

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
 Data File : BF121435.D
 Acq On : 25 Aug 2020 19:10
 Operator : JU/CG
 Sample : L3772-02DL 4X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 349-346DL

Manual Integrations
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mohammad
 8/26/2020 4:00:57 PM

Quant Time: Aug 26 01:41:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	143471	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	572226	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	297352	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	572333	20.00	ng	0.00
76) Chrysene-d12	13.86	240	414348	20.00	ng	0.01
86) Perylene-d12	15.27	264	425922	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	173729	19.86	ng	0.00
7) Phenol-d6	6.35	99	218133	19.53	ng	0.00
23) Nitrobenzene-d5	7.26	82	137692	13.61	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	66900	19.31	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	289641	6.81	ng	0.00
79) Terphenyl-d14	12.79	244	316944	14.95	ng	0.00

Target Compounds					Qvalue	
71) Phenanthrene	11.24	178	717794	24.232	ng	99
72) Anthracene	11.29	178	245717	8.614	ng	98
73) Carbazole	11.45	167	121983	4.481	ng	99
75) Fluoranthene	12.43	202	1410638	43.875	ng	99
78) Pyrene	12.66	202	1422368	45.699	ng	99
81) Benzo(a)anthracene	13.84	228	1114204	43.294	ng	95
83) Chrysene	13.89	228	992424	37.705	ng	96
87) Indeno(1,2,3-cd)pyrene	16.64	276	695416	26.747	ng	96
88) Benzo(b)fluoranthene	14.88	252	1324573m	48.138	ng	
89) Benzo(k)fluoranthene	14.90	252	400790m	16.547	ng	
90) Benzo(a)pyrene	15.22	252	977454	41.112	ng	98
91) Dibenzo(a,h)anthracene	16.64	278	217044	10.182	ng	93
92) Benzo(a,h,i)perylene	17.06	276	611464	29.341	ng	98

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

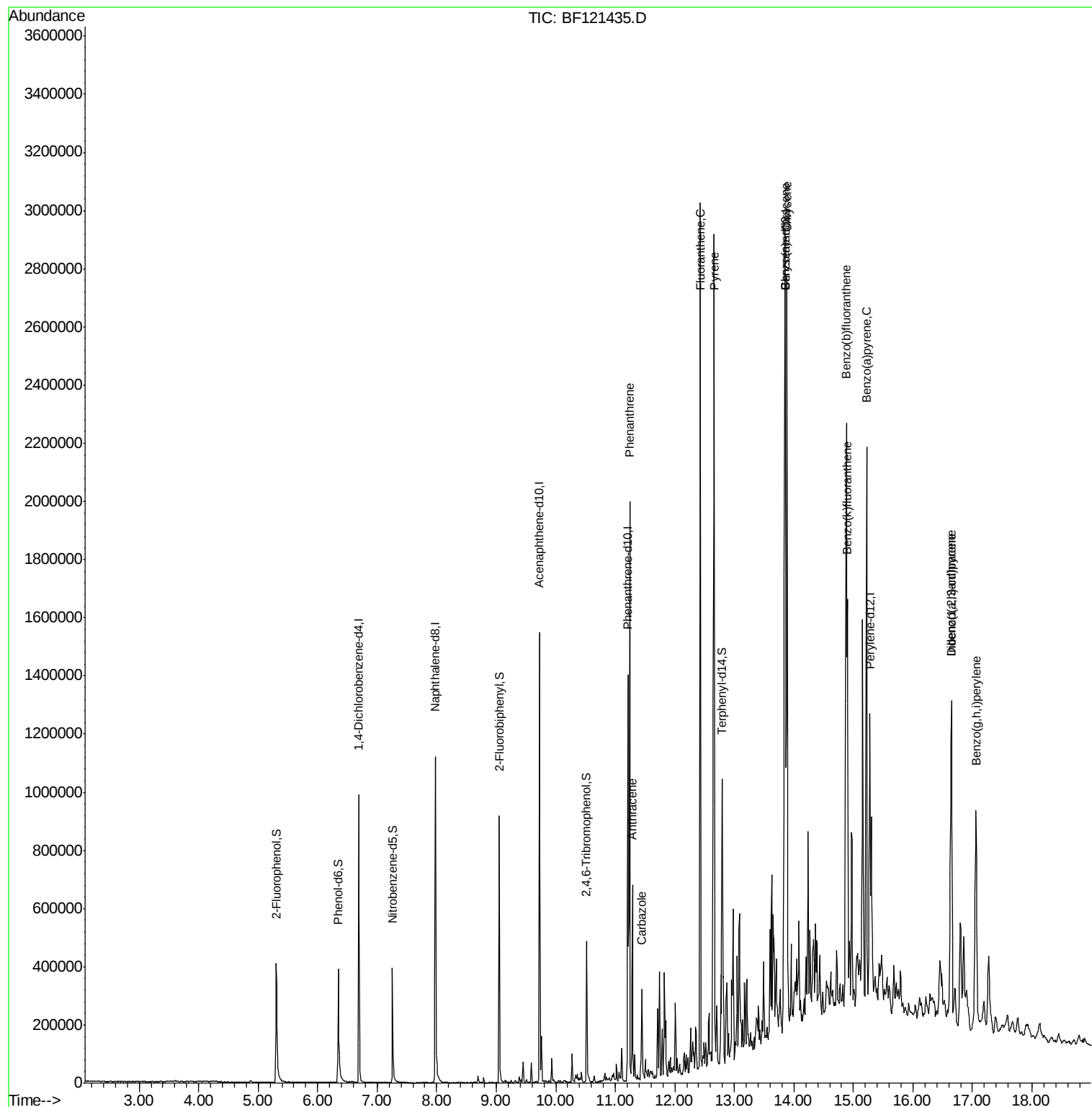
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
Data File : BF121435.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

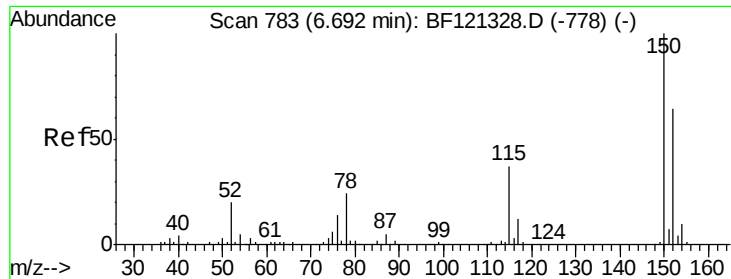
Instrument :
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349-346DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
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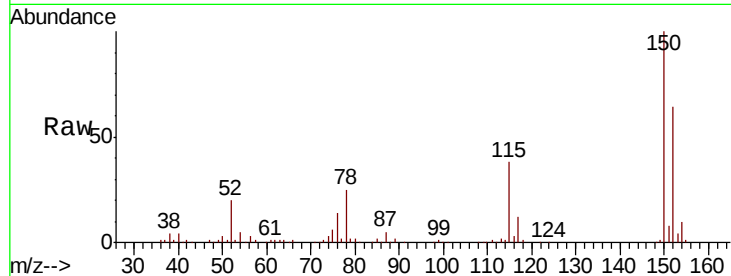
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF121435.D
 Acq: 25 Aug 2020 19:10

Instrument :
 BNA_F
 ClientSampleId :
 349-346DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.8	187.2
115	59.0	46.1	69.1

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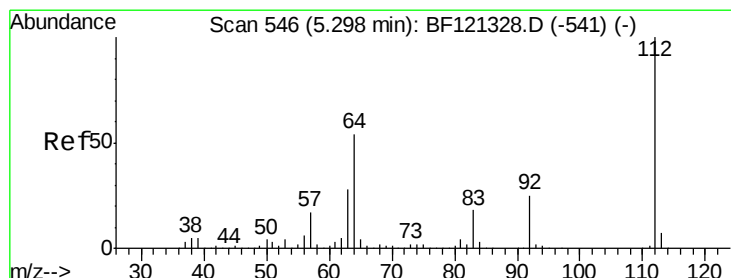
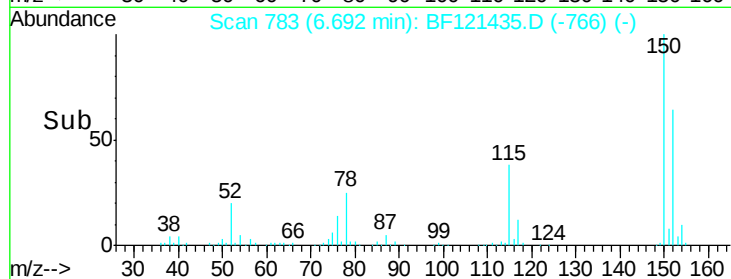
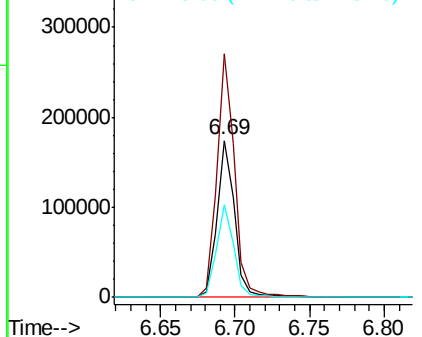


Abundance

Ion 152.00 (151.70 to 152.70): E

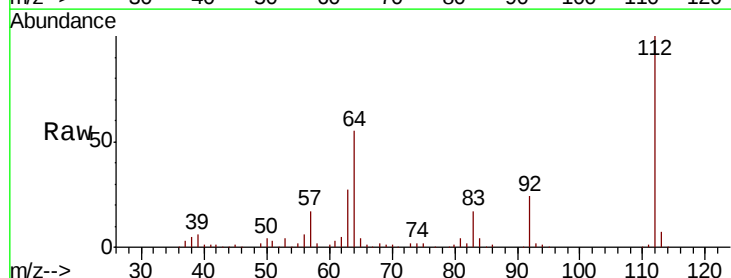
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 19.856 ng
 RT: 5.30 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: BF121435.D
 Acq: 25 Aug 2020 19:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	43.5	65.3
63	26.8	22.0	33.0

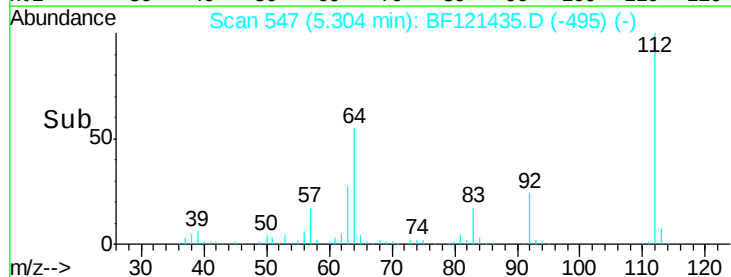
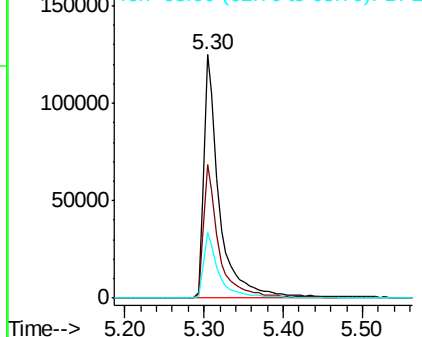


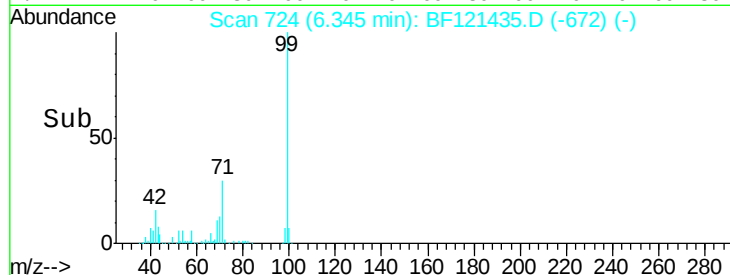
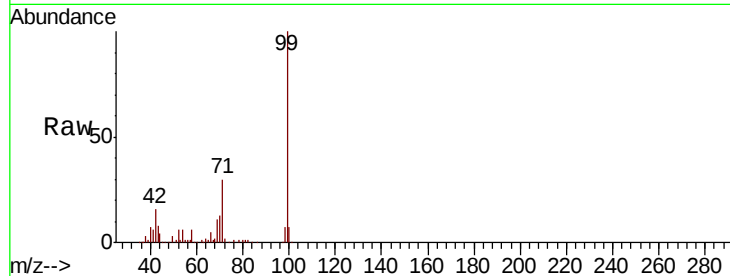
Abundance

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: 19.529 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121435.D

Acq: 25 Aug 2020 19:10

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		218133		
42	16.3	13.5	20.3		
71	30.0	25.2	37.8		

Instrument :

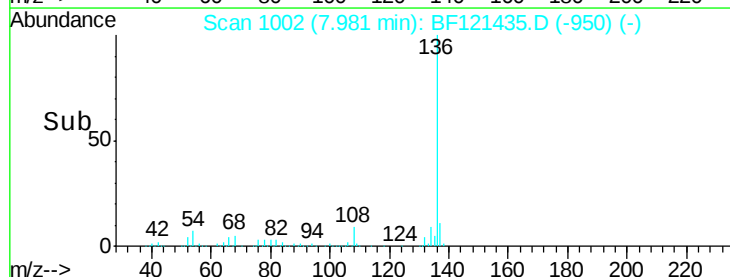
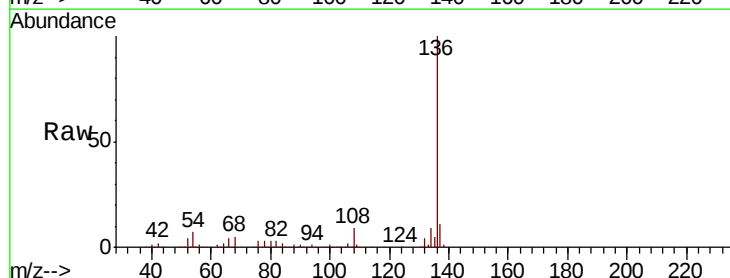
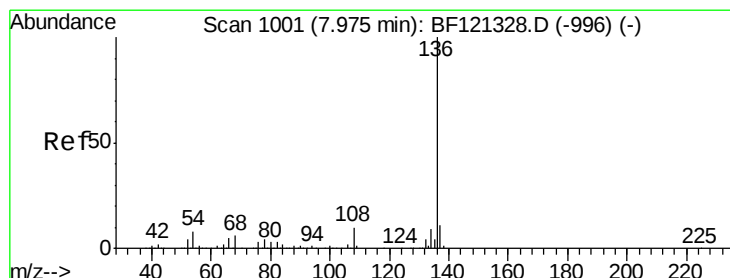
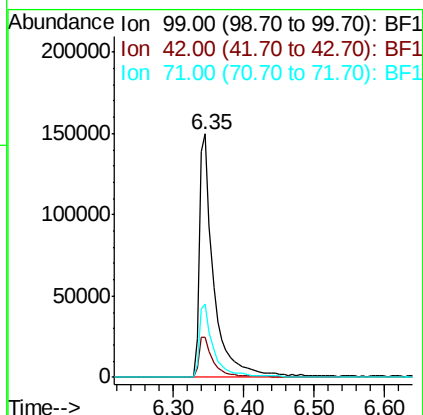
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#21

Naphthalene-d8

Concen: 20.000 ng

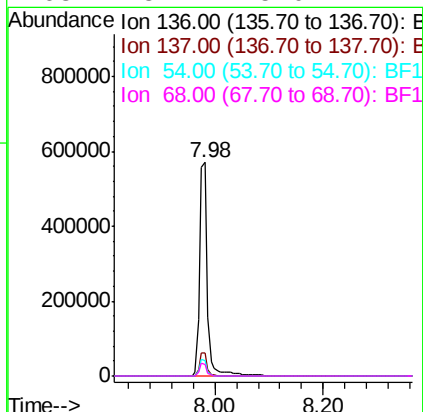
RT: 7.98 min Scan# 1002

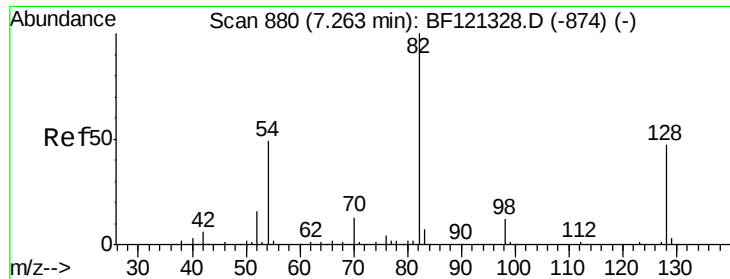
Delta R.T. 0.01 min

Lab File: BF121435.D

Acq: 25 Aug 2020 19:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		572226		
137	10.7	8.9	13.3		
54	6.9	6.1	9.1		
68	5.4	5.0	7.4		





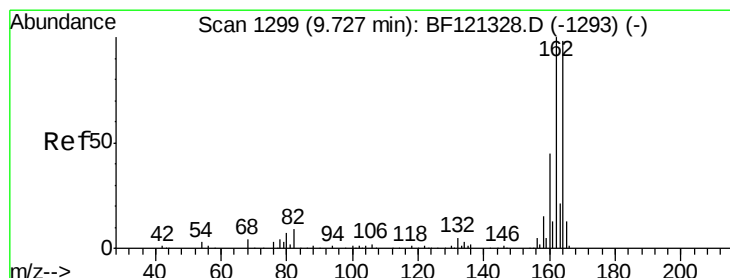
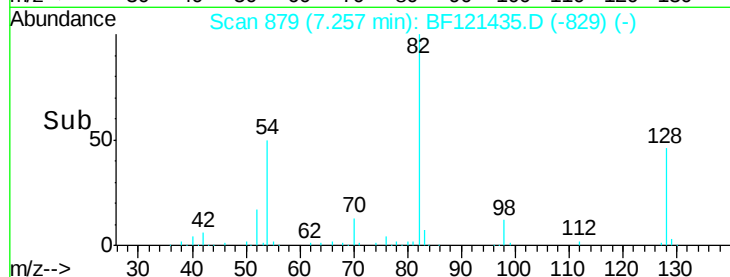
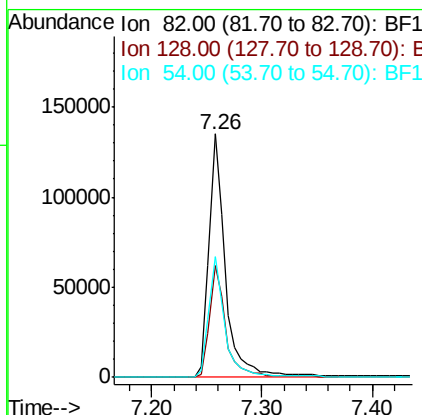
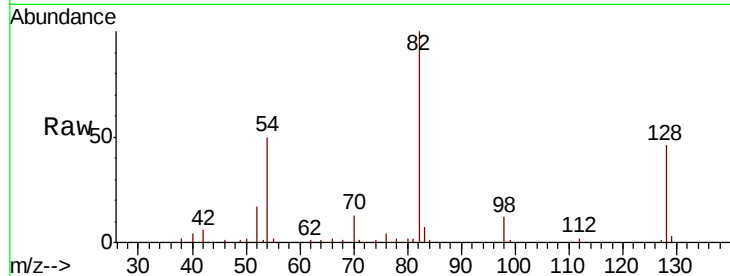
#23
Nitrobenzene-d5
Concen: 13.609 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF121435.D
Acq: 25 Aug 2020 19:10

Instrument :
BNA_F
ClientSampleId :
349-346DL

Tot Ion	82	Resp	137692
Ion Ratio	Lower	Upper	
82	100		
128	46.0	37.9	56.9
54	49.8	39.0	58.4

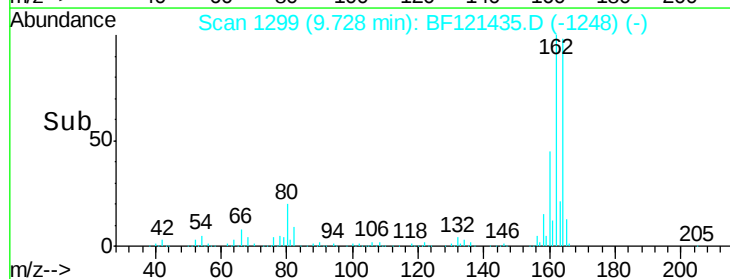
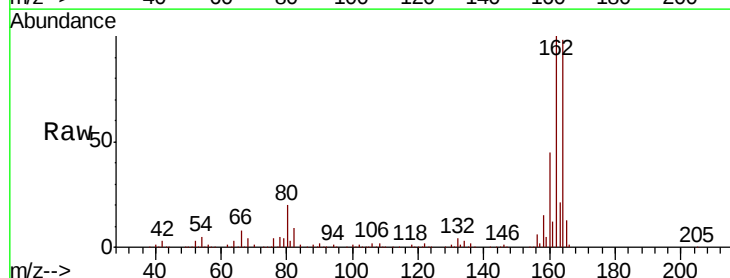
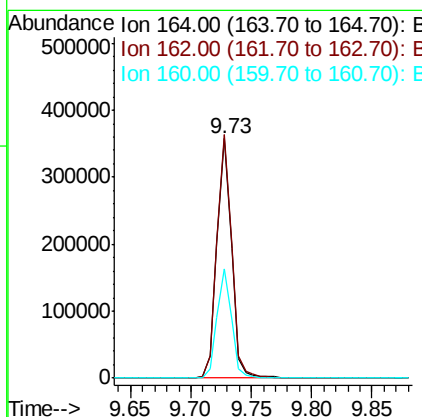
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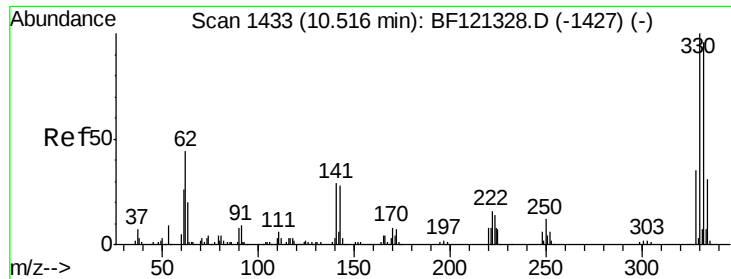
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BF121435.D
Acq: 25 Aug 2020 19:10

Tgt Ion	164	Resp	297352
Ion Ratio	Lower	Upper	
164	100		
162	101.7	81.7	122.5
160	45.8	37.0	55.4





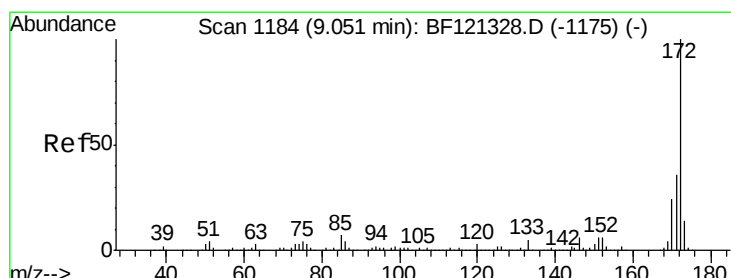
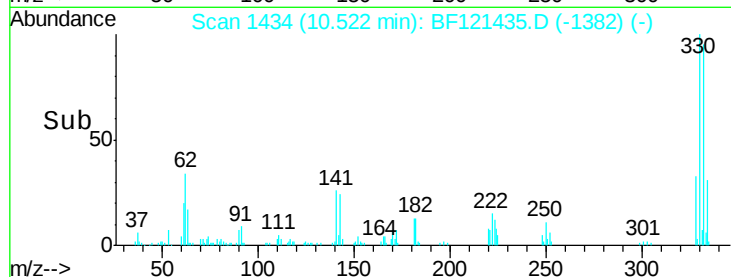
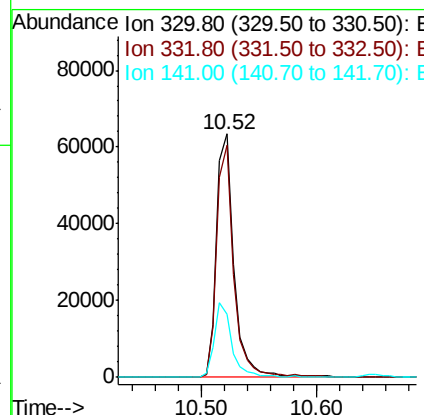
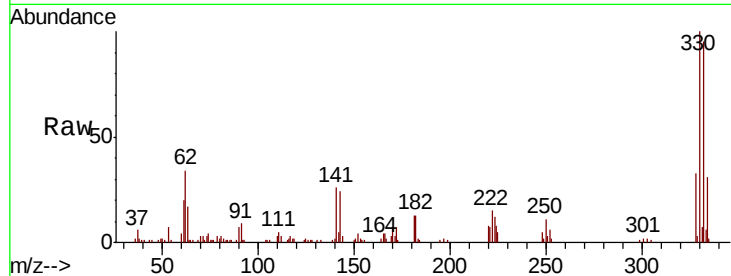
#42
 2,4,6-Tribromophenol
 Concen: 19.307 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121435.D
 Acq: 25 Aug 2020 19:10

Instrument :
 BNA_F
 ClientSampleId :
 349-346DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	66900		
332	93.4	76.9	115.3	
141	30.3	22.8	34.2	

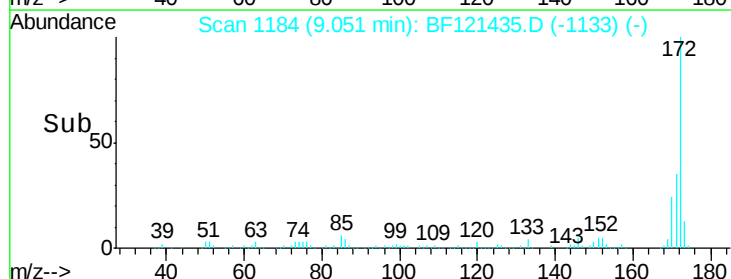
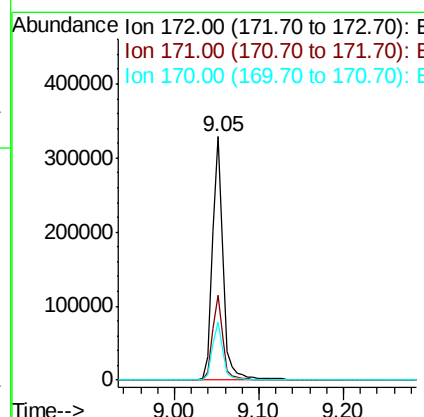
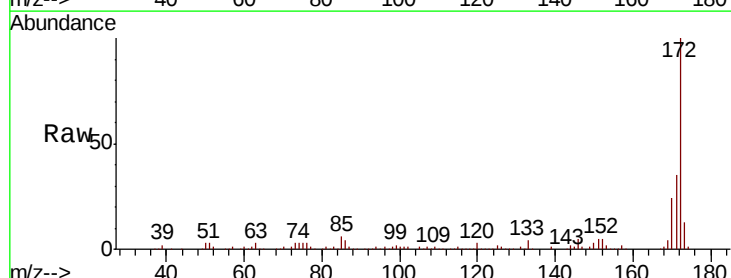
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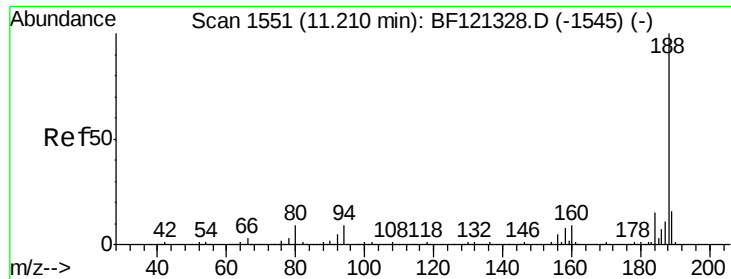
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#45
 2-Fluorobiphenyl
 Concen: 6.807 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121435.D
 Acq: 25 Aug 2020 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	289641		
171	34.7	29.0	43.6	
170	23.7	19.4	29.2	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.01 min

Lab File: BF121435.D

Acq: 25 Aug 2020 19:10

Instrument :

BNA_F

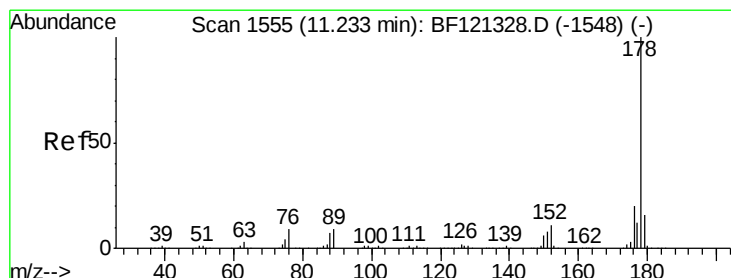
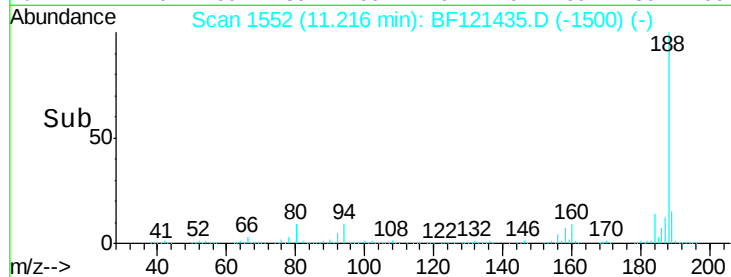
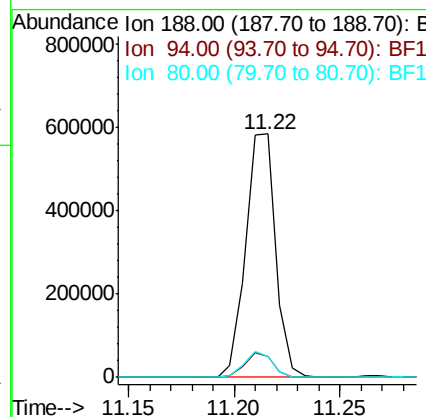
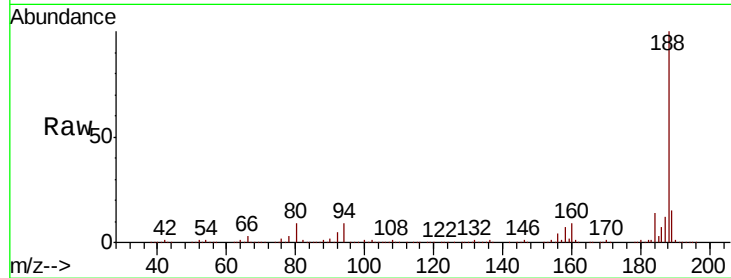
ClientSampleId :

349-346DL

Tot Ion:	188	Resp:	572333
Ion Ratio	Lower	Upper	
188	100		
94	8.6	7.2	10.8
80	8.8	7.4	11.0

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#71

Phenanthrene

Concen: 24.232 ng

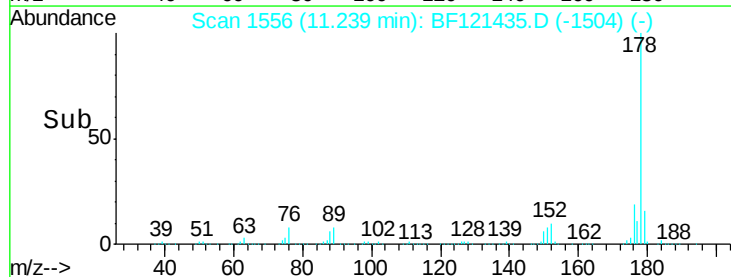
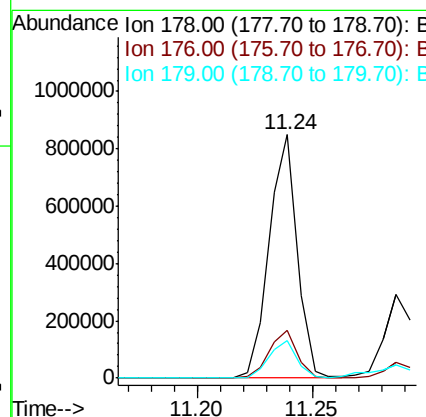
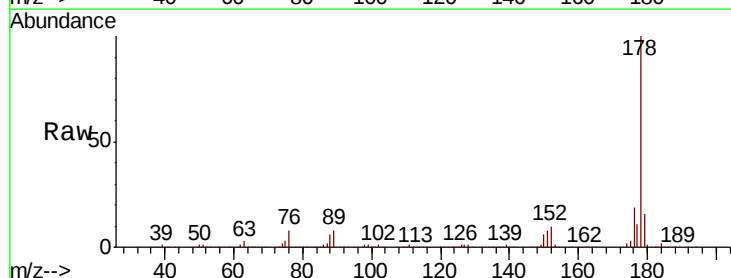
RT: 11.24 min Scan# 1556

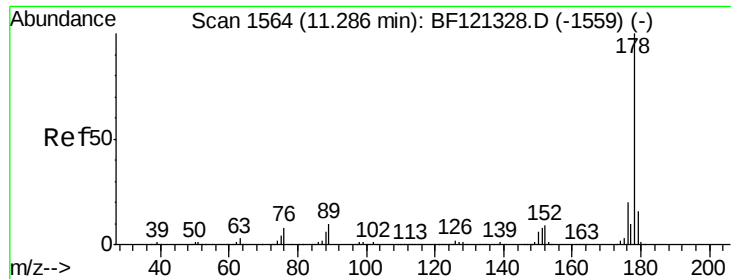
Delta R.T. 0.01 min

Lab File: BF121435.D

Acq: 25 Aug 2020 19:10

Tgt Ion:	178	Resp:	717794
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.0	24.0
179	15.5	12.8	19.2





#72

Anthracene

Concen: 8.614 ng

RT: 11.29 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BF121435.D

Acq: 25 Aug 2020 19:10

Instrument :

BNA_F

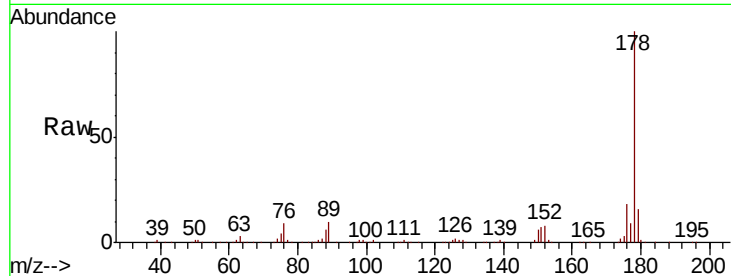
ClientSampleID :

349-346DL

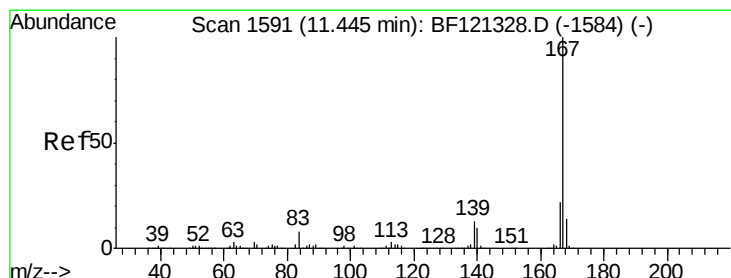
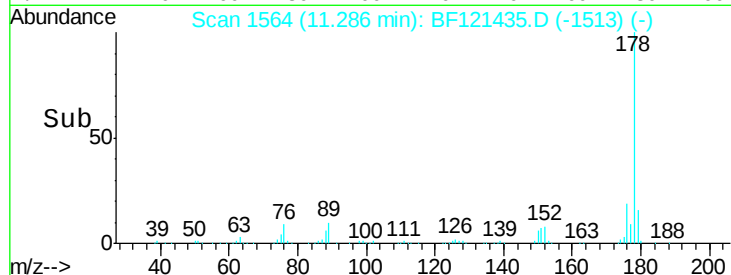
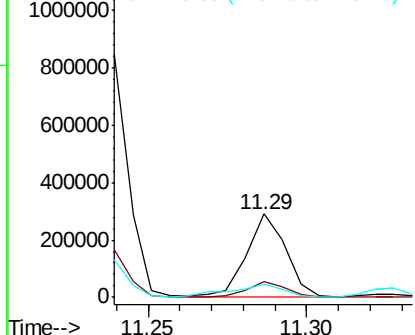
Tot Ion:	178	Resp:	245717
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.6	23.4
179	16.3	12.8	19.2

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 4.481 ng

RT: 11.45 min Scan# 1591

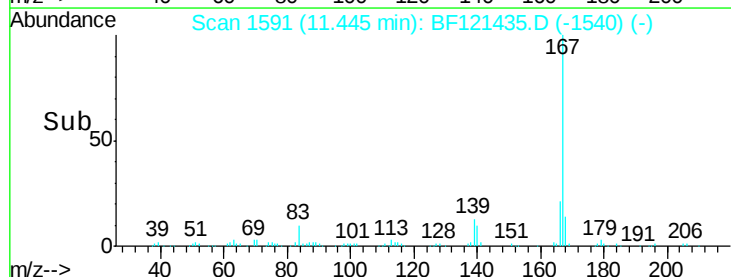
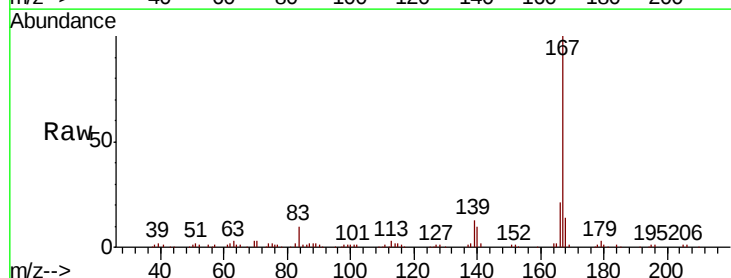
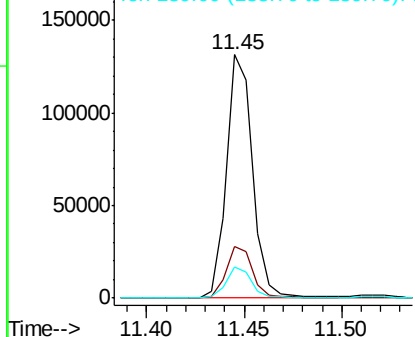
Delta R.T. 0.00 min

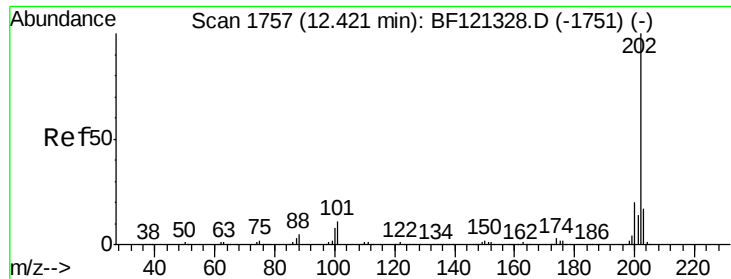
Lab File: BF121435.D

Acq: 25 Aug 2020 19:10

Tgt Ion:	167	Resp:	121983
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.7	26.5
139	12.8	10.2	15.2

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 43.875 ng

RT: 12.43 min Scan# 1759

Delta R.T. 0.01 min

Lab File: BF121435.D

Acq: 25 Aug 2020 19:10

Instrument :

BNA_F

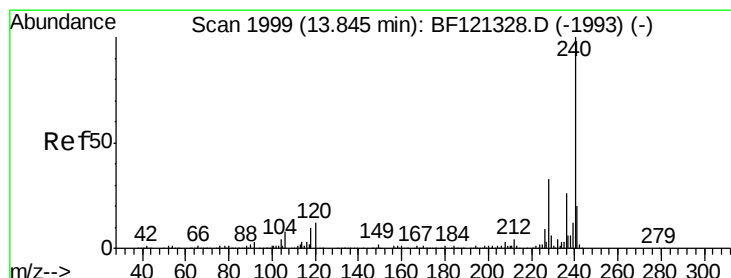
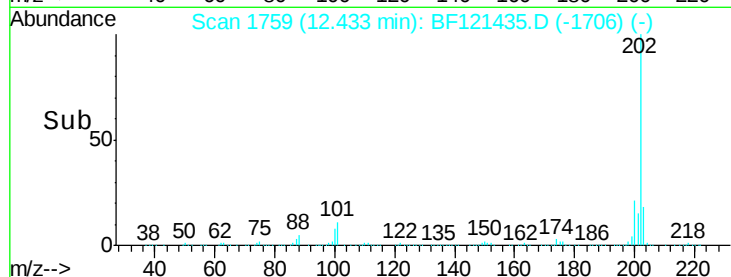
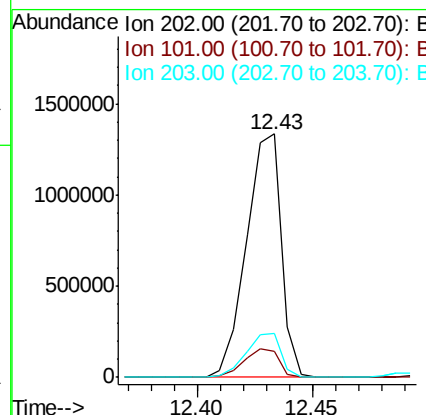
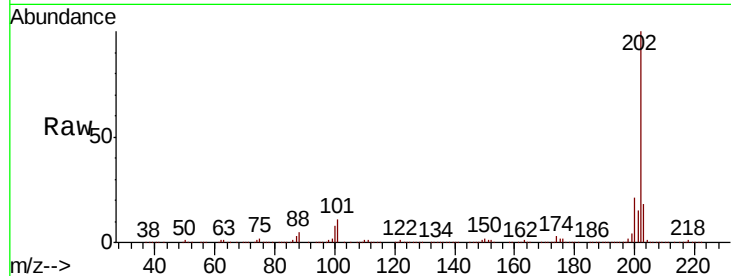
ClientSampleId :

349-346DL

Tot Ion:	202	Resp:	1410638
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.6
203	17.9	0.0	37.5

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#76

Chrysene-d12

Concen: 20.000 ng

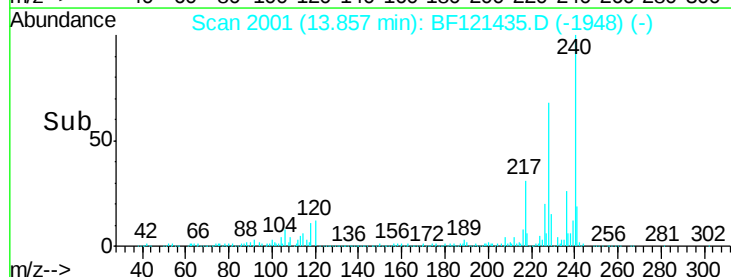
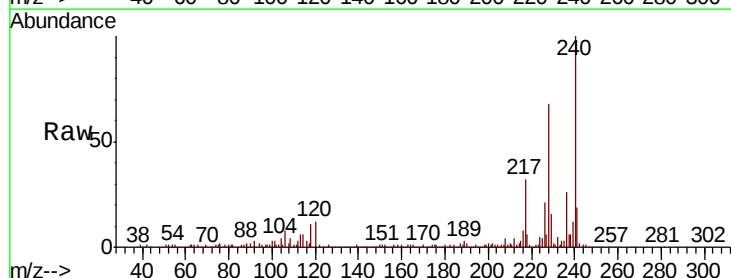
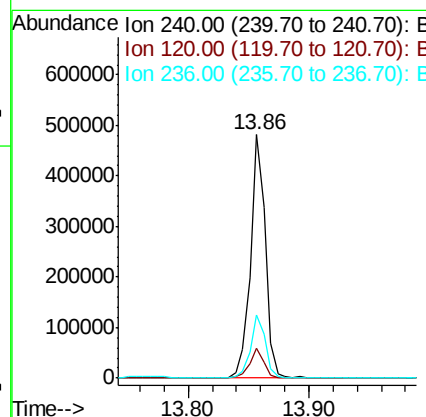
RT: 13.86 min Scan# 2001

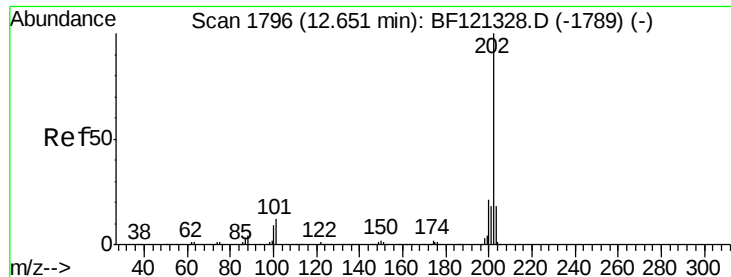
Delta R.T. 0.01 min

Lab File: BF121435.D

Acq: 25 Aug 2020 19:10

Tgt Ion:	240	Resp:	414348
Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.6	14.4
236	26.1	20.6	31.0





#78

Pvrene

Concen: 45.699 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.01 min

Lab File: BF121435.D

Acq: 25 Aug 2020 19:10

Instrument :

BNA_F

ClientSampleId :

349-346DL

Tot Ion:202 Resp: 1422368

Ion Ratio Lower Upper

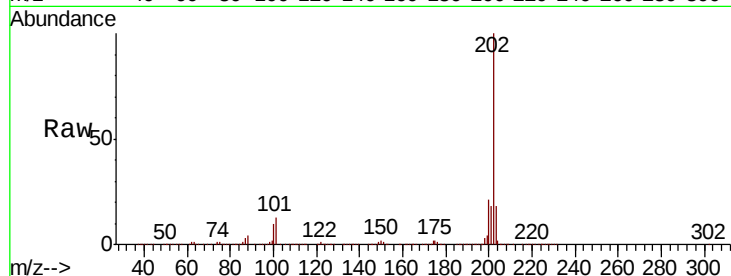
202 100

200 21.3 16.6 24.8

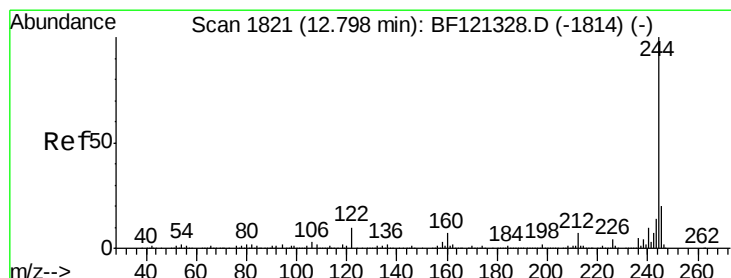
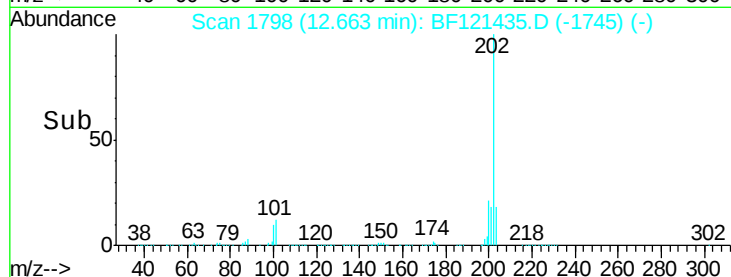
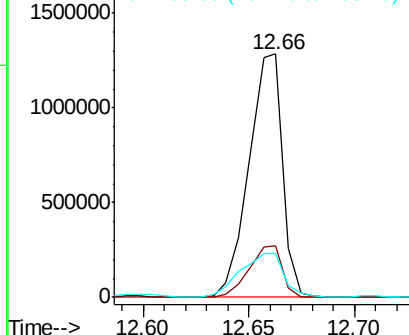
203 17.9 14.2 21.2

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 14.948 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF121435.D

Acq: 25 Aug 2020 19:10

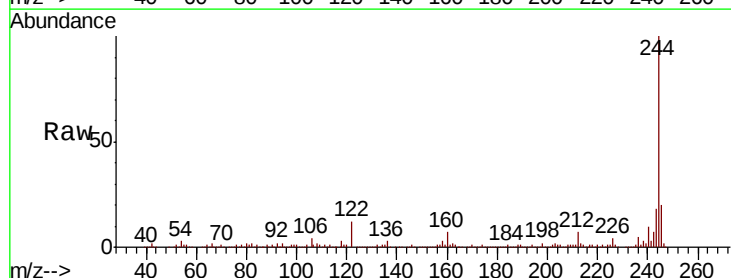
Tgt Ion:244 Resp: 316944

Ion Ratio Lower Upper

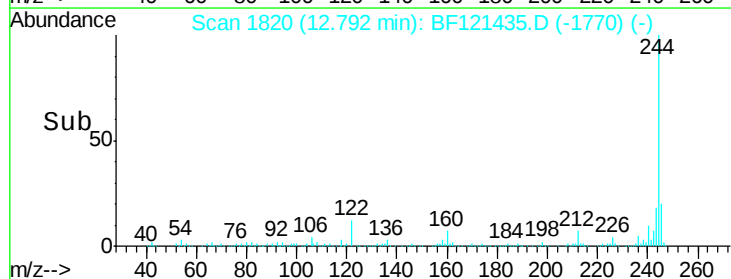
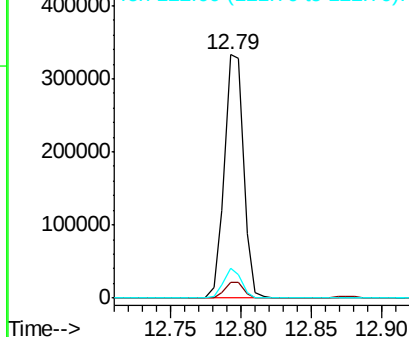
244 100

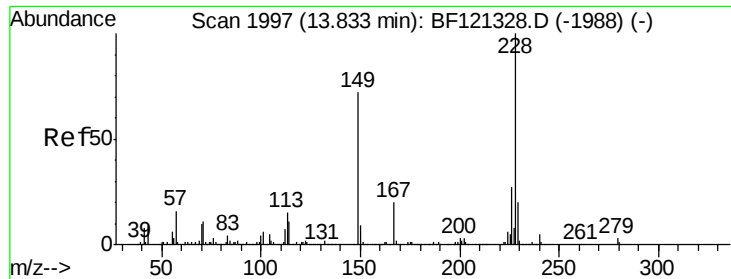
212 6.7 5.4 8.0

122 12.2 7.8 11.8#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





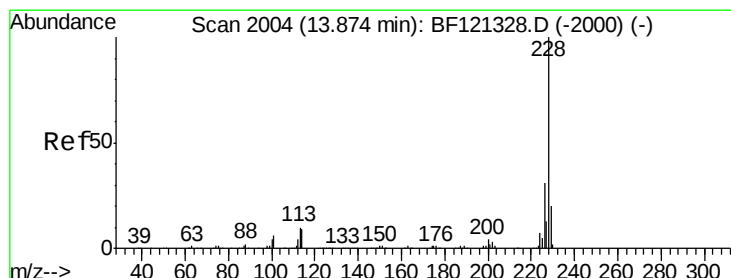
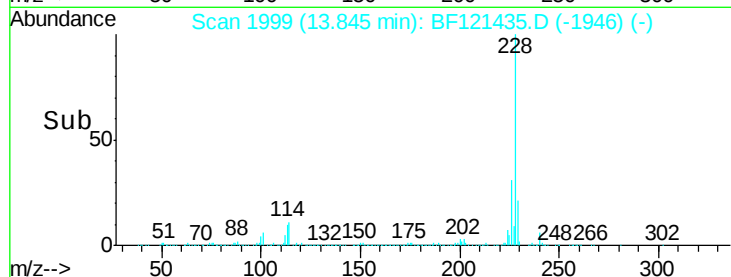
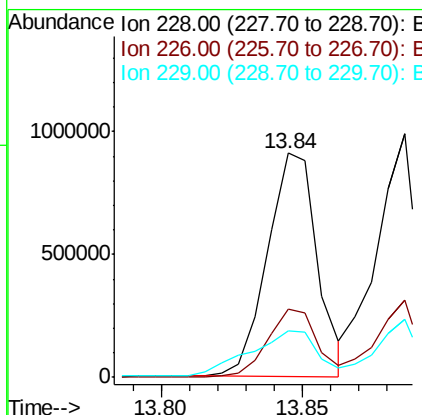
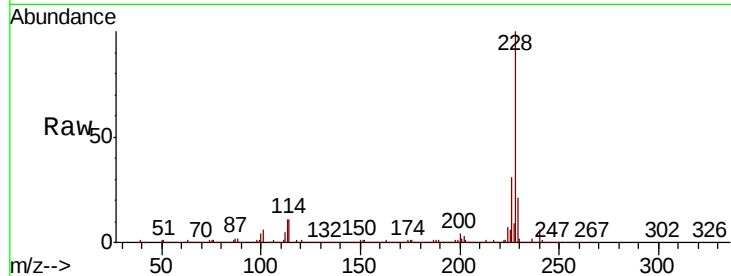
#81
Benzo(a)anthracene
Concen: 43.294 ng
RT: 13.84 min Scan# 1999
Delta R.T. 0.01 min
Lab File: BF121435.D
Acq: 25 Aug 2020 19:10

Instrument :
BNA_F
ClientSampled :
349-346DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.8	32.6
229	20.9	15.8	23.8

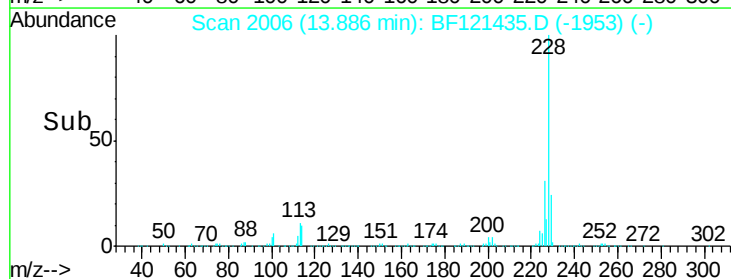
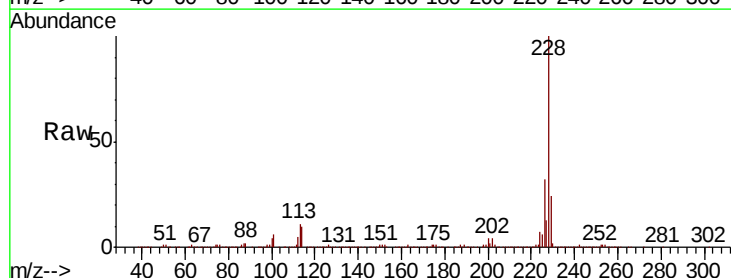
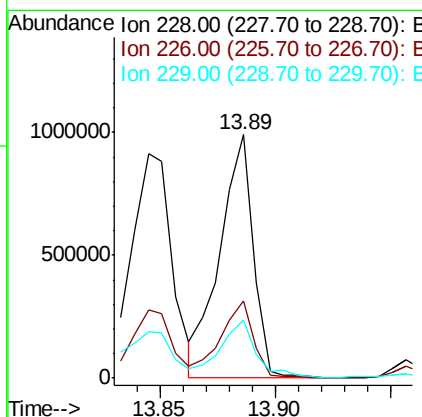
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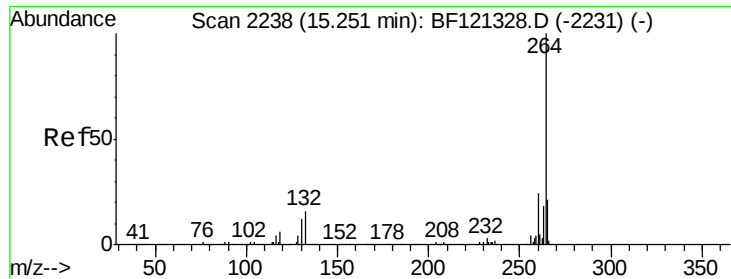
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#83
Chrysene
Concen: 37.705 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BF121435.D
Acq: 25 Aug 2020 19:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.6	36.8
229	23.7	15.9	23.9





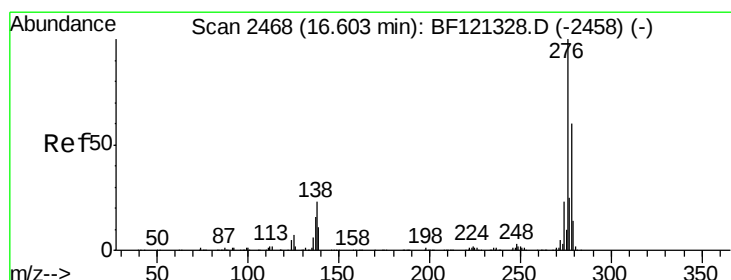
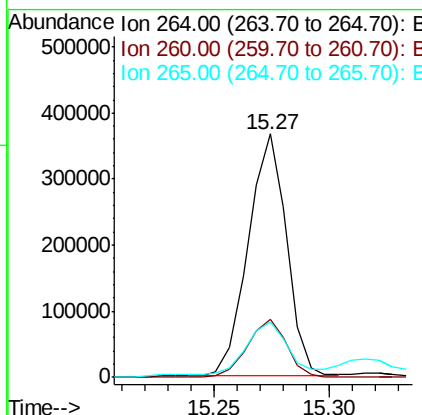
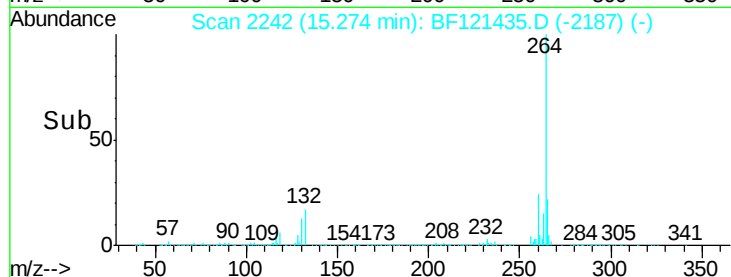
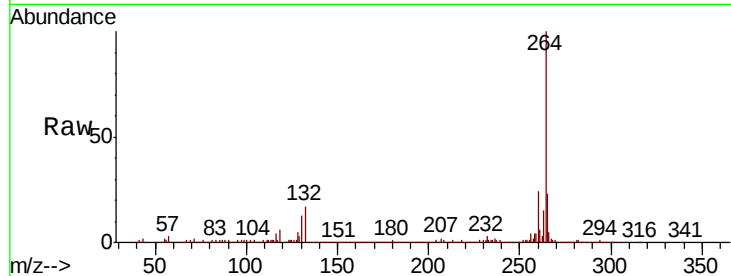
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.02 min
Lab File: BF121435.D
Acq: 25 Aug 2020 19:10

Instrument :
BNA_F
ClientSampleID :
349-346DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.7	17.1	25.7

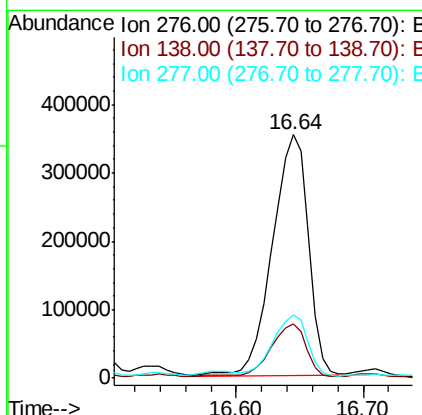
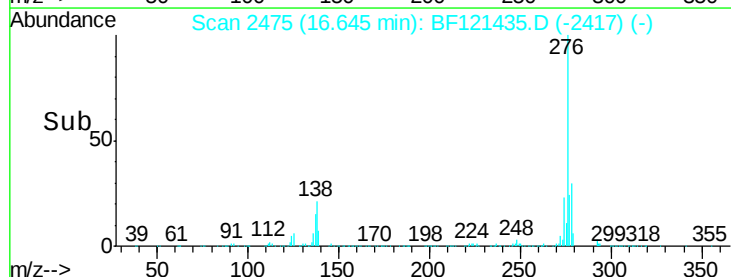
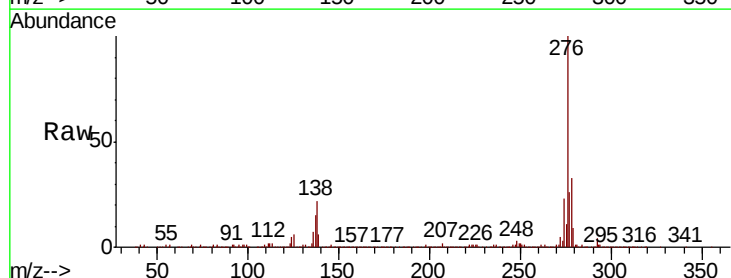
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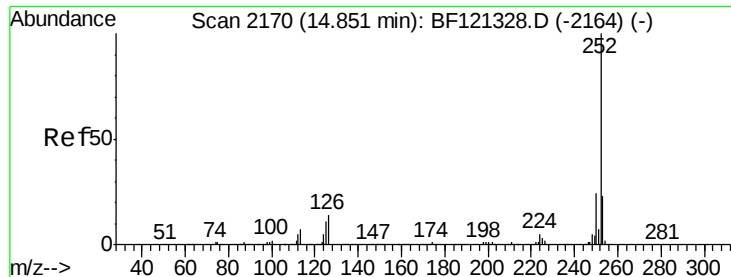
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 26.747 ng
RT: 16.64 min Scan# 2475
Delta R.T. 0.04 min
Lab File: BF121435.D
Acq: 25 Aug 2020 19:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	19.4	29.0
277	24.2	19.9	29.9





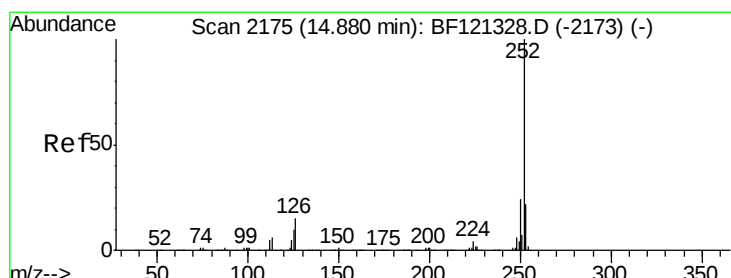
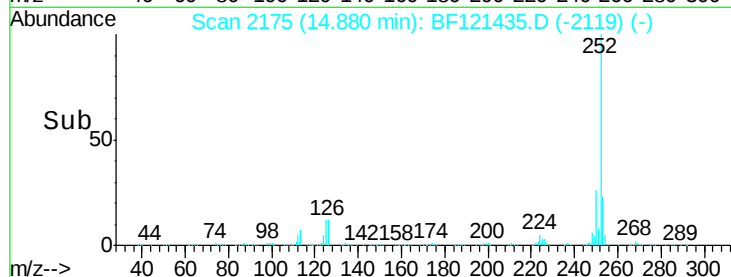
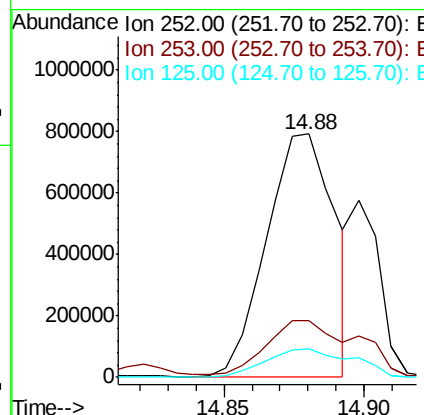
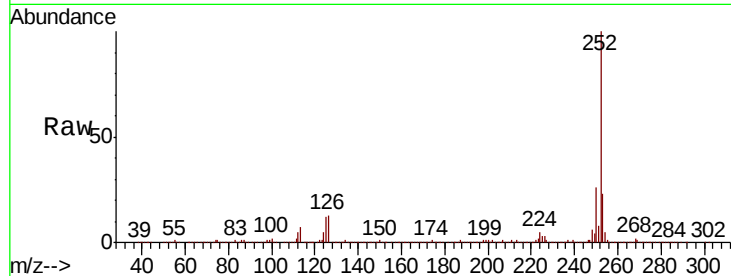
#88
Benzo(b)fluoranthene
Concen: 48.138 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.03 min
Lab File: BF121435.D
Acq: 25 Aug 2020 19:10

Instrument :
BNA_F
ClientSampled :
349-346DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.8	8.6	12.8

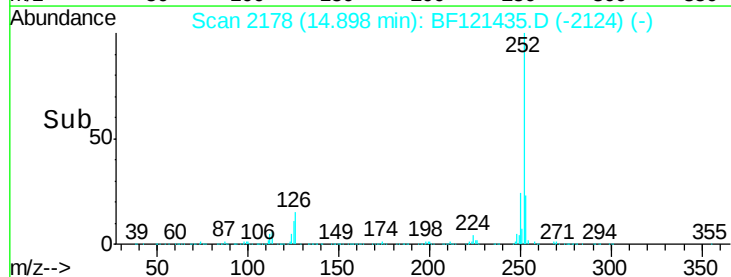
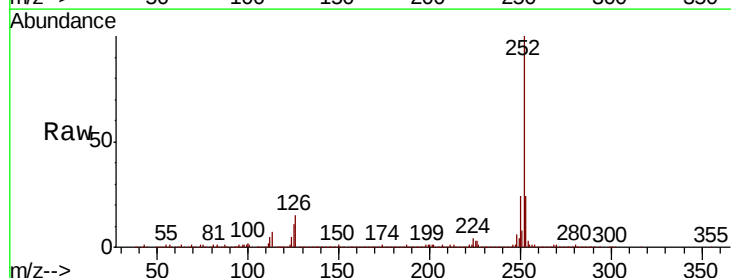
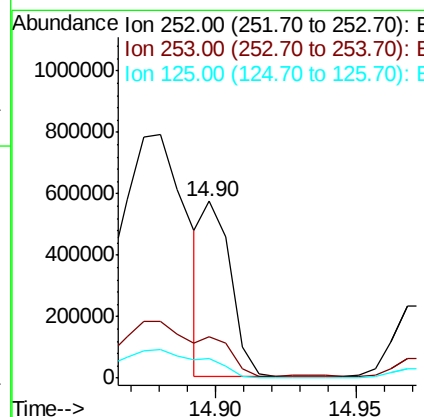
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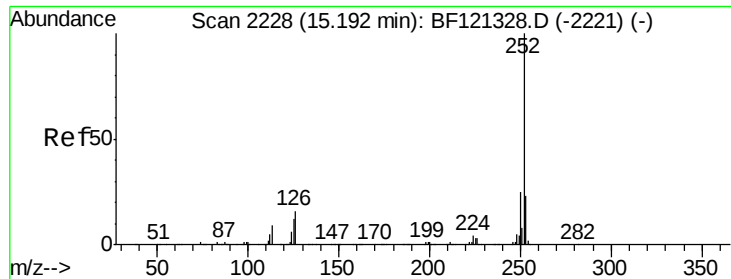
mohammad
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#89
Benzo(k)fluoranthene
Concen: 16.547 ng m
RT: 14.90 min Scan# 2178
Delta R.T. 0.02 min
Lab File: BF121435.D
Acq: 25 Aug 2020 19:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	11.0	8.6	12.8





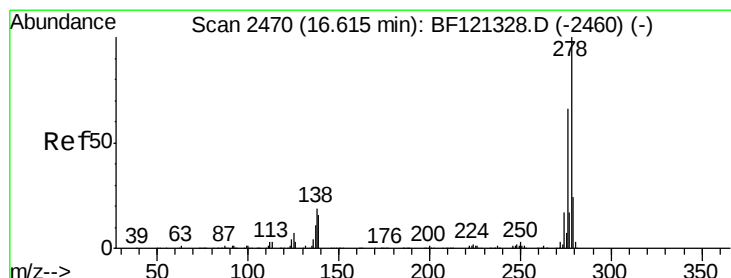
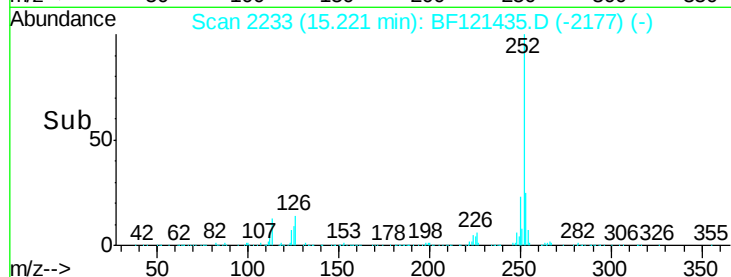
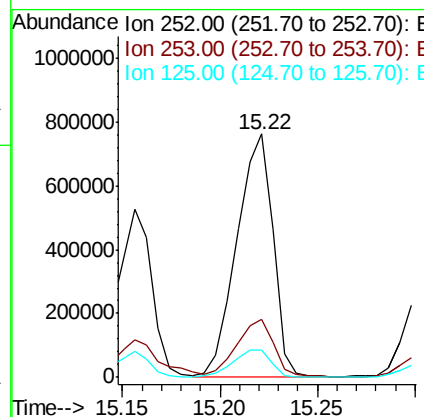
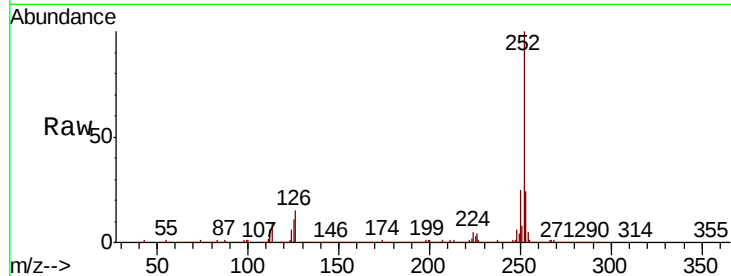
#90
Benzo(a)pyrene
Concen: 41.112 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.03 min
Lab File: BF121435.D
Acq: 25 Aug 2020 19:10

Instrument :
BNA_F
ClientSampled :
349-346DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	11.1	9.4	14.0

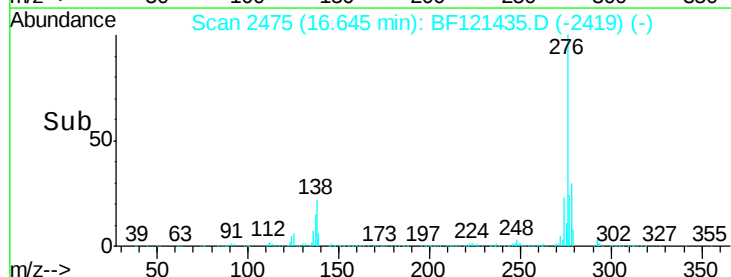
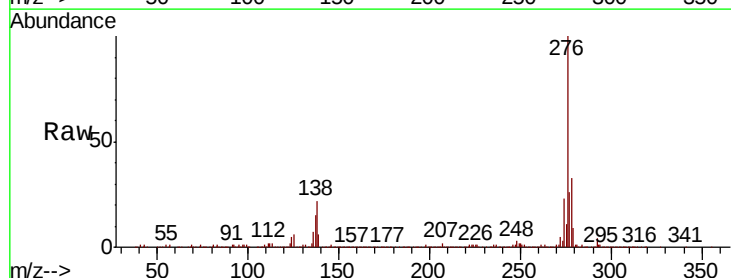
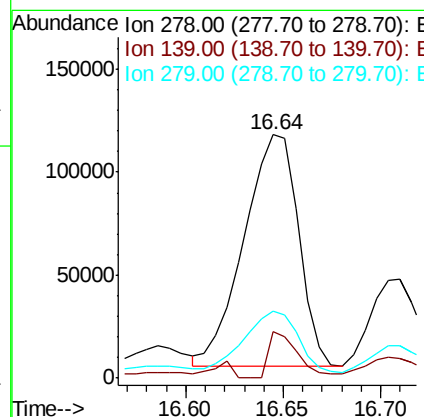
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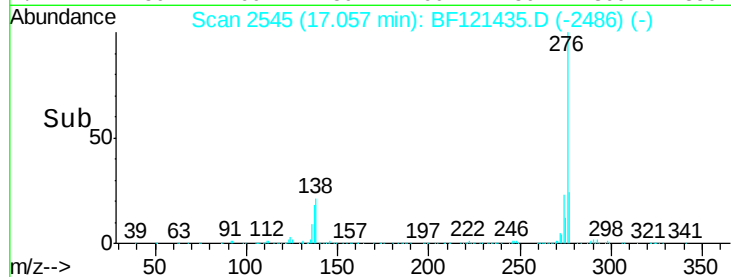
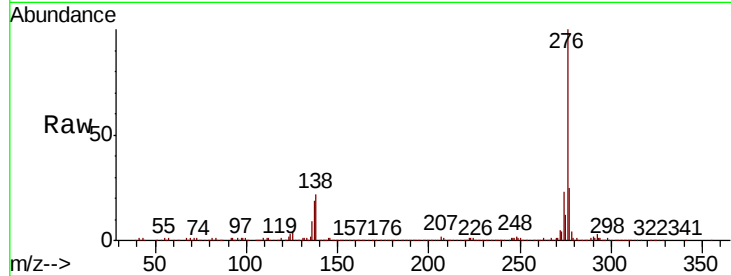
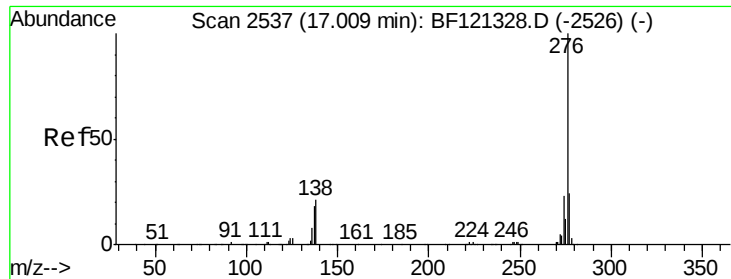
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 10.182 ng
RT: 16.64 min Scan# 2475
Delta R.T. 0.03 min
Lab File: BF121435.D
Acq: 25 Aug 2020 19:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.3	13.1	19.7
279	27.5	19.4	29.2





#92
 Benzo(a,h,i)perylene
 Concen: 29.341 ng
 RT: 17.06 min Scan# 2545
 Delta R.T. 0.05 min
 Lab File: BF121435.D
 Acq: 25 Aug 2020 19:10

Instrument :
 BNA_F
 ClientSampleId :
 349-346DL

Tot Ion:	276	Resp:	611464
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.3	28.9
138	22.4	16.8	25.2

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