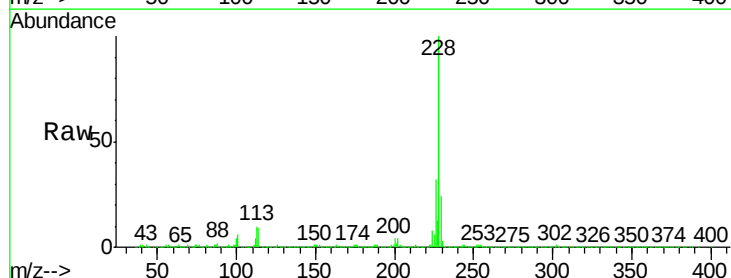
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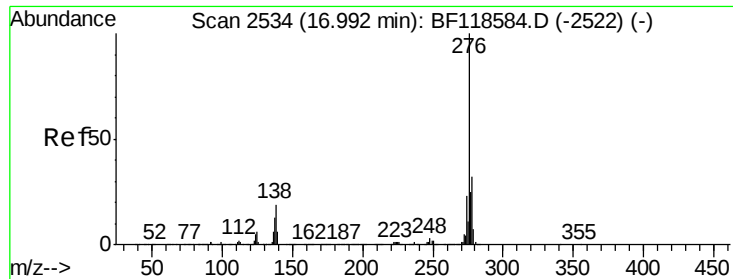
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#83
Chrysene
Concen: 40.138 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Tgt Ion:228 Resp: 1922629
Ion Ratio Lower Upper
228 100
226 32.1 27.4 41.0
229 23.8 18.3 27.5





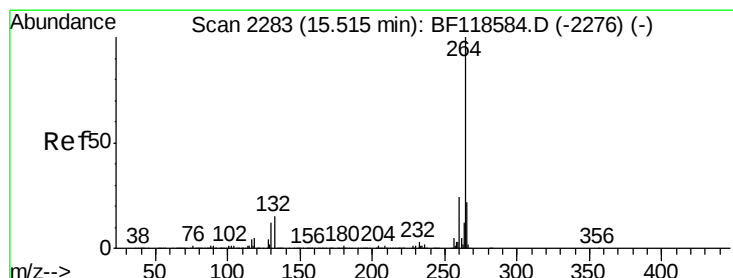
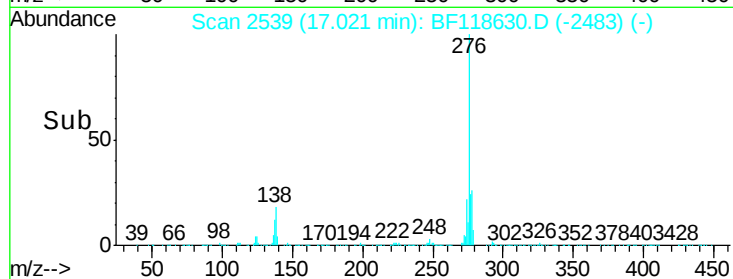
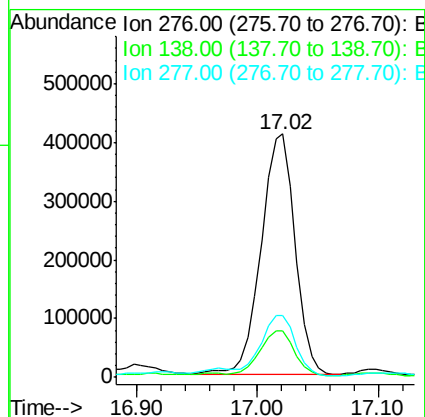
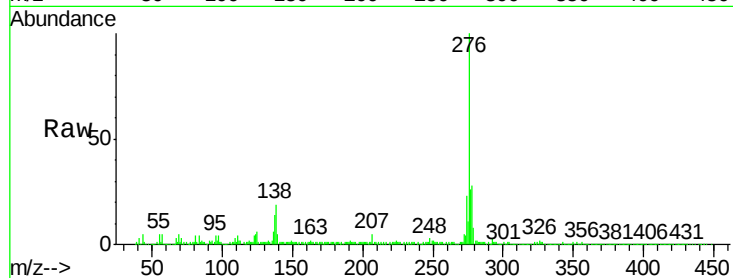
#86
Indeno(1,2,3-cd)pyrene
Concen: 19.357 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.03 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Instrument :
BNA_F
ClientSampleId :
SB-11-(5-7)

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.0	17.2	25.8
277	25.2	20.5	30.7

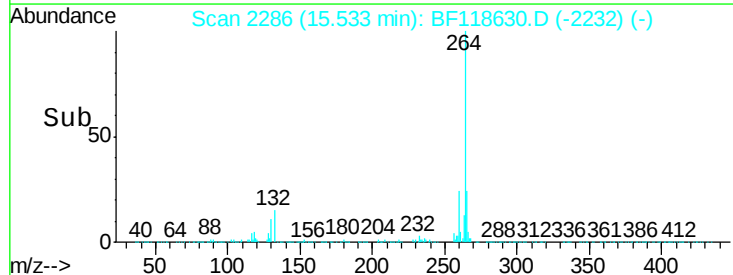
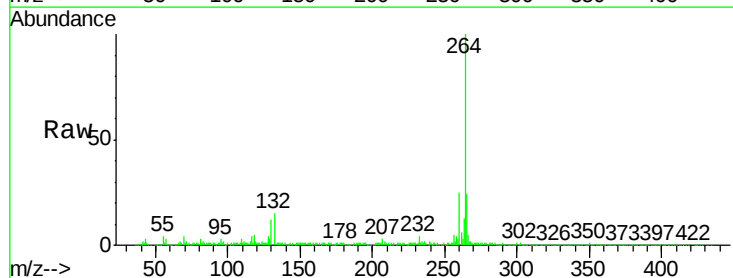
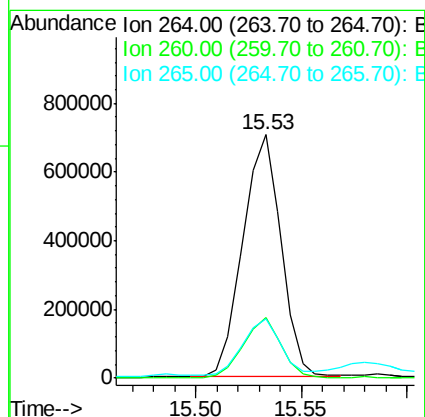
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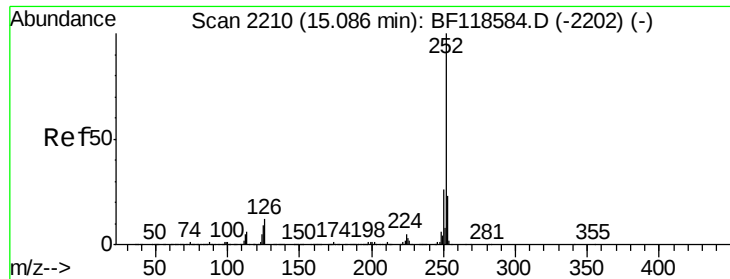
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.02 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	24.4	17.7	26.5





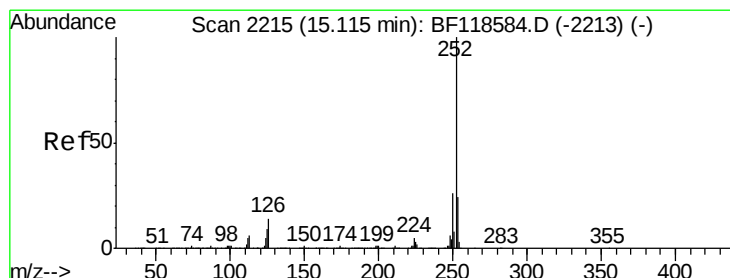
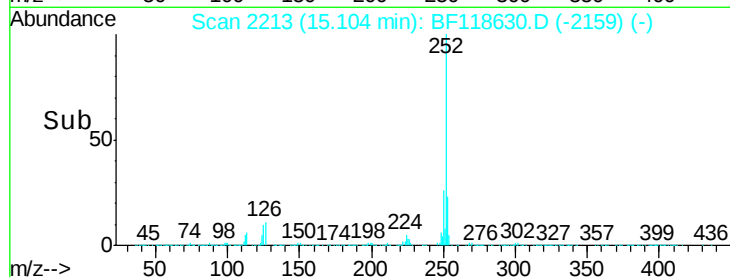
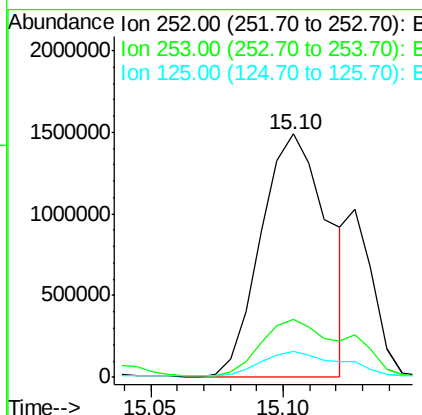
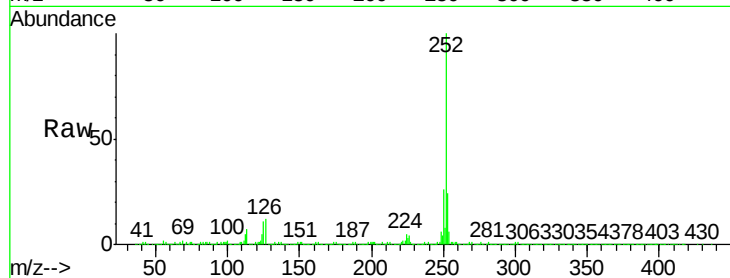
#88
Benzo(b)fluoranthene
Concen: 47.114 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.02 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Instrument :
BNA_F
ClientSampleId :
SB-11-(5-7)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.7	28.1
125	10.7	7.3	10.9

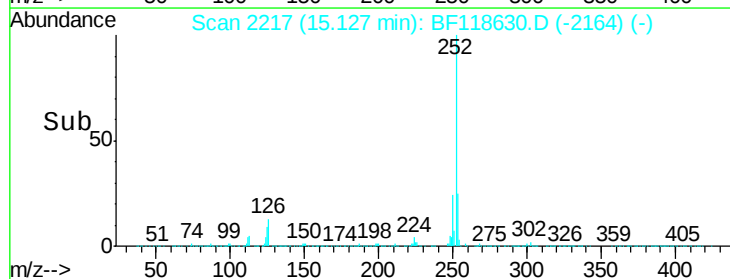
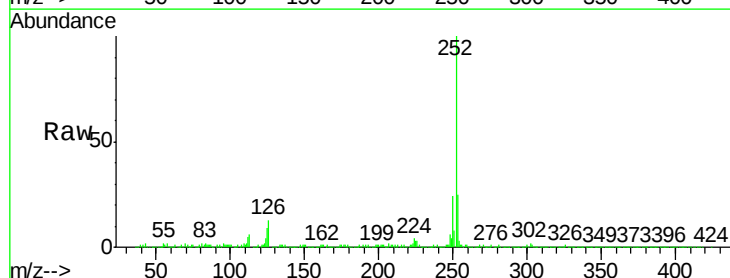
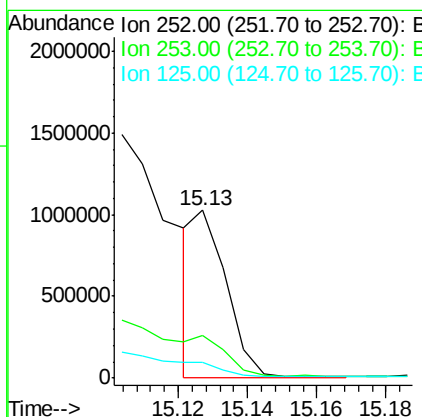
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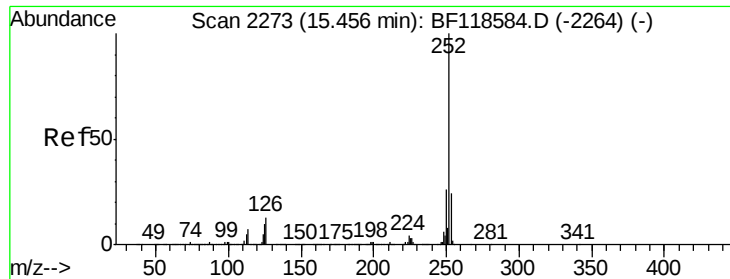
mohammad
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#89
Benzo(k)fluoranthene
Concen: 13.292 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	19.0	28.4
125	9.3	7.6	11.4





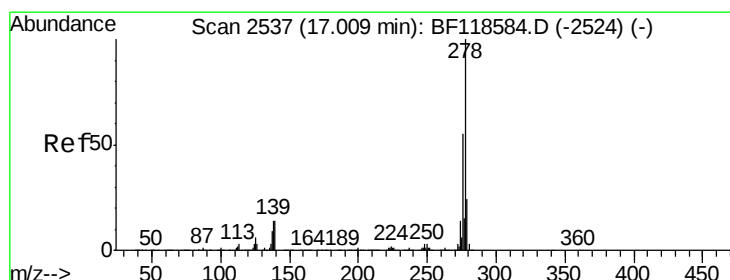
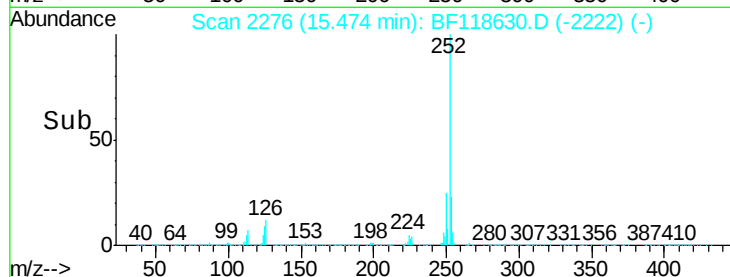
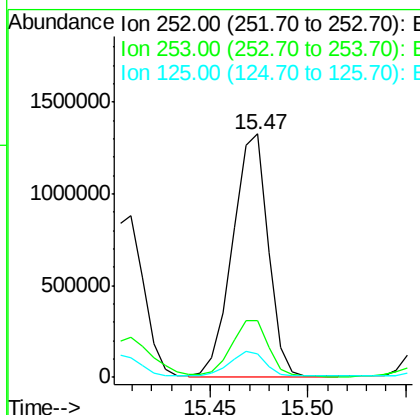
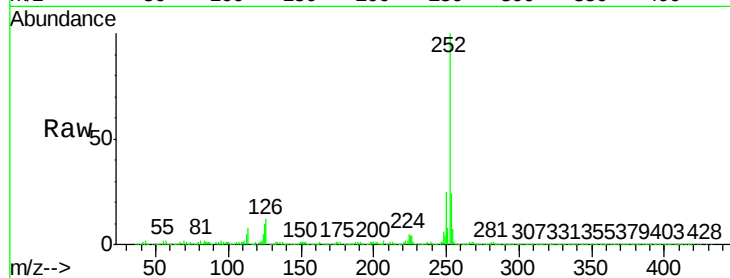
#90
Benzo(a)pyrene
Concen: 34.606 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Instrument :
BNA_F
ClientSampleId :
SB-11-(5-7)

Tot Ion:252 Resp: 1663619
Ion Ratio Lower Upper
252 100
253 23.5 18.8 28.2
125 9.8 7.8 11.6

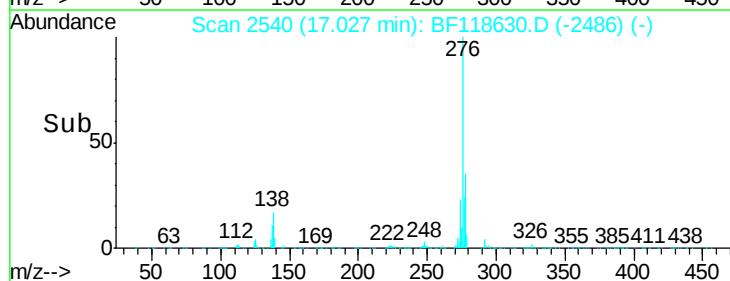
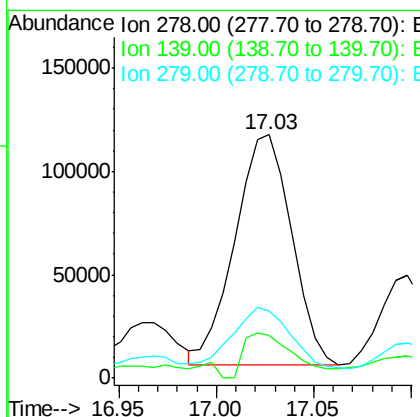
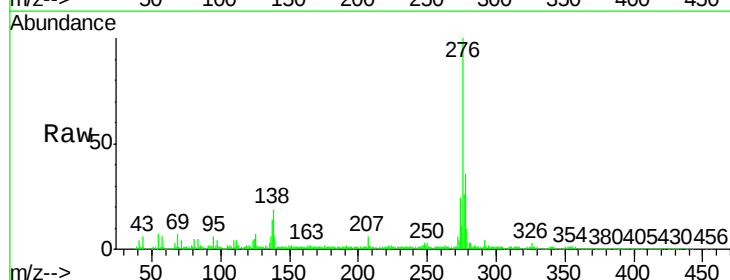
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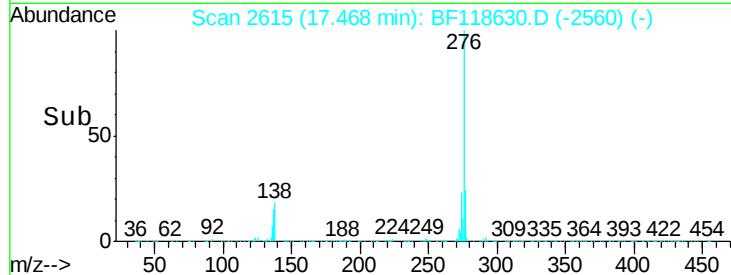
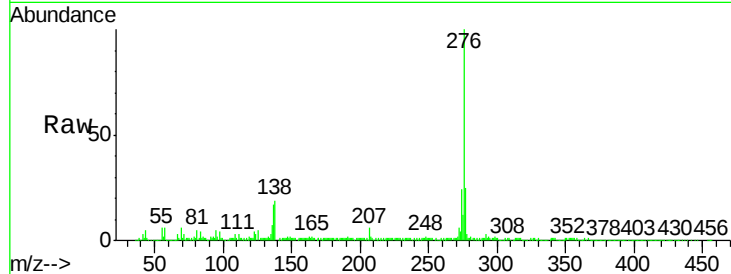
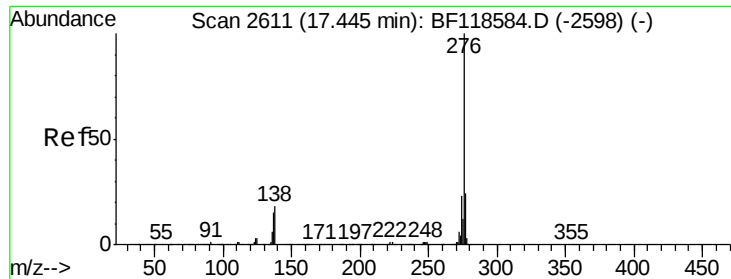
mohammad
1/21/2020 2:27:10 PM



#91
Dibenzo(a,h)anthracene
Concen: 5.252 ng
RT: 17.03 min Scan# 2540
Delta R.T. 0.02 min
Lab File: BF118630.D
Acq: 21 Jan 2020 10:50

Tgt Ion:278 Resp: 223342
Ion Ratio Lower Upper
278 100
139 17.8 11.4 17.0#
279 27.8 19.0 28.6





#92
 Benzo(a,h,i)perylene
 Concen: 16.804 ng
 RT: 17.47 min Scan# 2615
 Delta R.T. 0.02 min
 Lab File: BF118630.D
 Acq: 21 Jan 2020 10:50

Instrument :
 BNA_F
 ClientSampleId :
 SB-11-(5-7)

Tot Ion:	276	Resp:	693801
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.9	28.3
138	18.9	14.4	21.6

Manual Integrations
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