

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
 Data File : BF121822.D
 Acq On : 5 Oct 2020 17:46
 Operator : JU/CG
 Sample : L4213-05DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-15(13-14)DL

Manual Integrations
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mohammad
 10/7/2020 10:36:02 AM

Quant Time: Oct 05 18:18:45 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	108969	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	430920	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	220692	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	390869	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	261783	20.00	ng	-0.01
86) Perylene-d12	15.35	264	255336	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	94687	12.91	ng	-0.01
7) Phenol-d6	6.40	99	149867	15.58	ng	-0.02
23) Nitrobenzene-d5	7.32	82	105848	13.19	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	10080	3.67	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	211595	14.52	ng	-0.02
79) Terphenyl-d14	12.86	244	204634	15.84	ng	-0.02

Target Compounds				Qvalue		
31) Naphthalene	8.06	128	75329	3.312	ng	99
52) Acenaphthene	9.83	154	46359	3.431	ng	97
55) Dibenzofuran	10.00	168	57749	3.035	ng	97
58) Fluorene	10.35	166	83011	5.705	ng	99
71) Phenanthrene	11.30	178	683361	32.088	ng	99
72) Anthracene	11.36	178	207951	9.462	ng	98
73) Carbazole	11.52	167	69394	3.499	ng	99
75) Fluoranthene	12.49	202	766174	33.702	ng	99
78) Pyrene	12.72	202	635416	33.221	ng	99
81) Benzo(a)anthracene	13.91	228	306715	18.520	ng	100
83) Chrysene	13.94	228	262374	15.645	ng	98
87) Indeno(1,2,3-cd)pyrene	16.76	276	152064	9.145	ng	96
88) Benzo(b)fluoranthene	14.94	252	287949m	16.869	ng	
89) Benzo(k)fluoranthene	14.97	252	116733m	7.468	ng	
90) Benzo(a)pyrene	15.30	252	227116	15.653	ng	98
91) Dibenzo(a,h)anthracene	16.77	278	41659m	3.010	ng	
92) Benzo(a,h,i)perylene	17.19	276	143418	10.541	ng	99

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

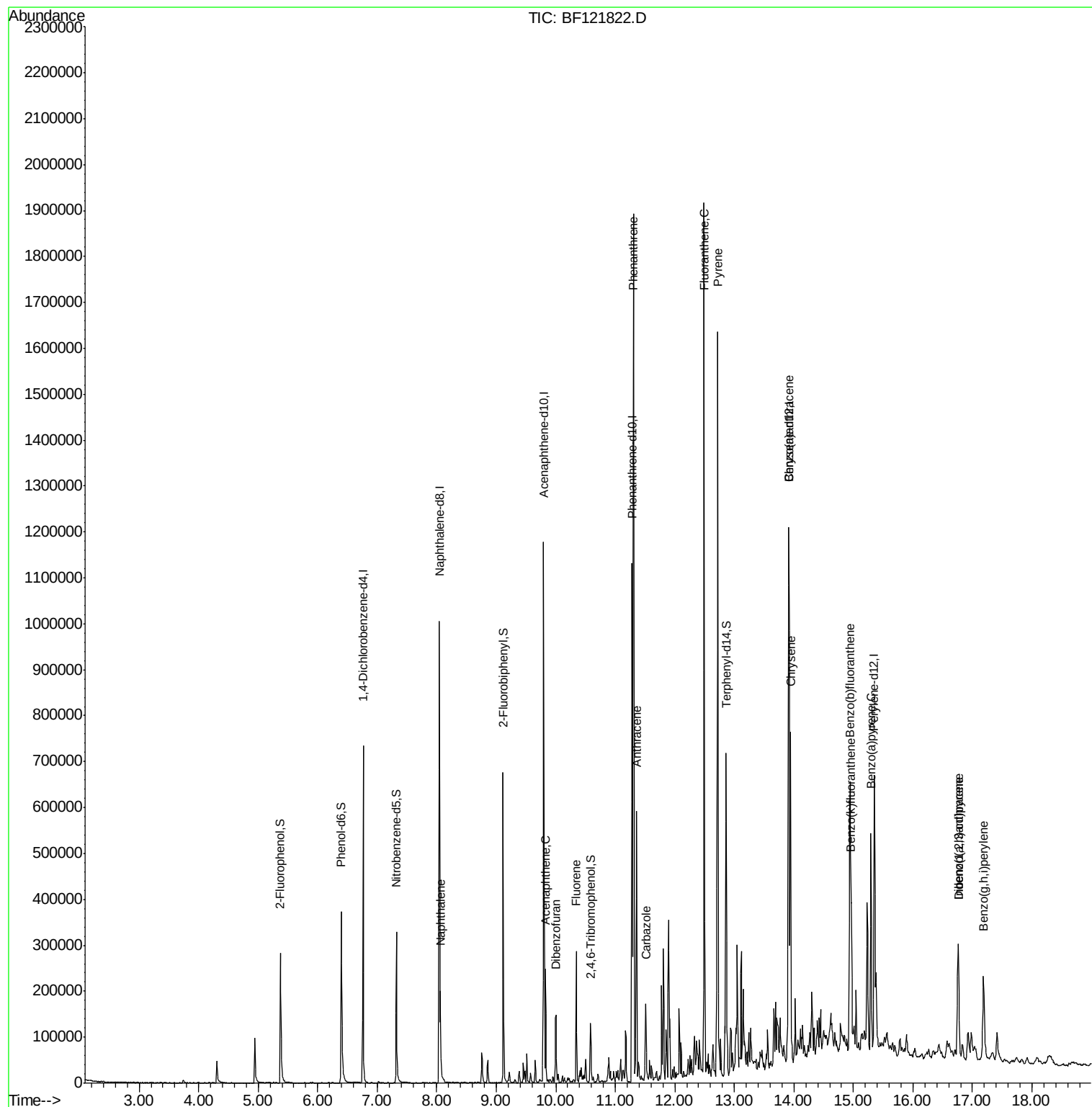
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
Data File : BF121822.D
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ALS Vial : 5 Sample Multiplier: 1

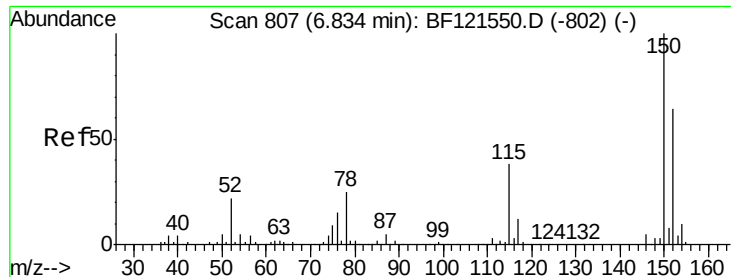
Instrument :
BNA_F
ClientSampleId :
B-15(13-14)DL

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Quant Time: Oct 05 18:18:45 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

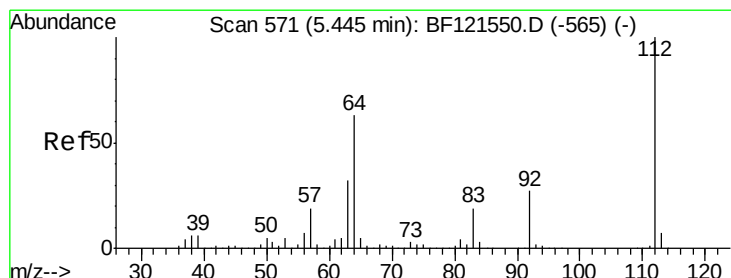
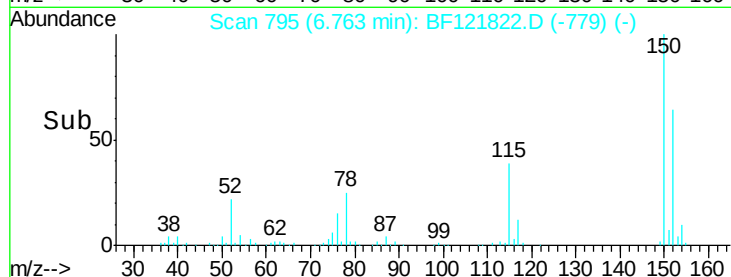
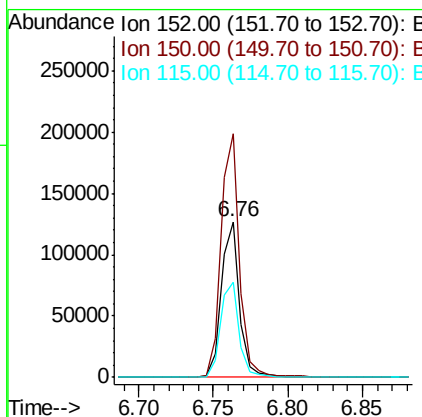
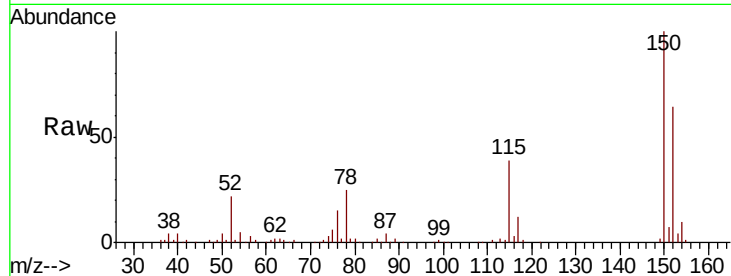
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Instrument :
BNA_F
ClientSampleId :
B-15(13-14)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	125.3	187.9
115	60.8	51.9	77.9

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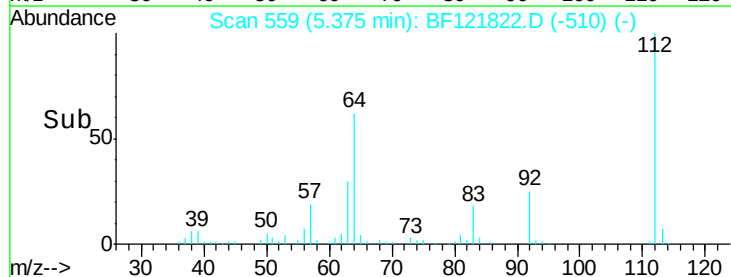
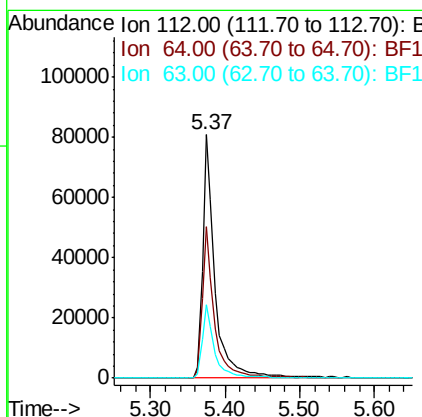
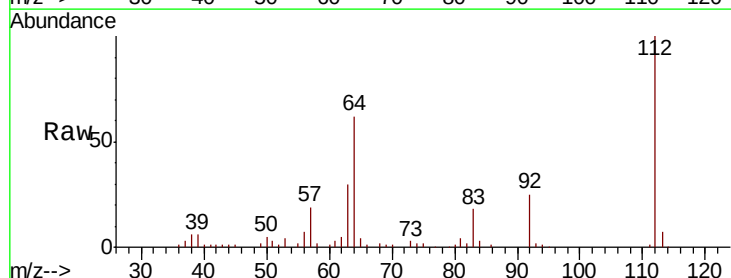
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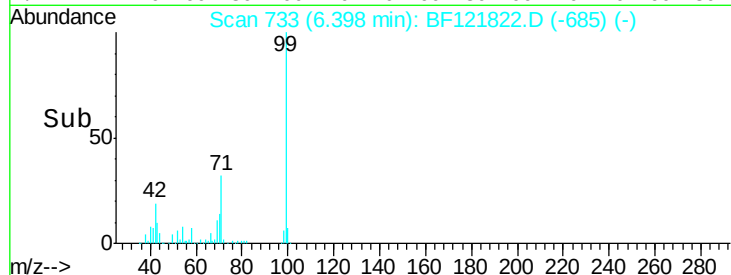
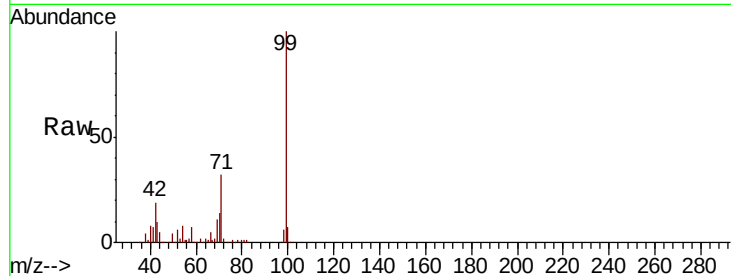
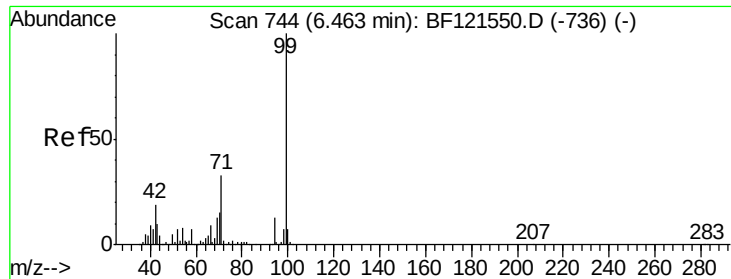


#5

2-Fluorophenol
Concen: 12.913 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	50.4	75.6
63	30.3	25.8	38.6





#7

Phenol-d6

Concen: 15.579 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.02 min

Lab File: BF121822.D

Acq: 5 Oct 2020 17:46

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		149867		
42	18.6	15.9	23.9		
71	31.9	27.1	40.7		

Instrument :

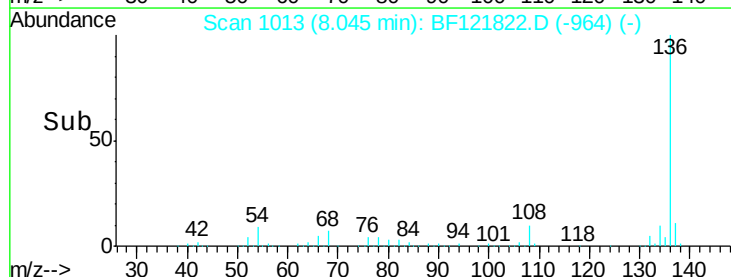
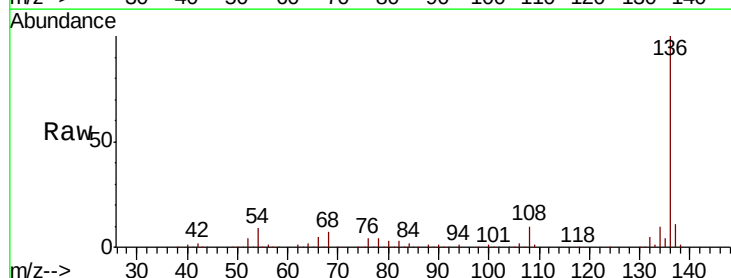
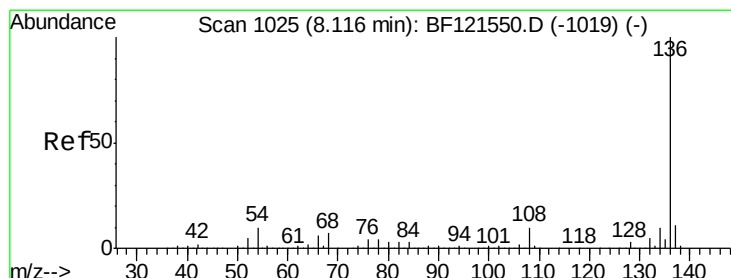
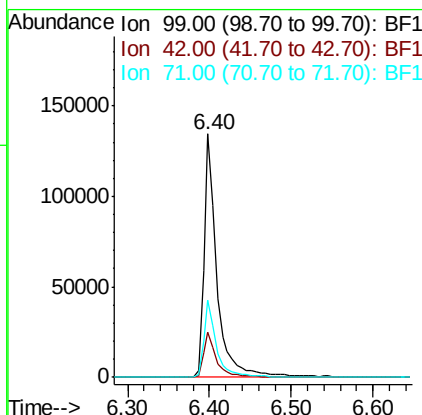
BNA_F

ClientSampleId :

B-15(13-14)DL

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#21

Naphthalene-d8

Concen: 20.000 ng

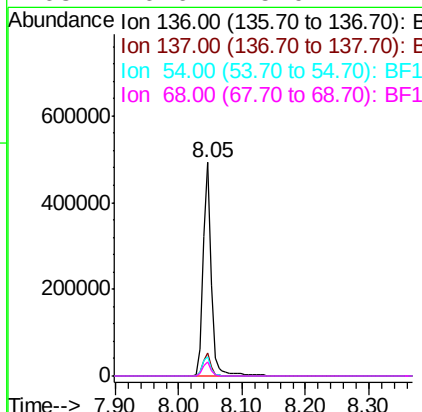
RT: 8.05 min Scan# 1013

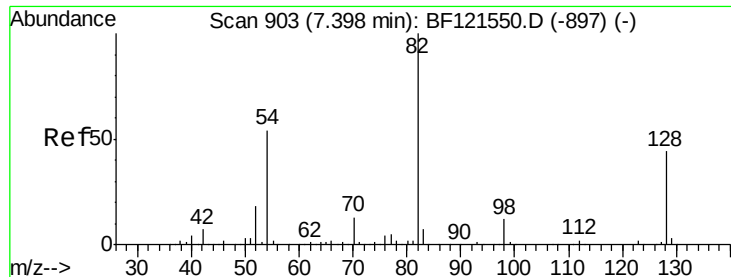
Delta R.T. -0.01 min

Lab File: BF121822.D

Acq: 5 Oct 2020 17:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		430920		
137	11.1	8.6	13.0		
54	8.8	7.1	10.7		
68	6.6	5.0	7.4		





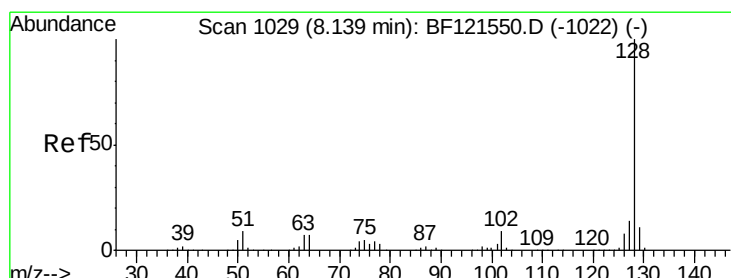
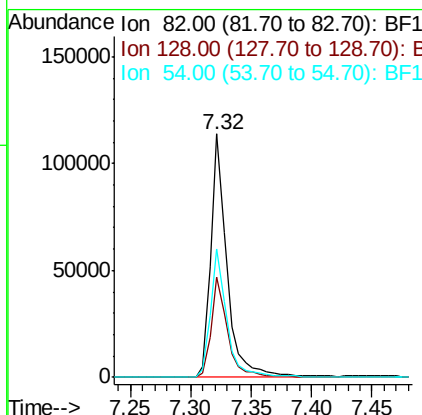
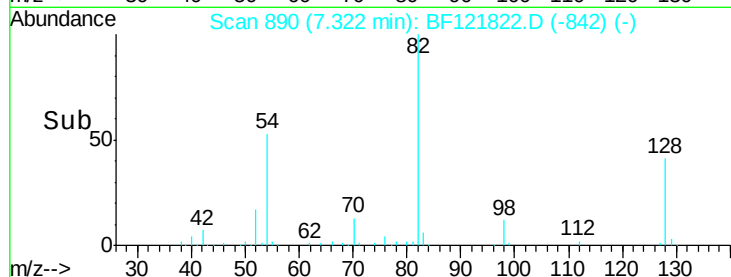
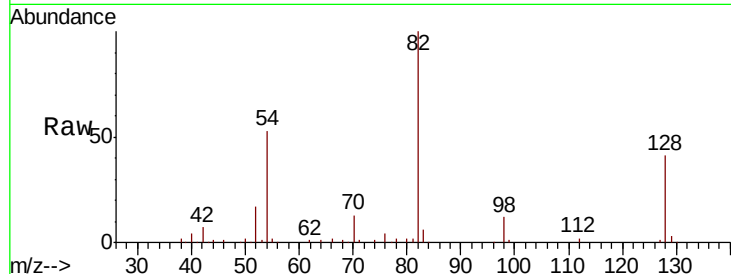
#23
Nitrobenzene-d5
Concen: 13.188 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Instrument :
BNA_F
ClientSampleId :
B-15(13-14)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	35.0	52.4
54	52.9	43.9	65.9

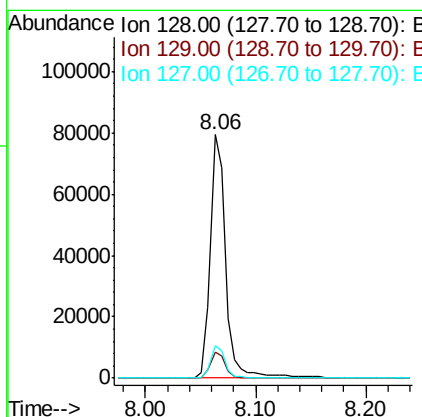
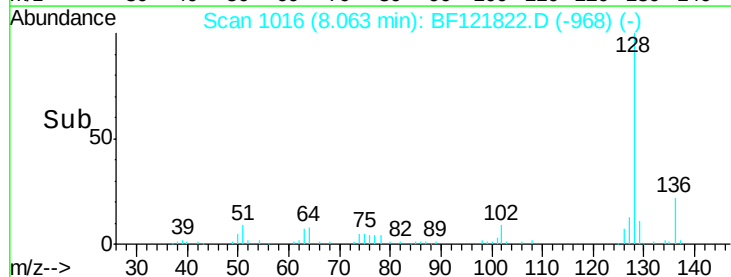
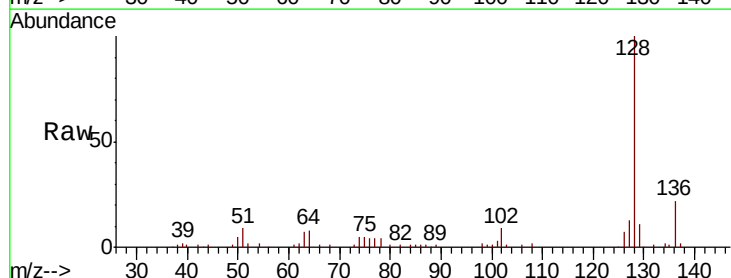
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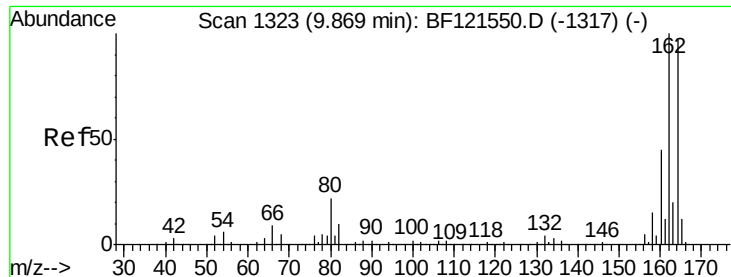
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#31
Naphthalene
Concen: 3.312 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.02 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.7	13.1
127	13.1	10.8	16.2





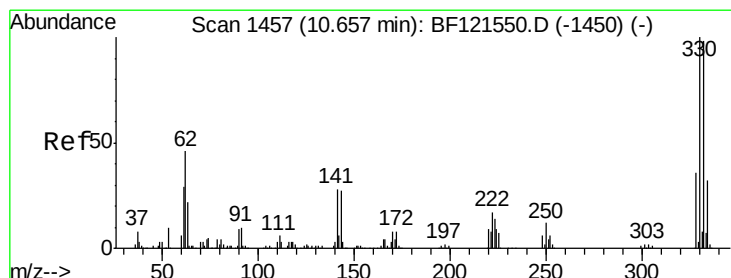
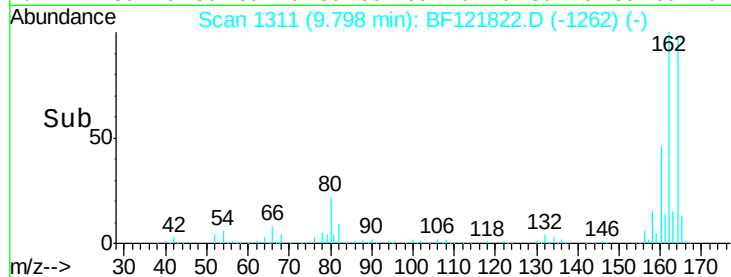
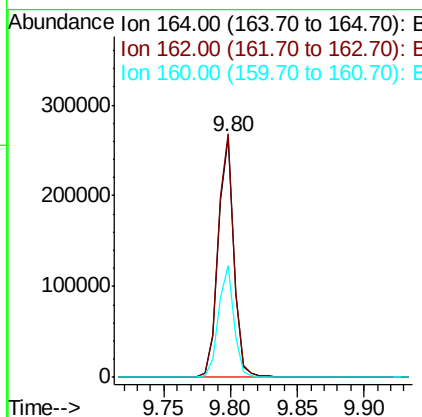
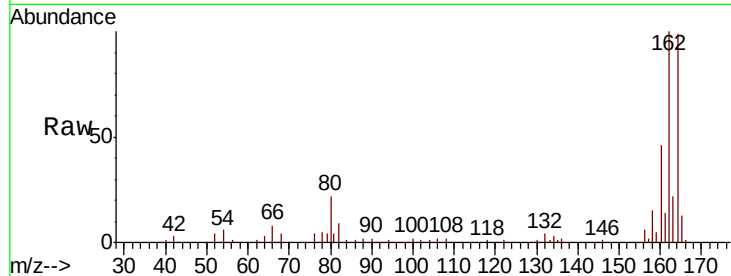
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Instrument :
BNA_F
ClientSampleId :
B-15(13-14)DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	83.2	124.8
160	46.5	37.5	56.3

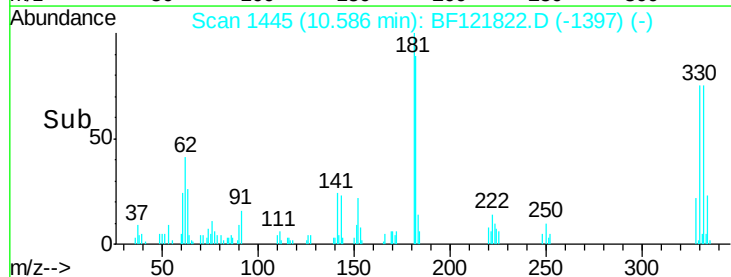
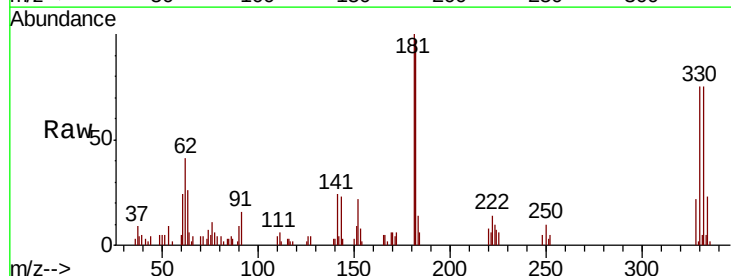
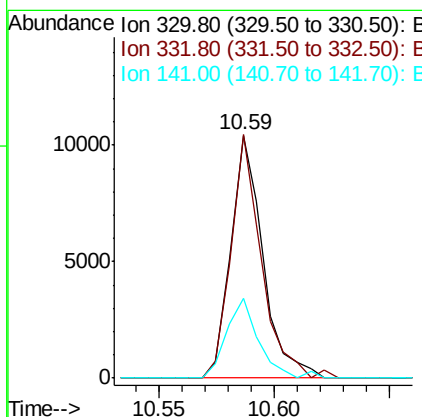
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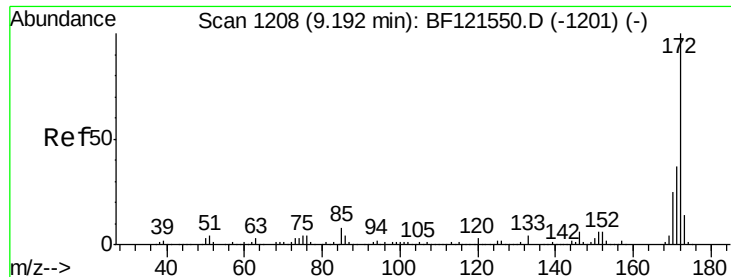
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#42
2,4,6-Tribromophenol
Concen: 3.675 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.02 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.3	115.9
141	33.3	22.3	33.5





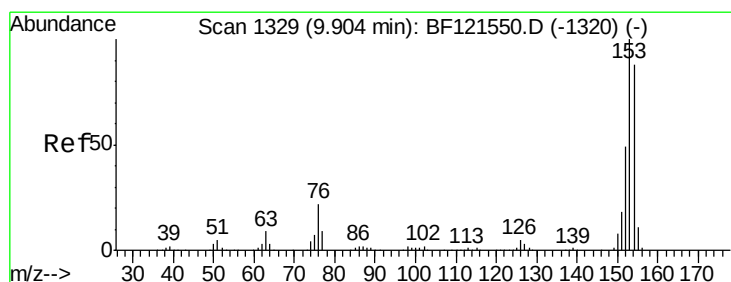
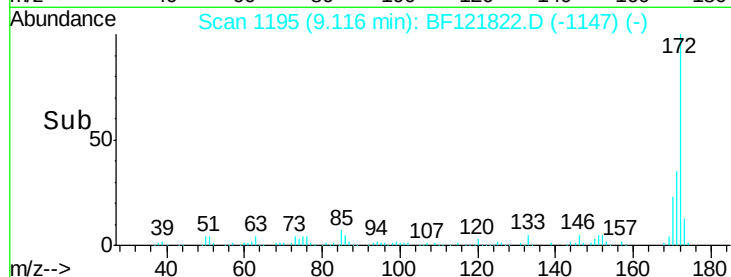
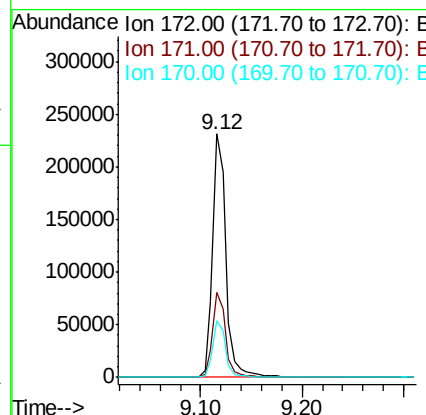
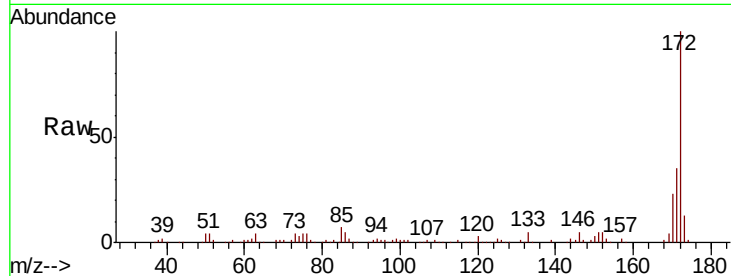
#45
2-Fluorobiphenyl
Concen: 14.521 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Instrument :
BNA_F
ClientSampleId :
B-15(13-14)DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	211595		
171	34.8		29.1	43.7
170	23.1		19.8	29.6

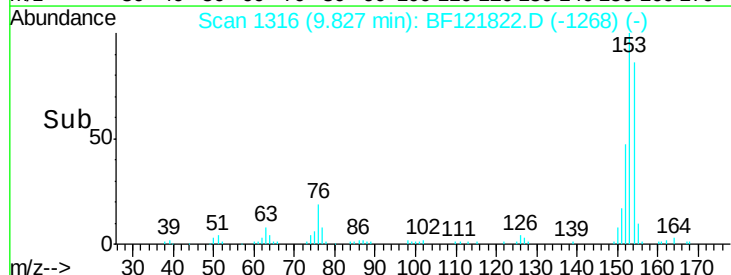
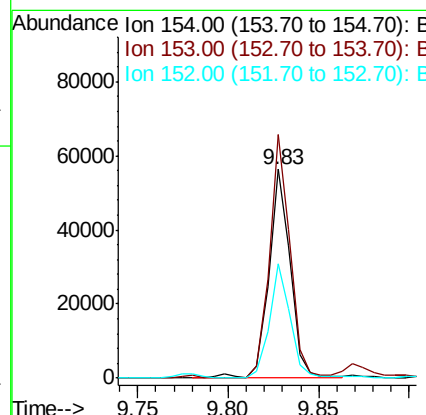
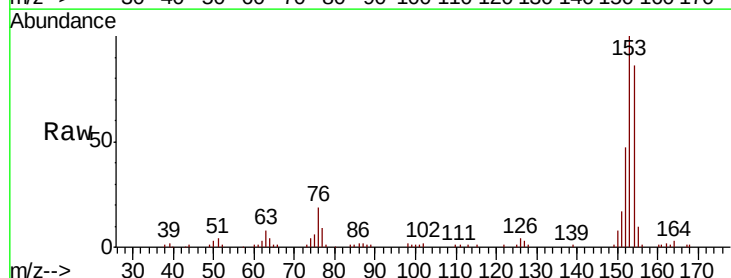
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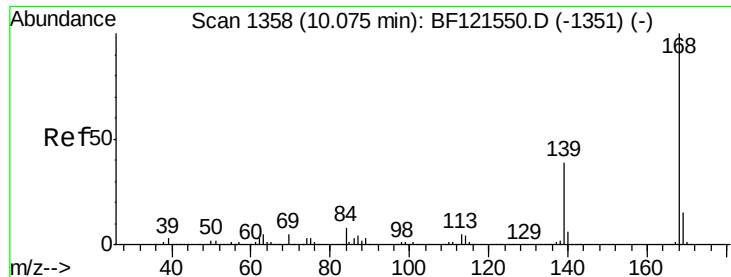
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#52
Acenaphthene
Concen: 3.431 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	46359		
153	116.6		89.8	134.8
152	54.6		43.2	64.8





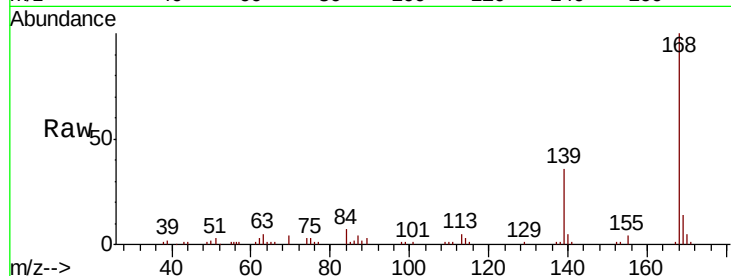
#55
Dibenzenofuran
Concen: 3.035 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Instrument :
BNA_F
ClientSampleId :
B-15(13-14)DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.4	31.0	46.6
169	14.5	11.3	16.9

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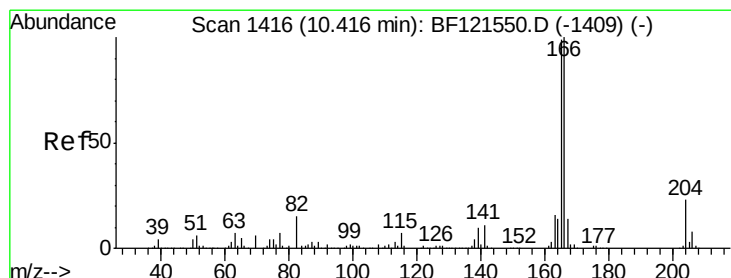
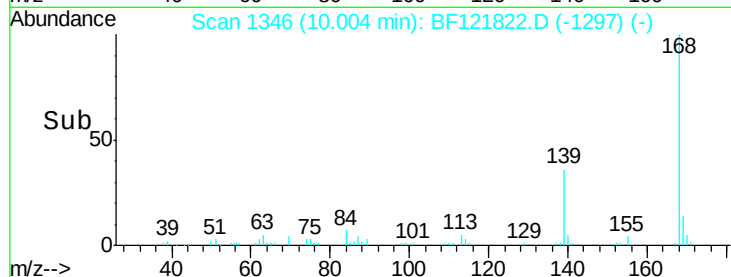
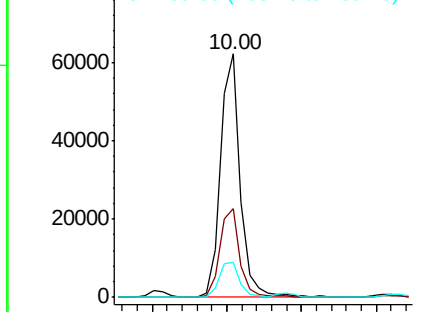


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 5.705 ng
RT: 10.35 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

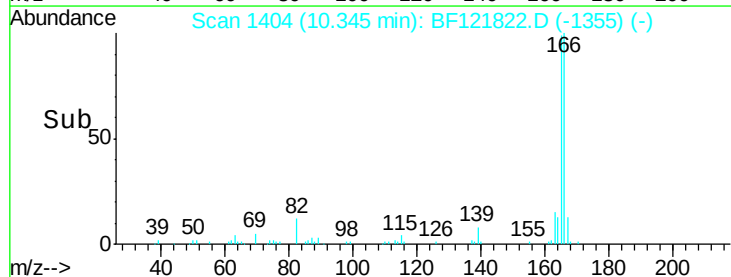
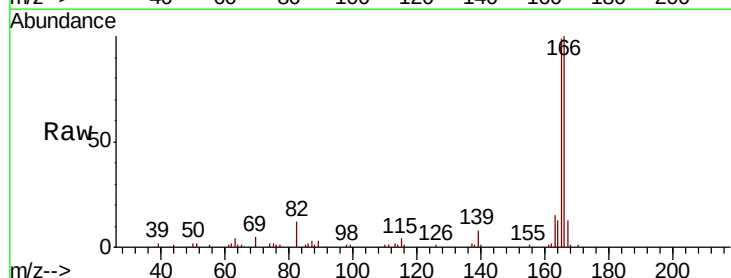
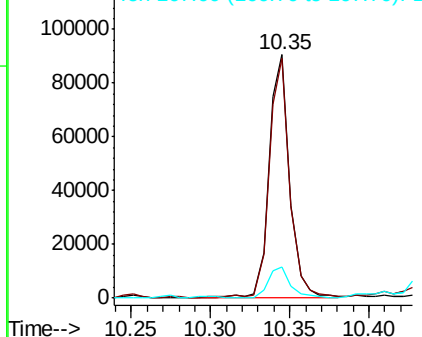
Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.1	118.7
167	13.1	11.0	16.6

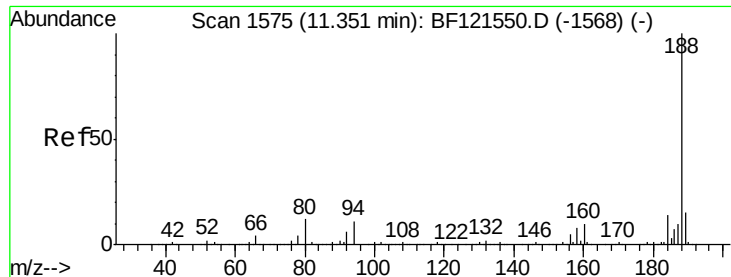
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF121822.D

Acq: 5 Oct 2020 17:46

Instrument :

BNA_F

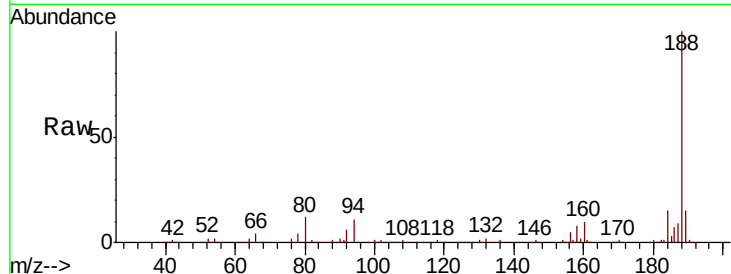
ClientSampleId :

B-15(13-14)DL

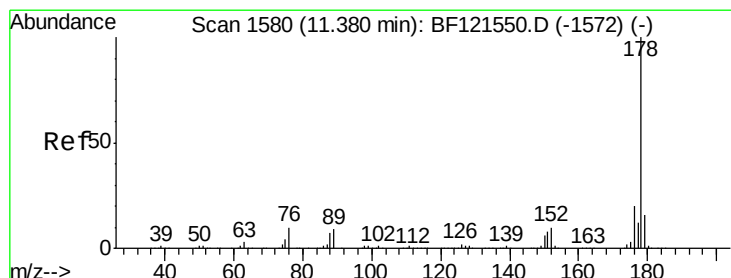
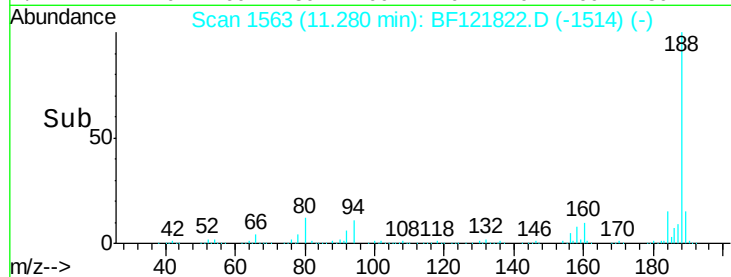
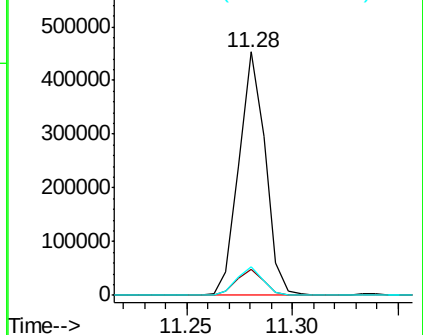
Tot Ion:	188	Resp:	390869
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.3	12.5
80	12.0	9.1	13.7

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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: 32.088 ng

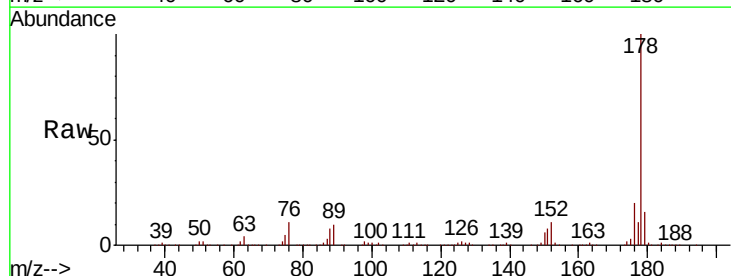
RT: 11.30 min Scan# 1567

Delta R.T. -0.02 min

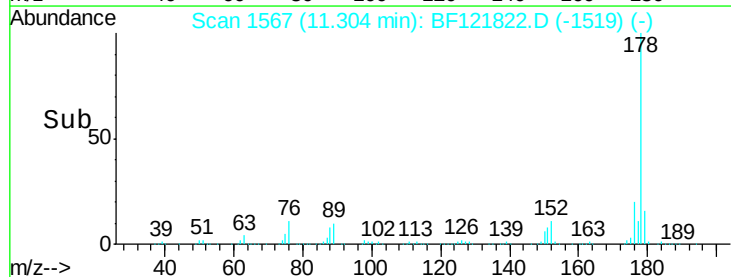
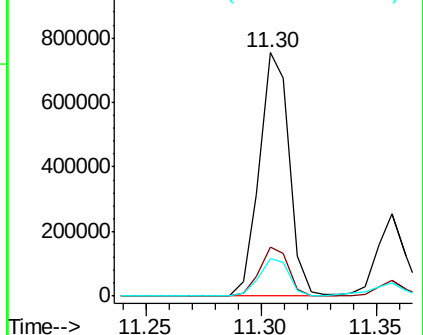
Lab File: BF121822.D

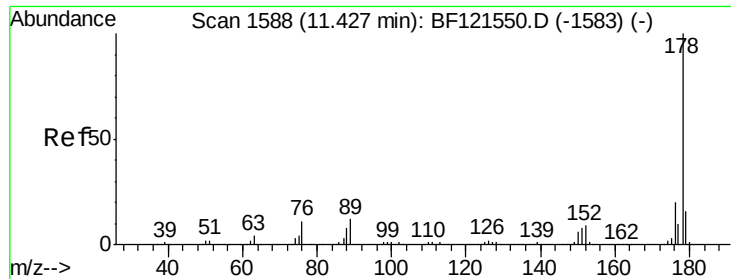
Acq: 5 Oct 2020 17:46

Tgt Ion:	178	Resp:	683361
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.9	23.9
179	15.6	12.2	18.4



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





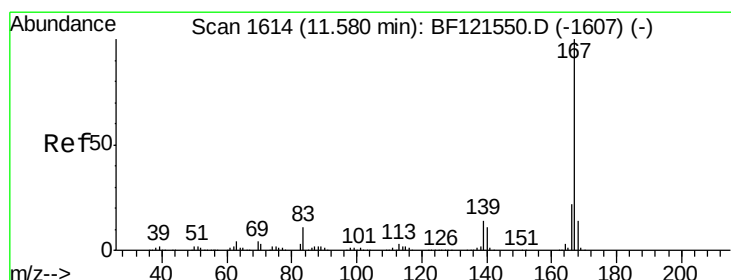
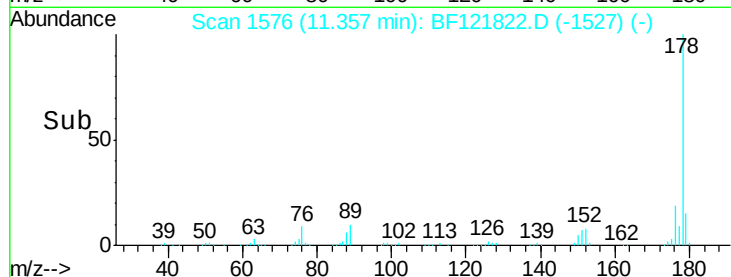
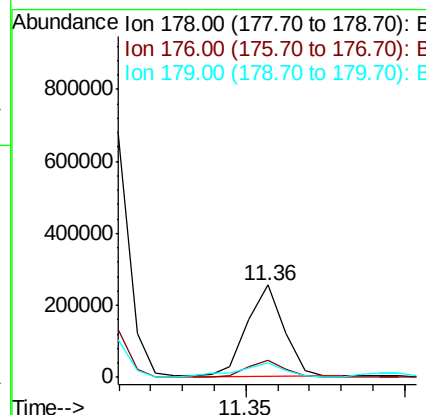
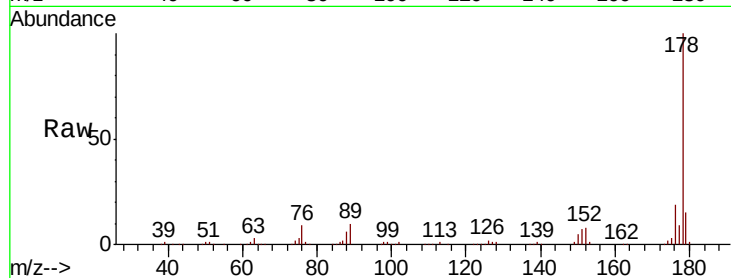
#72
 Anthracene
 Concen: 9.462 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF121822.D
 Acq: 5 Oct 2020 17:46

Instrument :
 BNA_F
 ClientSampleID :
 B-15(13-14)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	15.2	12.7	19.1

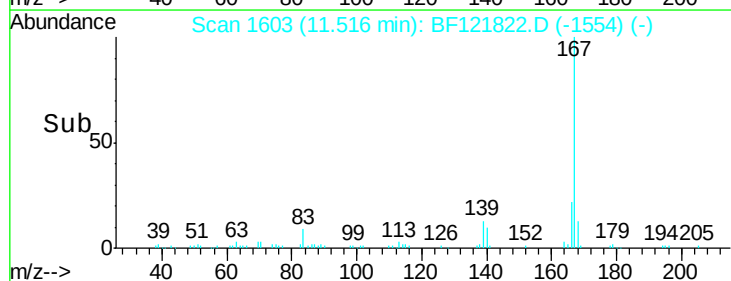
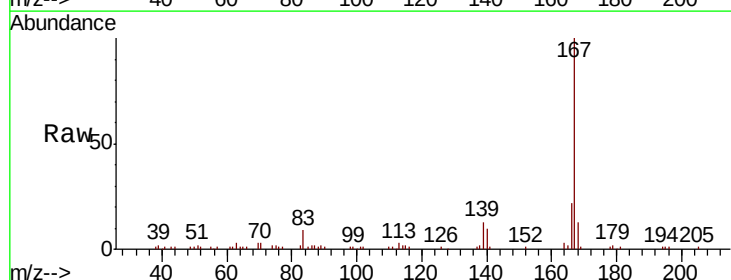
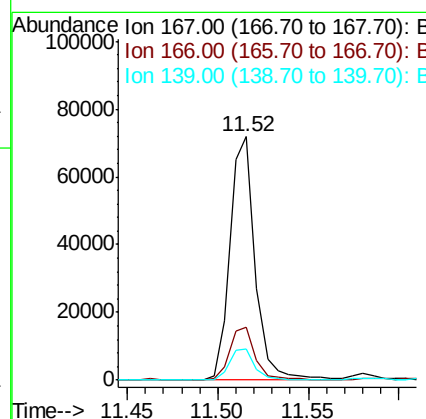
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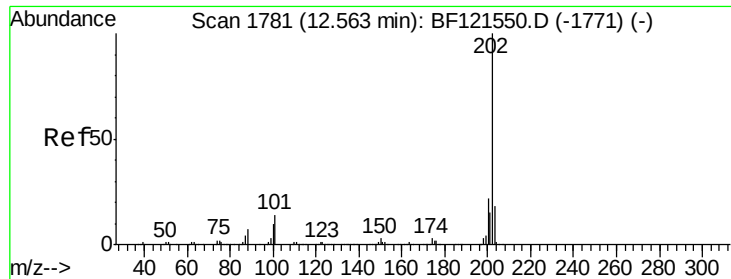
mohammad
 10/7/2020 10:36:02 AM



#73
 Carbazole
 Concen: 3.499 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF121822.D
 Acq: 5 Oct 2020 17:46

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.8	26.6
139	12.7	10.8	16.2





#75

Fluoranthene

Concen: 33.702 ng

RT: 12.49 min Scan# 1769

Delta R.T. -0.01 min

Lab File: BF121822.D

Acq: 5 Oct 2020 17:46

Instrument :

BNA_F

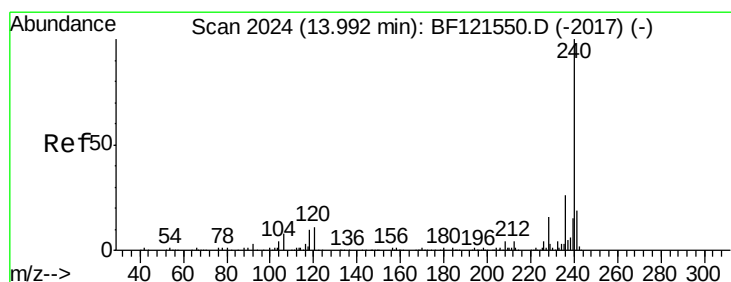
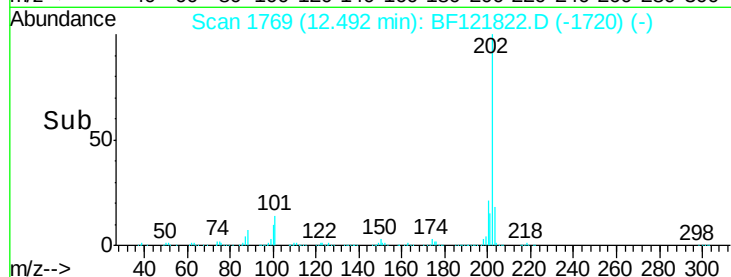
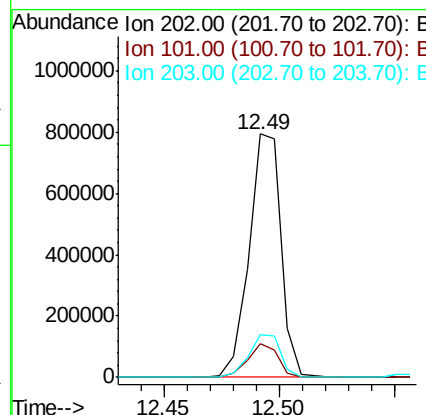
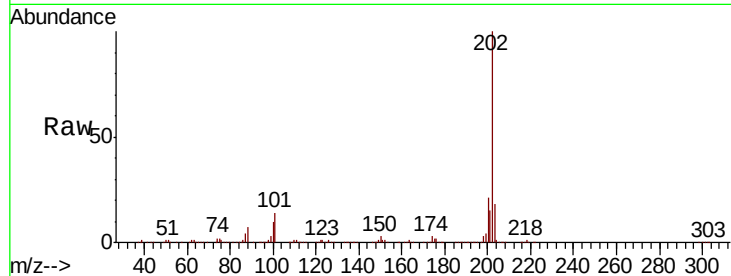
ClientSampleId :

B-15(13-14)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		766174		
101	13.9	0.0	33.4		
203	17.8	0.0	37.9		

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#76

Chrysene-d12

Concen: 20.000 ng

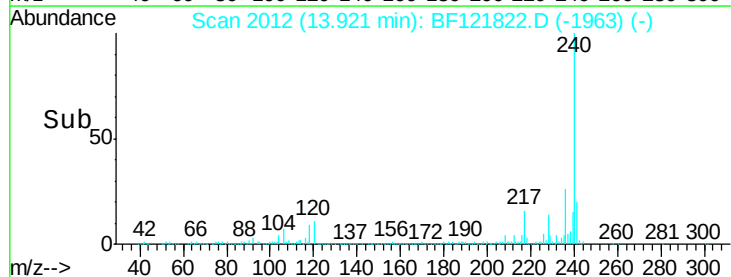
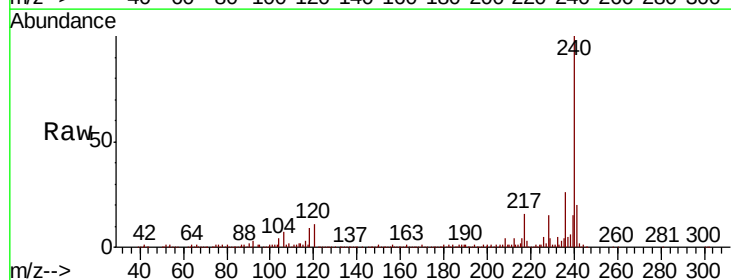
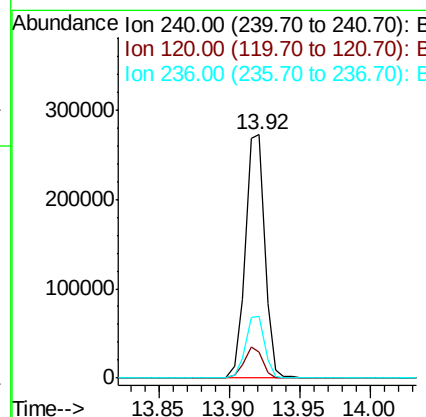
RT: 13.92 min Scan# 2012

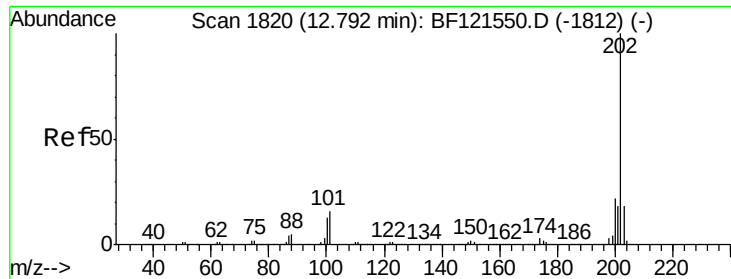
Delta R.T. -0.01 min

Lab File: BF121822.D

Acq: 5 Oct 2020 17:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		261783		
120	10.7	9.2	13.8		
236	25.6	20.9	31.3		





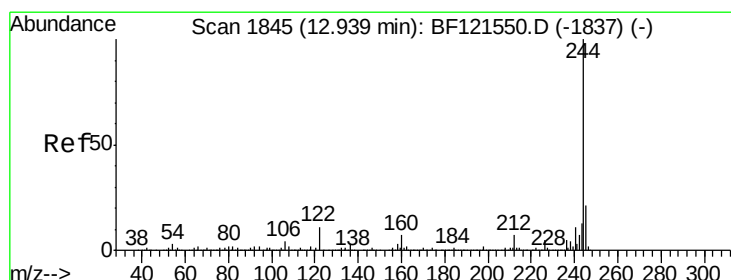
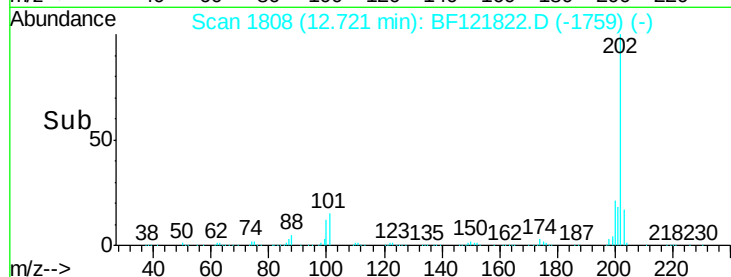
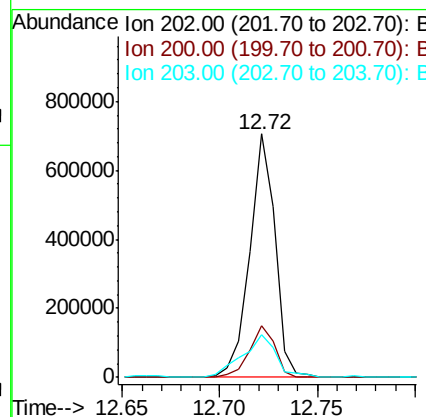
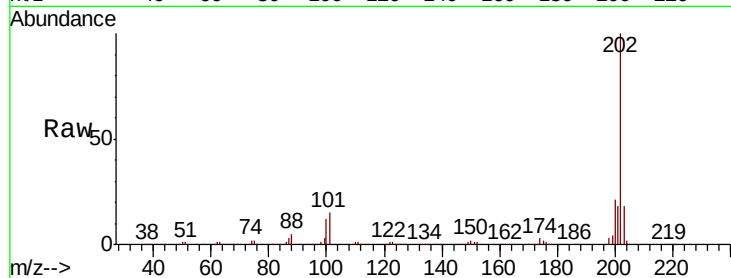
#78
Pvrene
Concen: 33.221 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Instrument :
BNA_F
ClientSampleId :
B-15(13-14)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.7	14.6	21.8

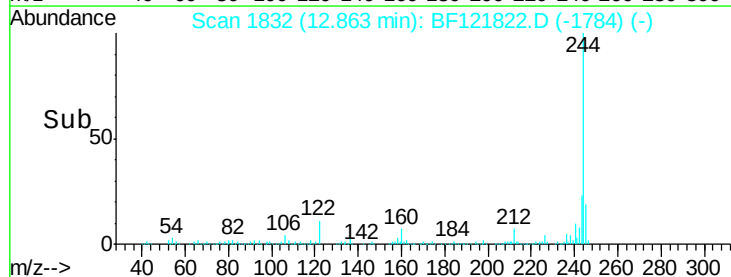
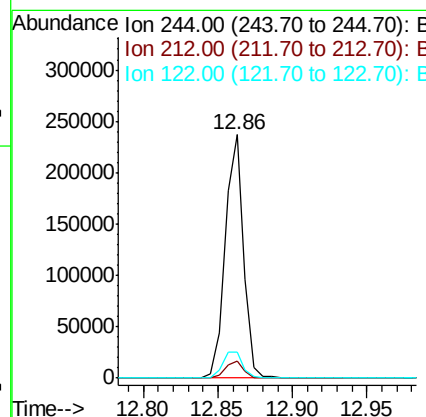
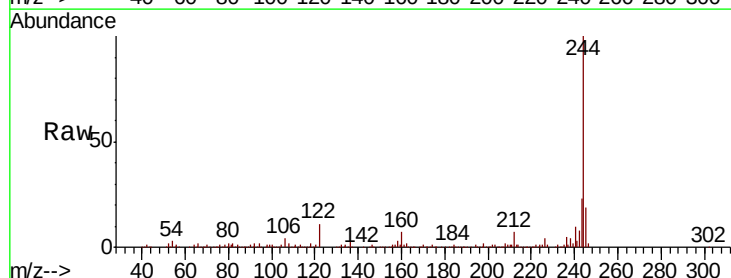
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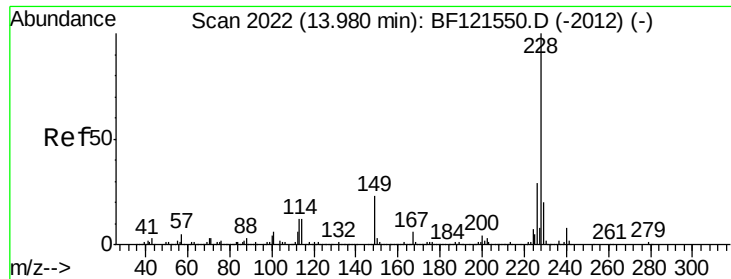
mohammad
10/7/2020 10:36:02 AM



#79
Terphenyl-d14
Concen: 15.836 ng
RT: 12.86 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	10.8	8.1	12.1





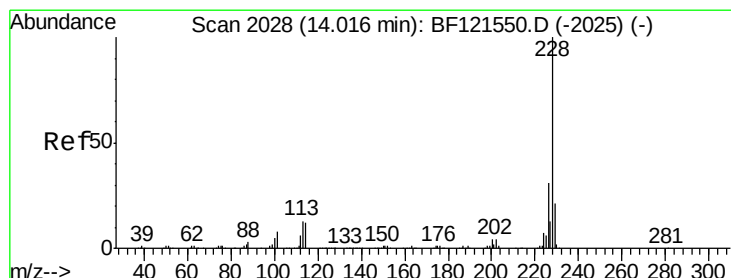
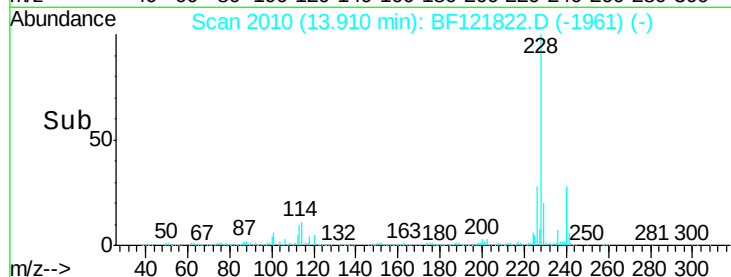
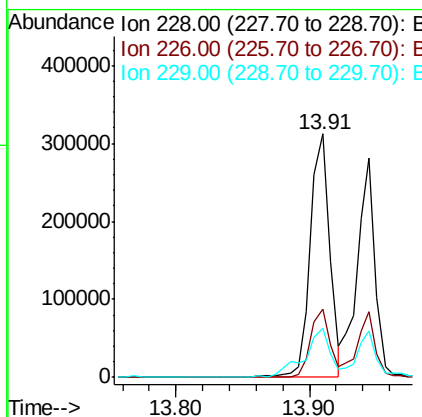
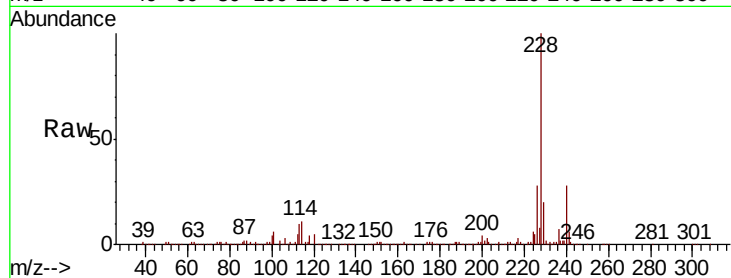
#81
Benzo(a)anthracene
Concen: 18.520 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Instrument :
BNA_F
ClientSampleId :
B-15(13-14)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.3	33.5
229	20.0	16.2	24.4

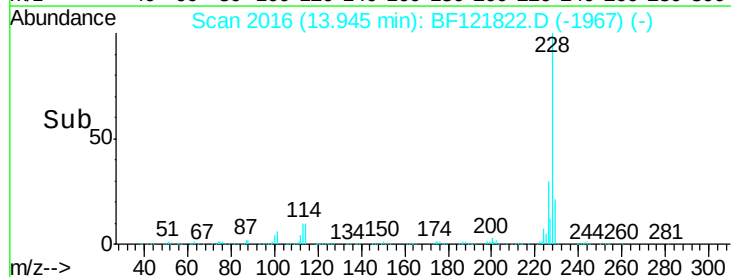
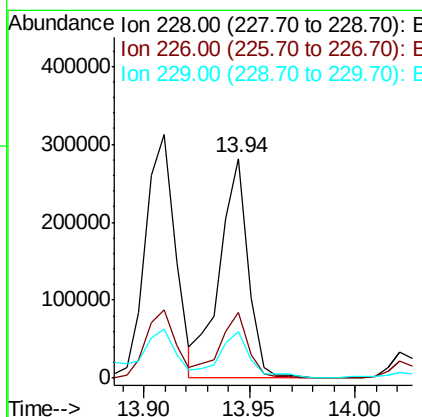
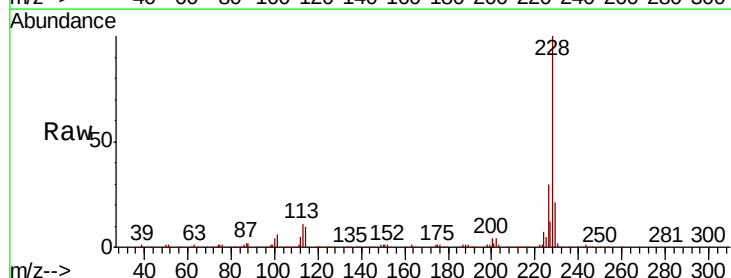
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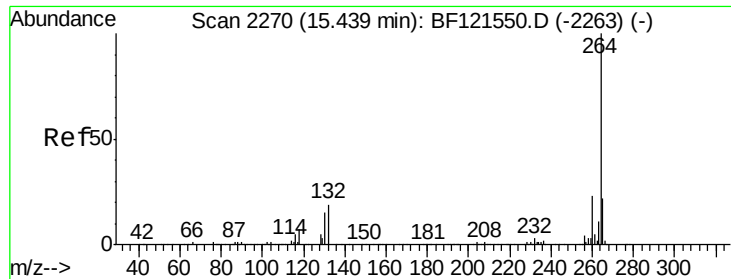
mohammad
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#83
Chrysene
Concen: 15.645 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	21.4	15.9	23.9





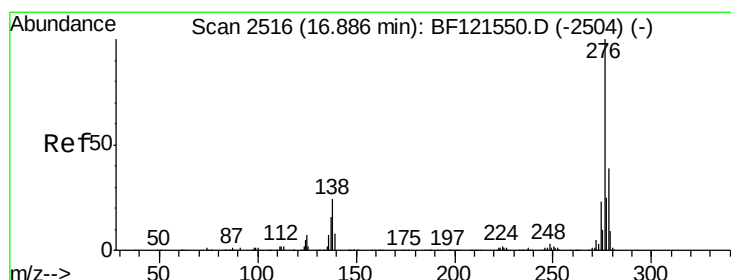
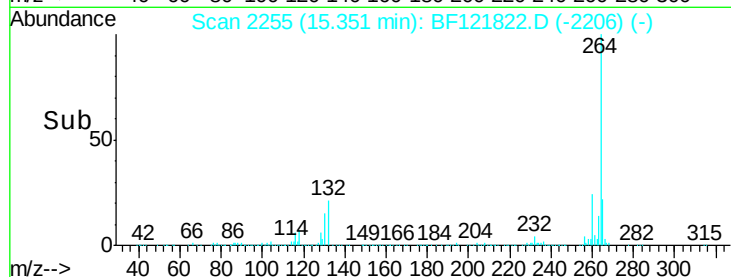
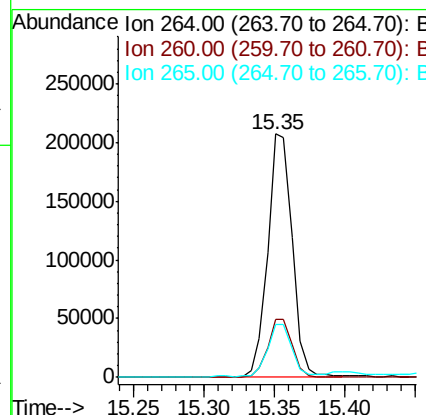
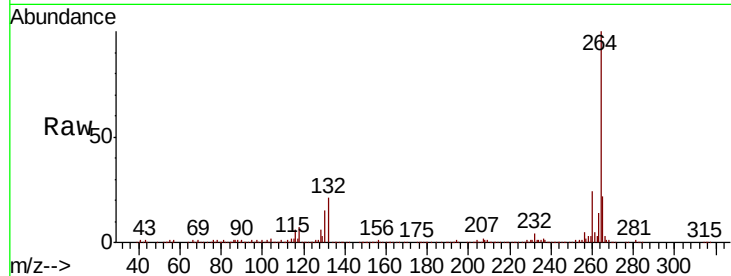
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.01 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Instrument :
BNA_F
ClientSampleId :
B-15(13-14)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	21.9	17.3	25.9

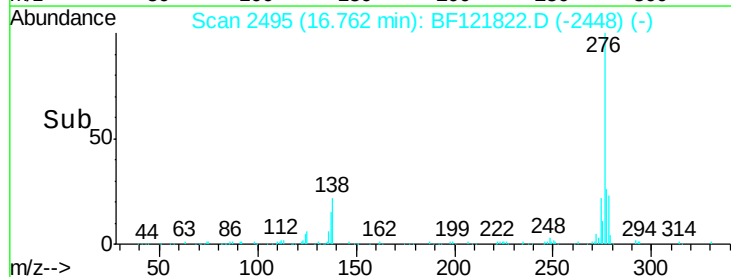
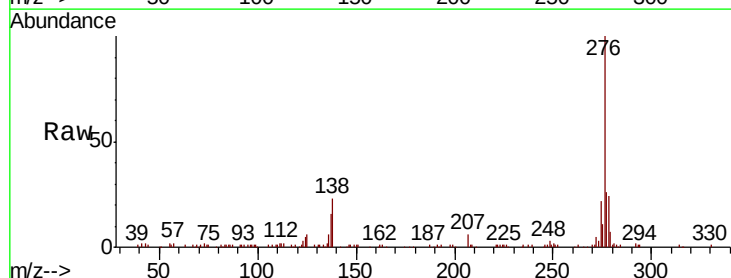
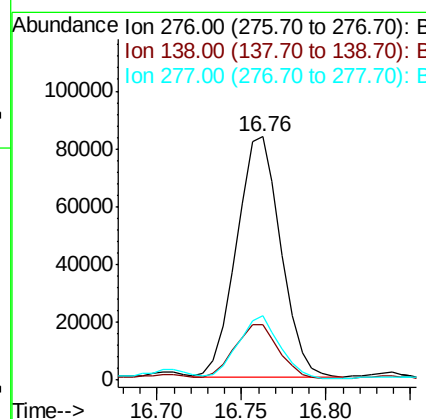
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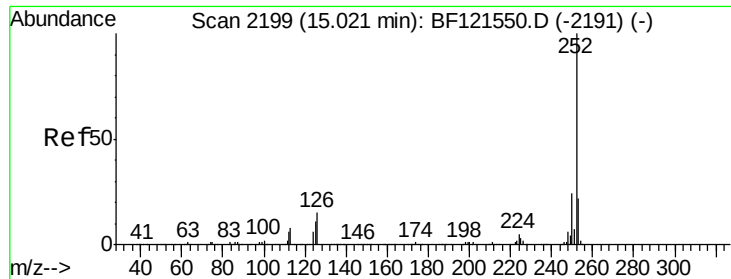
mohammad
10/7/2020 10:36:02 AM



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.145 ng
RT: 16.76 min Scan# 2495
Delta R.T. -0.02 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.9	29.9
277	24.4	20.4	30.6





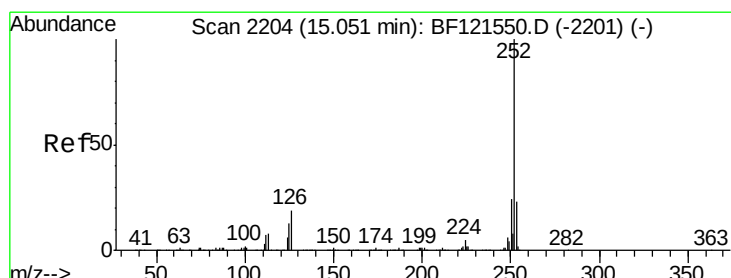
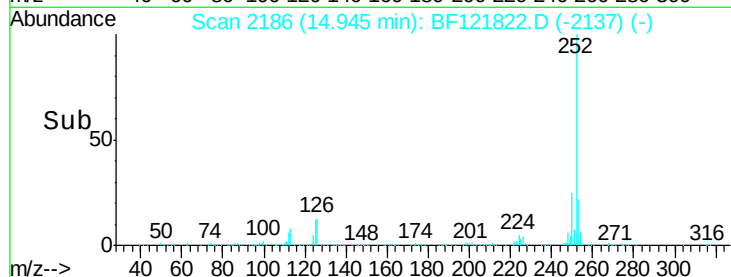
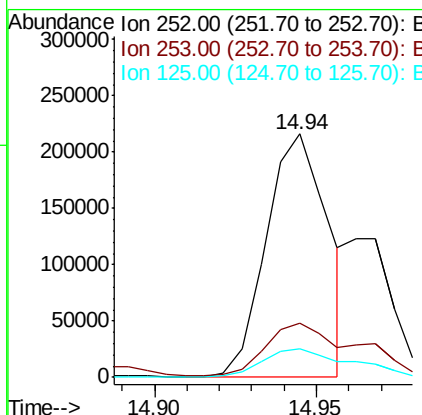
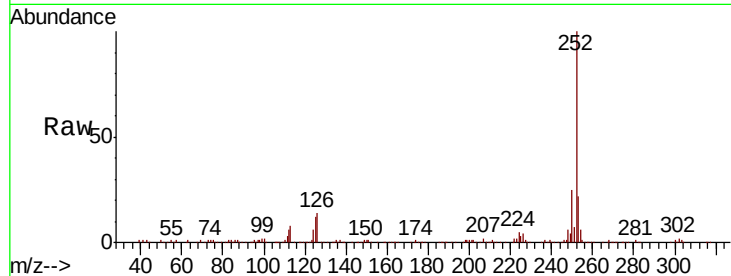
#88
Benzo(b)fluoranthene
Concen: 16.869 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Instrument :
BNA_F
ClientSampleId :
B-15(13-14)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	11.8	8.0	12.0

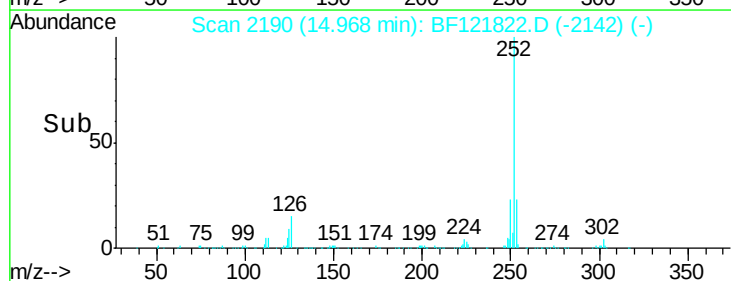
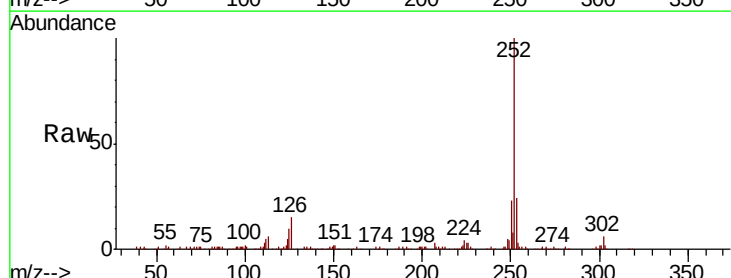
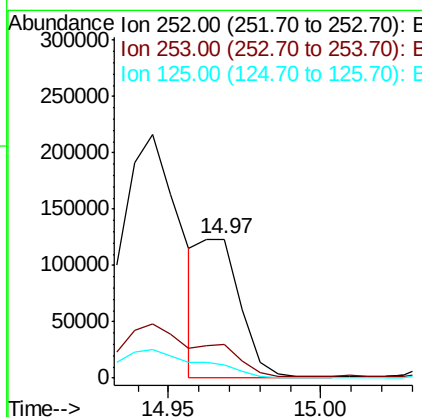
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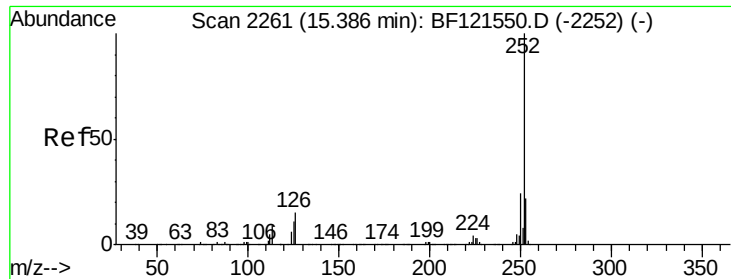
mohammad
10/7/2020 10:36:02 AM



#89
Benzo(k)fluoranthene
Concen: 7.468 ng m
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	9.6	7.7	11.5





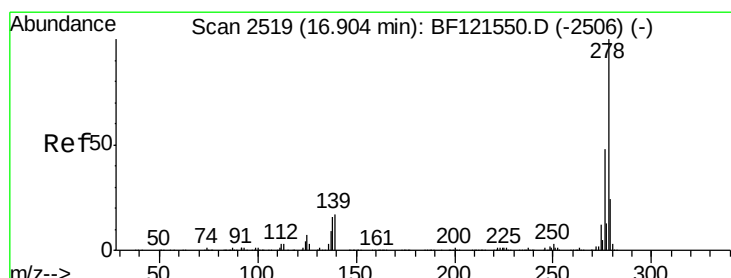
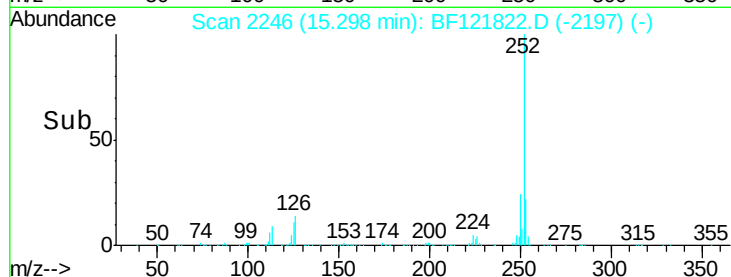
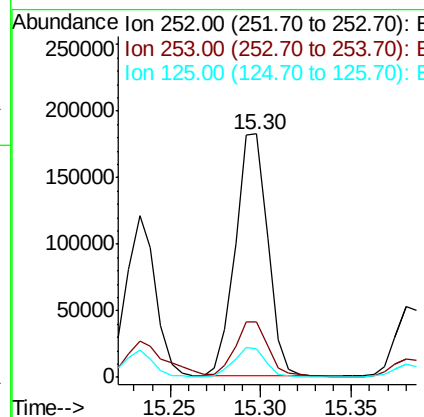
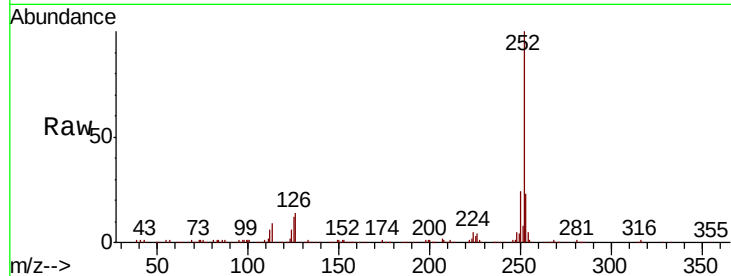
#90
Benzo(a)pyrene
Concen: 15.653 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Instrument :
BNA_F
ClientSampleId :
B-15(13-14)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	11.6	8.6	13.0

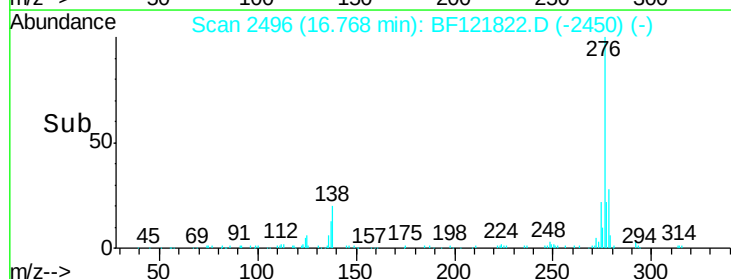
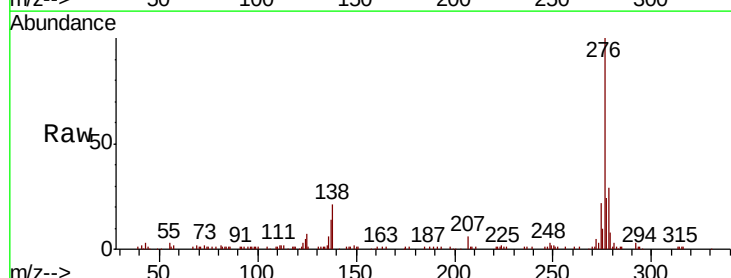
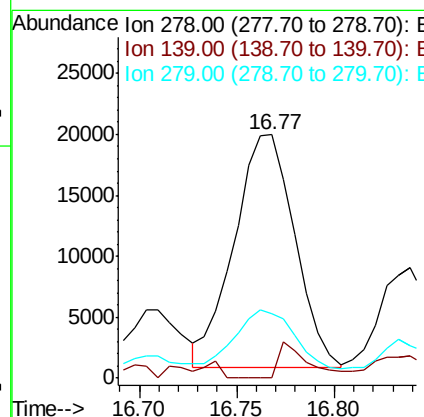
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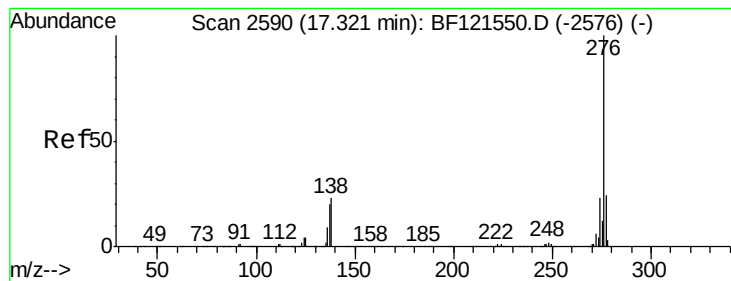
mohammad
10/7/2020 10:36:02 AM



#91
Dibenzo(a,h)anthracene
Concen: 3.010 ng m
RT: 16.77 min Scan# 2496
Delta R.T. -0.03 min
Lab File: BF121822.D
Acq: 5 Oct 2020 17:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	26.7	19.0	28.4





#92

Benzo(a,h,i)perylene

Concen: 10.541 ng

RT: 17.19 min Scan# 2567

Delta R.T. -0.02 min

Lab File: BF121822.D

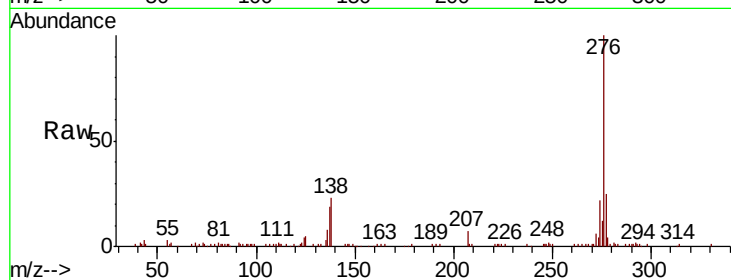
Acq: 5 Oct 2020 17:46

Instrument :

BNA_F

ClientSampleId :

B-15(13-14)DL



Tot Ion:	276	Resp:	143418
Ion Ratio		Lower	Upper
276	100		
277	24.7	19.4	29.2
138	22.9	17.8	26.6

Manual Integrations
APPROVED

mohammad
10/7/2020 10:36:02 AM

