

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121114.D
 Acq On : 29 Jul 2020 21:32
 Operator : JU/CG
 Sample : L3436-20 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20

Manual Integrations
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Quant Time: Jul 30 02:33:09 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	152247	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	547090	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	270205	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	458286	20.00	ng	0.00
76) Chrysene-d12	13.97	240	385522	20.00	ng	0.00
86) Perylene-d12	15.42	264	328305	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	131452	14.15	ng	0.00
7) Phenol-d6	6.44	99	157444	13.12	ng	0.00
23) Nitrobenzene-d5	7.36	82	87965	9.30	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	36099	12.21	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	194995	10.77	ng	0.00
79) Terphenyl-d14	12.91	244	179285	10.11	ng	0.00
Target Compounds						
71) Phenanthrene	11.35	178	248642	10.549	ng	99
72) Anthracene	11.40	178	91639	3.872	ng	99
75) Fluoranthene	12.54	202	428156	16.389	ng	99
78) Pyrene	12.77	202	442185	16.223	ng	98
81) Benzo(a)anthracene	13.96	228	198033	8.483	ng	94
83) Chrysene	13.99	228	194089	7.911	ng	96
87) Indeno(1,2,3-cd)pyrene	16.84	276	71257	3.121	ng	97
88) Benzo(b)fluoranthene	15.00	252	198138m	9.984	ng	
89) Benzo(k)fluoranthene	15.02	252	58124m	3.212	ng	
90) Benzo(a)pyrene	15.36	252	141427	7.811	ng	# 95
92) Benzo(g,h,i)perylene	17.28	276	67698	3.681	ng	95

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

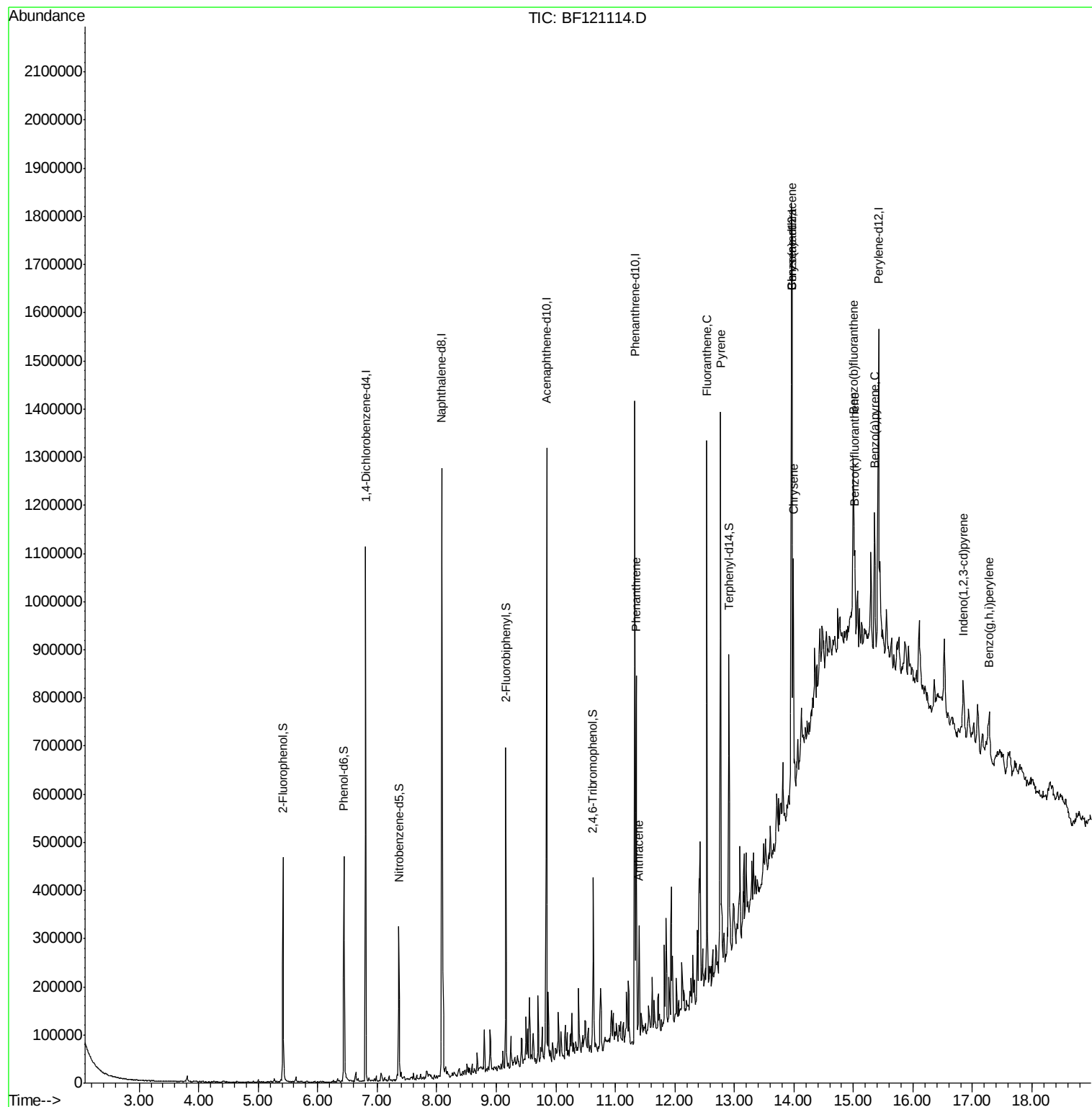
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121114.D
Acq On : 29 Jul 2020 21:32
Operator : JU/CG
Sample : L3436-20 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

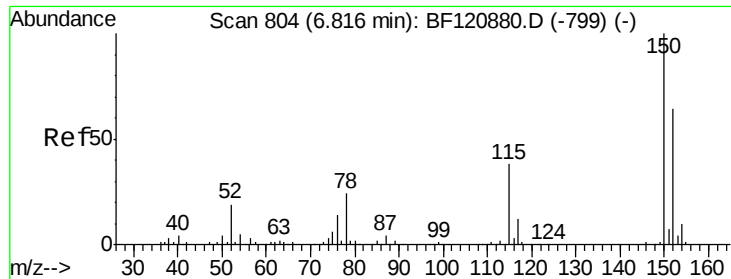
Instrument :
BNA_F
ClientSampleId :
20

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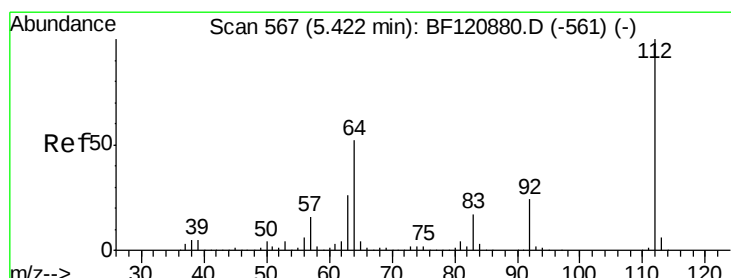
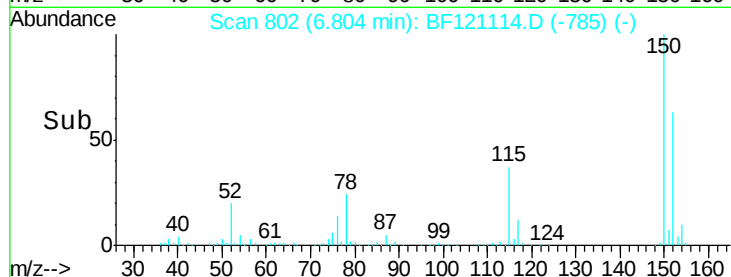
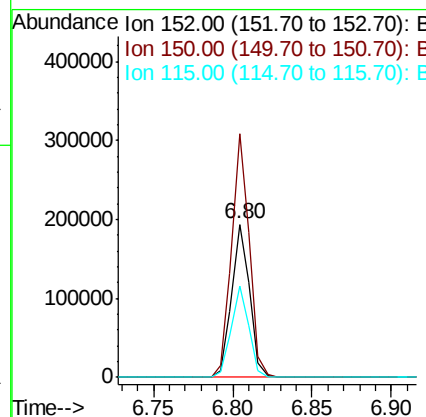
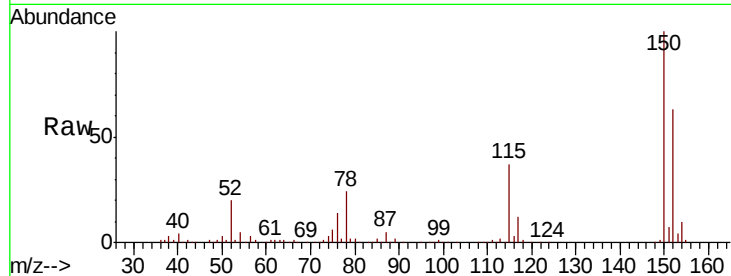
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF121114.D
 Acq: 29 Jul 2020 21:32

Instrument :
 BNA_F
 ClientSampleId :
 20

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	125.6	188.4
115	59.5	46.2	69.2

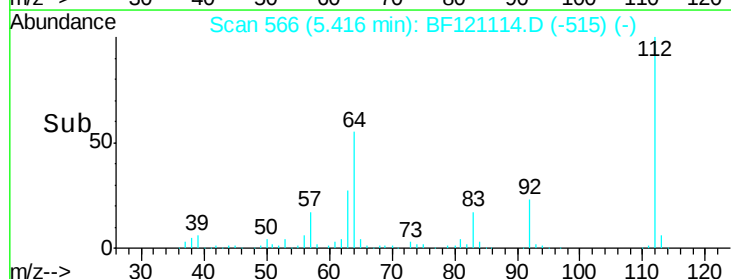
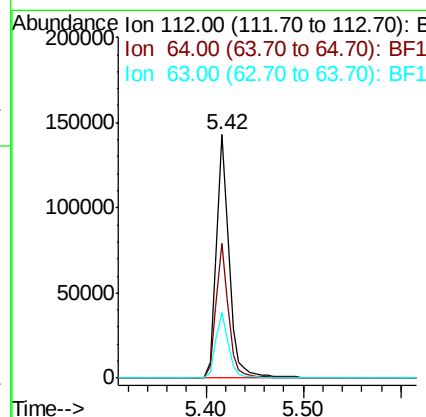
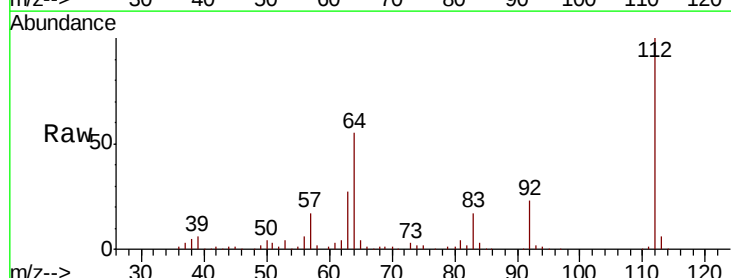
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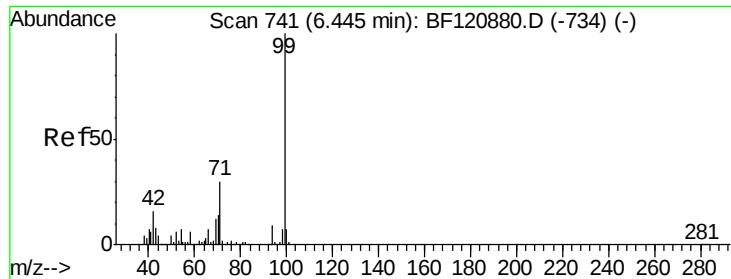
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#5
 2-Fluorophenol
 Concen: 14.154 ng
 RT: 5.42 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: BF121114.D
 Acq: 29 Jul 2020 21:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	43.9	65.9
63	27.2	22.7	34.1





#7

Phenol-d6

Concen: 13.124 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121114.D

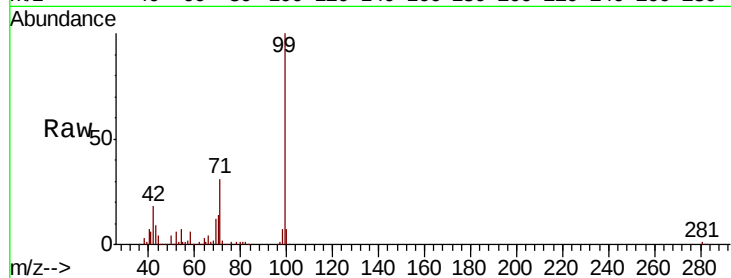
Acq: 29 Jul 2020 21:32

Instrument :

BNA_F

ClientSampleId :

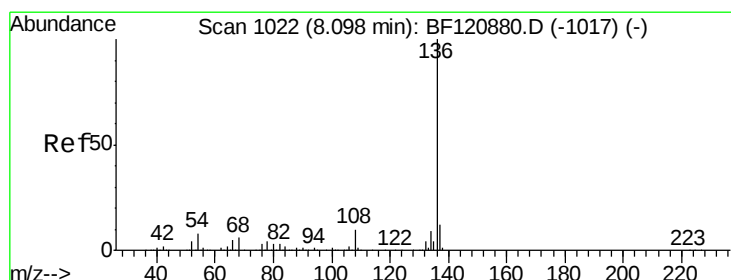
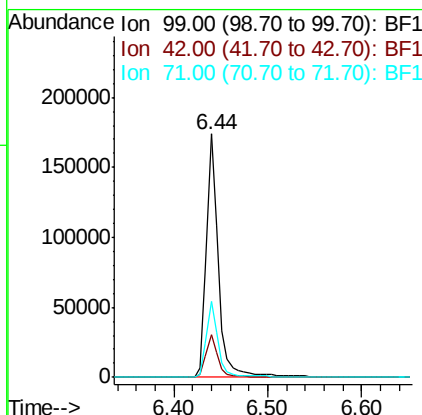
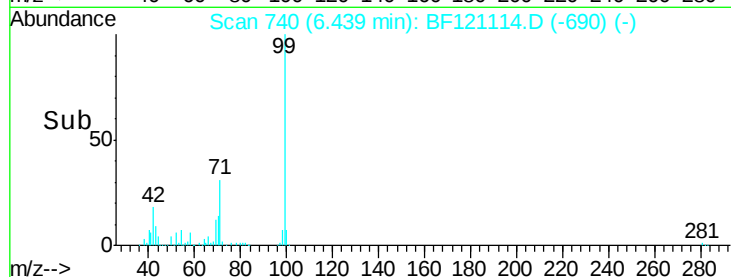
20



Tot Ion:	99	Resp:	157444
Ion Ratio	Lower	Upper	
99	100		
42	17.6	13.5	20.3
71	31.4	25.0	37.4

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#21

Naphthalene-d8

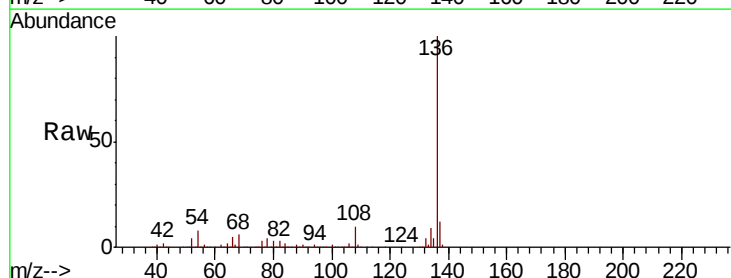
Concen: 20.000 ng

RT: 8.09 min Scan# 1020

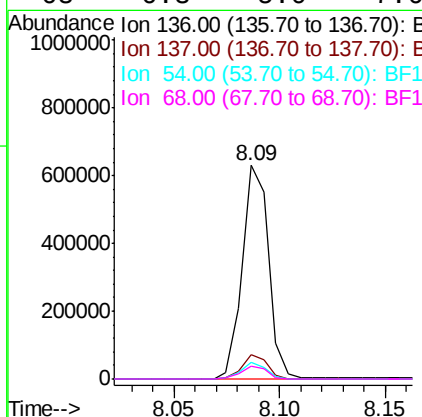
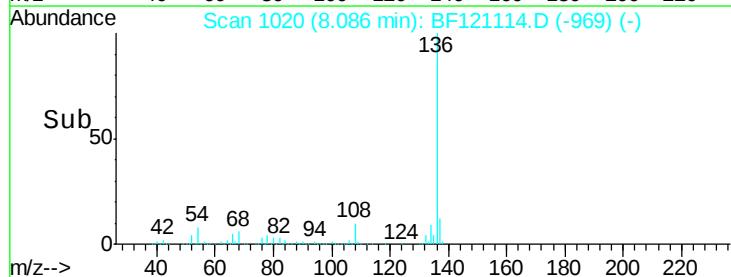
Delta R.T. -0.00 min

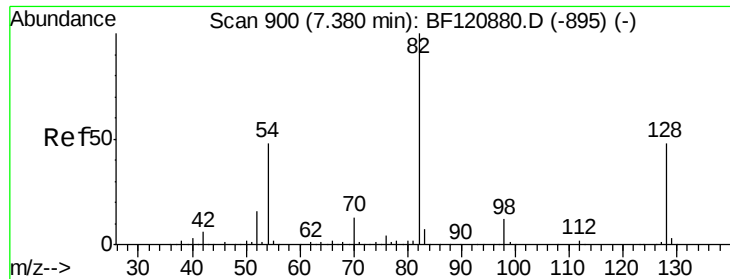
Lab File: BF121114.D

Acq: 29 Jul 2020 21:32



Tgt Ion:	136	Resp:	547090
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.0	13.4
54	7.8	6.1	9.1
68	6.3	5.0	7.6





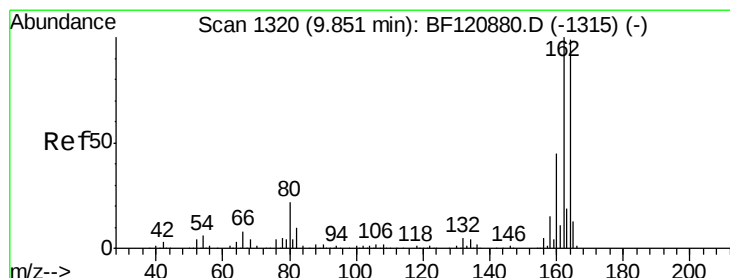
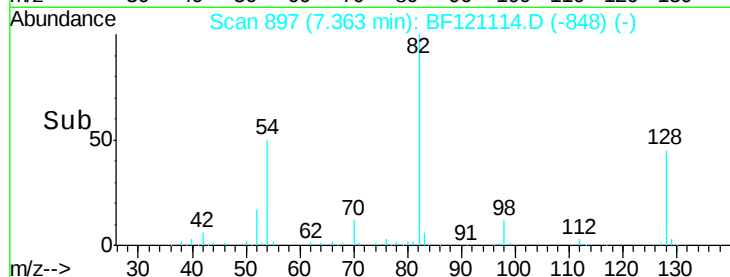
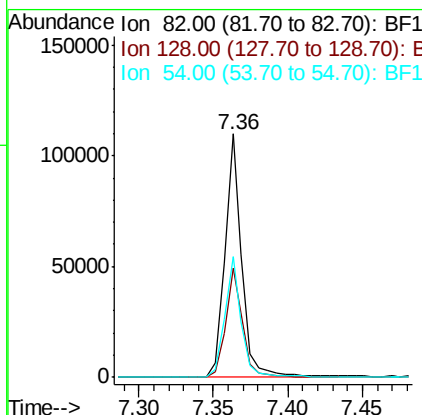
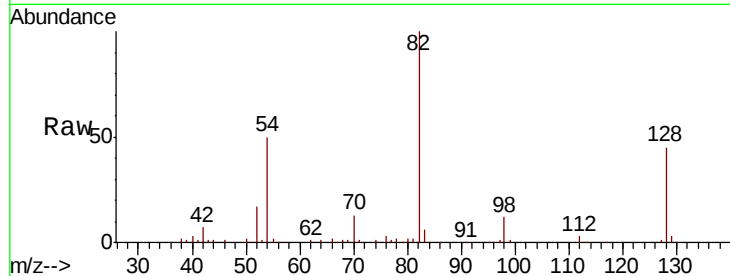
#23
 Nitrobenzene-d5
 Concen: 9.304 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF121114.D
 Acq: 29 Jul 2020 21:32

Instrument :
 BNA_F
 ClientSampled :
 20

Tot Ion	82	Resp	87965
Ion Ratio	Lower	Upper	
82	100		
128	45.1	39.2	58.8
54	49.5	37.8	56.8

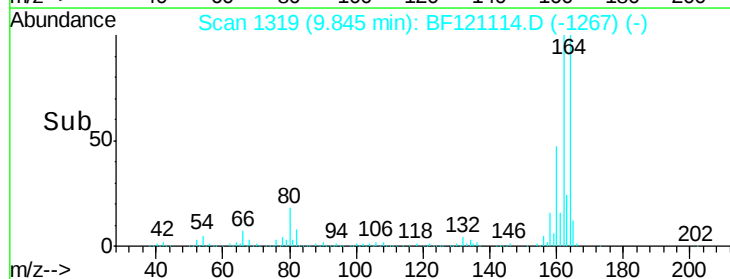
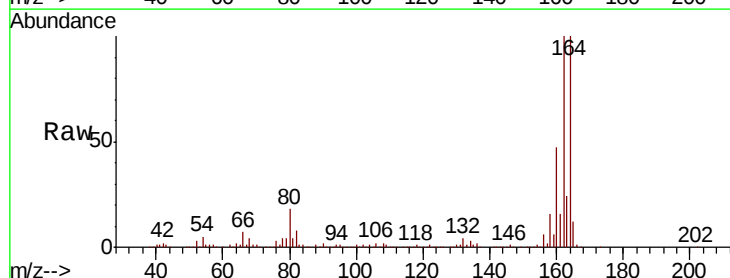
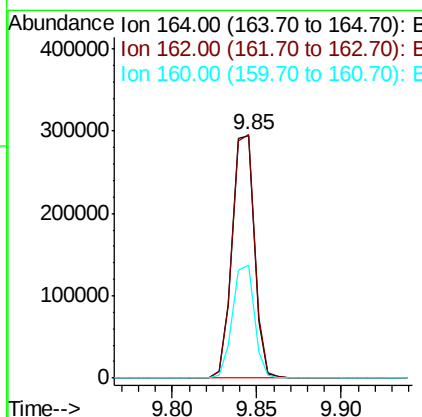
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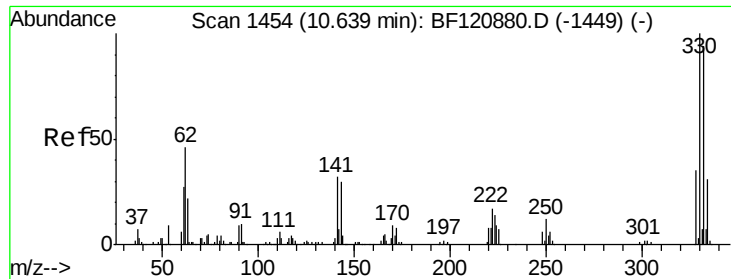
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.01 min
 Lab File: BF121114.D
 Acq: 29 Jul 2020 21:32

Tgt Ion	164	Resp	270205
Ion Ratio	Lower	Upper	
164	100		
162	100.3	82.2	123.2
160	46.7	37.2	55.8





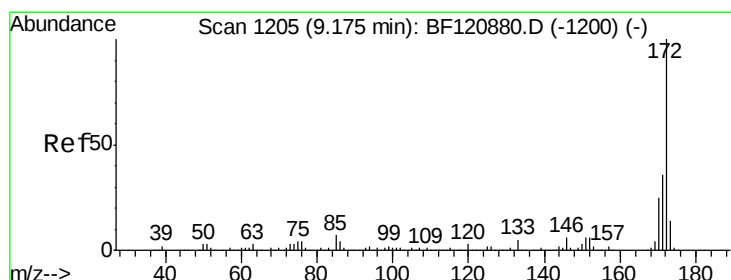
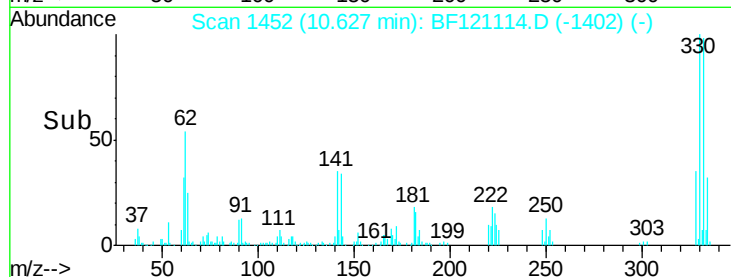
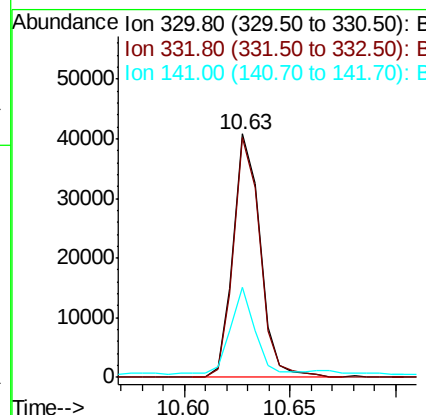
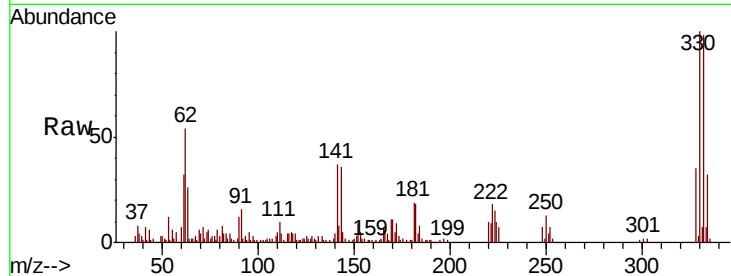
#42
 2,4,6-Tribromophenol
 Concen: 12.205 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF121114.D
 Acq: 29 Jul 2020 21:32

Instrument :
 BNA_F
 ClientSampled :
 20

Tot Ion	Ratio	Resp	Lower	Upper
330	100	36099		
332	97.1		76.1	114.1
141	32.2		24.1	36.1

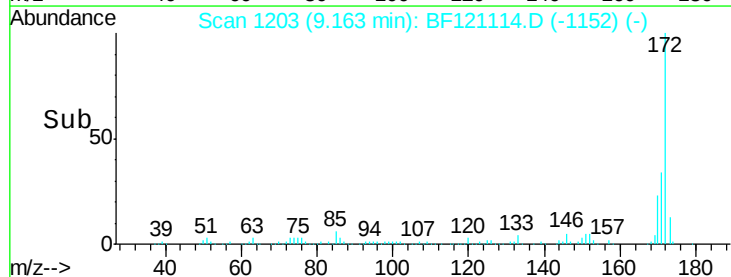
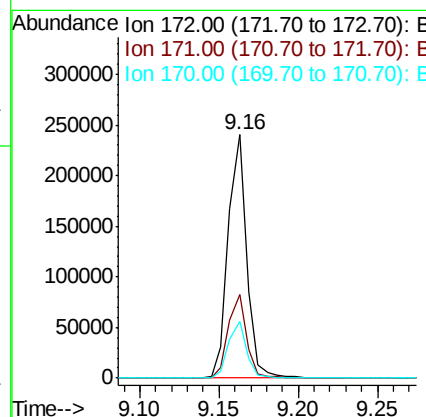
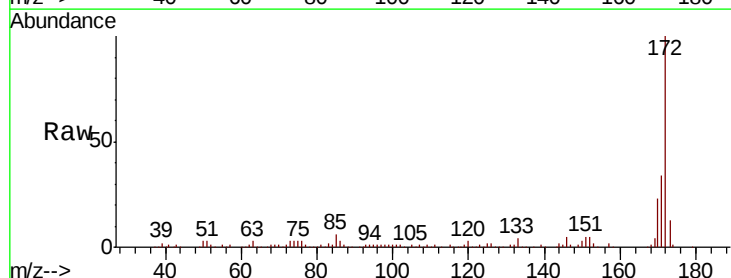
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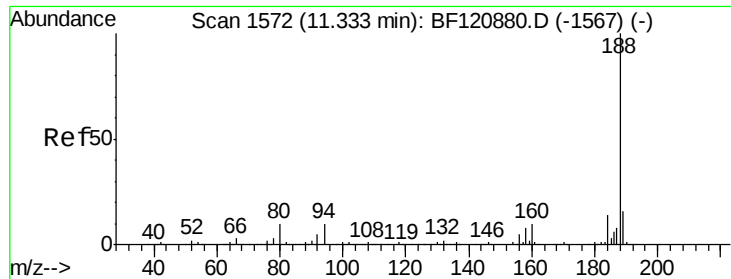
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#45
 2-Fluorobiphenyl
 Concen: 10.775 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF121114.D
 Acq: 29 Jul 2020 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	194995		
171	34.5		29.0	43.4
170	23.1		19.6	29.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BF121114.D

Acq: 29 Jul 2020 21:32

Instrument :

BNA_F

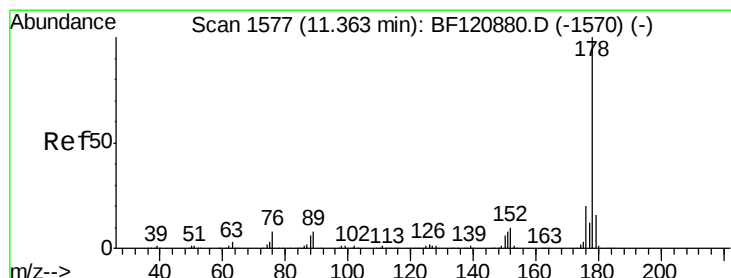
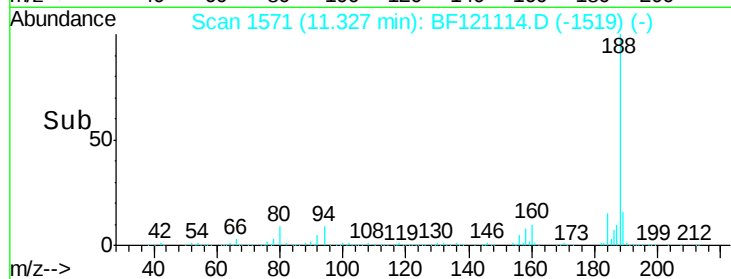
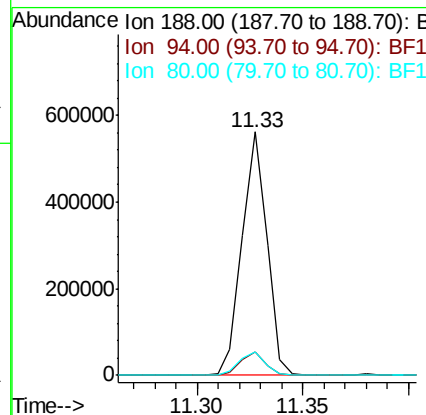
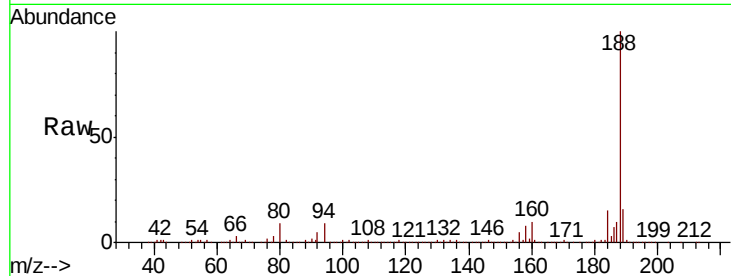
ClientSampleId :

20

Tot Ion:	188	Resp:	458286
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.0	12.0
80	9.4	8.3	12.5

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#71

Phenanthrene

Concen: 10.549 ng

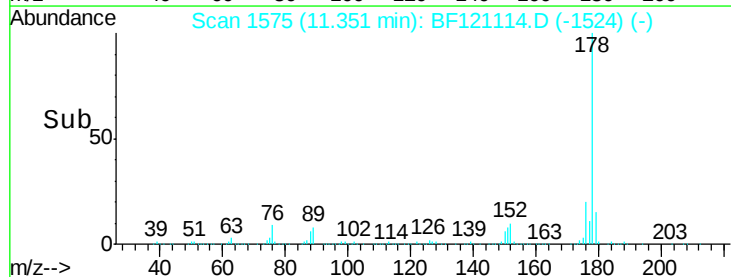
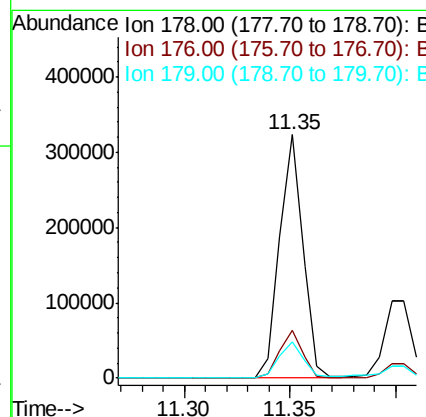
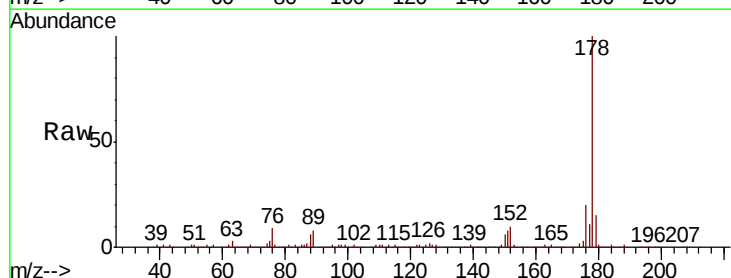
RT: 11.35 min Scan# 1575

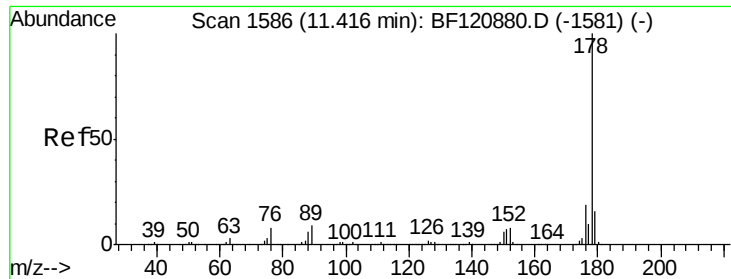
Delta R.T. -0.00 min

Lab File: BF121114.D

Acq: 29 Jul 2020 21:32

Tgt Ion:	178	Resp:	248642
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.2	24.2
179	15.0	12.6	19.0





#72

Anthracene

Concen: 3.872 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF121114.D

Acq: 29 Jul 2020 21:32

Instrument :

BNA_F

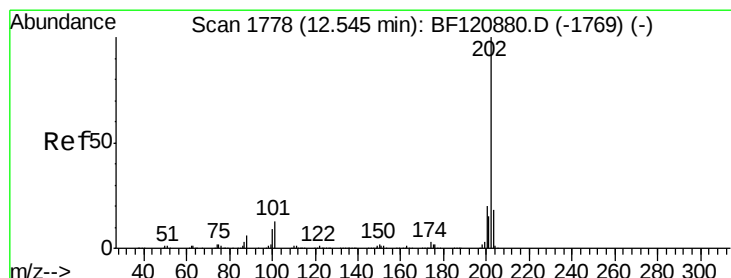
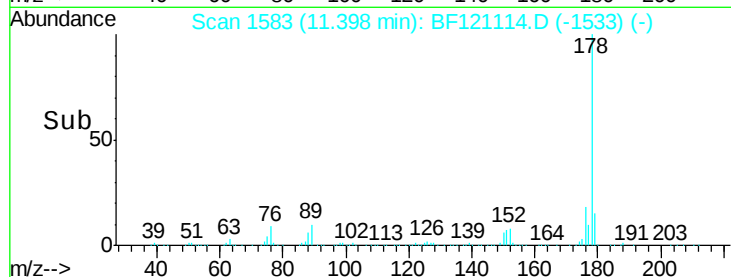
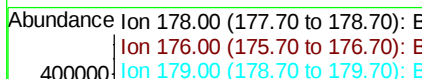
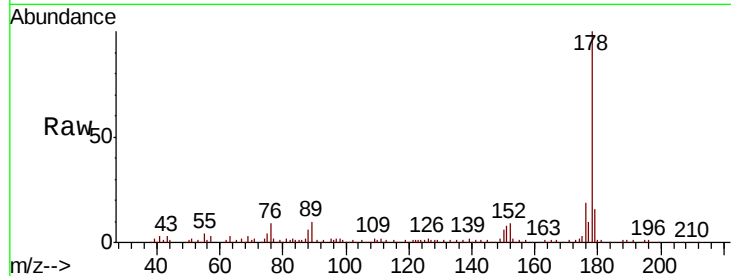
ClientSampleId :

20

Tot Ion:	178	Resp:	91639
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.8	23.8
179	15.8	12.6	19.0

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#75

Fluoranthene

Concen: 16.389 ng

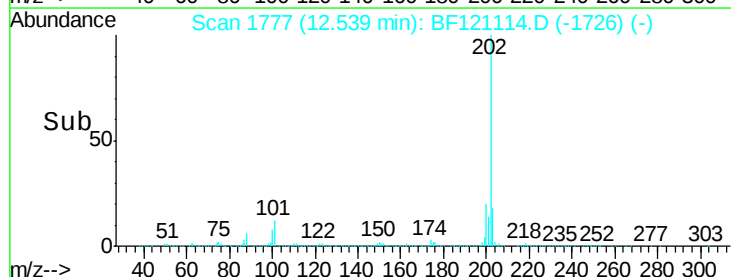
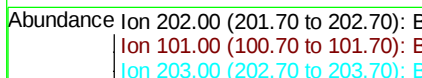
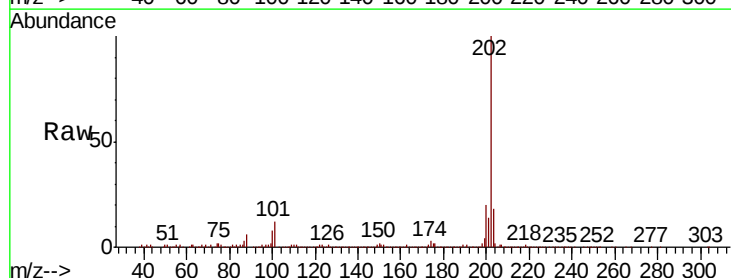
RT: 12.54 min Scan# 1777

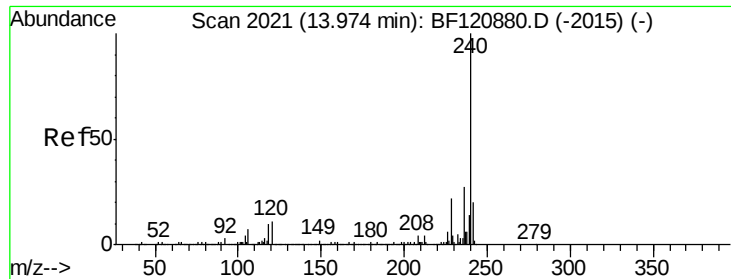
Delta R.T. -0.00 min

Lab File: BF121114.D

Acq: 29 Jul 2020 21:32

Tgt Ion:	202	Resp:	428156
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	30.5
203	17.9	0.0	37.7





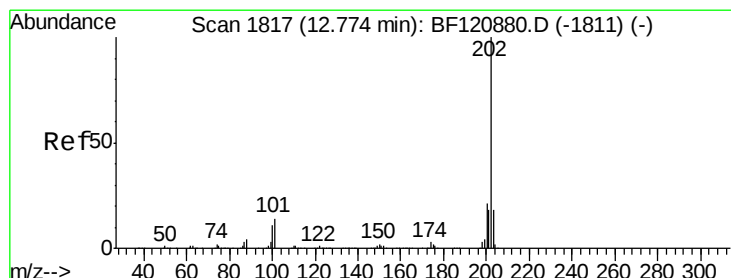
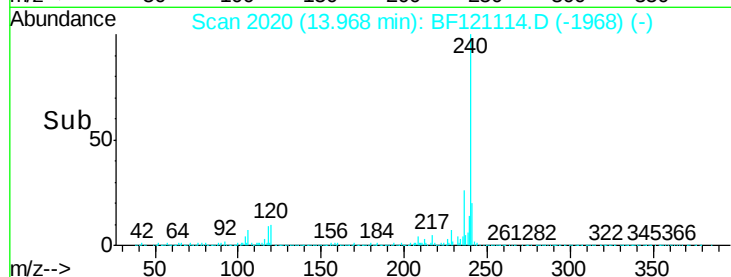
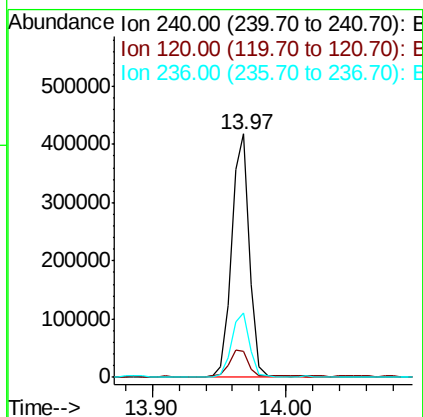
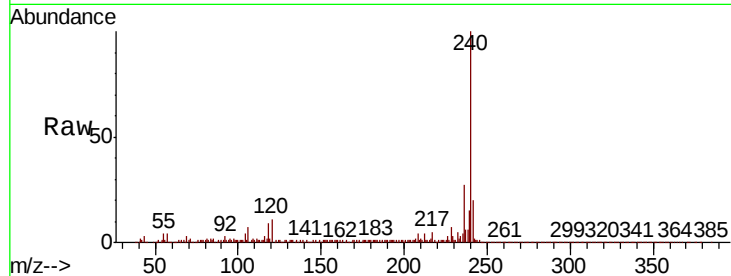
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF121114.D
Acq: 29 Jul 2020 21:32

Instrument :
BNA_F
ClientSampleId :
20

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.3	13.9
236	26.7	21.1	31.7

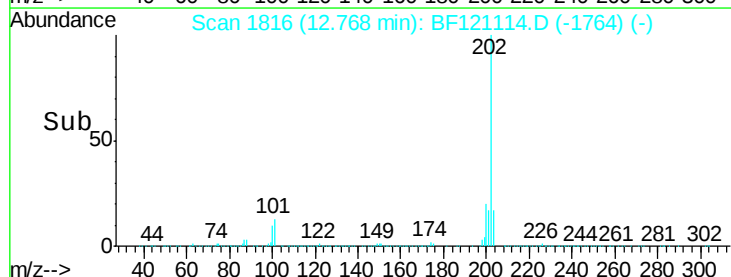
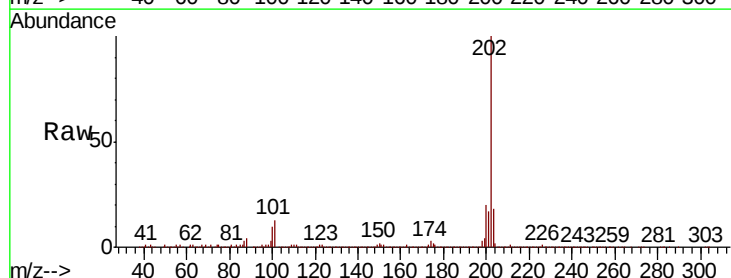
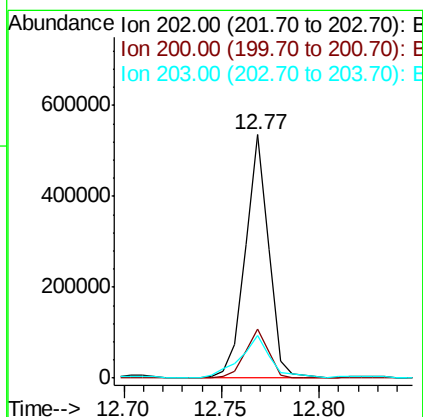
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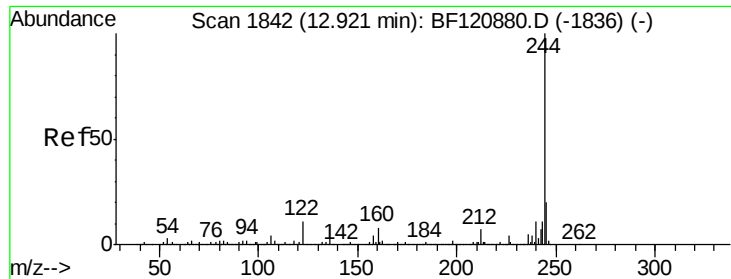
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#78
Pyrene
Concen: 16.223 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF121114.D
Acq: 29 Jul 2020 21:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.6
203	17.7	14.6	21.8





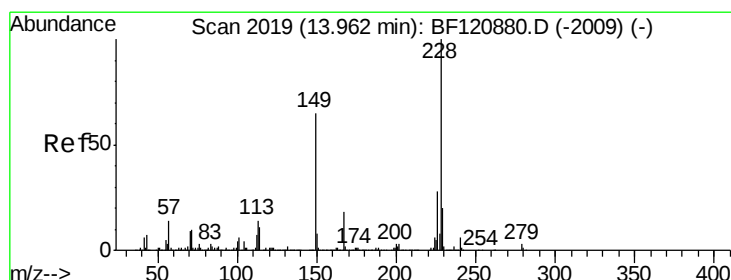
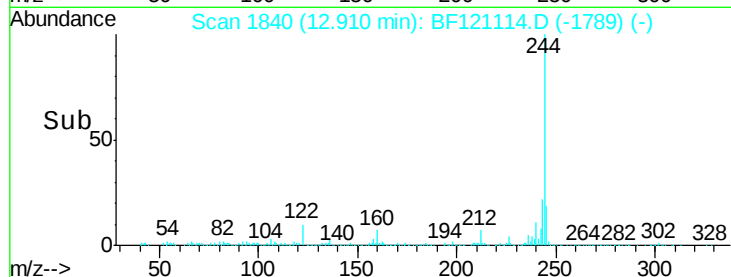
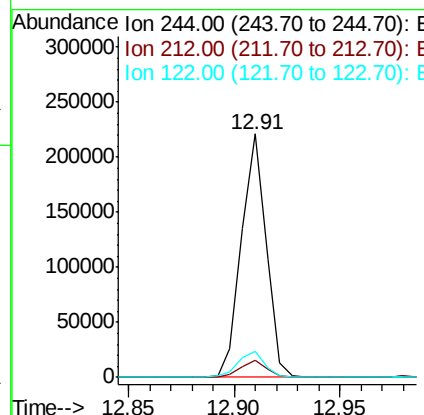
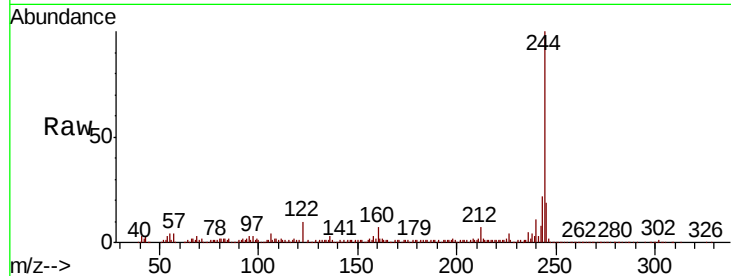
#79
 Terphenyl-d14
 Concen: 10.109 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF121114.D
 Acq: 29 Jul 2020 21:32

Instrument :
 BNA_F
 ClientSampleId :
 20

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.5	8.3	12.5

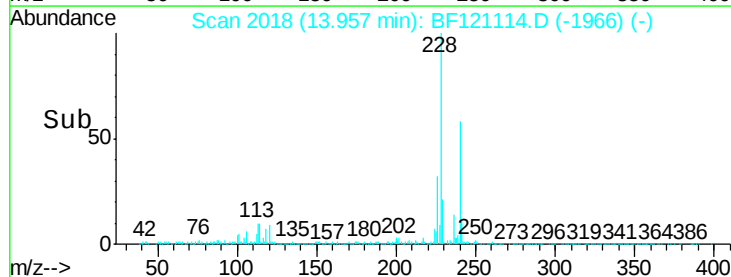
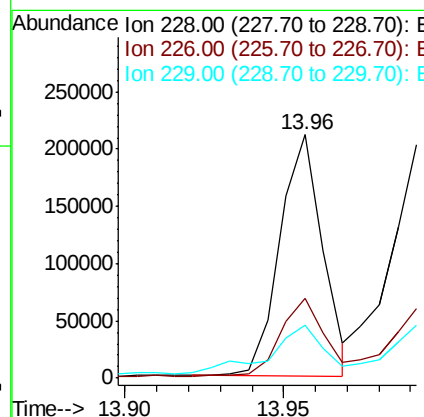
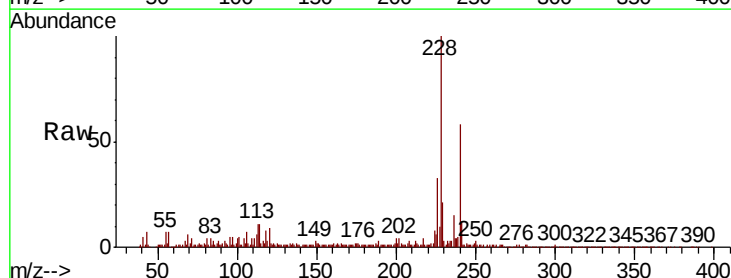
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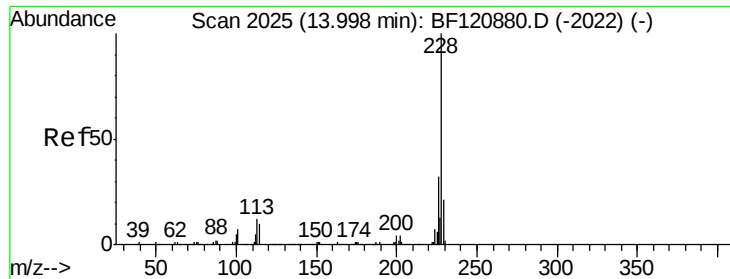
mohammad
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#81
 Benzo(a)anthracene
 Concen: 8.483 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BF121114.D
 Acq: 29 Jul 2020 21:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	34.0
229	21.5	16.1	24.1





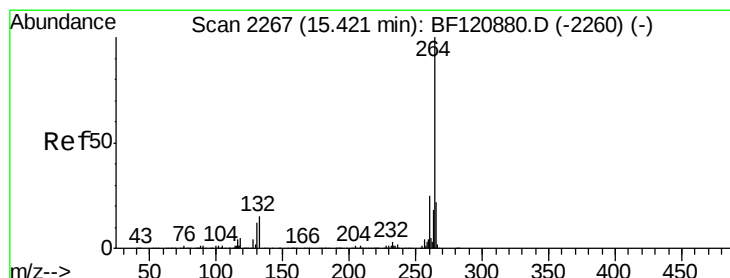
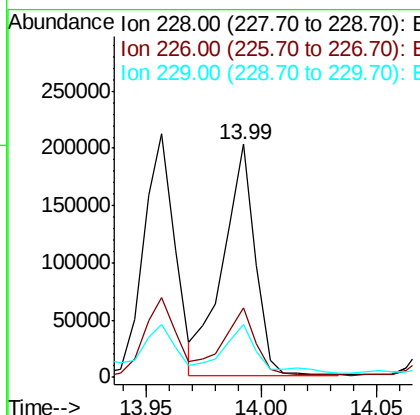
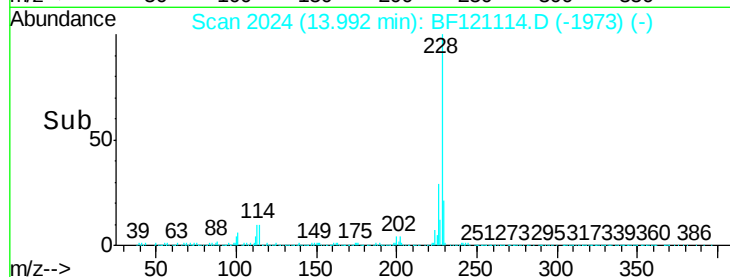
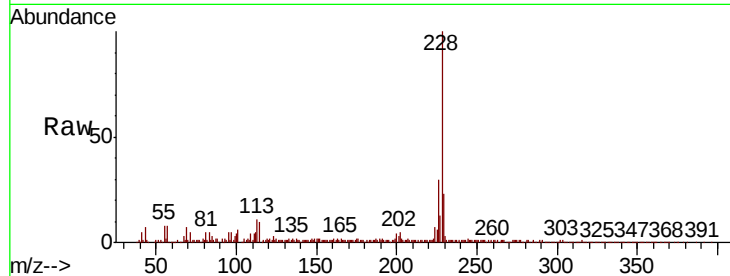
#83
Chrysene
Concen: 7.911 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BF121114.D
Acq: 29 Jul 2020 21:32

Instrument :
BNA_F
ClientSampleId :
20

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		194089		
226	29.8	25.4	38.0		
229	22.7	16.2	24.4		

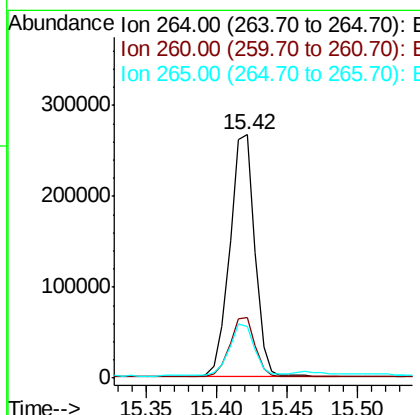
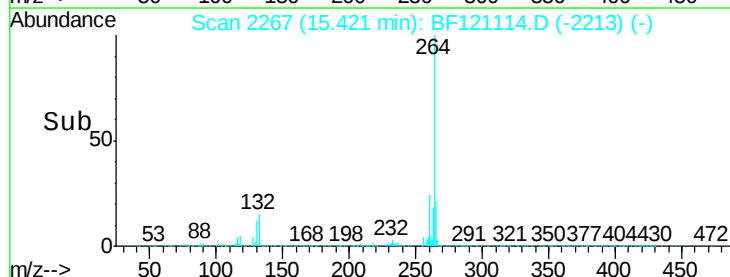
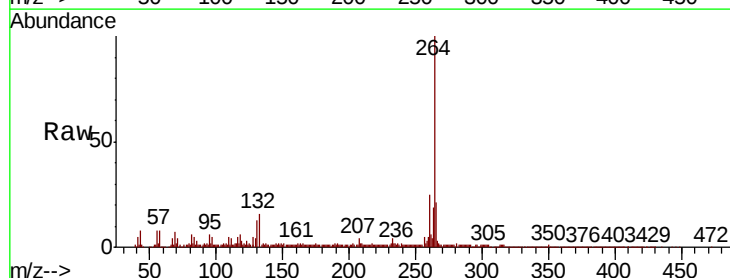
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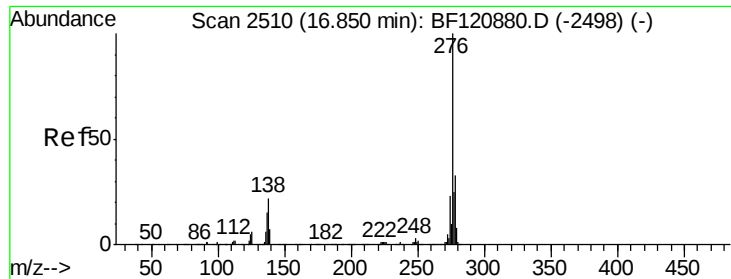
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.02 min
Lab File: BF121114.D
Acq: 29 Jul 2020 21:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100		328305		
260	24.8	19.9	29.9		
265	21.3	17.8	26.8		





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.121 ng

RT: 16.84 min Scan# 2509

Delta R.T. 0.01 min

Lab File: BF121114.D

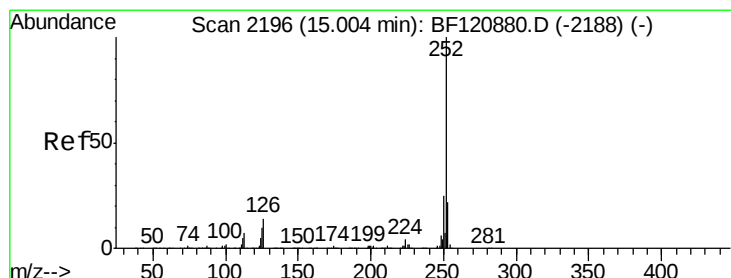
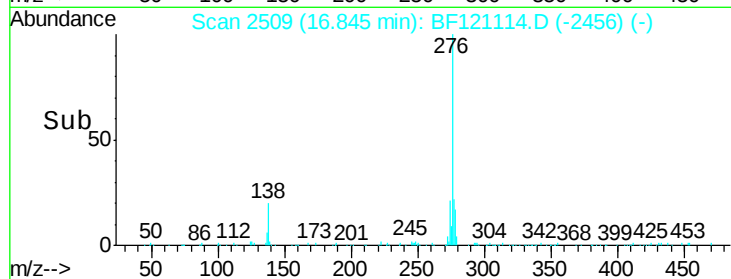
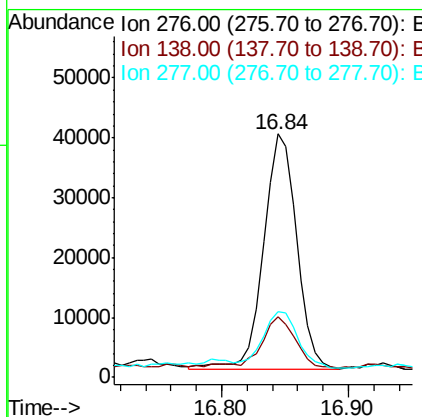
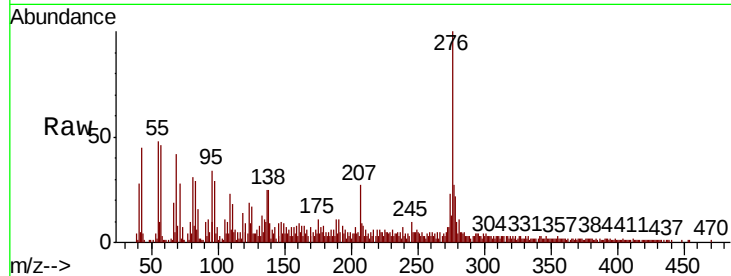
Acq: 29 Jul 2020 21:32

Instrument :
BNA_F
ClientSampled :
20

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.6	19.3	28.9
277	25.0	20.1	30.1

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#88

Benzo(b)fluoranthene

Concen: 9.984 ng m

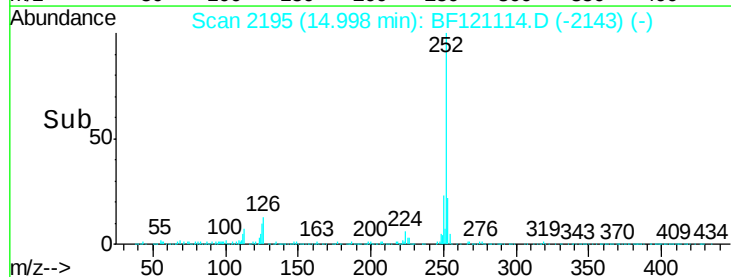
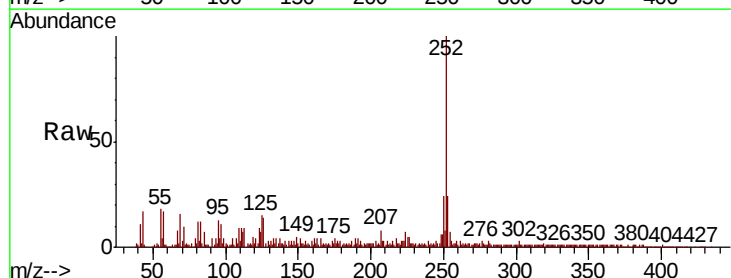
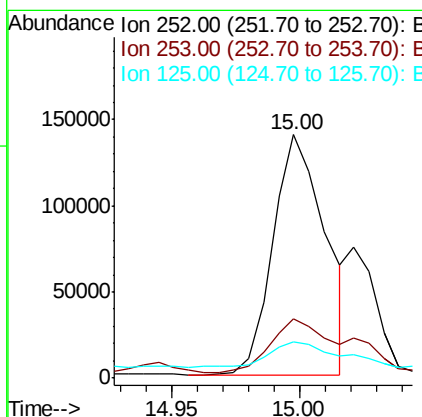
RT: 15.00 min Scan# 2195

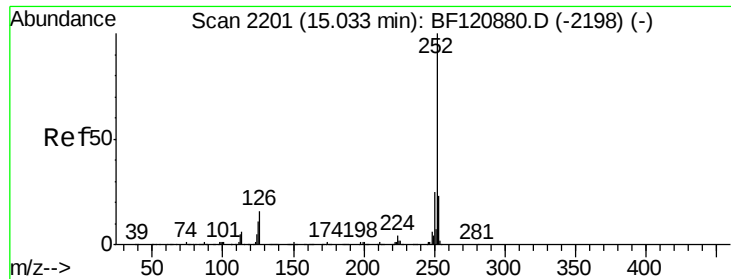
Delta R.T. 0.01 min

Lab File: BF121114.D

Acq: 29 Jul 2020 21:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	14.9	8.1	12.1





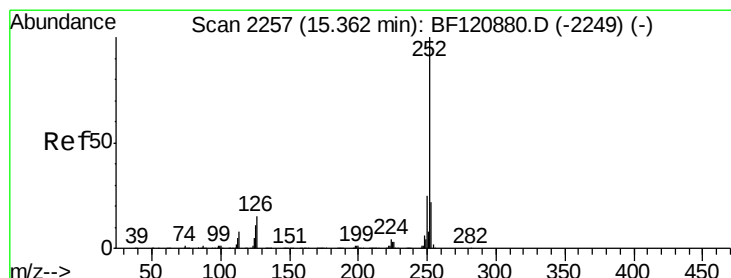
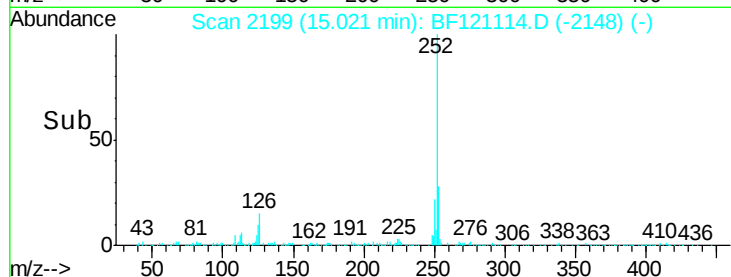
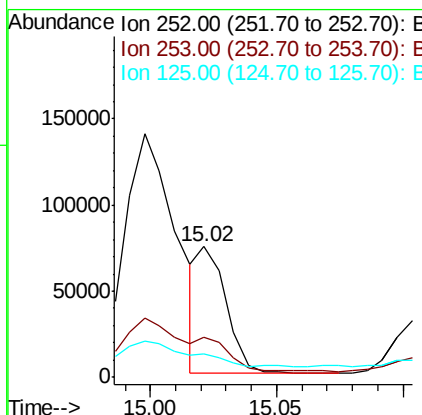
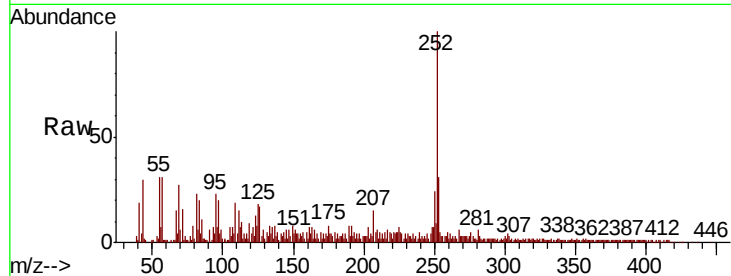
#89
Benzo(k)fluoranthene
Concen: 3.212 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF121114.D
Acq: 29 Jul 2020 21:32

Instrument :
BNA_F
ClientSampleId :
20

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.8	18.1	27.1#
125	17.5	8.0	12.0#

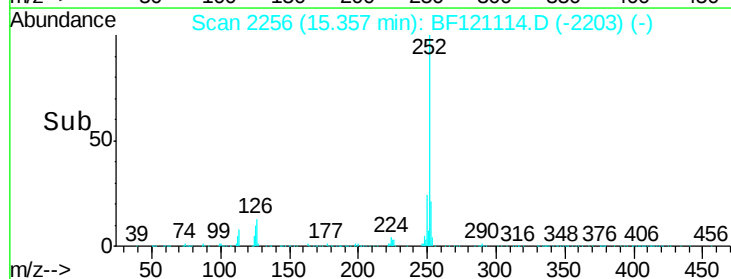
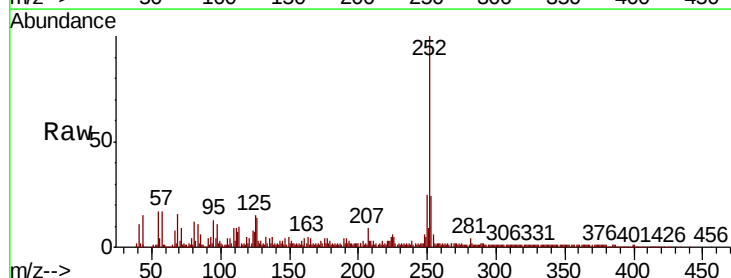
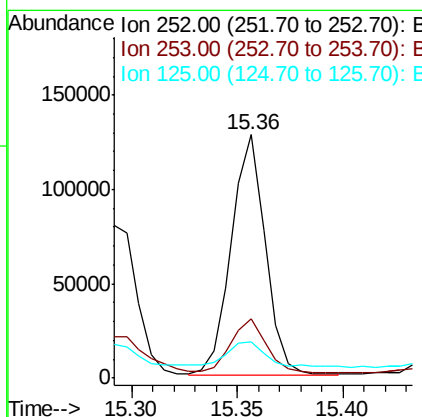
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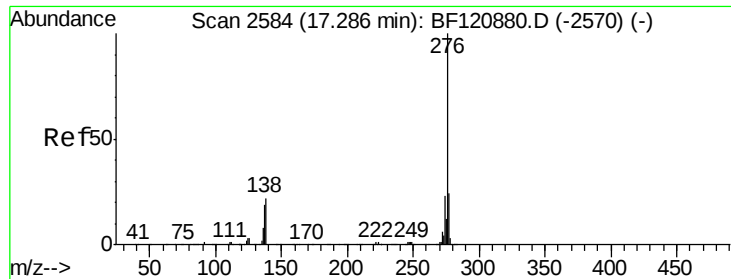
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#90
Benzo(a)pyrene
Concen: 7.811 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.01 min
Lab File: BF121114.D
Acq: 29 Jul 2020 21:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	14.7	9.5	14.3#





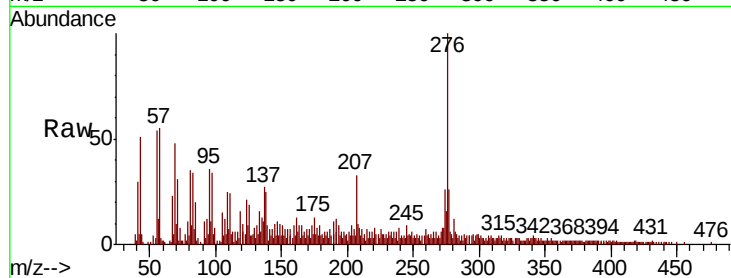
#92
 Benzo(a,h,i)perylene
 Concen: 3.681 ng
 RT: 17.28 min Scan# 2583
 Delta R.T. 0.02 min
 Lab File: BF121114.D
 Acq: 29 Jul 2020 21:32

Instrument :
 BNA_F
 ClientSampleId :
 20

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.4	29.0
138	24.9	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

