

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121141.D
 Acq On : 30 Jul 2020 21:52
 Operator : JU/CG
 Sample : L3436-11 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11

Manual Integrations
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Sohil
 7/31/2020 12:12:01 PM

Quant Time: Jul 31 02:46:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	139051	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	541209	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	270913	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	473389	20.00	ng	0.00
76) Chrysene-d12	13.97	240	331427	20.00	ng	0.01
86) Perylene-d12	15.43	264	313886	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	155001	18.27	ng	-0.01
7) Phenol-d6	6.43	99	194051	17.71	ng	-0.01
23) Nitrobenzene-d5	7.36	82	111297	11.90	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	43964	14.83	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	240875	13.27	ng	0.00
79) Terphenyl-d14	12.91	244	207969	13.64	ng	0.00
Target Compounds						
31) Naphthalene	8.10	128	60595	2.183	ng	99
38) 1-Methylnaphthalene	8.89	142	38735	2.269	ng	99
49) Acenaphthylene	9.70	152	68608	2.621	ng	98
50) Dimethylphthalate	9.55	163	42821	2.191	ng	# 99
52) Acenaphthene	9.87	154	67789	4.074	ng	100
55) Dibenzofuran	10.05	168	60690	2.522	ng	# 97
58) Fluorene	10.39	166	118051	6.577	ng	97
66) n-Nitrosodiphenylamine	10.50	169	46289	3.108	ng	99
71) Phenanthrene	11.35	178	726833	29.854	ng	99
72) Anthracene	11.40	178	213817	8.746	ng	100
73) Carbazole	11.56	167	58515	2.412	ng	99
75) Fluoranthene	12.55	202	703401	26.065	ng	99
78) Pyrene	12.77	202	686716	29.307	ng	99
81) Benzo(a)anthracene	13.96	228	269843	13.445	ng	94
83) Chrysene	14.00	228	262642	12.453	ng	97
87) Indeno(1,2,3-cd)pyrene	16.87	276	90696	4.155	ng	97
88) Benzo(b)fluoranthene	15.01	252	270860m	14.276	ng	
89) Benzo(k)fluoranthene	15.03	252	59652m	3.447	ng	
90) Benzo(a)pyrene	15.37	252	188142	10.869	ng	97
92) Benzo(a,h,i)perylene	17.30	276	86087	4.896	ng	# 92

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

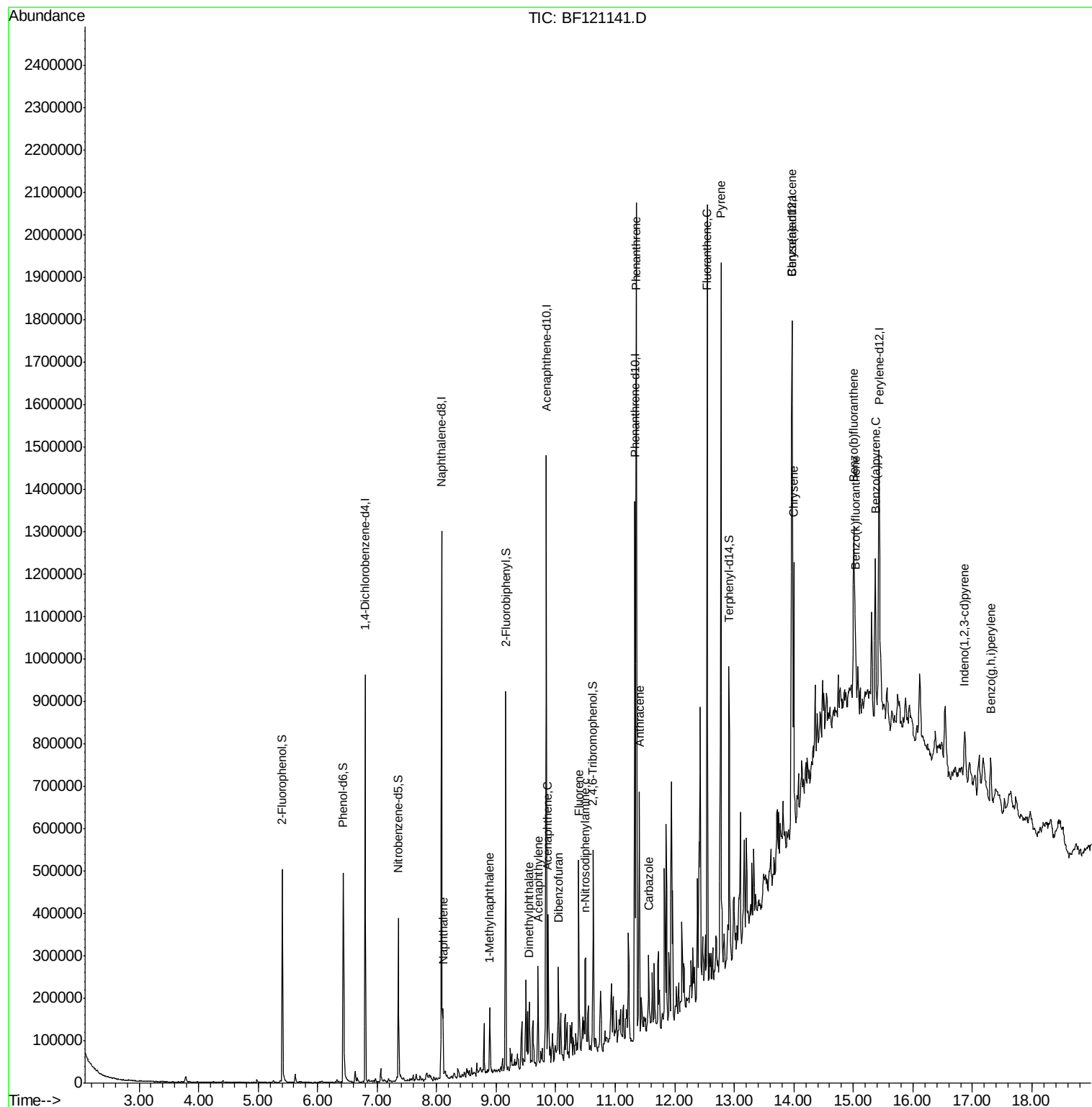
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
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Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

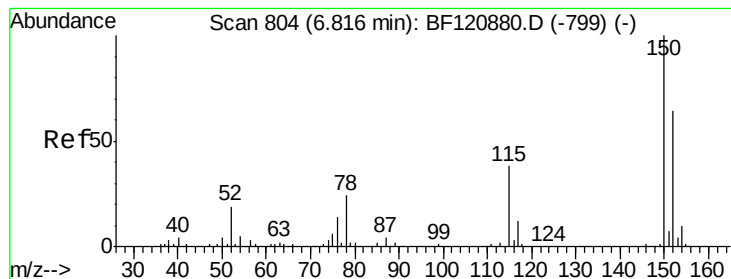
Instrument :
BNA_F
ClientSampled :
11

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Quant Time: Jul 31 02:46:27 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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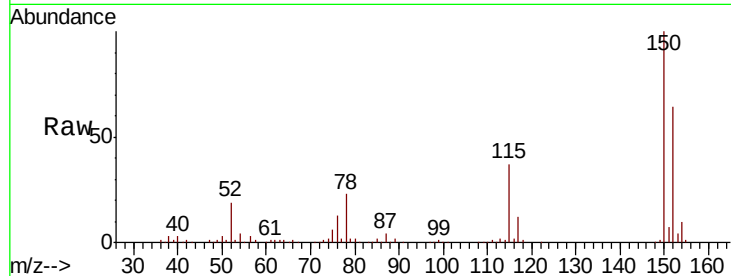
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF121141.D
 Acq: 30 Jul 2020 21:52

Instrument :
 BNA_F
 ClientSampled :
 11

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	125.6	188.4
115	57.4	46.2	69.2

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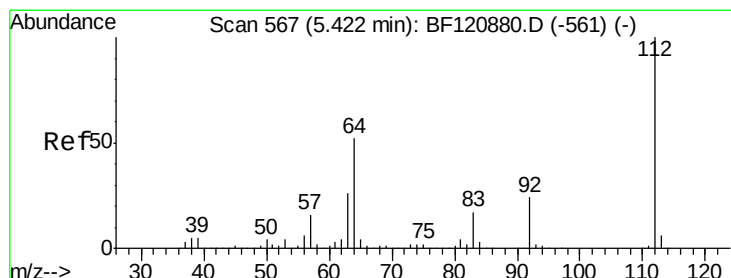
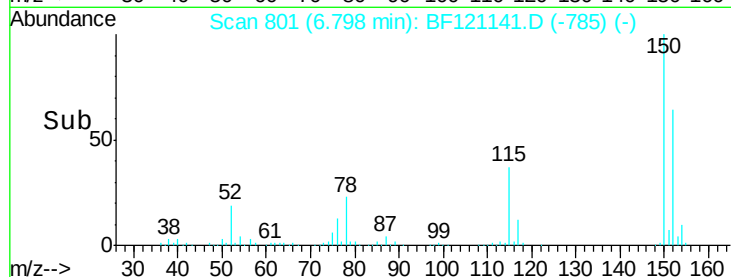
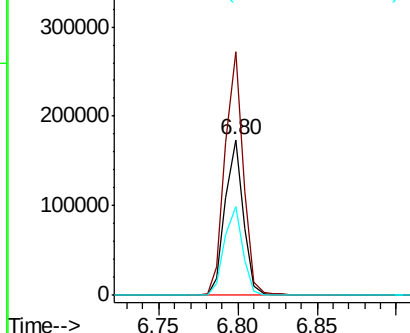


Abundance

Ion 152.00 (151.70 to 152.70): E

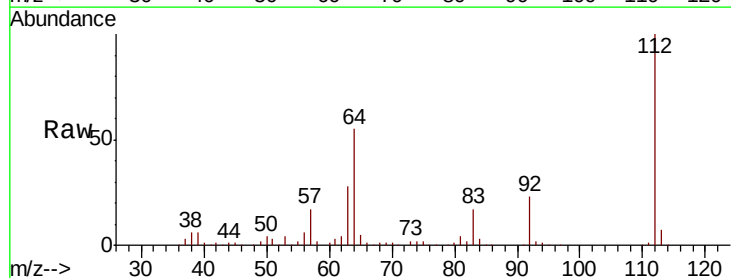
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 18.274 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF121141.D
 Acq: 30 Jul 2020 21:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	43.9	65.9
63	28.2	22.7	34.1

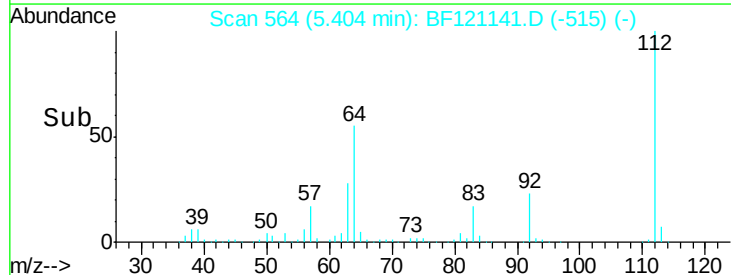
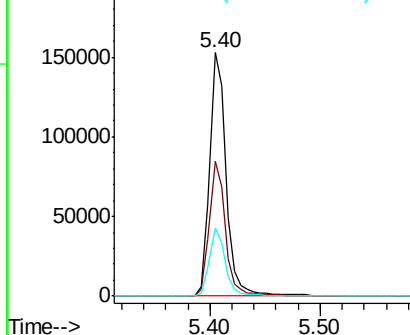


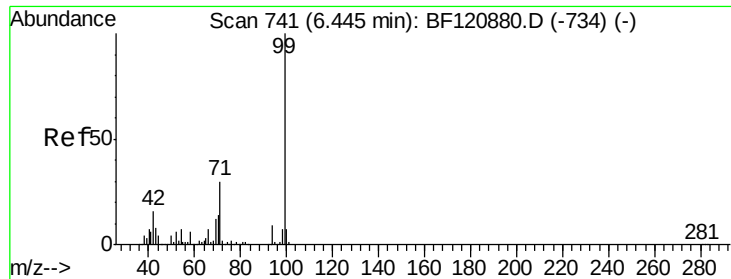
Abundance

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: 17.711 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121141.D

Acq: 30 Jul 2020 21:52

Instrument :

BNA_F

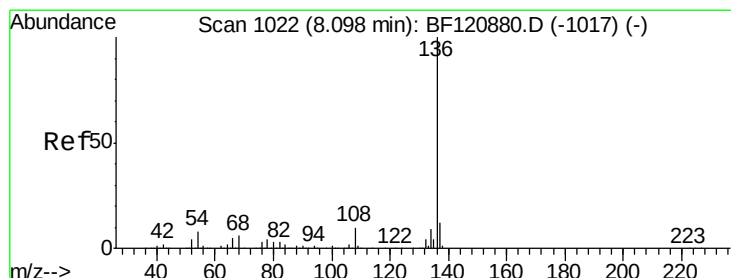
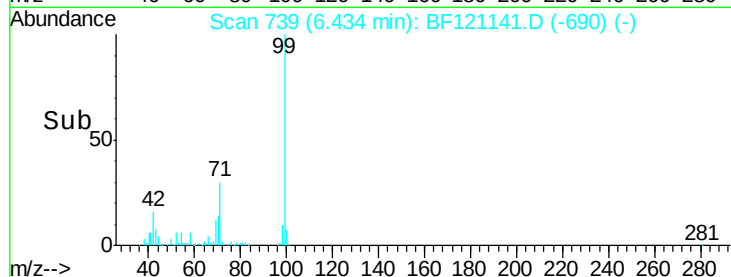
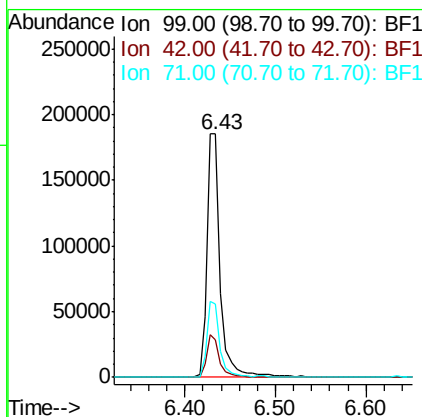
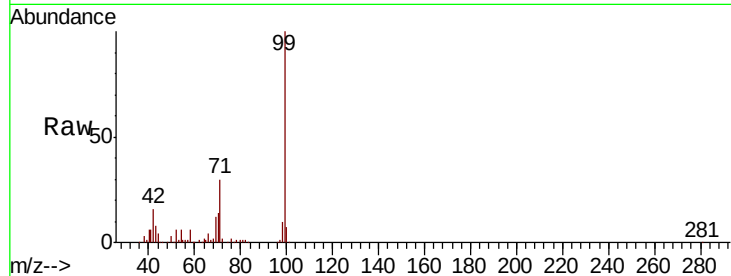
ClientSampled :

11

Tot Ion:	99	Resp:	194051
Ion Ratio	Lower	Upper	
99	100		
42	15.5	13.5	20.3
71	30.3	25.0	37.4

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#21

Naphthalene-d8

Concen: 20.000 ng

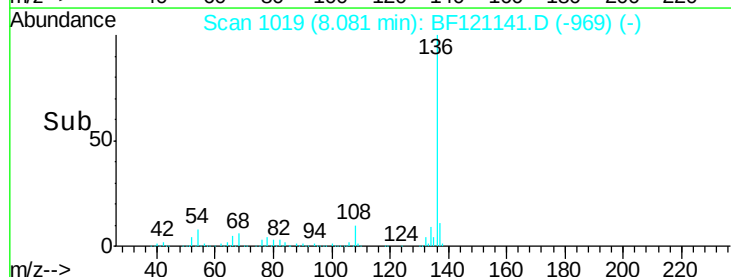
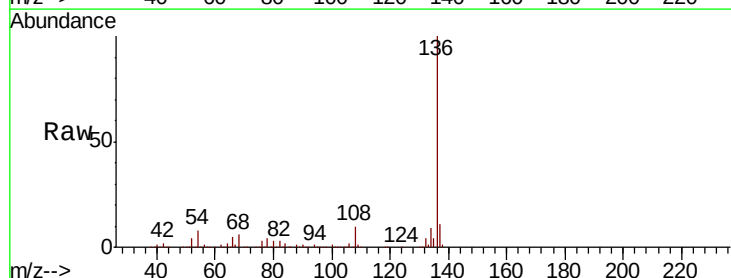
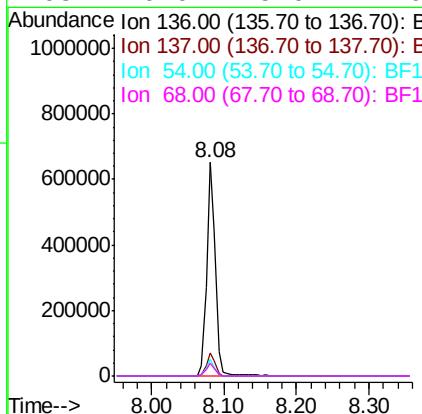
RT: 8.08 min Scan# 1019

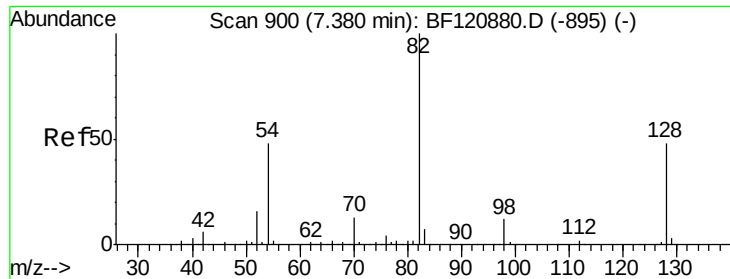
Delta R.T. -0.01 min

Lab File: BF121141.D

Acq: 30 Jul 2020 21:52

Tgt Ion:	136	Resp:	541209
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.4
54	7.7	6.1	9.1
68	6.0	5.0	7.6





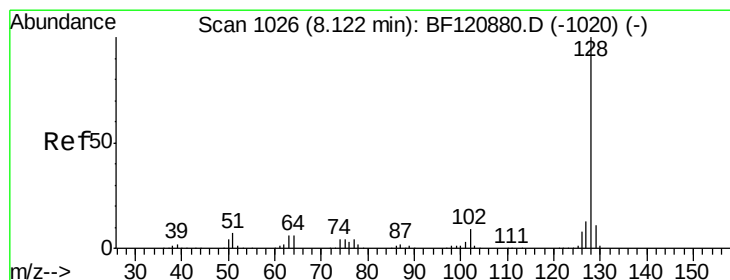
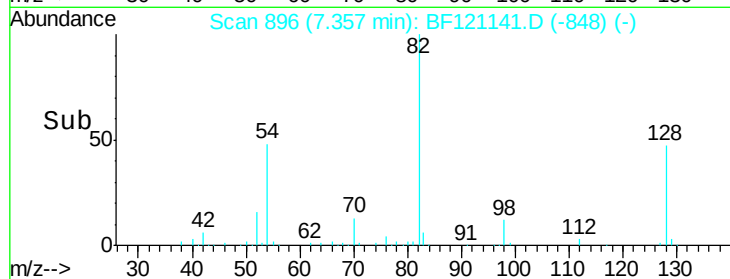
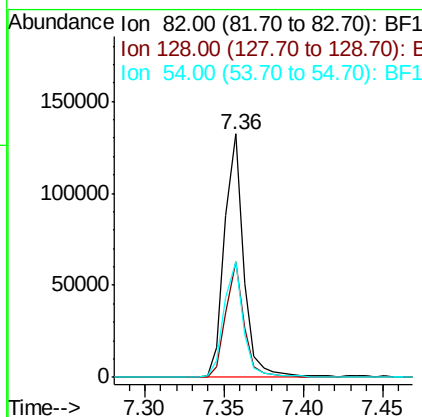
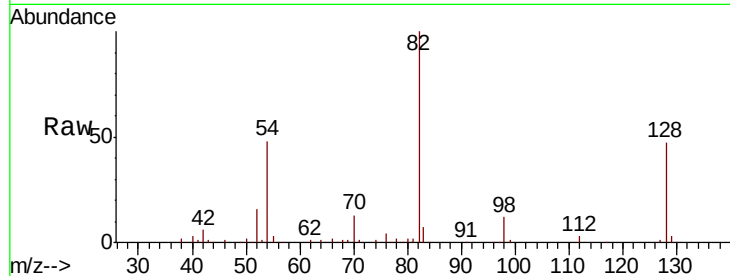
#23
Nitrobenzene-d5
Concen: 11.899 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Instrument :
BNA_F
ClientSampled :
11

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.4	39.2	58.8
54	47.7	37.8	56.8

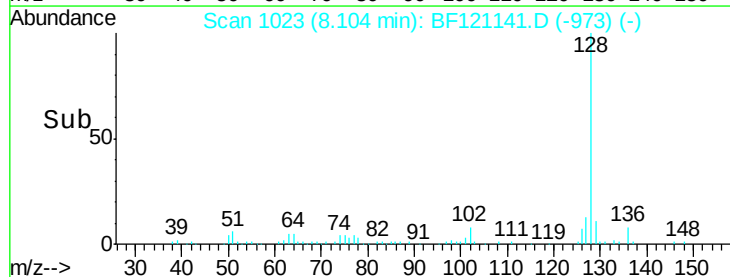
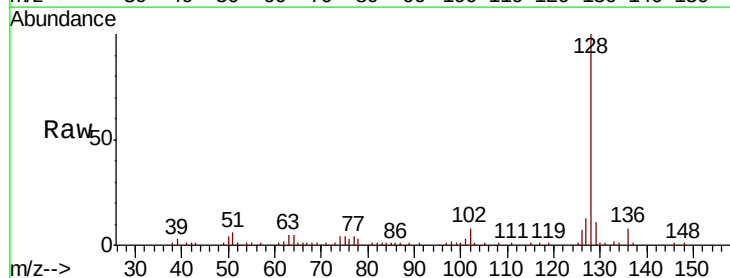
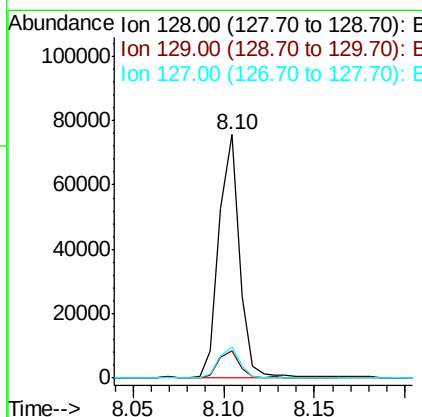
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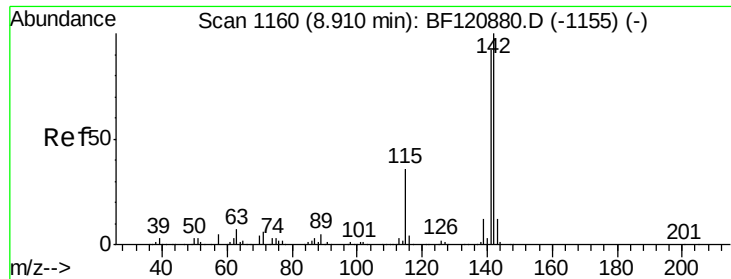
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#31
Naphthalene
Concen: 2.183 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.3	13.9
127	13.0	10.8	16.2





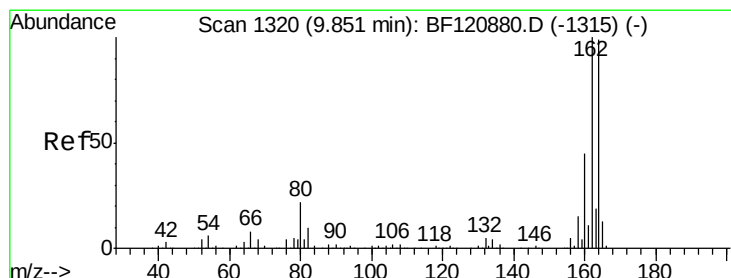
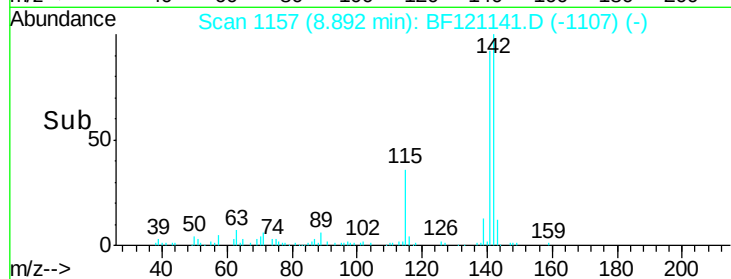
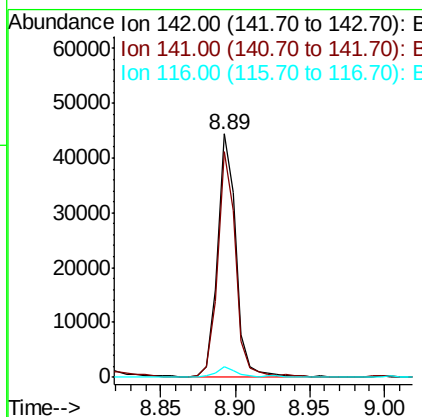
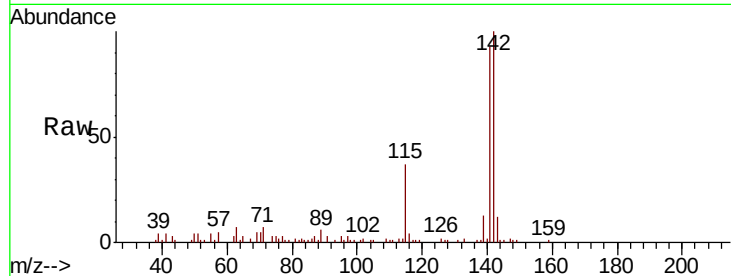
#38
1-Methylnaphthalene
Concen: 2.269 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Instrument :
BNA_F
ClientSampleId :
11

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.0	109.6
116	4.3	3.0	4.6

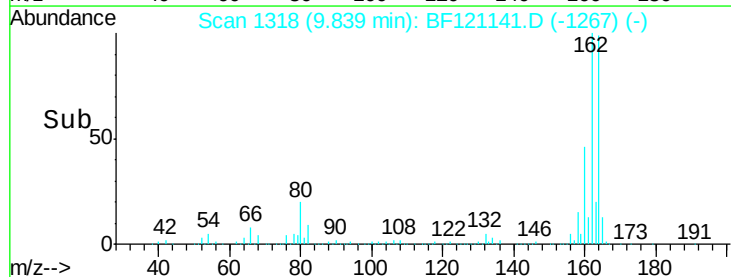
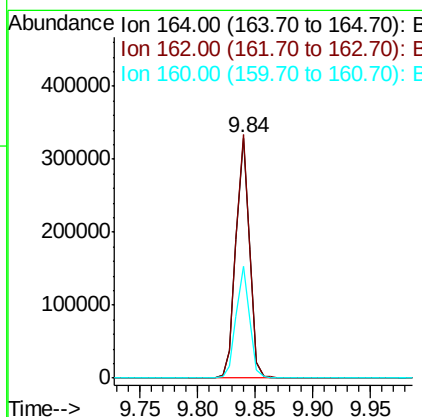
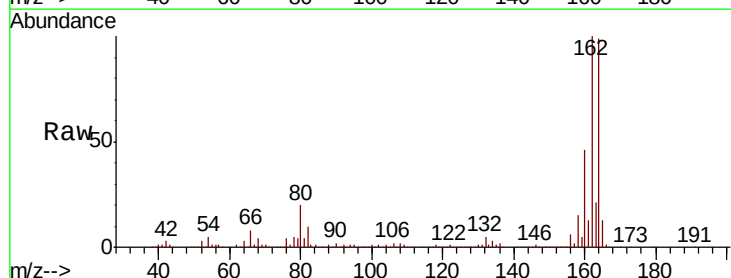
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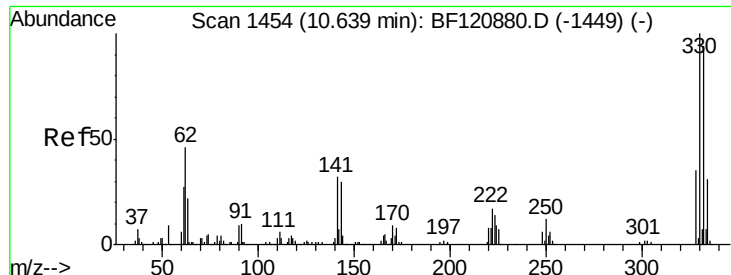
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.2	123.2
160	46.5	37.2	55.8





#42

2,4,6-Tribromophenol

Concen: 14.826 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF121141.D

Acq: 30 Jul 2020 21:52

Instrument :

BNA_F

ClientSampled :

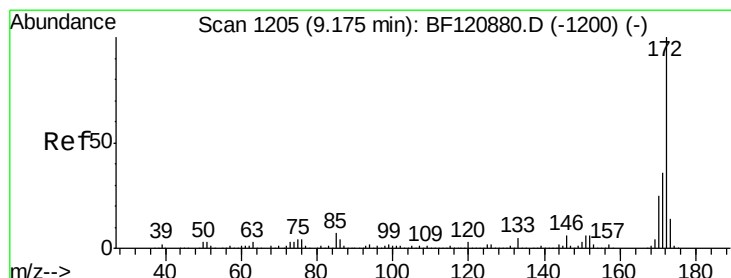
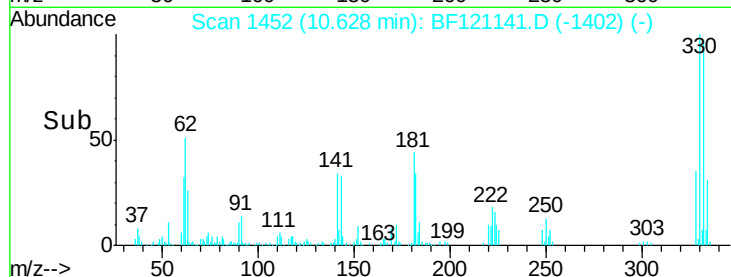
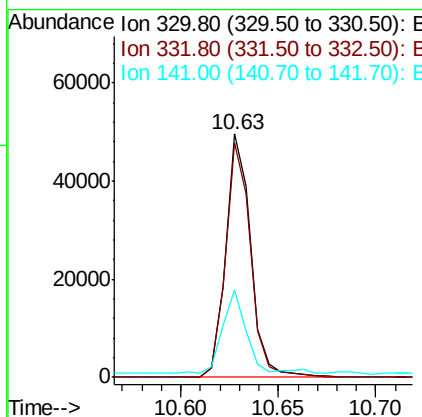
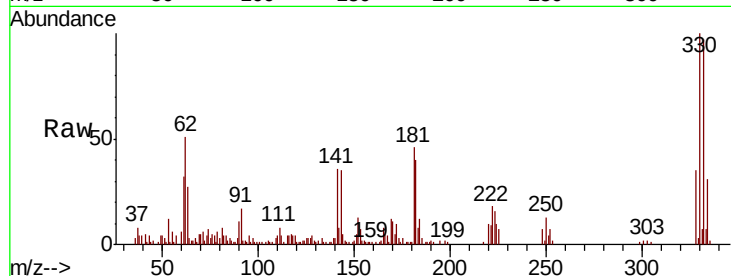
11

Tot Ion:	330	Resp:	43964
Ion Ratio	Lower	Upper	
330	100		
332	96.7	76.1	114.1
141	32.5	24.1	36.1

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#45

2-Fluorobiphenyl

Concen: 13.275 ng

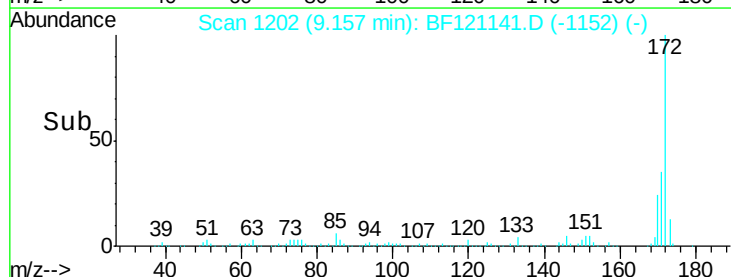
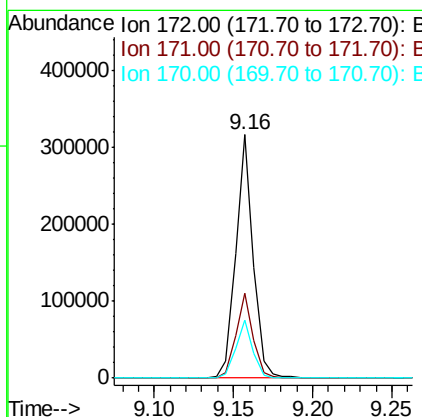
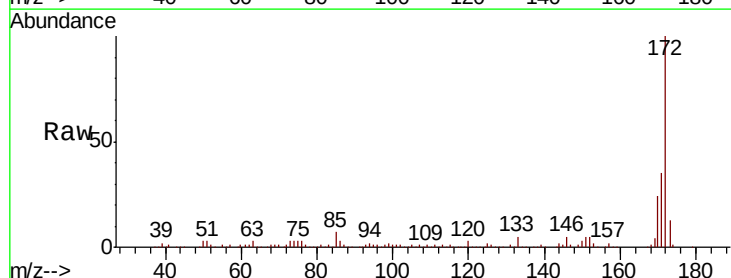
RT: 9.16 min Scan# 1202

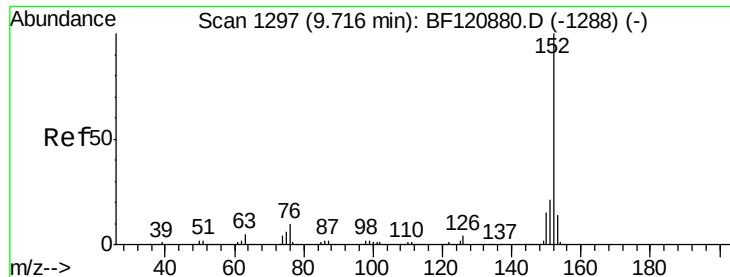
Delta R.T. -0.01 min

Lab File: BF121141.D

Acq: 30 Jul 2020 21:52

Tgt Ion:	172	Resp:	240875
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.0	43.4
170	23.9	19.6	29.4





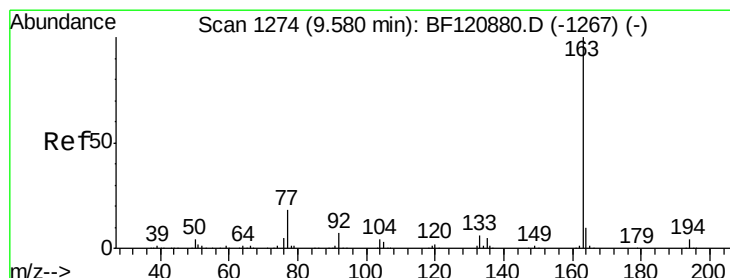
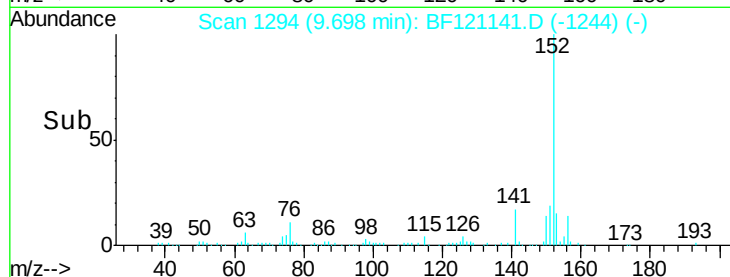
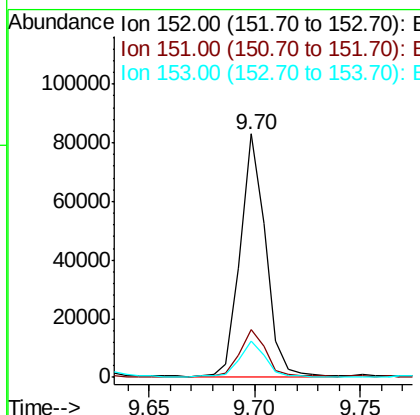
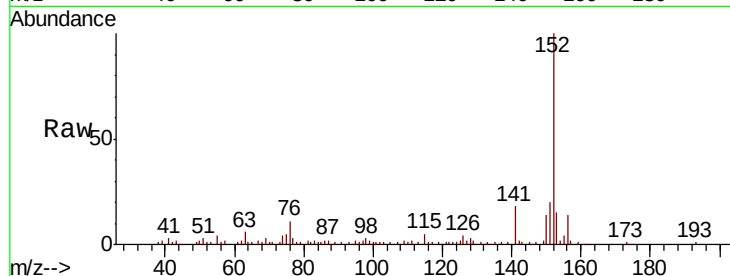
#49
Acenaphthylene
Concen: 2.621 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Instrument :
BNA_F
ClientSampled :
11

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.6	25.0
153	14.9	11.0	16.4

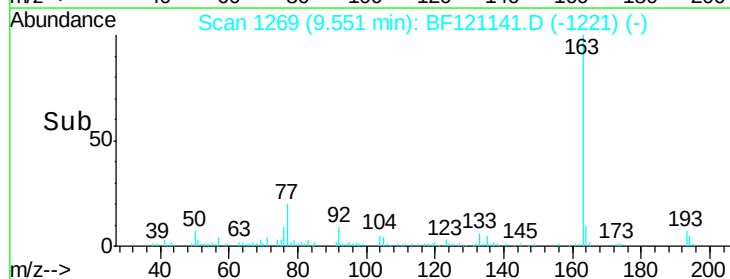
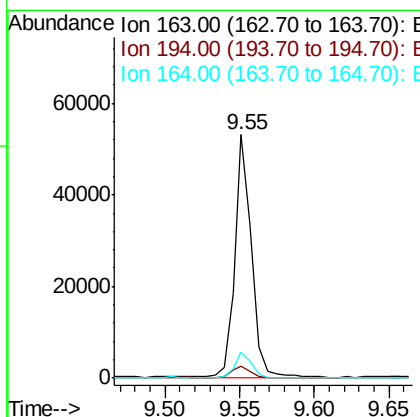
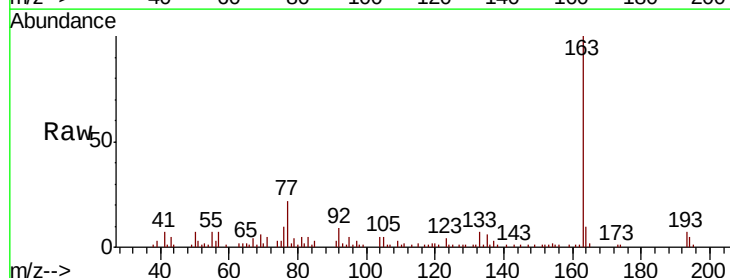
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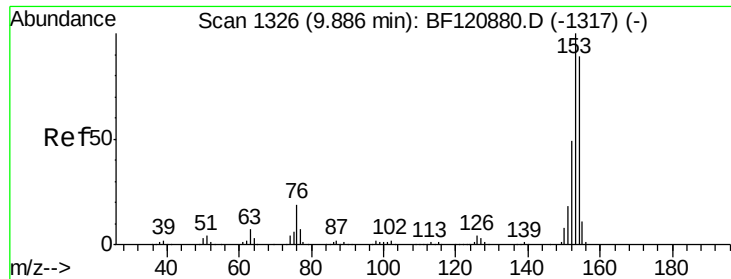
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#50
Dimethylphthalate
Concen: 2.191 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.0	4.4#
164	10.4	8.4	12.6





#52

Acenaphthene

Concen: 4.074 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF121141.D

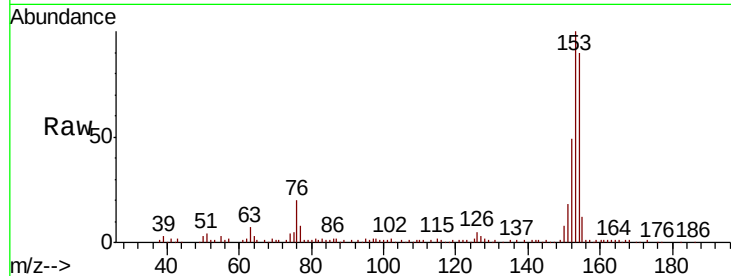
Acq: 30 Jul 2020 21:52

Instrument :

BNA_F

ClientSampleId :

11



Tot Ion:154 Resp: 67789

Ion Ratio Lower Upper

154 100

153 111.7 89.6 134.4

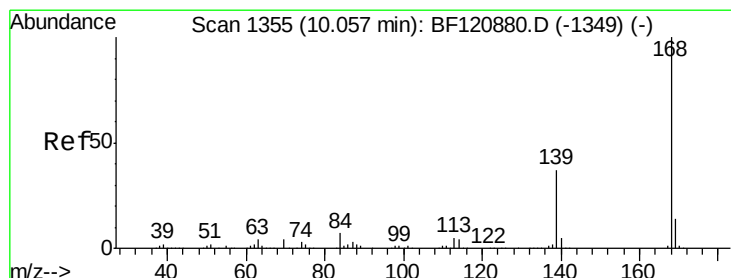
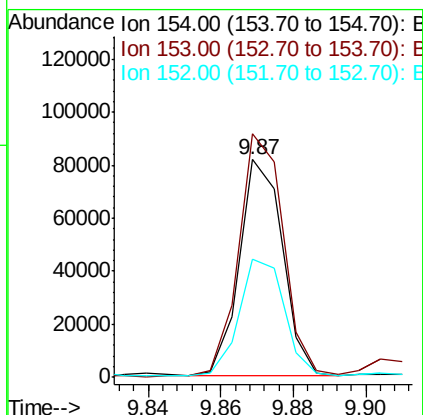
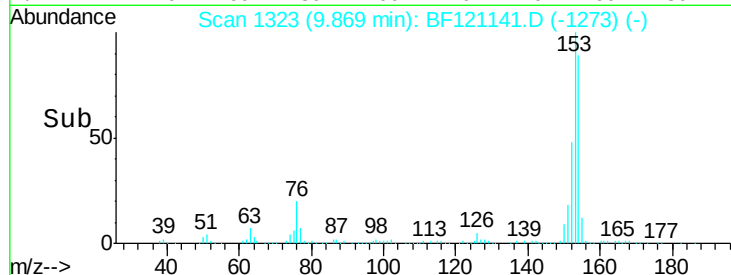
152 54.4 43.8 65.6

Manual Integrations

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#55

Dibenzofuran

Concen: 2.522 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF121141.D

Acq: 30 Jul 2020 21:52

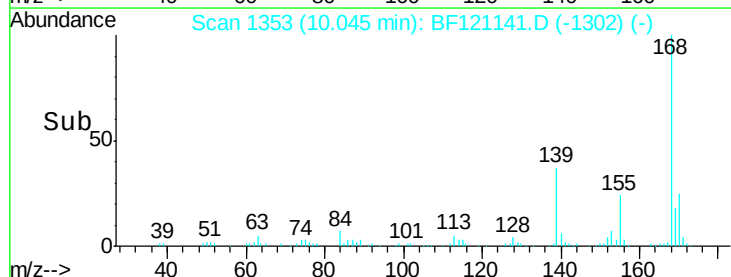
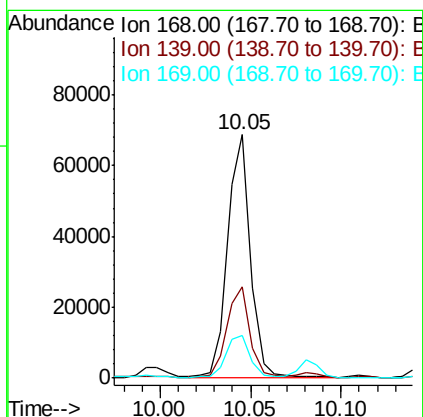
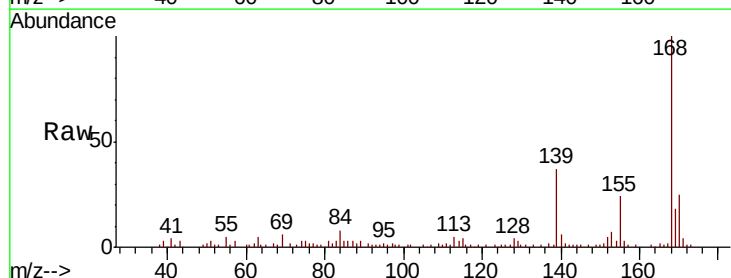
Tgt Ion:168 Resp: 60690

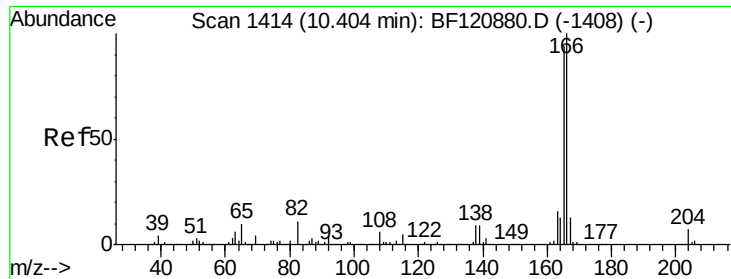
Ion Ratio Lower Upper

168 100

139 37.5 30.1 45.1

169 17.7 11.3 16.9#





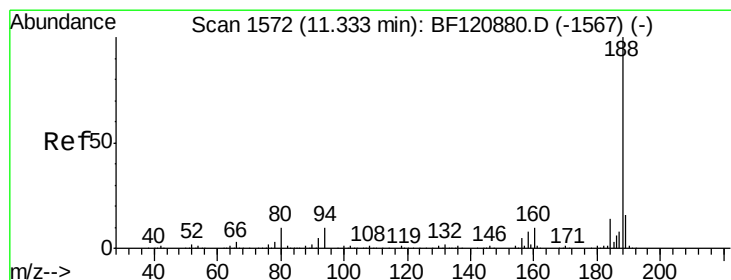
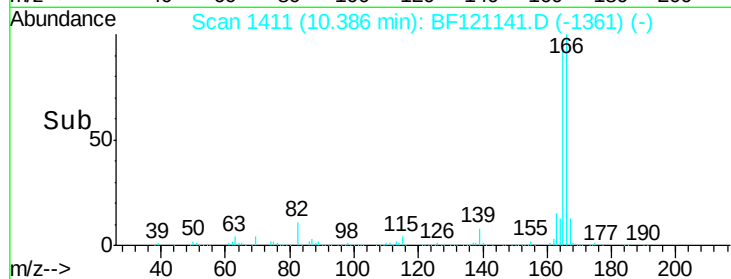
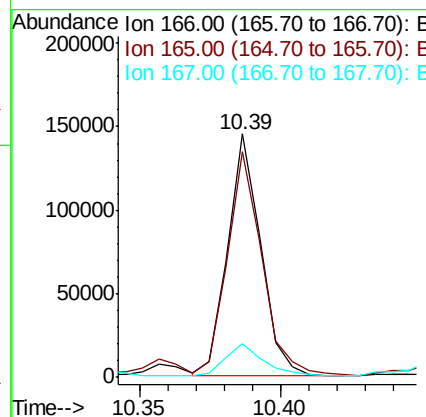
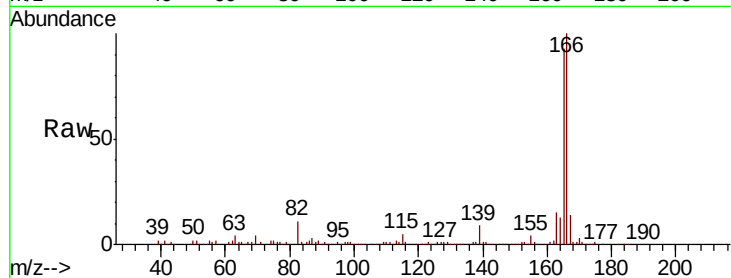
#58
 Fluorene
 Concen: 6.577 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF121141.D
 Acq: 30 Jul 2020 21:52

Instrument :
 BNA_F
 ClientSampled :
 11

Tot Ion	Ratio	Lower	Upper
166	100		
165	92.8	76.4	114.6
167	14.1	10.7	16.1

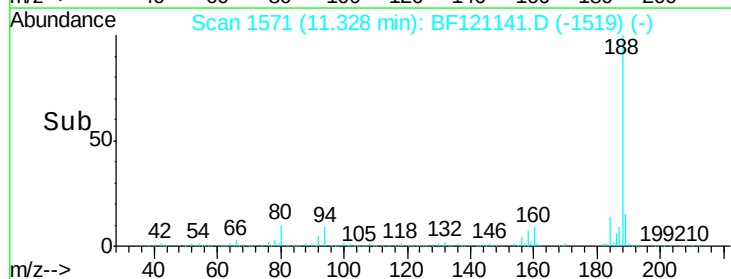
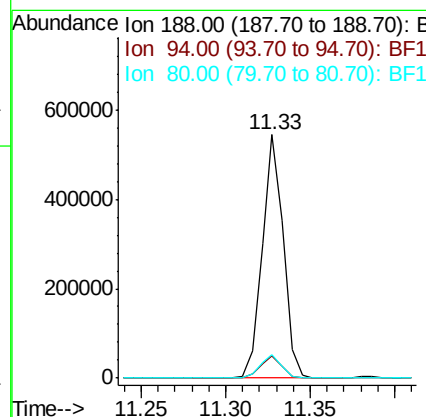
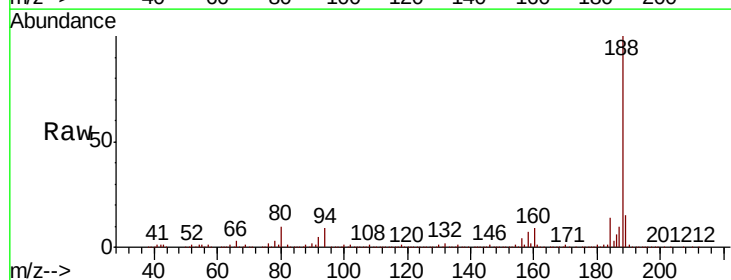
Manual Integrations
 APPROVED

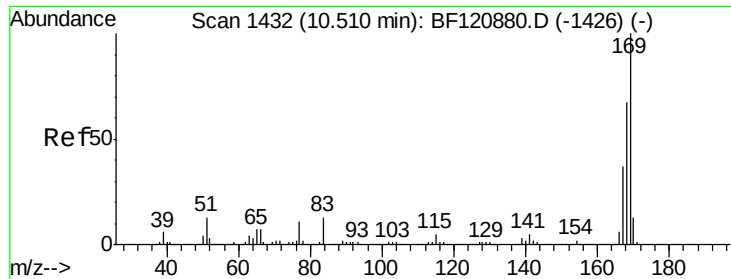
Sohil
 7/31/2020 12:12:01 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: BF121141.D
 Acq: 30 Jul 2020 21:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.0	12.0
80	9.6	8.3	12.5





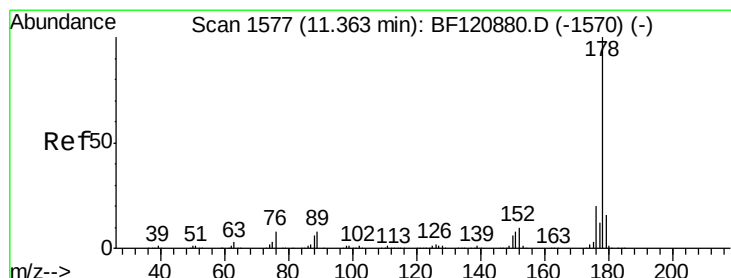
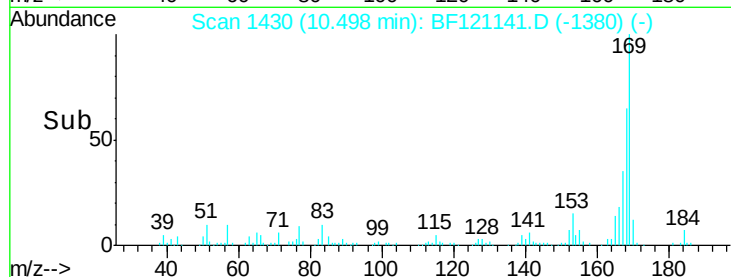
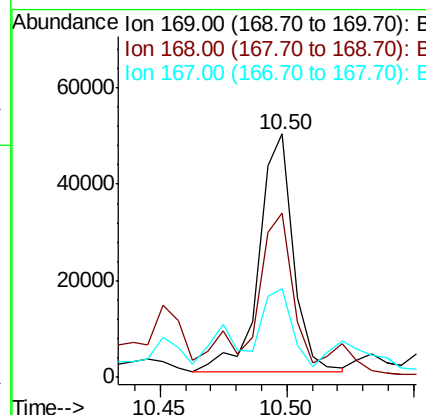
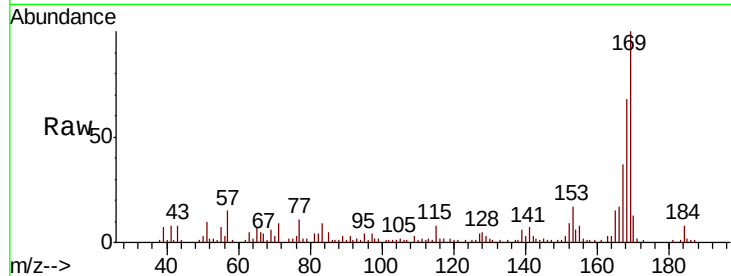
#66
 n-Nitrosodiphenylamine
 Concen: 3.108 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: BF121141.D
 Acq: 30 Jul 2020 21:52

Instrument :
 BNA_F
 ClientSampleId :
 11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
169	100		46289		
168	67.6	53.7		80.5	
167	36.6	30.0		45.0	

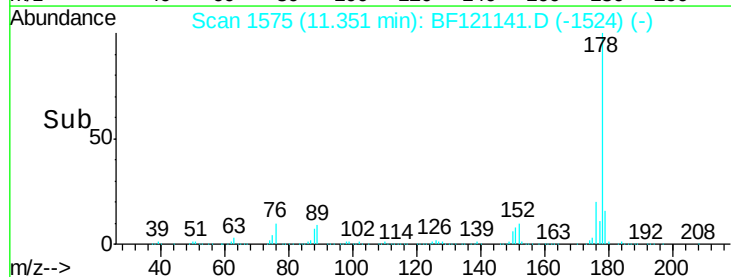
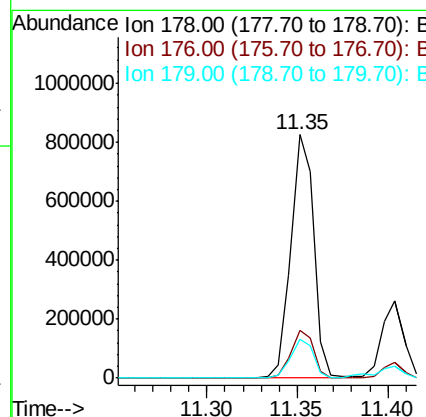
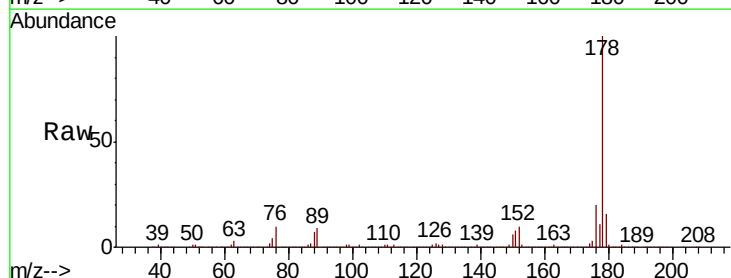
Manual Integrations
 APPROVED

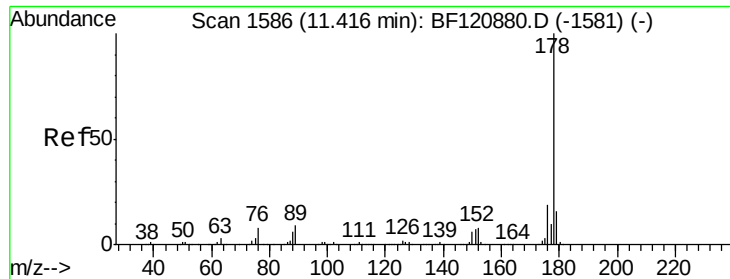
Sohil
 7/31/2020 12:12:01 PM



#71
 Phenanthrene
 Concen: 29.854 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF121141.D
 Acq: 30 Jul 2020 21:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		726833		
176	19.6	16.2		24.2	
179	15.9	12.6		19.0	





#72

Anthracene

Concen: 8.746 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF121141.D

Acq: 30 Jul 2020 21:52

Instrument :

BNA_F

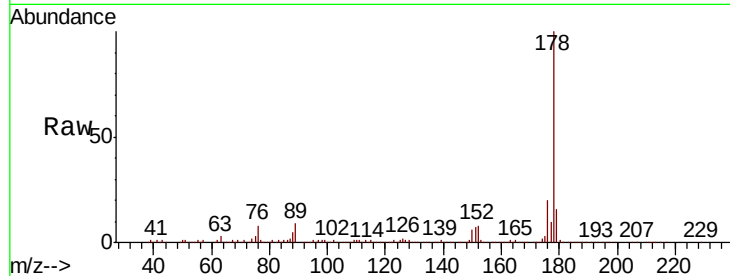
ClientSampled :

11

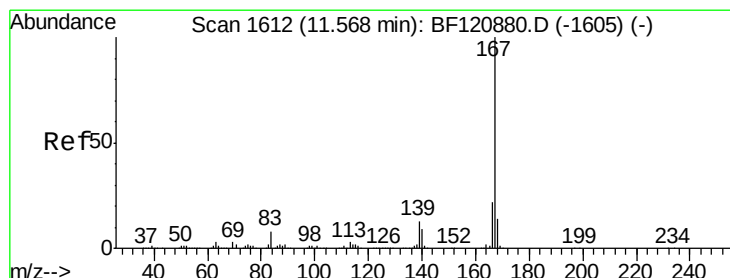
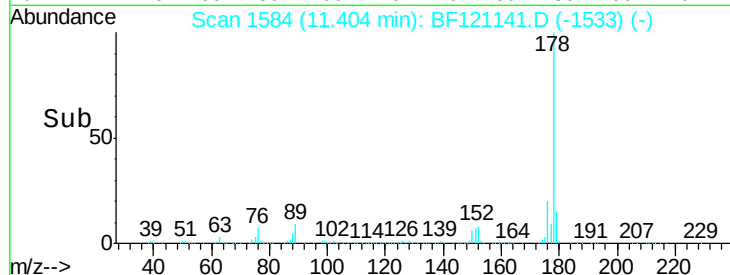
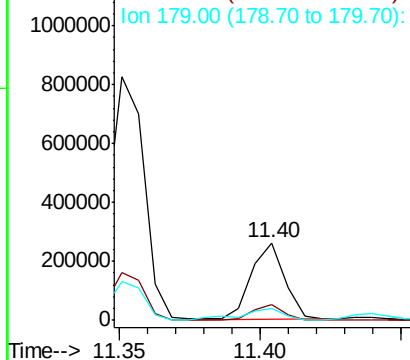
Tot Ion:	178	Resp:	213817
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.8
179	15.6	12.6	19.0

Manual Integrations
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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: 2.412 ng

RT: 11.56 min Scan# 1610

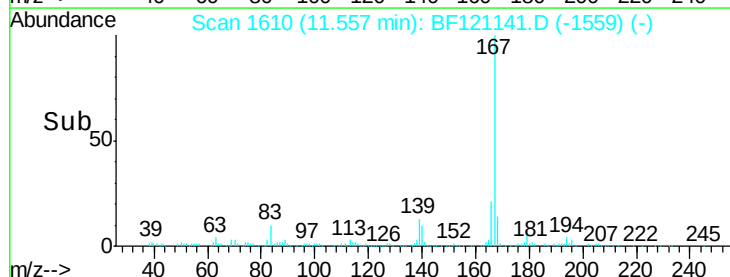
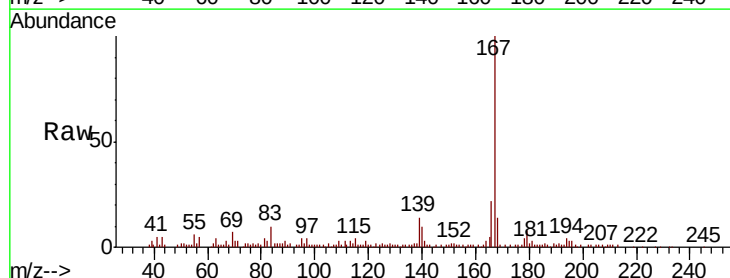
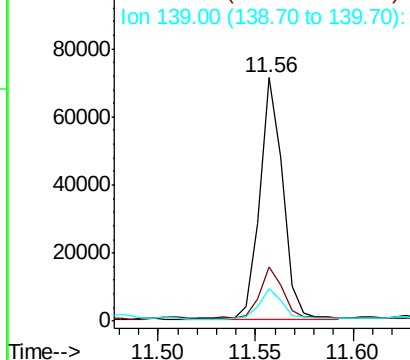
Delta R.T. 0.00 min

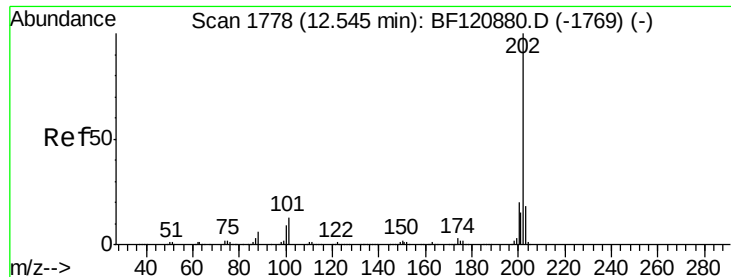
Lab File: BF121141.D

Acq: 30 Jul 2020 21:52

Tgt Ion:	167	Resp:	58515
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.5	26.3
139	13.6	10.5	15.7

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: 26.065 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF121141.D

Acq: 30 Jul 2020 21:52

Instrument :

BNA_F

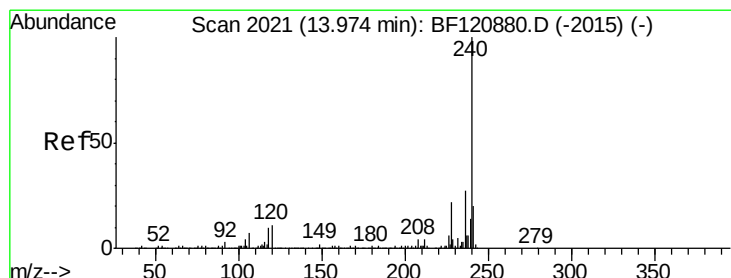
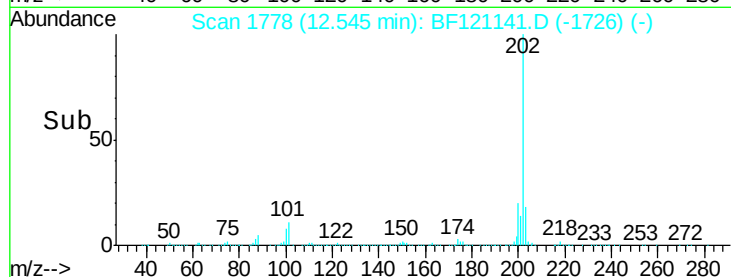
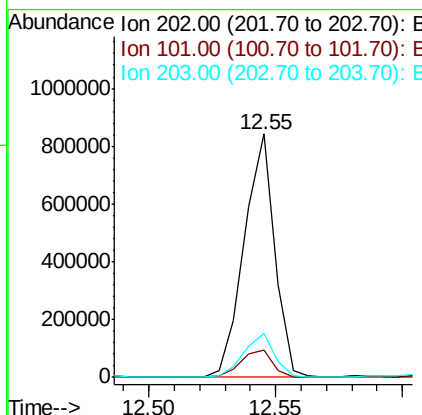
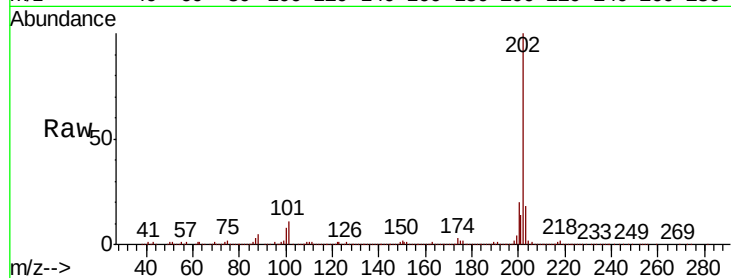
ClientSampled :

11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		703401		
101	11.2	0.0	30.5		
203	18.0	0.0	37.7		

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

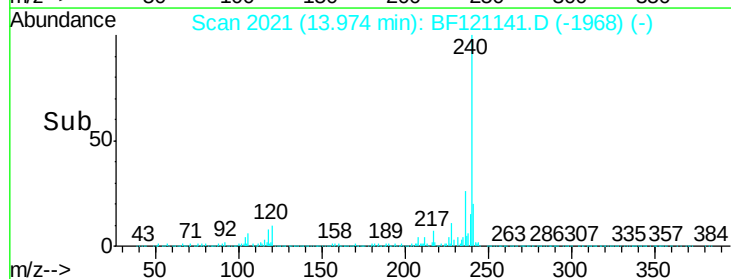
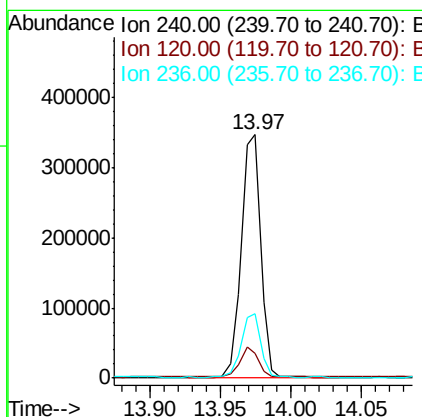
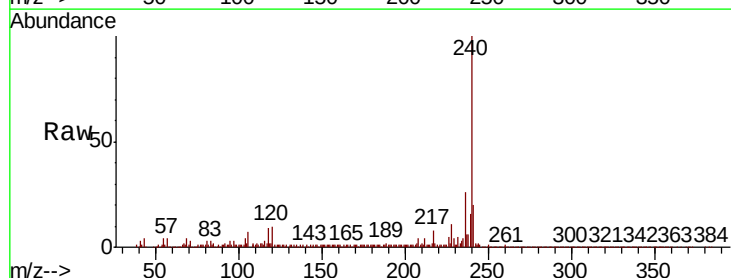
RT: 13.97 min Scan# 2021

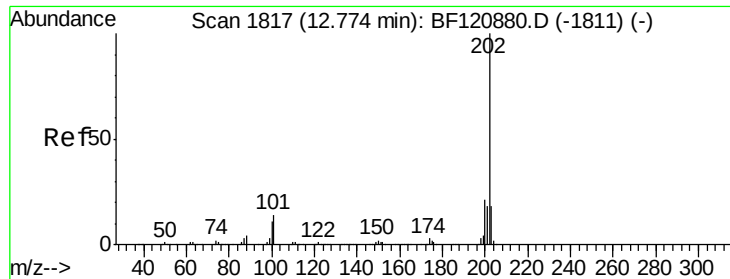
Delta R.T. 0.01 min

Lab File: BF121141.D

Acq: 30 Jul 2020 21:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		331427		
120	10.2	9.3	13.9		
236	26.2	21.1	31.7		





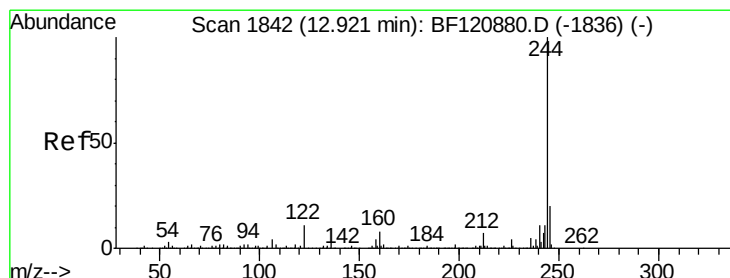
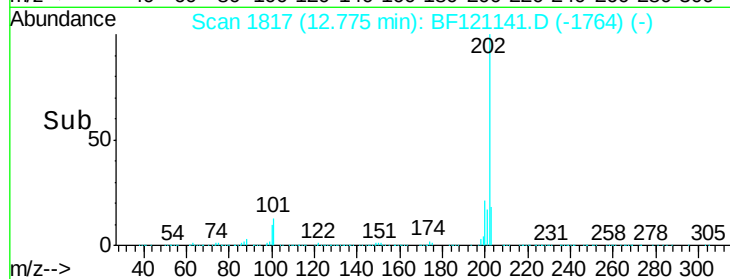
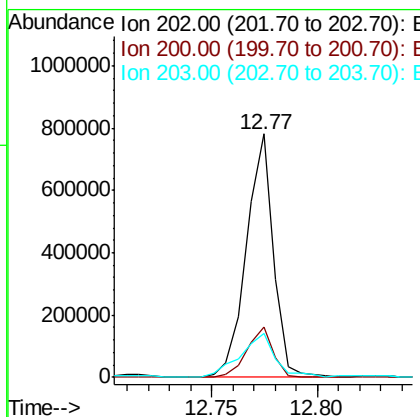
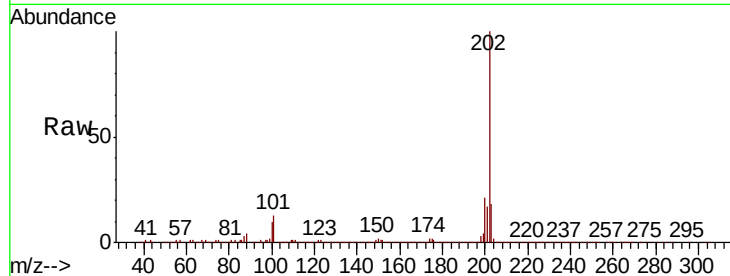
#78
Pvrene
Concen: 29.307 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Instrument :
BNA_F
ClientSampled :
11

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.6
203	18.0	14.6	21.8

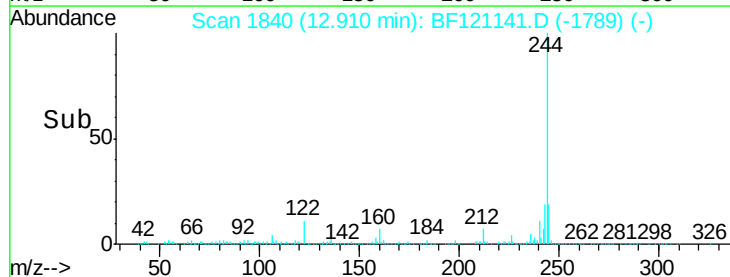
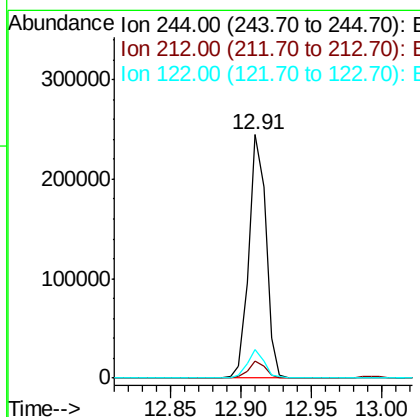
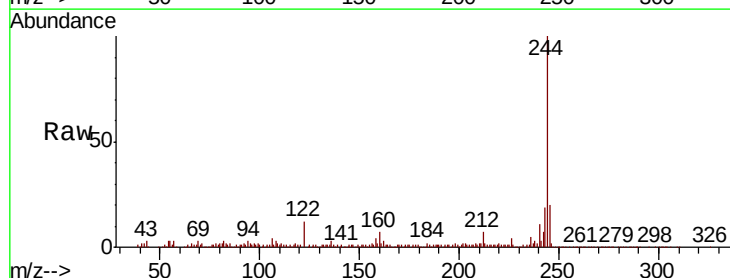
Manual Integrations
APPROVED

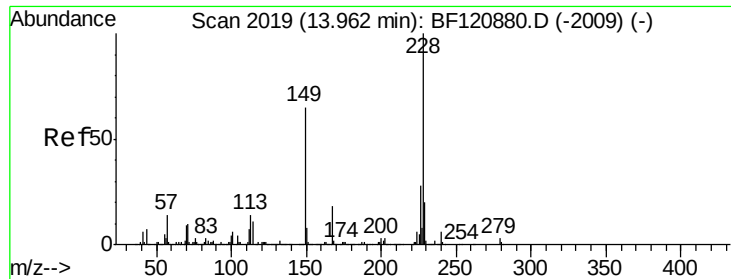
Sohil
7/31/2020 12:12:01 PM



#79
Terphenyl-d14
Concen: 13.640 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.00 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.5	8.3	12.5





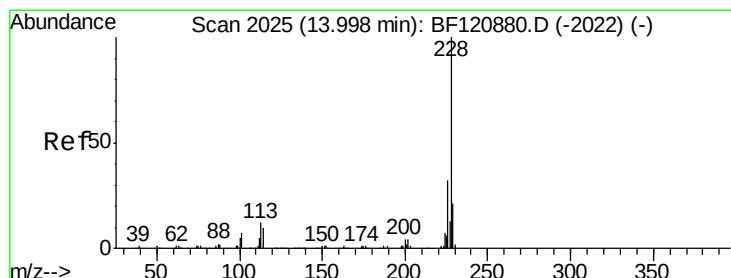
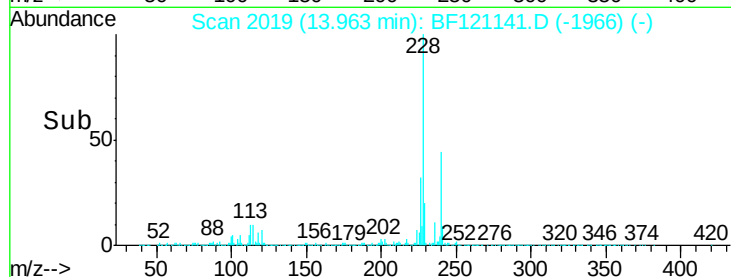
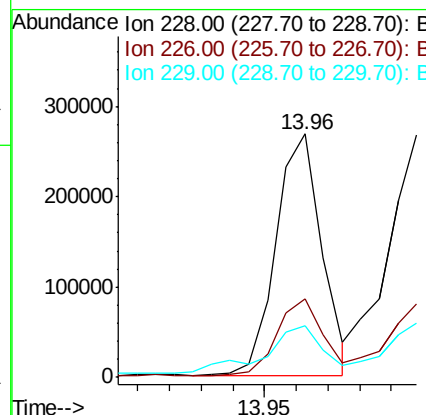
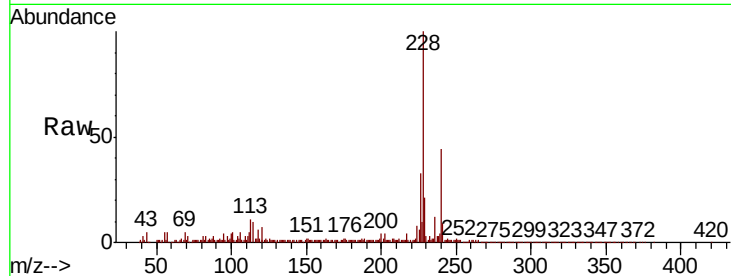
#81
Benzo(a)anthracene
Concen: 13.445 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Instrument :
BNA_F
ClientSampled :
11

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.6	34.0
229	21.1	16.1	24.1

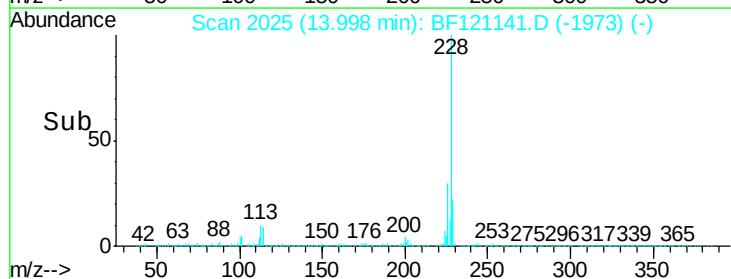
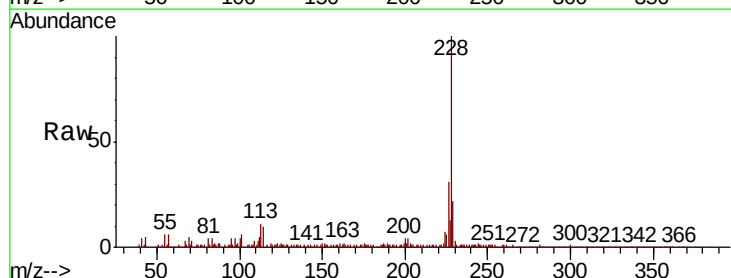
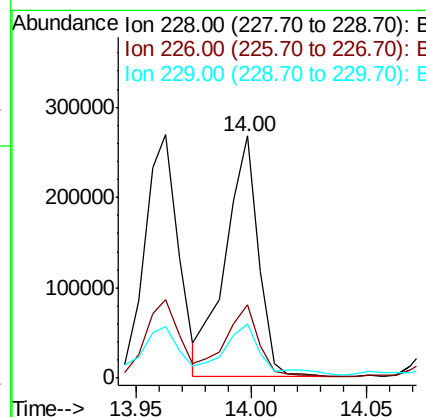
Manual Integrations
APPROVED

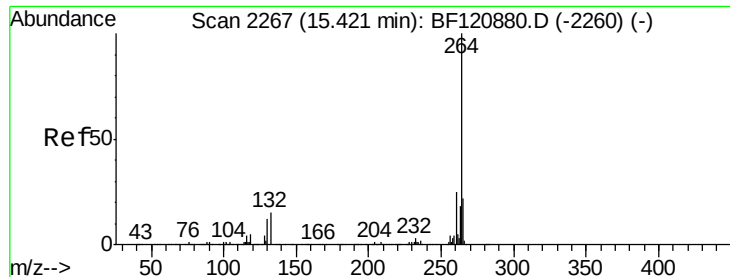
Sohil
7/31/2020 12:12:01 PM



#83
Chrysene
Concen: 12.453 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.4	38.0
229	22.4	16.2	24.4





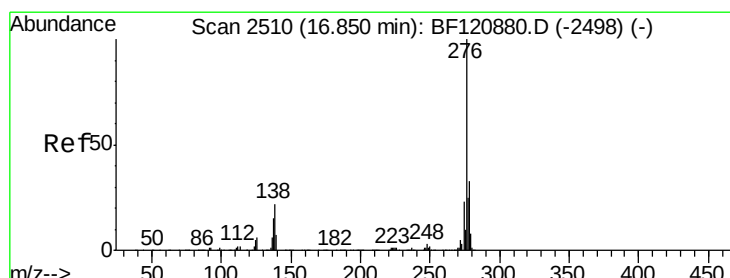
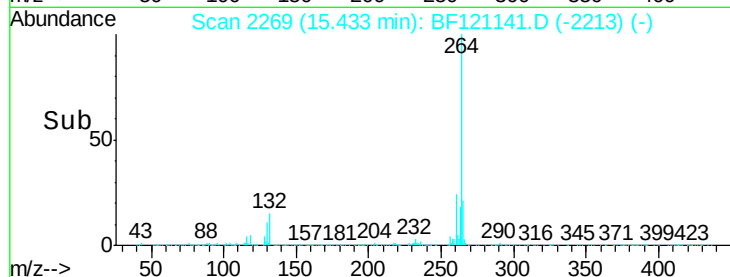
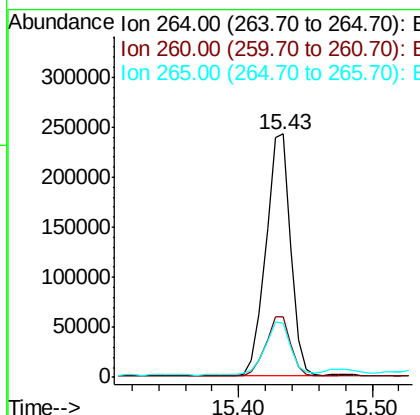
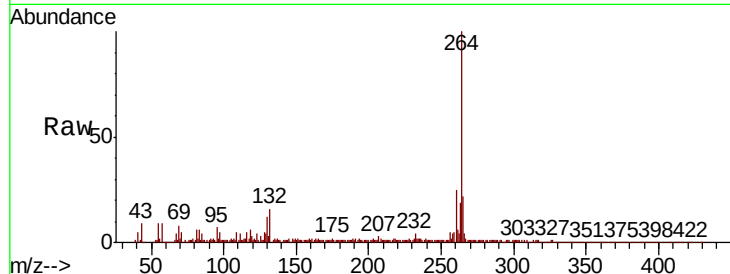
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.03 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Instrument :
BNA_F
ClientSampled :
11

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.9	29.9
265	22.0	17.8	26.8

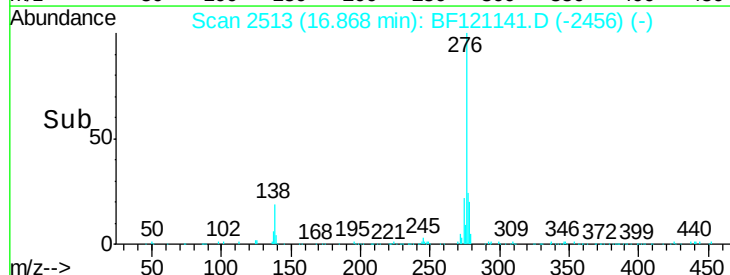
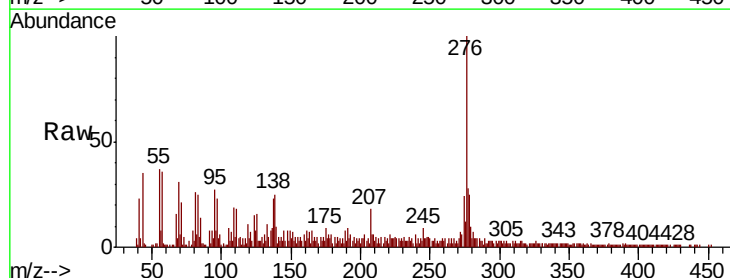
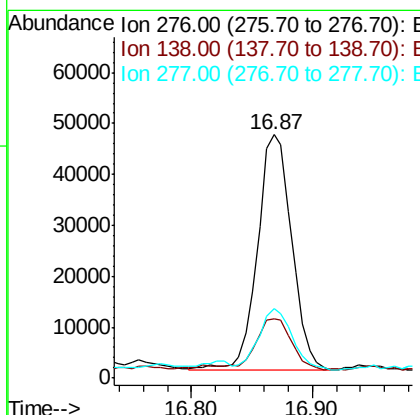
Manual Integrations
APPROVED

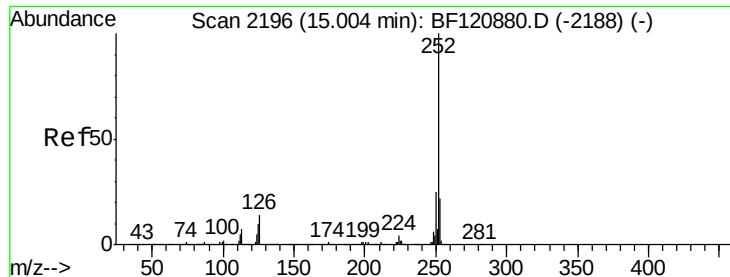
Sohil
7/31/2020 12:12:01 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.155 ng
RT: 16.87 min Scan# 2513
Delta R.T. 0.04 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	19.3	28.9
277	25.6	20.1	30.1





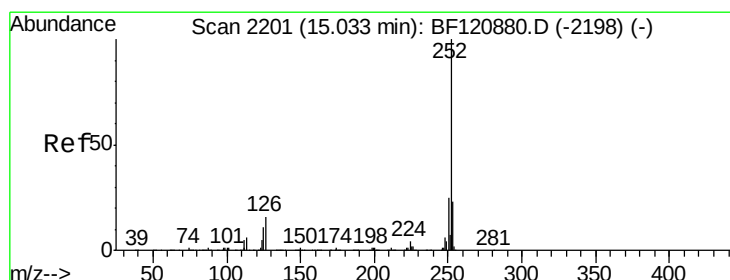
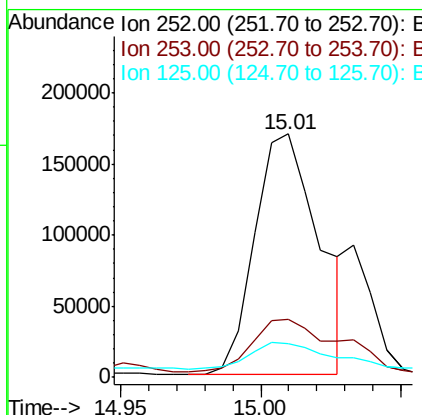
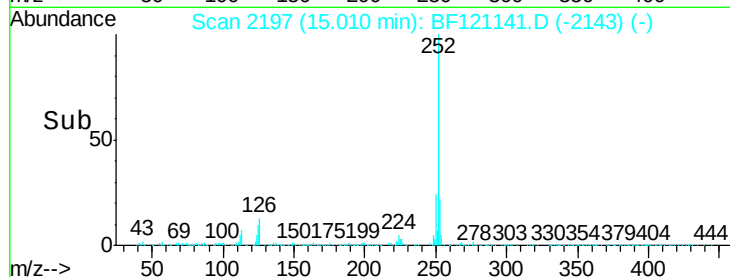
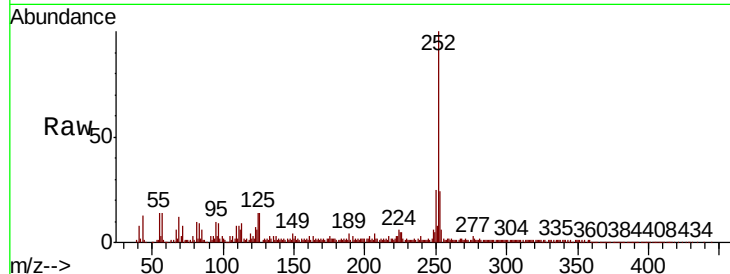
#88
Benzo(b)fluoranthene
Concen: 14.276 ng m
RT: 15.01 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Instrument :
BNA_F
ClientSampled :
11

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	13.9	8.1	12.1

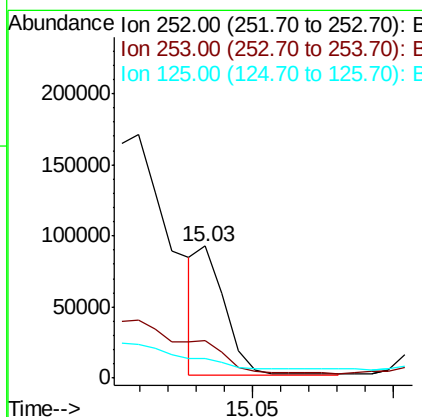
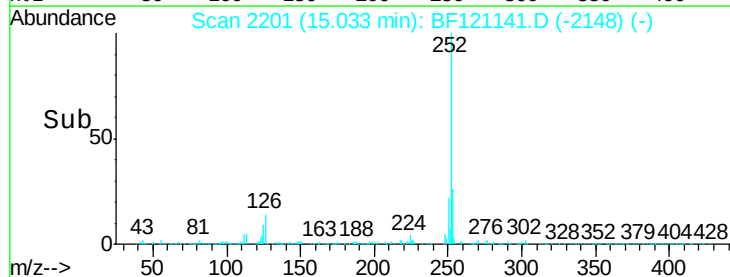
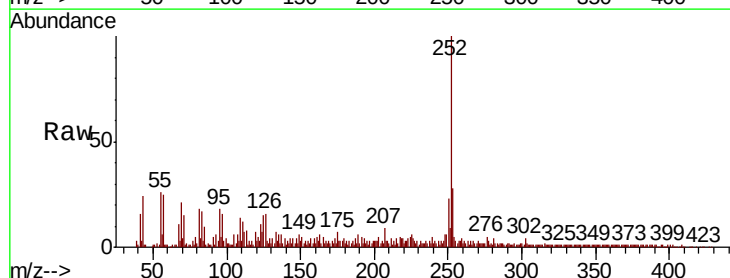
Manual Integrations
APPROVED

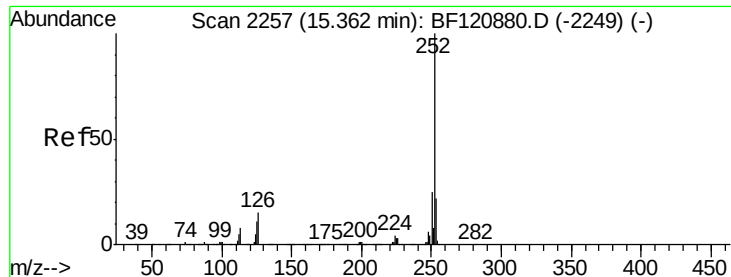
Sohil
7/31/2020 12:12:01 PM



#89
Benzo(k)fluoranthene
Concen: 3.447 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	18.1	27.1
125	15.3	8.0	12.0





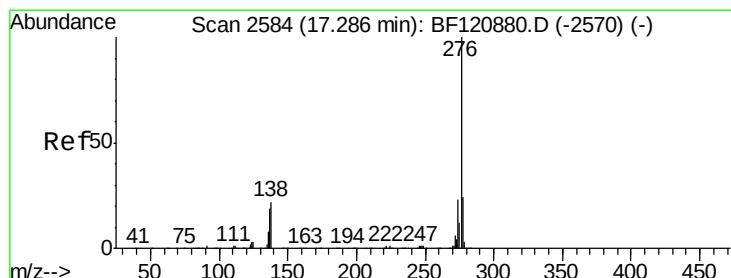
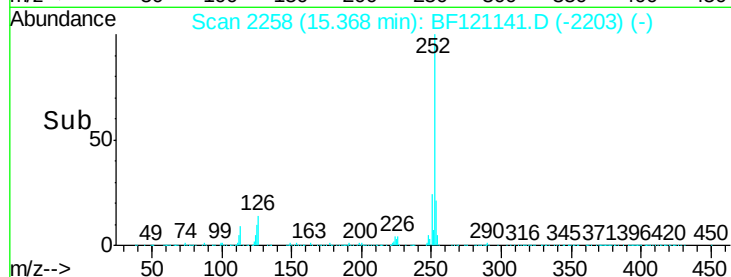
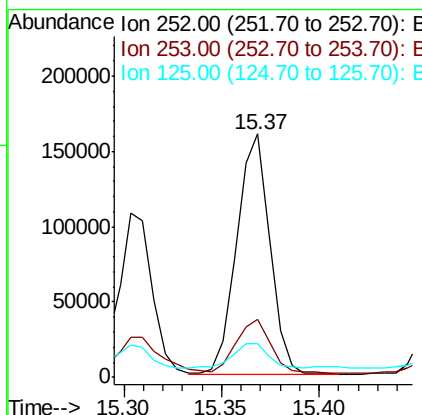
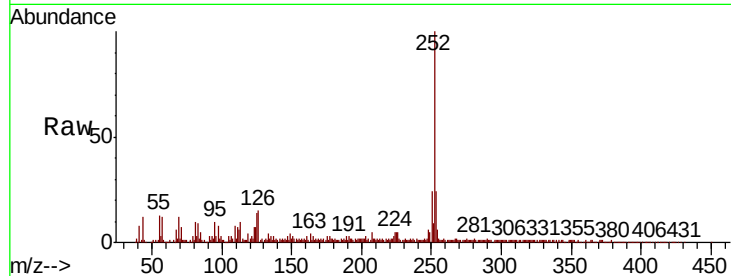
#90
Benzo(a)pyrene
Concen: 10.869 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.02 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Instrument :
BNA_F
ClientSampled :
11

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	13.6	9.5	14.3

Manual Integrations
APPROVED

Sohil
7/31/2020 12:12:01 PM



#92
Benzo(g,h,i)perylene
Concen: 4.896 ng
RT: 17.30 min Scan# 2587
Delta R.T. 0.04 min
Lab File: BF121141.D
Acq: 30 Jul 2020 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.4	29.0
138	25.9	17.2	25.8

