

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
 Data File : BF118974.D
 Acq On : 20 Feb 2020 22:42
 Operator : CG/JU
 Sample : L1546-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 INDIAN-ISLAND-(2)

Manual Integrations
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Quant Time: Feb 21 03:02:52 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	199072	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	720176	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	356984	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	546910	20.00	ng	0.00
76) Chrysene-d12	13.91	240	401431	20.00	ng	0.00
87) Perylene-d12	15.34	264	440479	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1235049	103.68	ng	0.00
7) Phenol-d6	6.40	99	1488645	102.76	ng	0.00
23) Nitrobenzene-d5	7.32	82	967104	70.90	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	419400	89.81	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	1722890	71.10	ng	0.00
79) Terphenyl-d14	12.86	244	1460650	62.64	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.75	142	51224	2.038	ng	99
38) 1-Methylnaphthalene	8.85	142	70947	3.001	ng	98
49) Acenaphthylene	9.65	152	358942	10.689	ng	99
50) Dimethylphthalate	9.50	163	86156	3.156	ng	99
58) Fluorene	10.33	166	121676	5.181	ng	# 98
71) Phenanthrene	11.30	178	1171821	39.289	ng	100
72) Anthracene	11.35	178	298575	10.019	ng	99
75) Fluoranthene	12.49	202	1018277	32.164	ng	99
78) Pyrene	12.72	202	1587171	49.238	ng	100
81) Benzo(a)anthracene	13.90	228	725001m	26.506	ng	
83) Chrysene	13.94	228	758595	27.834	ng	97
86) Indeno(1,2,3-cd)pyrene	16.74	276	262045	9.930	ng	95
88) Benzo(b)fluoranthene	14.93	252	576725m	19.864	ng	
89) Benzo(k)fluoranthene	14.94	252	208854m	7.762	ng	
90) Benzo(a)pyrene	15.28	252	560365	21.385	ng	99
91) Dibenzo(a,h)anthracene	16.74	278	85388	3.703	ng	# 88
92) Benzo(a,h,i)perylene	17.16	276	267674	11.750	ng	100

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

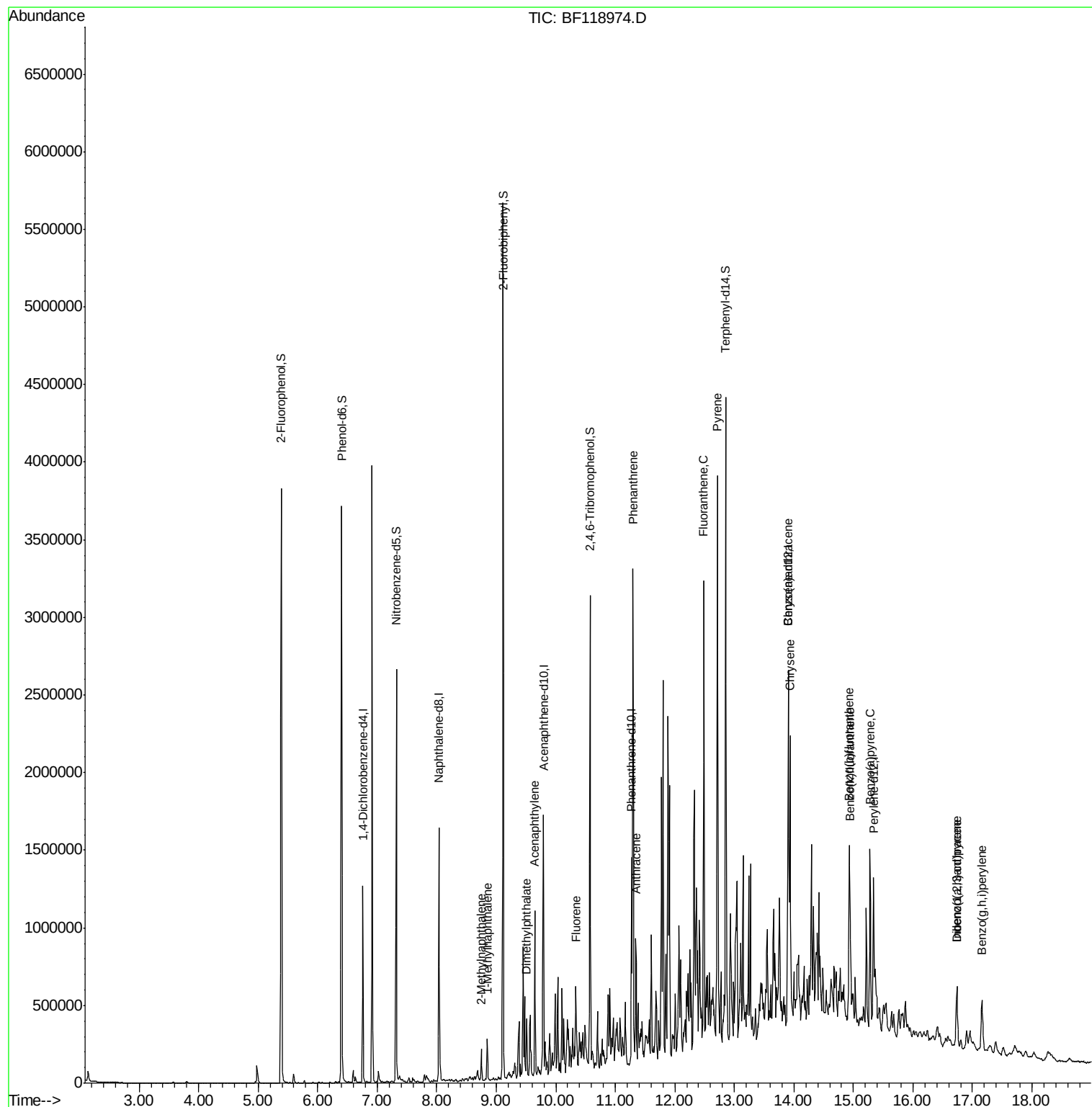
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
Data File : BF118974.D
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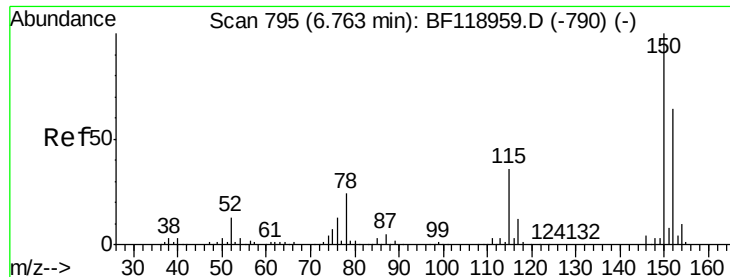
Instrument :
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Quant Time: Feb 21 03:02:52 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

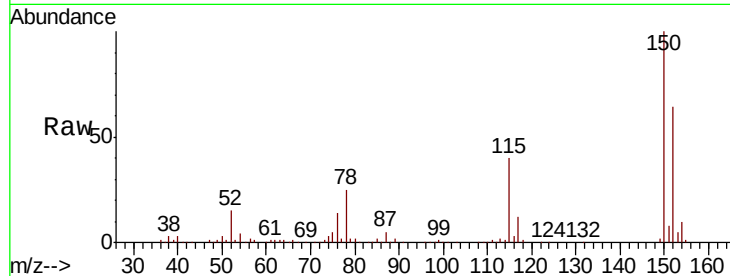
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF118974.D
Acq: 20 Feb 2020 22:42

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.3	186.5
115	62.8	44.6	67.0

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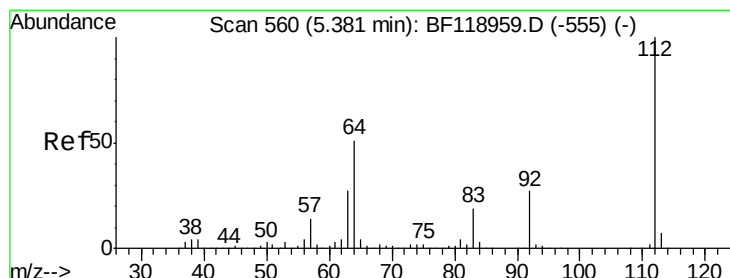
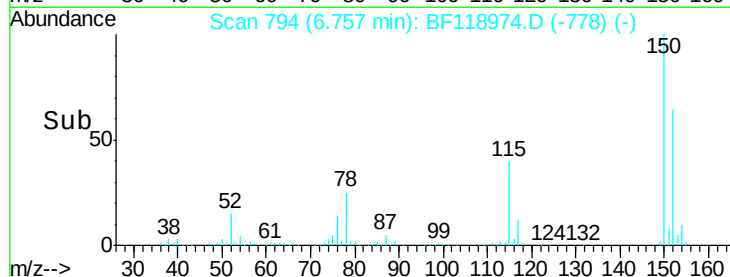
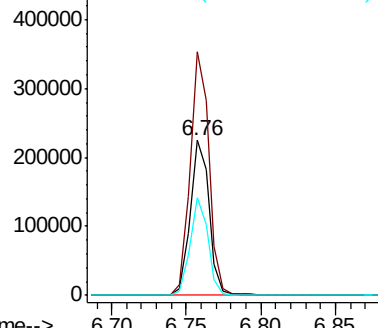


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

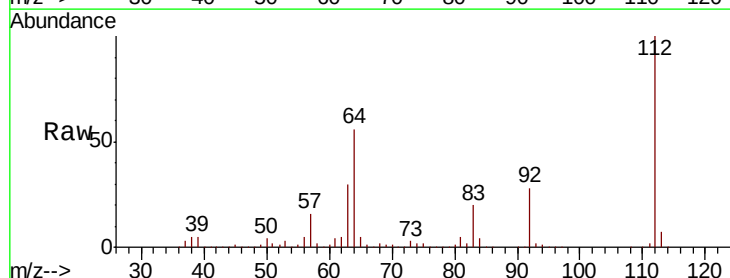
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 103.680 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF118974.D
Acq: 20 Feb 2020 22:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	40.4	60.6
63	29.5	21.3	31.9

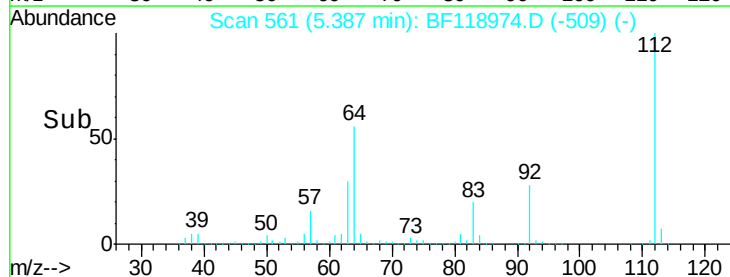
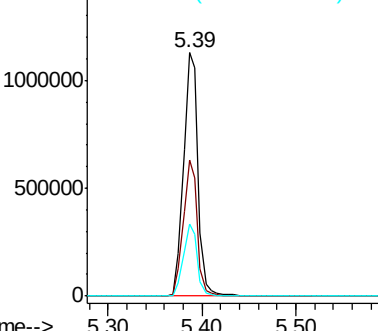


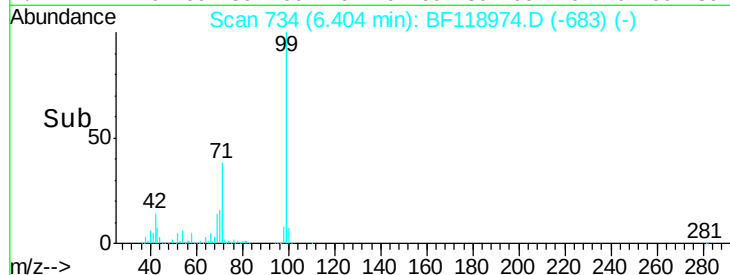
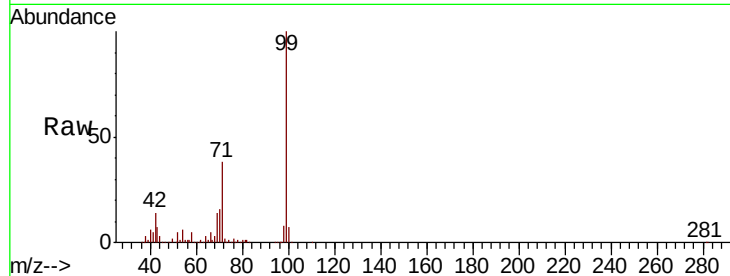
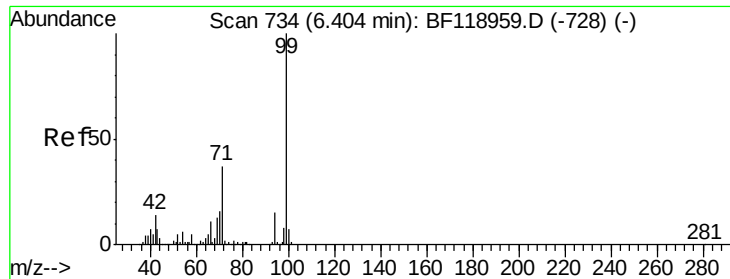
Abundance

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: 102.755 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF118974.D

Acq: 20 Feb 2020 22:42

Tot Ion: 99 Resp: 1488645

Ion Ratio Lower Upper

99 100

42 14.4 11.4 17.0

71 38.1 29.8 44.6

Instrument :

BNA_F

ClientSampleId :

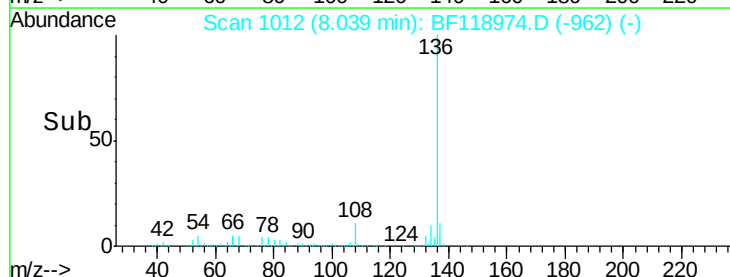
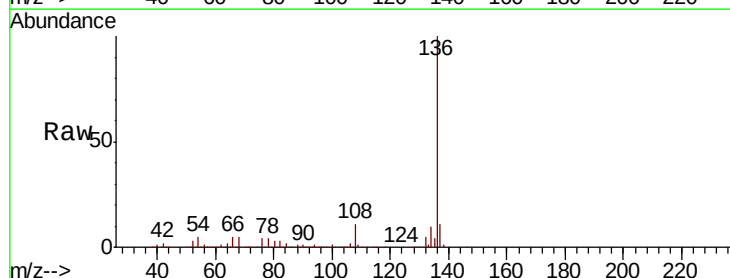
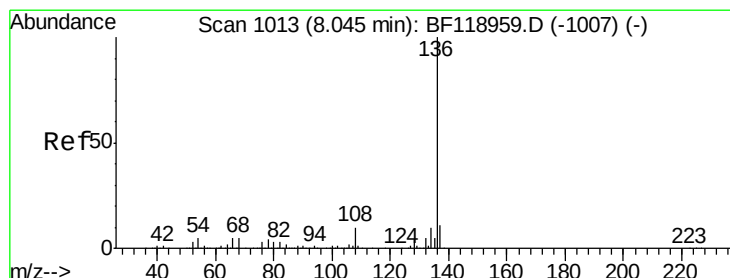
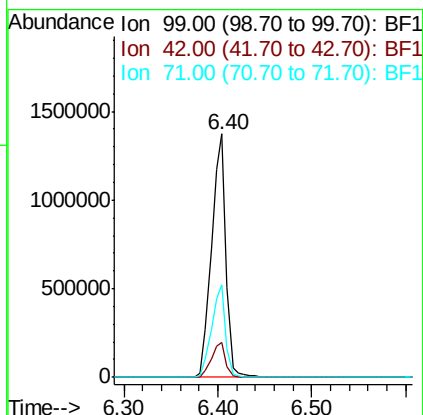
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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF118974.D

Acq: 20 Feb 2020 22:42

Tgt Ion: 136 Resp: 720176

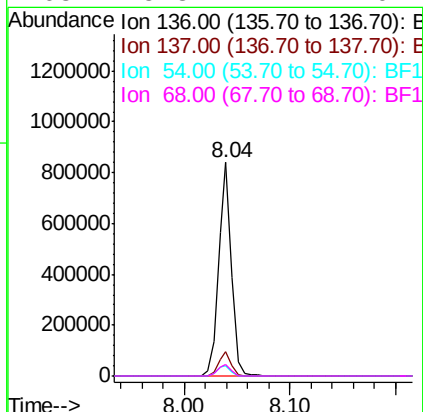
Ion Ratio Lower Upper

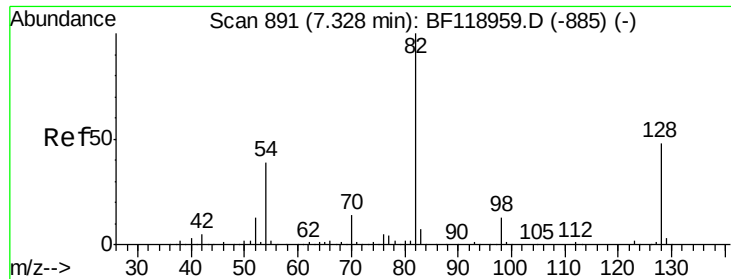
136 100

137 11.3 8.9 13.3

54 5.0 3.8 5.6

68 5.3 4.2 6.2





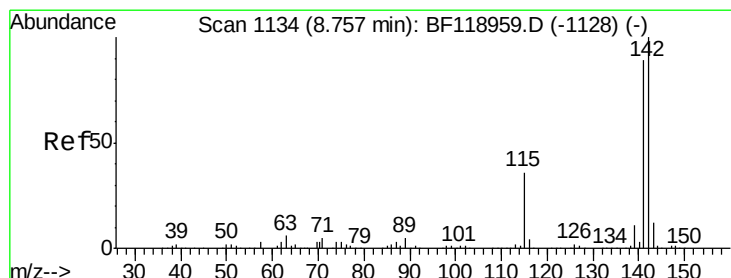
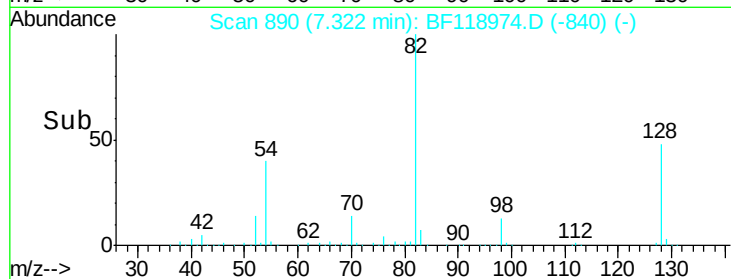
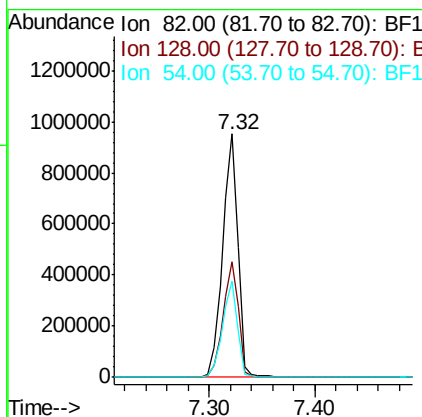
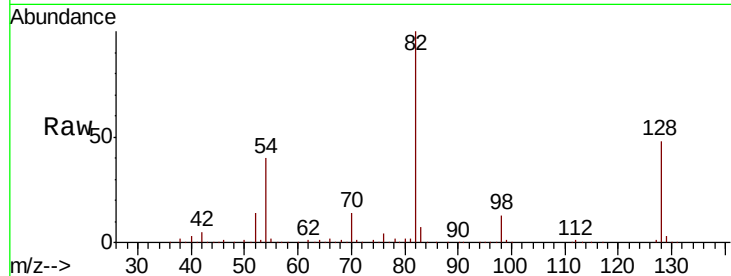
#23
Nitrobenzene-d5
Concen: 70.904 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF118974.D
Acq: 20 Feb 2020 22:42

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	38.2	57.2
54	39.8	31.3	46.9

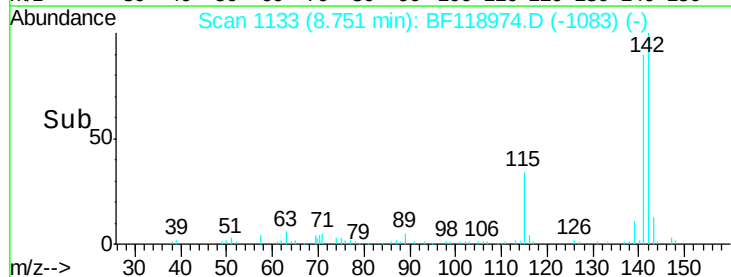
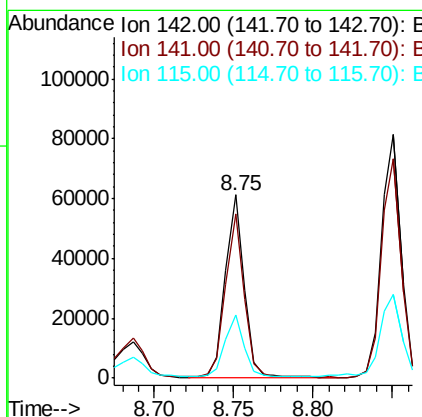
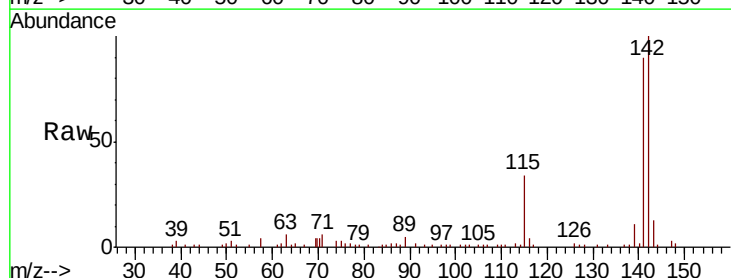
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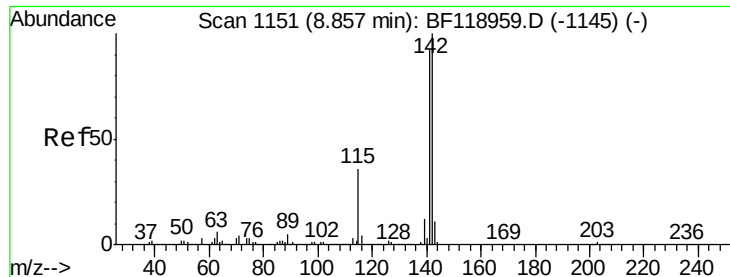
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#37
2-Methylnaphthalene
Concen: 2.038 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF118974.D
Acq: 20 Feb 2020 22:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.0	106.4
115	34.5	28.6	42.8





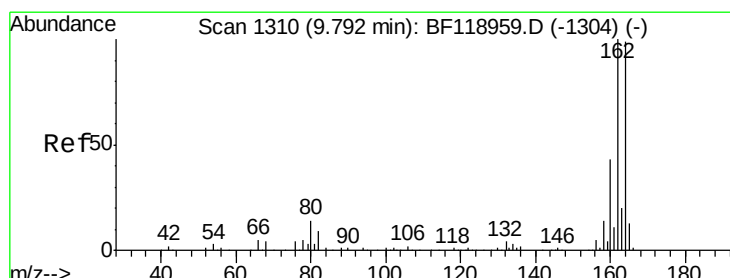
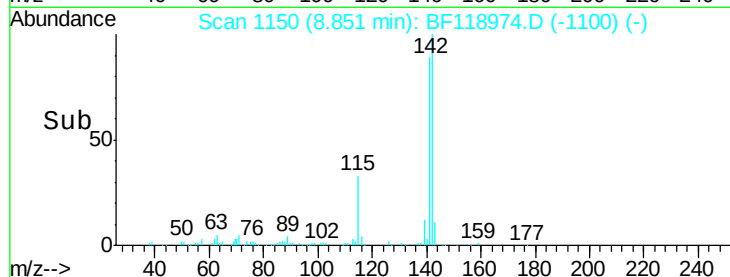
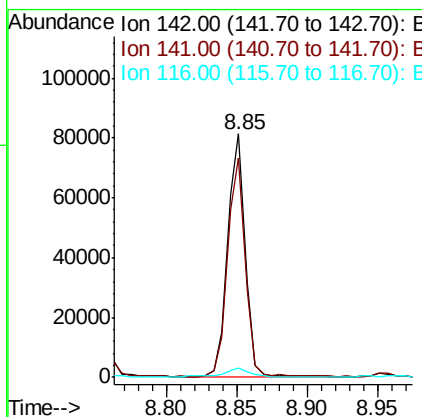
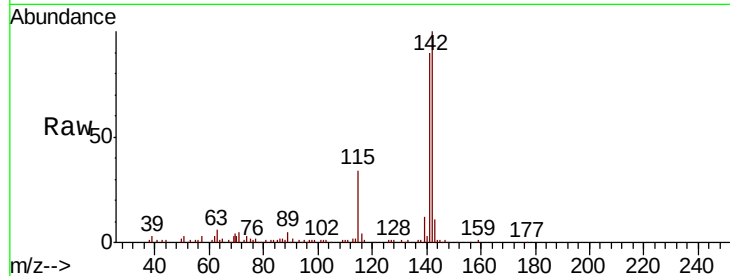
#38
1-Methylnaphthalene
Concen: 3.001 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF118974.D
Acq: 20 Feb 2020 22:42

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(2)

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.7	110.5
116	4.1	3.0	4.6

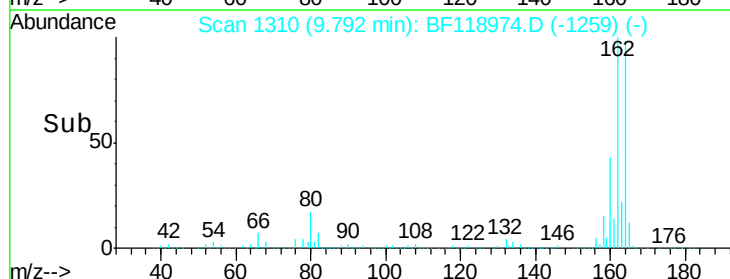
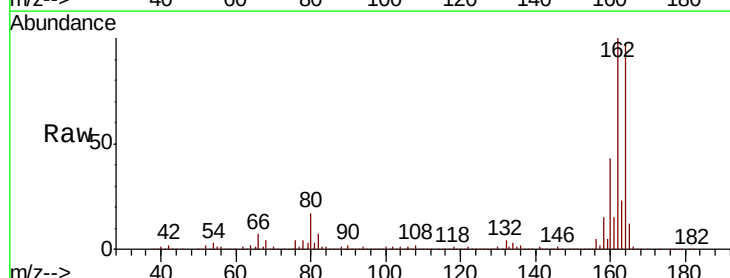
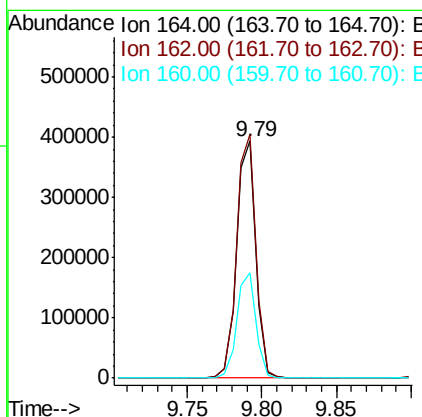
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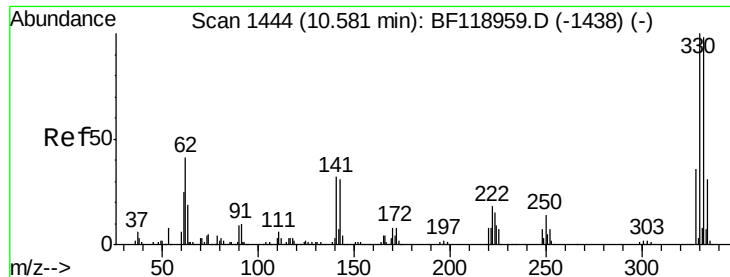
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BF118974.D
Acq: 20 Feb 2020 22:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.2	121.8
160	44.5	35.2	52.8





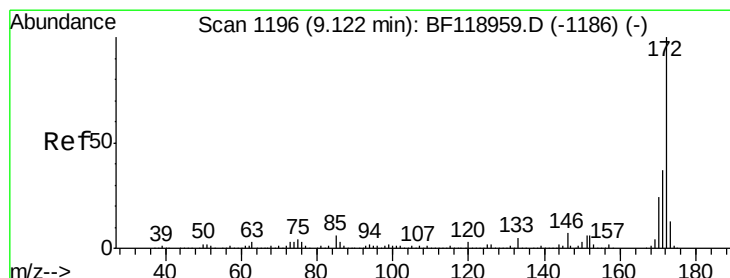
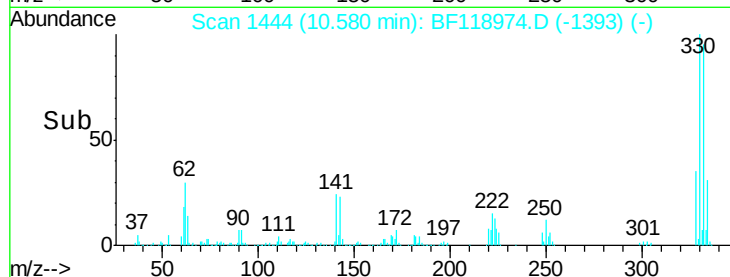
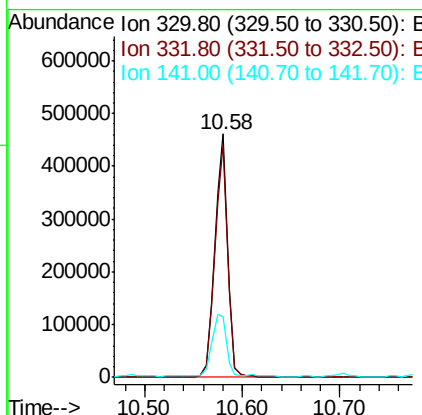
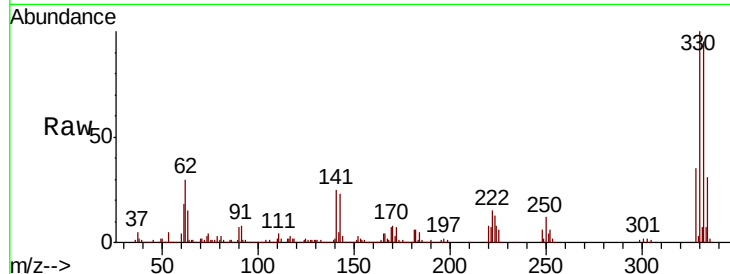
#42
 2,4,6-Tribromophenol
 Concen: 89.808 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BF118974.D
 Acq: 20 Feb 2020 22:42

Instrument :
 BNA_F
 ClientSampleId :
 INDIAN-ISLAND-(2)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	419400		
332	96.1	77.1	115.7	
141	29.7	23.0	34.6	

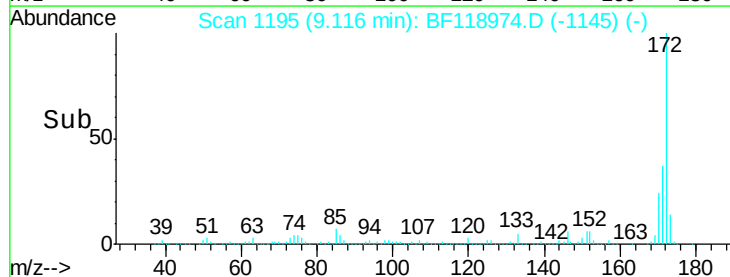
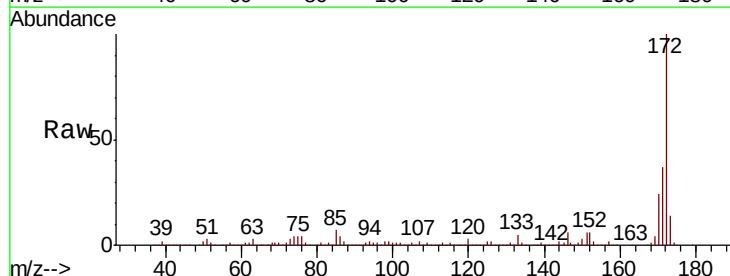
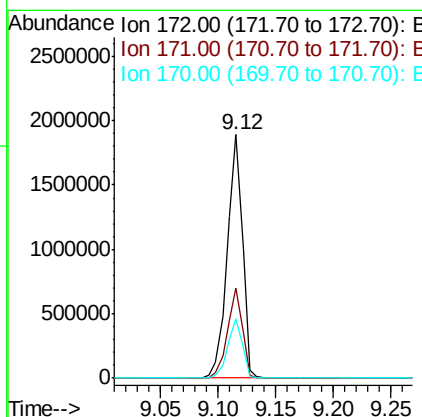
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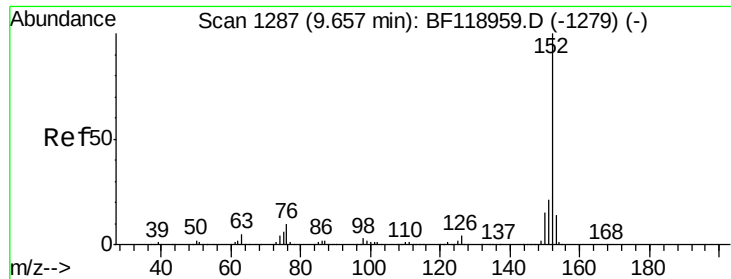
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#45
 2-Fluorobiphenyl
 Concen: 71.099 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF118974.D
 Acq: 20 Feb 2020 22:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1722890		
171	37.1	29.4	44.2	
170	24.4	19.6	29.4	





#49

Acenaphthylene

Concen: 10.689 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BF118974.D

Acq: 20 Feb 2020 22:42

Instrument :

BNA_F

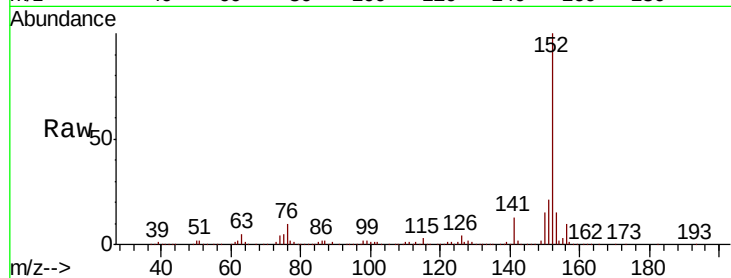
ClientSampleId :

INDIAN-ISLAND-(2)

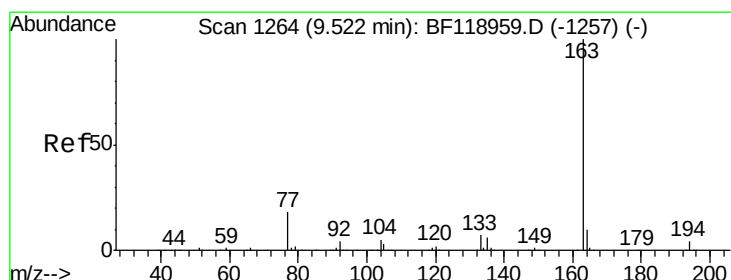
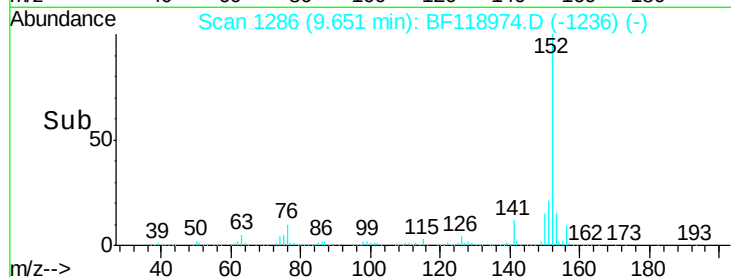
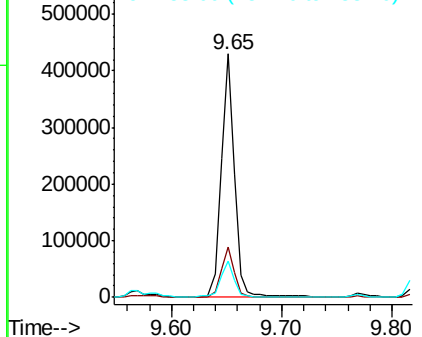
Tot Ion:	152	Resp:	358942
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.7	25.1
153	14.7	10.9	16.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 3.156 ng

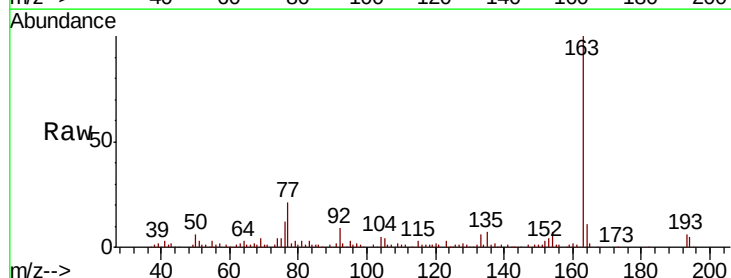
RT: 9.50 min Scan# 1261

Delta R.T. -0.02 min

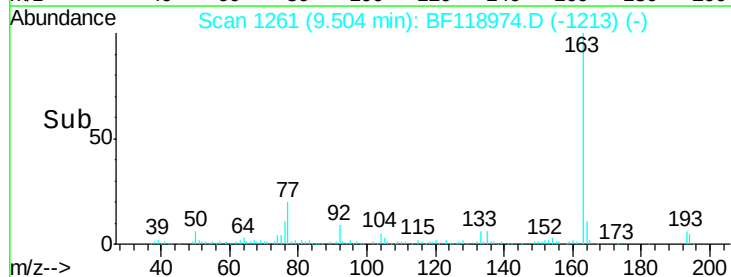
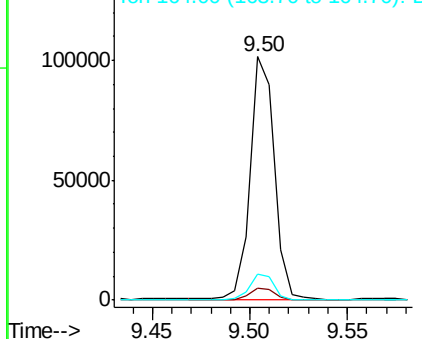
Lab File: BF118974.D

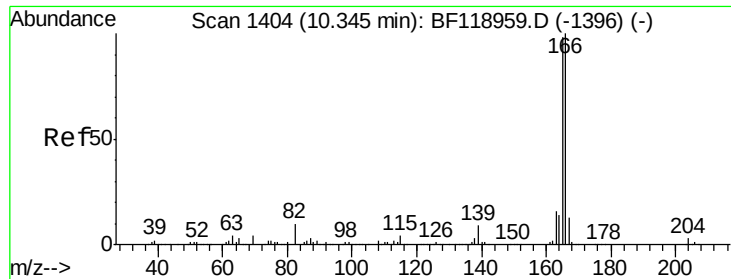
Acq: 20 Feb 2020 22:42

Tgt Ion:	163	Resp:	86156
Ion Ratio	Lower	Upper	
163	100		
194	4.9	3.4	5.2
164	10.7	8.2	12.2



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





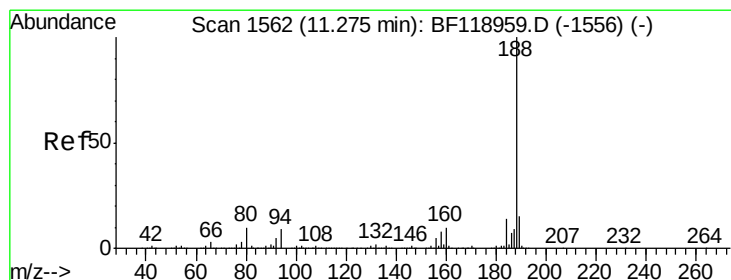
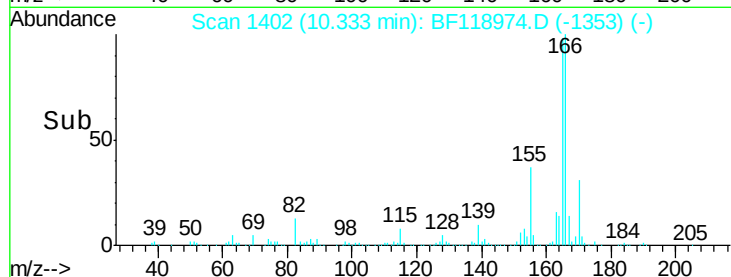
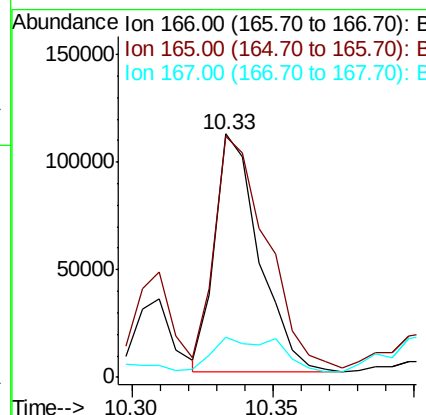
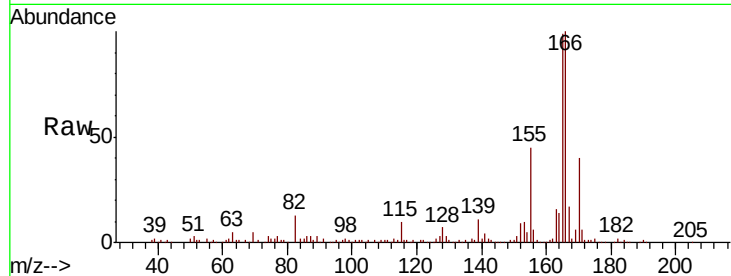
#58
 Fluorene
 Concen: 5.181 ng
 RT: 10.33 min Scan# 1402
 Delta R.T. -0.01 min
 Lab File: BF118974.D
 Acq: 20 Feb 2020 22:42

Instrument :
 BNA_F
 ClientSampleId :
 INDIAN-ISLAND-(2)

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.2	117.4
167	16.6	10.6	16.0#

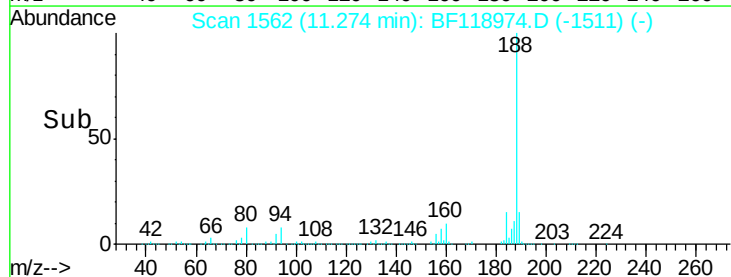
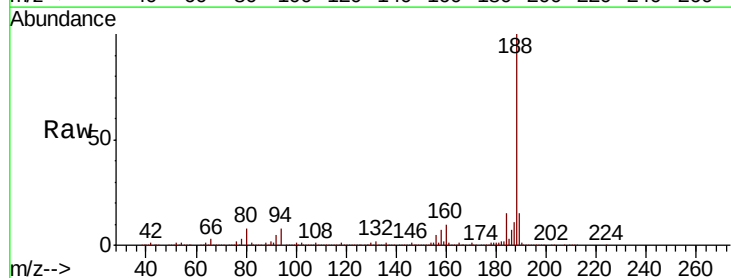
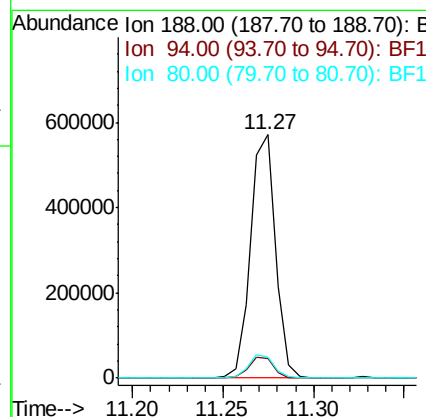
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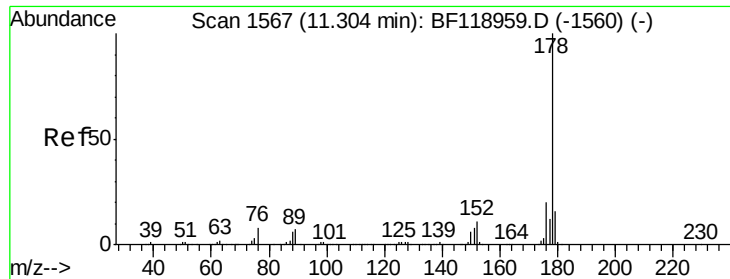
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF118974.D
 Acq: 20 Feb 2020 22:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.0	10.6
80	8.4	7.9	11.9





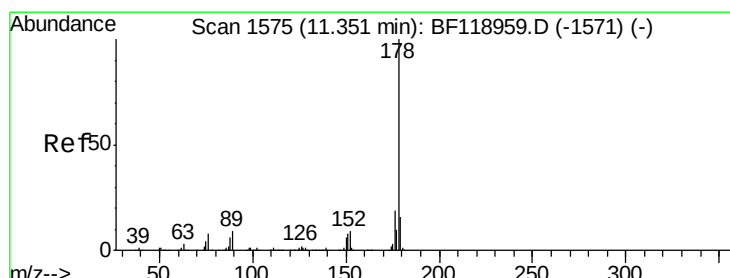
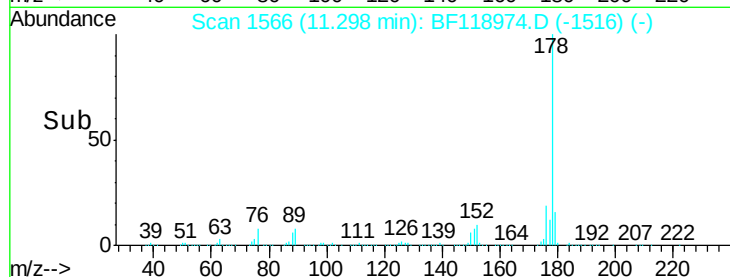
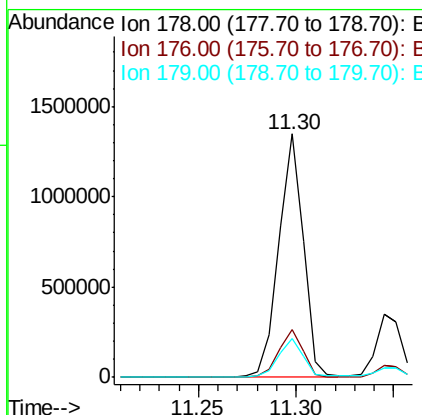
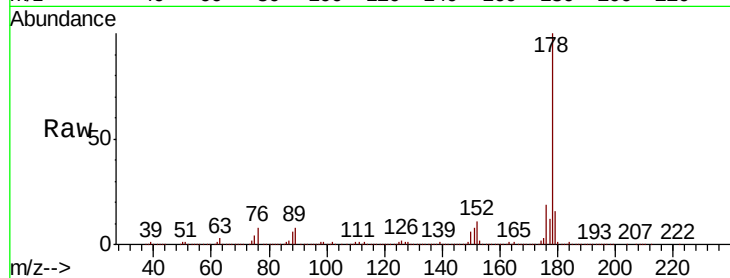
#71
Phenanthrene
Concen: 39.289 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF118974.D
Acq: 20 Feb 2020 22:42

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	16.0	12.6	18.8

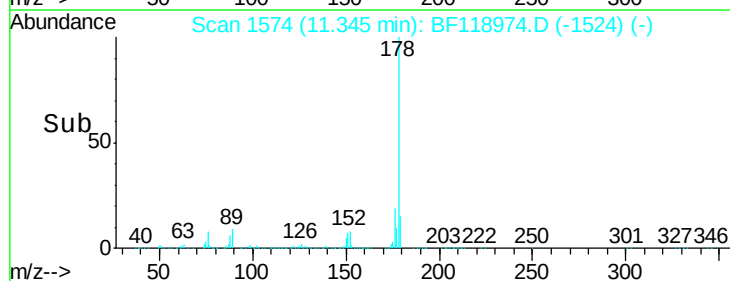
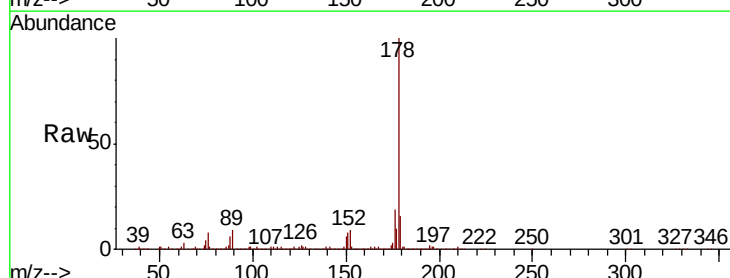
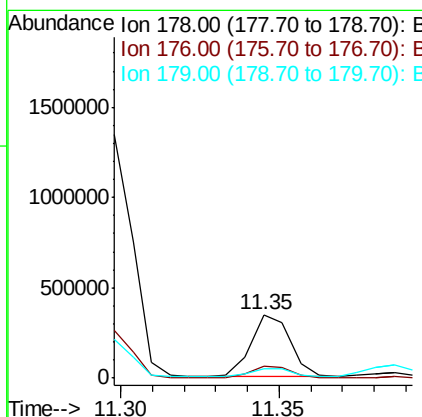
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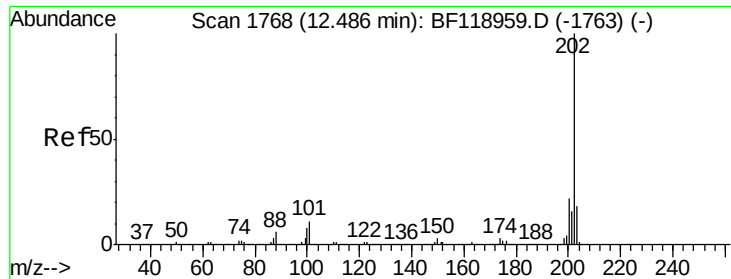
mohammad
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#72
Anthracene
Concen: 10.019 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF118974.D
Acq: 20 Feb 2020 22:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.7	12.8	19.2





#75

Fluoranthene

Concen: 32.164 ng

RT: 12.49 min Scan# 1768

Delta R.T. -0.00 min

Lab File: BF118974.D

Acq: 20 Feb 2020 22:42

Instrument :

BNA_F

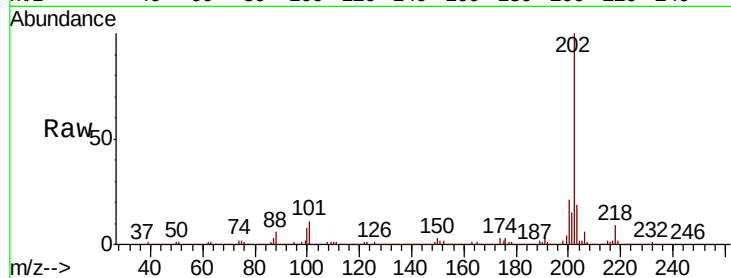
ClientSampleId :

INDIAN-ISLAND-(2)

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.1
203	18.9	0.0	38.1

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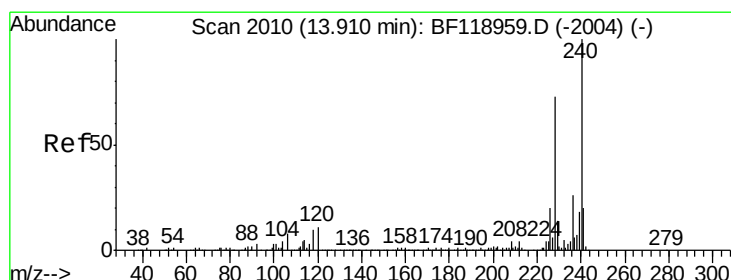
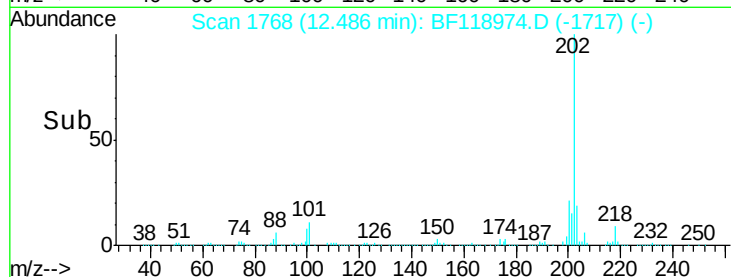
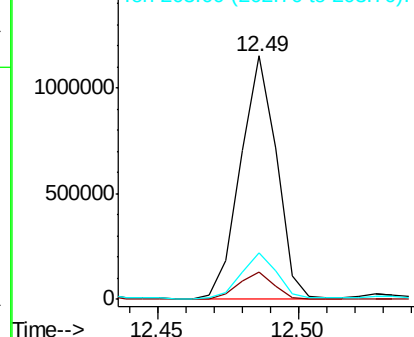


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

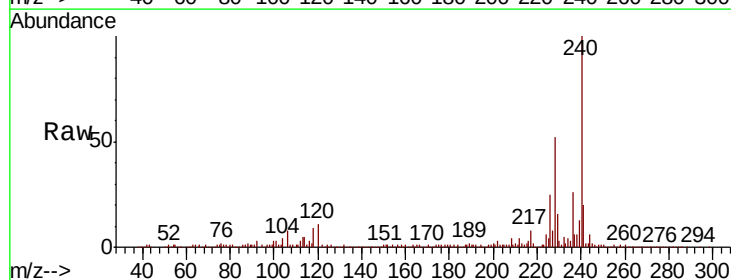
RT: 13.91 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BF118974.D

Acq: 20 Feb 2020 22:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.9	13.3
236	26.4	20.6	30.8

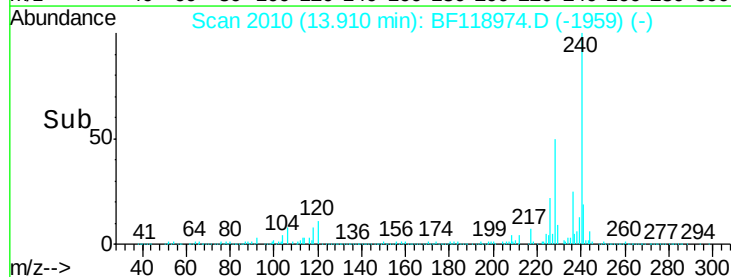
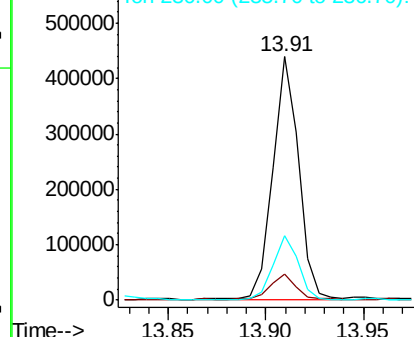


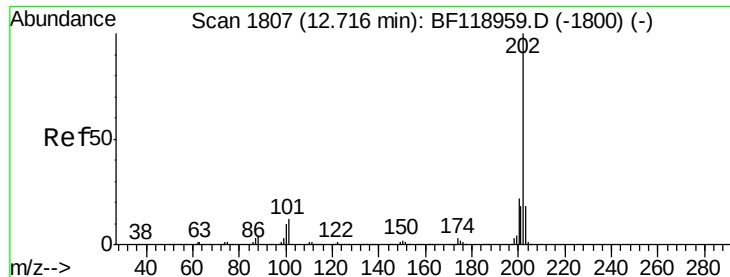
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 49.238 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF118974.D

Acq: 20 Feb 2020 22:42

Instrument :

BNA_F

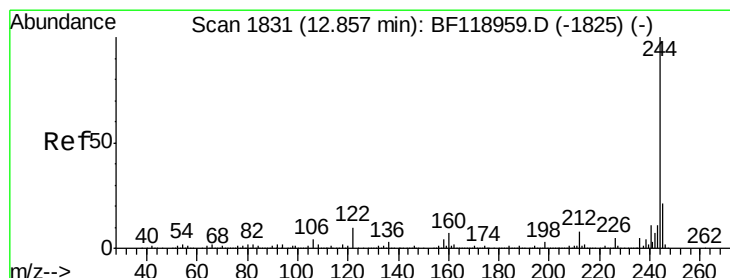
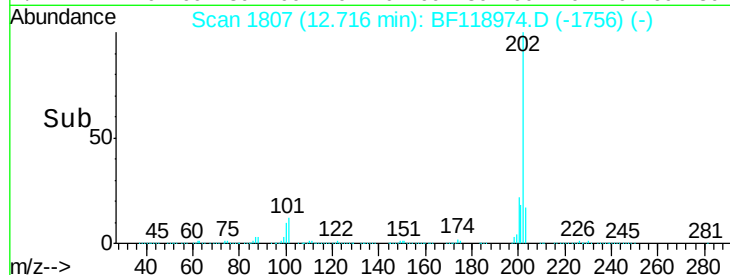
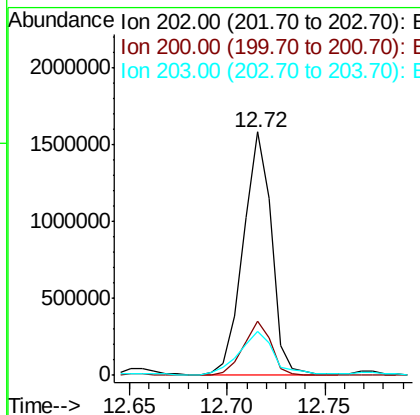
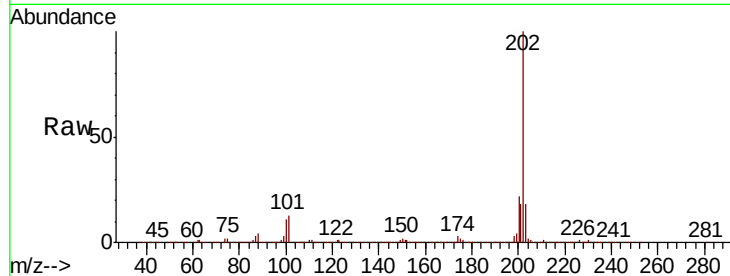
ClientSampleId :

INDIAN-ISLAND-(2)

Tot Ion:	202	Resp:	1587171
Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.0
203	18.2	14.5	21.7

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#79

Terphenyl-d14

Concen: 62.645 ng

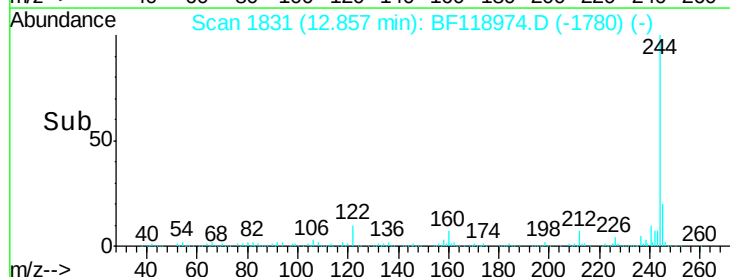
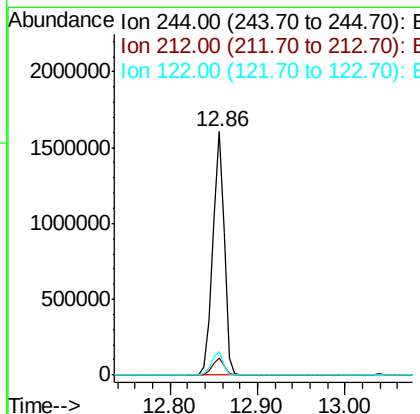
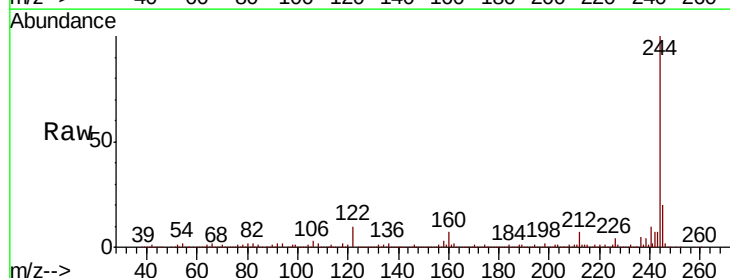
RT: 12.86 min Scan# 1831

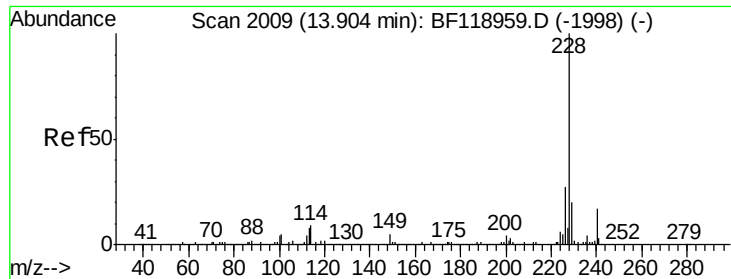
Delta R.T. -0.00 min

Lab File: BF118974.D

Acq: 20 Feb 2020 22:42

Tgt Ion:	244	Resp:	1460650
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.3	9.5
122	9.7	8.4	12.6





#81

Benzo(a)anthracene

Concen: 26.506 ng m

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF118974.D

Acq: 20 Feb 2020 22:42

Instrument :

BNA_F

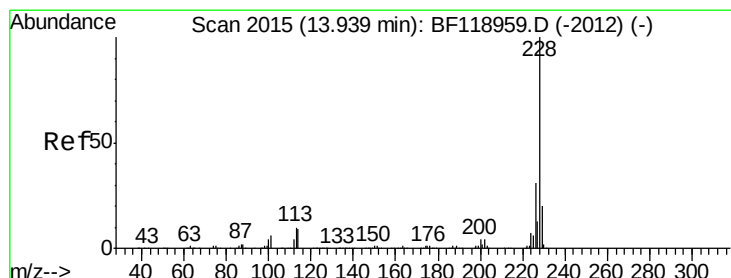
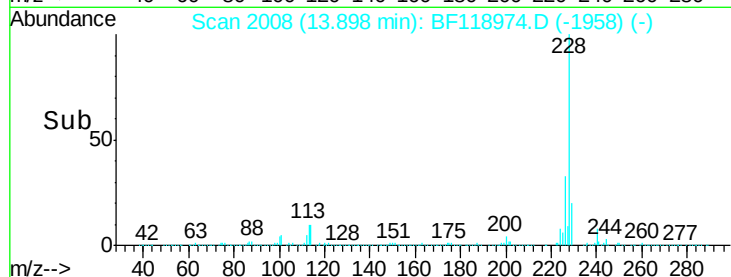
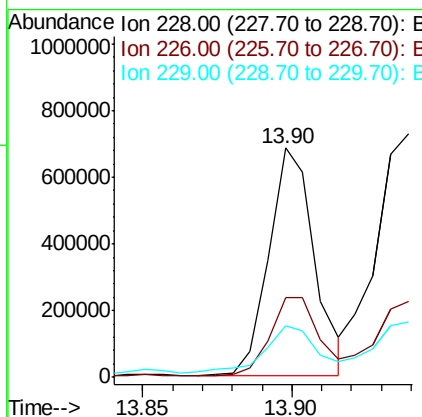
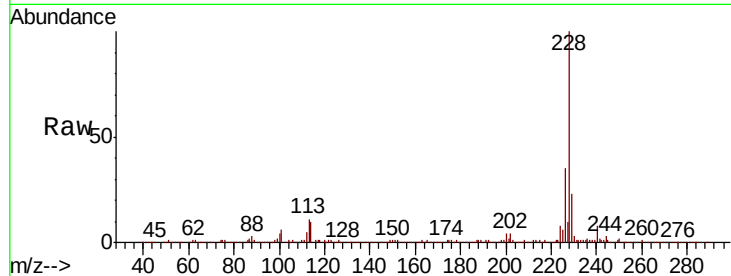
ClientSampleId :

INDIAN-ISLAND-(2)

Tot Ion:228	Resp:	725001
Ion Ratio	Lower	Upper
228	100	
226	34.5	21.8 32.8#
229	22.6	16.0 24.0

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#83

Chrysene

Concen: 27.834 ng

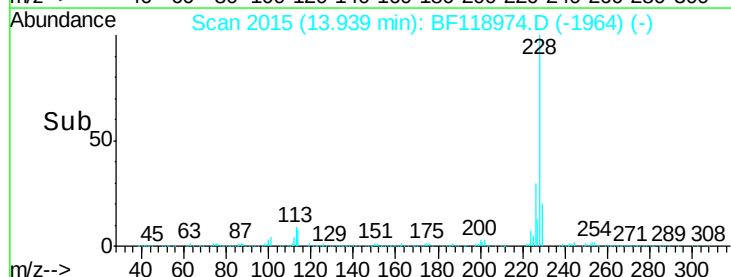
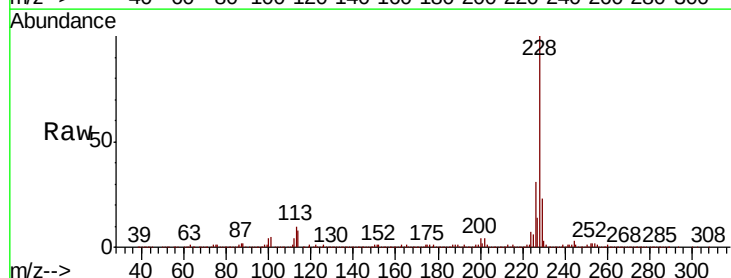
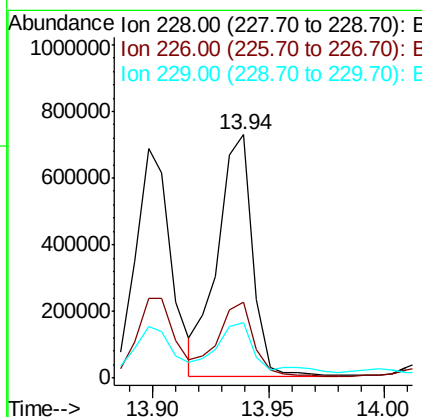
RT: 13.94 min Scan# 2015

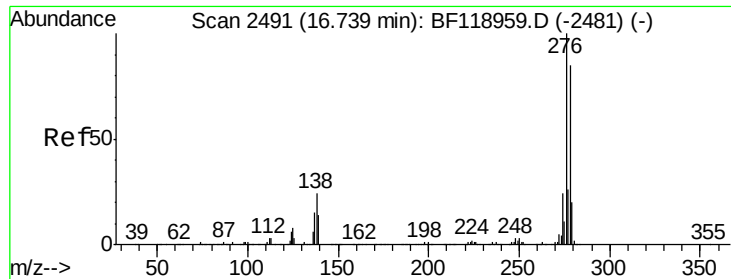
Delta R.T. -0.00 min

Lab File: BF118974.D

Acq: 20 Feb 2020 22:42

Tgt Ion:228	Resp:	758595
Ion Ratio	Lower	Upper
228	100	
226	31.4	24.6 37.0
229	22.6	16.2 24.2





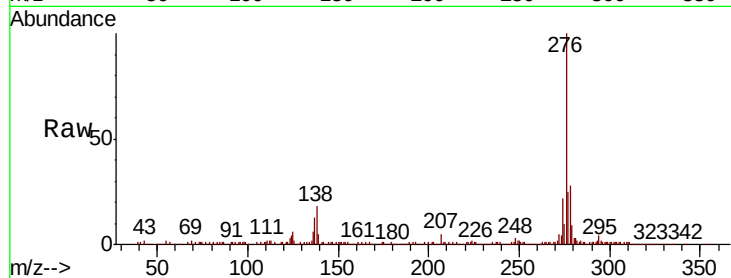
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.930 ng
RT: 16.74 min Scan# 2491
Delta R.T. -0.00 min
Lab File: BF118974.D
Acq: 20 Feb 2020 22:42

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(2)

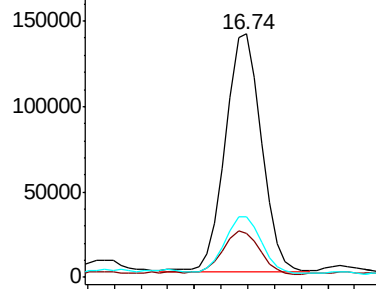
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.3	18.7	28.1
277	24.8	20.3	30.5

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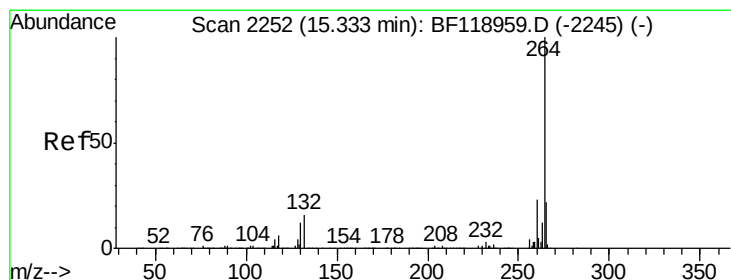
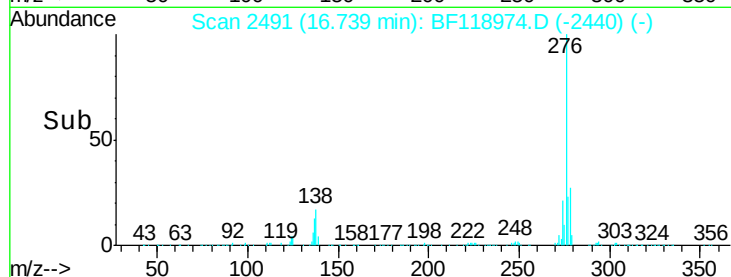
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



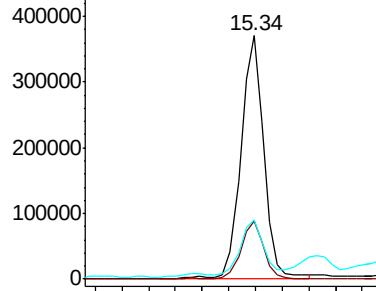
Time-->



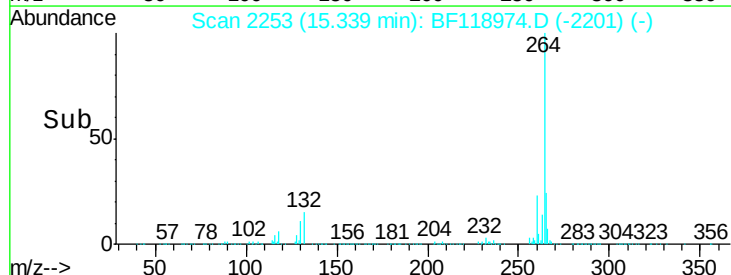
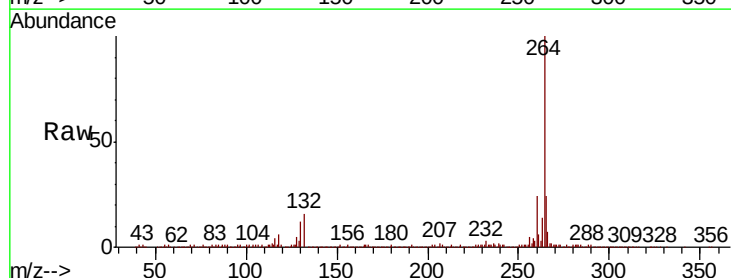
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.01 min
Lab File: BF118974.D
Acq: 20 Feb 2020 22:42

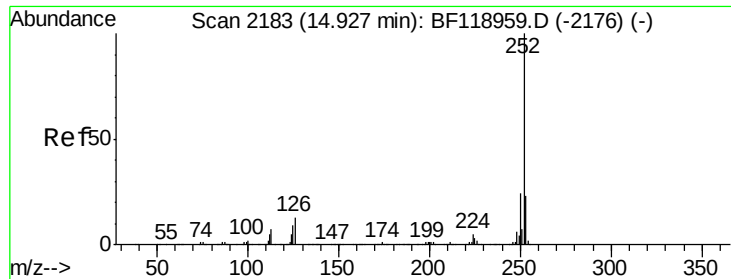
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	24.3	17.3	25.9

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



Time-->





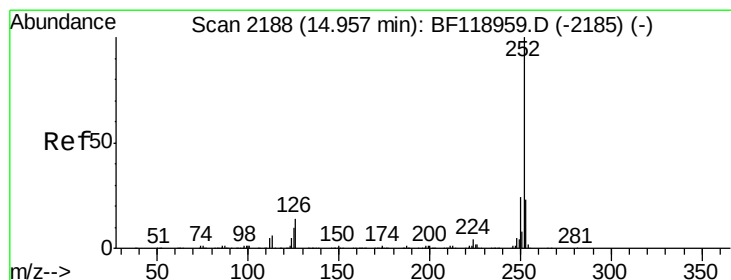
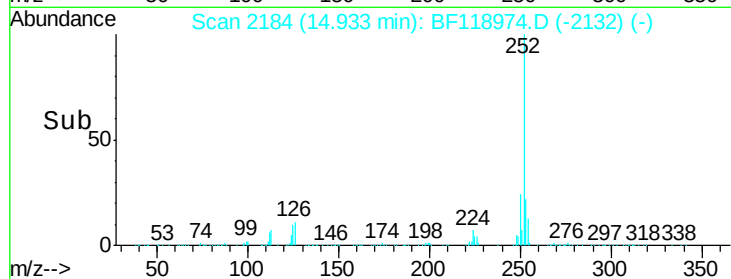
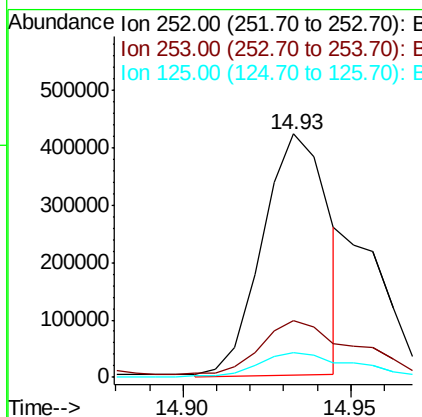
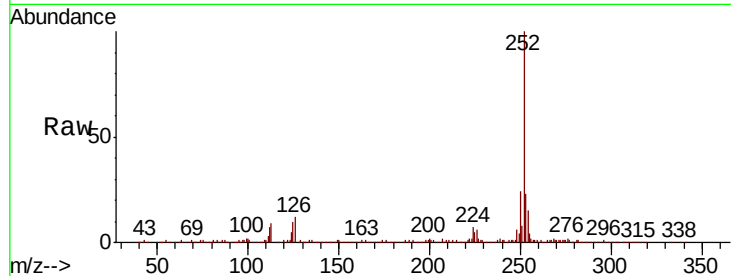
#88
Benzo(b)fluoranthene
Concen: 19.864 ng m
RT: 14.93 min Scan# 2184
Delta R.T. 0.01 min
Lab File: BF118974.D
Acq: 20 Feb 2020 22:42

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	10.4	7.4	11.0

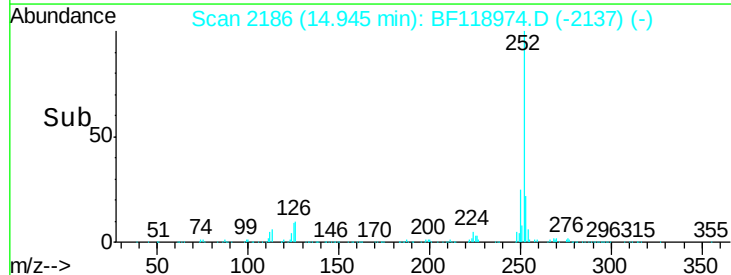
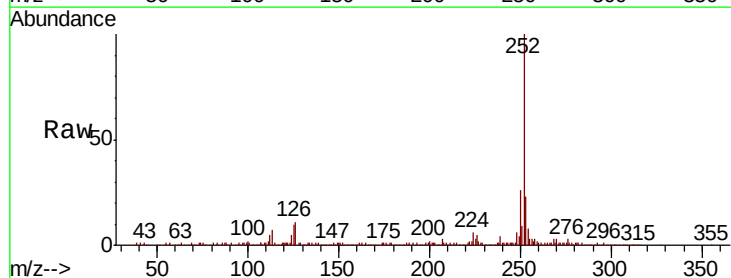
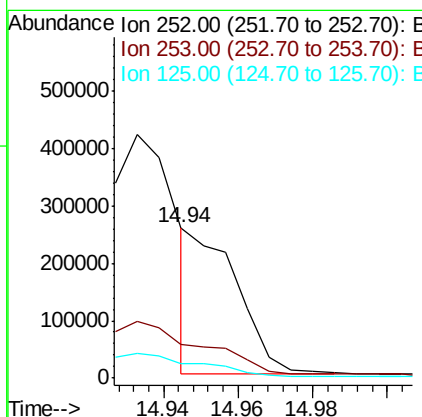
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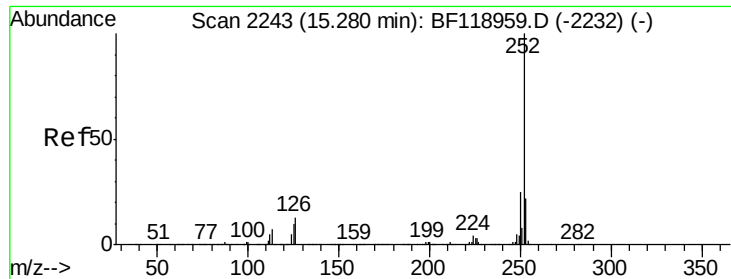
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#89
Benzo(k)fluoranthene
Concen: 7.762 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF118974.D
Acq: 20 Feb 2020 22:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	10.1	7.3	10.9





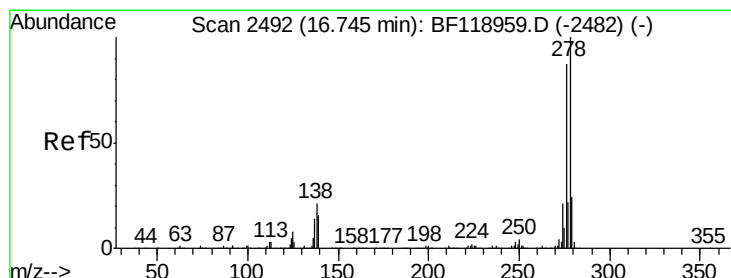
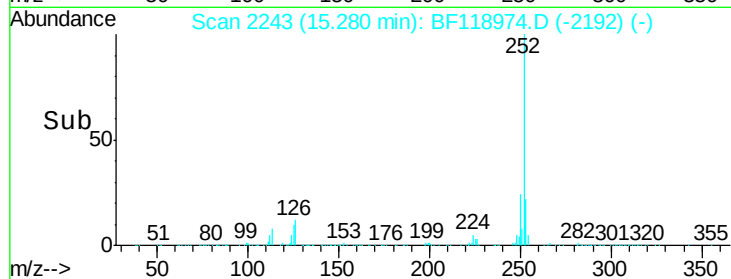
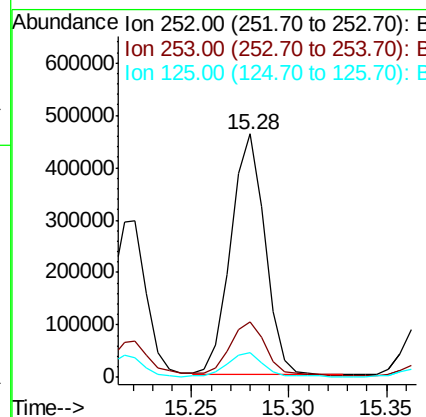
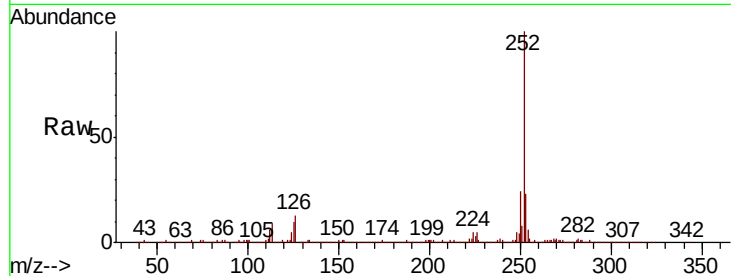
#90
Benzo(a)pyrene
Concen: 21.385 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BF118974.D
Acq: 20 Feb 2020 22:42

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	10.0	7.8	11.6

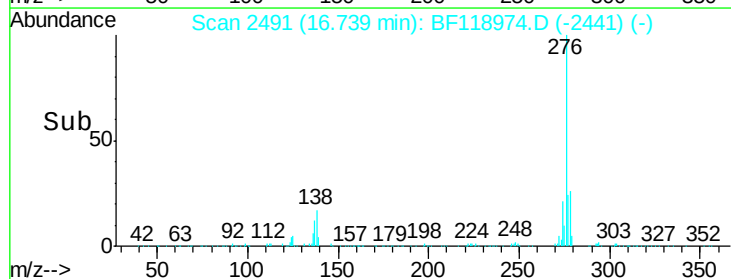
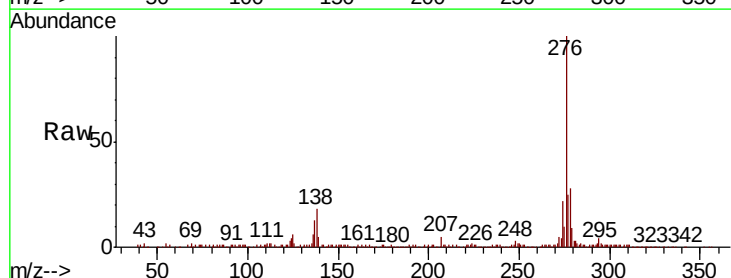
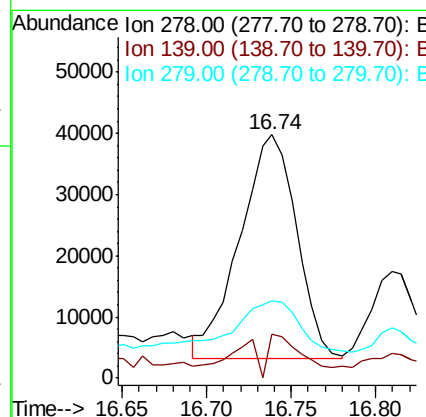
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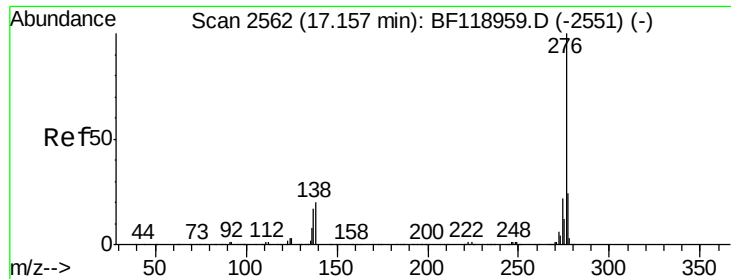
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#91
Dibenzo(a,h)anthracene
Concen: 3.703 ng
RT: 16.74 min Scan# 2491
Delta R.T. -0.01 min
Lab File: BF118974.D
Acq: 20 Feb 2020 22:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	12.6	18.8
279	31.7	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 11.750 ng
 RT: 17.16 min Scan# 2562
 Delta R.T. -0.00 min
 Lab File: BF118974.D
 Acq: 20 Feb 2020 22:42

Instrument :
 BNA_F
 ClientSampleId :
 INDIAN-ISLAND-(2)

Tot Ion:	276	Resp:	267674
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.2	28.8
138	20.0	16.2	24.4

Manual Integrations
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