

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
 Data File : BF118970.D
 Acq On : 20 Feb 2020 20:44
 Operator : CG/JU
 Sample : L1546-15
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 INDIAN-ISLAND-(8)

Manual Integrations
 APPROVED

mohammad
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Quant Time: Feb 21 02:47:08 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	213832	20.00	ng	0.00
21) Naphthalene-d8	8.04	136	798592	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	424450	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	703869	20.00	ng	0.00
76) Chrysene-d12	13.90	240	443996	20.00	ng	0.00
87) Perylene-d12	15.33	264	477314	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1340955	104.80	ng	0.01
7) Phenol-d6	6.40	99	1673031	107.51	ng	0.00
23) Nitrobenzene-d5	7.32	82	1123108	74.26	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	548001	98.69	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	2085460	72.38	ng	0.00
79) Terphenyl-d14	12.86	244	1915181	74.26	ng	0.00
Target Compounds						
9) Benzaldehyde	6.31	77	26597	2.558	ng	96
32) Benzoic acid	7.77	122	2474m	6.951	ng	
38) 1-Methylnaphthalene	8.85	142	53768	2.051	ng	100
50) Dimethylphthalate	9.50	163	107803	3.321	ng	99
58) Fluorene	10.33	166	64169	2.298	ng	98
71) Phenanthrene	11.30	178	649196	16.912	ng	99
72) Anthracene	11.34	178	81269	2.119	ng	97
75) Fluoranthene	12.48	202	310794	7.628	ng	98
78) Pyrene	12.71	202	476578	13.367	ng	99
81) Benzo(a)anthracene	13.89	228	160429	5.303	ng	98
83) Chrysene	13.93	228	175038	5.807	ng	99
88) Benzo(b)fluoranthene	14.93	252	111080m	3.531	ng	
90) Benzo(a)pyrene	15.27	252	102339	3.604	ng	99
92) Benzo(a,h,i)perylene	17.15	276	61165	2.478	ng	97

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

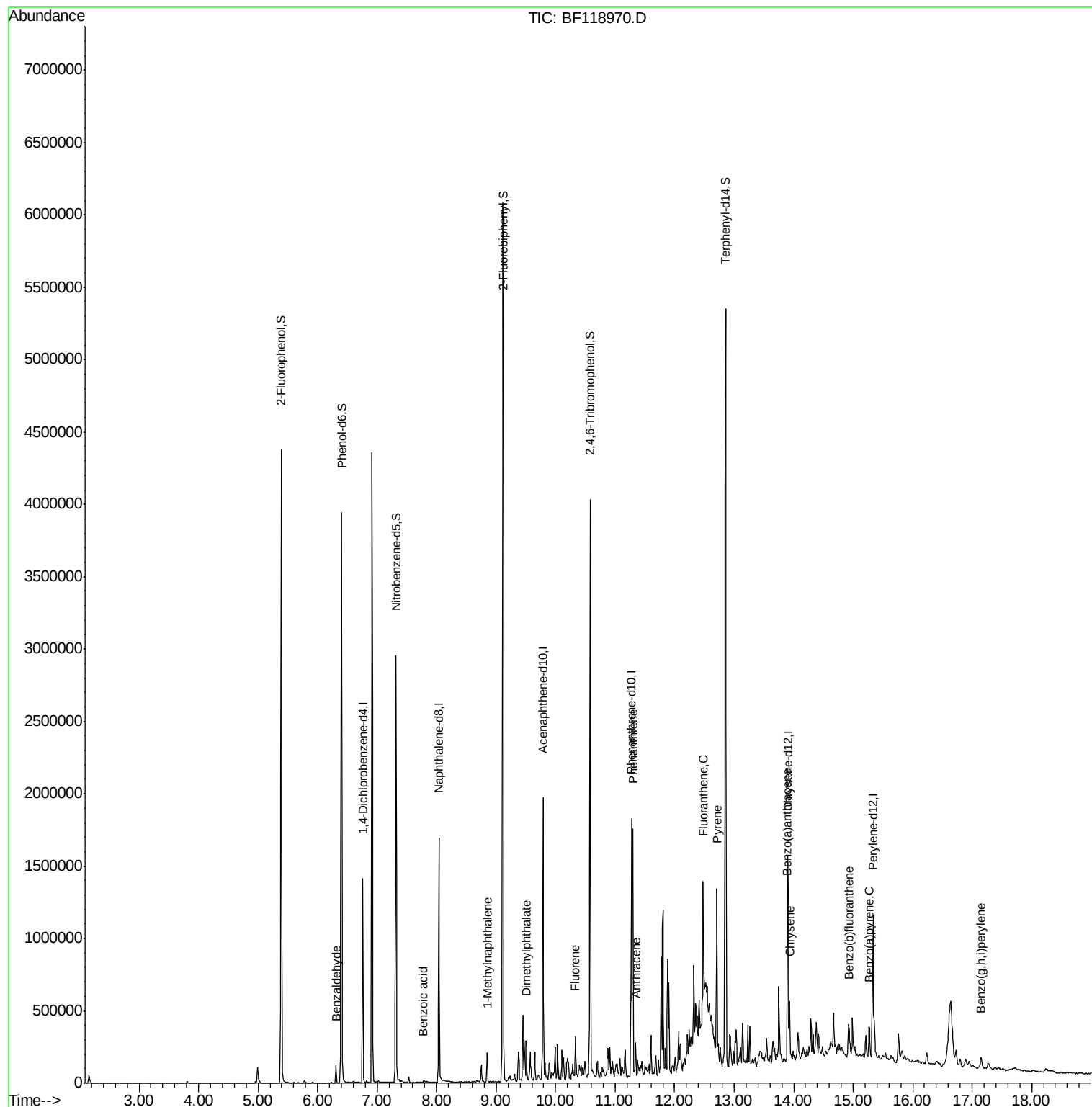
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022020\
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#1

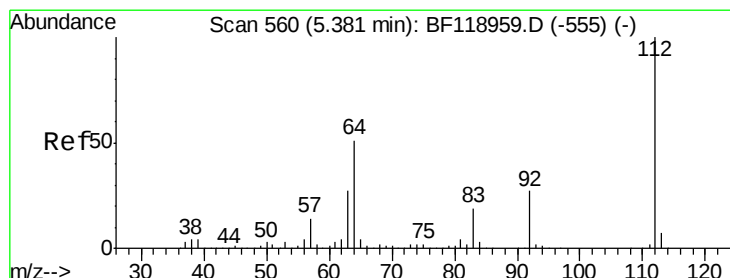
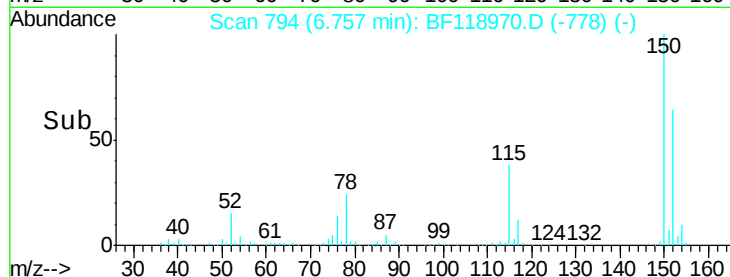
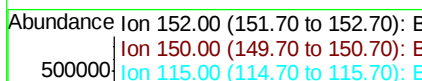
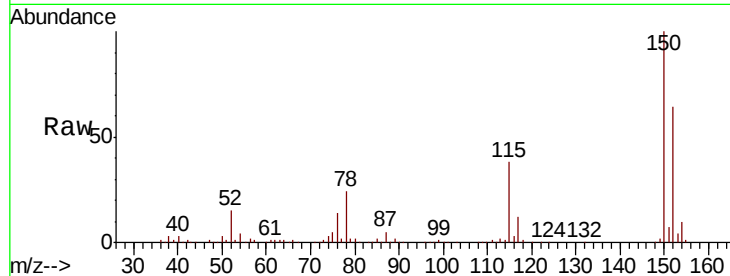
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF118970.D
Acq: 20 Feb 2020 20:44

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.3	186.5
115	58.9	44.6	67.0

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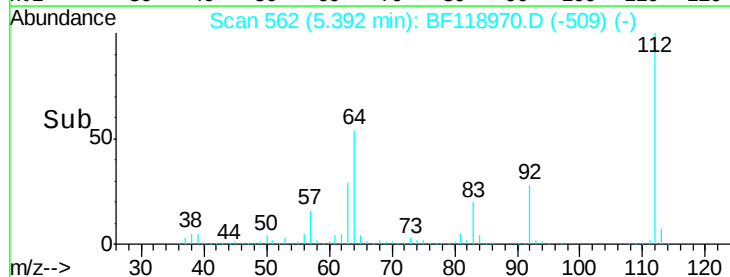
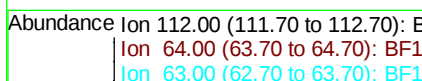
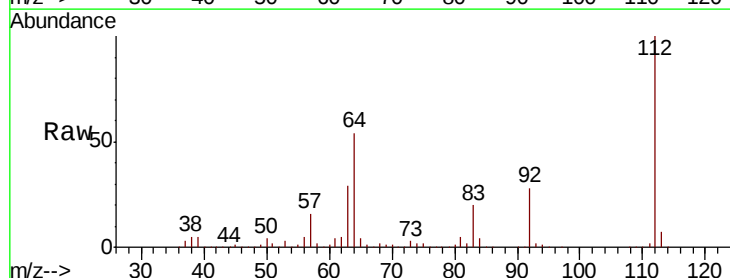
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#5

2-Fluorophenol
Concen: 104.801 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF118970.D
Acq: 20 Feb 2020 20:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	40.4	60.6
63	28.7	21.3	31.9





#7

Phenol-d6

Concen: 107.511 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.00 min

Lab File: BF118970.D

Acq: 20 Feb 2020 20:44

Instrument :

BNA_F

ClientSampleId :

INDIAN-ISLAND-(8)

Tot Ion: 99 Resp: 1673031

Ion Ratio Lower Upper

99 100

42 14.9 11.4 17.0

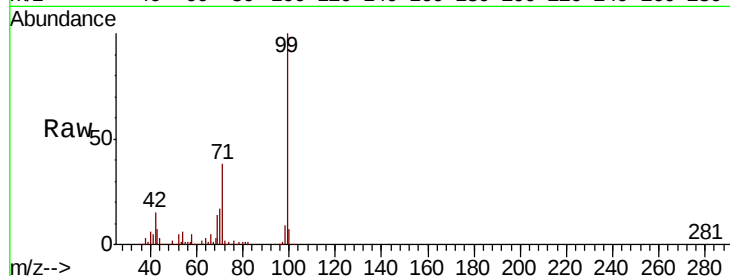
71 38.2 29.8 44.6

Manual Integrations

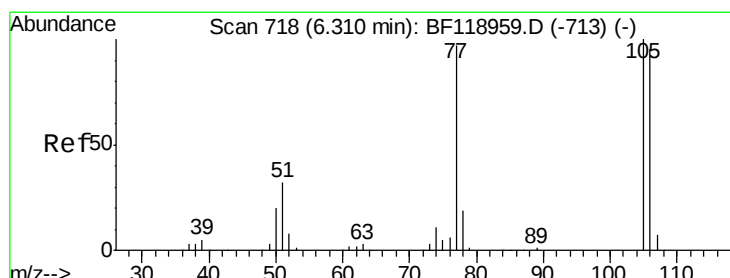
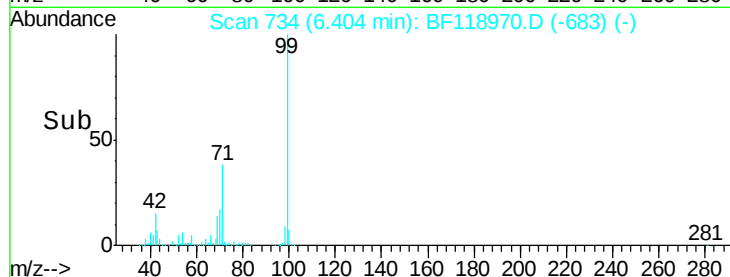
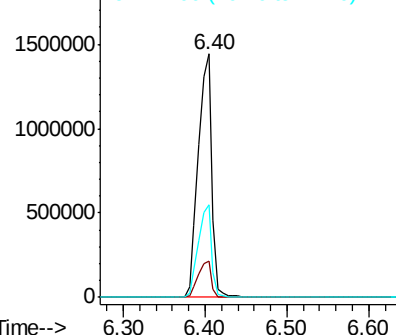
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Abundance Ion 99.00 (98.70 to 99.70): BF1
2000000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.558 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.00 min

Lab File: BF118970.D

Acq: 20 Feb 2020 20:44

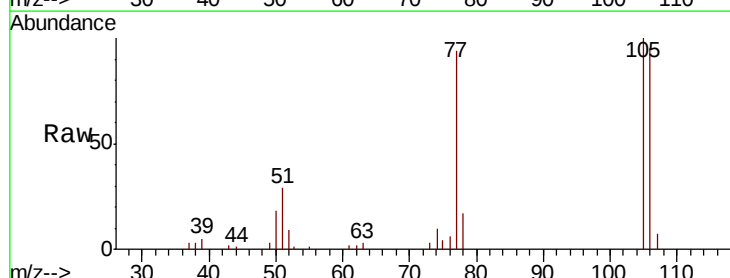
Tgt Ion: 77 Resp: 26597

Ion Ratio Lower Upper

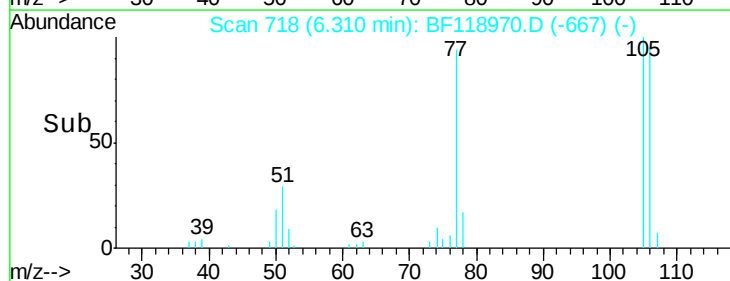
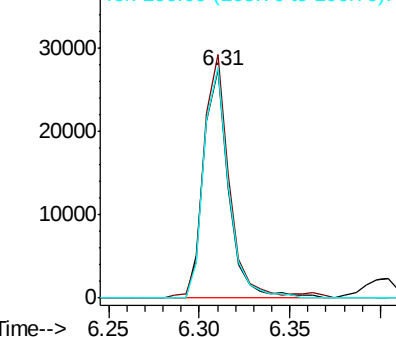
77 100

105 106.9 83.0 123.0

106 101.5 78.3 118.3



Abundance Ion 77.00 (76.70 to 77.70): BF1
40000
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.01 min

Lab File: BF118970.D

Acq: 20 Feb 2020 20:44

Instrument :

BNA_F

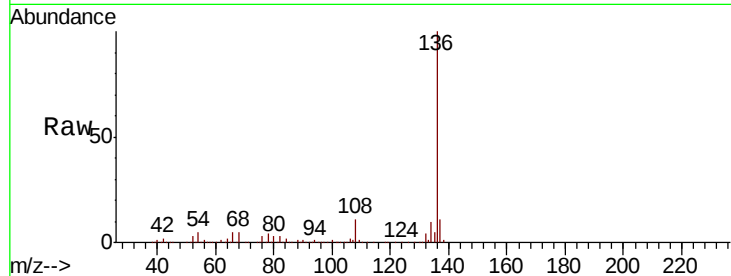
ClientSampleId :

INDIAN-ISLAND-(8)

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.2	8.9	13.3
54	5.2	3.8	5.6
68	5.3	4.2	6.2

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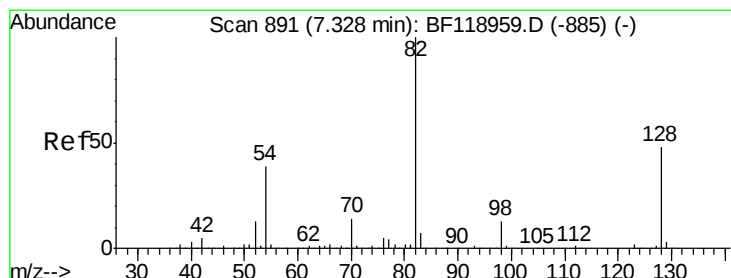
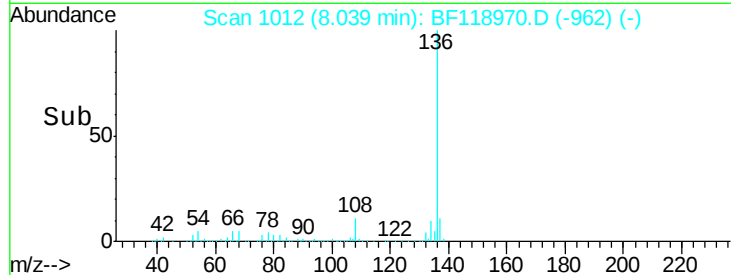
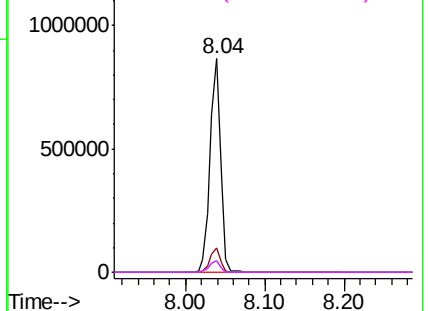


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.256 ng

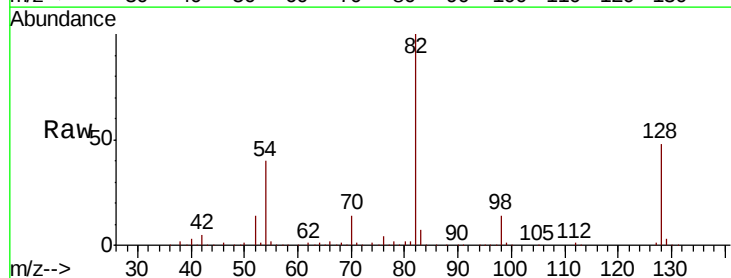
RT: 7.32 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF118970.D

Acq: 20 Feb 2020 20:44

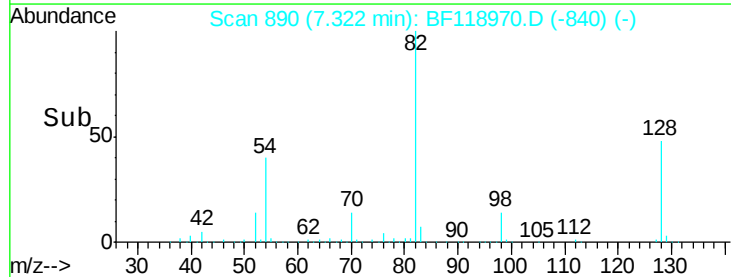
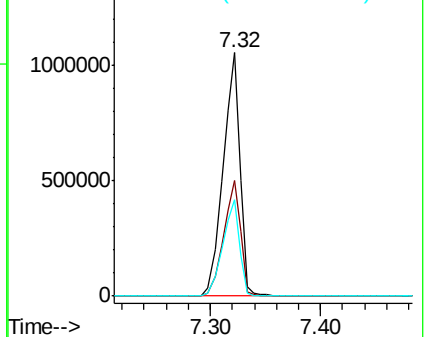
Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	47.7	38.2	57.2
54	39.6	31.3	46.9

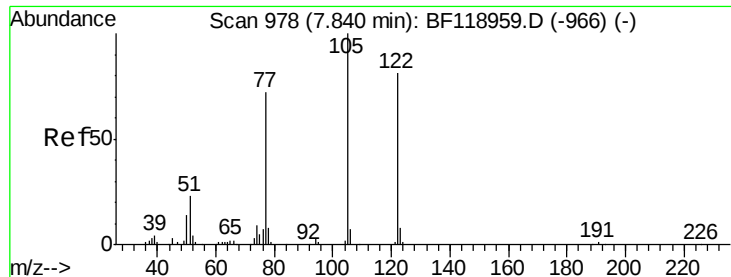


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





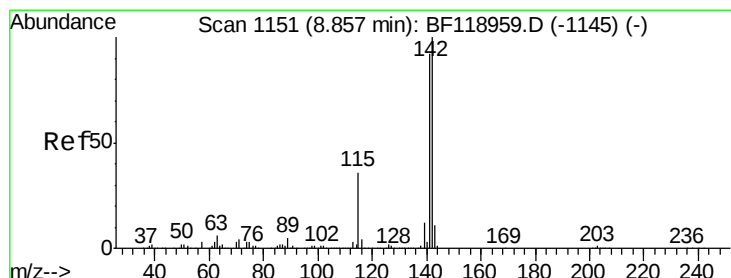
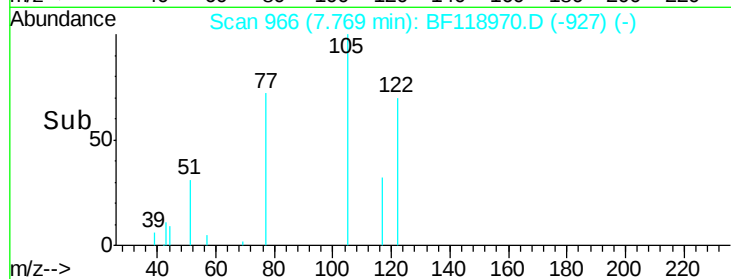
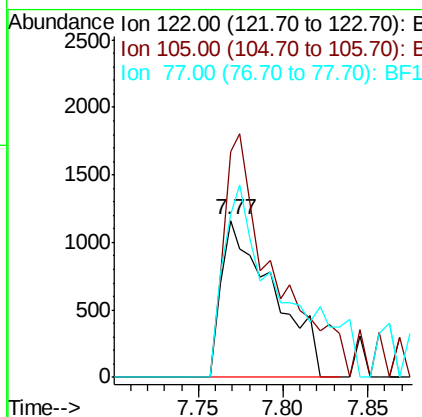
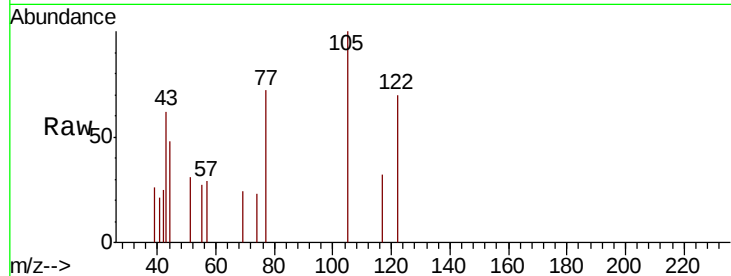
#32
Benzoic acid
Concen: 6.951 ng m
RT: 7.77 min Scan# 966
Delta R.T. -0.07 min
Lab File: BF118970.D
Acq: 20 Feb 2020 20:44

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(8)

Tot Ion	Ratio	Lower	Upper
122	100		
105	143.5	102.2	142.2#
77	103.6	68.6	108.6

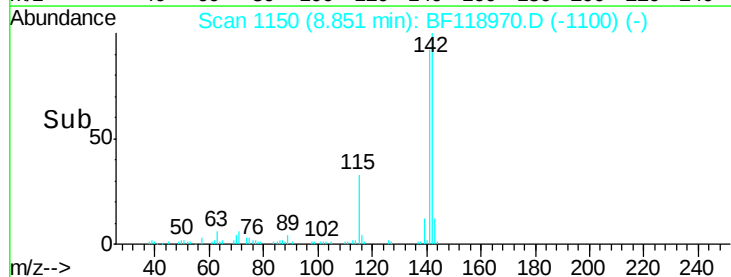
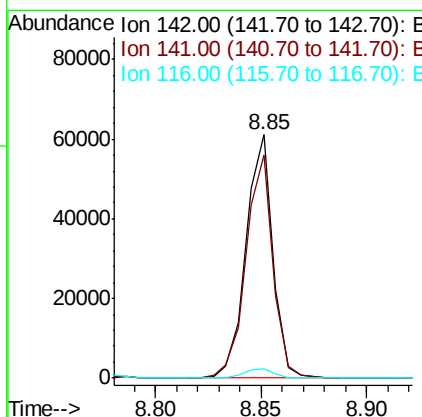
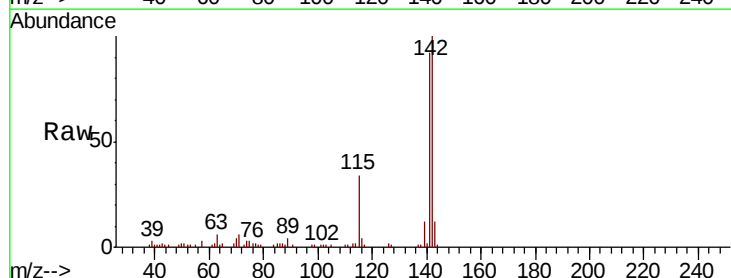
Manual Integrations
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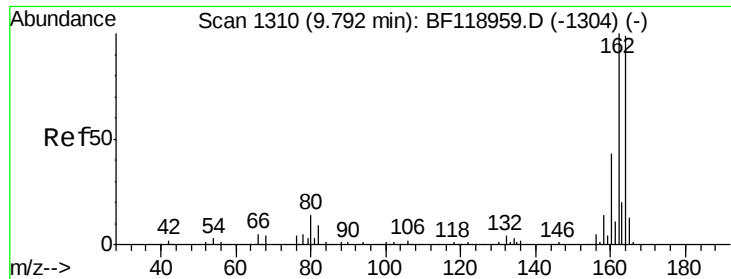
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#38
1-Methylnaphthalene
Concen: 2.051 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF118970.D
Acq: 20 Feb 2020 20:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.7	110.5
116	4.1	3.0	4.6





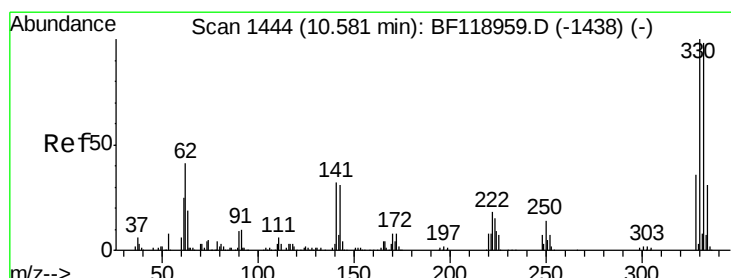
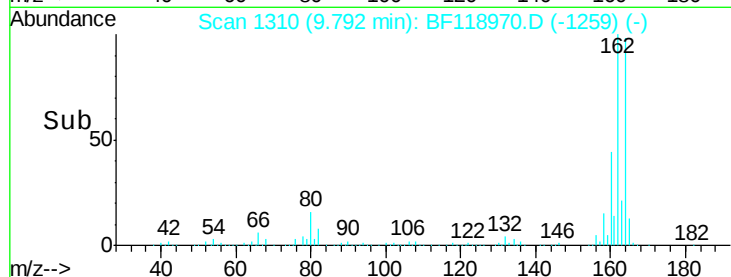
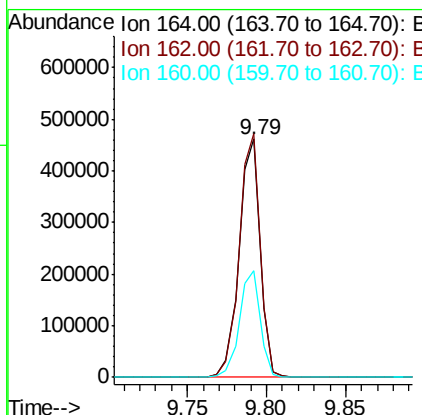
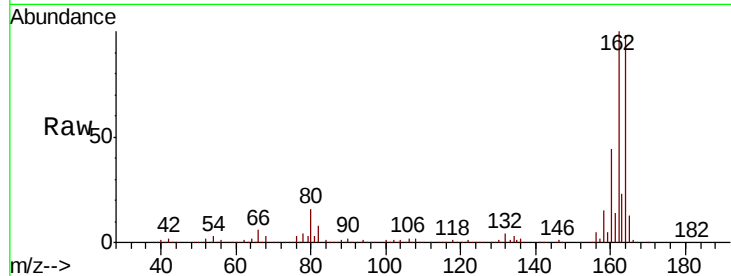
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.00 min
 Lab File: BF118970.D
 Acq: 20 Feb 2020 20:44

Instrument :
 BNA_F
 ClientSampleId :
 INDIAN-ISLAND-(8)

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.2	121.8
160	44.9	35.2	52.8

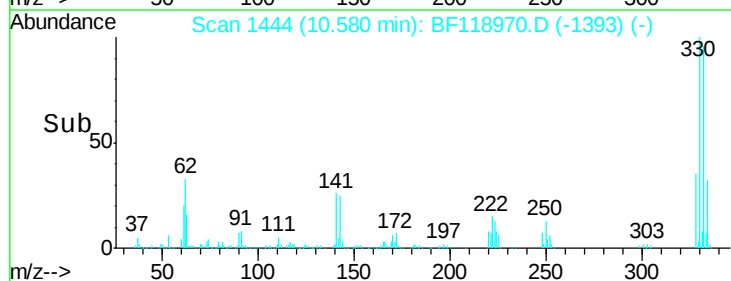
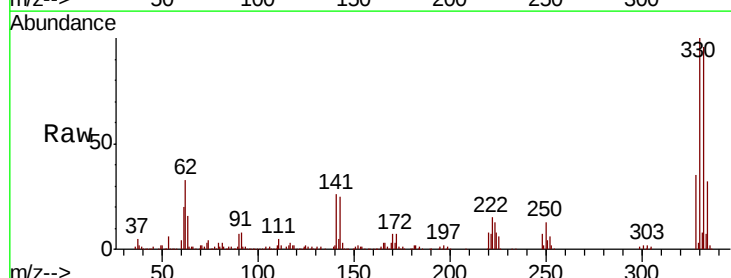
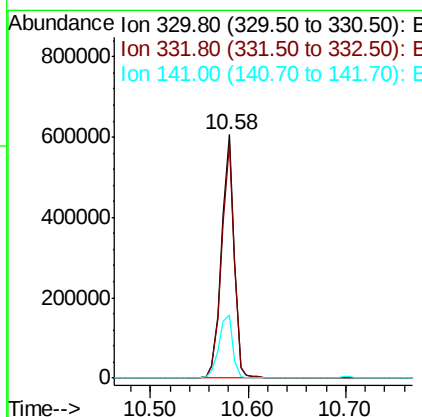
Manual Integrations
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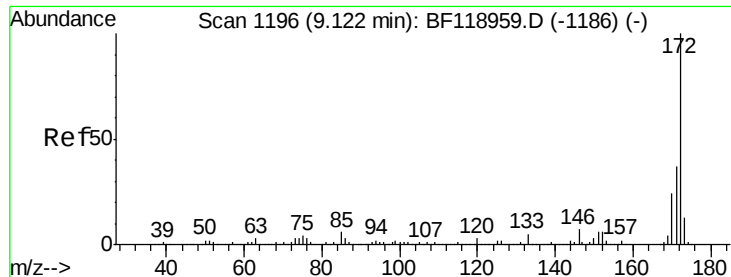
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#42
 2,4,6-Tribromophenol
 Concen: 98.694 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BF118970.D
 Acq: 20 Feb 2020 20:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	28.5	23.0	34.6





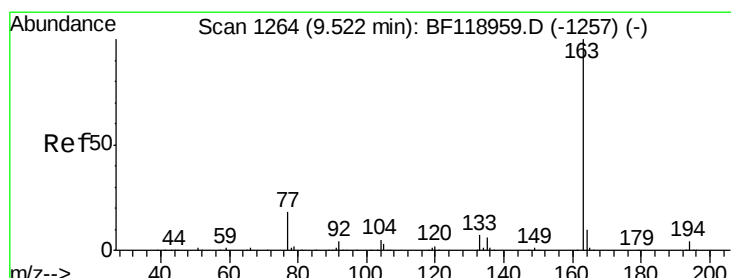
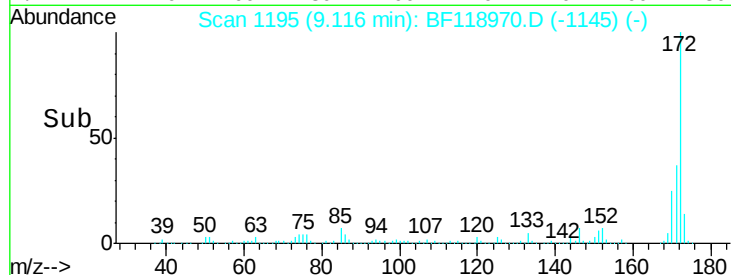
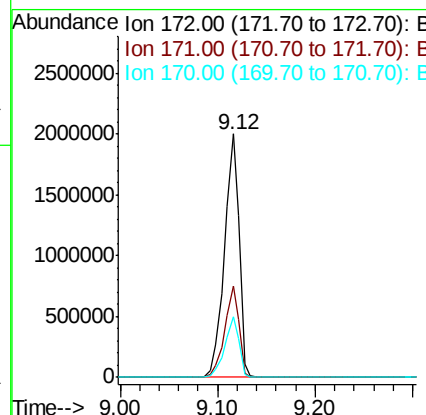
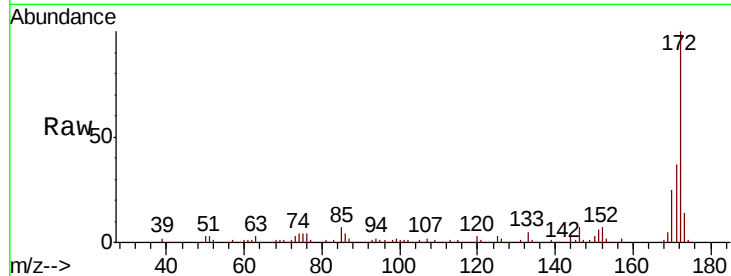
#45
 2-Fluorobiphenyl
 Concen: 72.382 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF118970.D
 Acq: 20 Feb 2020 20:44

Instrument :
 BNA_F
 ClientSampleId :
 INDIAN-ISLAND-(8)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.4	44.2
170	25.0	19.6	29.4

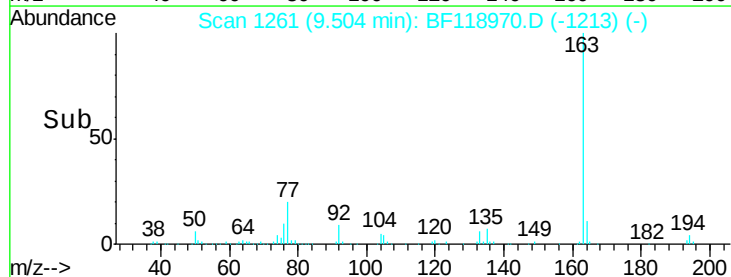
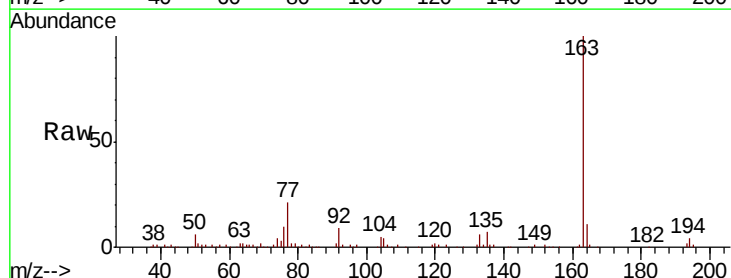
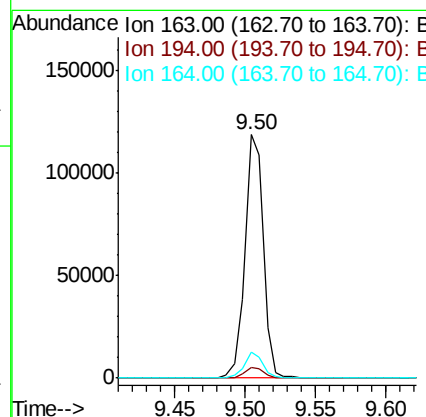
Manual Integrations
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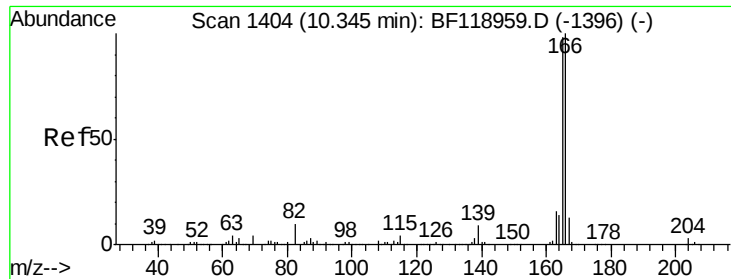
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#50
 Dimethylphthalate
 Concen: 3.321 ng
 RT: 9.50 min Scan# 1261
 Delta R.T. -0.02 min
 Lab File: BF118970.D
 Acq: 20 Feb 2020 20:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.7	8.2	12.2





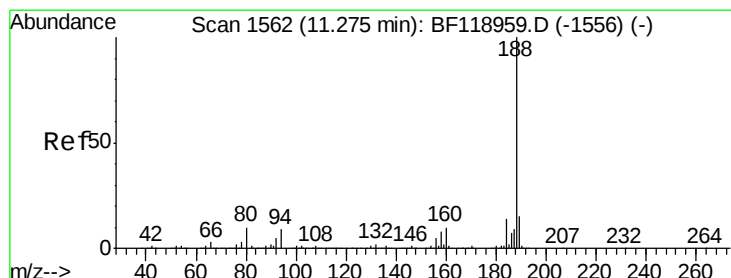
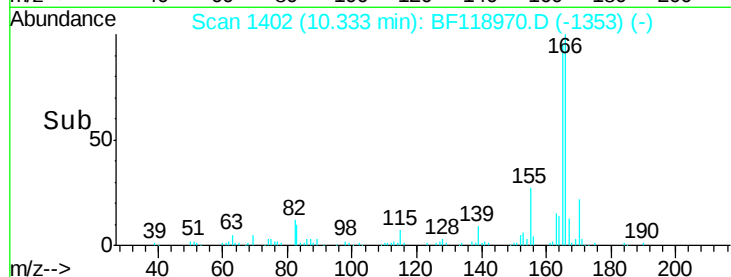
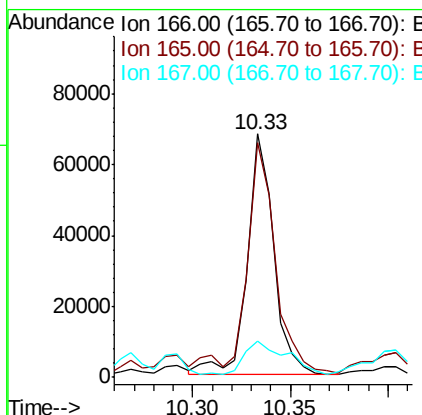
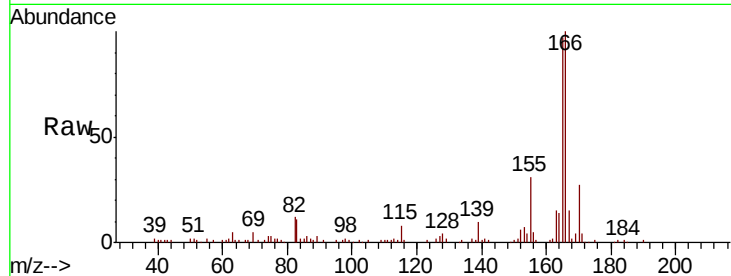
#58
 Fluorene
 Concen: 2.298 ng
 RT: 10.33 min Scan# 1402
 Delta R.T. -0.01 min
 Lab File: BF118970.D
 Acq: 20 Feb 2020 20:44

Instrument :
 BNA_F
 ClientSampleId :
 INDIAN-ISLAND-(8)

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.5	78.2	117.4
167	15.1	10.6	16.0

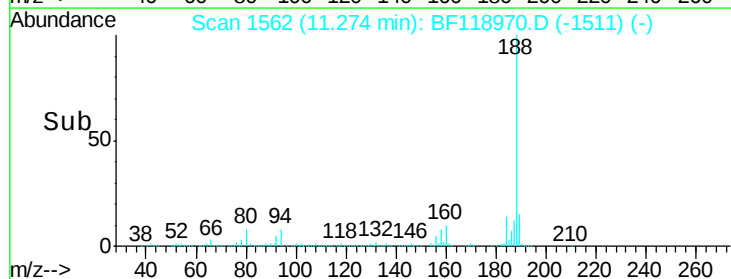
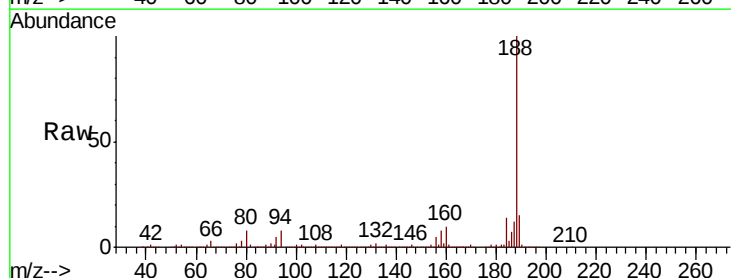
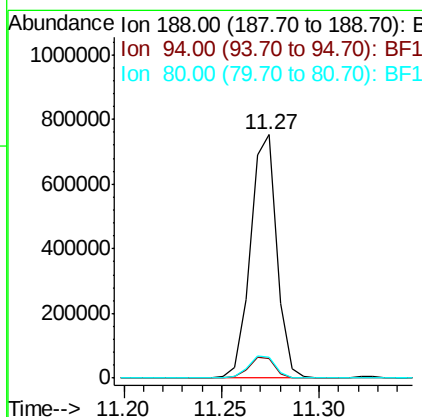
Manual Integrations
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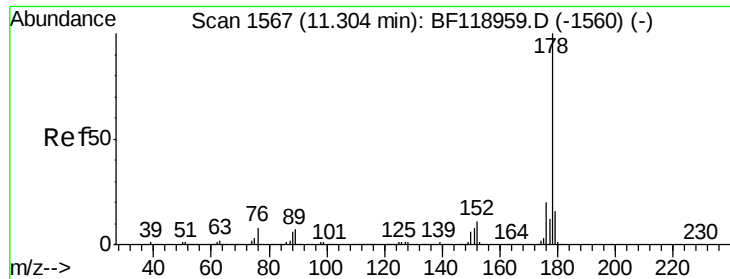
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF118970.D
 Acq: 20 Feb 2020 20:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	7.0	10.6
80	8.4	7.9	11.9





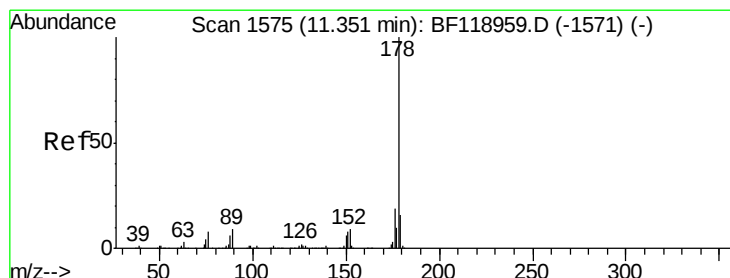
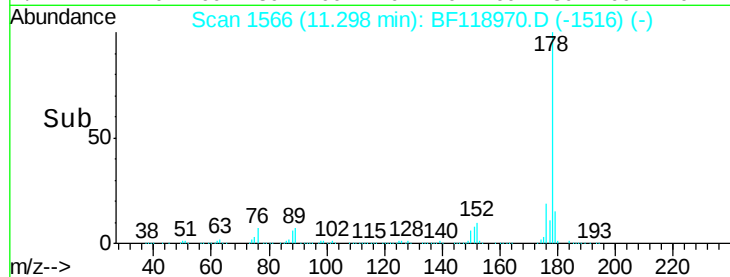
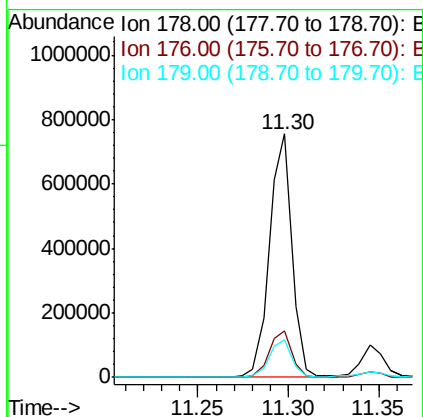
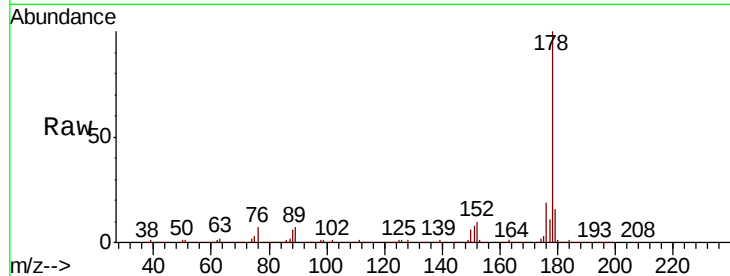
#71
Phenanthrene
Concen: 16.912 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF118970.D
Acq: 20 Feb 2020 20:44

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(8)

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

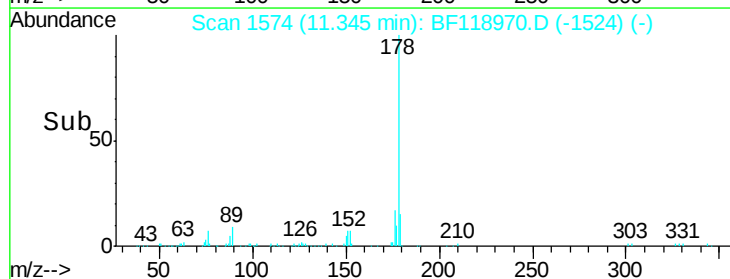
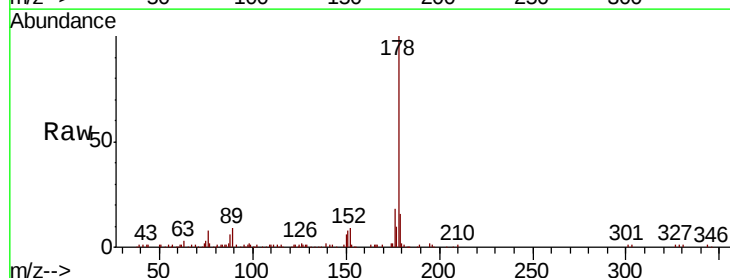
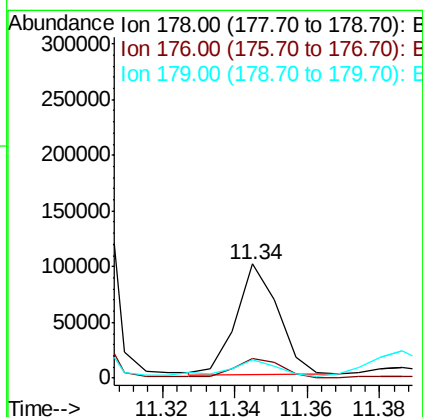
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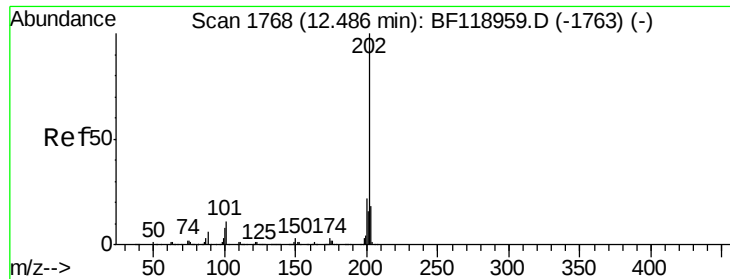
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#72
Anthracene
Concen: 2.119 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF118970.D
Acq: 20 Feb 2020 20:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	15.6	12.8	19.2





#75

Fluoranthene

Concen: 7.628 ng

RT: 12.48 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BF118970.D

Acq: 20 Feb 2020 20:44

Instrument :

BNA_F

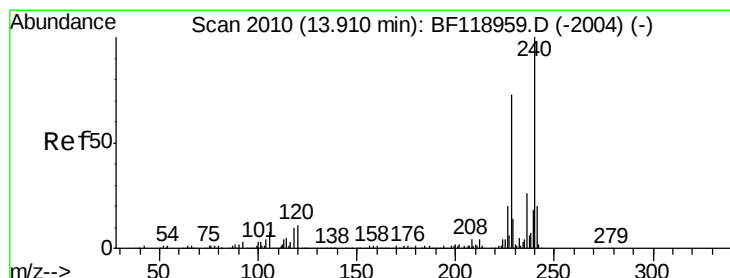
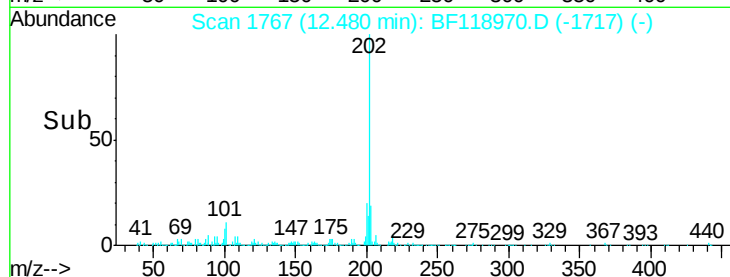
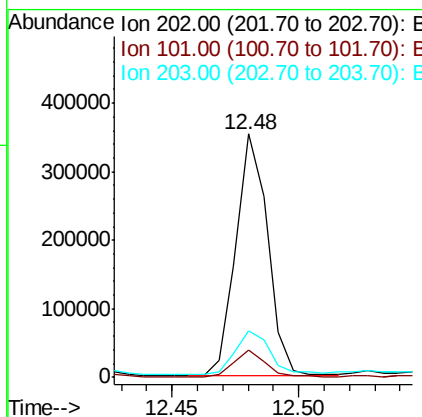
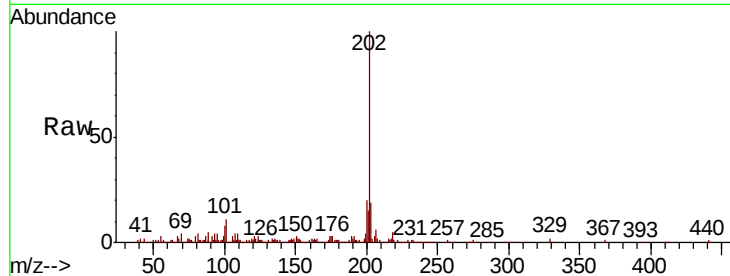
ClientSampleId :

INDIAN-ISLAND-(8)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		310794		
101	11.0	0.0	31.1		
203	19.3	0.0	38.1		

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#76

Chrysene-d12

Concen: 20.000 ng

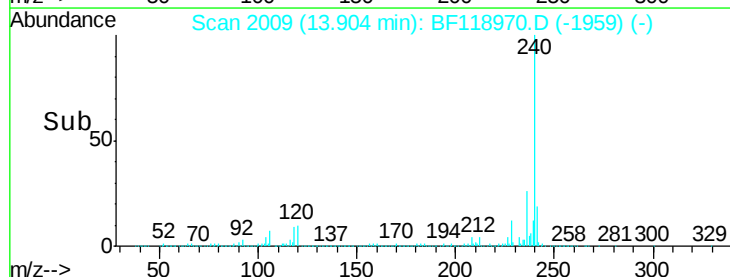
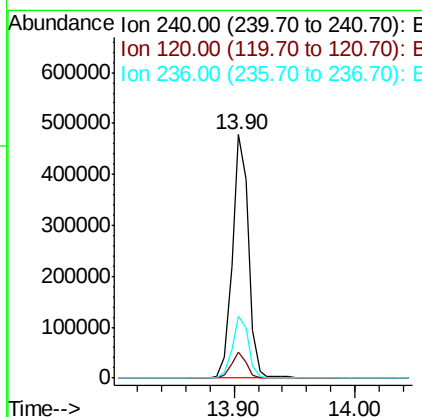
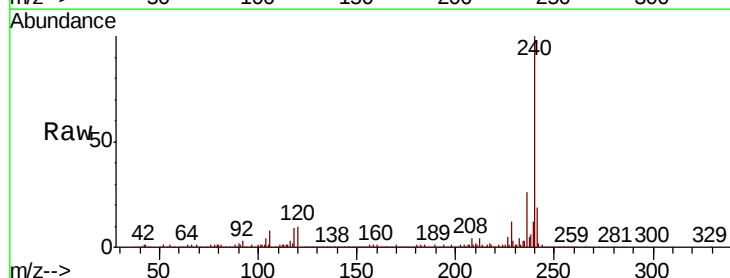
RT: 13.90 min Scan# 2009

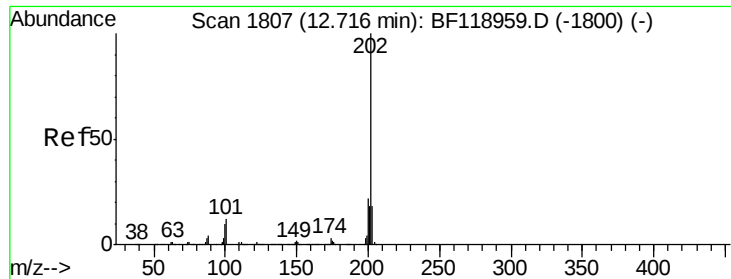
Delta R.T. -0.01 min

Lab File: BF118970.D

Acq: 20 Feb 2020 20:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		443996		
120	10.5	8.9	13.3		
236	25.7	20.6	30.8		





#78

Pvrene

Concen: 13.367 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF118970.D

Acq: 20 Feb 2020 20:44

Instrument :

BNA_F

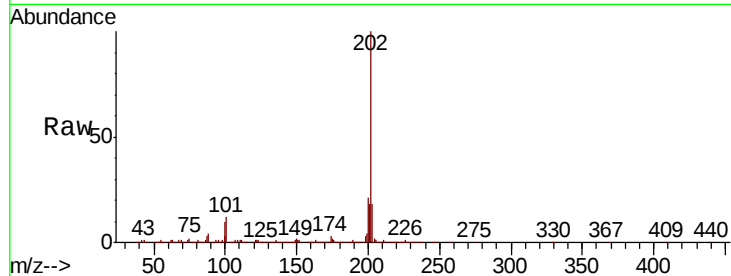
ClientSampleId :

INDIAN-ISLAND-(8)

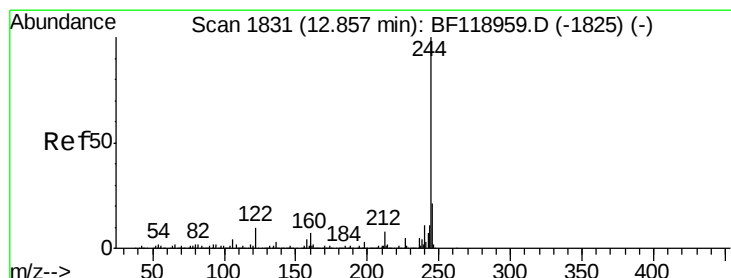
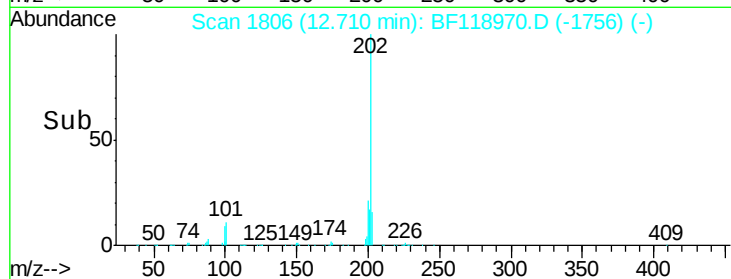
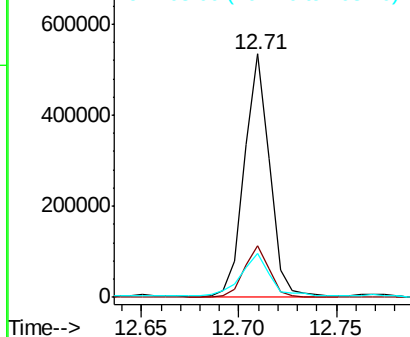
Tot Ion:	202	Resp:	476578
Ion Ratio		Lower	Upper
202	100		
200	21.2	17.4	26.0
203	18.0	14.5	21.7

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 74.265 ng

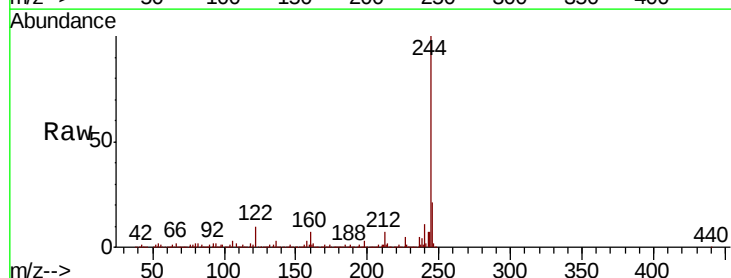
RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

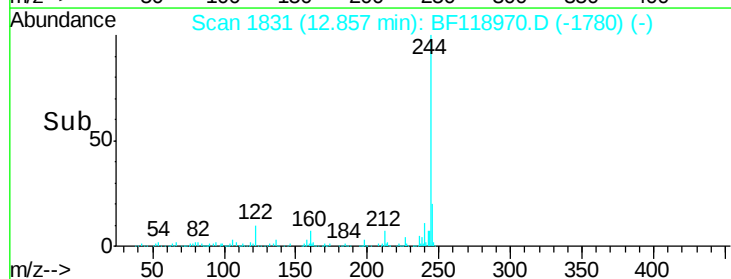
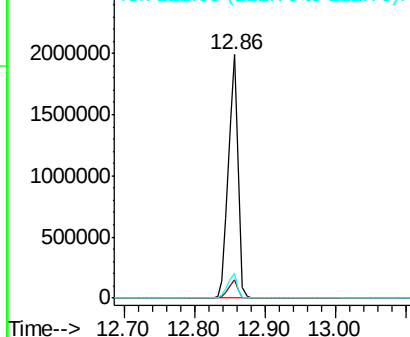
Lab File: BF118970.D

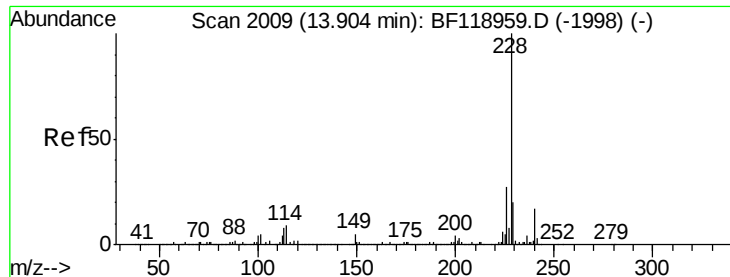
Acq: 20 Feb 2020 20:44

Tgt Ion:	244	Resp:	1915181
Ion Ratio		Lower	Upper
244	100		
212	7.3	6.3	9.5
122	10.1	8.4	12.6



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





#81

Benzo(a)anthracene

Concen: 5.303 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF118970.D

Acq: 20 Feb 2020 20:44

Instrument :

BNA_F

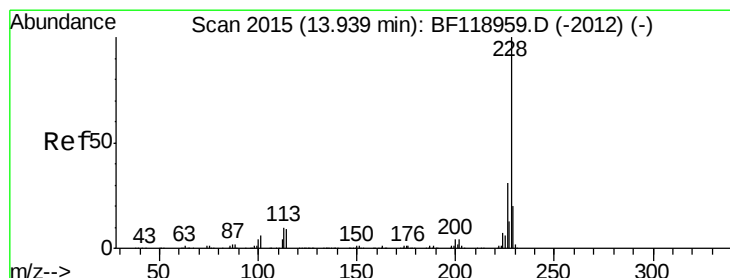
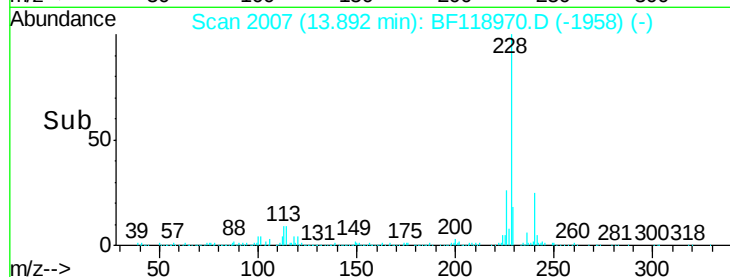
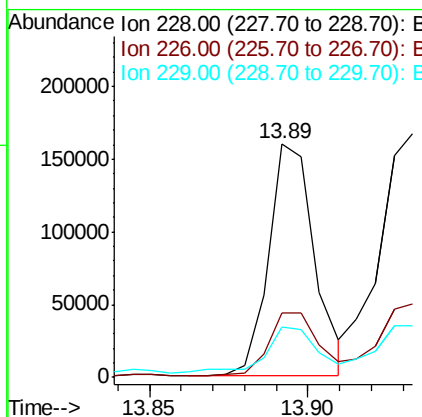
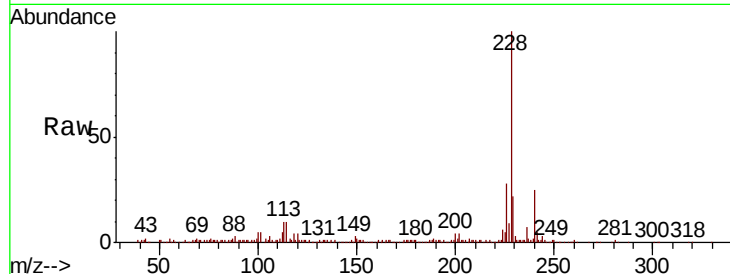
ClientSampleId :

INDIAN-ISLAND-(8)

Tot Ion:	228	Resp:	160429
Ion Ratio	Lower	Upper	
228	100		
226	27.6	21.8	32.8
229	21.6	16.0	24.0

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#83

Chrysene

Concen: 5.807 ng

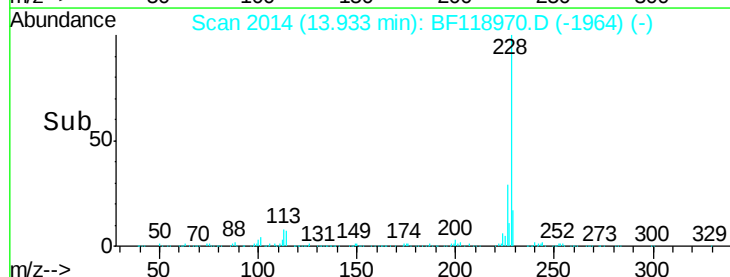
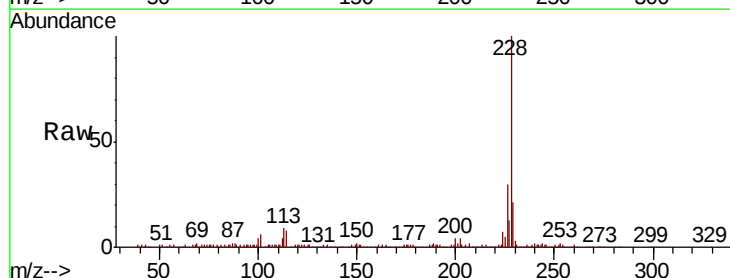
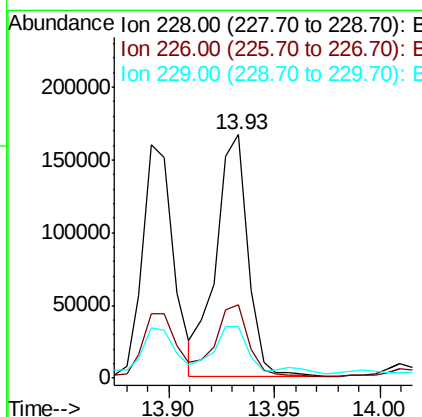
RT: 13.93 min Scan# 2014

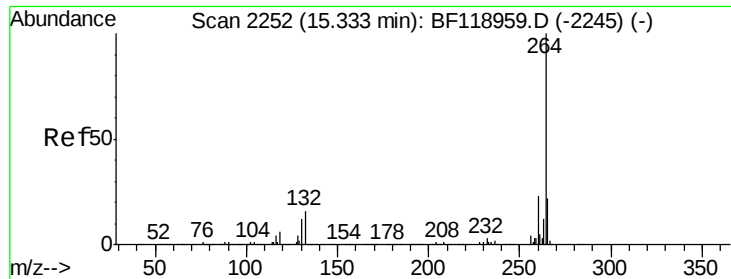
Delta R.T. -0.01 min

Lab File: BF118970.D

Acq: 20 Feb 2020 20:44

Tgt Ion:	228	Resp:	175038
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.6	37.0
229	21.2	16.2	24.2





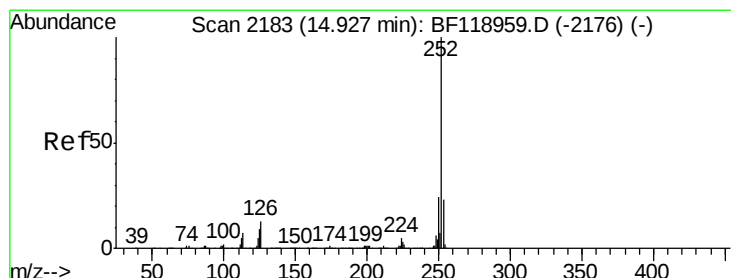
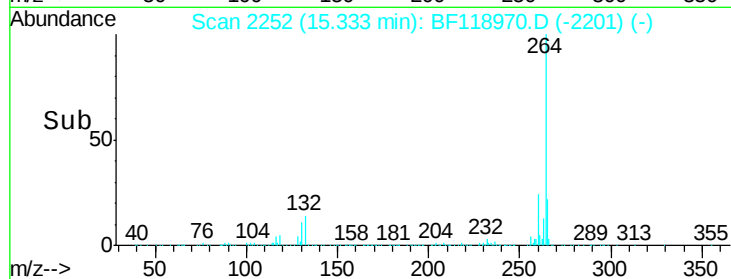
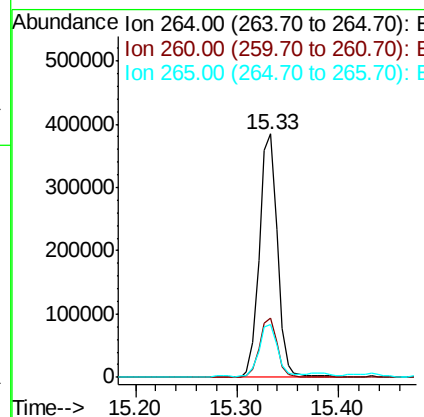
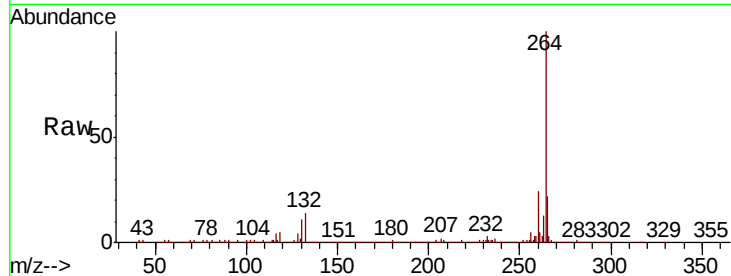
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.00 min
Lab File: BF118970.D
Acq: 20 Feb 2020 20:44

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(8)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	28.0
265	21.9	17.3	25.9

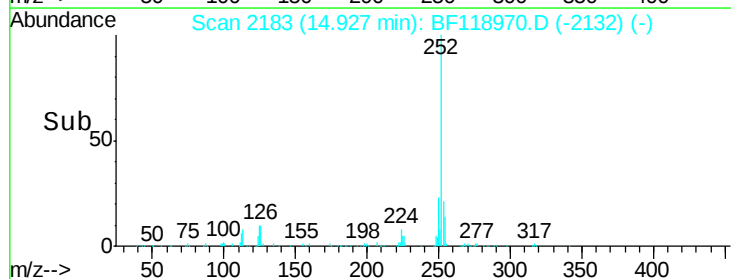
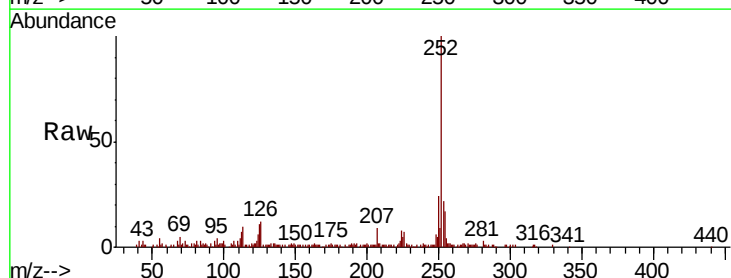
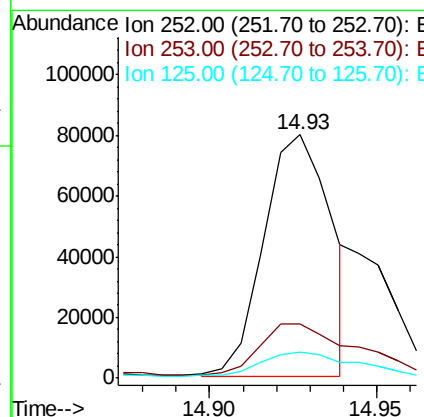
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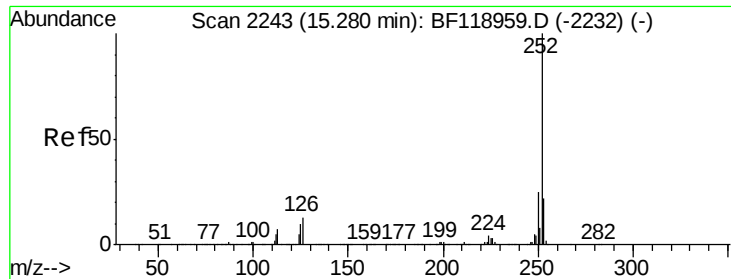
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#88
Benzo(b)fluoranthene
Concen: 3.531 ng m
RT: 14.93 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BF118970.D
Acq: 20 Feb 2020 20:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	10.8	7.4	11.0





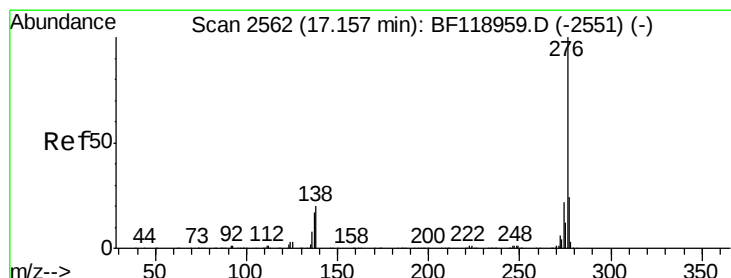
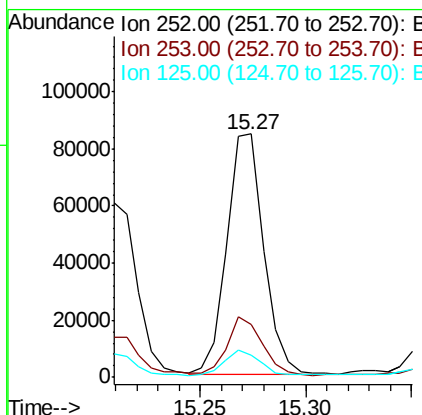
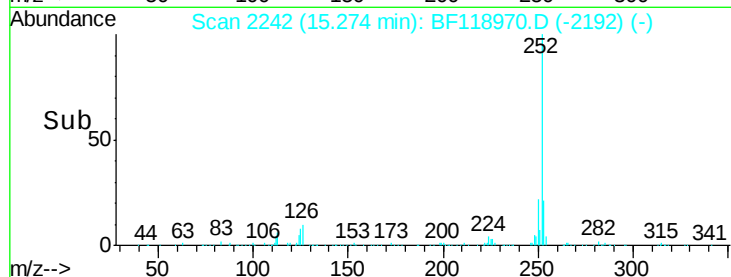
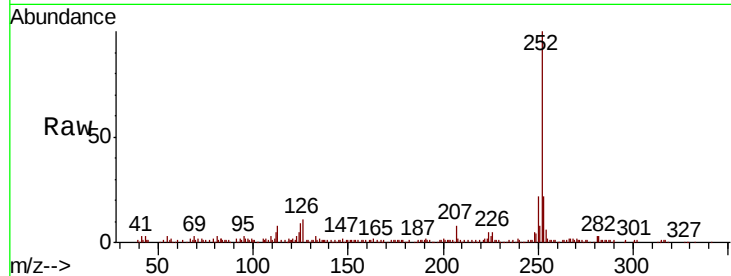
#90
Benzo(a)pyrene
Concen: 3.604 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF118970.D
Acq: 20 Feb 2020 20:44

Instrument :
BNA_F
ClientSampleId :
INDIAN-ISLAND-(8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	9.0	7.8	11.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 2.478 ng
RT: 17.15 min Scan# 2561
Delta R.T. -0.01 min
Lab File: BF118970.D
Acq: 20 Feb 2020 20:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.2	28.8
138	19.0	16.2	24.4

