

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
 Data File : BF118975.D
 Acq On : 20 Feb 2020 23:10
 Operator : CG/JU
 Sample : L1546-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 INDIAN-ISLAND-(5)

Manual Integrations
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Quant Time: Feb 21 03:16:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	196598	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	728276	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	368406	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	580040	20.00	ng	0.00
76) Chrysene-d12	13.90	240	421864	20.00	ng	0.00
87) Perylene-d12	15.33	264	438327	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1110180	94.37	ng	0.00
7) Phenol-d6	6.40	99	1372351	95.92	ng	0.00
23) Nitrobenzene-d5	7.32	82	885327	64.19	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	404815	84.00	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1621707	64.85	ng	0.00
79) Terphenyl-d14	12.86	244	1450442	59.19	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.50	163	111701	3.965	ng	99
58) Fluorene	10.33	166	55332	2.283	ng	# 97
71) Phenanthrene	11.30	178	590962	18.682	ng	99
72) Anthracene	11.35	178	96421	3.051	ng	98
75) Fluoranthene	12.48	202	377282	11.236	ng	99
78) Pyrene	12.71	202	598486	17.667	ng	99
81) Benzo(a)anthracene	13.90	228	232050m	8.073	ng	
83) Chrysene	13.93	228	257950	9.006	ng	98
86) Indeno(1,2,3-cd)pyrene	16.73	276	74042	2.670	ng	97
88) Benzo(b)fluoranthene	14.93	252	169865m	5.879	ng	
89) Benzo(k)fluoranthene	14.94	252	63396m	2.368	ng	
90) Benzo(a)pyrene	15.27	252	154589	5.928	ng	98
92) Benzo(a,h,i)perylene	17.15	276	81156	3.580	ng	98

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

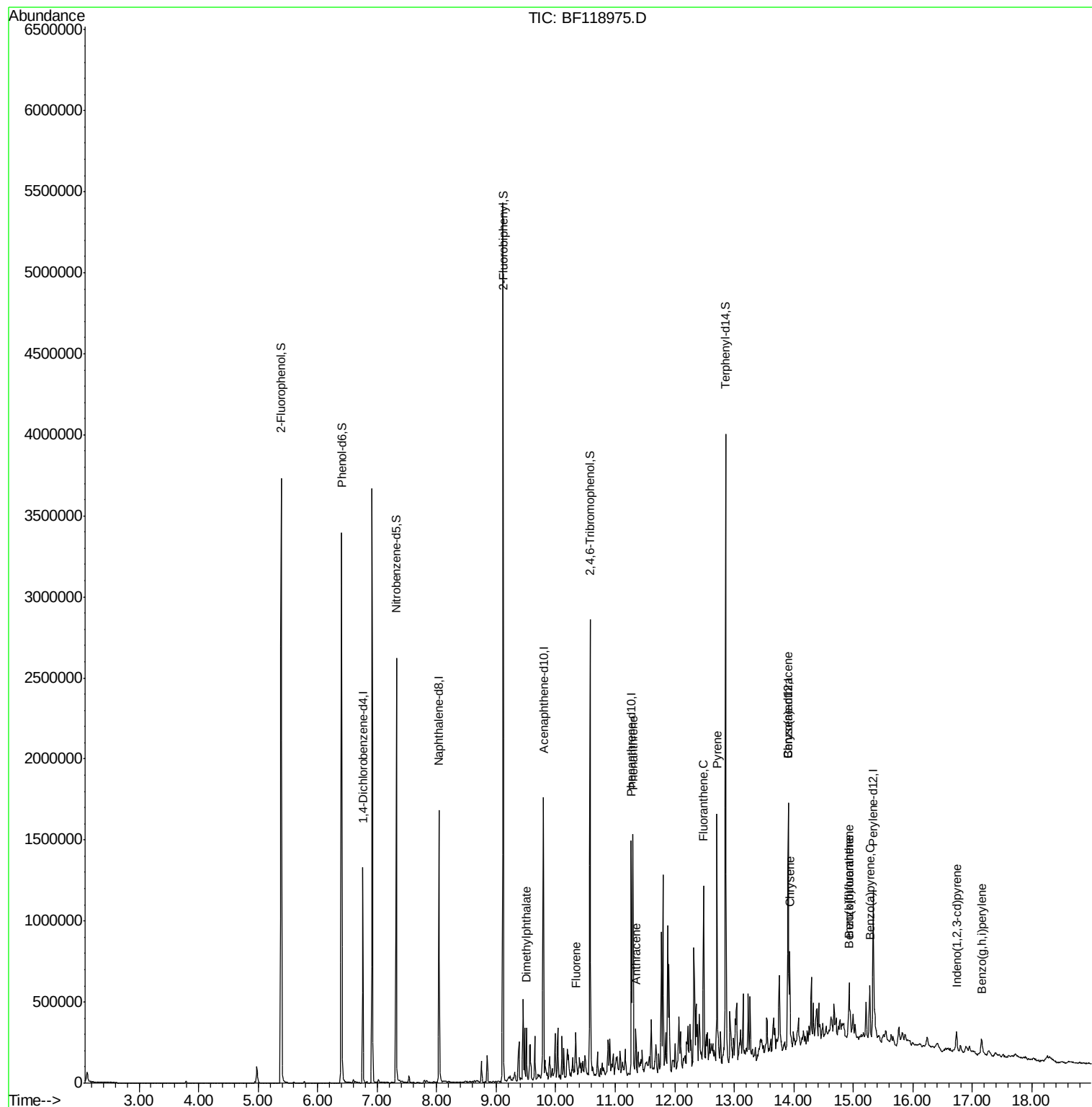
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
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ALS Vial : 11 Sample Multiplier: 1

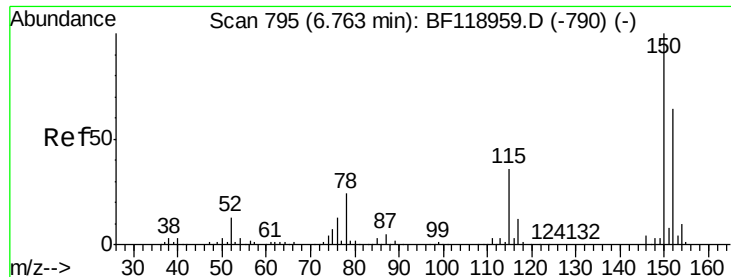
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

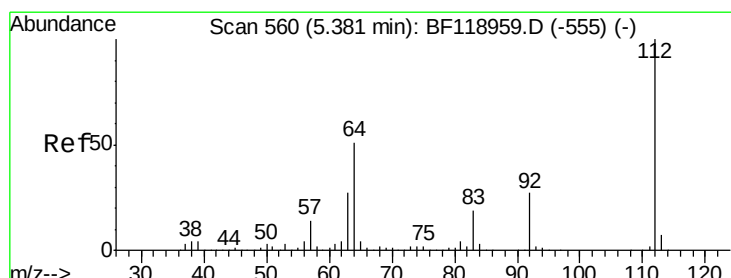
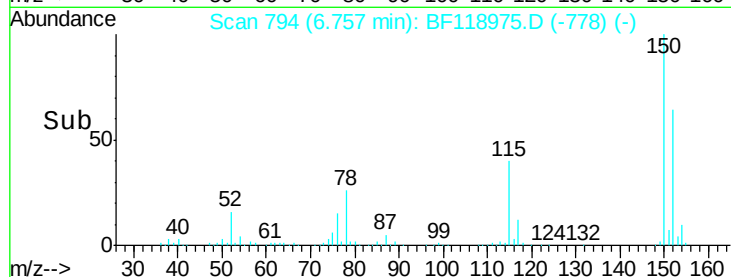
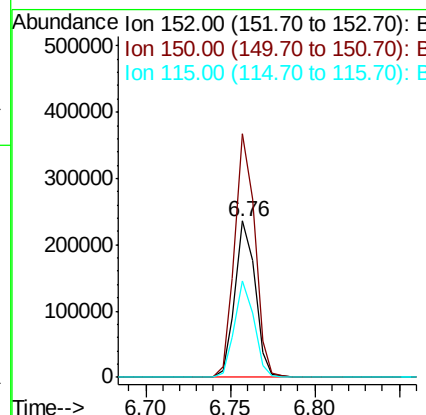
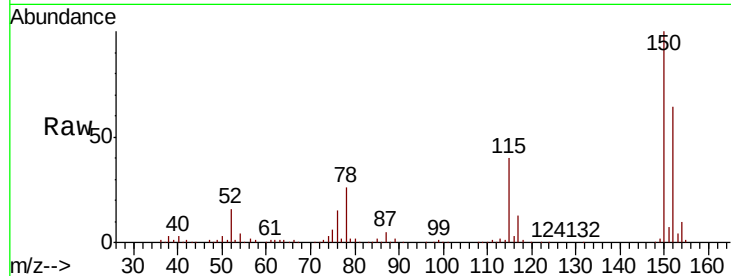
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF118975.D
Acq: 20 Feb 2020 23:10

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.3	186.5
115	61.8	44.6	67.0

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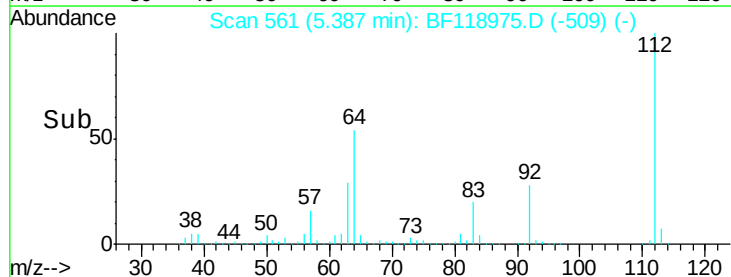
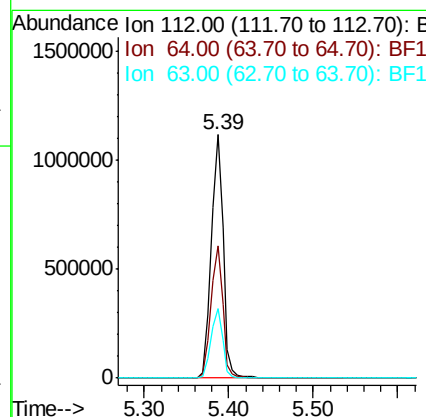
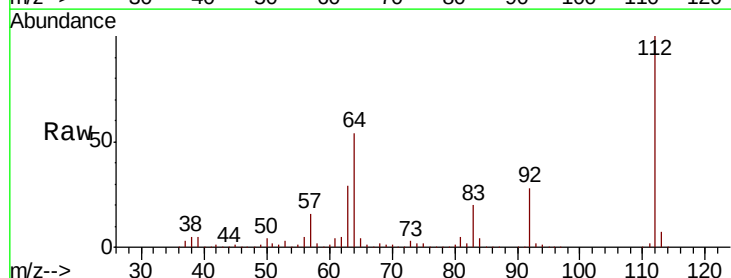
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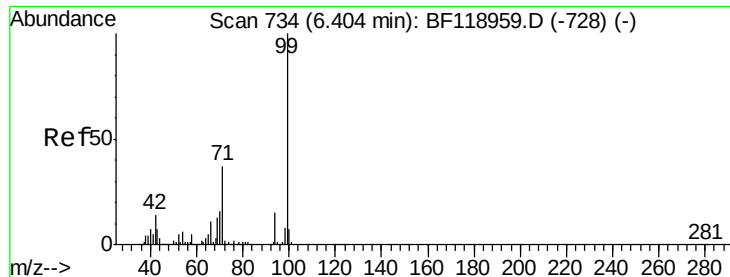


#5

2-Fluorophenol
Concen: 94.371 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF118975.D
Acq: 20 Feb 2020 23:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	40.4	60.6
63	28.5	21.3	31.9





#7

Phenol-d6

Concen: 95.920 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF118975.D

Acq: 20 Feb 2020 23:10

Instrument :

BNA_F

ClientSampleId :

INDIAN-ISLAND-(5)

Tot Ion: 99 Resp: 1372351

Ion Ratio Lower Upper

99 100

42 14.5 11.4 17.0

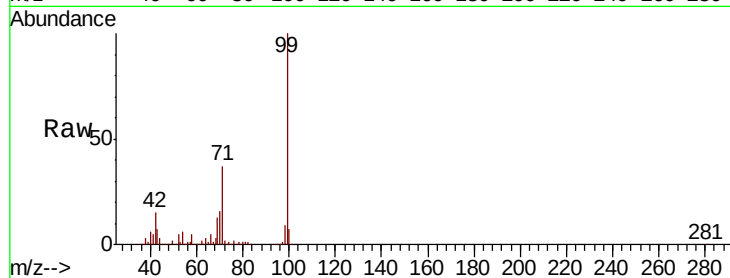
71 37.3 29.8 44.6

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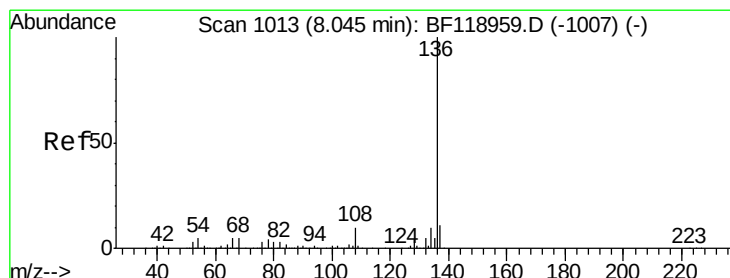
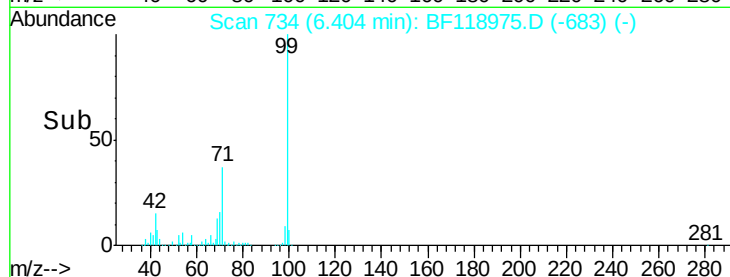
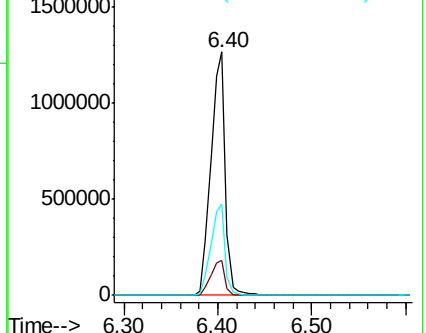
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF118975.D

Acq: 20 Feb 2020 23:10

Tgt Ion: 136 Resp: 728276

Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 5.0 3.8 5.6

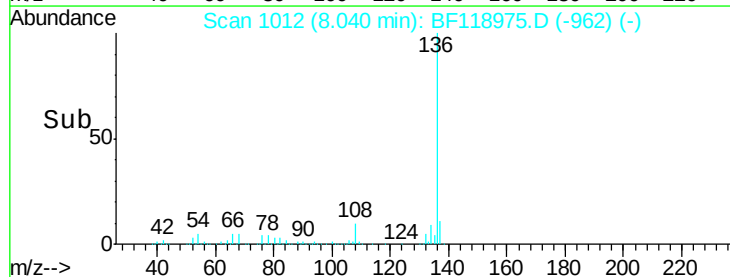
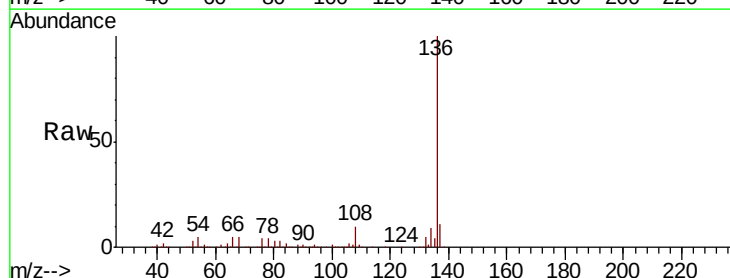
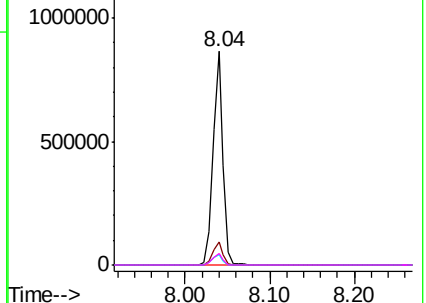
68 5.4 4.2 6.2

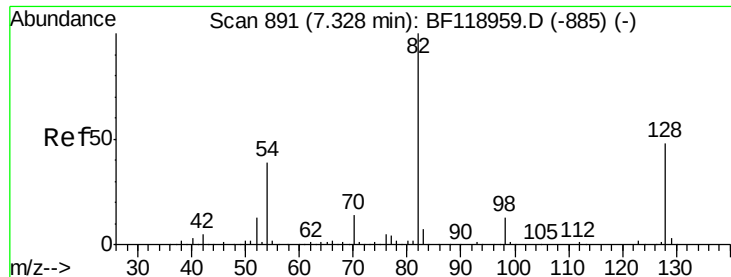
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





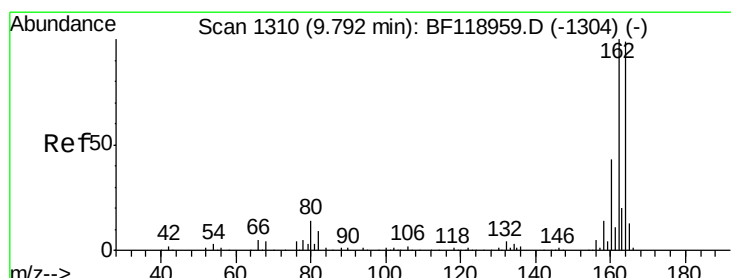
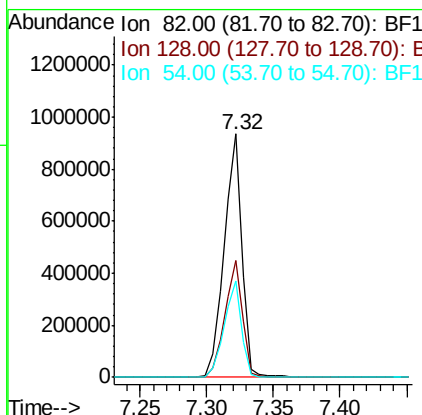
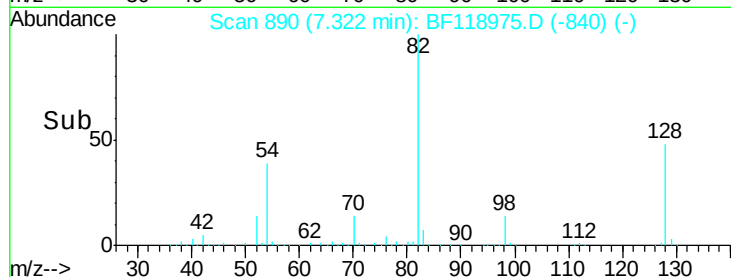
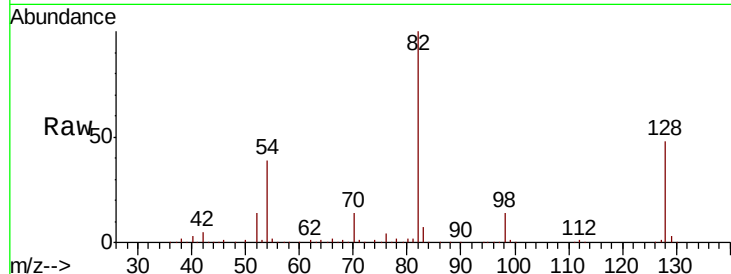
#23
Nitrobenzene-d5
Concen: 64.186 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF118975.D
Acq: 20 Feb 2020 23:10

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(5)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	885327		
128	48.1		38.2	57.2
54	39.4		31.3	46.9

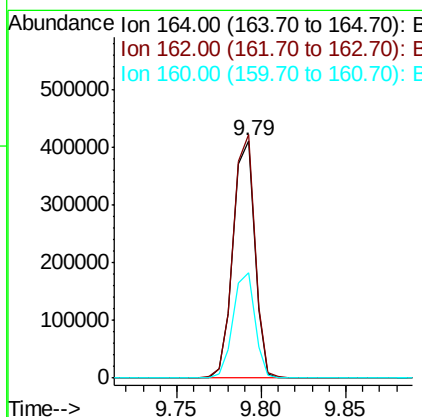
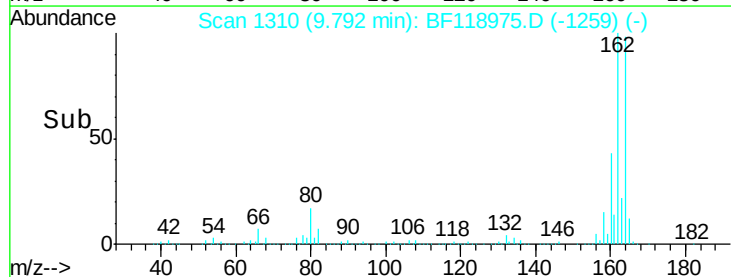
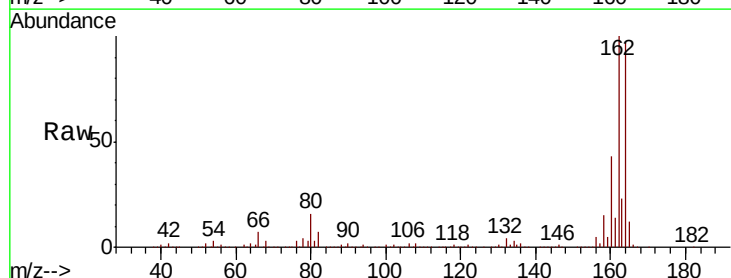
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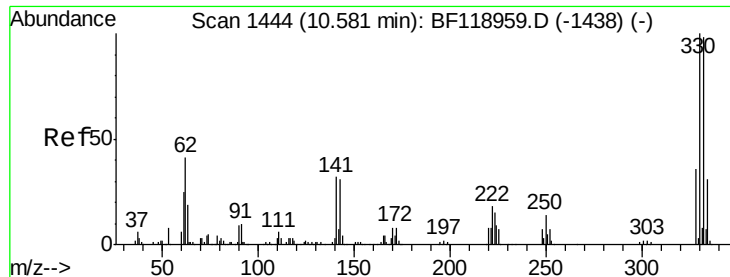
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BF118975.D
Acq: 20 Feb 2020 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	368406		
162	102.6		81.2	121.8
160	44.2		35.2	52.8





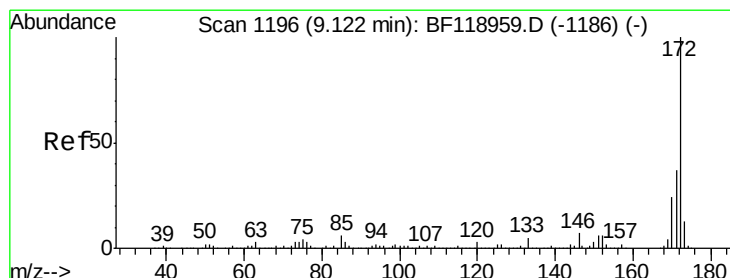
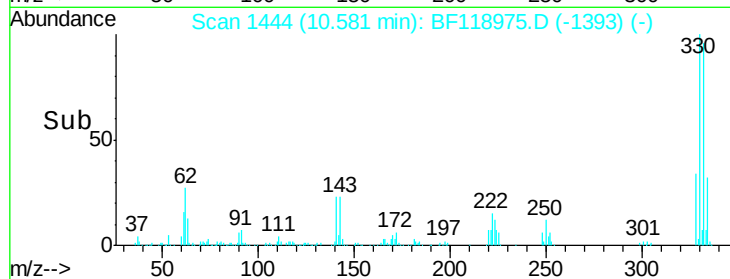
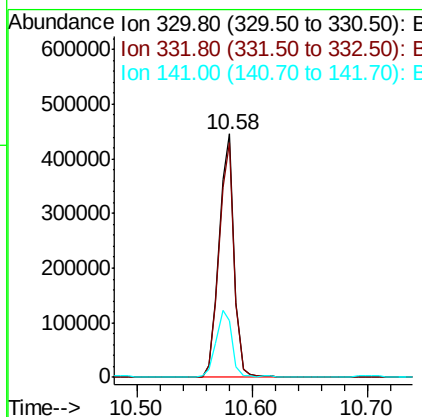
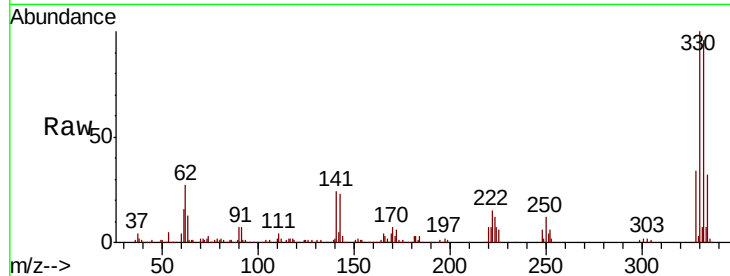
#42
 2,4,6-Tribromophenol
 Concen: 83.997 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: BF118975.D
 Acq: 20 Feb 2020 23:10

Instrument :
 BNA_F
 ClientSampleId :
 INDIAN-ISLAND-(5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	28.7	23.0	34.6

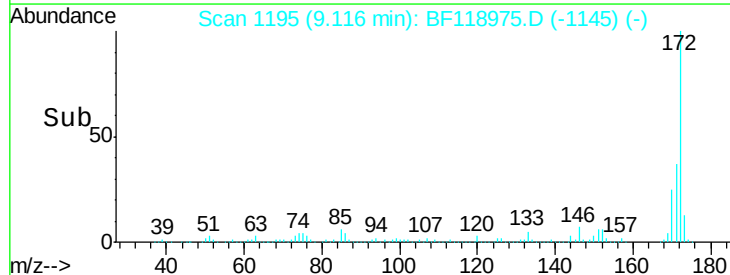
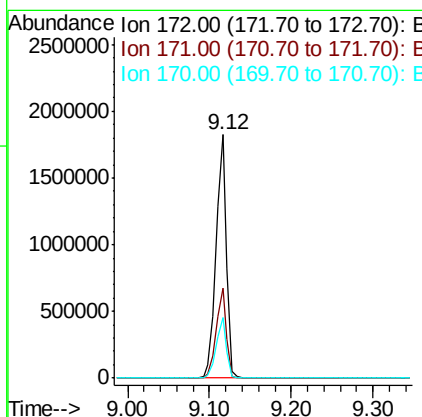
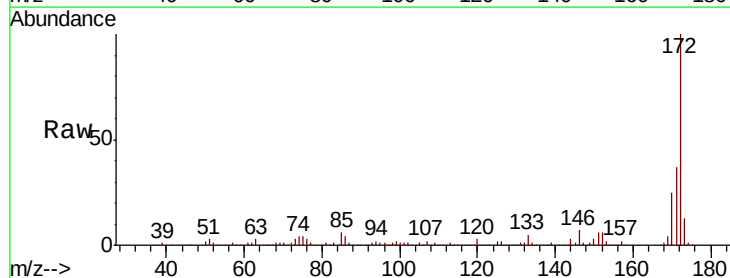
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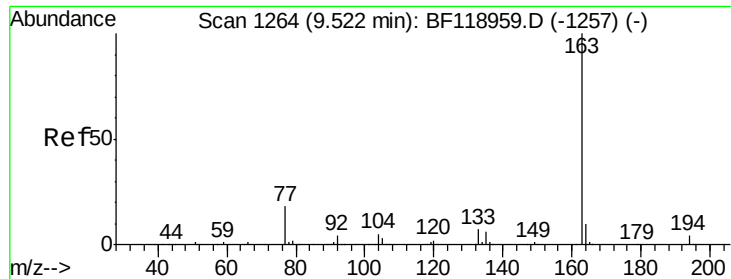
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#45
 2-Fluorobiphenyl
 Concen: 64.848 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF118975.D
 Acq: 20 Feb 2020 23:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.4	44.2
170	24.7	19.6	29.4





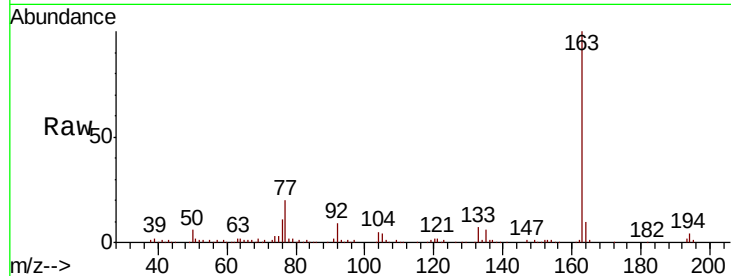
#50
Dimethylphthalate
Concen: 3.965 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF118975.D
Acq: 20 Feb 2020 23:10

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(5)

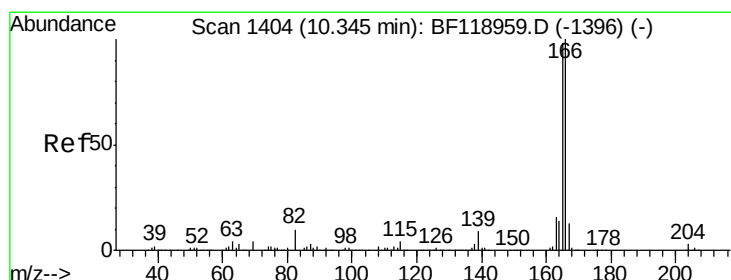
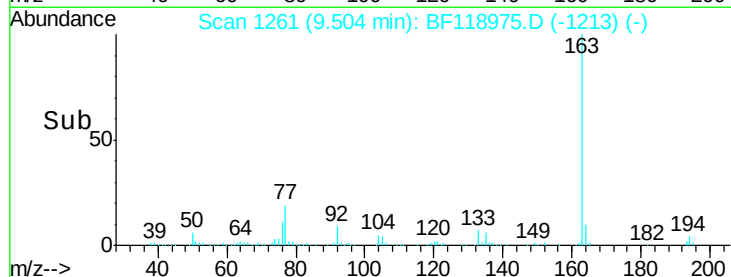
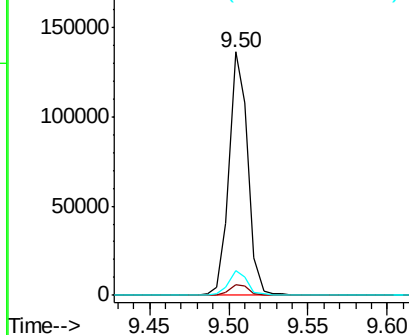
Tot Ion	Ratio	Resp	Lower	Upper
163	100	111701		
194	4.5	3.4	5.2	
164	10.0	8.2	12.2	

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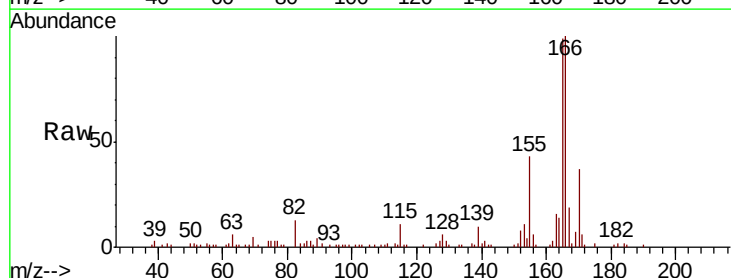


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

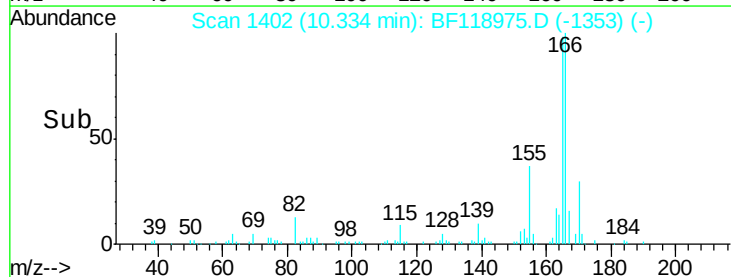
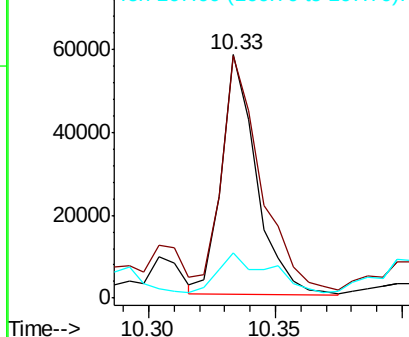


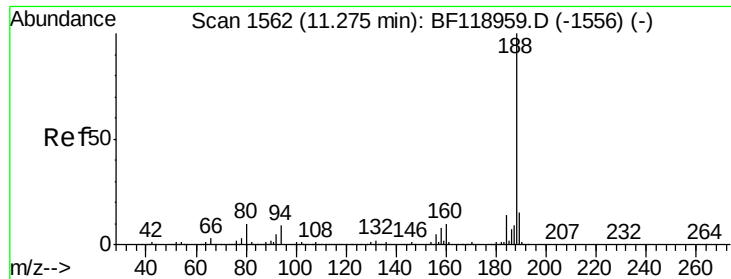
#58
Fluorene
Concen: 2.283 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF118975.D
Acq: 20 Feb 2020 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	55332		
165	99.3	78.2	117.4	
167	18.6	10.6	16.0	



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





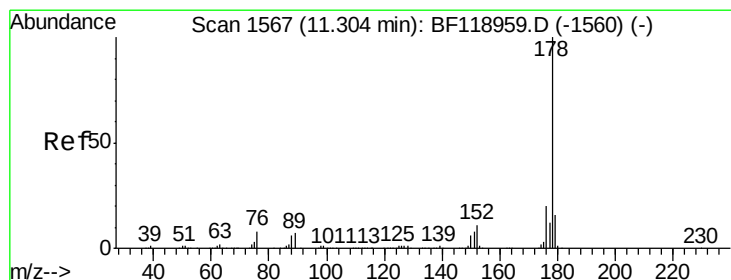
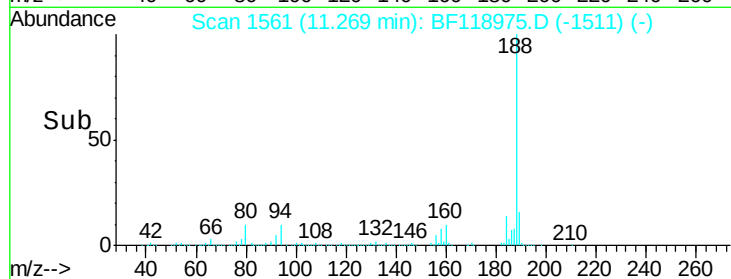
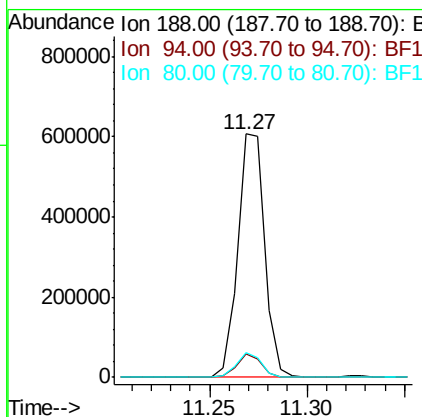
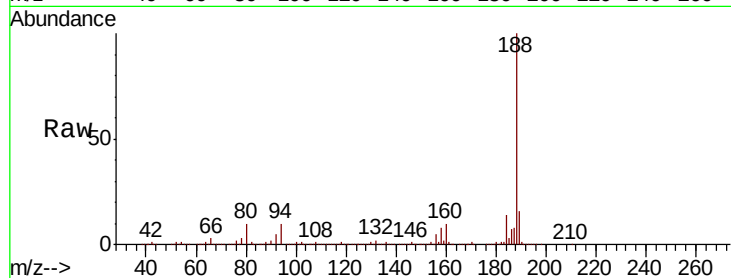
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF118975.D
Acq: 20 Feb 2020 23:10

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	580040		
94	9.5		7.0	10.6
80	10.0		7.9	11.9

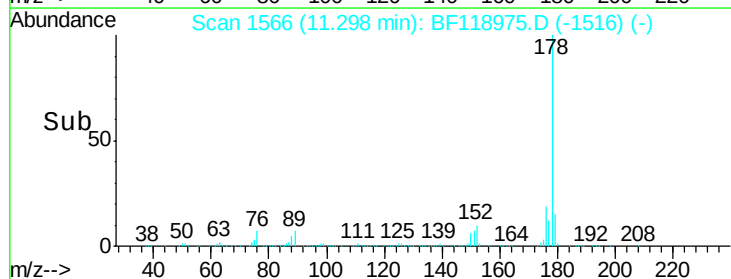
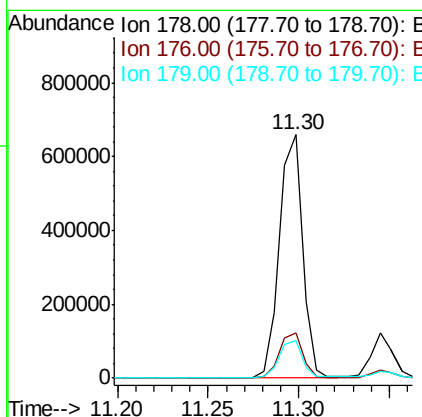
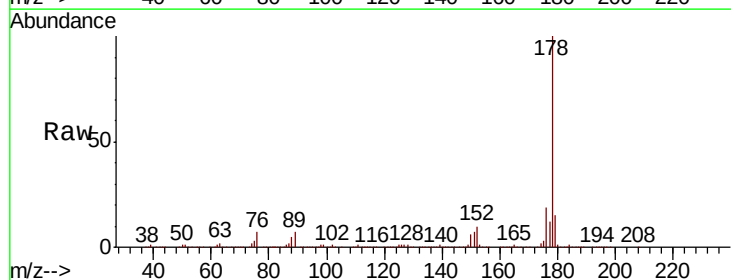
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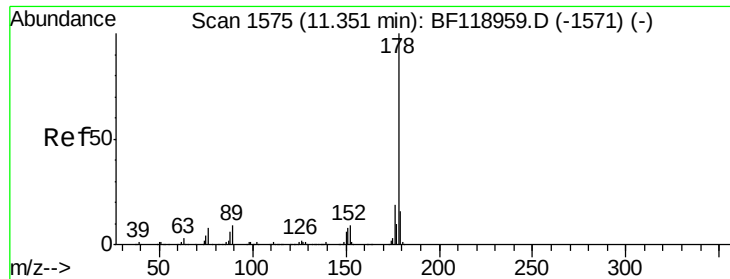
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#71
Phenanthrene
Concen: 18.682 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF118975.D
Acq: 20 Feb 2020 23:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	590962		
176	18.7		15.6	23.4
179	15.4		12.6	18.8





#72

Anthracene

Concen: 3.051 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF118975.D

Acq: 20 Feb 2020 23:10

Instrument :

BNA_F

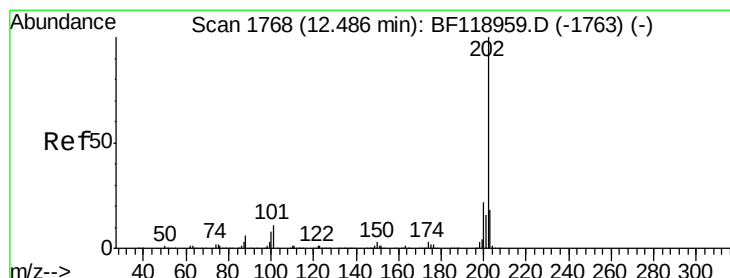
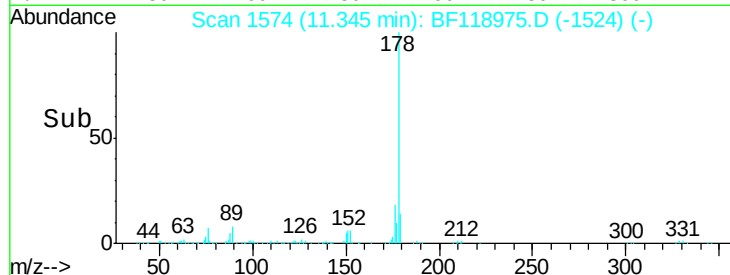
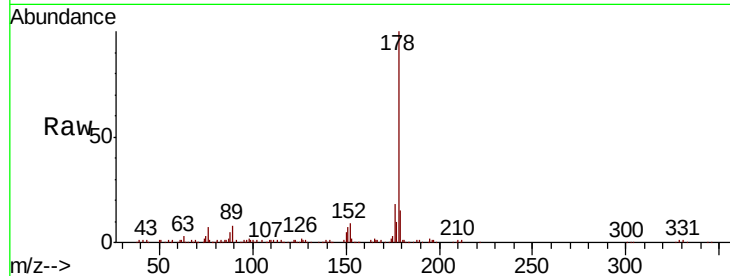
ClientSampleId :

INDIAN-ISLAND-(5)

Tot Ion:	178	Resp:	96421
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.4	23.2
179	14.8	12.8	19.2

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#75

Fluoranthene

Concen: 11.236 ng

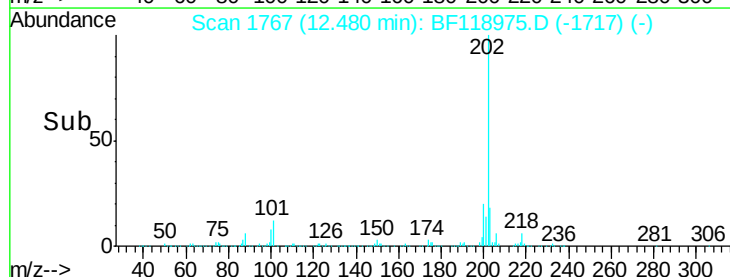
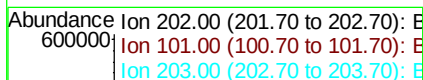
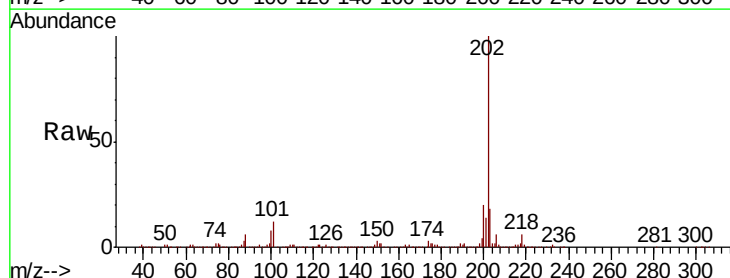
RT: 12.48 min Scan# 1767

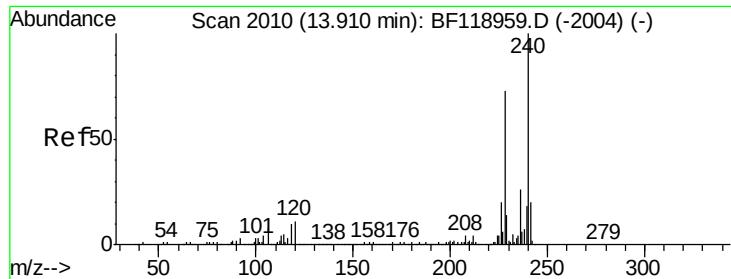
Delta R.T. -0.01 min

Lab File: BF118975.D

Acq: 20 Feb 2020 23:10

Tgt Ion:	202	Resp:	377282
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	31.1
203	18.4	0.0	38.1





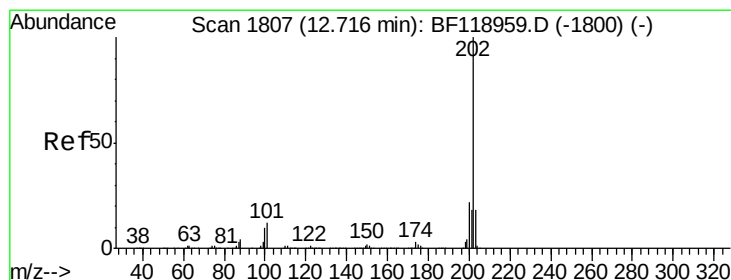
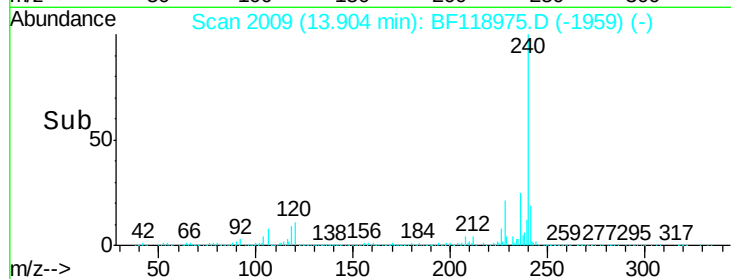
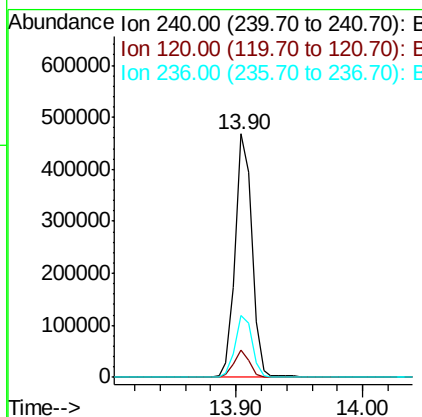
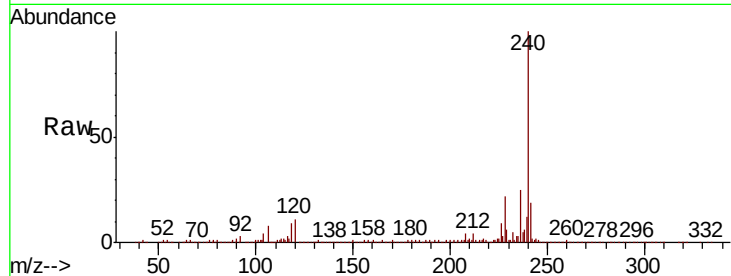
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF118975.D
Acq: 20 Feb 2020 23:10

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.9	13.3
236	25.2	20.6	30.8

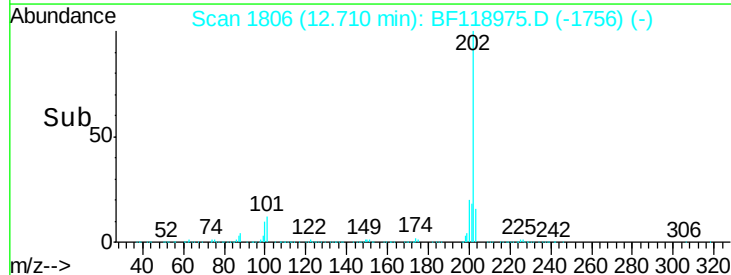
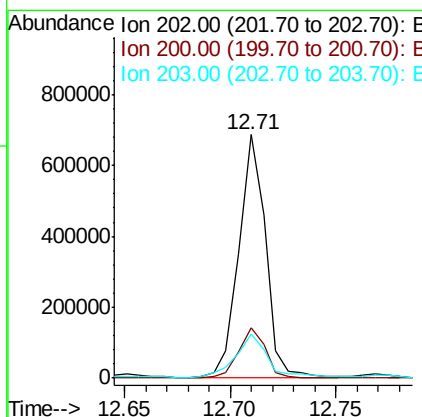
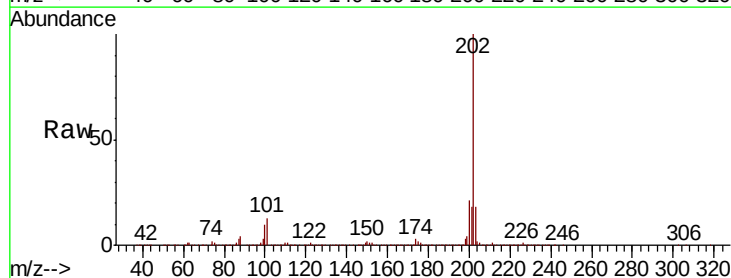
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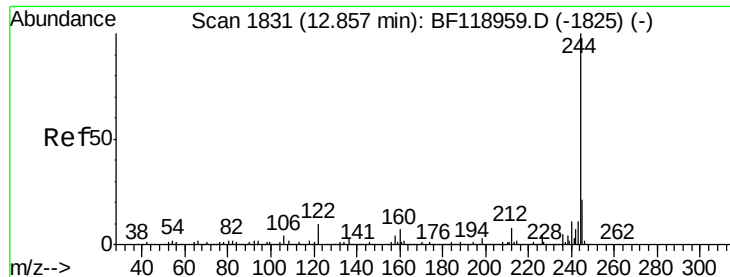
mohammad
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#78
Pyrene
Concen: 17.667 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF118975.D
Acq: 20 Feb 2020 23:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.0
203	17.9	14.5	21.7





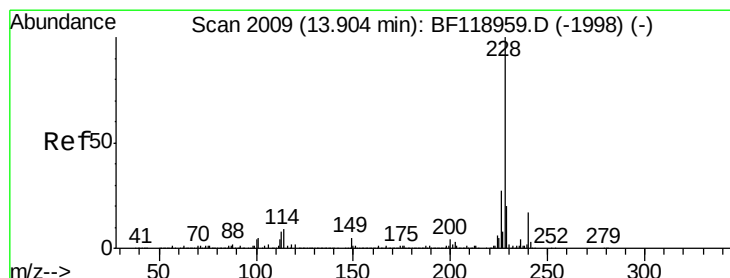
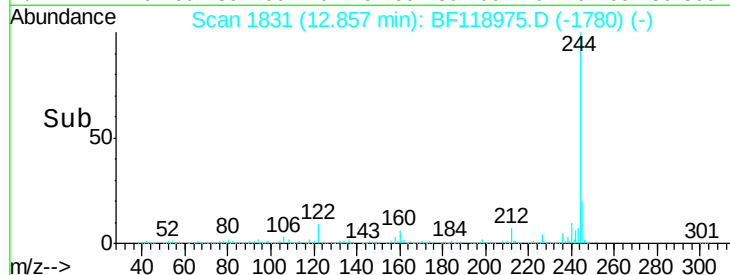
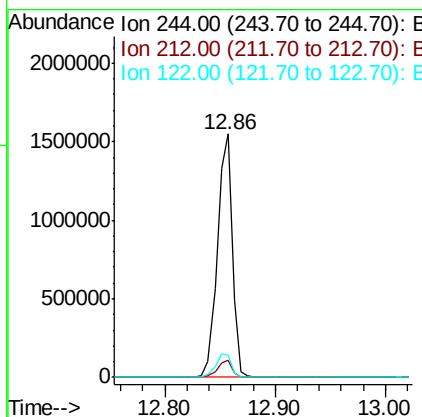
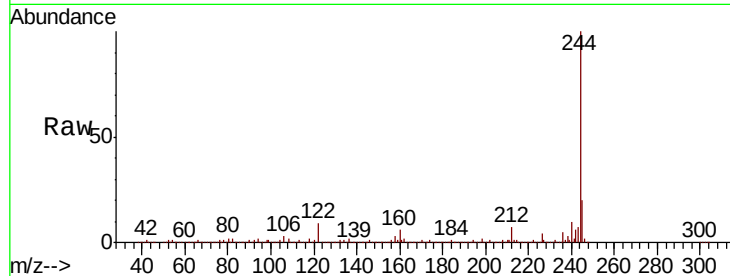
#79
 Terphenyl-d14
 Concen: 59.194 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. 0.00 min
 Lab File: BF118975.D
 Acq: 20 Feb 2020 23:10

Instrument :
 BNA_F
 ClientSampleId :
 INDIAN-ISLAND-(5)

Tot Ion	Ion	Ratio	Lower	Upper
244	100			
212	6.9	6.3	9.5	
122	9.1	8.4	12.6	

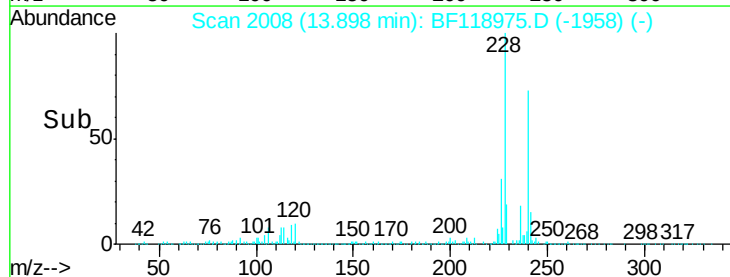
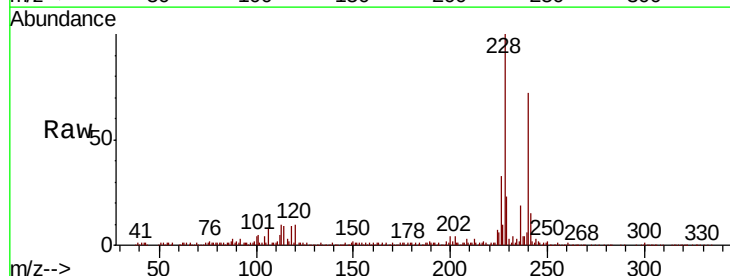
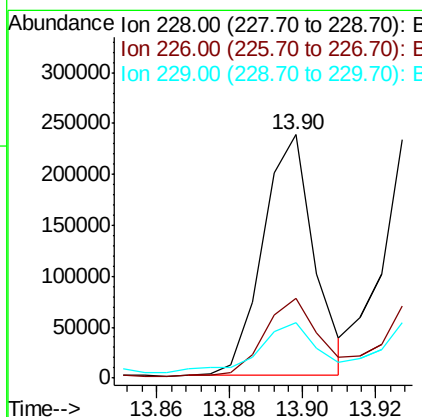
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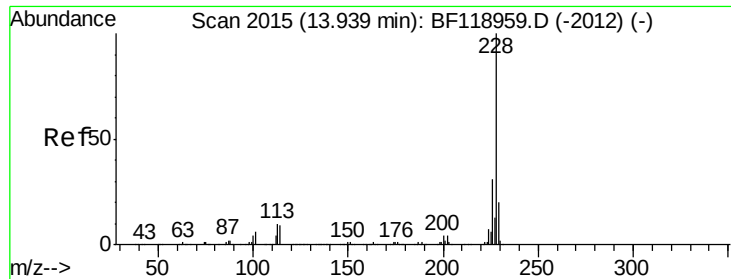
mohammad
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#81
 Benzo(a)anthracene
 Concen: 8.073 ng m
 RT: 13.90 min Scan# 2008
 Delta R.T. -0.01 min
 Lab File: BF118975.D
 Acq: 20 Feb 2020 23:10

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	32.8	21.8	32.8#	
229	22.7	16.0	24.0	





#83

Chrysene

Concen: 9.006 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF118975.D

Acq: 20 Feb 2020 23:10

Instrument :

BNA_F

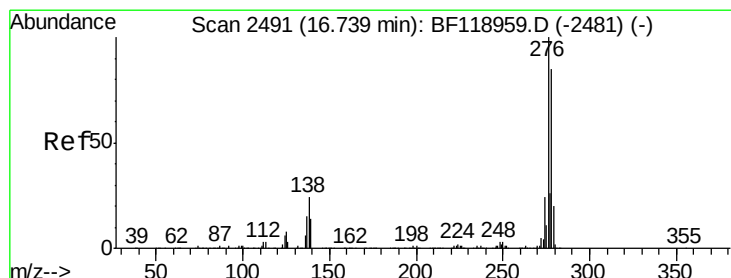
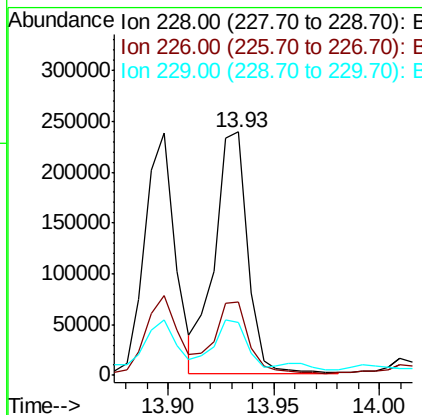
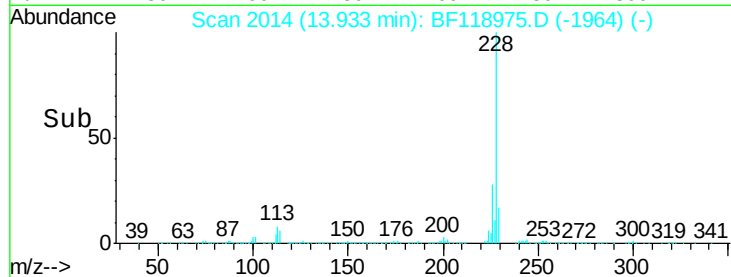
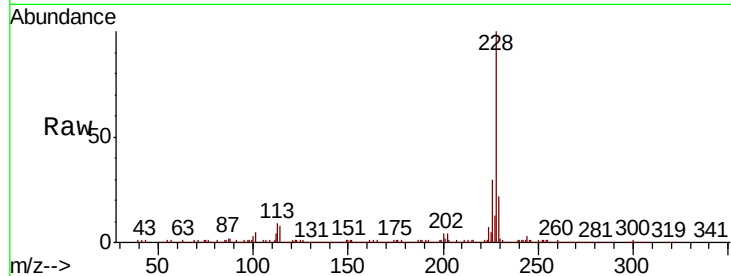
ClientSampleId :

INDIAN-ISLAND-(5)

Tot Ion:	228	Resp:	257950
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.6	37.0
229	21.8	16.2	24.2

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#86

Indeno(1,2,3-cd)pyrene

Concen: 2.670 ng

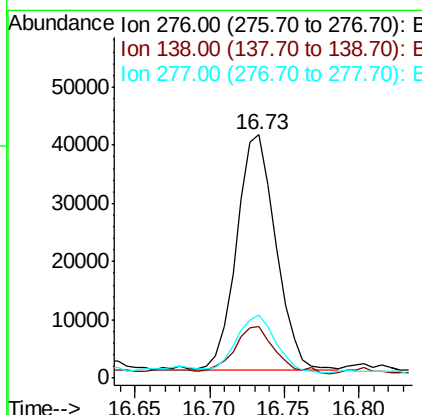
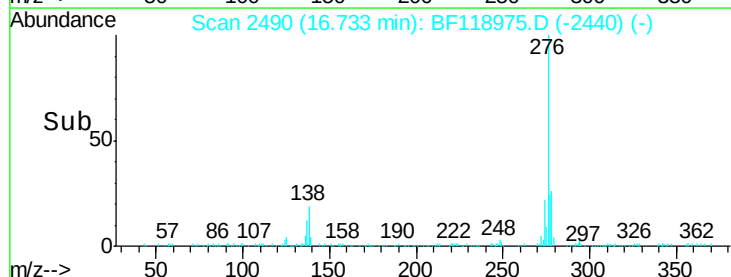
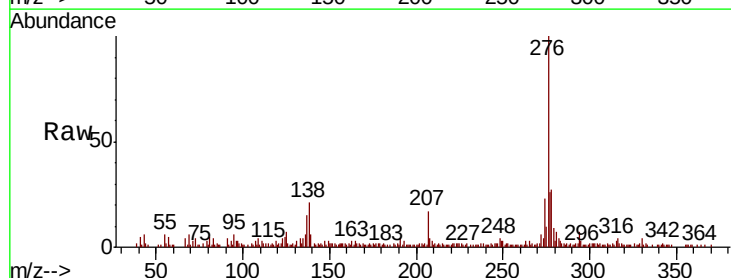
RT: 16.73 min Scan# 2490

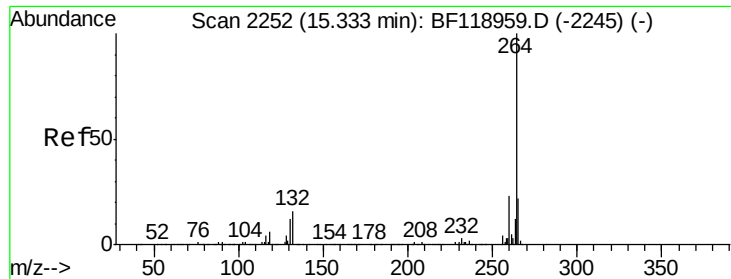
Delta R.T. -0.01 min

Lab File: BF118975.D

Acq: 20 Feb 2020 23:10

Tgt Ion:	276	Resp:	74042
Ion Ratio	Lower	Upper	
276	100		
138	21.4	18.7	28.1
277	24.7	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.00 min

Lab File: BF118975.D

Acq: 20 Feb 2020 23:10

Instrument :

BNA_F

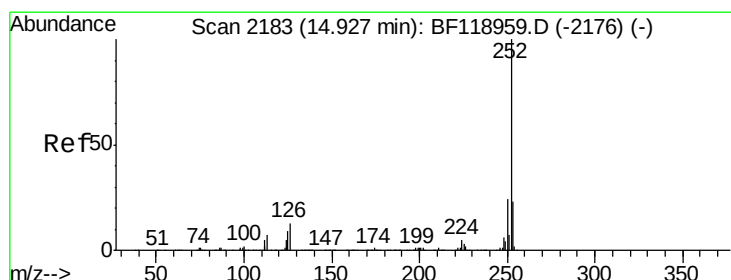
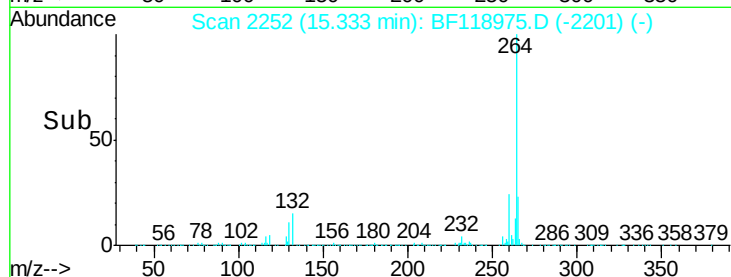
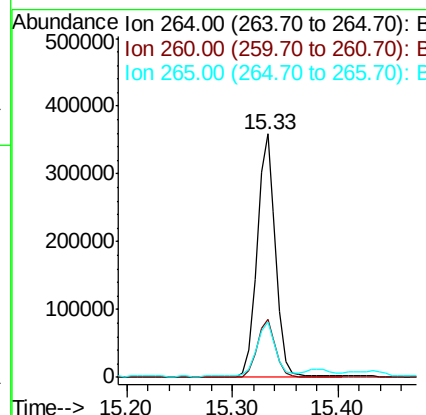
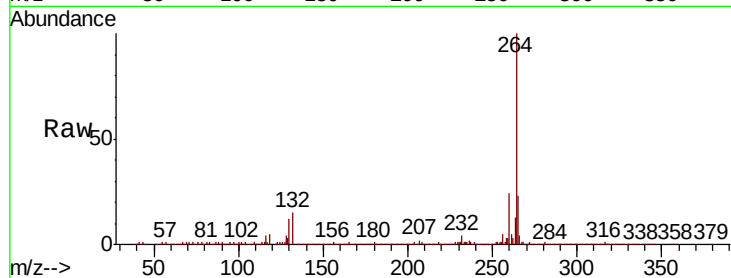
ClientSampleId :

INDIAN-ISLAND-(5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	28.0
265	23.0	17.3	25.9

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#88

Benzo(b)fluoranthene

Concen: 5.879 ng m

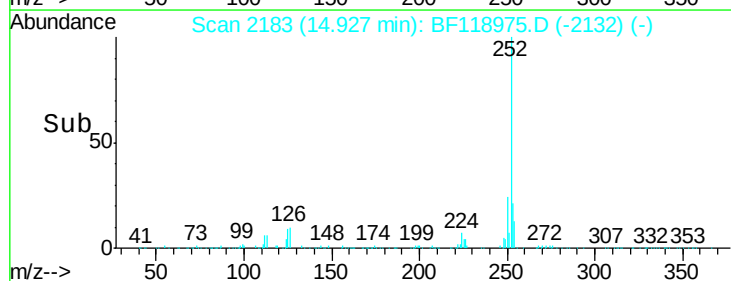
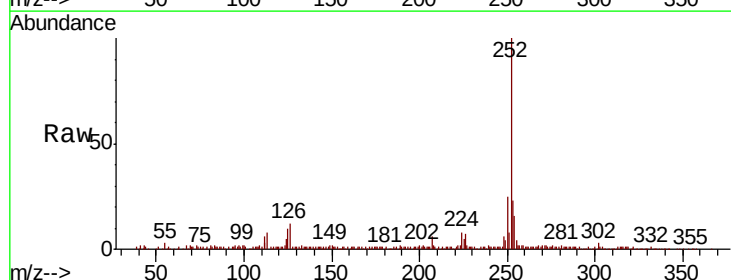
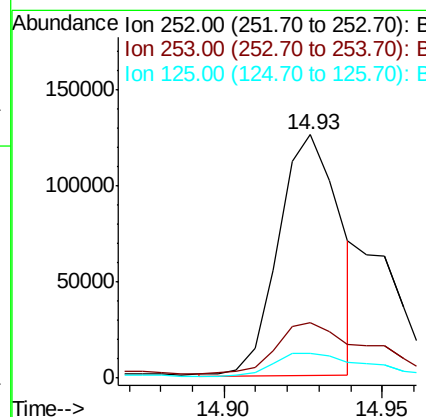
RT: 14.93 min Scan# 2183

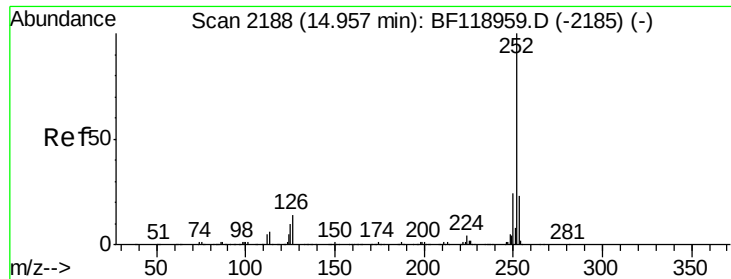
Delta R.T. 0.00 min

Lab File: BF118975.D

Acq: 20 Feb 2020 23:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	10.1	7.4	11.0





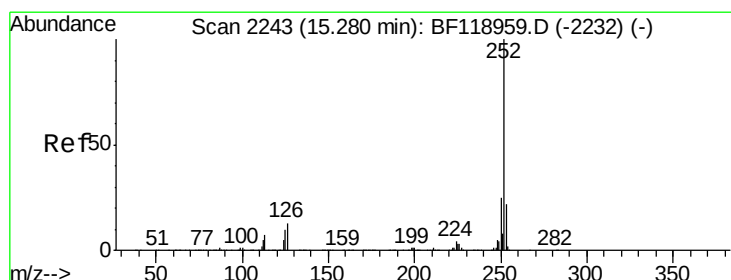
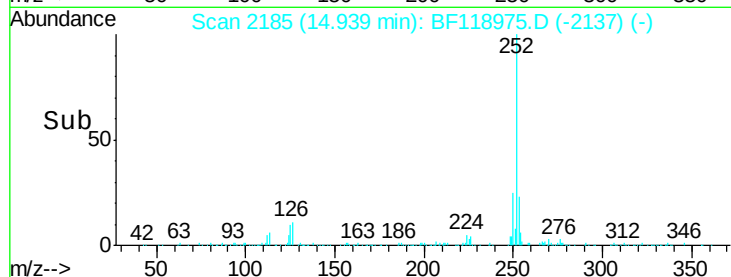
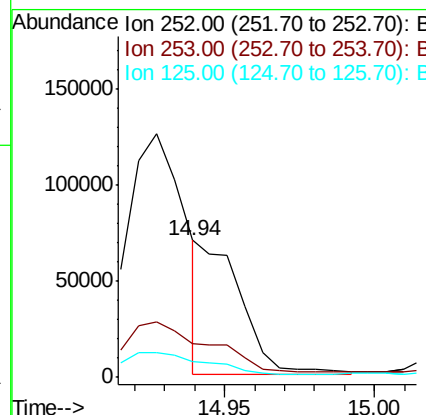
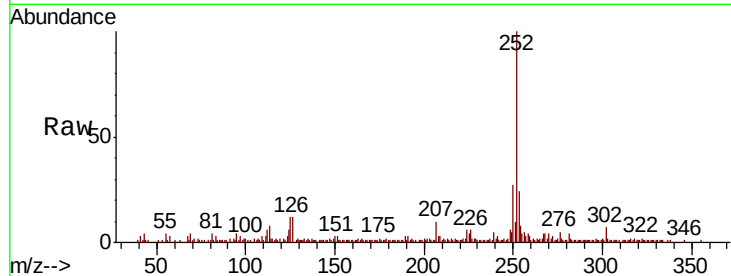
#89
Benzo(k)fluoranthene
Concen: 2.368 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.02 min
Lab File: BF118975.D
Acq: 20 Feb 2020 23:10

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	11.7	7.3	10.9

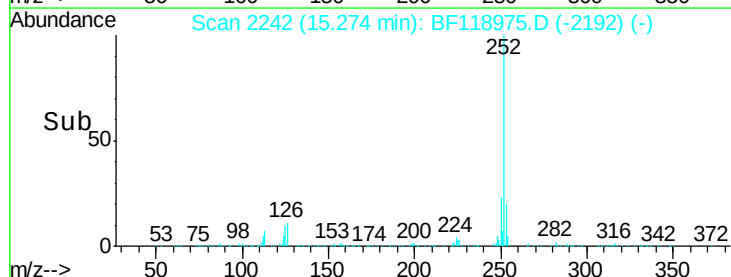
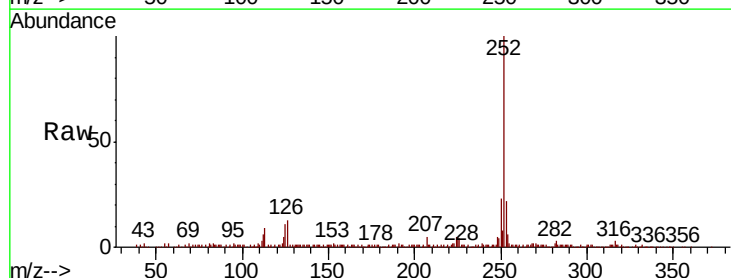
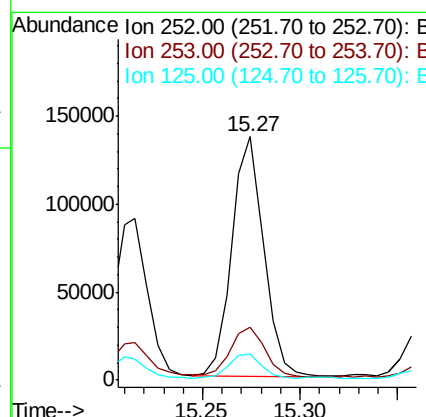
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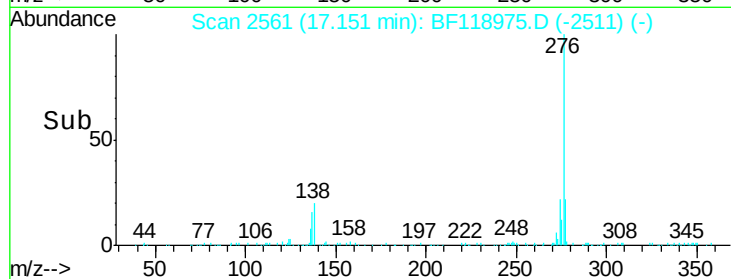
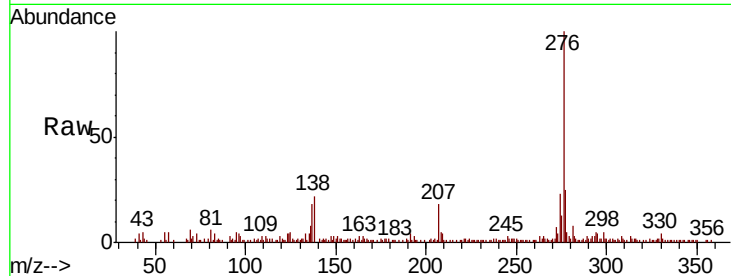
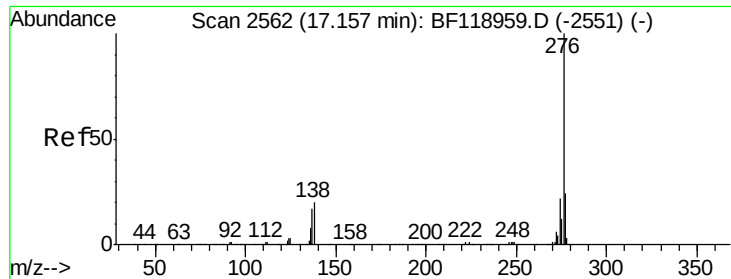
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#90
Benzo(a)pyrene
Concen: 5.928 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF118975.D
Acq: 20 Feb 2020 23:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	10.6	7.8	11.6





#92
 Benzo(a,h,i)perylene
 Concen: 3.580 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. -0.01 min
 Lab File: BF118975.D
 Acq: 20 Feb 2020 23:10

Instrument :
 BNA_F
 ClientSampleId :
 INDIAN-ISLAND-(5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.2	28.8
138	21.7	16.2	24.4

Manual Integrations
 APPROVED

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