

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081420\
 Data File : BF121291.D
 Acq On : 14 Aug 2020 18:18
 Operator : JU/CG
 Sample : L3504-01DL 50X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081120DL

Manual Integrations
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 8/18/2020 1:42:06 PM

Quant Time: Aug 17 06:49:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 13 15:23:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	71632	20.00	ng	-0.02
21) Naphthalene-d8	7.99	136	282812	20.00	ng	-0.02
39) Acenaphthene-d10	9.74	164	151378	20.00	ng	-0.02
64) Phenanthrene-d10	11.22	188	315074	20.00	ng	-0.02
76) Chrysene-d12	13.86	240	309675	20.00	ng	-0.02
86) Perylene-d12	15.27	264	323082	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	12512	2.65	ng	0.00
7) Phenol-d6	6.34	99	16697	2.74	ng	-0.02
23) Nitrobenzene-d5	7.27	82	10267	1.98	ng	-0.02
42) 2,4,6-Tribromophenol	10.53	330	4523	2.43	ng	-0.02
45) 2-Fluorobiphenyl	9.06	172	26004	2.38	ng	-0.02
79) Terphenyl-d14	12.80	244	34139	2.15	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
71) Phenanthrene	11.24	178	128182	7.111	ng	99
72) Anthracene	11.30	178	38164	2.110	ng	99
75) Fluoranthene	12.43	202	308045	15.348	ng	99
78) Pyrene	12.66	202	282238	12.239	ng	100
81) Benzo(a)anthracene	13.84	228	160111	7.623	ng	99
83) Chrysene	13.88	228	127611	5.951	ng	96
87) Indeno(1,2,3-cd)pyrene	16.63	276	68589	2.855	ng	99
88) Benzo(b)fluoranthene	14.87	252	172687m	7.977	ng	
89) Benzo(k)fluoranthene	14.89	252	53140m	2.643	ng	
90) Benzo(a)pyrene	15.21	252	126331	6.466	ng	99
92) Benzo(g,h,i)perylene	17.03	276	67028	3.300	ng	99

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

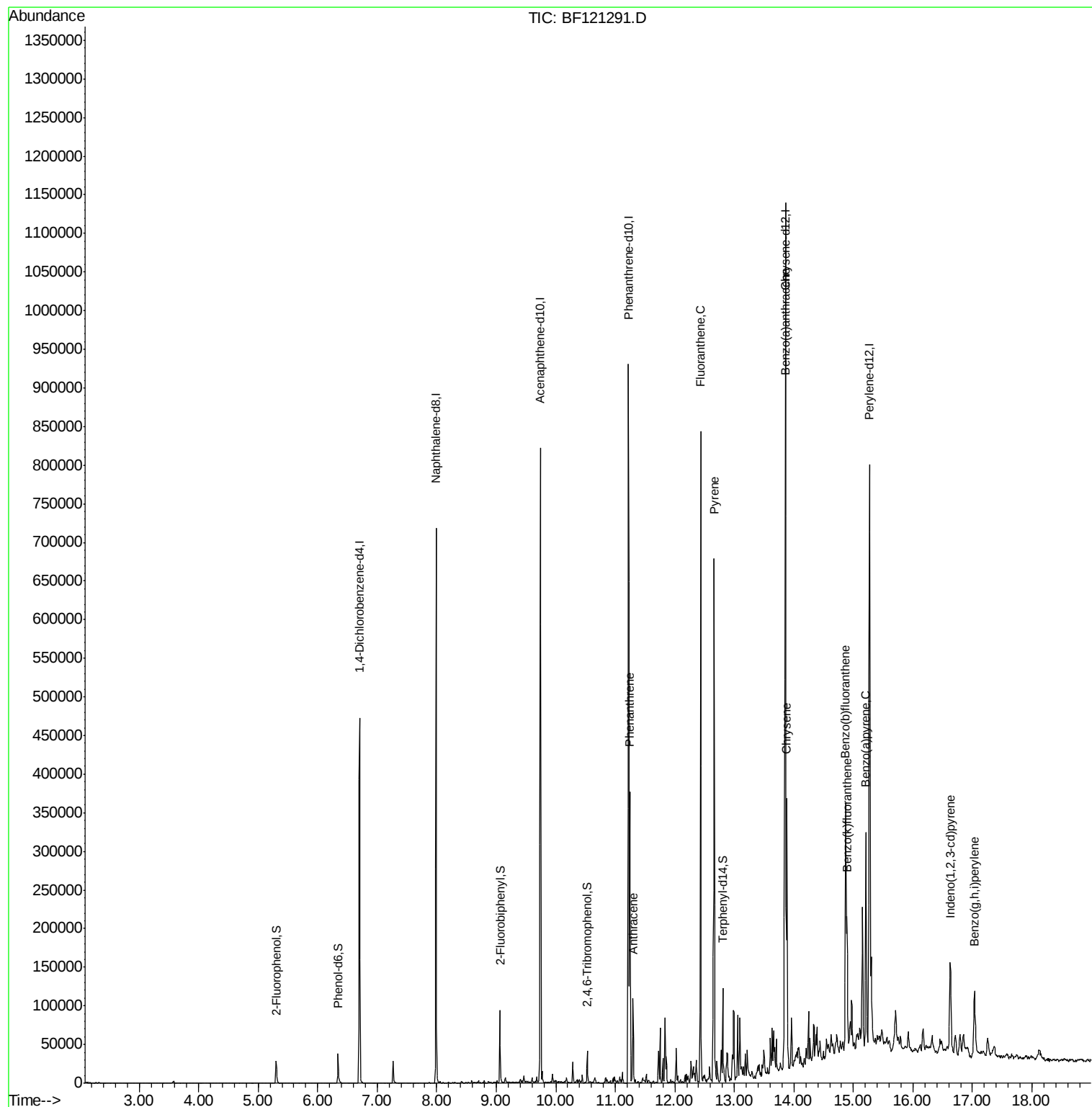
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081420\
Data File : BF121291.D
Acq On : 14 Aug 2020 18:18
Operator : JU/CG
Sample : L3504-01DL 50X
Misc :
ALS Vial : 5 Sample Multiplier: 1

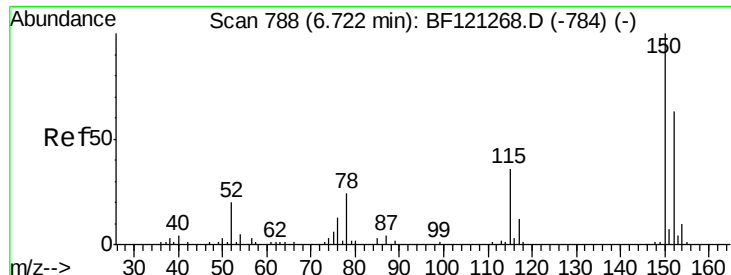
Instrument :
BNA_F
ClientSampleId :
EO-02-081120DL

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Quant Time: Aug 17 06:49:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

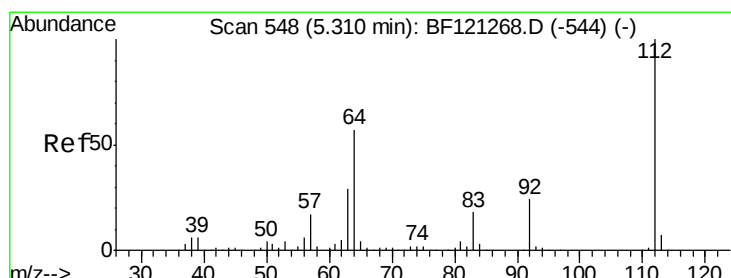
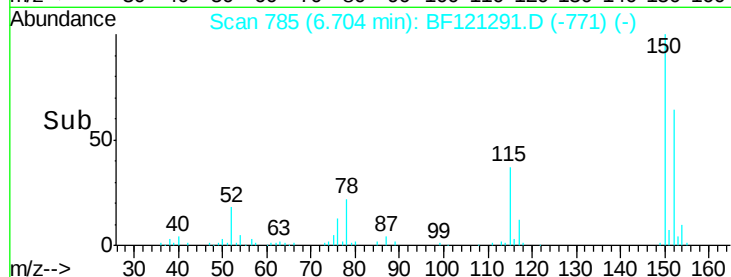
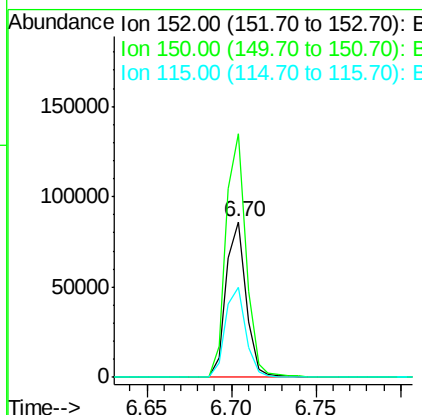
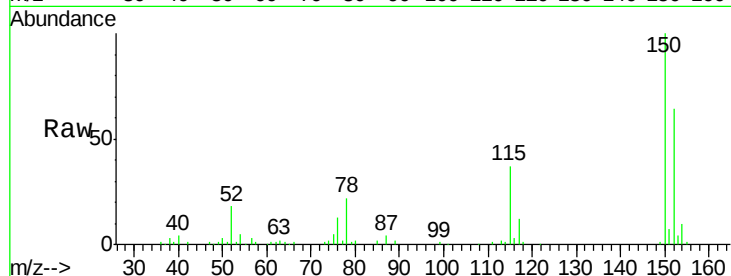
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.02 min
Lab File: BF121291.D
Acq: 14 Aug 2020 18:18

Instrument :
BNA_F
ClientSampleId :
EO-02-081120DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	129.0	193.6
115	57.5	49.0	73.4

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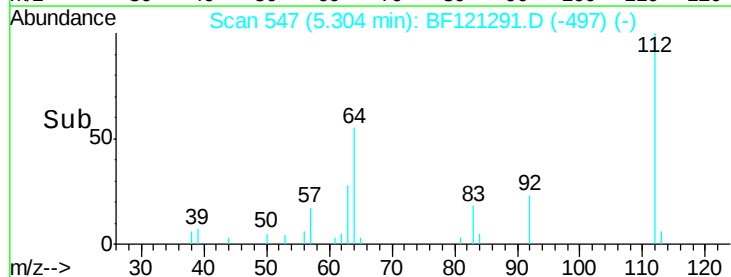
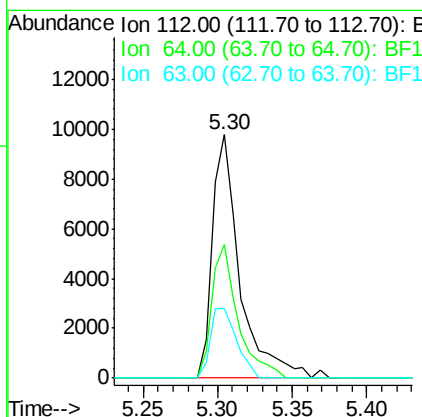
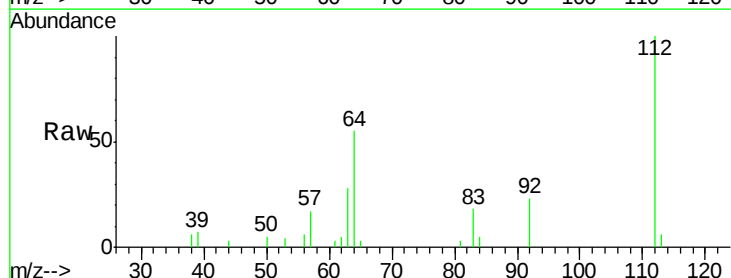
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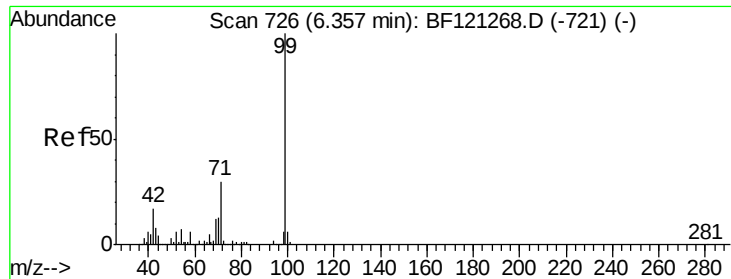


#5

2-Fluorophenol
Concen: 2.648 ng
RT: 5.30 min Scan# 547
Delta R.T. -0.01 min
Lab File: BF121291.D
Acq: 14 Aug 2020 18:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	45.4	68.2
63	28.3	23.0	34.6





#7

Phenol-d6

Concen: 2.742 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF121291.D

Acq: 14 Aug 2020 18:18

Instrument :

BNA_F

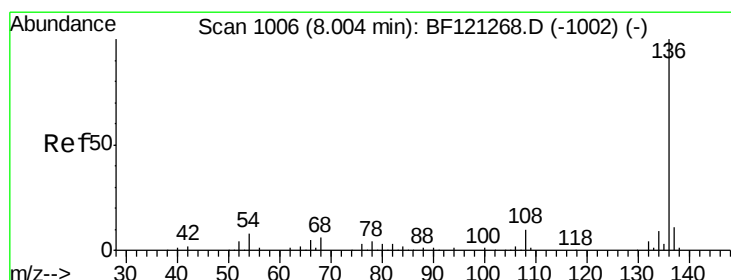
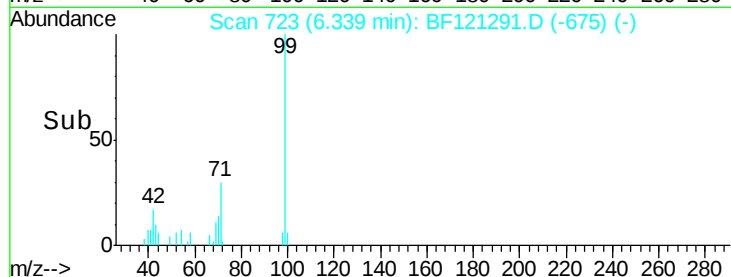
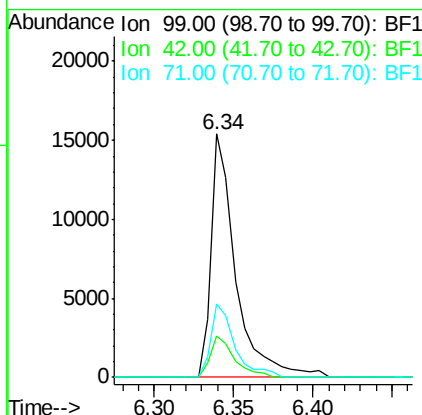
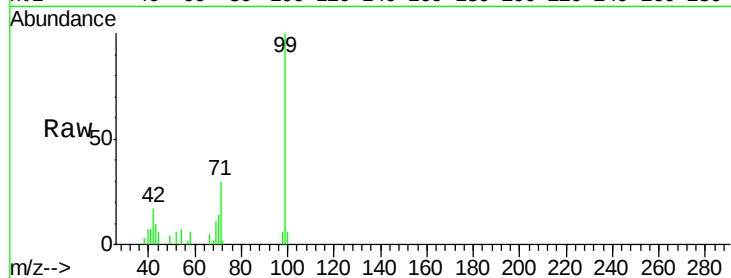
ClientSampleId :

EO-02-081120DL

Tot Ion:	99	Resp:	16697
Ion Ratio	Lower	Upper	
99	100		
42	17.2	13.1	19.7
71	30.1	23.7	35.5

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#21

Naphthalene-d8

Concen: 20.000 ng

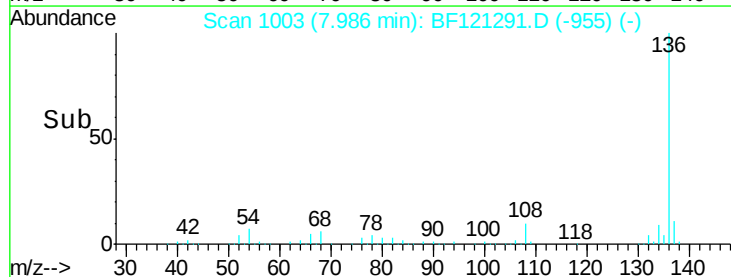
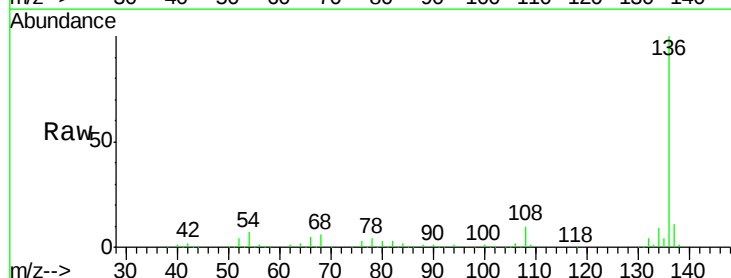
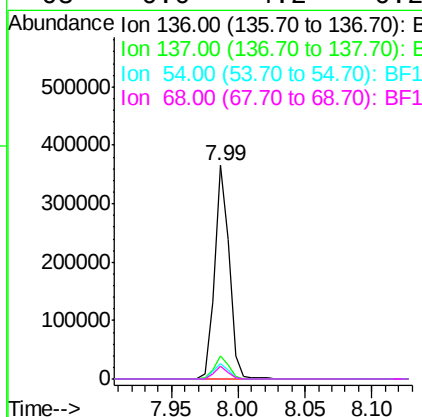
RT: 7.99 min Scan# 1003

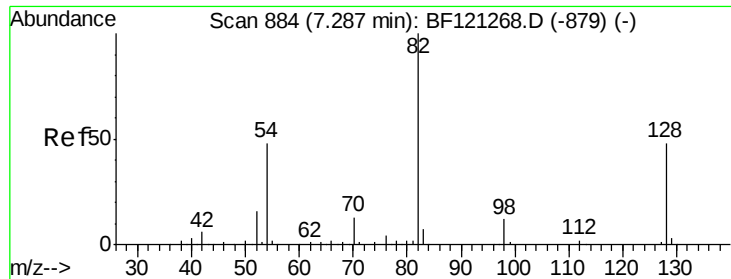
Delta R.T. -0.02 min

Lab File: BF121291.D

Acq: 14 Aug 2020 18:18

Tgt Ion:	136	Resp:	282812
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.6	13.0
54	7.5	5.3	7.9
68	6.0	4.2	6.2





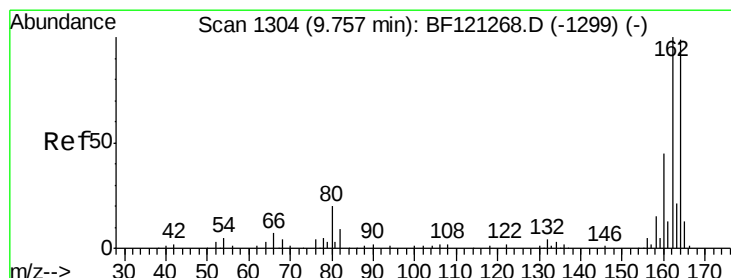
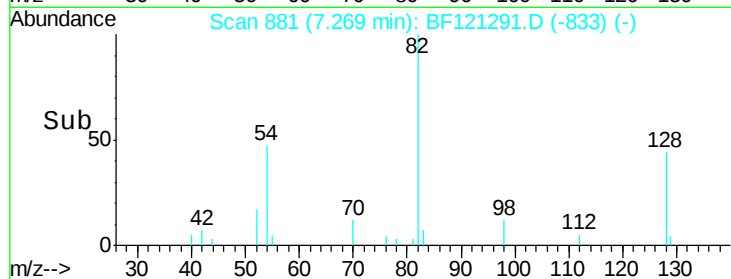
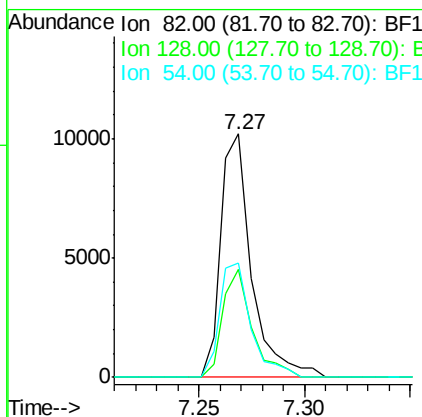
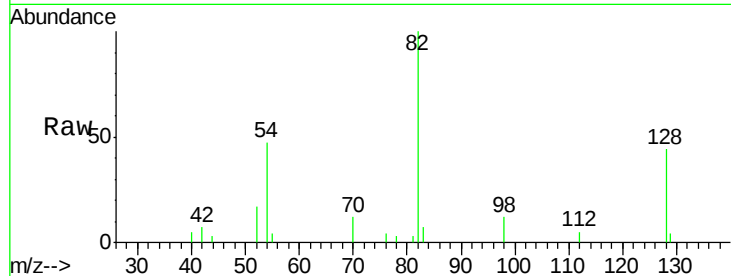
#23
Nitrobenzene-d5
Concen: 1.984 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF121291.D
Acq: 14 Aug 2020 18:18

Instrument :
BNA_F
ClientSampled :
EO-02-081120DL

Tot Ion	82	Resp	10267
Ion Ratio	100	Lower	Upper
82	100		
128	44.5	39.8	59.8
54	47.2	37.7	56.5

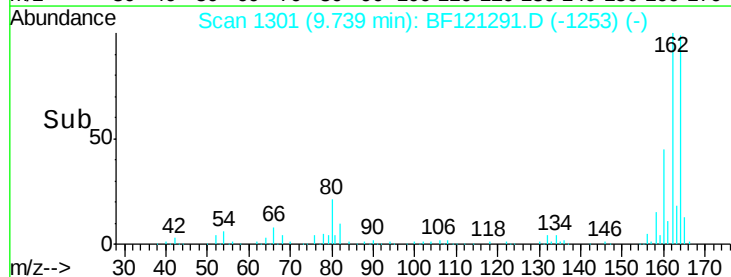
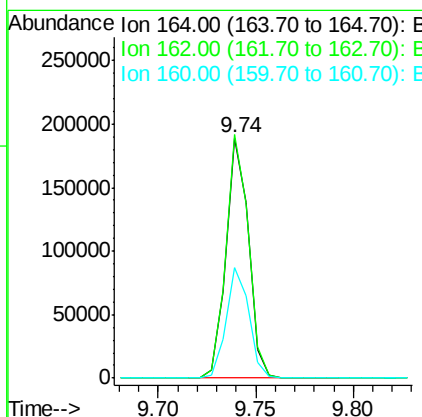
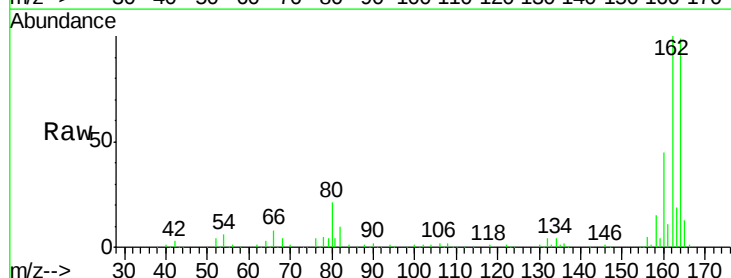
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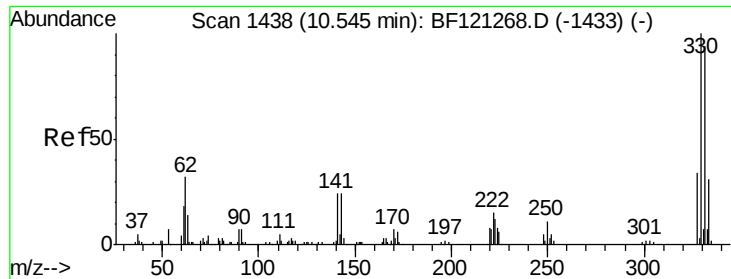
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF121291.D
Acq: 14 Aug 2020 18:18

Tgt Ion	164	Resp	151378
Ion Ratio	100	Lower	Upper
164	100		
162	101.3	81.2	121.8
160	46.1	36.9	55.3





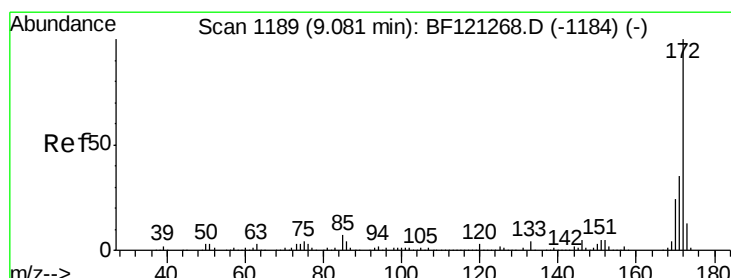
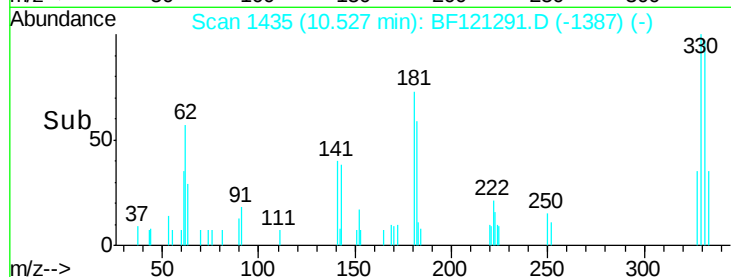
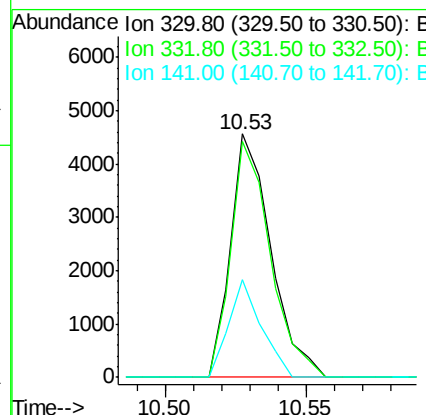
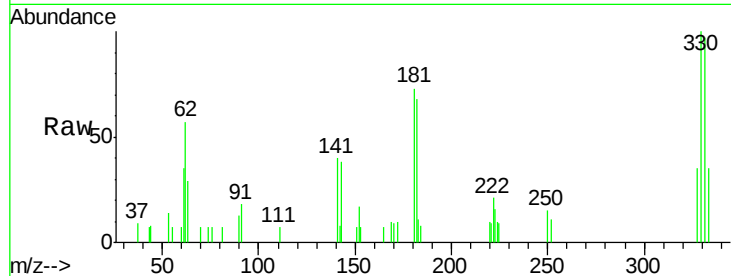
#42
 2,4,6-Tribromophenol
 Concen: 2.427 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF121291.D
 Acq: 14 Aug 2020 18:18

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081120DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.1	75.4	113.0
141	32.2	23.4	35.2

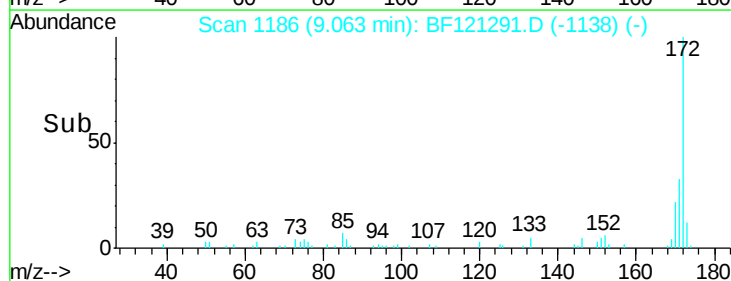
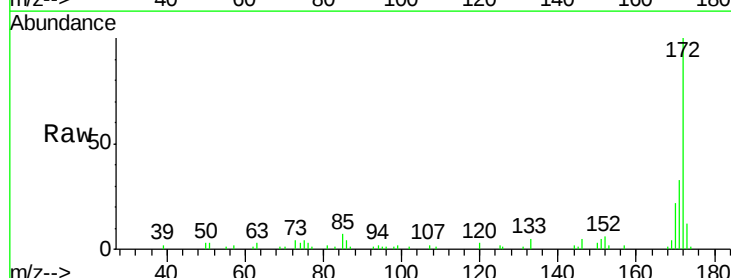
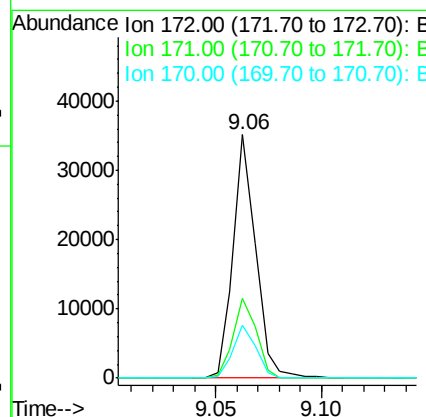
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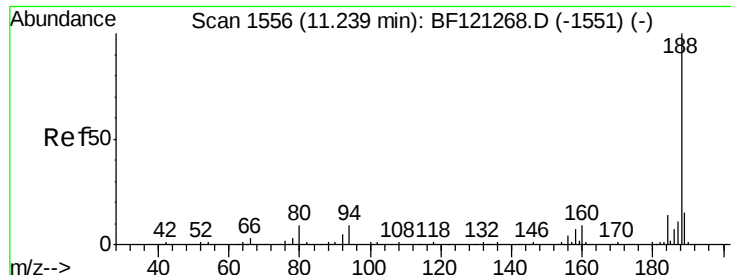
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#45
 2-Fluorobiphenyl
 Concen: 2.376 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF121291.D
 Acq: 14 Aug 2020 18:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.6	28.3	42.5
170	22.0	19.3	28.9





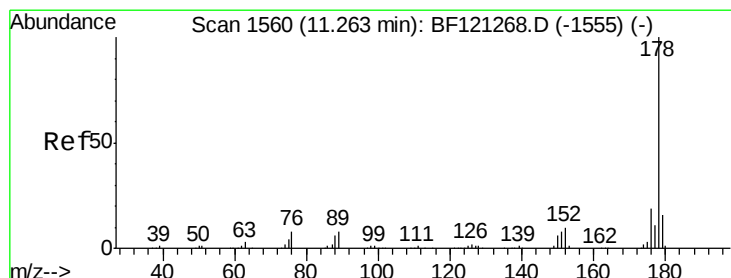
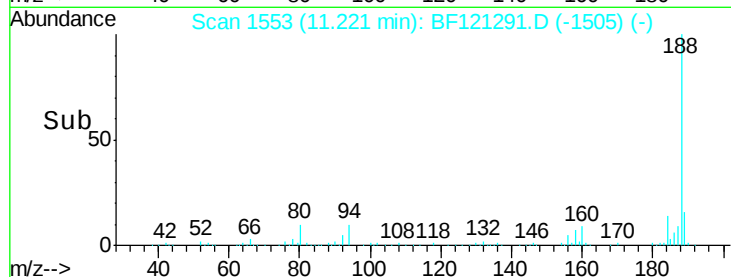
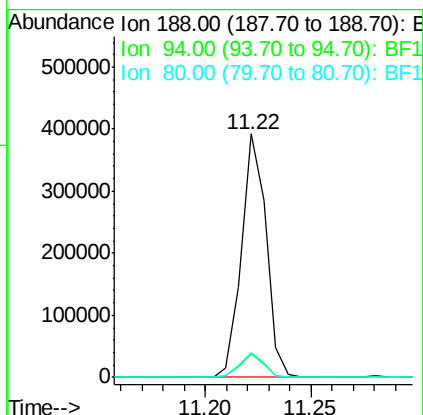
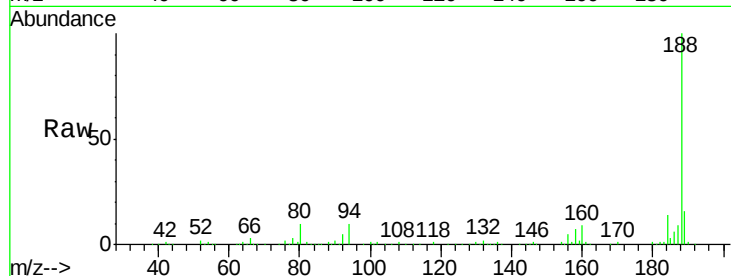
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF121291.D
Acq: 14 Aug 2020 18:18

Instrument :
BNA_F
ClientSampleID :
EO-02-081120DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	315074		
94	9.9		7.0	10.6
80	10.0		7.4	11.0

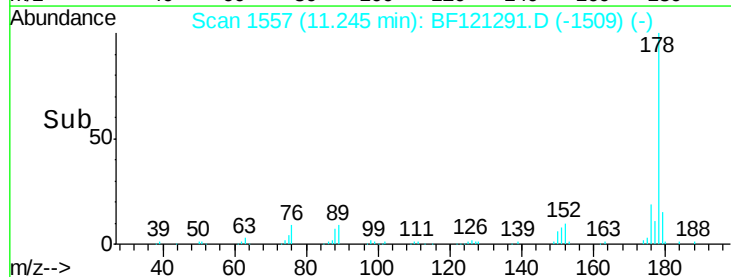
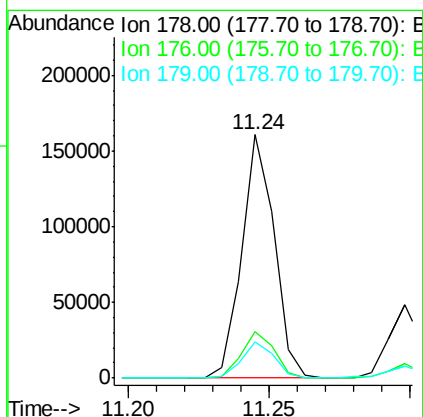
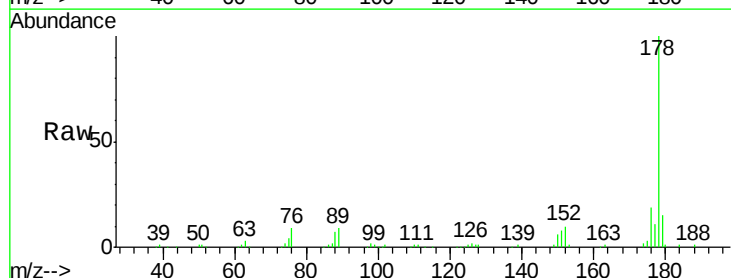
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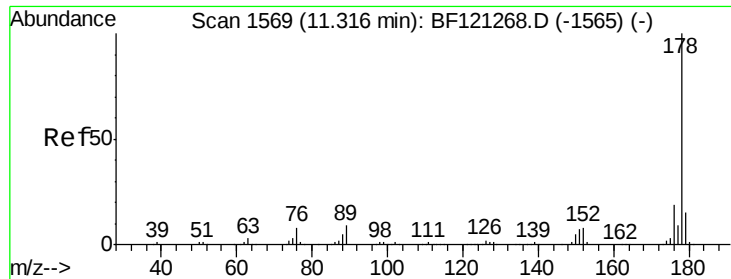
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#71
Phenanthrene
Concen: 7.111 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF121291.D
Acq: 14 Aug 2020 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	128182		
176	19.3		15.8	23.8
179	15.1		12.6	19.0





#72

Anthracene

Concen: 2.110 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.02 min

Lab File: BF121291.D

Acq: 14 Aug 2020 18:18

Instrument :

BNA_F

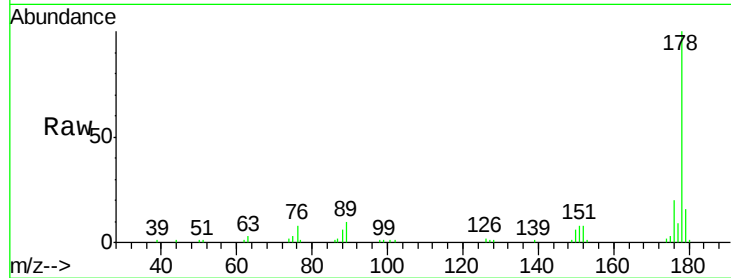
ClientSampleId :

EO-02-081120DL

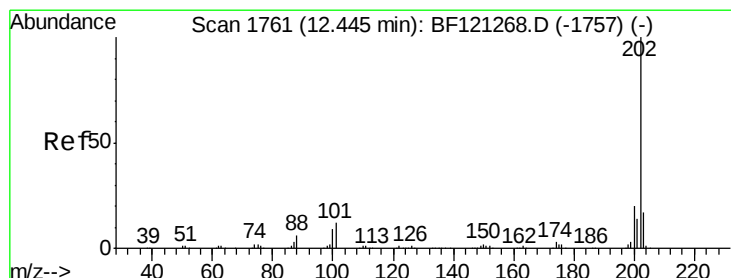
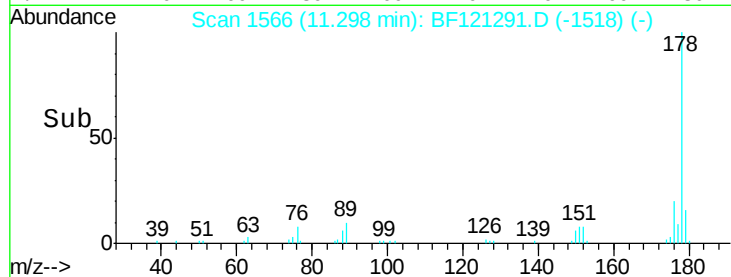
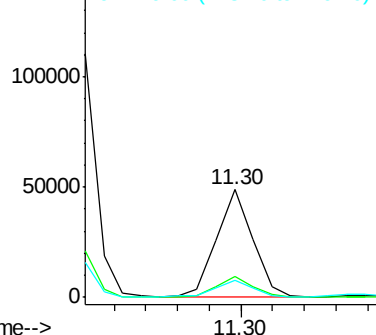
Tot Ion:	178	Resp:	38164
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.2	22.8
179	15.9	12.4	18.6

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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: 15.348 ng

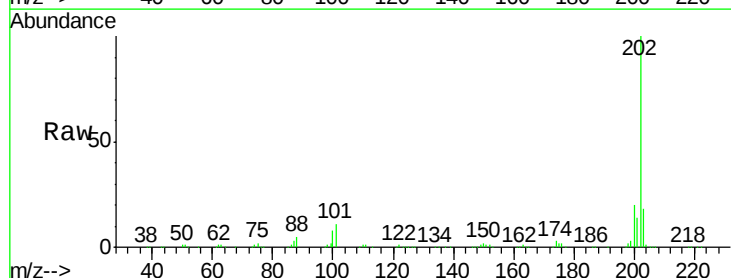
RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

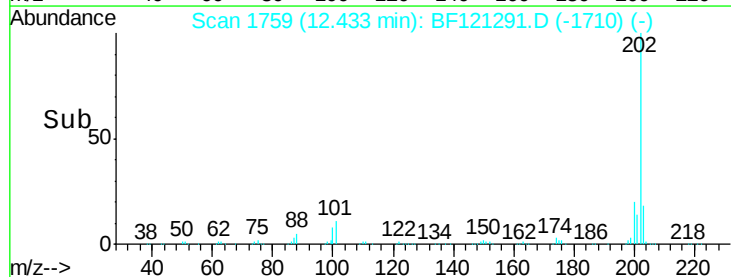
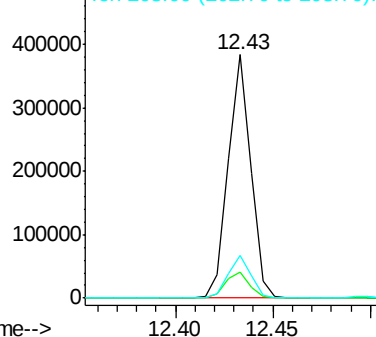
Lab File: BF121291.D

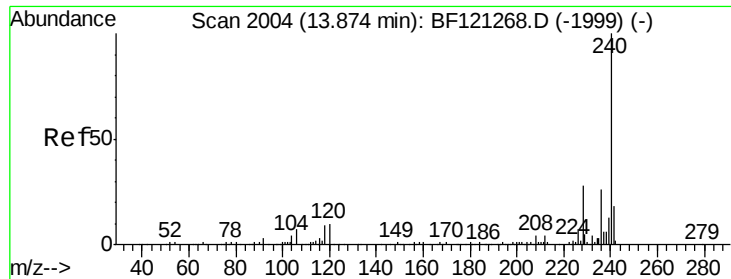
Acq: 14 Aug 2020 18:18

Tgt Ion:	202	Resp:	308045
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	30.6
203	17.7	0.0	38.0



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





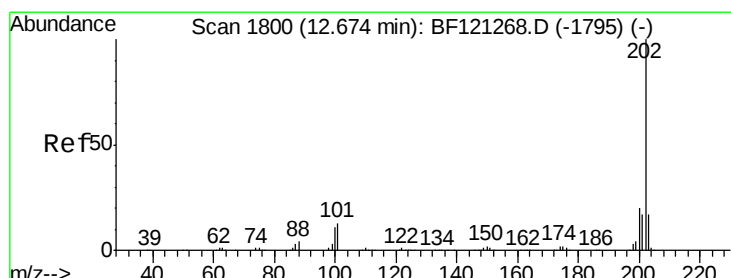
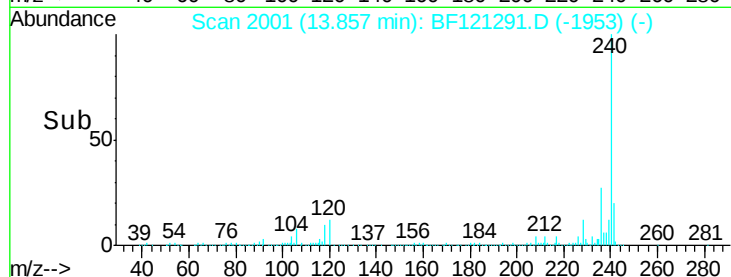
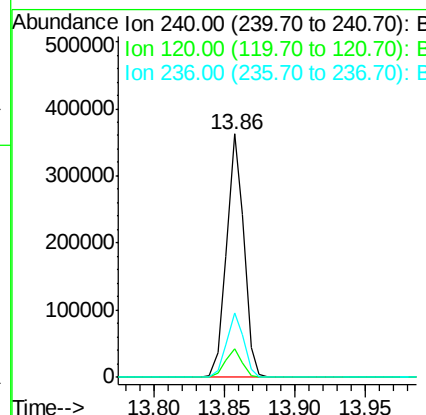
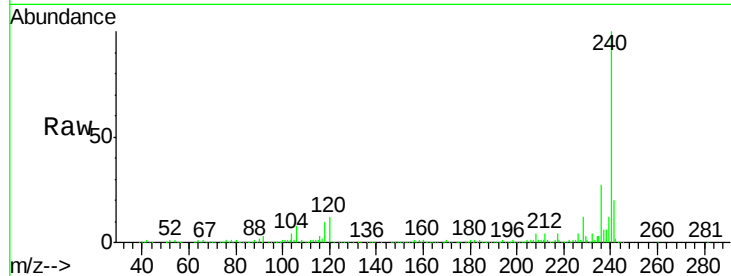
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF121291.D
Acq: 14 Aug 2020 18:18

Instrument :
BNA_F
ClientSampleId :
EO-02-081120DL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	309675		
120	11.7	9.2	13.8	
236	26.6	21.0	31.4	

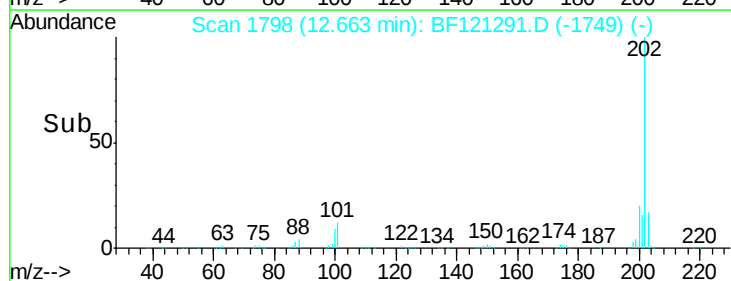
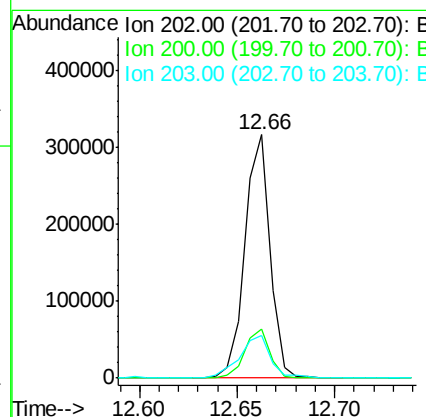
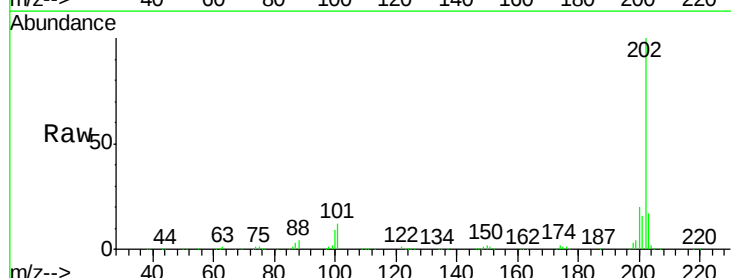
Manual Integrations
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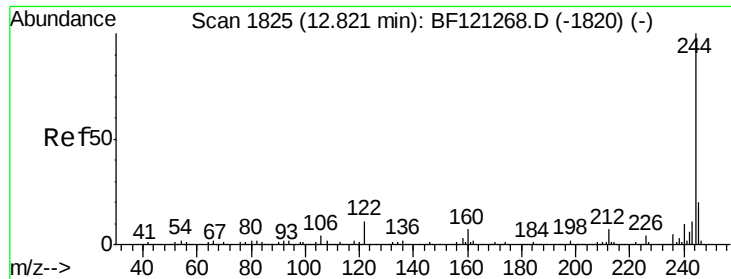
mohammad
8/18/2020 1:42:06 PM



#78
Pyrene
Concen: 12.239 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.01 min
Lab File: BF121291.D
Acq: 14 Aug 2020 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	282238		
200	20.0	16.3	24.5	
203	17.3	13.8	20.8	





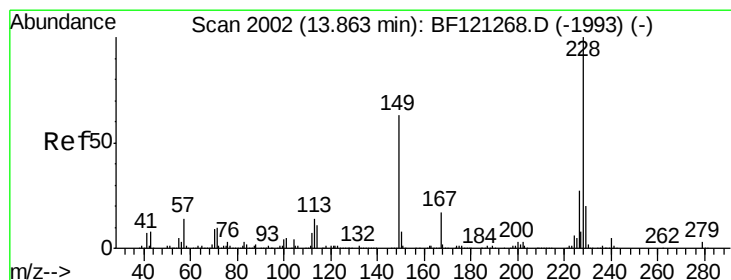
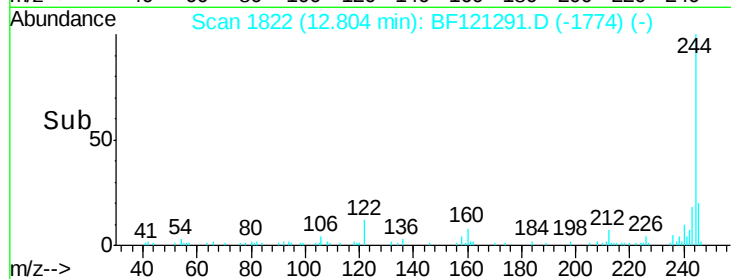
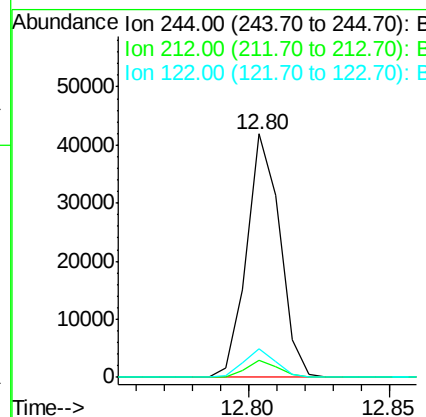
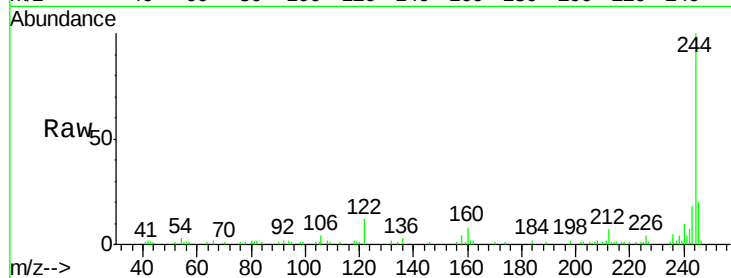
#79
 Terphenyl-d14
 Concen: 2.149 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.02 min
 Lab File: BF121291.D
 Acq: 14 Aug 2020 18:18

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081120DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	11.9	9.1	13.7

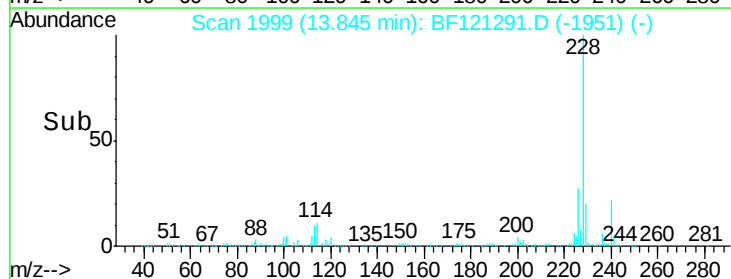
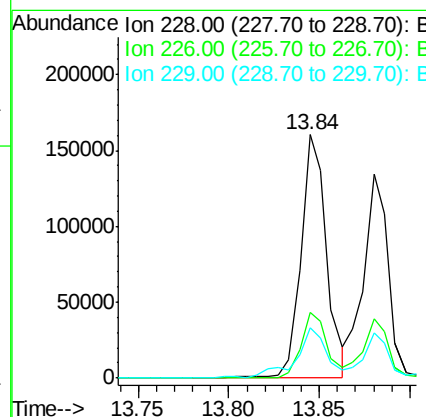
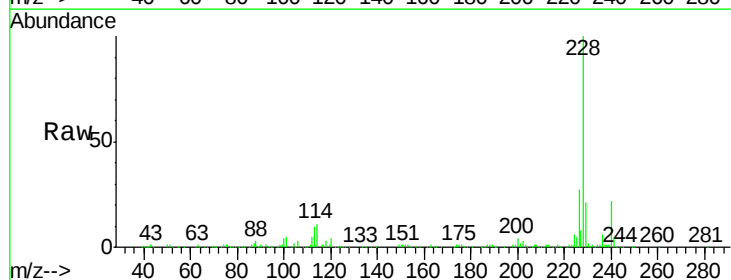
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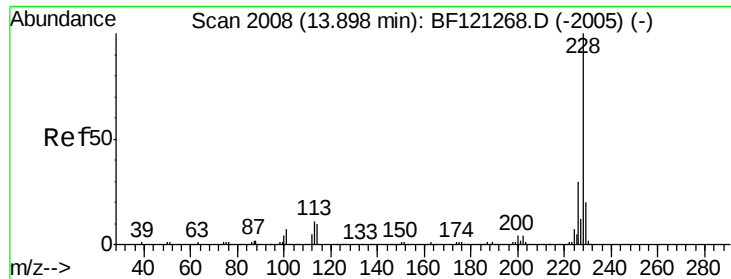
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#81
 Benzo(a)anthracene
 Concen: 7.623 ng
 RT: 13.84 min Scan# 1999
 Delta R.T. -0.02 min
 Lab File: BF121291.D
 Acq: 14 Aug 2020 18:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.0	33.0
229	20.5	16.0	24.0





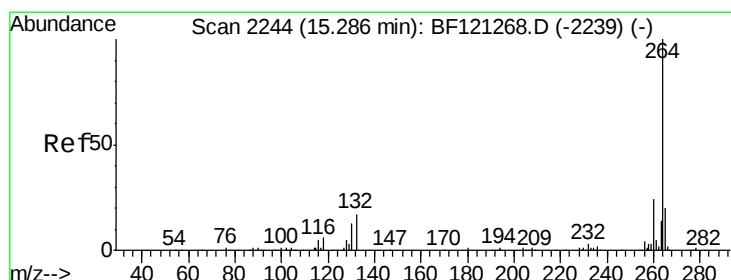
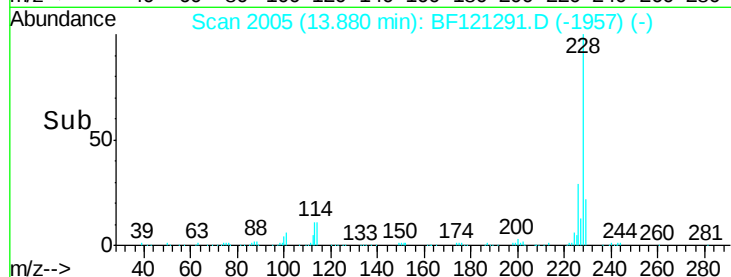
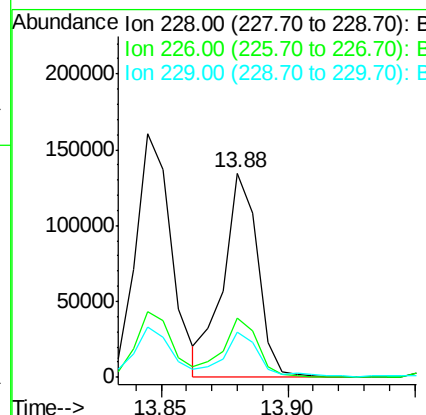
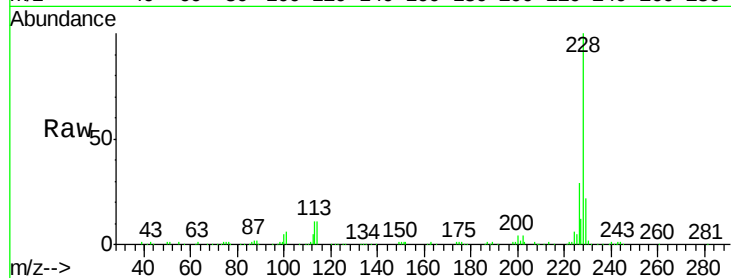
#83
Chrysene
Concen: 5.951 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF121291.D
Acq: 14 Aug 2020 18:18

Instrument :
BNA_F
ClientSampleId :
EO-02-081120DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.8	37.2
229	22.4	16.2	24.2

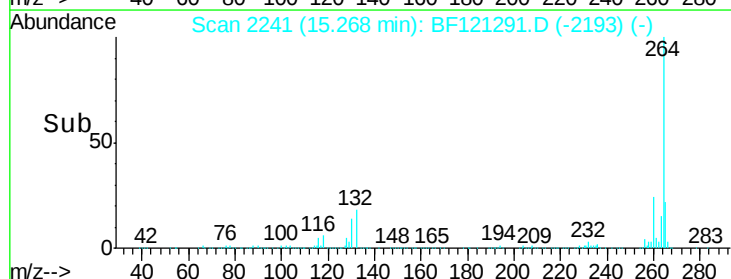
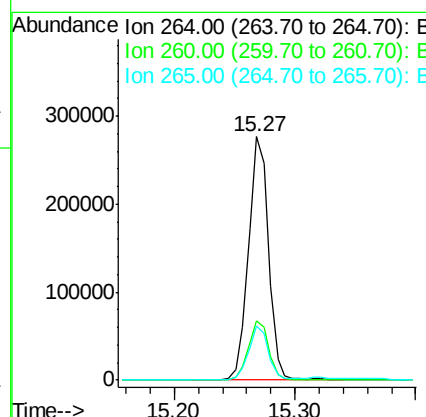
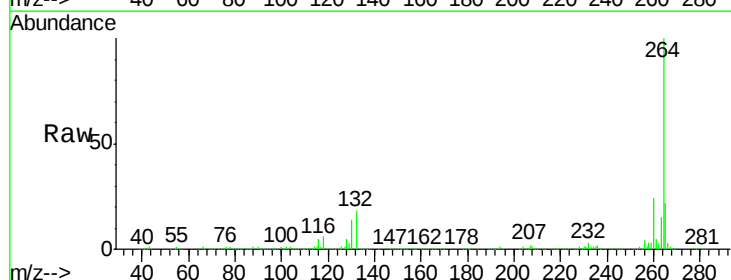
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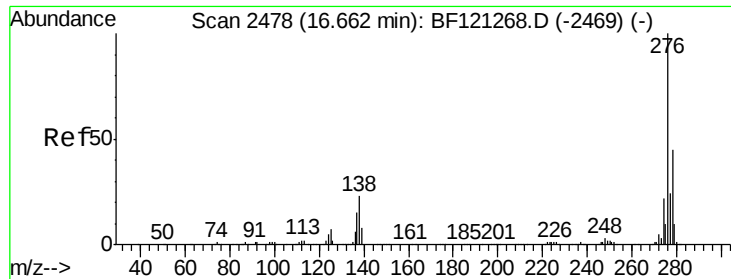
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.02 min
Lab File: BF121291.D
Acq: 14 Aug 2020 18:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.1	17.1	25.7





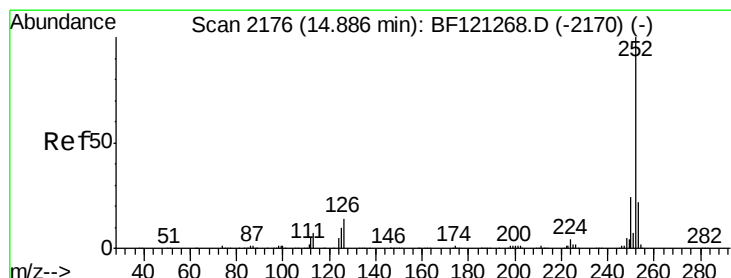
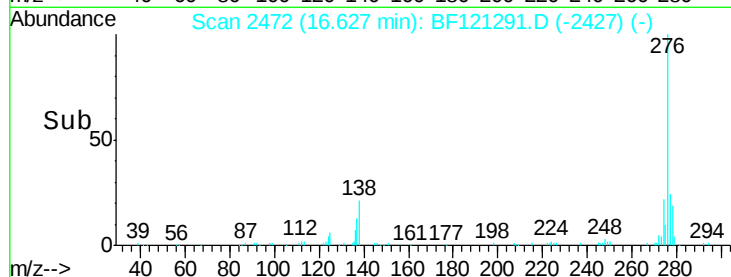
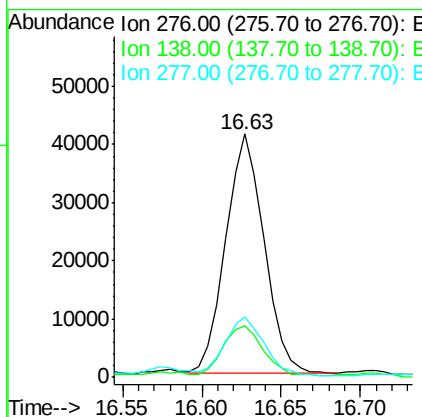
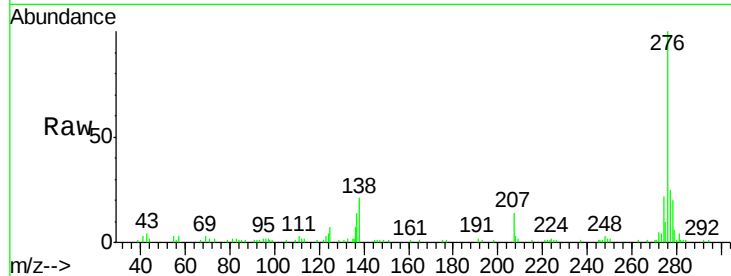
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.855 ng
 RT: 16.63 min Scan# 2472
 Delta R.T. -0.04 min
 Lab File: BF121291.D
 Acq: 14 Aug 2020 18:18

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081120DL

Tot Ion:	276	Resp:	68589
Ion Ratio	Lower	Upper	
276	100		
138	23.8	19.6	29.4
277	25.0	20.0	30.0

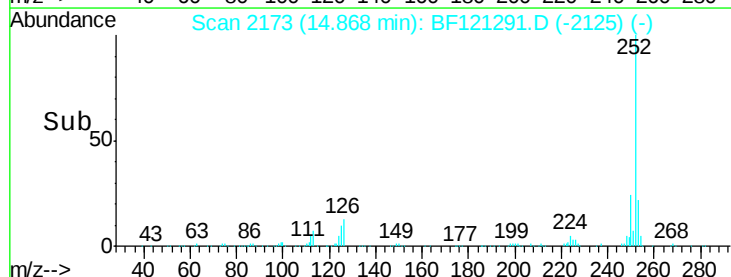
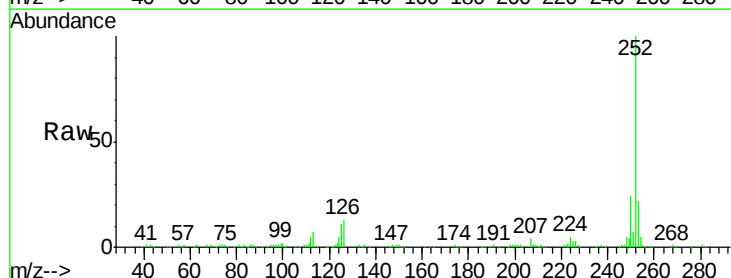
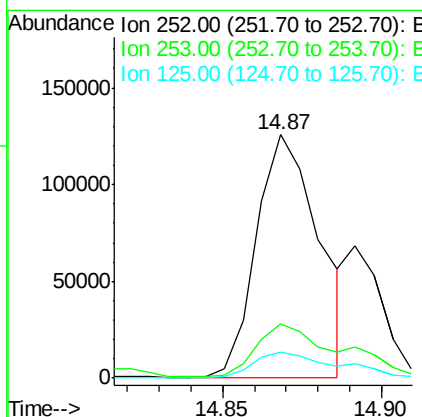
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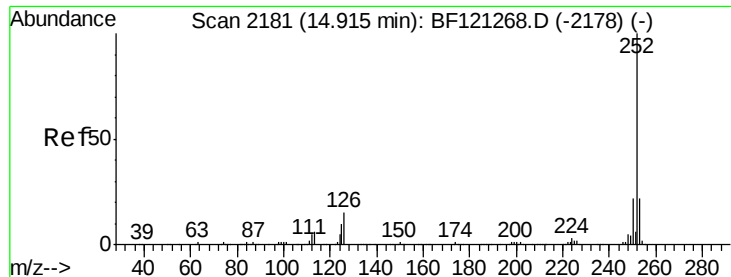
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#88
 Benzo(b)fluoranthene
 Concen: 7.977 ng m
 RT: 14.87 min Scan# 2173
 Delta R.T. -0.02 min
 Lab File: BF121291.D
 Acq: 14 Aug 2020 18:18

Tgt Ion:	252	Resp:	172687
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.9	26.9
125	10.6	7.6	11.4





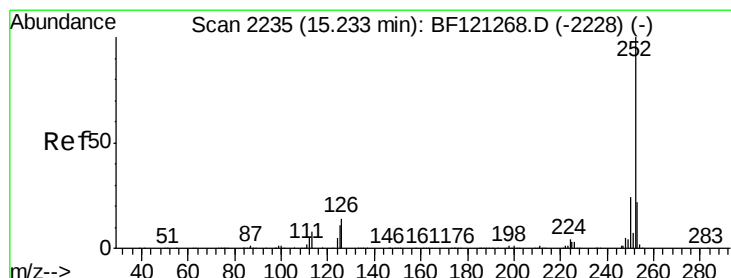
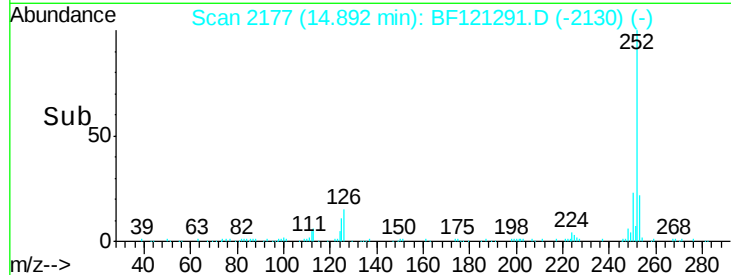
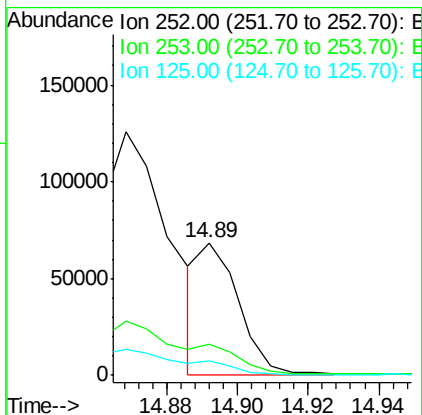
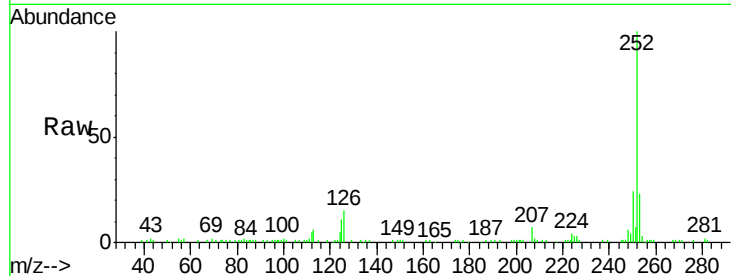
#89
Benzo(k)fluoranthene
Concen: 2.643 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF121291.D
Acq: 14 Aug 2020 18:18

Instrument :
BNA_F
ClientSampleId :
EO-02-081120DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.2	8.8	13.2

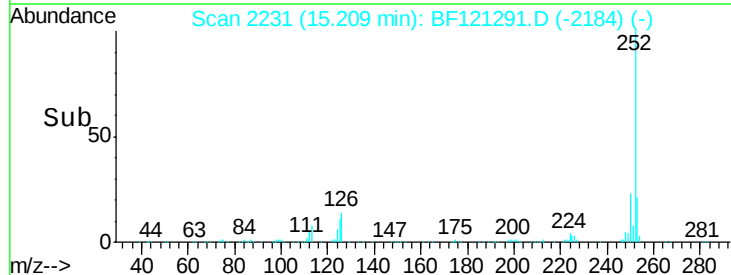
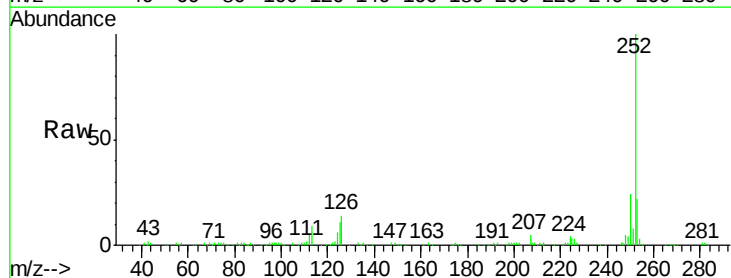
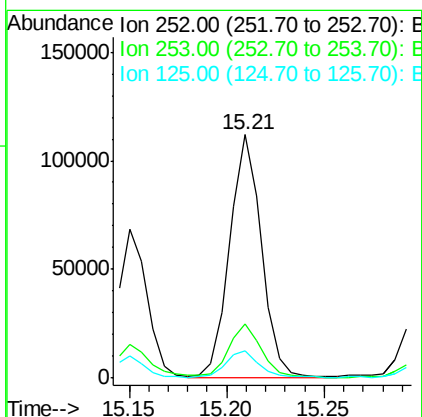
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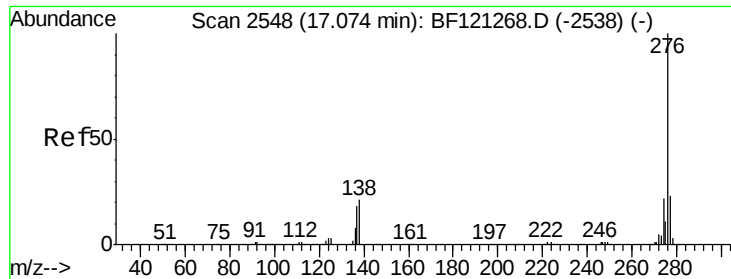
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#90
Benzo(a)pyrene
Concen: 6.466 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.02 min
Lab File: BF121291.D
Acq: 14 Aug 2020 18:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	11.0	9.3	13.9





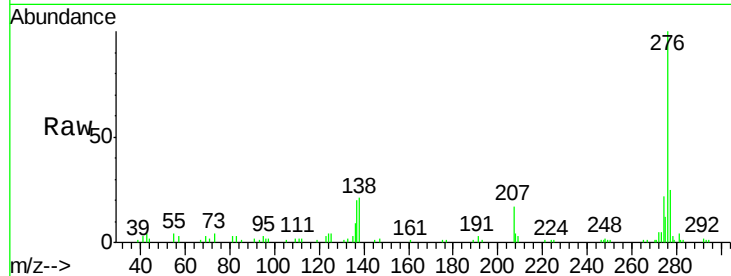
#92
 Benzo(a,h,i)perylene
 Concen: 3.300 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. -0.04 min
 Lab File: BF121291.D
 Acq: 14 Aug 2020 18:18

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081120DL

Tot Ion:	276	Resp:	67028
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.1	28.7
138	20.6	16.2	24.2

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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

