

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051920\
 Data File : BF120362.D
 Acq On : 19 May 2020 14:27
 Operator : MA/SJ
 Sample : L2674-02DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PS-STOCK-4DL

Manual Integrations
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Quant Time: May 19 15:07:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 13:17:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	272183	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	975017	20.00	ng	0.00
39) Acenaphthene-d10	9.63	164	562527	20.00	ng	0.00
64) Phenanthrene-d10	11.12	188	900598	20.00	ng	0.00
76) Chrysene-d12	13.76	240	533018	20.00	ng	-0.01
87) Perylene-d12	15.15	264	465772	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	127626	9.12	ng	0.00
7) Phenol-d6	6.25	99	209875	11.86	ng	0.00
23) Nitrobenzene-d5	7.16	82	112805	7.92	ng	-0.01
42) 2,4,6-Tribromophenol	10.43	330	47356	10.32	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	235893	8.62	ng	-0.01
79) Terphenyl-d14	12.70	244	259263	10.75	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.90	128	357805	8.70	ng	98
37) 2-Methylnaphthalene	8.59	142	108988	3.87	ng	100
38) 1-Methylnaphthalene	8.69	142	73820	2.70	ng	97
52) Acenaphthene	9.66	154	272501	10.07	ng	98
55) Dibenzofuran	9.84	168	300809	7.72	ng	98
58) Fluorene	10.18	166	432476	14.57	ng	100
71) Phenanthrene	11.14	178	2155749	56.97	ng	100
72) Anthracene	11.20	178	949906	23.45	ng	98
73) Carbazole	11.36	167	192041	5.07	ng	97
75) Fluoranthene	12.34	202	2471645	60.94	ng	99
78) Pyrene	12.56	202	2045594	53.83	ng	99
81) Benzo(a)anthracene	13.75	228	876501	31.18	ng	99
83) Chrysene	13.79	228	696667	23.08	ng	97
86) Indeno(1,2,3-cd)pyrene	16.47	276	310971m	11.35	ng	
88) Benzo(b)fluoranthene	14.77	252	700370m	27.53	ng	
89) Benzo(k)fluoranthene	14.78	252	327946m	14.88	ng	
90) Benzo(a)pyrene	15.10	252	558528	24.48	ng	97
91) Dibenzo(a,h)anthracene	16.47	278	79382m	3.93	ng	
92) Benzo(g,h,i)perylene	16.86	276	282786	13.88	ng	97

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

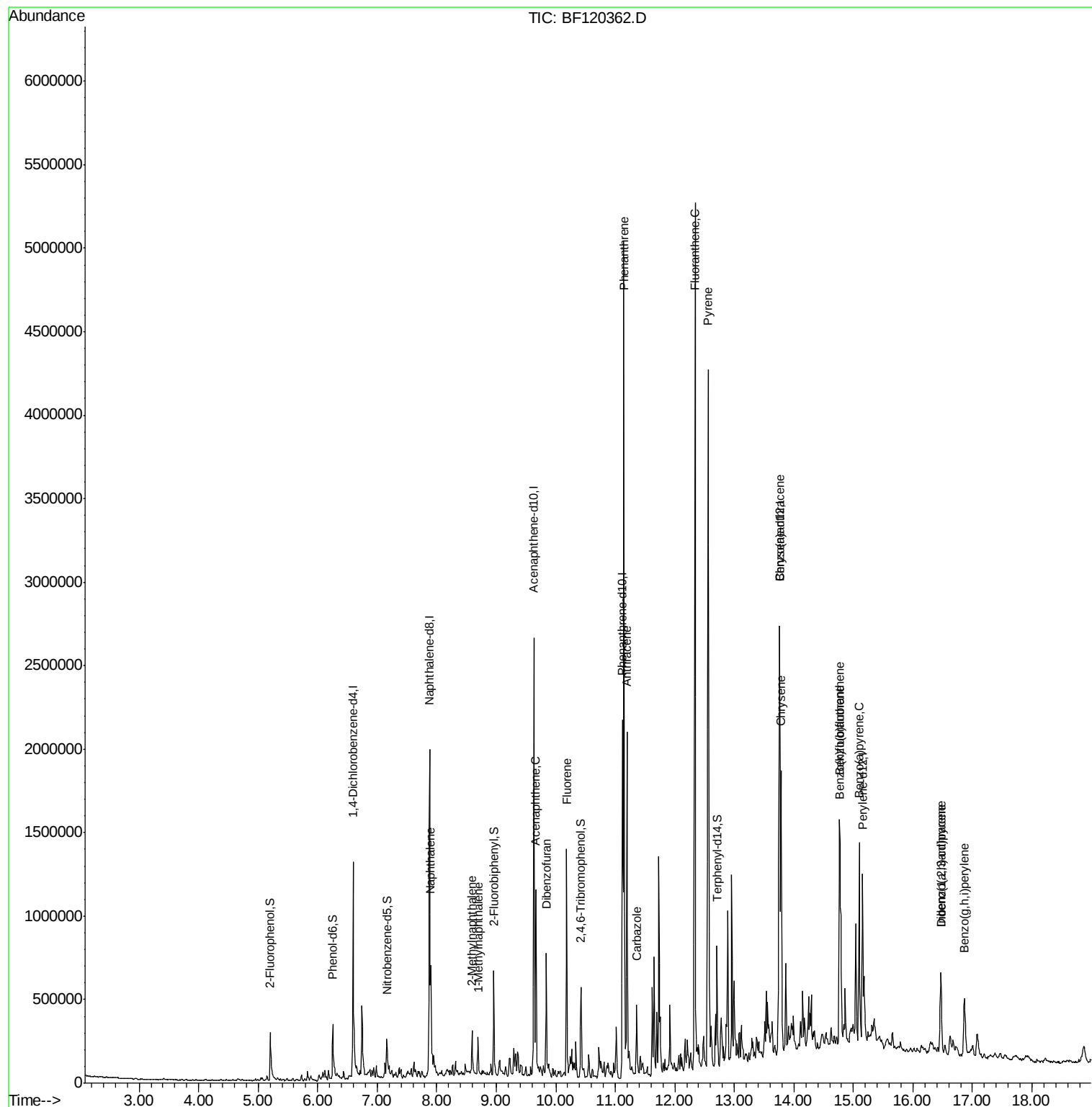
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051920\
Data File : BF120362.D
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ALS Vial : 6 Sample Multiplier: 1

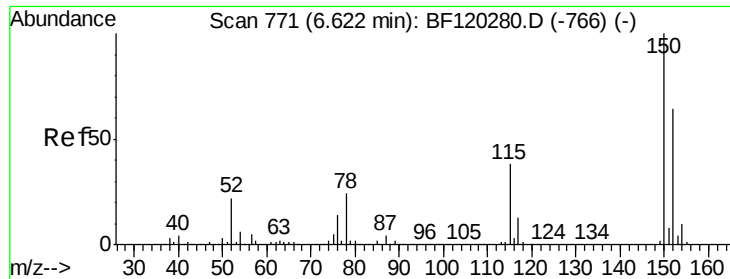
Instrument :
BNA_F
ClientSampleId :
PS-STOCK-4DL

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Quant Time: May 19 15:07:43 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 19 13:17:29 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF120362.D

Acq: 19 May 2020 14:27

Instrument :

BNA_F

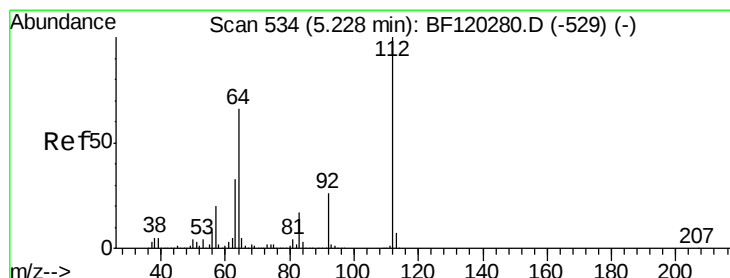
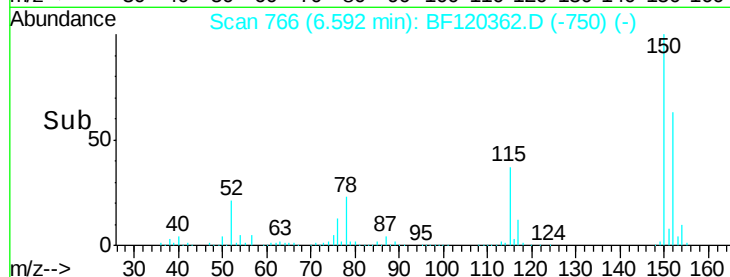
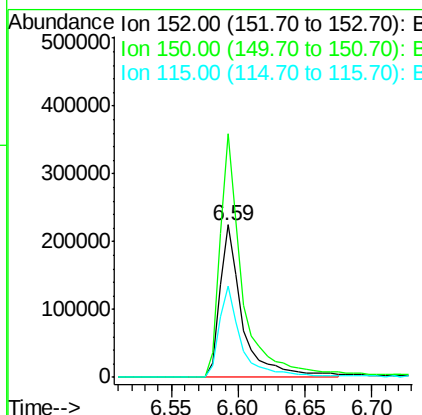
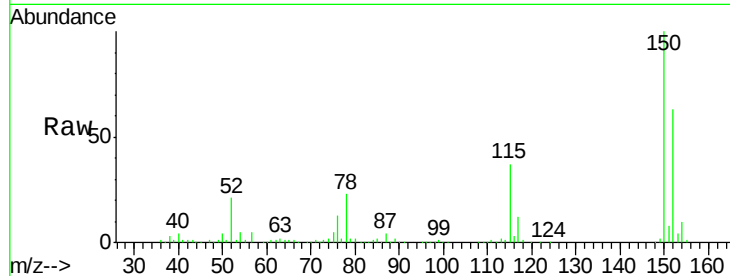
ClientSampleId :

PS-STOCK-4DL

Tgt Ion:	152	Resp:	272183
Ion Ratio	Lower	Upper	
152	100		
150	159.6	126.2	189.2
115	59.6	47.9	71.9

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#5

2-Fluorophenol

Concen: 9.12 ng

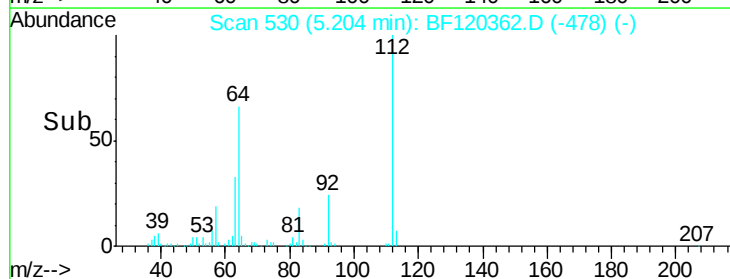
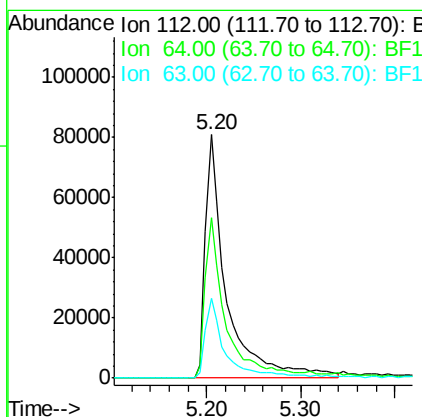
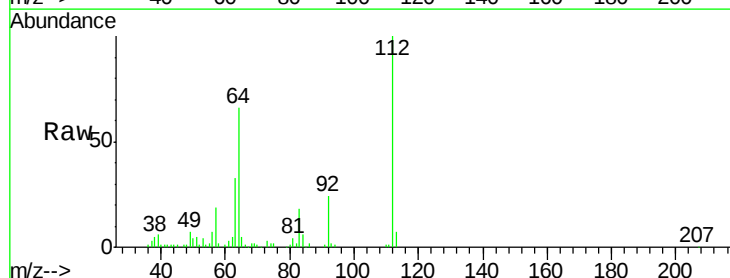
RT: 5.20 min Scan# 530

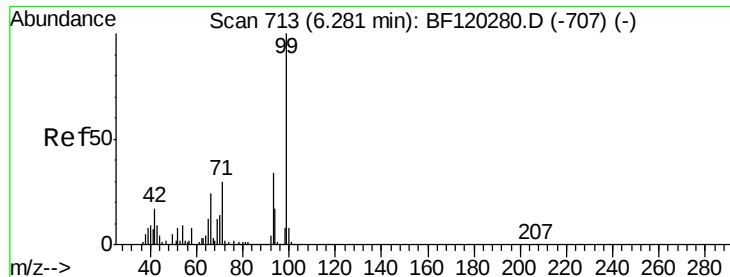
Delta R.T. 0.01 min

Lab File: BF120362.D

Acq: 19 May 2020 14:27

Tgt Ion:	112	Resp:	127626
Ion Ratio	Lower	Upper	
112	100		
64	65.9	52.7	79.1
63	32.5	26.2	39.4





#7

Phenol-d6

Concen: 11.86 ng

RT: 6.25 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF120362.D

Acq: 19 May 2020 14:27

Instrument :

BNA_F

ClientSampleId :

PS-STOCK-4DL

Tgt Ion: 99 Resp: 209875

Ion Ratio Lower Upper

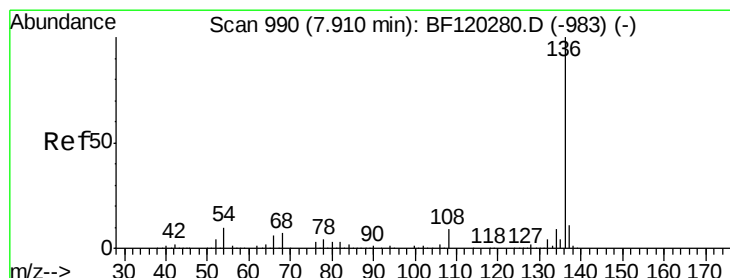
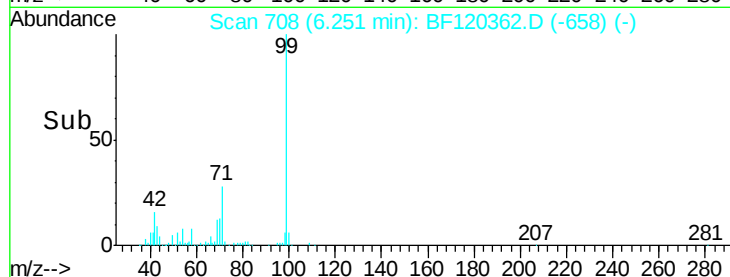
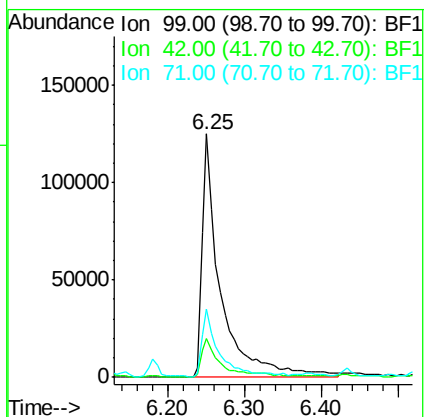
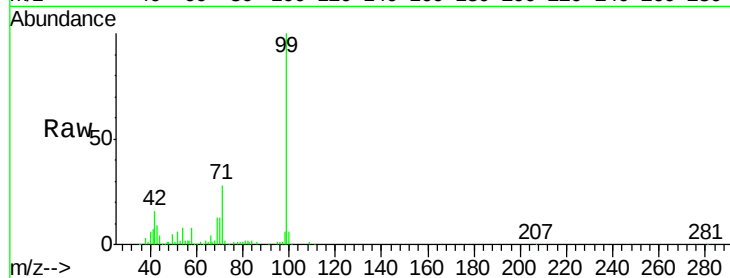
99 100

42 16.2 13.6 20.4

71 28.0 24.2 36.4

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.88 min Scan# 985

Delta R.T. -0.01 min

Lab File: BF120362.D

Acq: 19 May 2020 14:27

Tgt Ion: 136 Resp: 975017

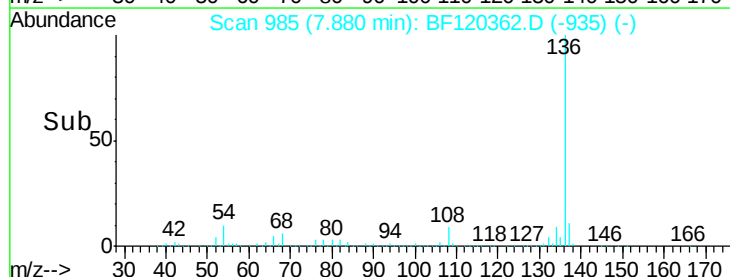
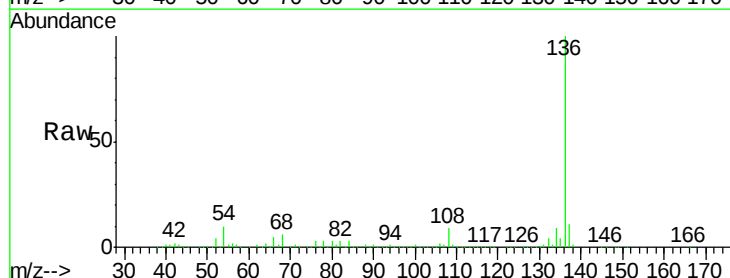
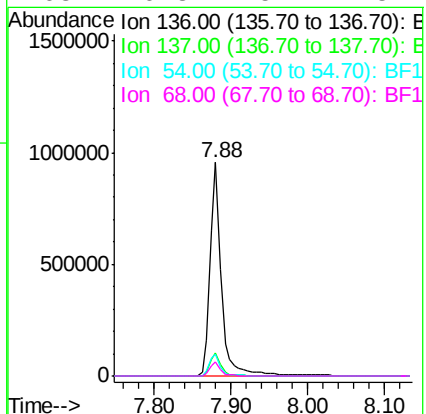
Ion Ratio Lower Upper

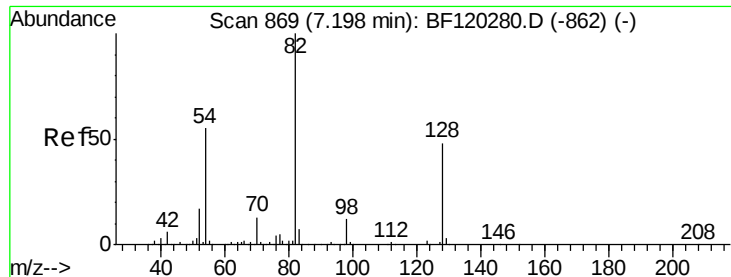
136 100

137 11.0 9.1 13.7

54 10.1 7.9 11.9

68 6.3 5.4 8.2





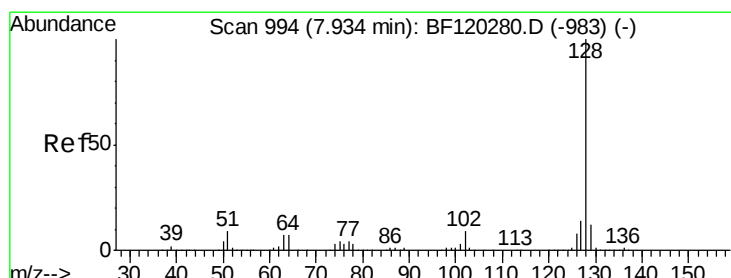
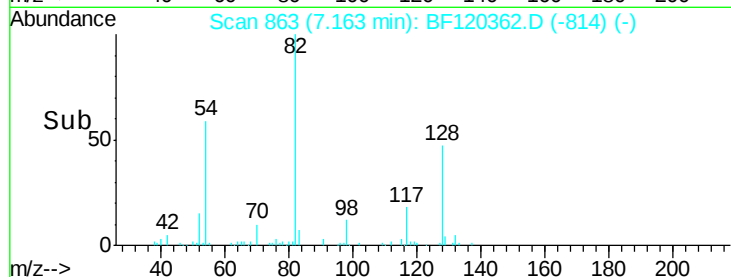
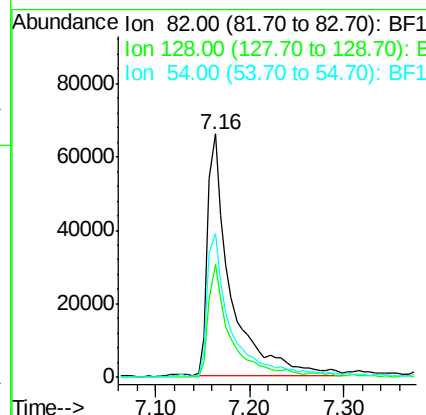
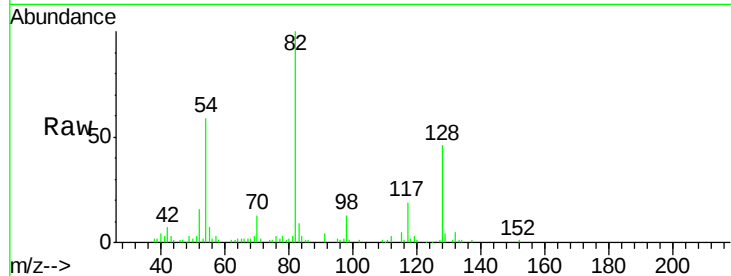
#23
Nitrobenzene-d5
Concen: 7.92 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF120362.D
Acq: 19 May 2020 14:27

Instrument :
BNA_F
ClientSampleId :
PS-STOCK-4DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.4	38.3	57.5
54	59.0	43.9	65.9

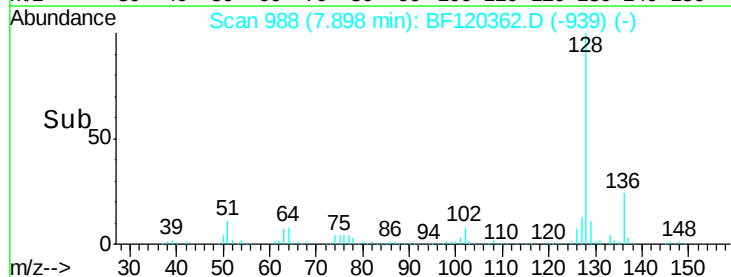
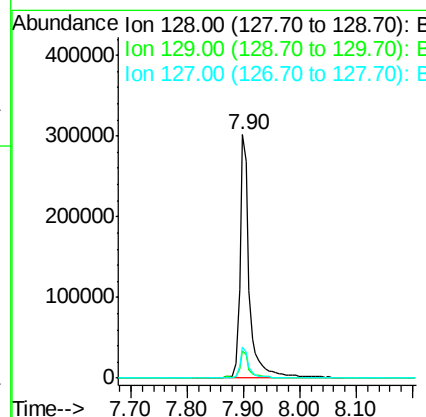
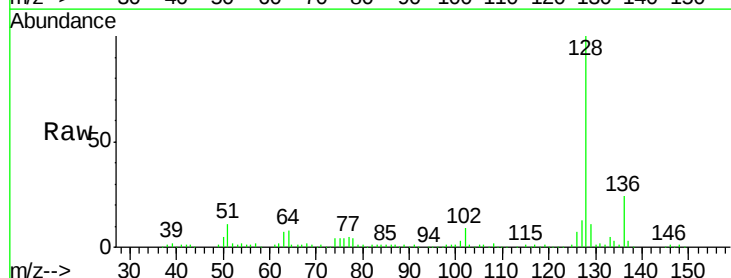
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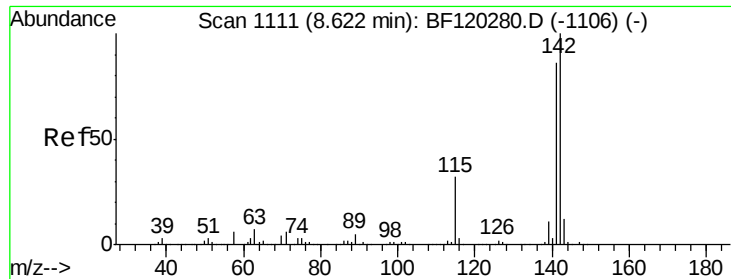
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#31
Naphthalene
Concen: 8.70 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.01 min
Lab File: BF120362.D
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	12.8	11.2	16.8





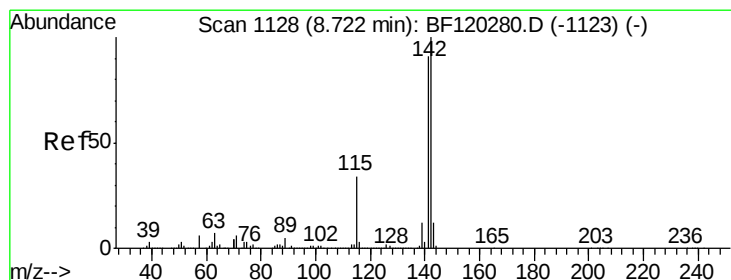
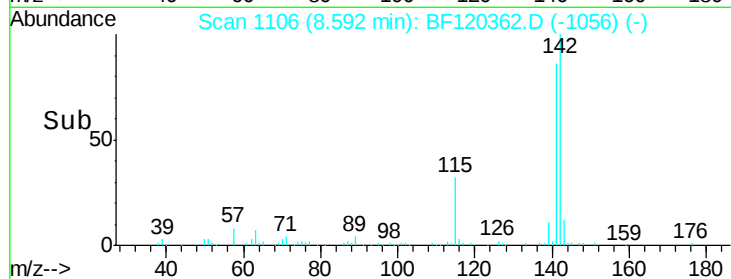
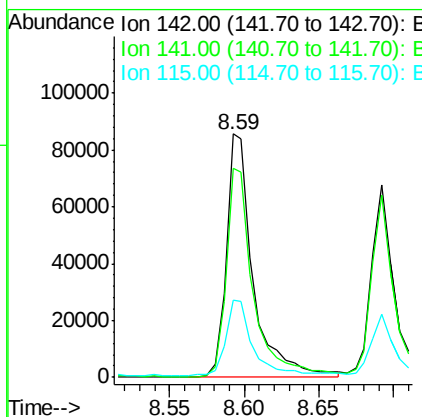
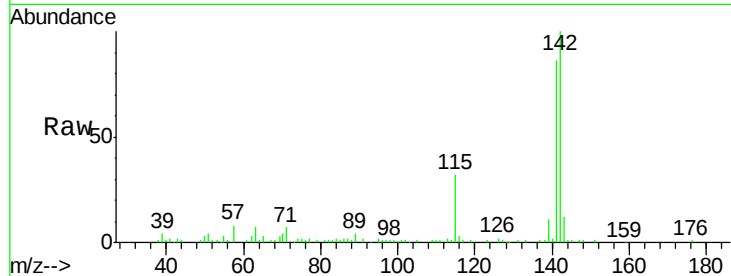
#37
2-Methylnaphthalene
Concen: 3.87 ng
RT: 8.59 min Scan# 1106
Delta R.T. -0.01 min
Lab File: BF120362.D
Acq: 19 May 2020 14:27

Instrument :
BNA_F
ClientSampleId :
PS-STOCK-4DL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	108988		
141	85.9	68.8	103.2	
115	31.8	25.7	38.5	

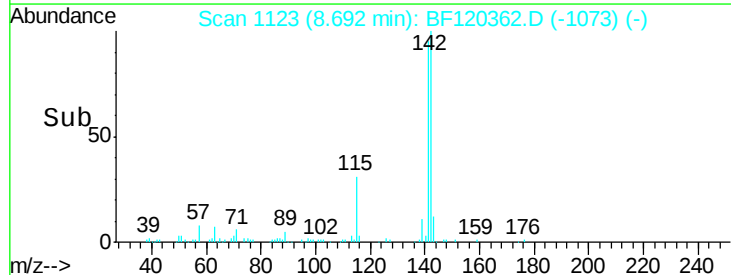
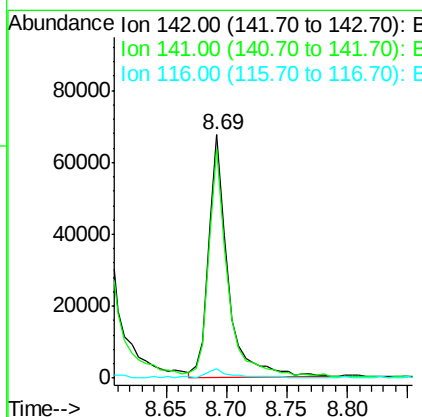
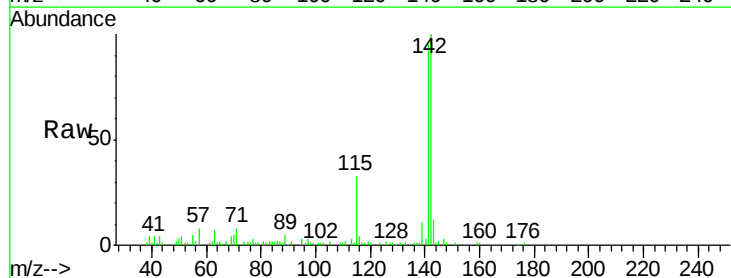
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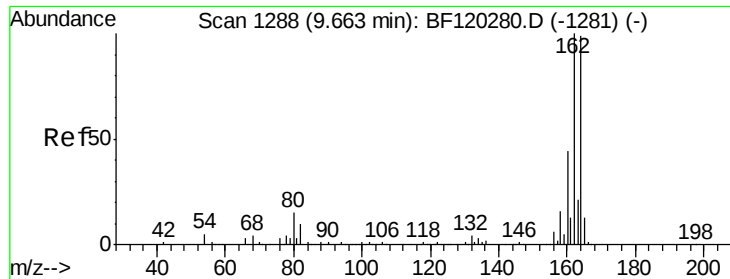
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#38
1-Methylnaphthalene
Concen: 2.70 ng
RT: 8.69 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF120362.D
Acq: 19 May 2020 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	73820		
141	94.5	73.0	109.6	
116	3.8	2.7	4.1	





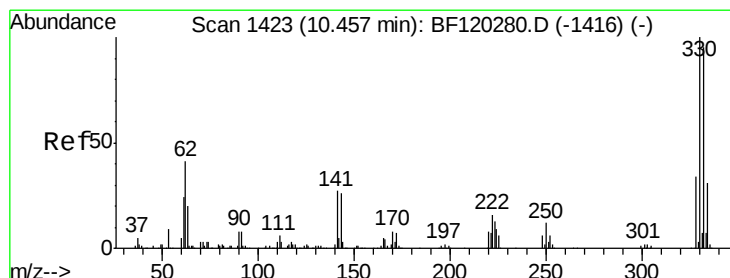
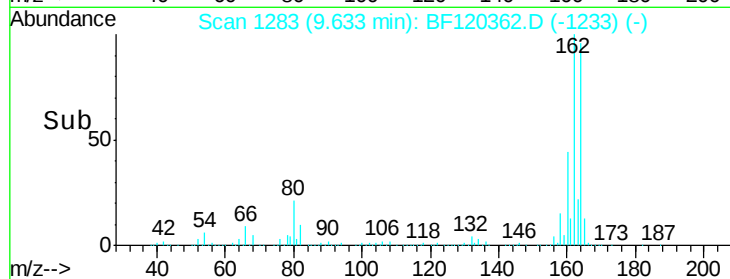
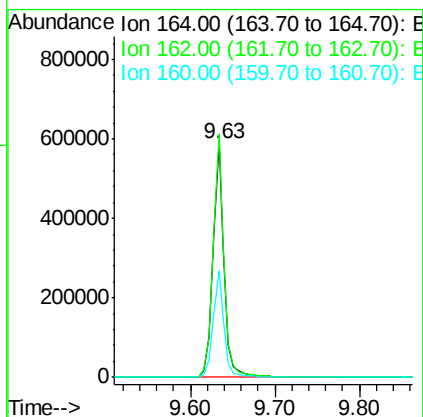
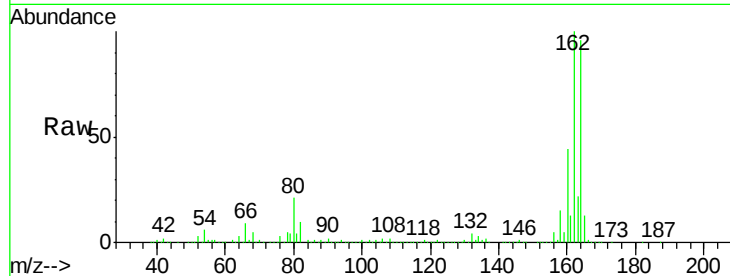
#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BF120362.D
 Acq: 19 May 2020 14:27

Instrument :
 BNA_F
 ClientSampleId :
 PS-STOCK-4DL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	562527		
162	103.9	81.2	121.8	
160	45.4	35.8	53.6	

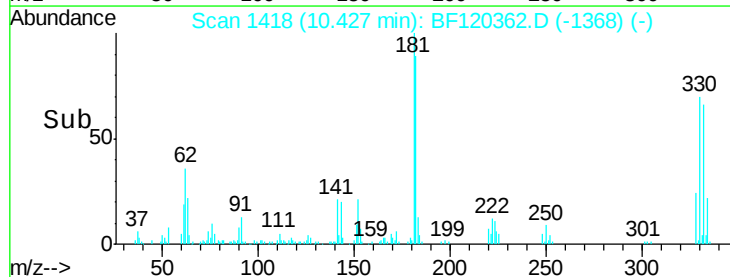
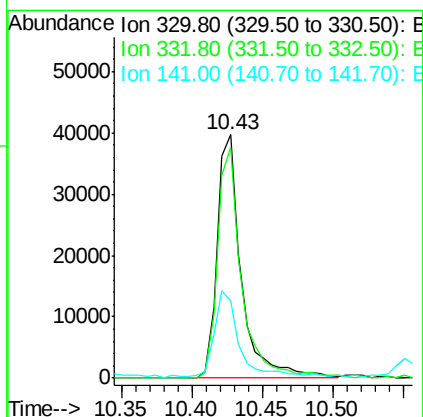
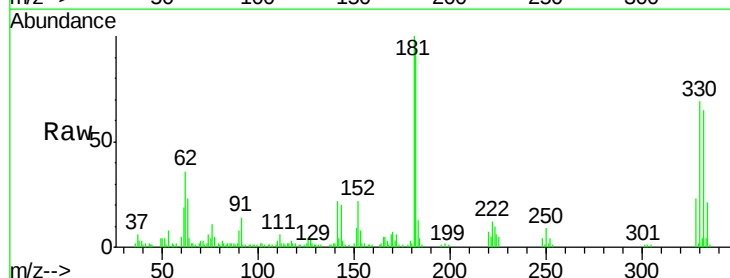
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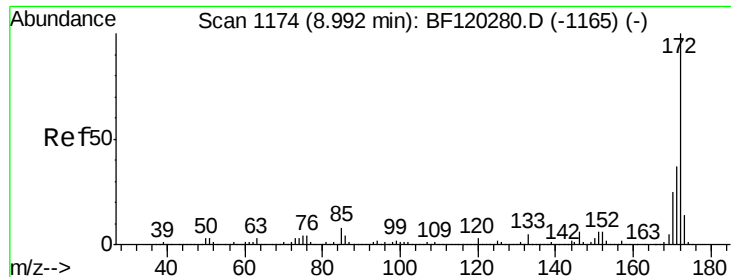
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#42
 2,4,6-Tribromophenol
 Concen: 10.32 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF120362.D
 Acq: 19 May 2020 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	47356		
332	94.4	76.5	114.7	
141	39.0	25.4	38.0#	





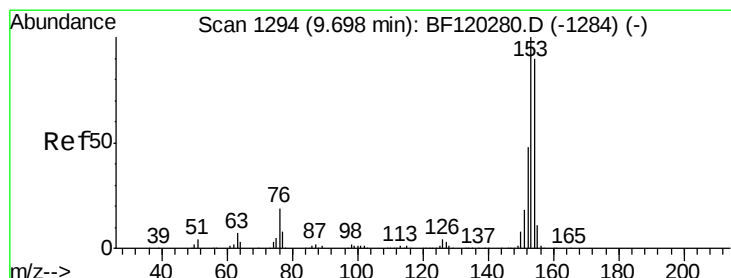
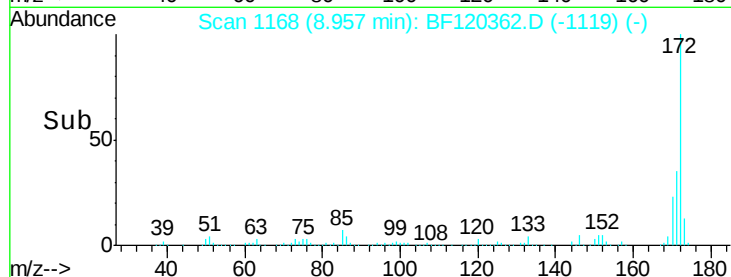
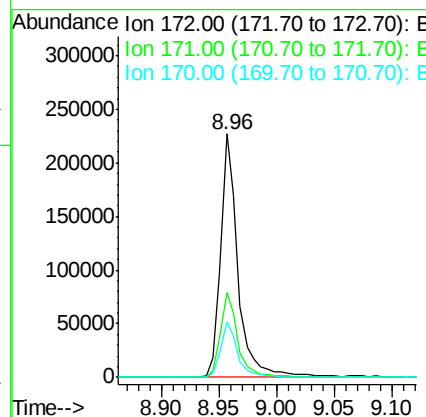
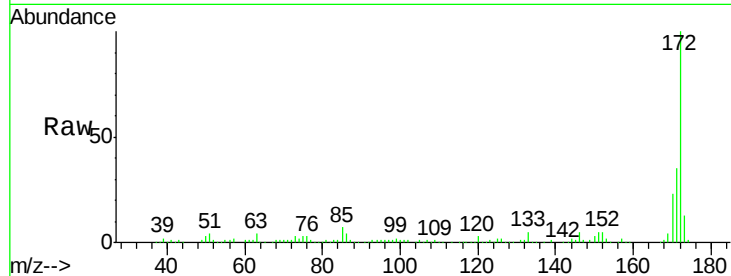
#45
2-Fluorobiphenyl
Concen: 8.62 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF120362.D
Acq: 19 May 2020 14:27

Instrument :
BNA_F
ClientSampleId :
PS-STOCK-4DL

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	235893		
171	34.7	29.7	44.5	
170	22.6	19.9	29.9	

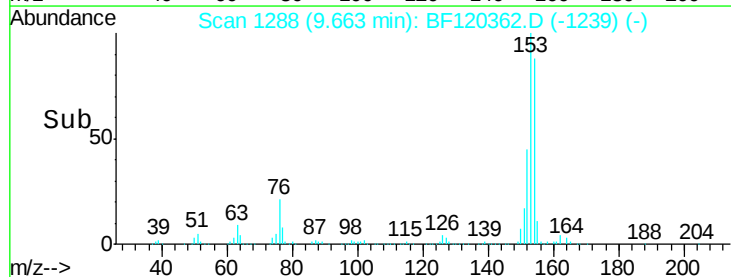
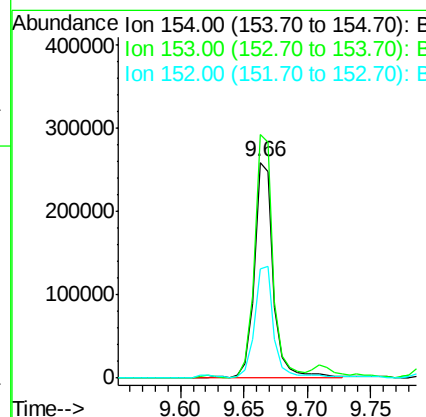
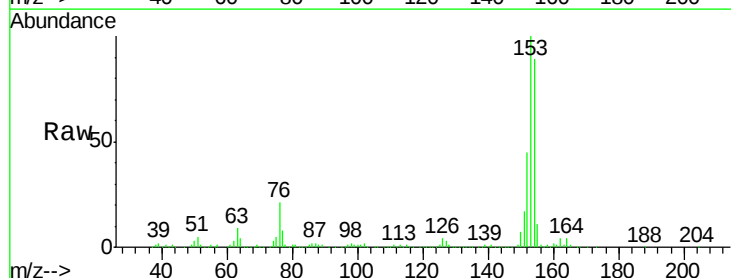
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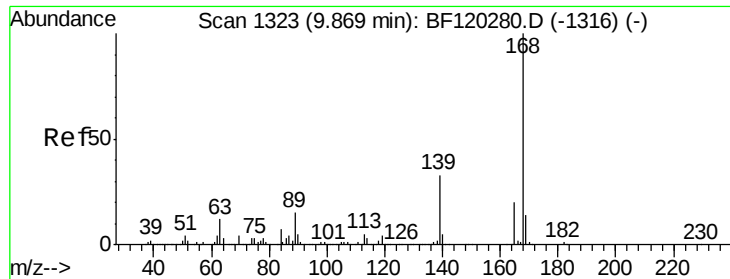
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#52
Acenaphthene
Concen: 10.07 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF120362.D
Acq: 19 May 2020 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	272501		
153	112.9	89.0	133.4	
152	50.9	42.6	64.0	





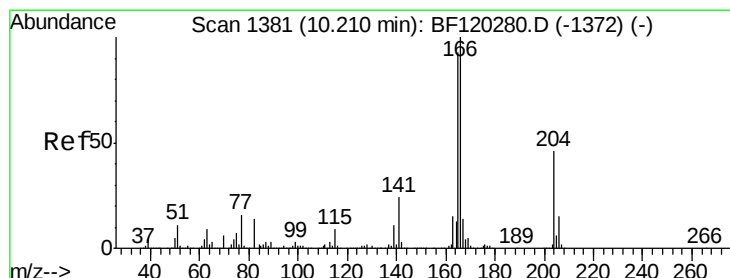
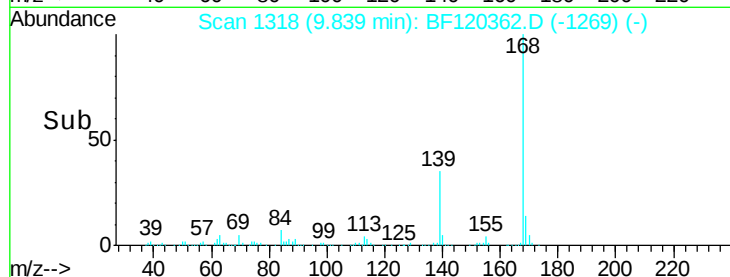
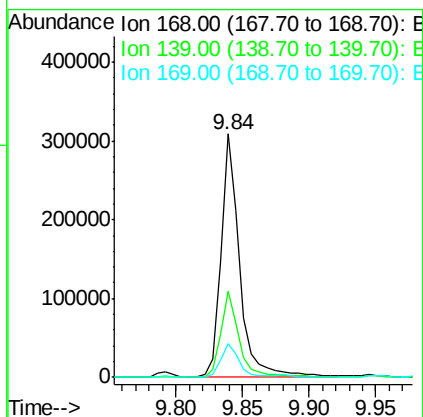
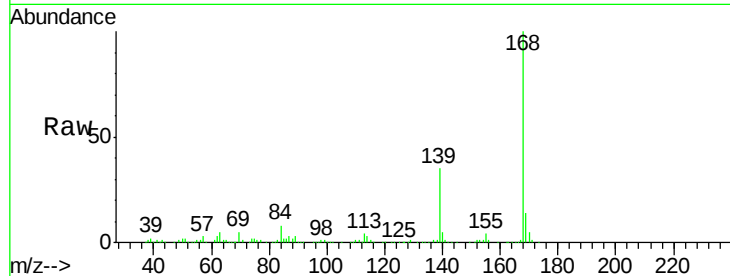
#55
Dibenzenofuran
Concen: 7.72 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF120362.D
Acq: 19 May 2020 14:27

Instrument :
BNA_F
ClientSampleId :
PS-STOCK-4DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
168	100		
139	35.4	29.8	44.6
169	14.0	11.0	16.6

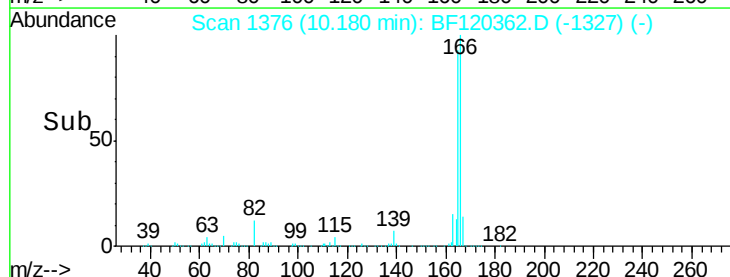
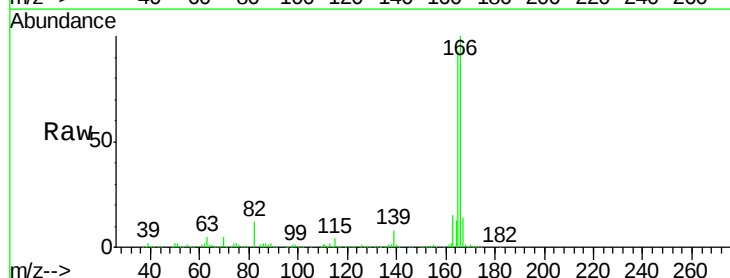
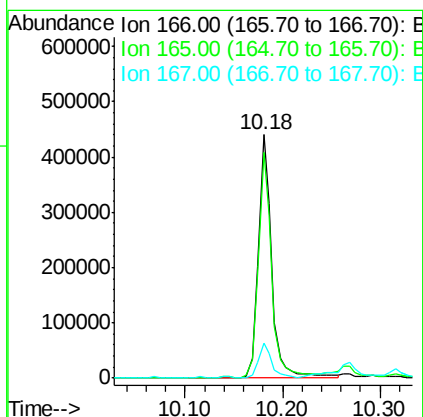
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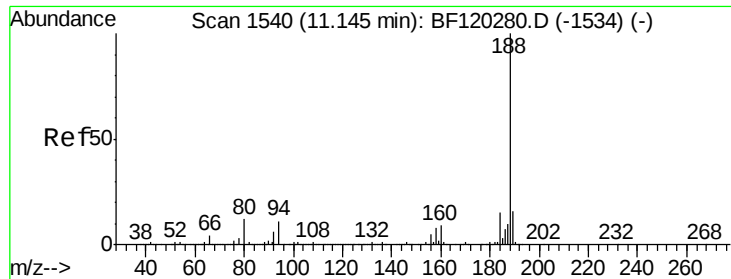
mohammad
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#58
Fluorene
Concen: 14.57 ng
RT: 10.18 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BF120362.D
Acq: 19 May 2020 14:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	92.9	74.7	112.1
167	14.2	11.4	17.0





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.12 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BF120362.D

Acq: 19 May 2020 14:27

Instrument :

BNA_F

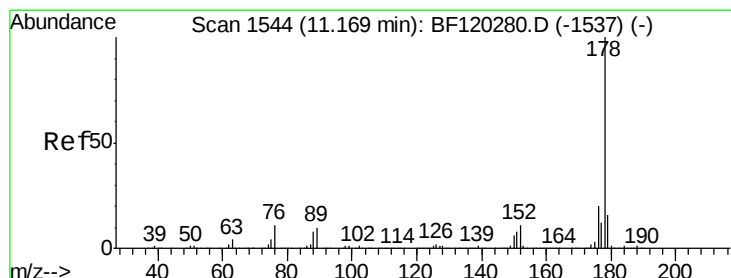
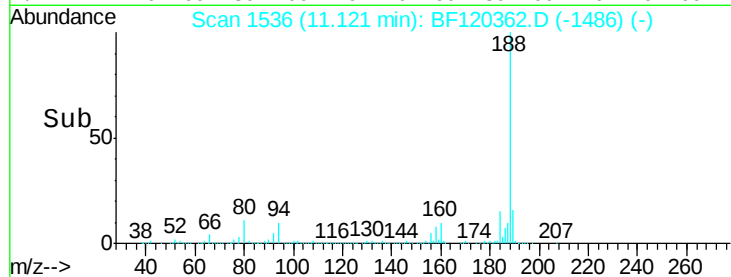
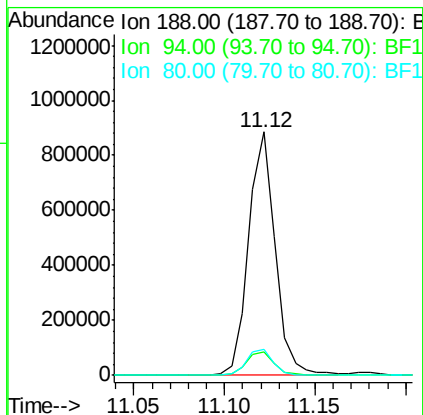
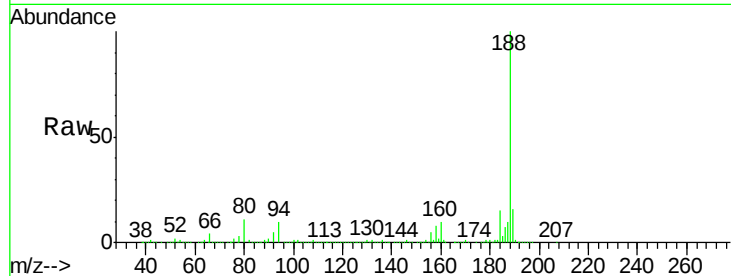
ClientSampleId :

PS-STOCK-4DL

Tgt Ion:	188	Resp:	900598
Ion Ratio	Lower	Upper	
188	100		
94	9.9	8.6	13.0
80	10.5	9.2	13.8

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#71

Phenanthrene

Concen: 56.97 ng

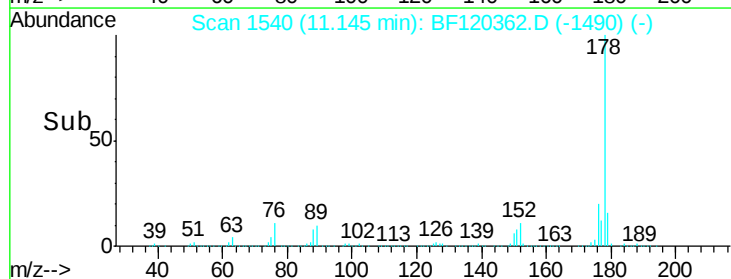
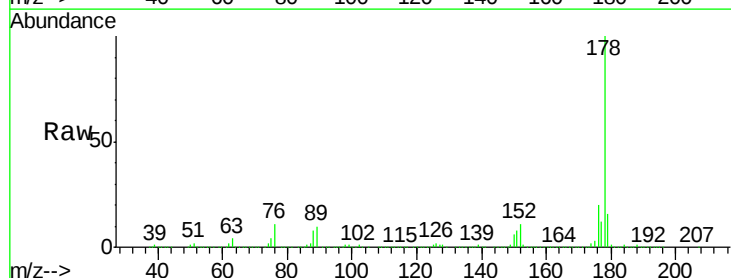
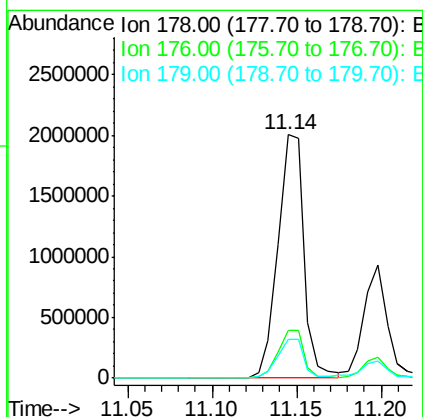
RT: 11.14 min Scan# 1540

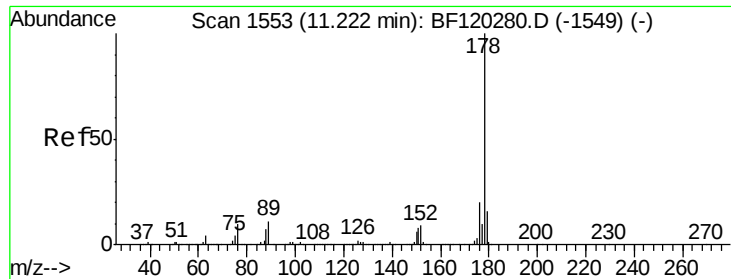
Delta R.T. -0.01 min

Lab File: BF120362.D

Acq: 19 May 2020 14:27

Tgt Ion:	178	Resp:	2155749
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.8	23.8
179	16.1	12.8	19.2





#72

Anthracene

Concen: 23.45 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF120362.D

Acq: 19 May 2020 14:27

Instrument :

BNA_F

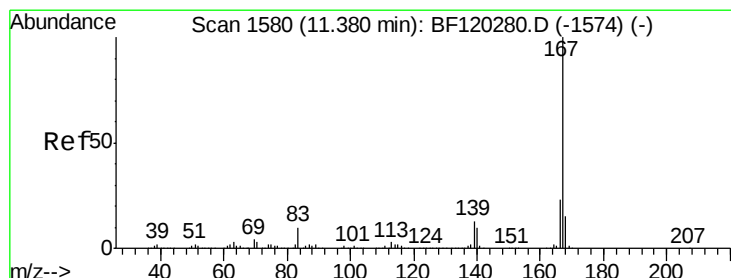
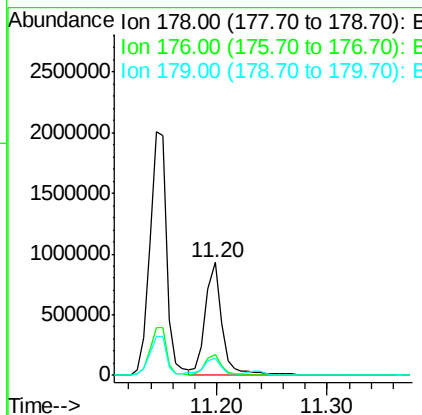
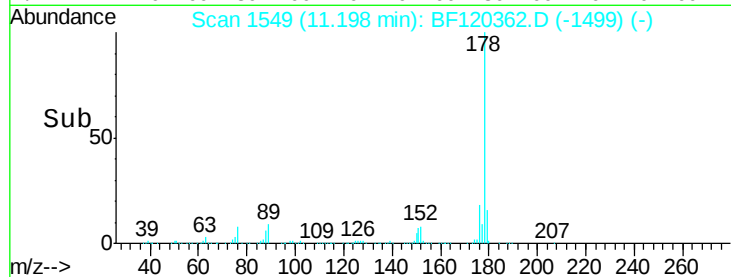
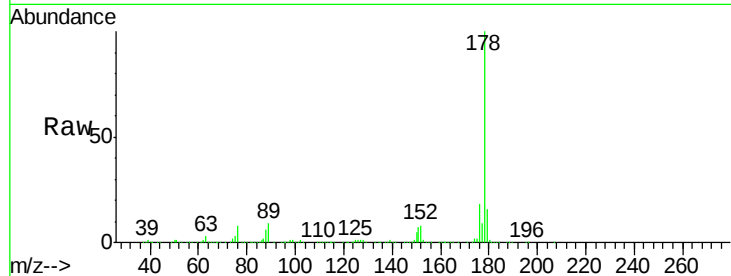
ClientSampleId :

PS-STOCK-4DL

Tgt Ion:	178	Resp:	949906
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.7	23.5
179	15.6	13.0	19.6

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#73

Carbazole

Concen: 5.07 ng

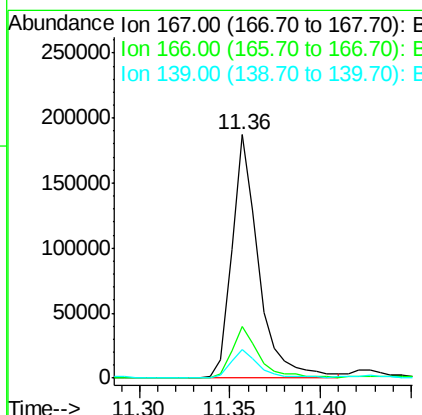
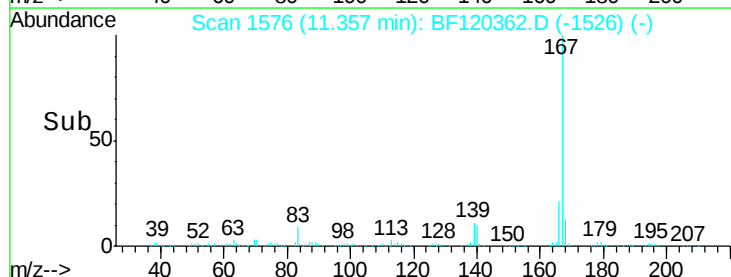
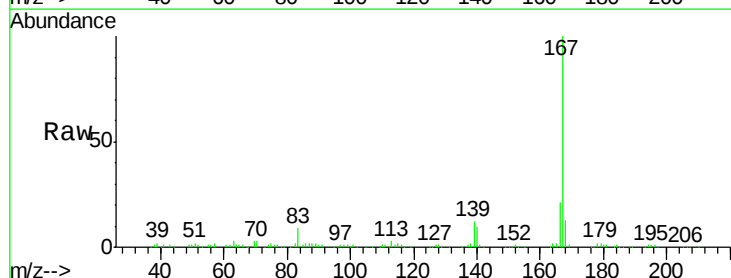
RT: 11.36 min Scan# 1576

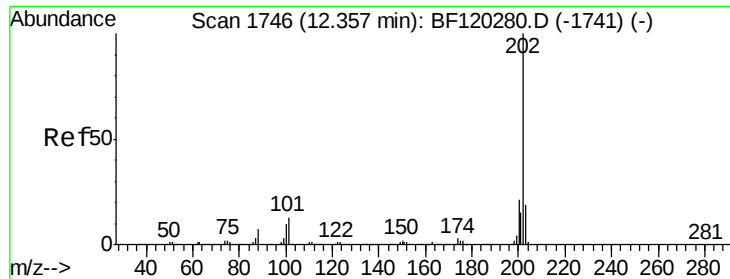
Delta R.T. -0.01 min

Lab File: BF120362.D

Acq: 19 May 2020 14:27

Tgt Ion:	167	Resp:	192041
Ion Ratio	Lower	Upper	
167	100		
166	21.4	18.1	27.1
139	11.7	10.6	15.8





#75

Fluoranthene

Concen: 60.94 ng

RT: 12.34 min Scan# 1743

Delta R.T. -0.00 min

Lab File: BF120362.D

Acq: 19 May 2020 14:27

Instrument :

BNA_F

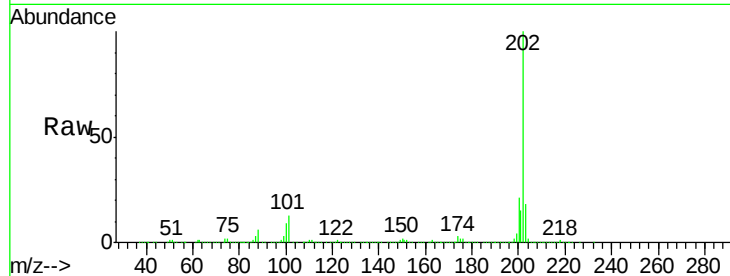
ClientSampleId :

PS-STOCK-4DL

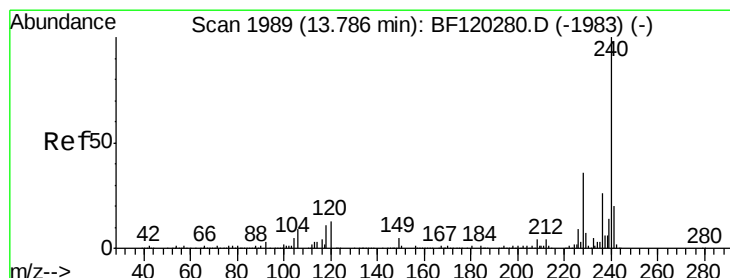
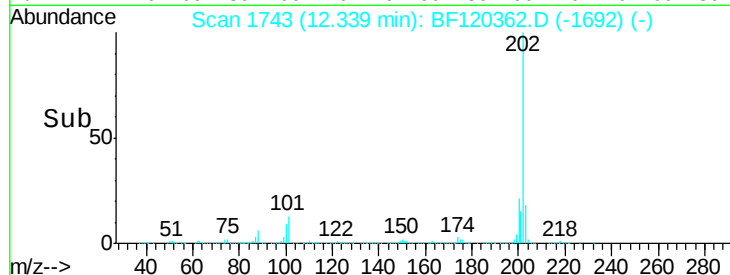
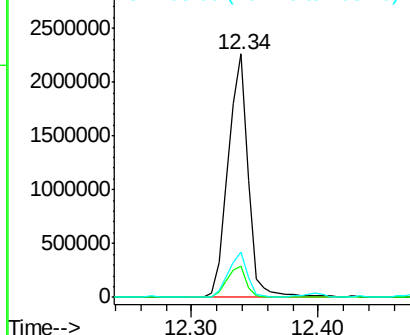
Tgt Ion:	202	Resp:	2471645
Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	33.2
203	18.4	0.0	39.1

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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: 20.00 ng

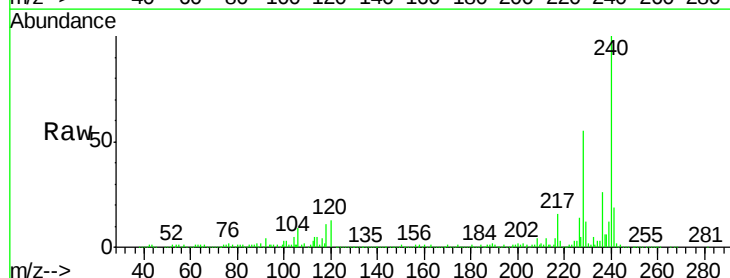
RT: 13.76 min Scan# 1985

Delta R.T. -0.01 min

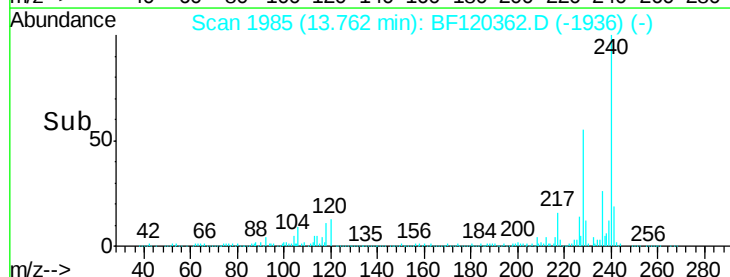
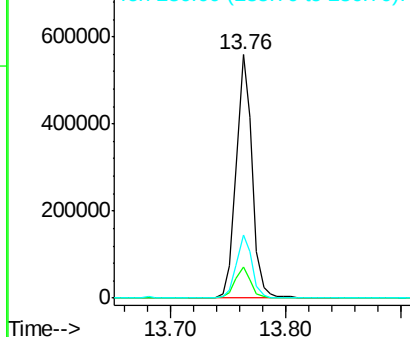
Lab File: BF120362.D

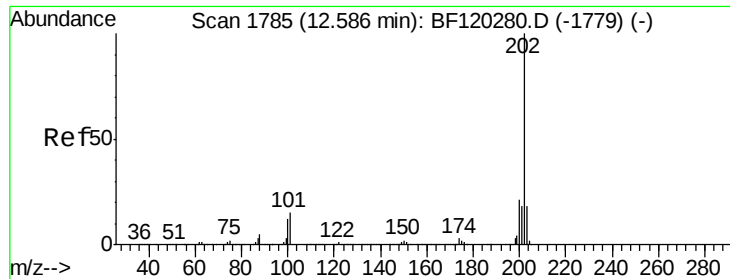
Acq: 19 May 2020 14:27

Tgt Ion:	240	Resp:	533018
Ion	Ratio	Lower	Upper
240	100		
120	12.9	10.4	15.6
236	26.0	21.0	31.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





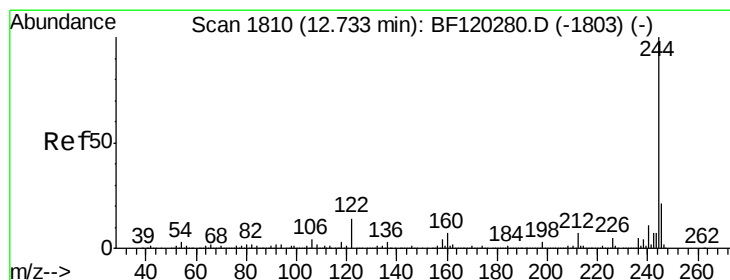
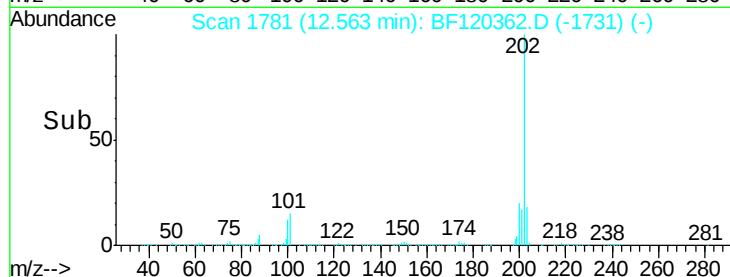
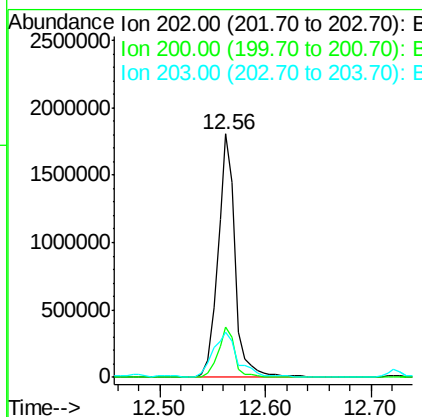
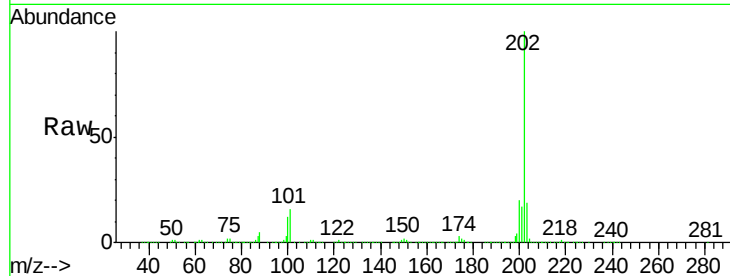
#78
Pyrene
Concen: 53.83 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.01 min
Lab File: BF120362.D
Acq: 19 May 2020 14:27

Instrument :
BNA_F
ClientSampleId :
PS-STOCK-4DL

Tgt Ion: 202 Resp: 2045594
Ion Ratio Lower Upper
202 100
200 20.5 16.6 25.0
203 18.7 14.6 22.0

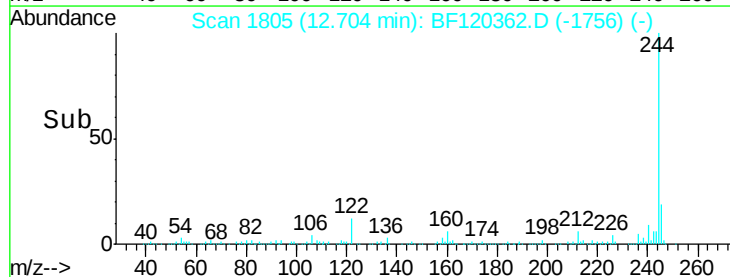
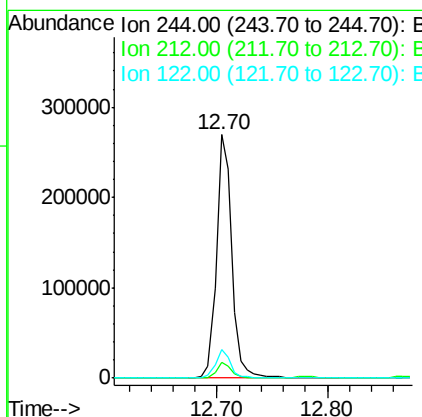
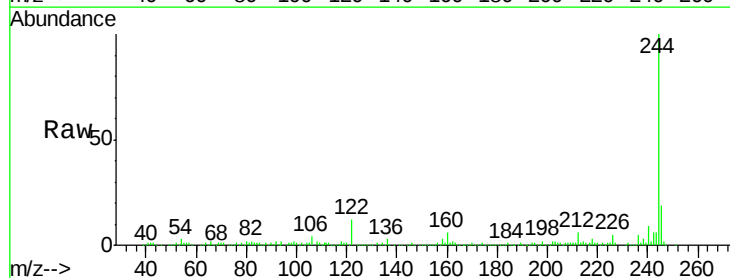
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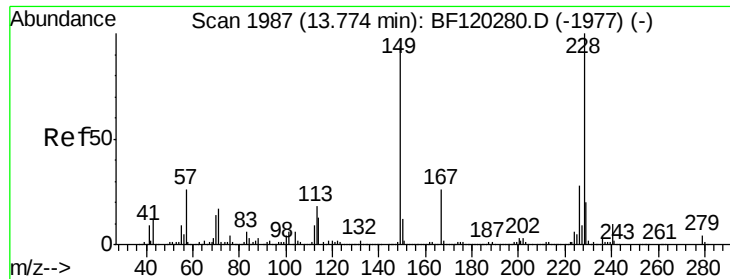
mohammad
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#79
Terphenyl-d14
Concen: 10.75 ng
RT: 12.70 min Scan# 1805
Delta R.T. -0.01 min
Lab File: BF120362.D
Acq: 19 May 2020 14:27

Tgt Ion: 244 Resp: 259263
Ion Ratio Lower Upper
244 100
212 6.3 5.8 8.6
122 11.6 10.8 16.2





#81

Benzo(a)anthracene

Concen: 31.18 ng

RT: 13.75 min Scan# 1983

Delta R.T. -0.01 min

Lab File: BF120362.D

Acq: 19 May 2020 14:27

Instrument :

BNA_F

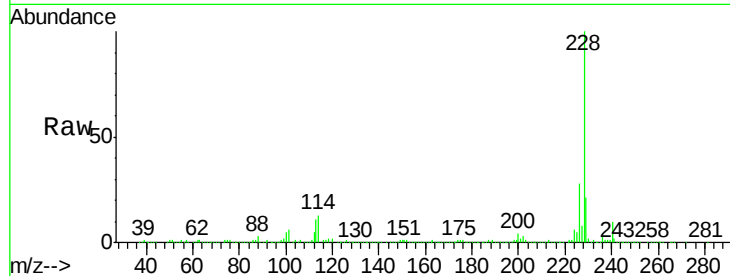
ClientSampleId :

PS-STOCK-4DL

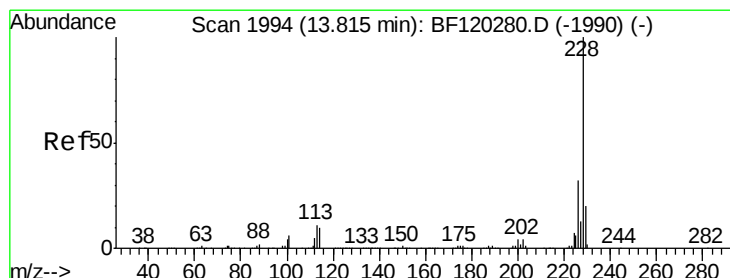
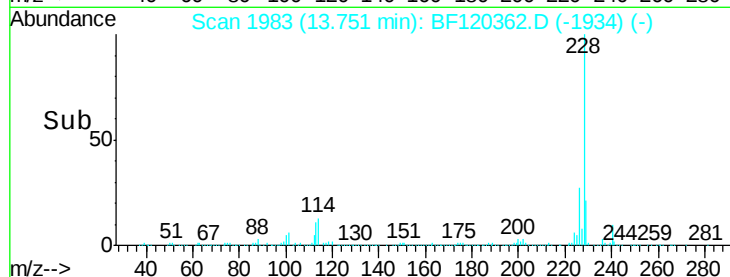
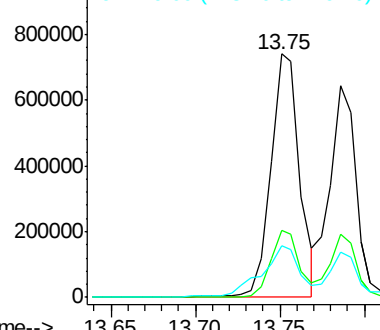
Tgt Ion:	228	Resp:	876501
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.6	33.8
229	21.3	16.4	24.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 23.08 ng

RT: 13.79 min Scan# 1989

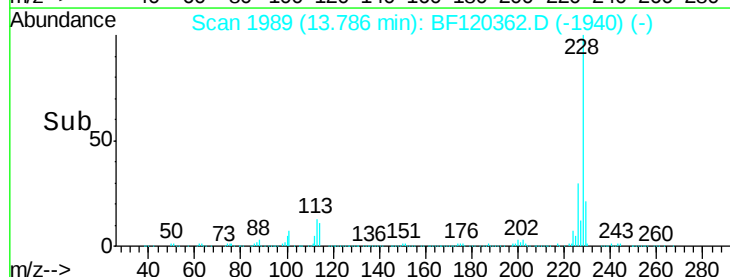
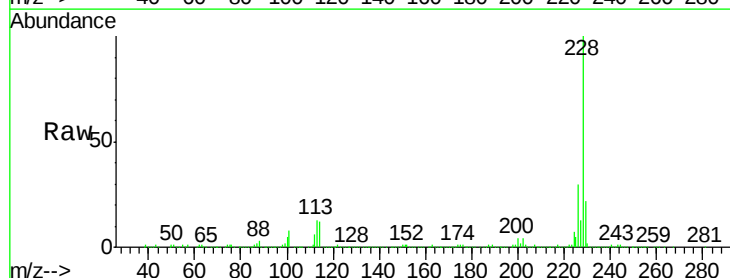
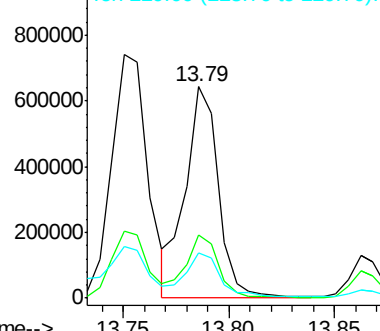
Delta R.T. -0.01 min

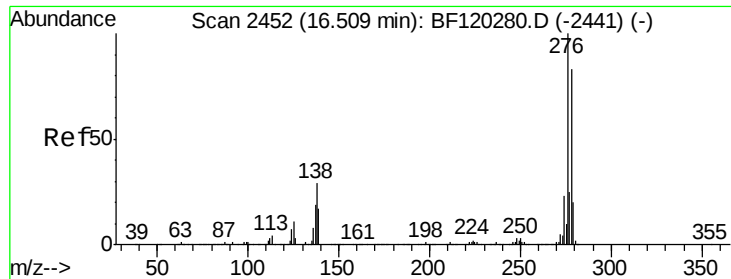
Lab File: BF120362.D

Acq: 19 May 2020 14:27

Tgt Ion:	228	Resp:	696667
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.0	37.6
229	21.6	16.2	24.4

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





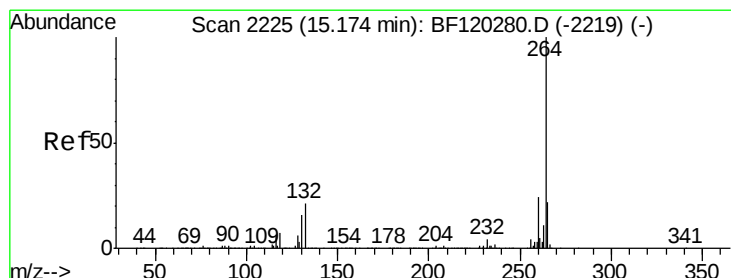
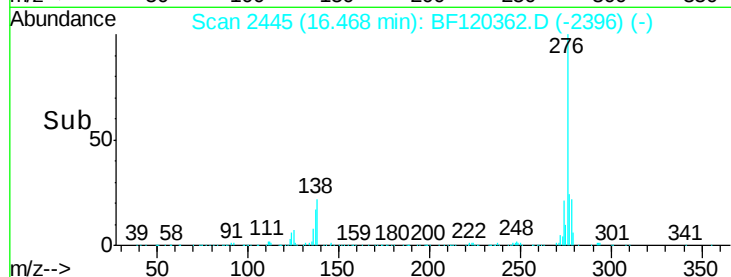
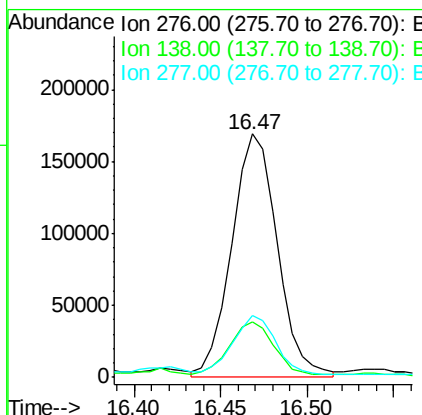
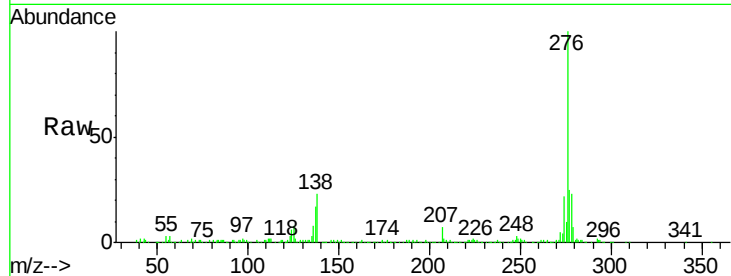
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 11.35 ng m
 RT: 16.47 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BF120362.D
 Acq: 19 May 2020 14:27

Instrument :
 BNA_F
 ClientSampleId :
 PS-STOCK-4DL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	310971		
138	1.6	23.3	34.9#	
277	1.5	20.2	30.4#	

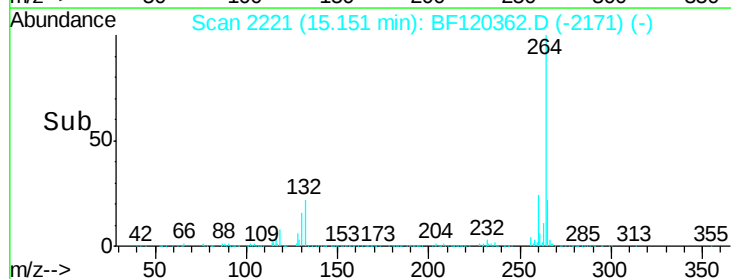
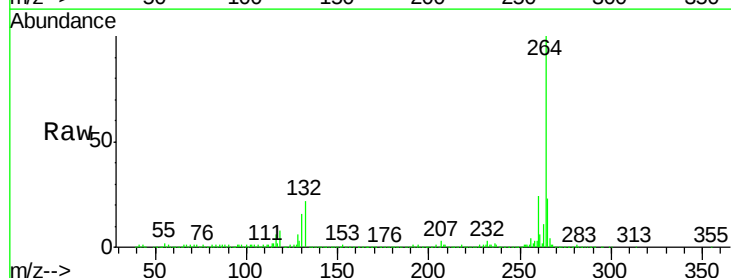
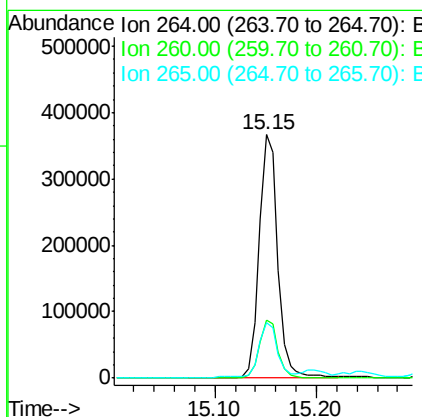
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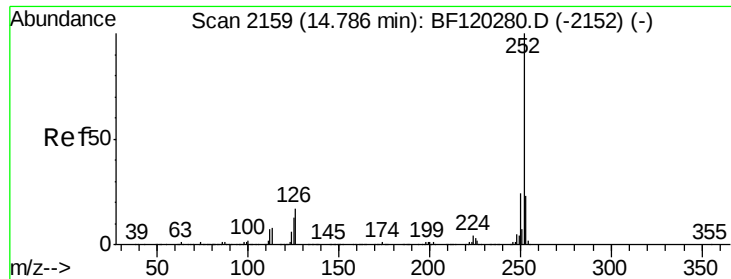
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#87
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.15 min Scan# 2221
 Delta R.T. -0.01 min
 Lab File: BF120362.D
 Acq: 19 May 2020 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	465772		
260	23.8	19.0	28.6	
265	22.7	17.5	26.3	





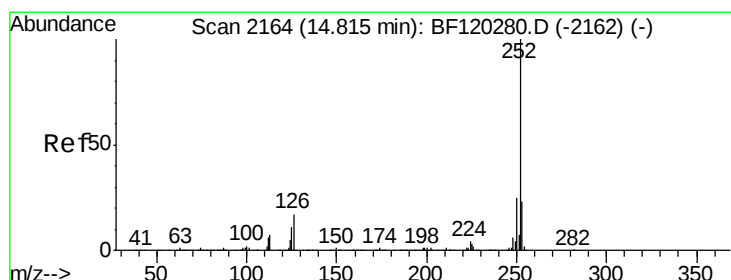
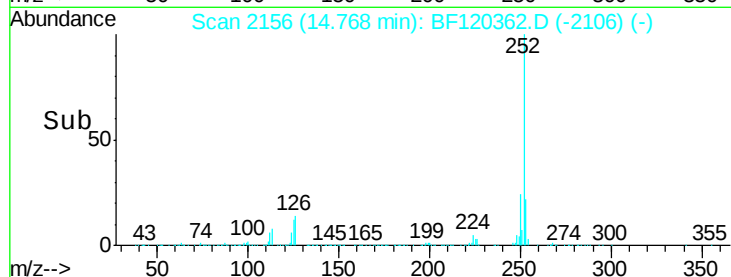
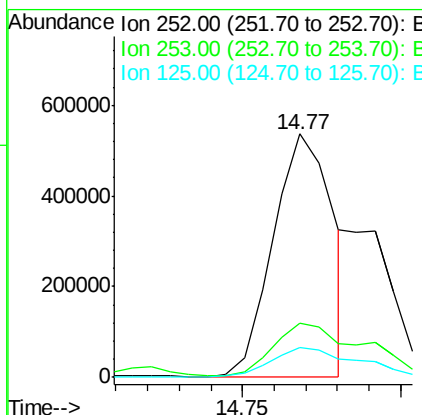
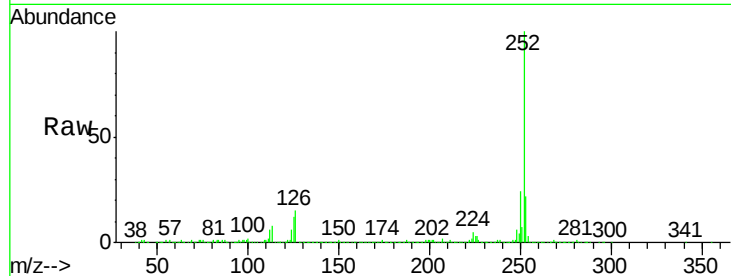
#88
Benzo(b)fluoranthene
Concen: 27.53 ng m
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF120362.D
Acq: 19 May 2020 14:27

Instrument :
BNA_F
ClientSampleId :
PS-STOCK-4DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	12.1	10.4	15.6

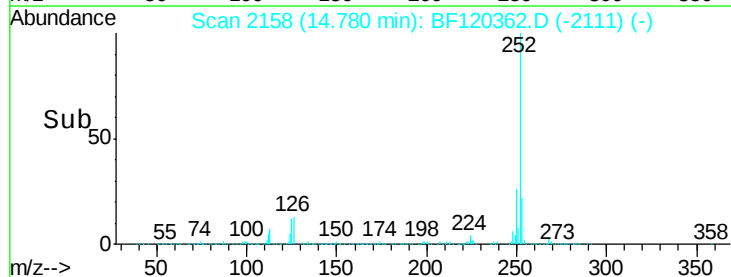
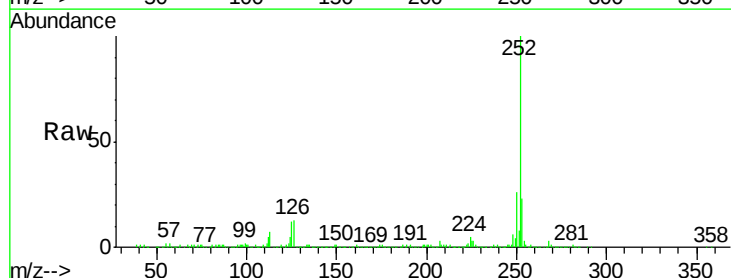
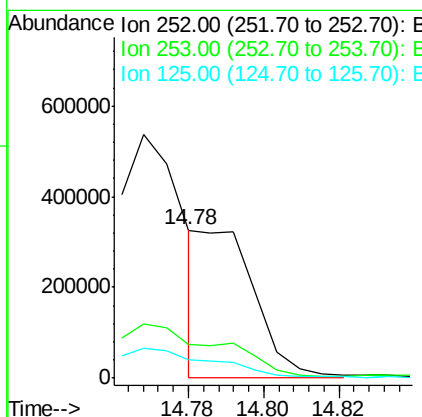
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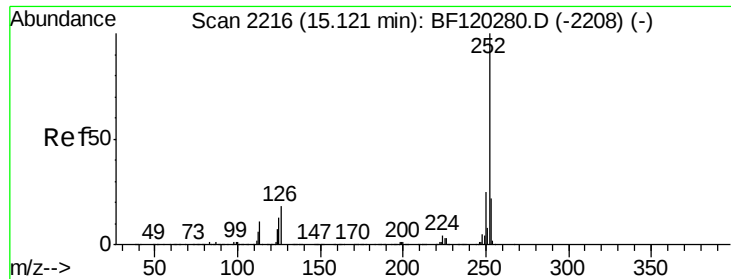
mohammad
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#89
Benzo(k)fluoranthene
Concen: 14.88 ng m
RT: 14.78 min Scan# 2158
Delta R.T. -0.02 min
Lab File: BF120362.D
Acq: 19 May 2020 14:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	12.5	9.9	14.9





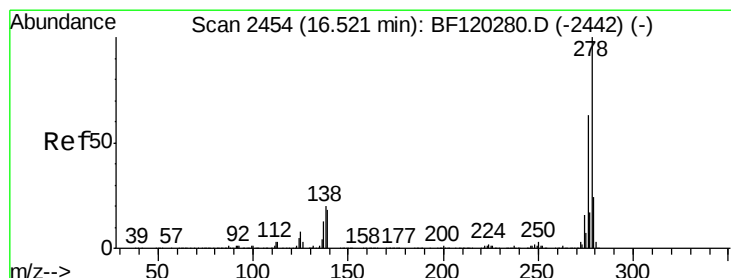
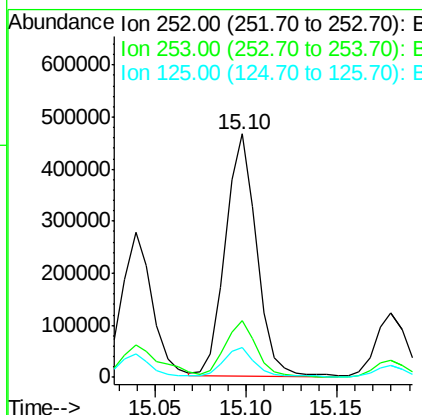
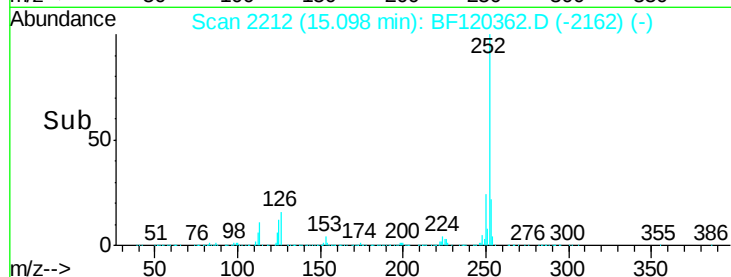
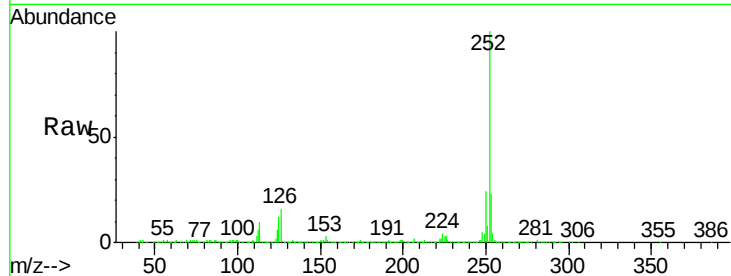
#90
Benzo(a)pyrene
Concen: 24.48 ng
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF120362.D
Acq: 19 May 2020 14:27

Instrument :
BNA_F
ClientSampleId :
PS-STOCK-4DL

Tgt Ion:	252	Resp:	558528
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.6	26.4
125	12.1	10.6	16.0

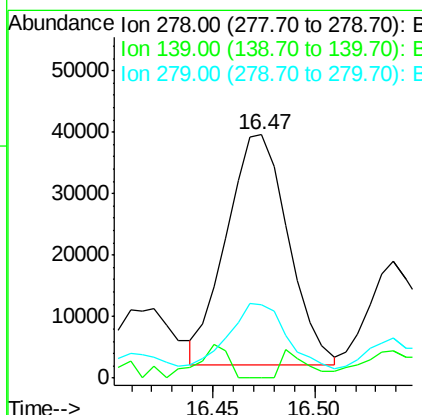
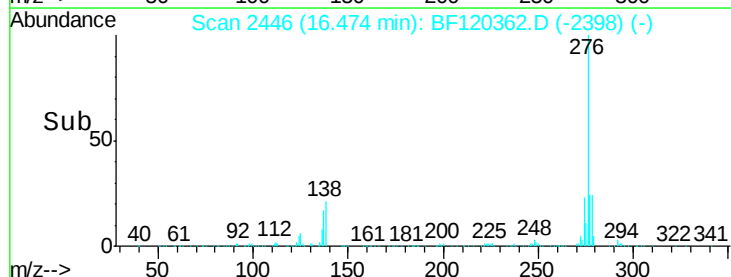
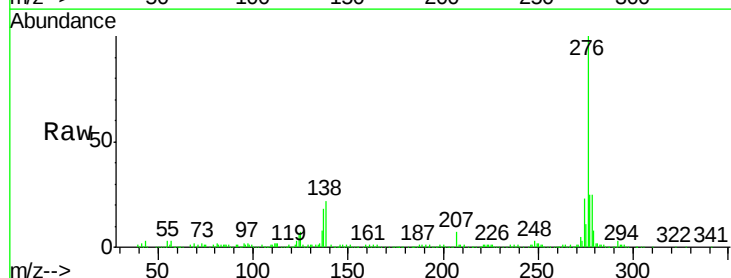
Manual Integrations
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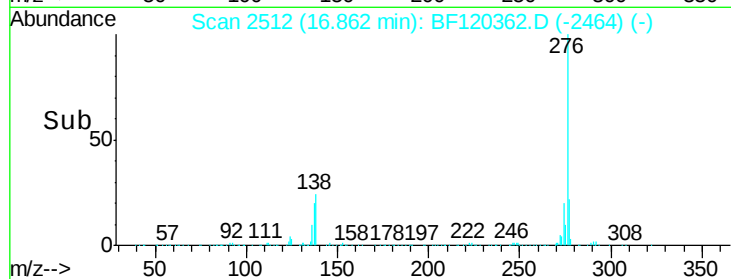
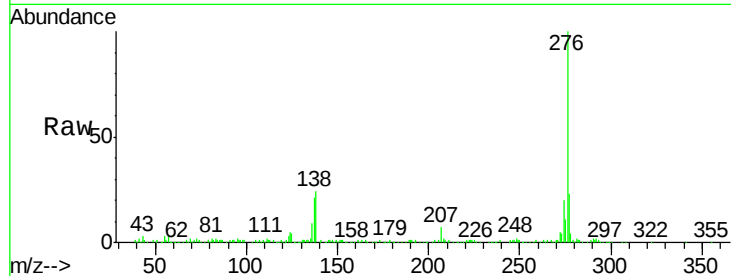
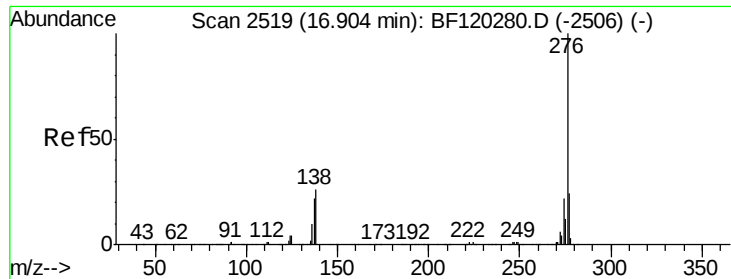
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 3.93 ng m
RT: 16.47 min Scan# 2446
Delta R.T. -0.02 min
Lab File: BF120362.D
Acq: 19 May 2020 14:27

Tgt Ion:	278	Resp:	79382
Ion Ratio	Lower	Upper	
278	100		
139	0.0	14.7	22.1#
279	30.1	19.2	28.8#





#92

Benzo(g,h,i)perylene

Concen: 13.88 ng

RT: 16.86 min Scan# 2512

Delta R.T. -0.02 min

Lab File: BF120362.D

Acq: 19 May 2020 14:27

Tgt Ion:	276	Resp:	282786
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.1	28.7
138	24.0	20.8	31.2

Instrument :

BNA_F

ClientSampleId :

PS-STOCK-4DL

Manual Integrations
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