

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121142.D
 Acq On : 30 Jul 2020 22:23
 Operator : JU/CG
 Sample : L3436-21 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 21

Manual Integrations
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Sohil
 7/31/2020 12:12:02 PM

Quant Time: Jul 31 02:58:39 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	138898	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	530434	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	257744	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	437595	20.00	ng	0.00
76) Chrysene-d12	13.97	240	347893	20.00	ng	0.01
86) Perylene-d12	15.43	264	309257	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	142073	16.77	ng	0.00
7) Phenol-d6	6.43	99	180975	16.54	ng	-0.01
23) Nitrobenzene-d5	7.36	82	103767	11.32	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	40015	14.18	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	221863	12.85	ng	0.00
79) Terphenyl-d14	12.91	244	198638	12.41	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.70	152	58374	2.344	ng	98
58) Fluorene	10.39	166	45172	2.645	ng	99
71) Phenanthrene	11.35	178	276273	12.276	ng	99
72) Anthracene	11.40	178	98551	4.361	ng	100
75) Fluoranthene	12.54	202	407589	16.339	ng	100
78) Pyrene	12.77	202	411324	16.723	ng	98
81) Benzo(a)anthracene	13.96	228	178398	8.468	ng	93
83) Chrysene	14.00	228	177347	8.011	ng	97
87) Indeno(1,2,3-cd)pyrene	16.87	276	65479	3.044	ng	98
88) Benzo(b)fluoranthene	15.01	252	198651m	10.627	ng	
89) Benzo(k)fluoranthene	15.03	252	44550m	2.613	ng	
90) Benzo(a)pyrene	15.37	252	130601	7.658	ng	# 94
92) Benzo(a,h,i)perylene	17.31	276	60090	3.469	ng	92

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

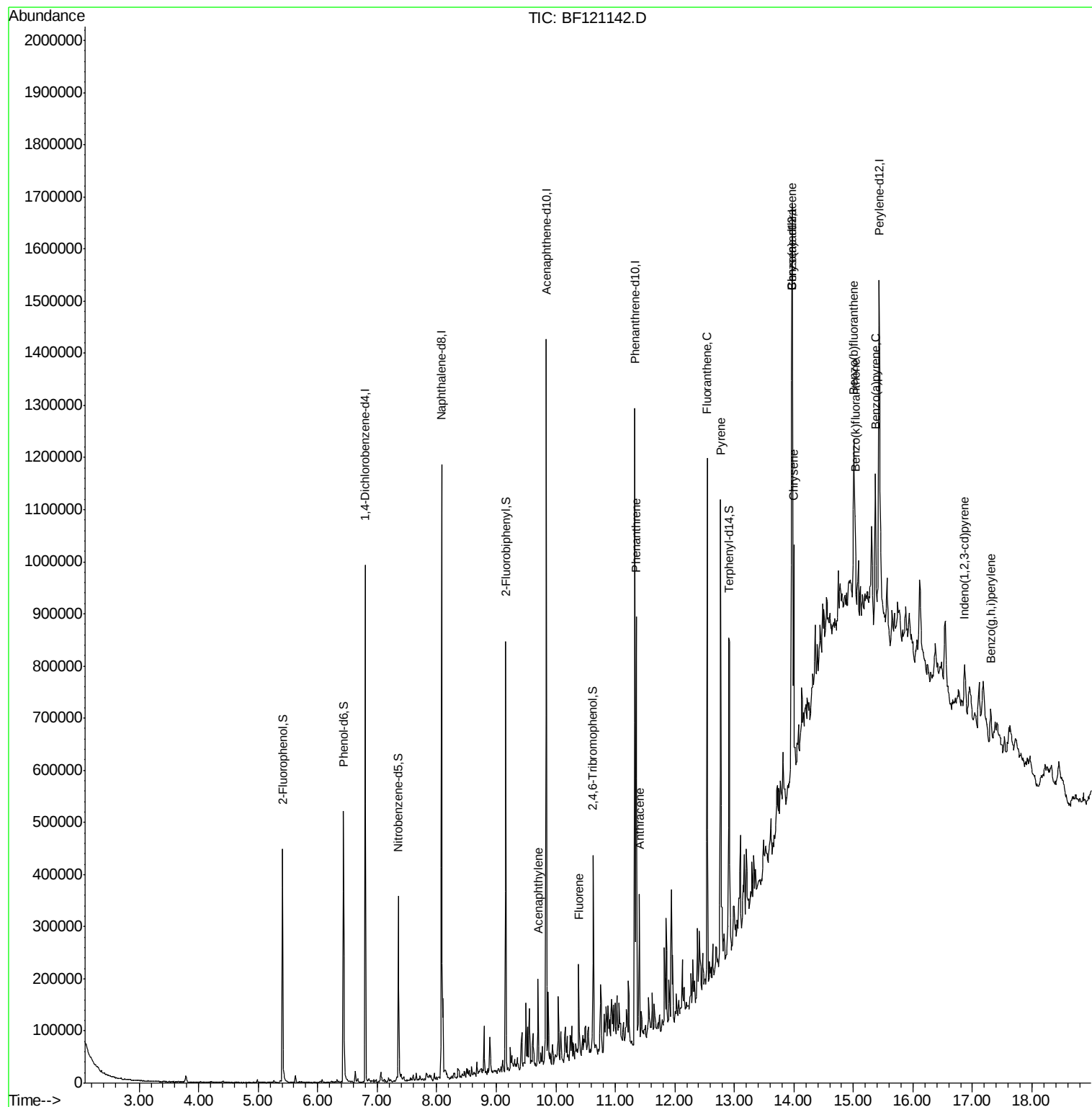
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121142.D
Acq On : 30 Jul 2020 22:23
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Sample : L3436-21 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

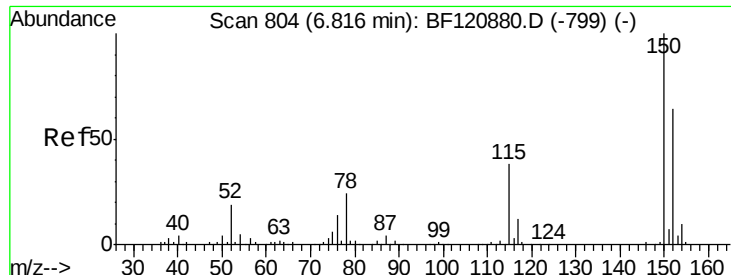
Instrument :
BNA_F
ClientSampled :
21

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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

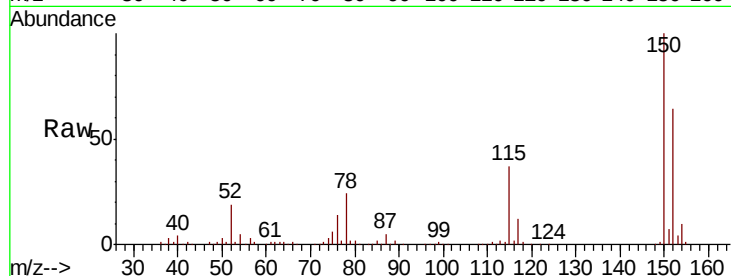
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF121142.D
Acq: 30 Jul 2020 22:23

Instrument :
BNA_F
ClientSampled :
21

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.6	188.4
115	57.8	46.2	69.2

Manual Integrations
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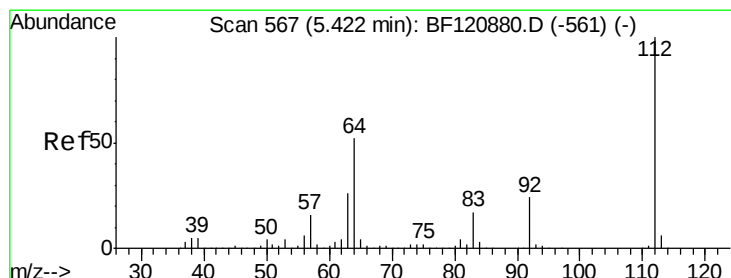
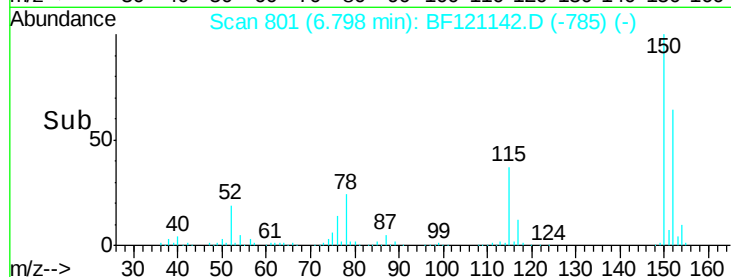
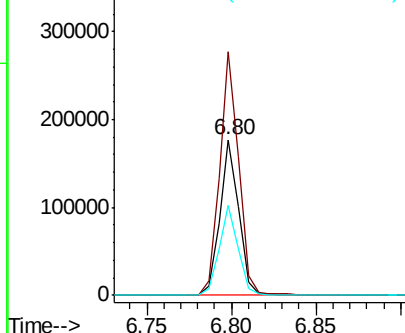


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

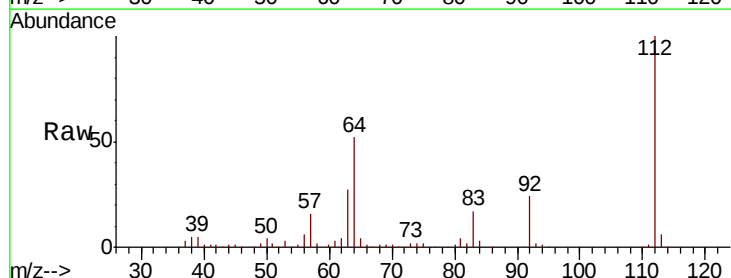
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 16.768 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF121142.D
Acq: 30 Jul 2020 22:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	43.9	65.9
63	26.8	22.7	34.1

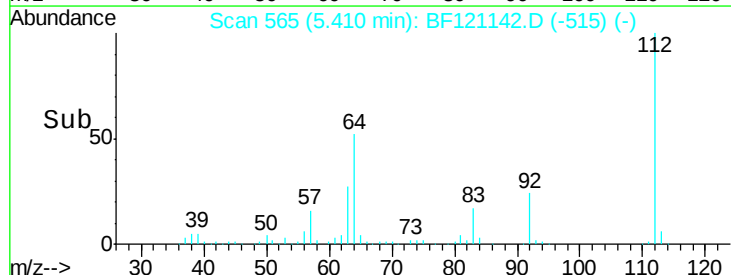
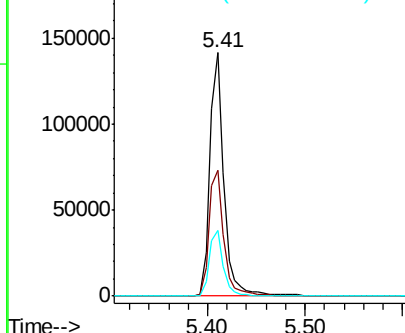


Abundance

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: 16.536 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121142.D

Acq: 30 Jul 2020 22:23

Instrument :

BNA_F

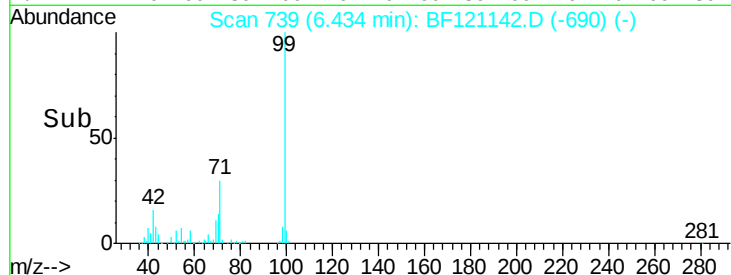
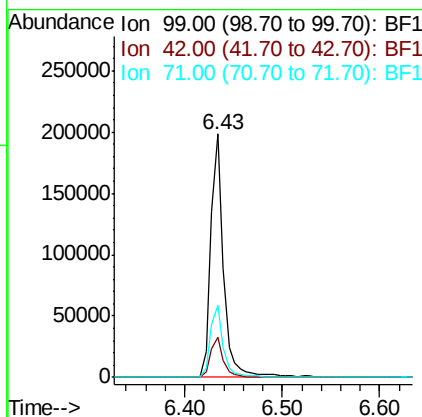
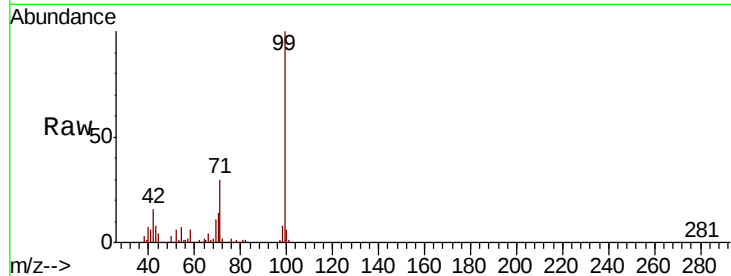
ClientSampled :

21

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		180975		
42	16.3	13.5	20.3		
71	29.8	25.0	37.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

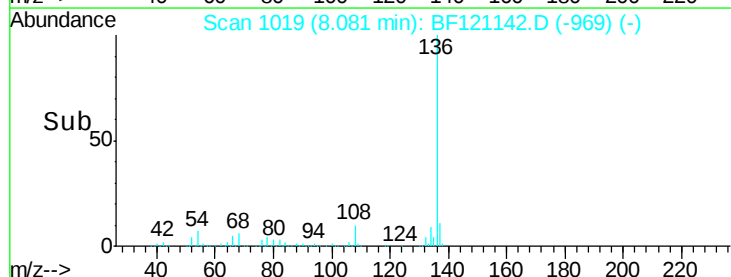
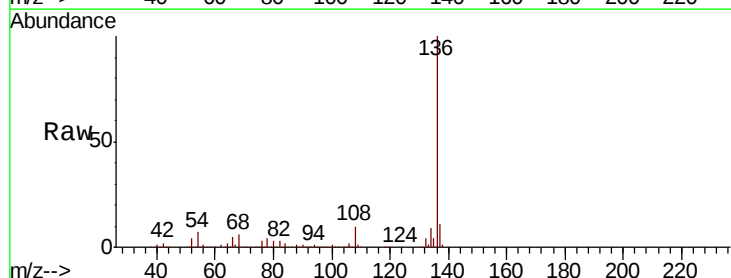
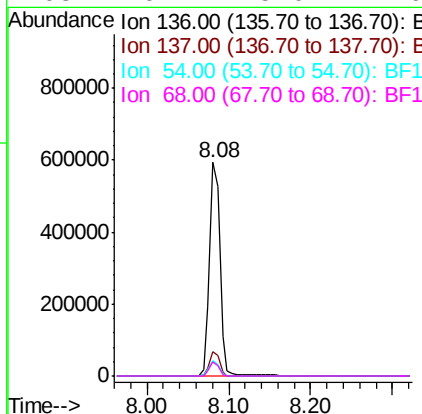
RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF121142.D

Acq: 30 Jul 2020 22:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		530434		
137	11.2	9.0	13.4		
54	7.4	6.1	9.1		
68	6.4	5.0	7.6		





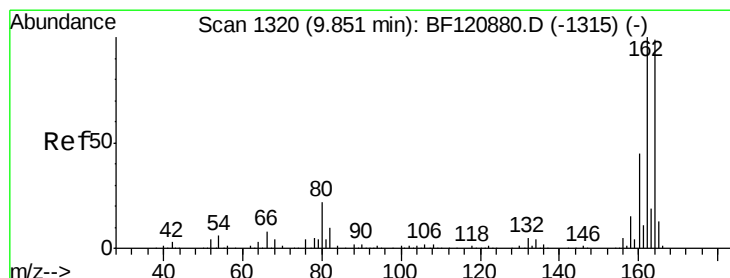
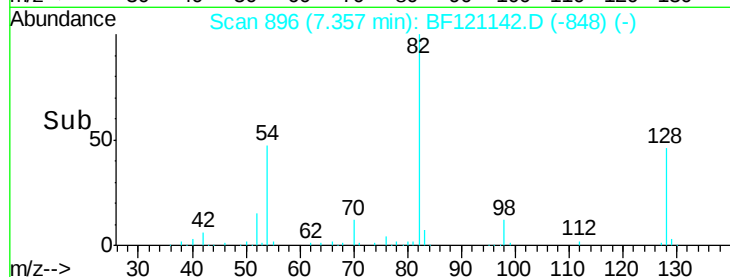
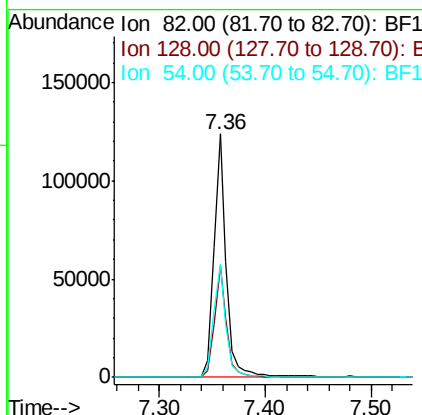
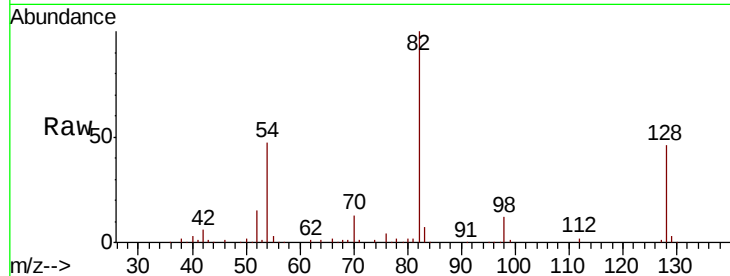
#23
Nitrobenzene-d5
Concen: 11.320 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF121142.D
Acq: 30 Jul 2020 22:23

Instrument :
BNA_F
ClientSampled :
21

Tot Ion	82	Resp	103767
Ion Ratio	100	Lower	Upper
128	46.2	39.2	58.8
54	46.7	37.8	56.8

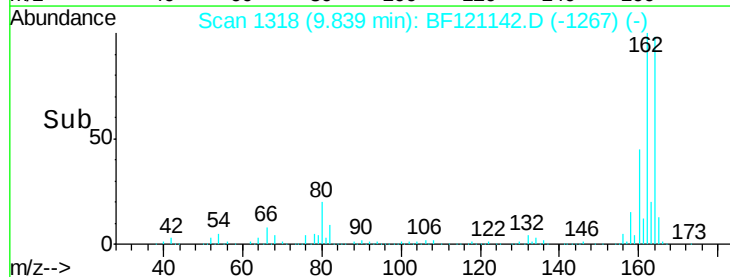
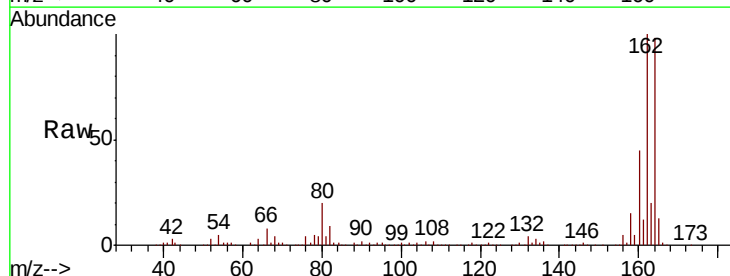
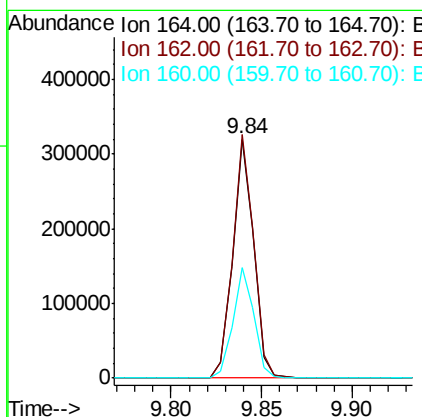
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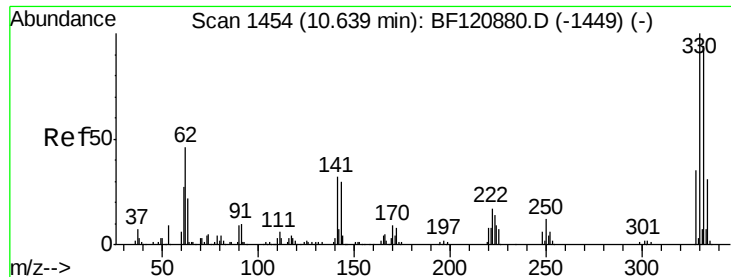
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF121142.D
Acq: 30 Jul 2020 22:23

Tgt Ion	164	Resp	257744
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	101.9	82.2	123.2
160	46.1	37.2	55.8





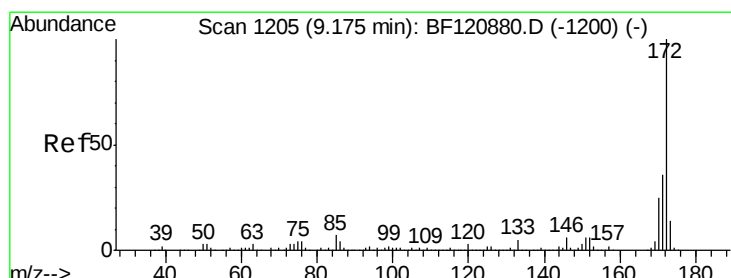
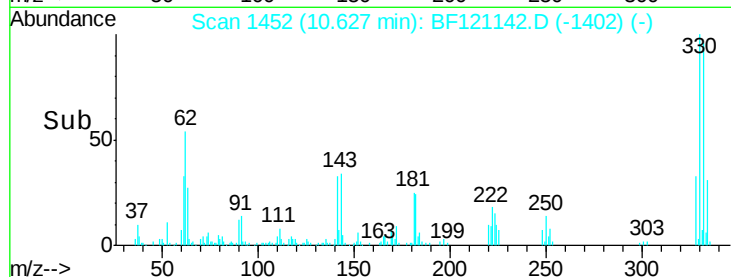
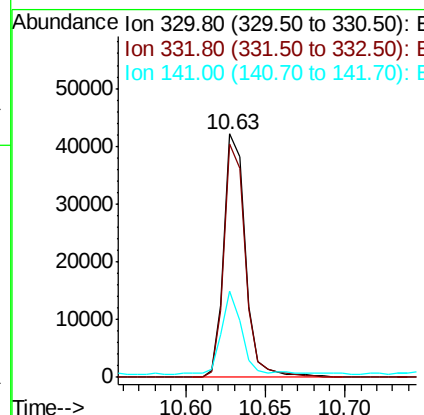
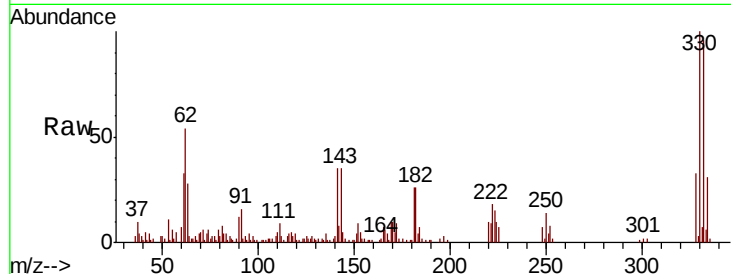
#42
 2,4,6-Tribromophenol
 Concen: 14.183 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF121142.D
 Acq: 30 Jul 2020 22:23

Instrument :
 BNA_F
 ClientSampled :
 21

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.1	114.1
141	31.7	24.1	36.1

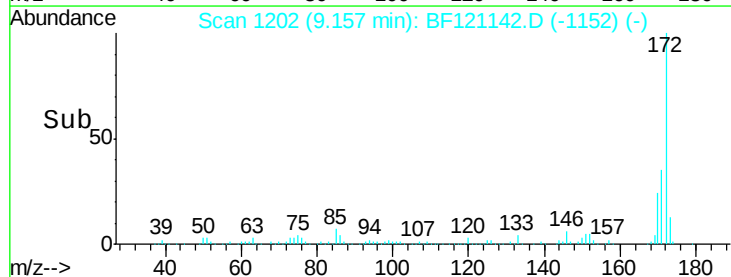
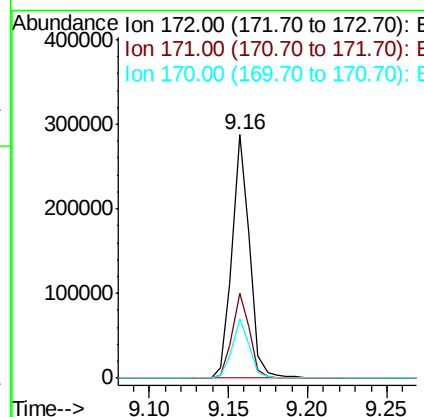
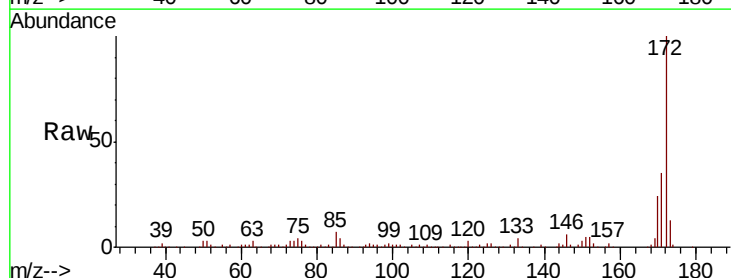
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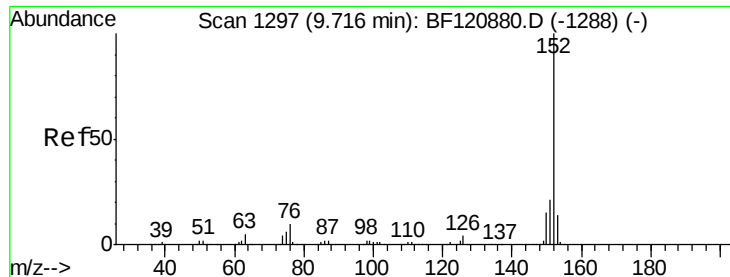
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#45
 2-Fluorobiphenyl
 Concen: 12.852 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121142.D
 Acq: 30 Jul 2020 22:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.0	43.4
170	24.4	19.6	29.4





#49

Acenaphthylene

Concen: 2.344 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF121142.D

Acq: 30 Jul 2020 22:23

Instrument :

BNA_F

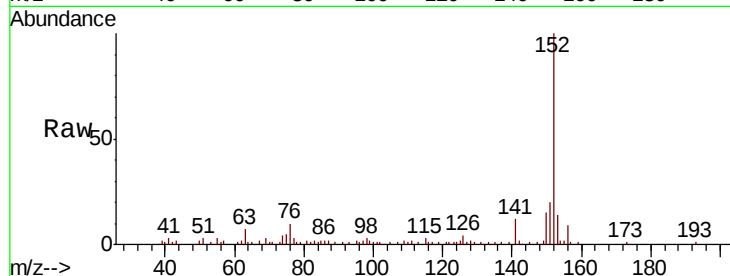
ClientSampleId :

21

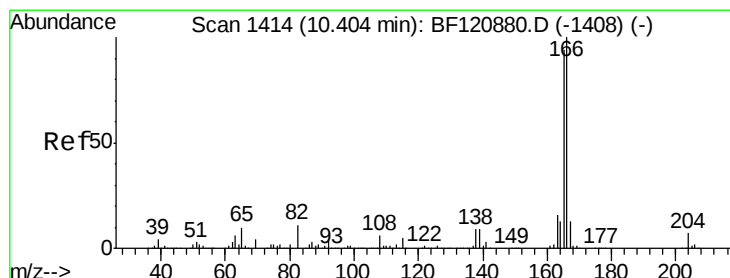
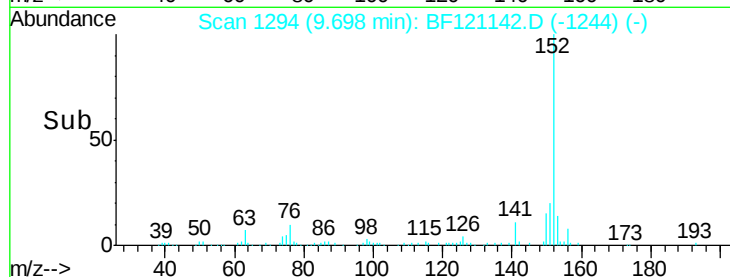
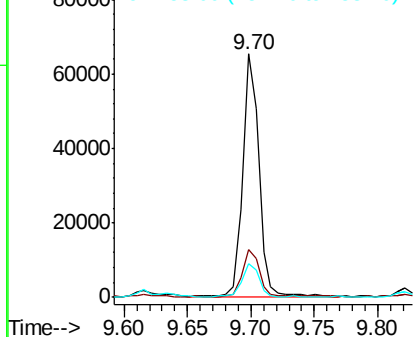
Tot Ion:	152	Resp:	58374
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.6	25.0
153	14.0	11.0	16.4

Manual Integrations
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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



#58

Fluorene

Concen: 2.645 ng

RT: 10.39 min Scan# 1411

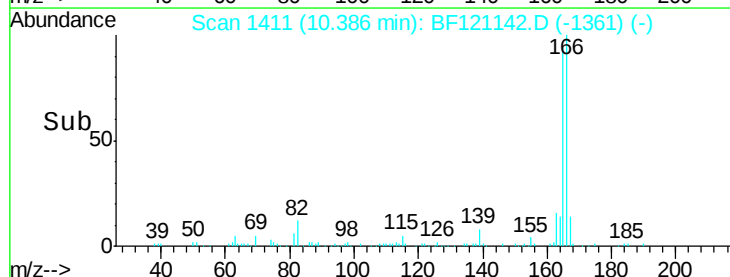
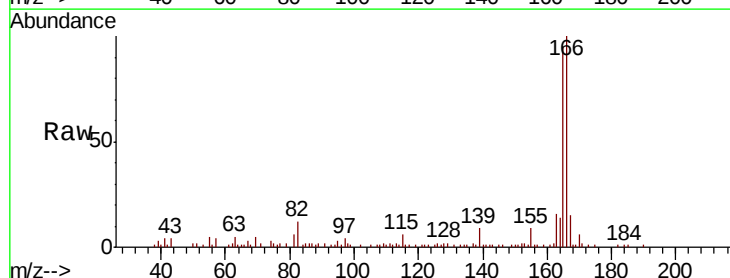
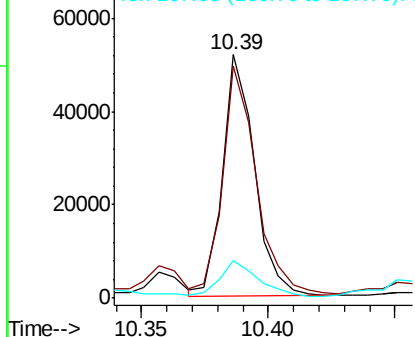
Delta R.T. -0.01 min

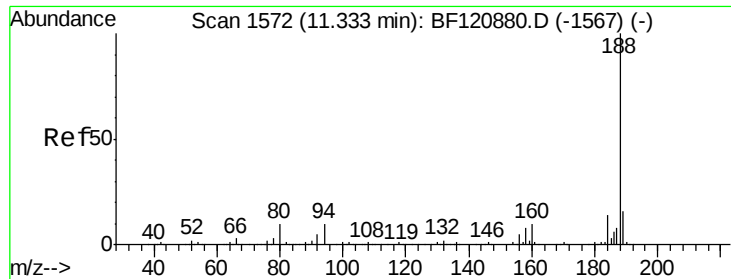
Lab File: BF121142.D

Acq: 30 Jul 2020 22:23

Tgt Ion:	166	Resp:	45172
Ion Ratio	Lower	Upper	
166	100		
165	95.5	76.4	114.6
167	15.2	10.7	16.1

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





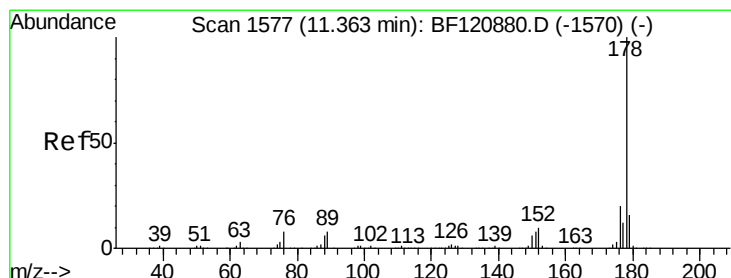
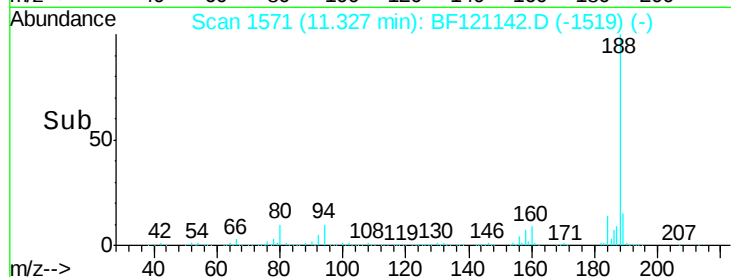
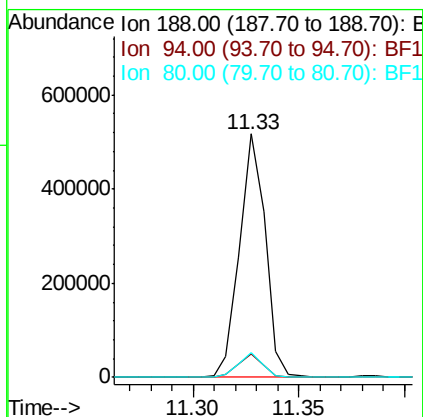
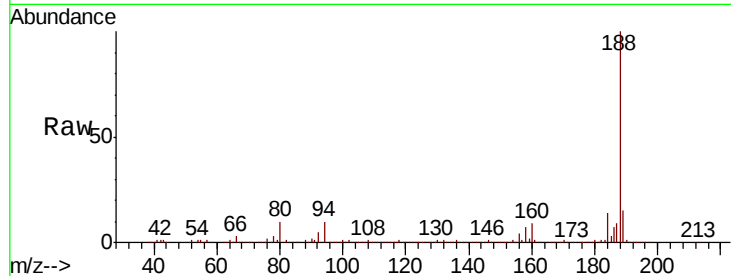
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF121142.D
Acq: 30 Jul 2020 22:23

Instrument :
BNA_F
ClientSampleId :
21

Tot Ion	Ratio	Resp	Lower	Upper
188	100	437595		
94	9.8		8.0	12.0
80	10.2		8.3	12.5

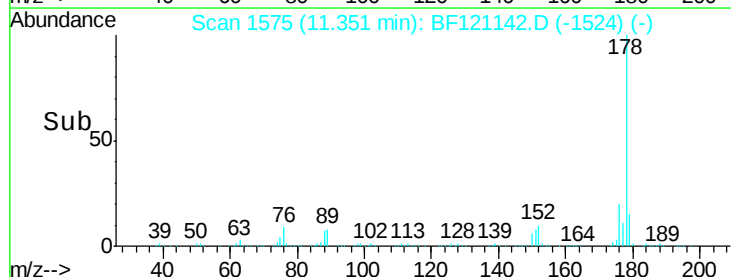
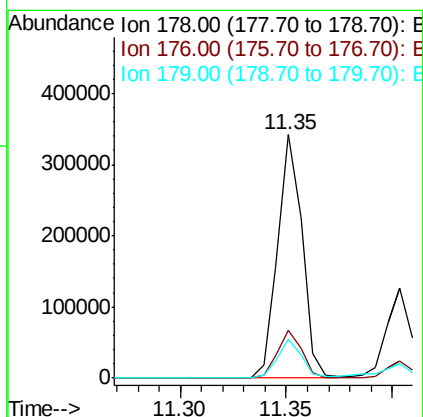
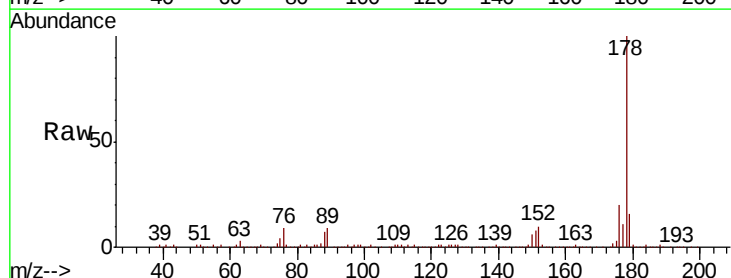
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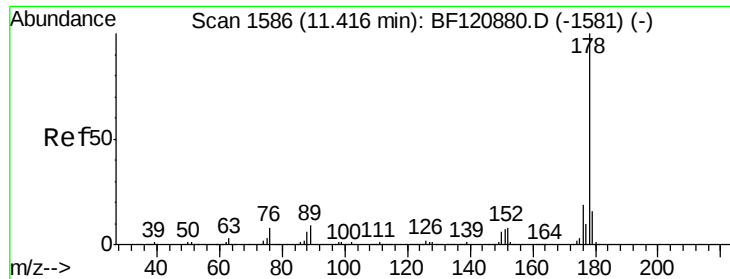
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#71
Phenanthrene
Concen: 12.276 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF121142.D
Acq: 30 Jul 2020 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	276273		
176	19.8		16.2	24.2
179	15.9		12.6	19.0





#72

Anthracene

Concen: 4.361 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BF121142.D

Acq: 30 Jul 2020 22:23

Instrument :

BNA_F

ClientSampled :

21

Tot Ion:178 Resp: 98551

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

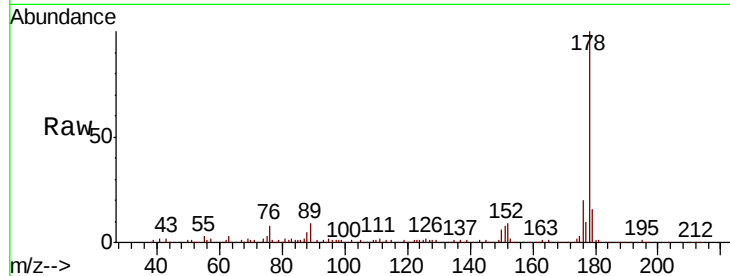
179 16.0 12.6 19.0

Manual Integrations

APPROVED

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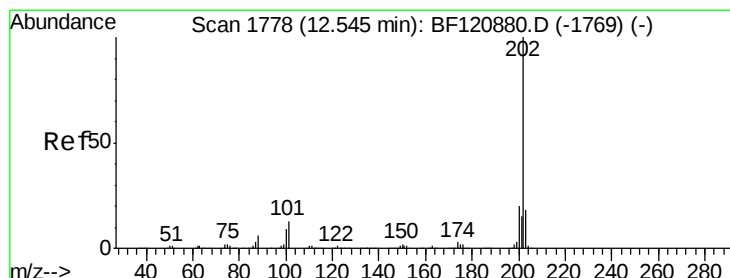
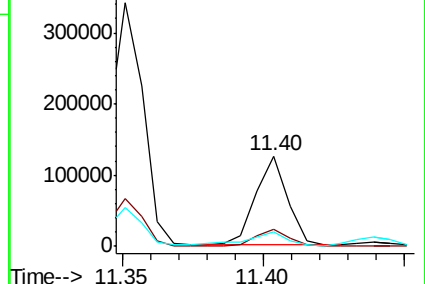
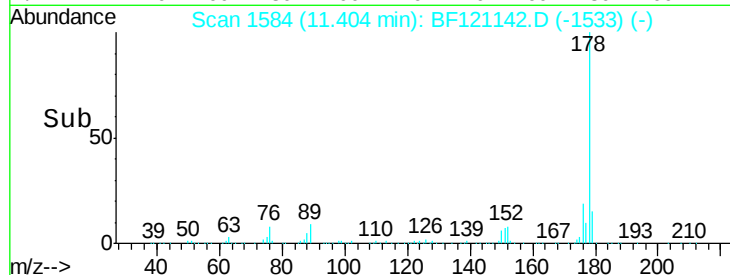
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 16.339 ng

RT: 12.54 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF121142.D

Acq: 30 Jul 2020 22:23

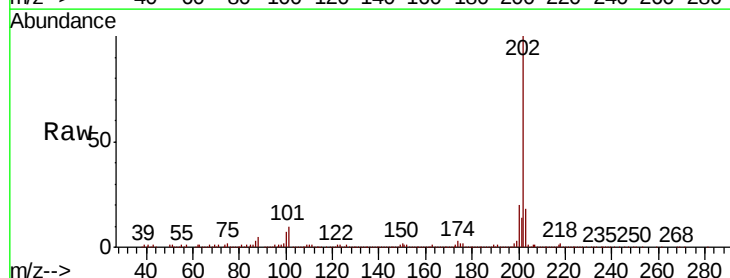
Tgt Ion:202 Resp: 407589

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.5

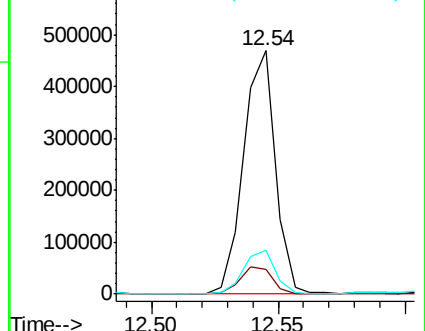
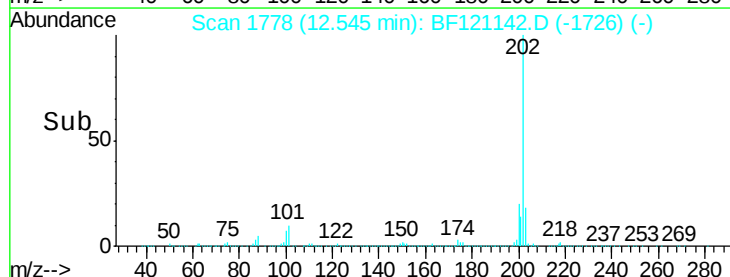
203 17.8 0.0 37.7

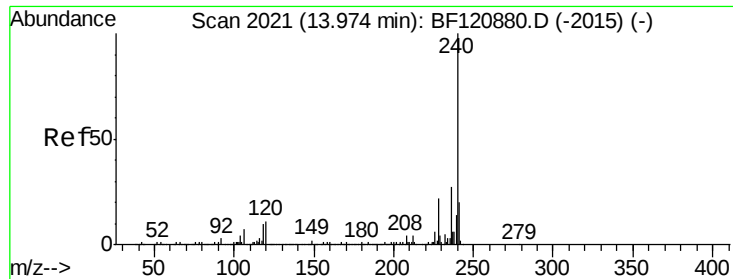


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF121142.D

Acq: 30 Jul 2020 22:23

Instrument :

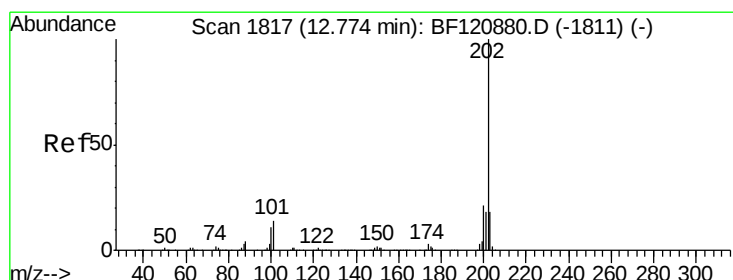
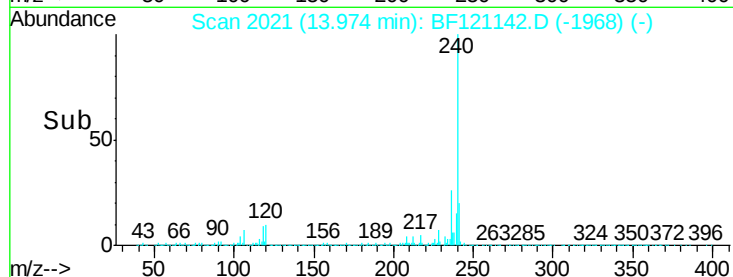
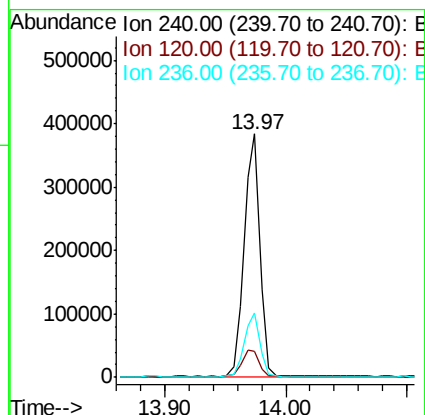
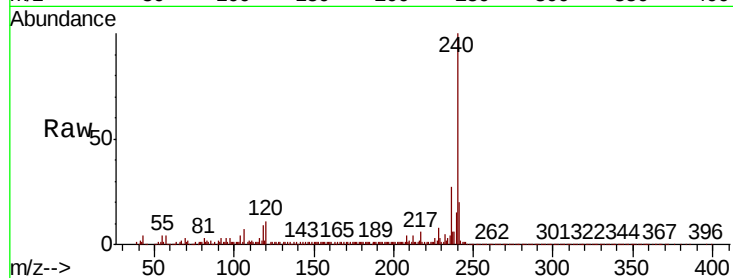
BNA_F

ClientSampleId :
21

Tot Ion:	240	Resp:	347893
Ion Ratio	Lower	Upper	
240	100		
120	10.7	9.3	13.9
236	26.5	21.1	31.7

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#78

Pyrene

Concen: 16.723 ng

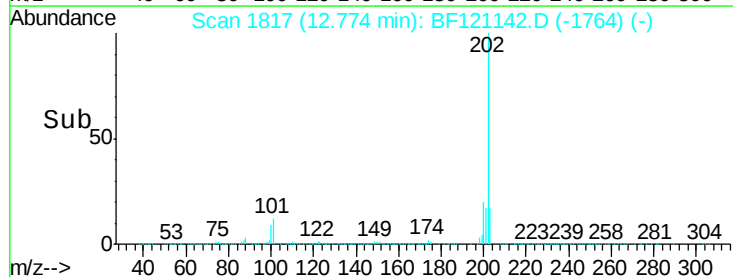
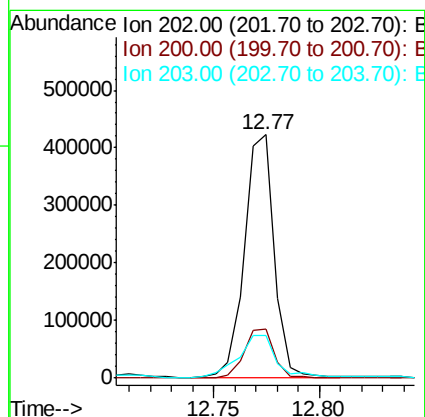
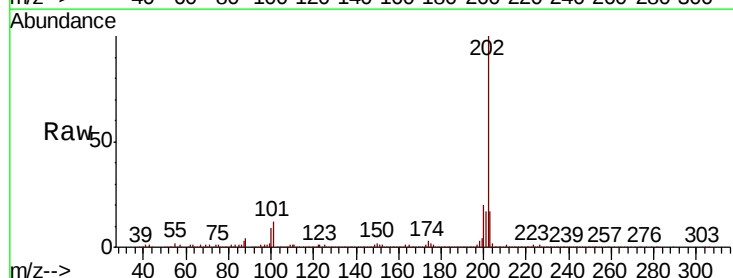
RT: 12.77 min Scan# 1817

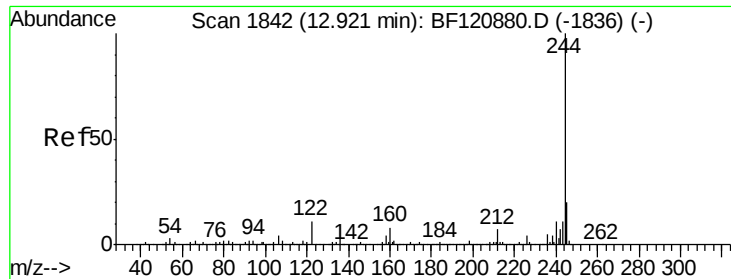
Delta R.T. 0.01 min

Lab File: BF121142.D

Acq: 30 Jul 2020 22:23

Tgt Ion:	202	Resp:	411324
Ion Ratio	Lower	Upper	
202	100		
200	20.0	17.0	25.6
203	17.5	14.6	21.8





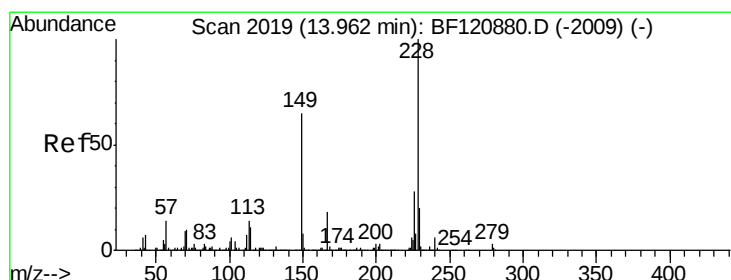
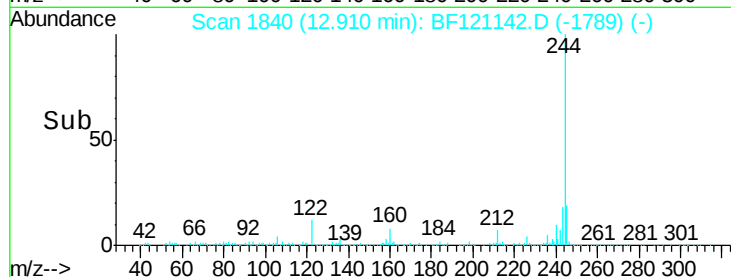
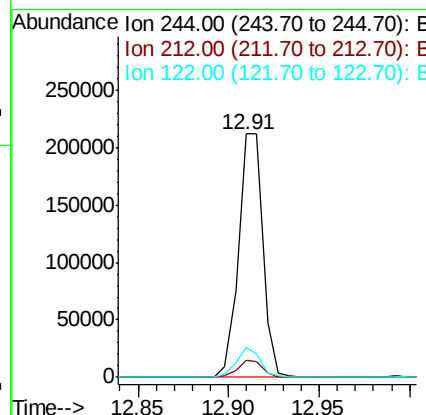
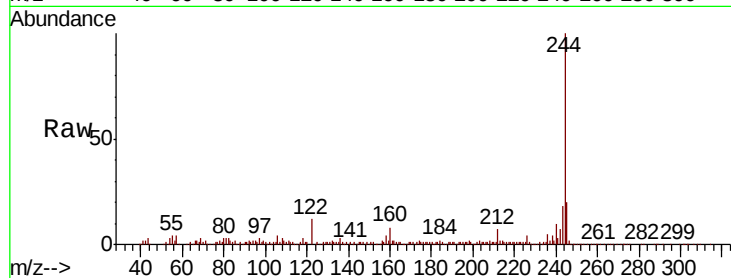
#79
 Terphenyl-d14
 Concen: 12.412 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF121142.D
 Acq: 30 Jul 2020 22:23

Instrument :
 BNA_F
 ClientSampled :
 21

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.4	8.3	12.5

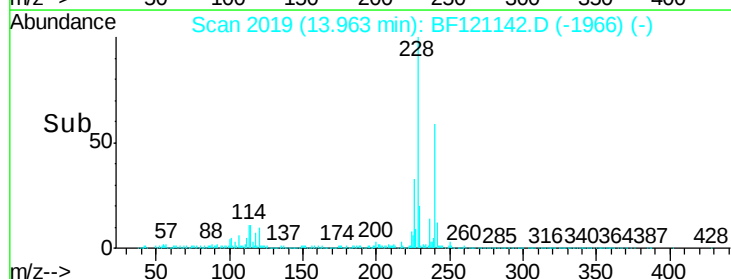
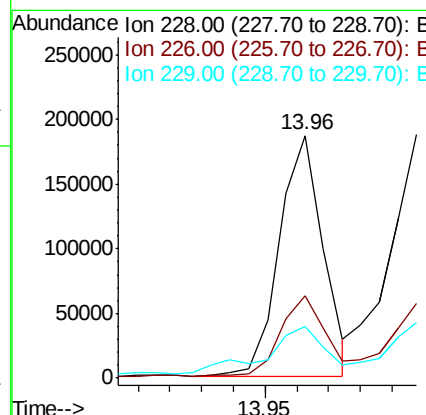
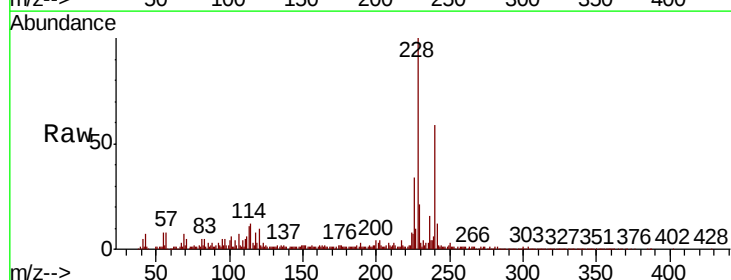
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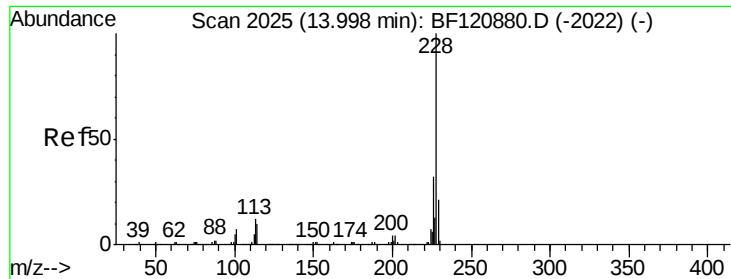
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#81
 Benzo(a)anthracene
 Concen: 8.468 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF121142.D
 Acq: 30 Jul 2020 22:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.6	34.0
229	21.3	16.1	24.1





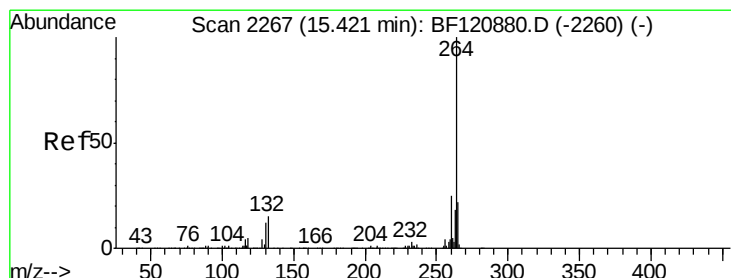
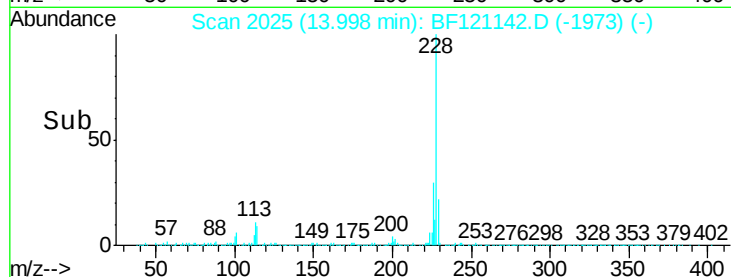
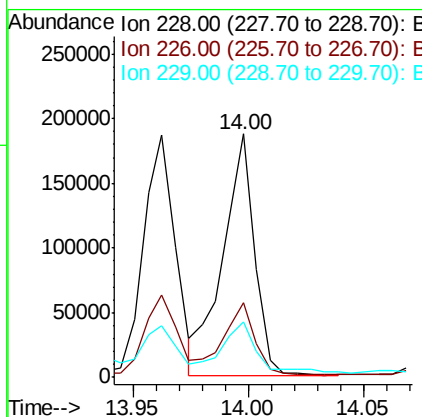
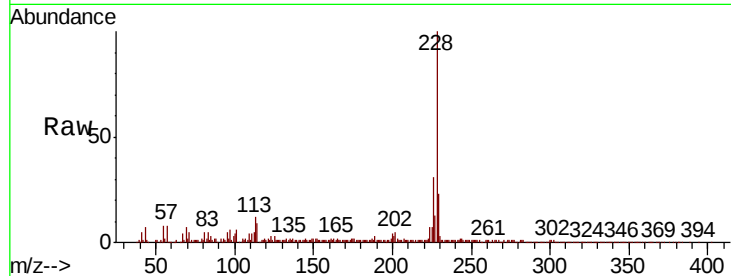
#83
Chrysene
Concen: 8.011 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF121142.D
Acq: 30 Jul 2020 22:23

Instrument :
BNA_F
ClientSampled :
21

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.4	38.0
229	22.8	16.2	24.4

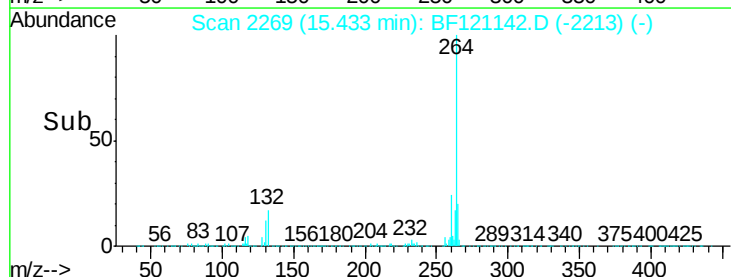
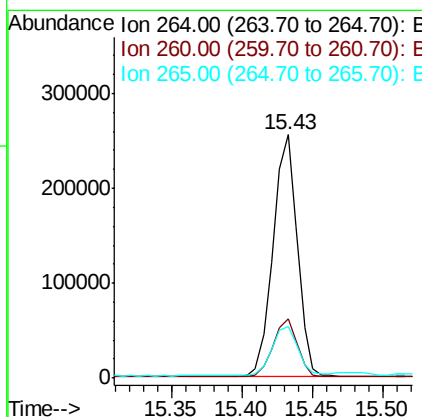
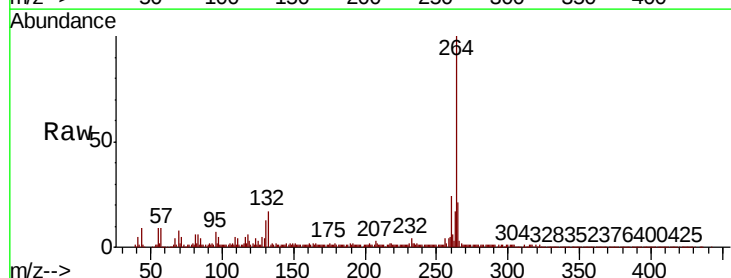
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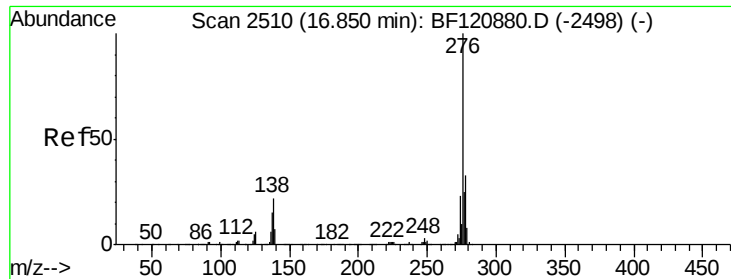
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.03 min
Lab File: BF121142.D
Acq: 30 Jul 2020 22:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.9	29.9
265	21.4	17.8	26.8





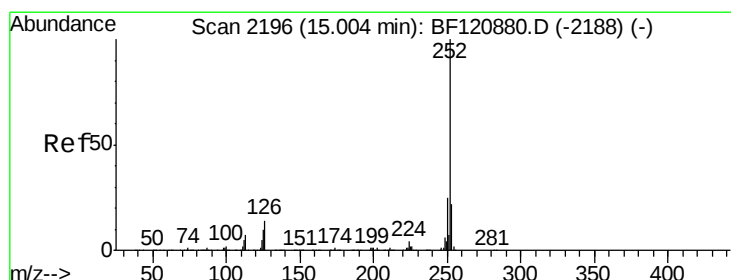
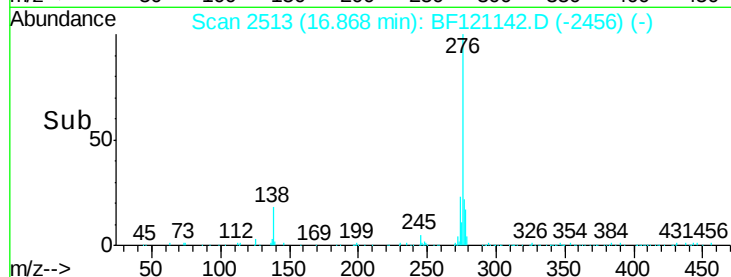
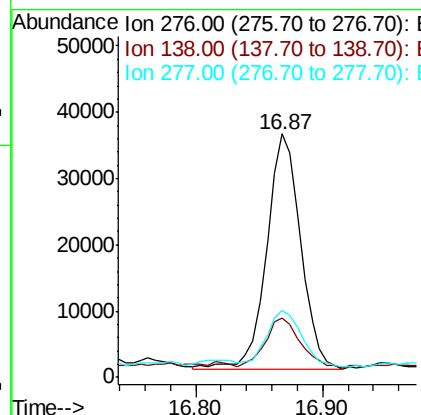
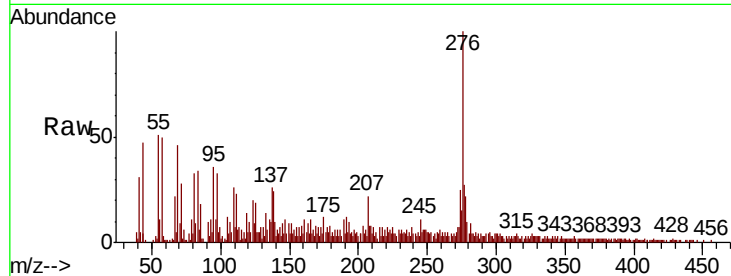
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.044 ng
 RT: 16.87 min Scan# 2513
 Delta R.T. 0.04 min
 Lab File: BF121142.D
 Acq: 30 Jul 2020 22:23

Instrument :
 BNA_F
 ClientSampleID :
 21

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.3	28.9
277	25.3	20.1	30.1

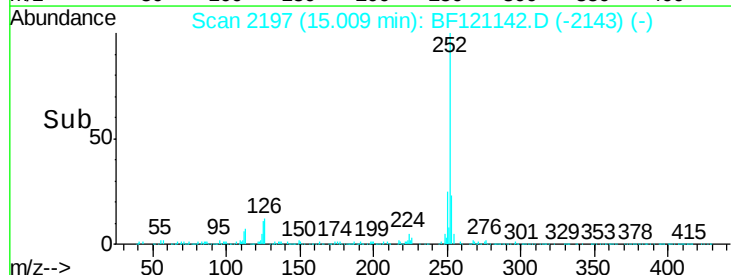
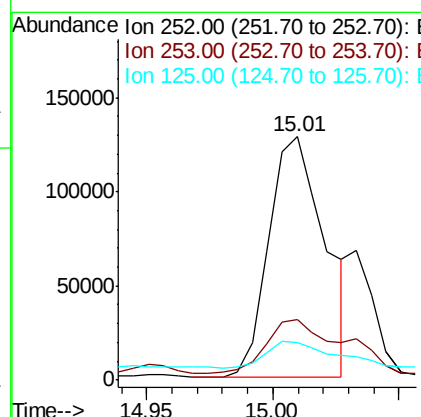
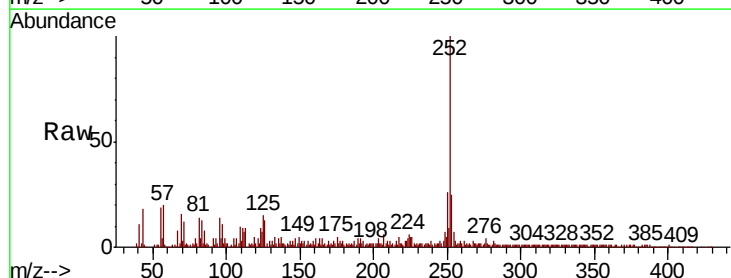
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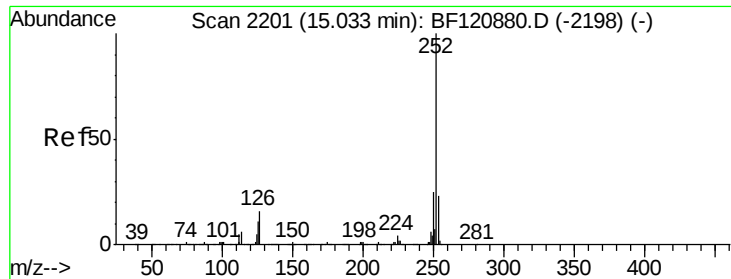
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#88
 Benzo(b)fluoranthene
 Concen: 10.627 ng m
 RT: 15.01 min Scan# 2197
 Delta R.T. 0.02 min
 Lab File: BF121142.D
 Acq: 30 Jul 2020 22:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	15.5	8.1	12.1





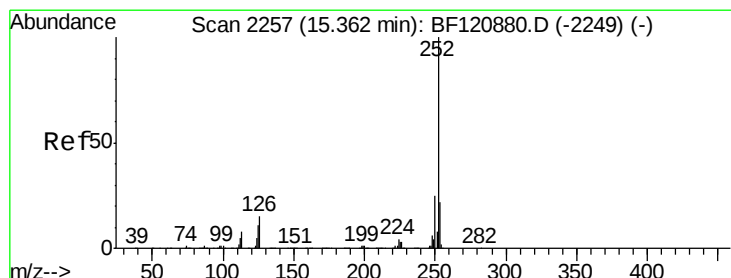
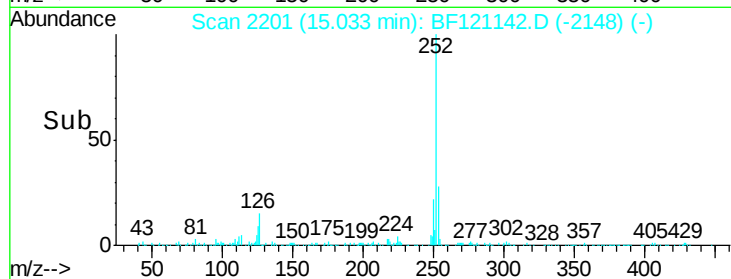
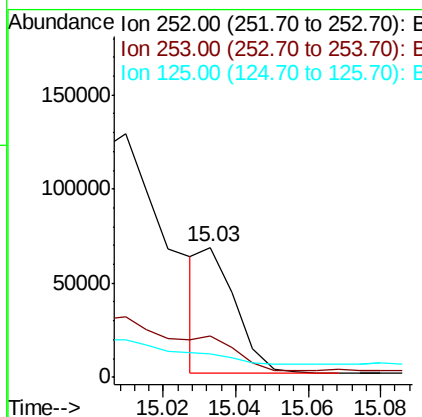
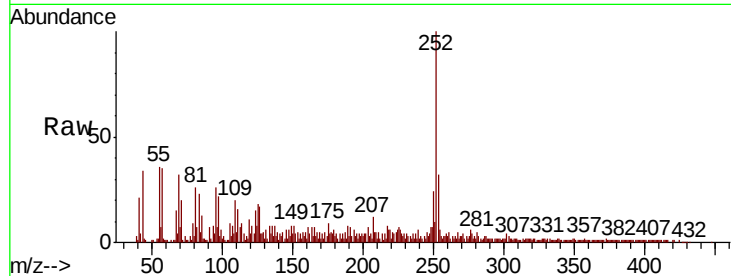
#89
Benzo(k)fluoranthene
Concen: 2.613 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF121142.D
Acq: 30 Jul 2020 22:23

Instrument :
BNA_F
ClientSampleId :
21

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.8	18.1	27.1#
125	18.3	8.0	12.0#

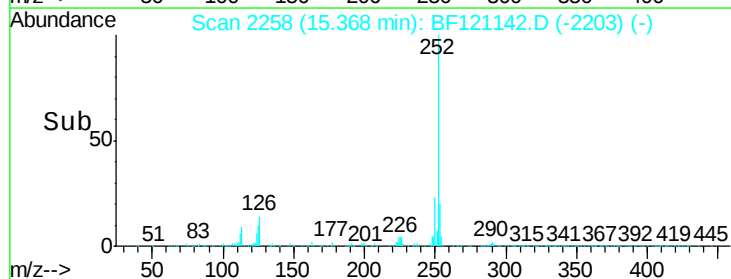
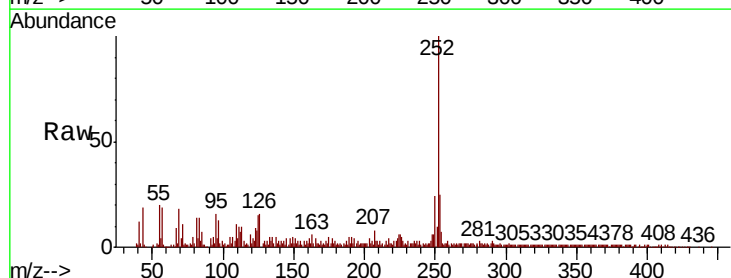
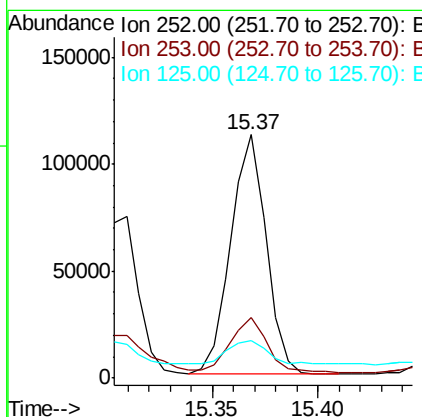
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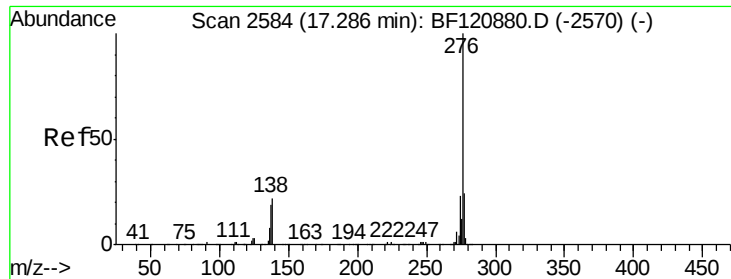
Sohil
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#90
Benzo(a)pyrene
Concen: 7.658 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.02 min
Lab File: BF121142.D
Acq: 30 Jul 2020 22:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.0	27.0
125	15.2	9.5	14.3#





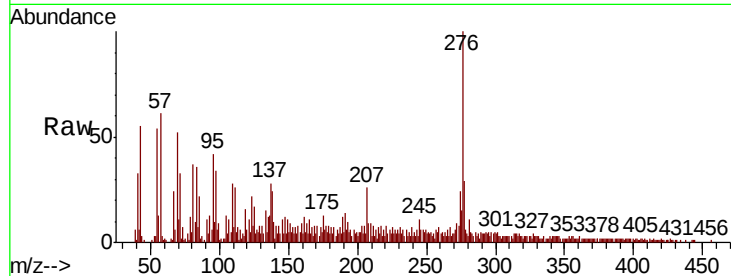
#92
 Benzo(a,h,i)perylene
 Concen: 3.469 ng
 RT: 17.31 min Scan# 2588
 Delta R.T. 0.05 min
 Lab File: BF121142.D
 Acq: 30 Jul 2020 22:23

Instrument :
 BNA_F
 ClientSampleId :
 21

Tot Ion:	276	Resp:	60090
Ion Ratio	Lower	Upper	
276	100		
277	28.8	19.4	29.0
138	24.4	17.2	25.8

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

