

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081720\
 Data File : BF121305.D
 Acq On : 17 Aug 2020 12:41
 Operator : JU/CG
 Sample : L3660-08 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-58

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Quant Time: Aug 17 13:47:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 10:52:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	92260	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	356490	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	187839	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	370237	20.00	ng	0.00
76) Chrysene-d12	13.86	240	323995	20.00	ng	0.00
86) Perylene-d12	15.27	264	307378	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	209178	34.37	ng	0.00
7) Phenol-d6	6.34	99	252670	32.22	ng	0.00
23) Nitrobenzene-d5	7.26	82	161987	24.83	ng	-0.01
42) 2,4,6-Tribromophenol	10.53	330	79634	34.43	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	333164	24.53	ng	0.00
79) Terphenyl-d14	12.80	244	395496	23.80	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
71) Phenanthrene	11.25	178	69530	3.283	ng	99
75) Fluoranthene	12.43	202	181238	7.684	ng	97
78) Pyrene	12.66	202	156908	6.503	ng	99
81) Benzo(a)anthracene	13.84	228	72825	3.314	ng	100
83) Chrysene	13.88	228	81244	3.621	ng	97
84) Bis(2-ethylhexyl)phthalate	13.84	149	29449	2.168	ng	99
87) Indeno(1,2,3-cd)pyrene	16.62	276	49413	2.162	ng	98
88) Benzo(b)fluoranthene	14.86	252	97047m	4.712	ng	
90) Benzo(a)pyrene	15.21	252	63429	3.412	ng	99
92) Benzo(g,h,i)perylene	17.03	276	48442	2.507	ng	98

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

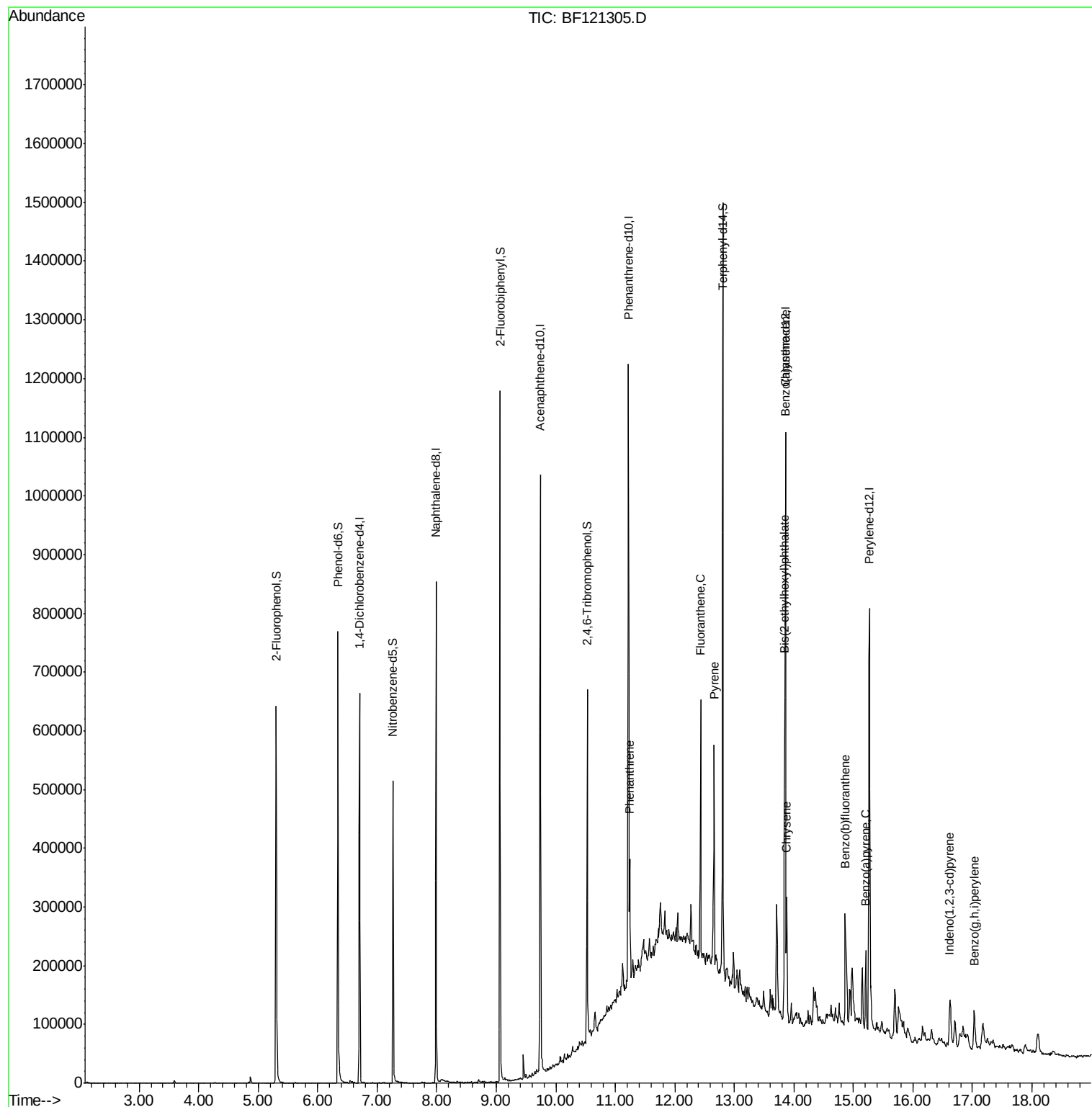
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081720\
Data File : BF121305.D
Acq On : 17 Aug 2020 12:41
Operator : JU/CG
Sample : L3660-08 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

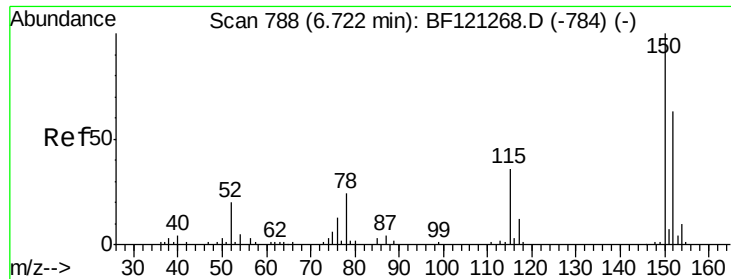
Instrument :
BNA_F
ClientSampleId :
RBR-58

Quant Time: Aug 17 13:47:41 2020
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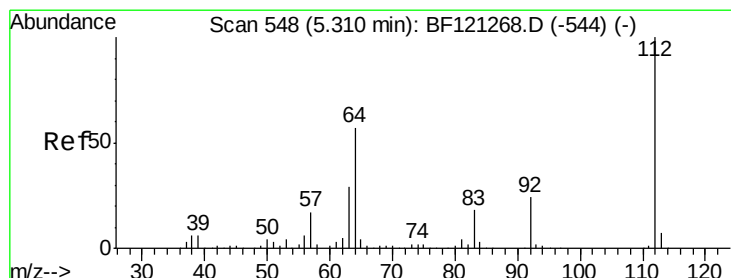
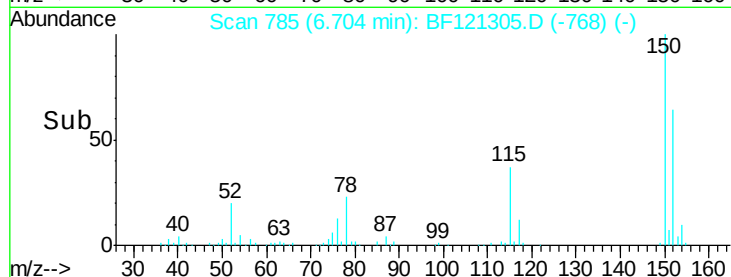
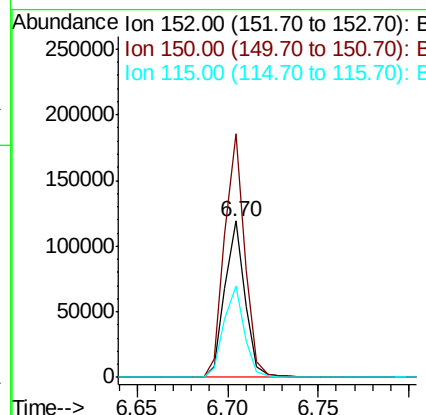
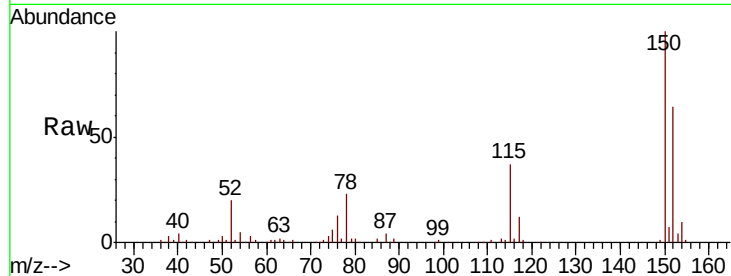
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 785
 Delta R.T. 0.00 min
 Lab File: BF121305.D
 Acq: 17 Aug 2020 12:41

Instrument :
 BNA_F
 ClientSampled :
 RBR-58

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	123.9	185.9
115	58.3	47.3	70.9

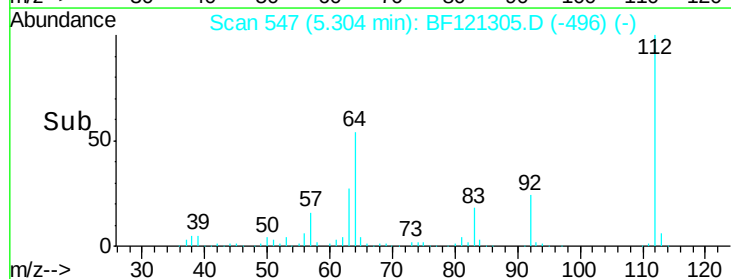
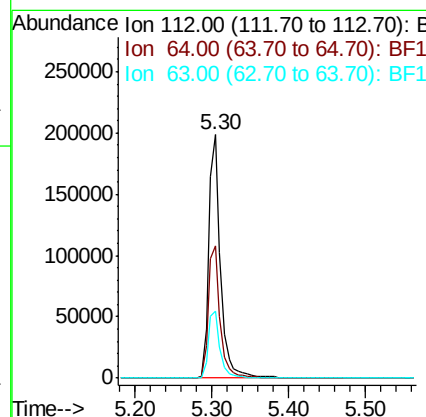
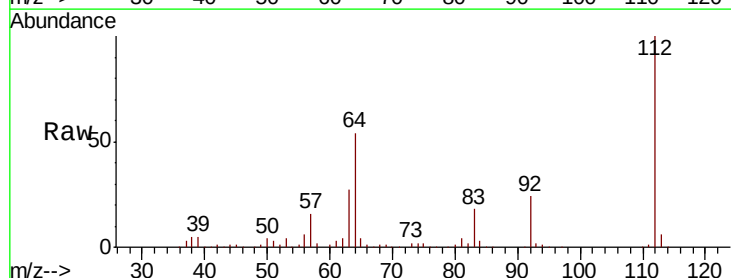
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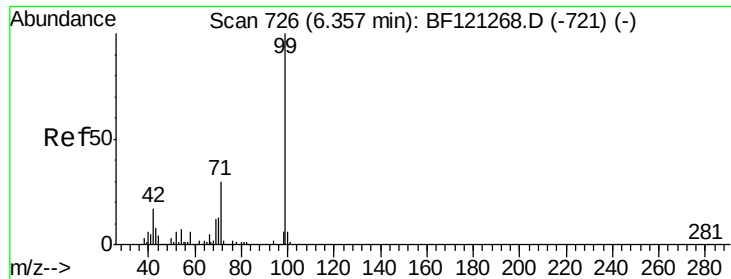
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#5
 2-Fluorophenol
 Concen: 34.373 ng
 RT: 5.30 min Scan# 547
 Delta R.T. 0.00 min
 Lab File: BF121305.D
 Acq: 17 Aug 2020 12:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	42.9	64.3
63	27.4	22.2	33.2





#7

Phenol-d6

Concen: 32.220 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

Instrument :

BNA_F

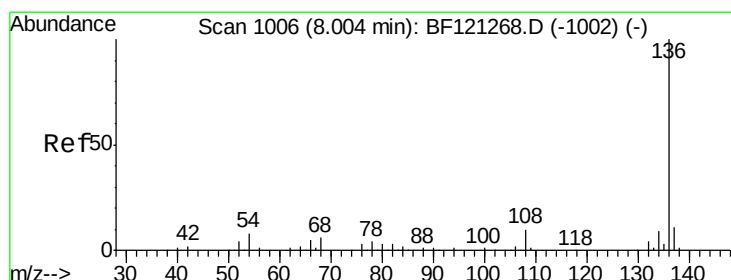
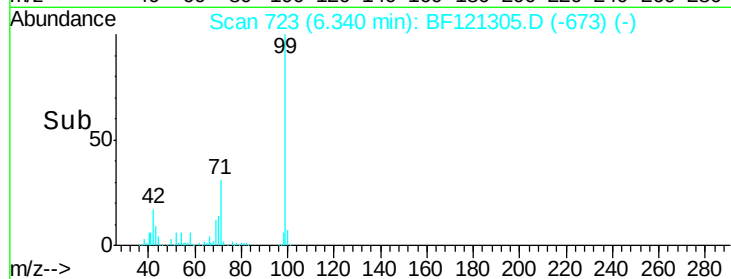
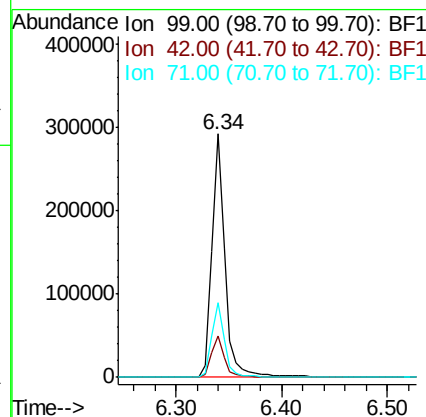
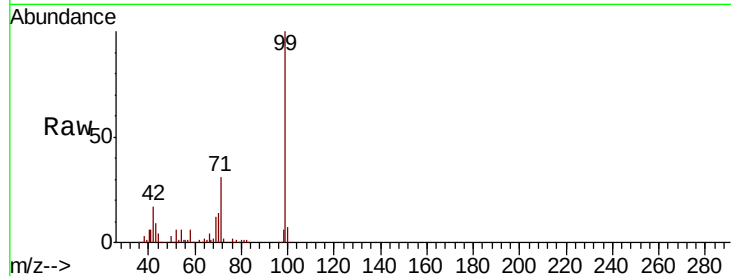
ClientSampleId :

RBR-58

Tot Ion:	99	Resp:	252670
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.8	20.8
71	30.6	24.8	37.2

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#21

Naphthalene-d8

Concen: 20.000 ng

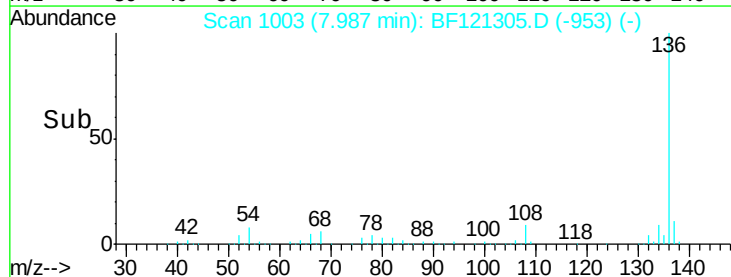
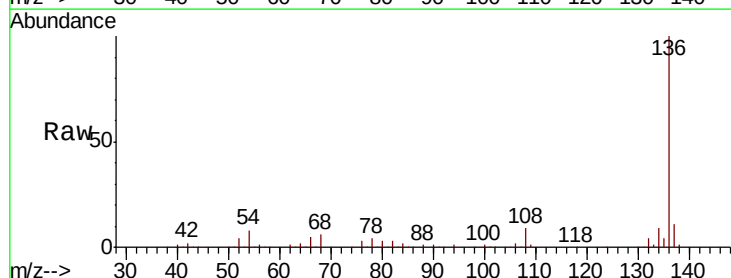
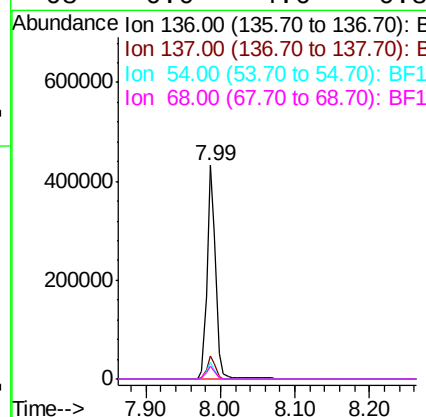
RT: 7.99 min Scan# 1003

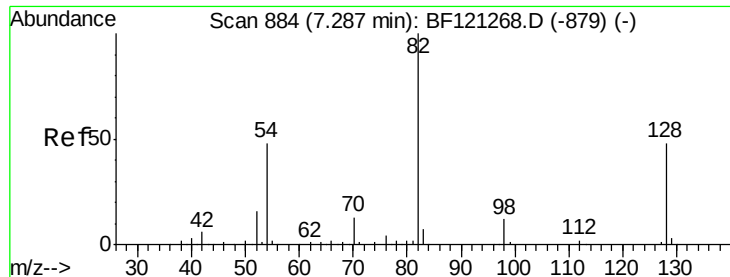
Delta R.T. -0.01 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

Tgt Ion:	136	Resp:	356490
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	7.6	5.4	8.2
68	6.0	4.6	6.8





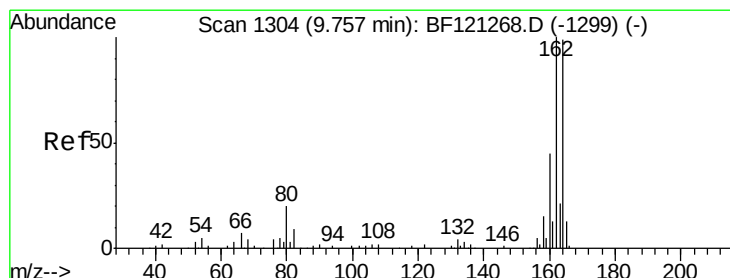
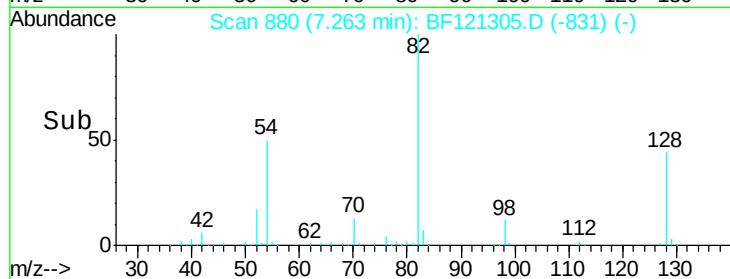
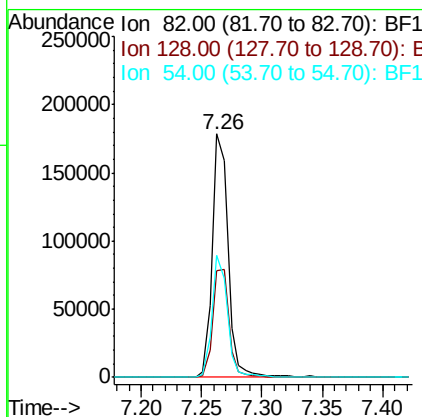
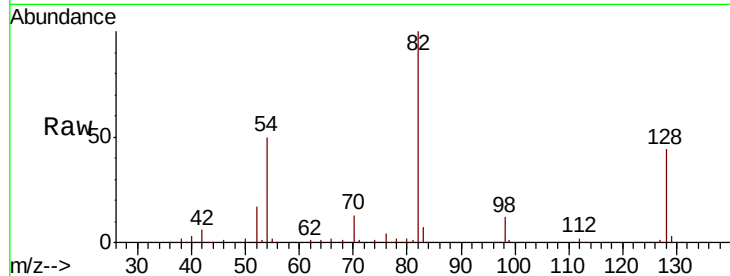
#23
 Nitrobenzene-d5
 Concen: 24.834 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BF121305.D
 Acq: 17 Aug 2020 12:41

Instrument :
 BNA_F
 ClientSampled :
 RBR-58

Tot Ion	Ratio	Resp	Lower	Upper
82	100	161987		
128	44.0		38.2	57.2
54	50.2		38.2	57.4

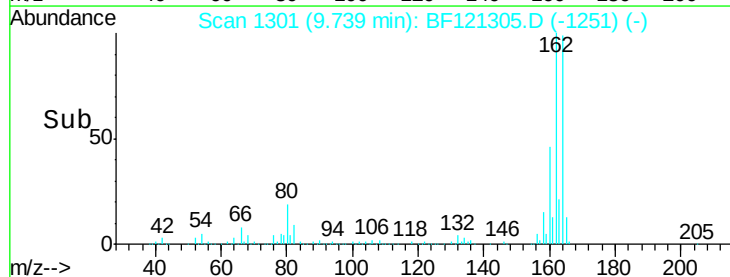
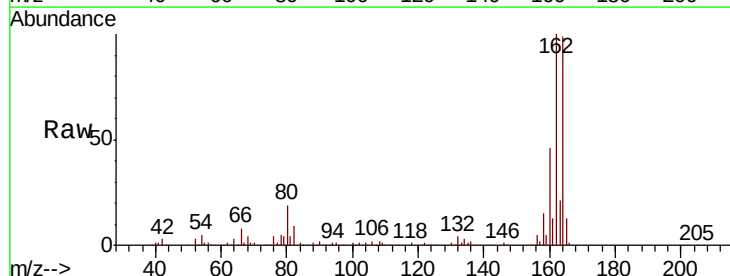
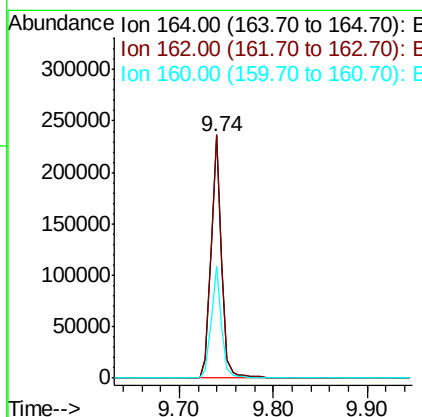
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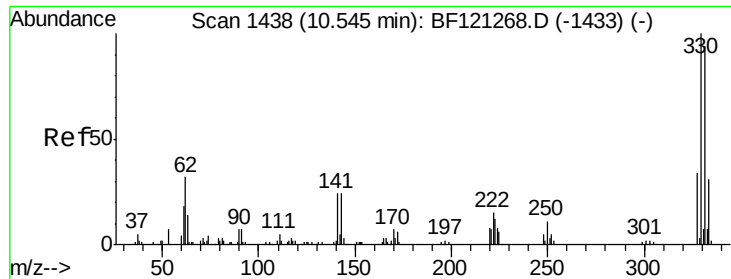
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.01 min
 Lab File: BF121305.D
 Acq: 17 Aug 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	187839		
162	100.5		80.2	120.2
160	46.3		36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 34.434 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.01 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

Instrument :

BNA_F

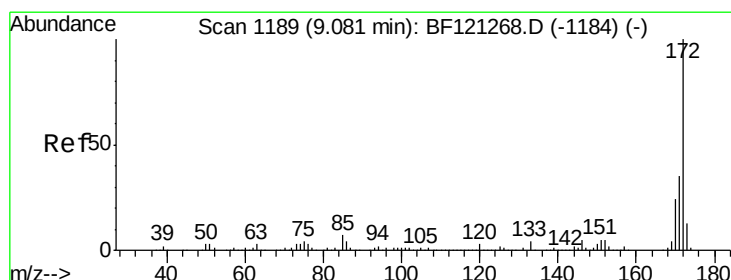
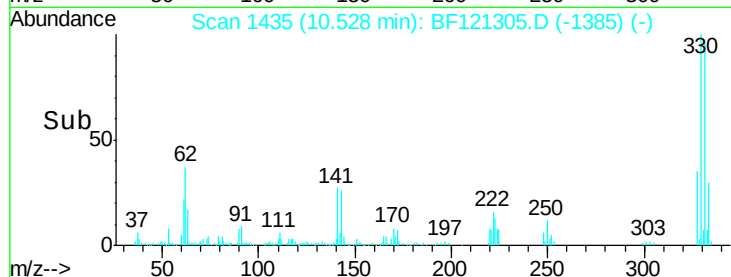
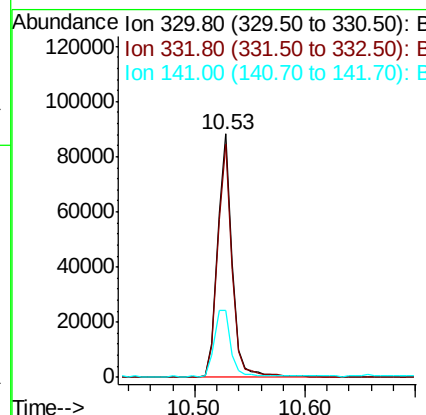
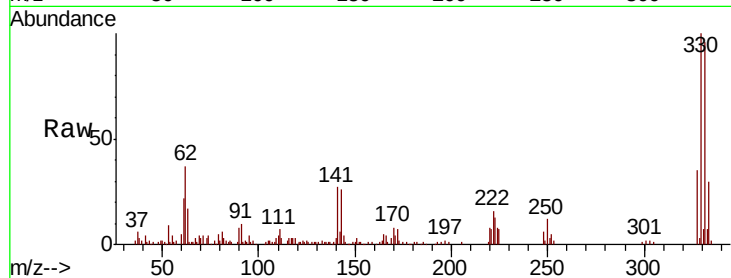
ClientSampled :

RBR-58

Tot Ion:	330	Resp:	79634
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.4	116.0
141	33.0	24.2	36.4

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#45

2-Fluorobiphenyl

Concen: 24.535 ng

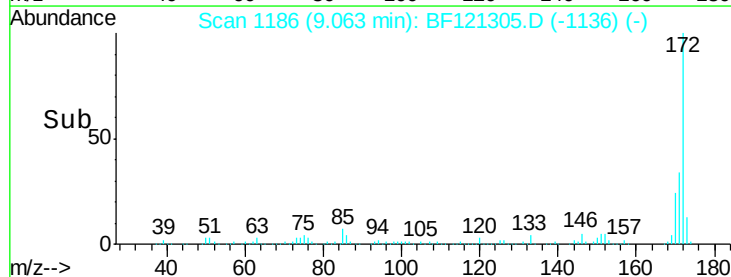
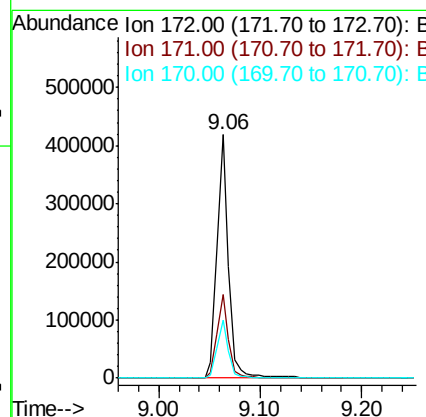
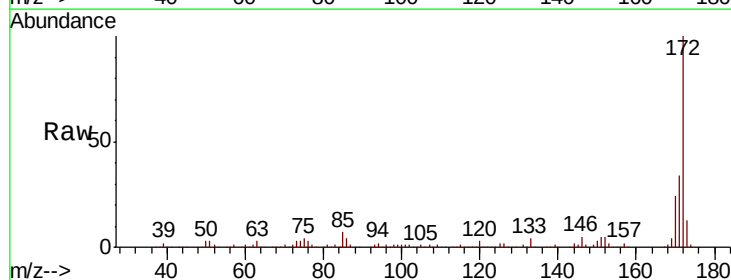
RT: 9.06 min Scan# 1186

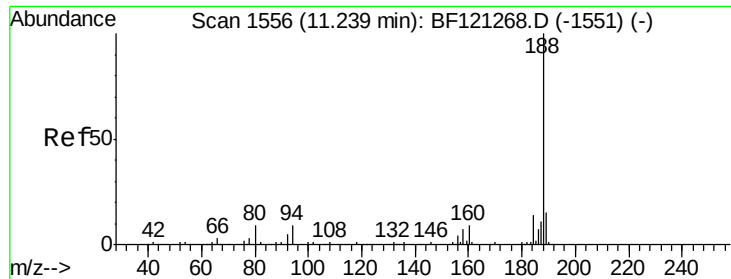
Delta R.T. -0.01 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

Tgt Ion:	172	Resp:	333164
Ion Ratio	Lower	Upper	
172	100		
171	34.2	28.8	43.2
170	23.9	19.3	28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

Instrument :

BNA_F

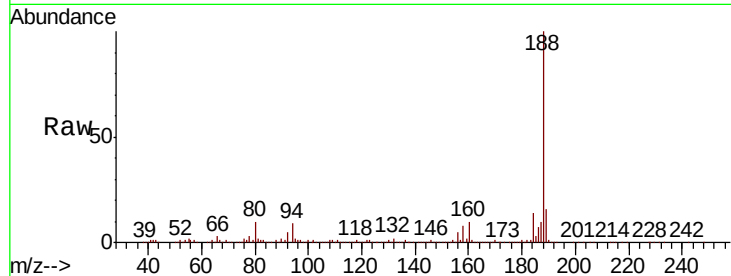
ClientSampleId :

RBR-58

Tot Ion:188	Resp:	370237
Ion Ratio	Lower	Upper
188 100		
94 9.5	6.4	9.6
80 9.6	7.0	10.4

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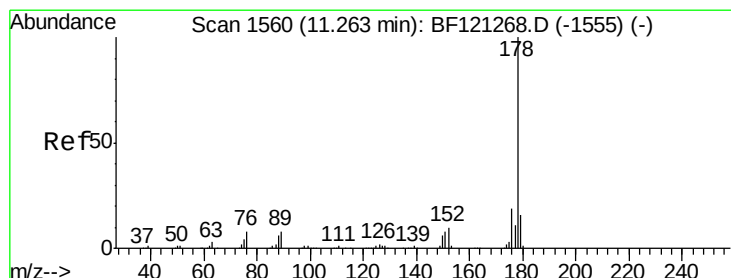
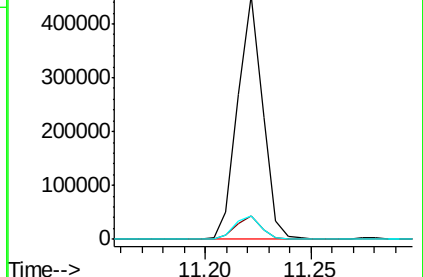
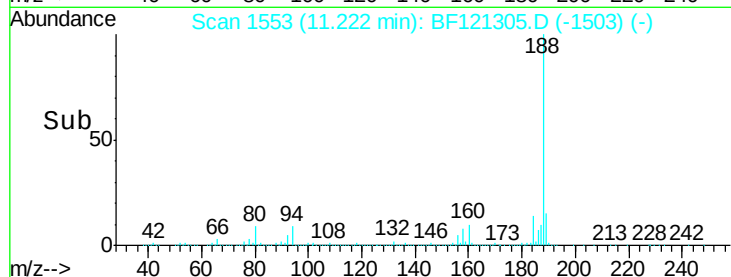
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 3.283 ng

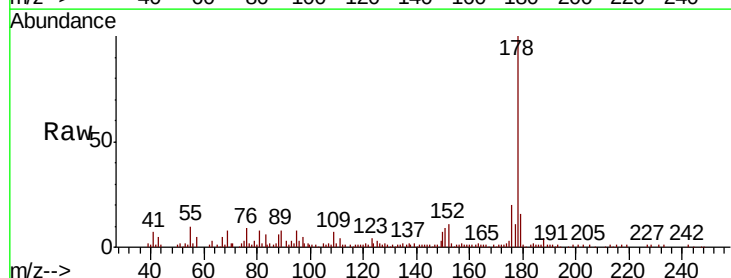
RT: 11.25 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

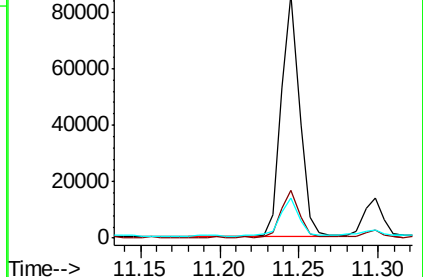
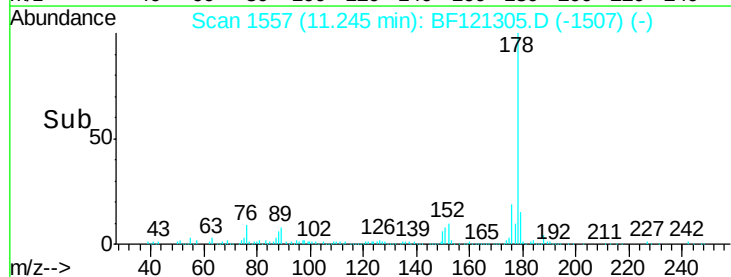
Tgt Ion:178	Resp:	69530
Ion Ratio	Lower	Upper
178 100		
176 19.7	15.6	23.4
179 16.3	12.3	18.5

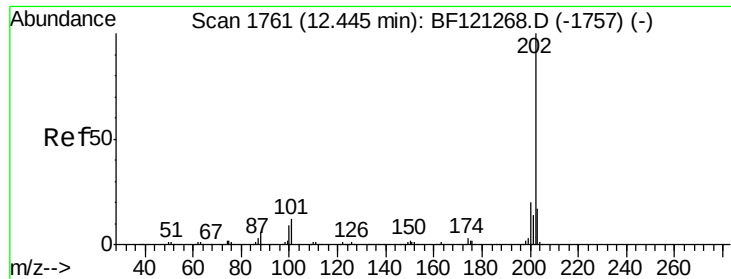


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.684 ng

RT: 12.43 min Scan# 1759

Delta R.T. 0.00 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

Instrument :

BNA_F

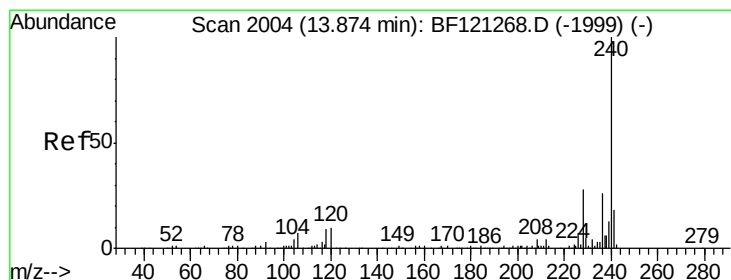
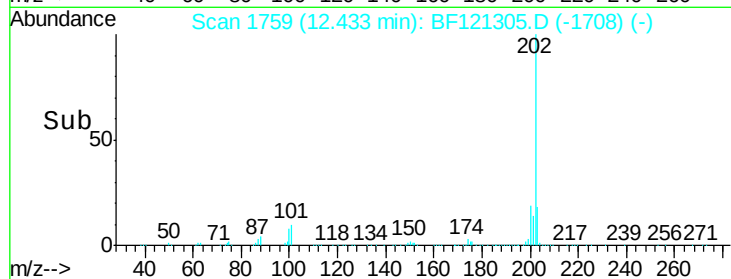
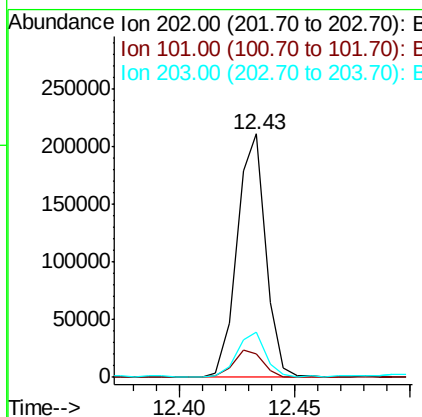
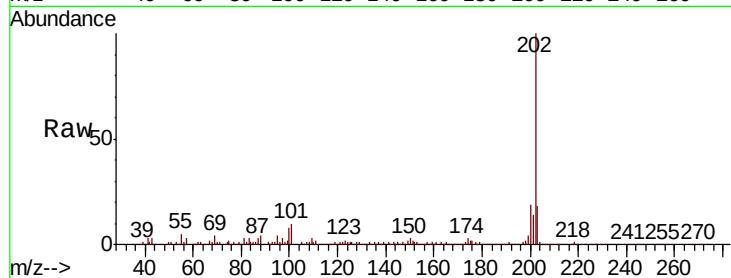
ClientSampled :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	9.8	0.0	32.2		
203	18.5	0.0	38.2		

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#76

Chrysene-d12

Concen: 20.000 ng

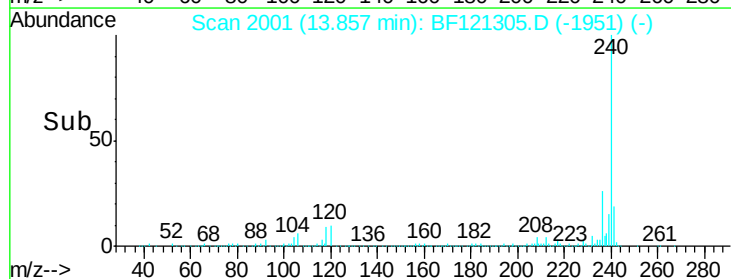
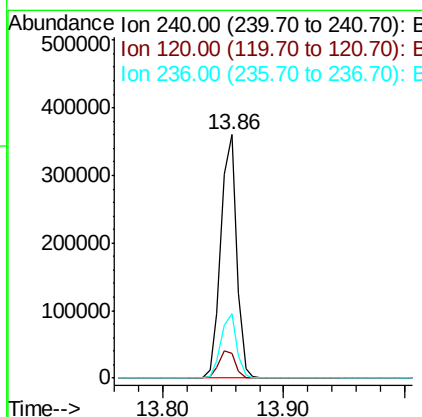
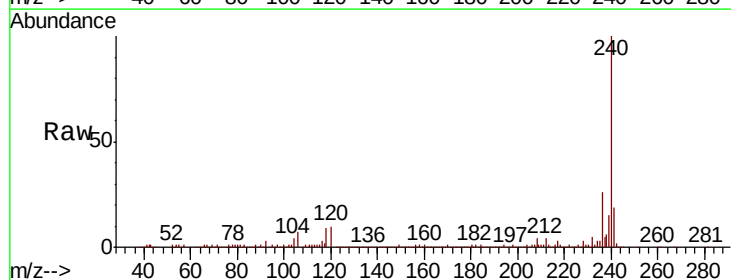
RT: 13.86 min Scan# 2001

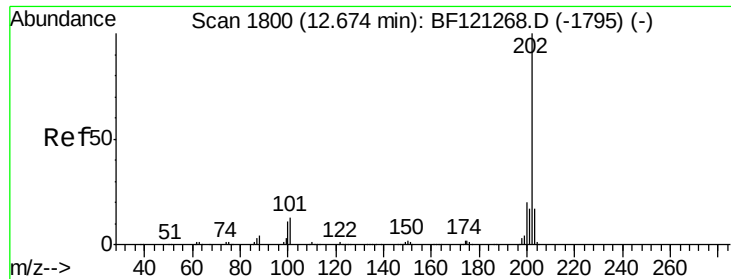
Delta R.T. -0.01 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.3	8.3	12.5		
236	26.2	21.2	31.8		





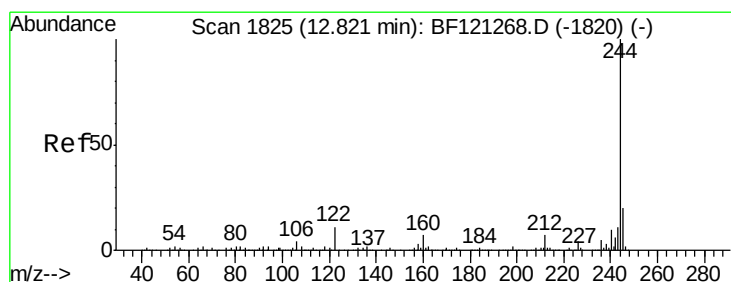
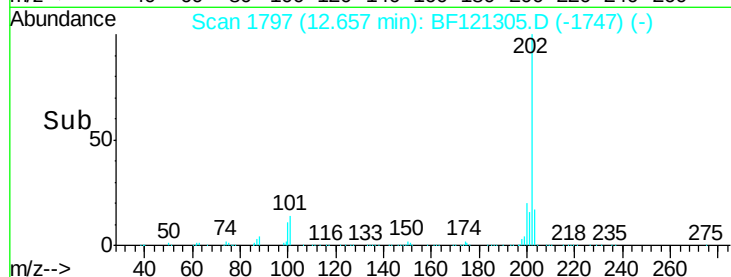
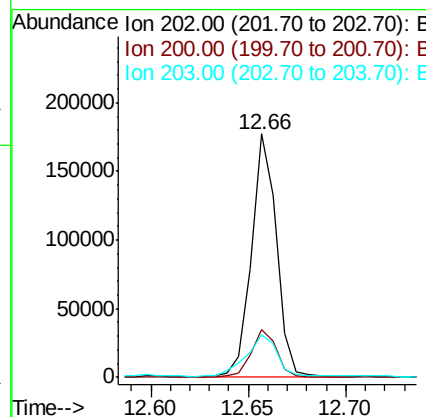
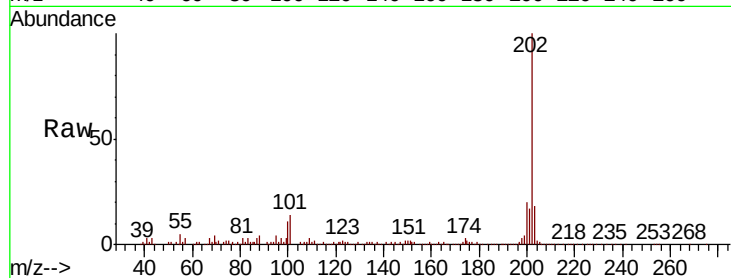
#78
Pvrene
Concen: 6.503 ng
RT: 12.66 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BF121305.D
Acq: 17 Aug 2020 12:41

Instrument :
BNA_F
ClientSampleId :
RBR-58

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.4	24.6
203	17.8	14.2	21.4

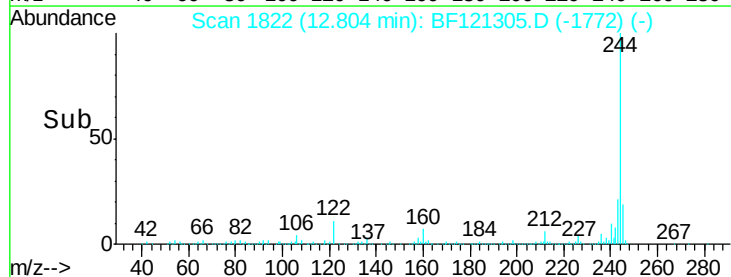
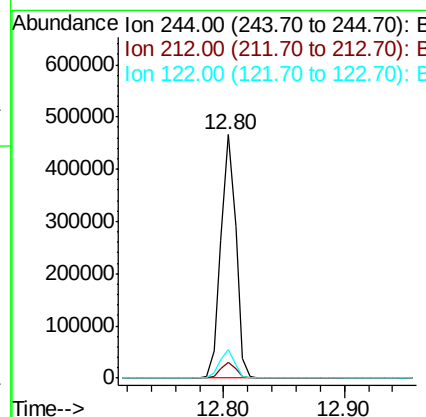
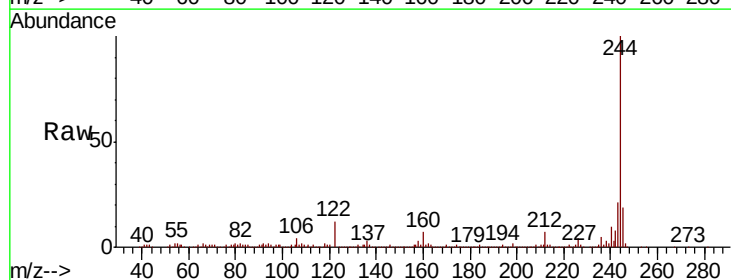
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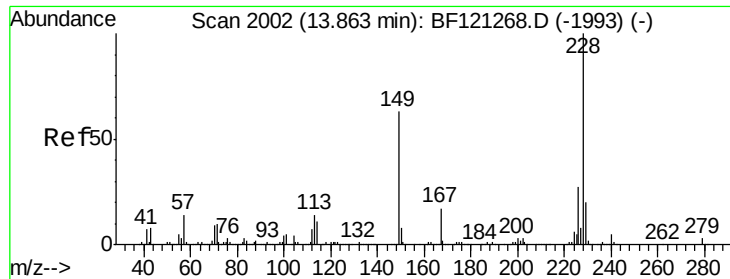
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#79
Terphenyl-d14
Concen: 23.795 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF121305.D
Acq: 17 Aug 2020 12:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	11.6	9.0	13.6





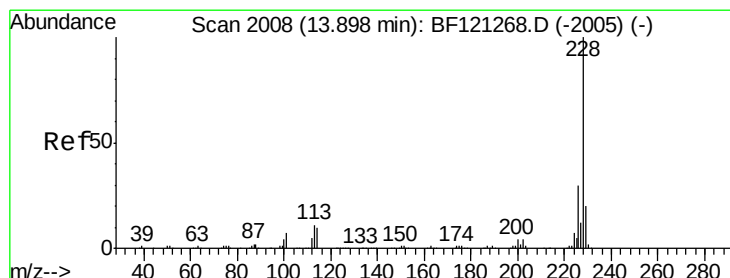
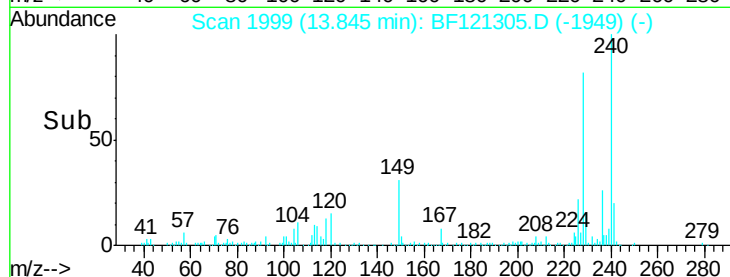
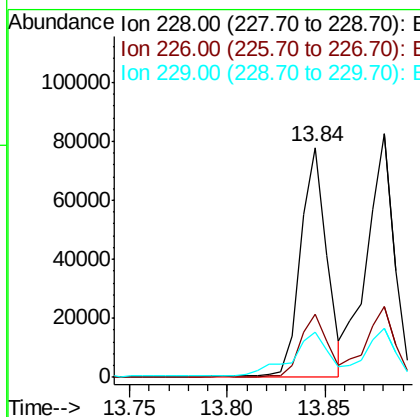
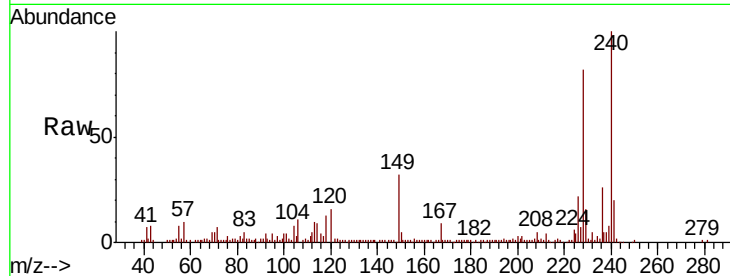
#81
Benzo(a)anthracene
Concen: 3.314 ng
RT: 13.84 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF121305.D
Acq: 17 Aug 2020 12:41

Instrument :
BNA_F
ClientSampled :
RBR-58

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.0	33.0
229	19.7	15.8	23.6

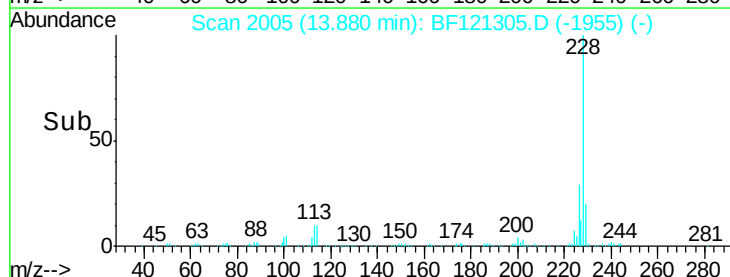
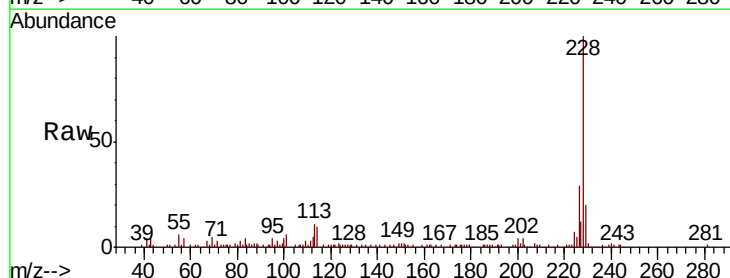
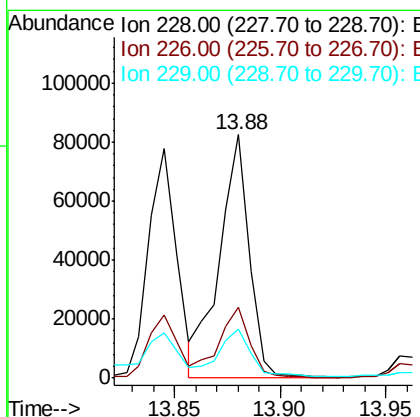
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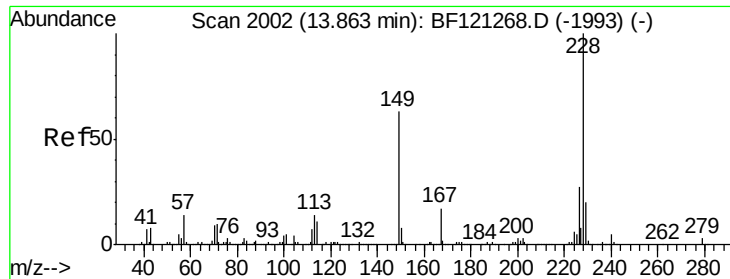
mohammad
8/18/2020 1:50:05 PM



#83
Chrysene
Concen: 3.621 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF121305.D
Acq: 17 Aug 2020 12:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.3	37.9
229	20.4	16.3	24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.168 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF121305.D

Acq: 17 Aug 2020 12:41

Instrument :

BNA_F

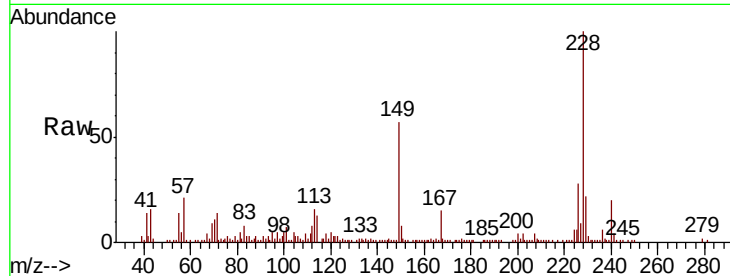
ClientSampleId :

RBR-58

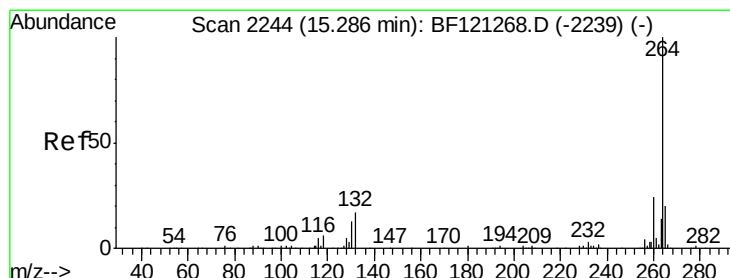
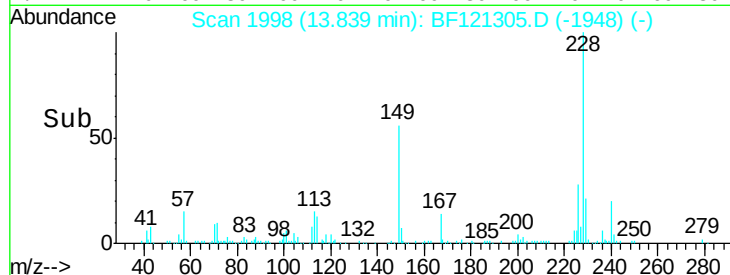
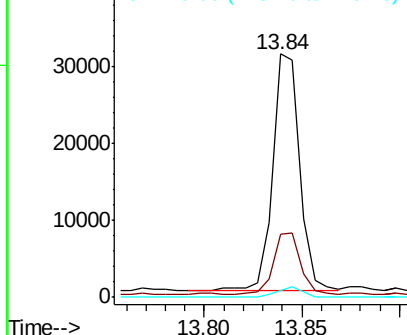
Tot Ion:	149	Resp:	29449
Ion Ratio	Lower	Upper	
149	100		
167	26.2	21.5	32.3
279	3.0	2.9	4.3

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

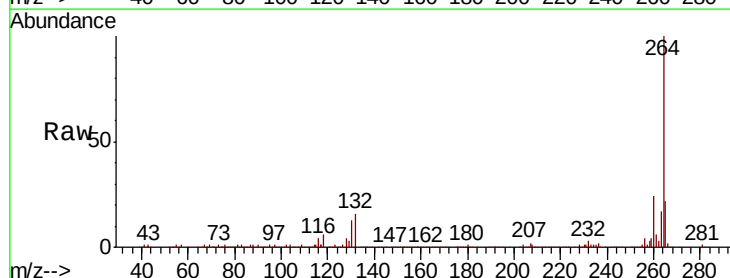
RT: 15.27 min Scan# 2241

Delta R.T. 0.00 min

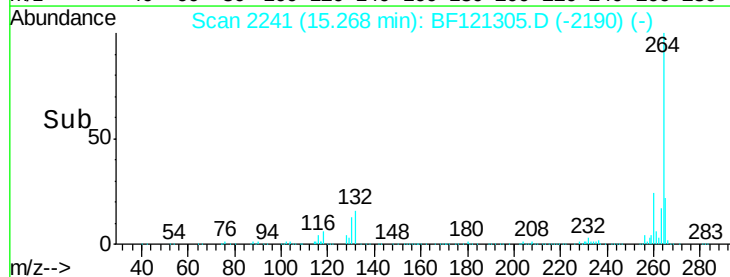
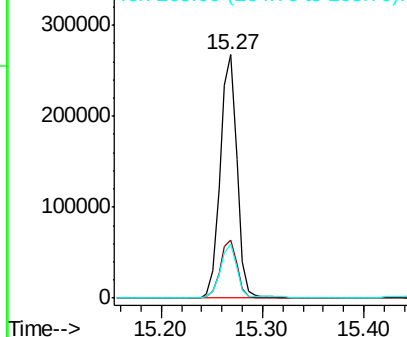
Lab File: BF121305.D

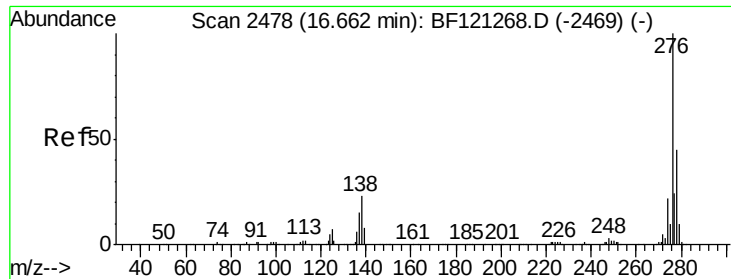
Acq: 17 Aug 2020 12:41

Tgt Ion:	264	Resp:	307378
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.1	28.7
265	22.1	17.1	25.7



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





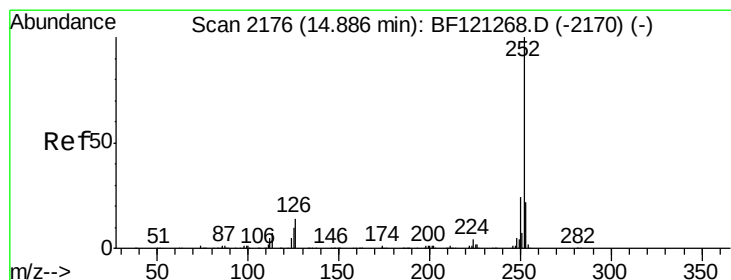
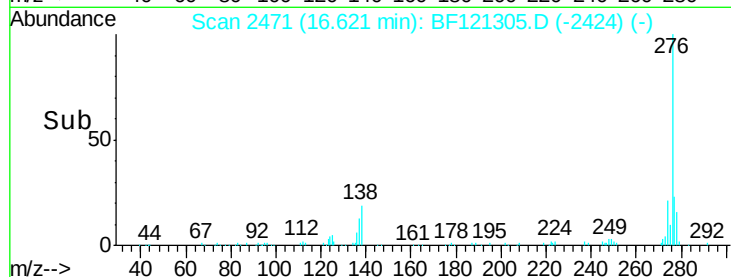
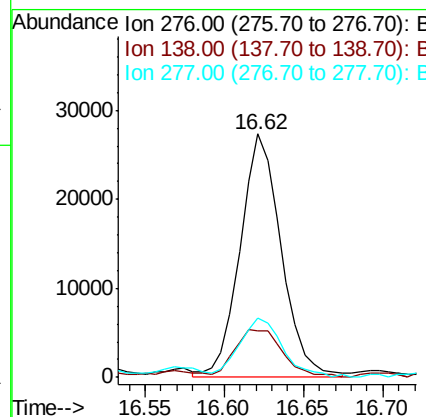
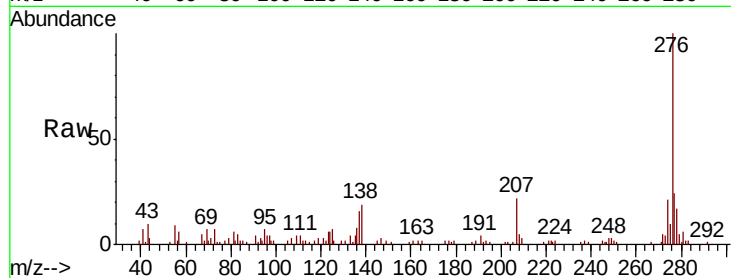
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.162 ng
 RT: 16.62 min Scan# 2471
 Delta R.T. -0.02 min
 Lab File: BF121305.D
 Acq: 17 Aug 2020 12:41

Instrument :
 BNA_F
 ClientSampleId :
 RBR-58

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	19.6	29.4
277	25.6	20.4	30.6

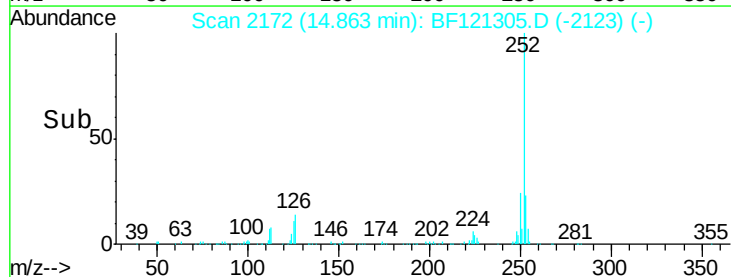
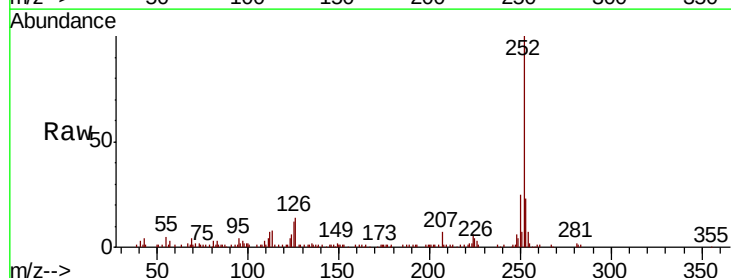
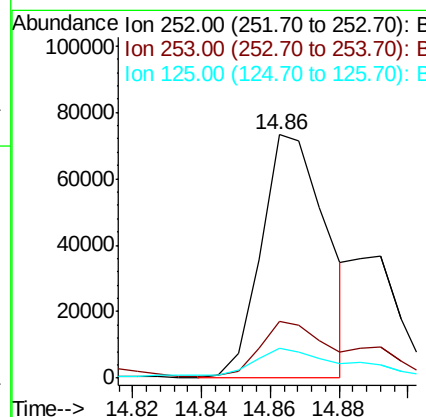
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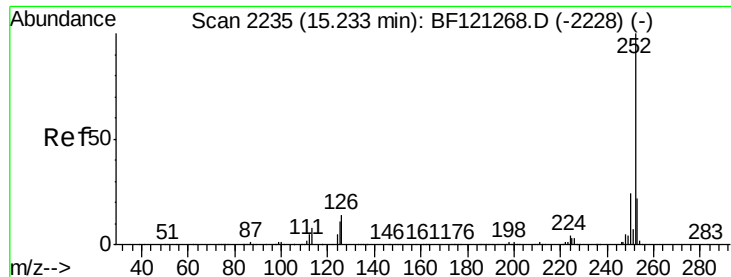
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 4.712 ng m
 RT: 14.86 min Scan# 2172
 Delta R.T. -0.01 min
 Lab File: BF121305.D
 Acq: 17 Aug 2020 12:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	12.2	7.5	11.3





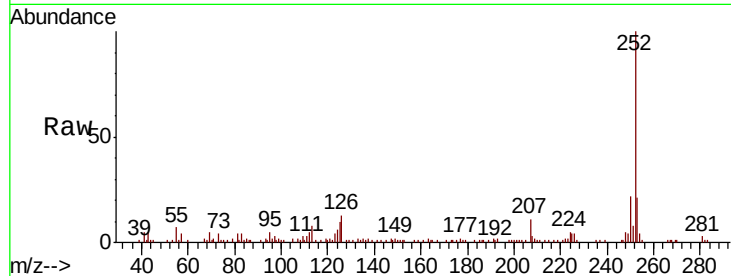
#90
Benzo(a)pyrene
Concen: 3.412 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF121305.D
Acq: 17 Aug 2020 12:41

Instrument :
BNA_F
ClientSampleId :
RBR-58

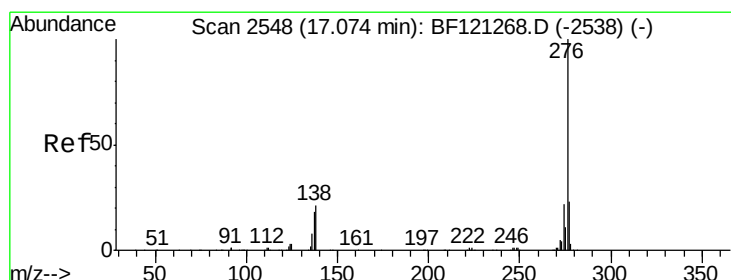
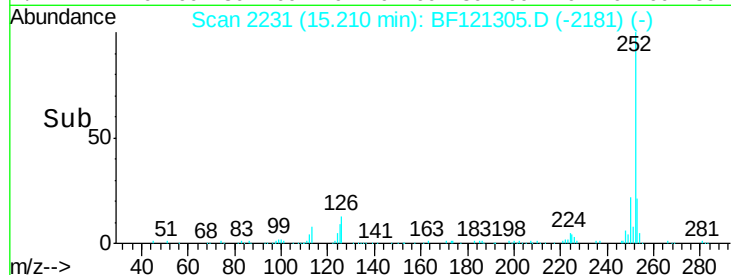
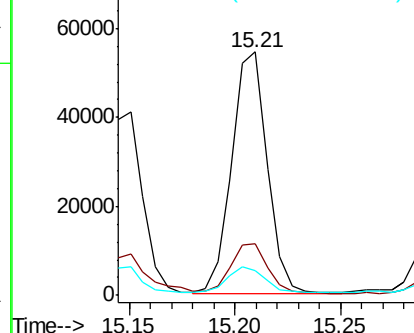
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	10.3	8.7	13.1

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.507 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.02 min
Lab File: BF121305.D
Acq: 17 Aug 2020 12:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.1	28.7
138	21.5	16.6	24.8

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

