

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
 Data File : BF121348.D
 Acq On : 20 Aug 2020 15:43
 Operator : JU/CG
 Sample : L3689-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
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mohammad
 8/21/2020 12:49:55 PM

Quant Time: Aug 20 16:39:46 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	148981	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	487640	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	194377	20.00	ng	0.01
64) Phenanthrene-d10	11.22	188	362887	20.00	ng	0.01
76) Chrysene-d12	13.85	240	344593	20.00	ng	0.00
86) Perylene-d12	15.27	264	379344	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	587245	64.63	ng	0.00
7) Phenol-d6	6.34	99	762610	65.75	ng	0.00
23) Nitrobenzene-d5	7.26	82	463880	53.80	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	158695	70.06	ng	0.01
45) 2-Fluorobiphenyl	9.06	172	749927	72.10	ng	0.00
79) Terphenyl-d14	12.80	244	697279	39.54	ng	0.00

Target Compounds				Qvalue		
13) 1,4-Dichlorobenzene	6.71	146	63620	5.924	ng	97
14) 1,2-Dichlorobenzene	6.86	146	125522	12.272	ng	98
31) Naphthalene	8.00	128	61225	2.523	ng	# 73
37) 2-Methylnaphthalene	8.70	142	271743	17.275	ng	99
38) 1-Methylnaphthalene	8.79	142	199221m	13.320	ng	
49) Acenaphthylene	9.60	152	78353	4.395	ng	# 62
50) Dimethylphthalate	9.45	163	80590	5.699	ng	# 44
71) Phenanthrene	11.25	178	282324	15.032	ng	# 95
72) Anthracene	11.30	178	66530	3.679	ng	# 85
75) Fluoranthene	12.43	202	317368	15.568	ng	96
78) Pyrene	12.66	202	322308	12.452	ng	99
81) Benzo(a)anthracene	13.84	228	197358	9.221	ng	# 87
83) Chrysene	13.87	228	269283	12.302	ng	96
87) Indeno(1,2,3-cd)pyrene	16.64	276	267416	11.548	ng	98
88) Benzo(b)fluoranthene	14.87	252	481047m	19.629	ng	
89) Benzo(k)fluoranthene	14.89	252	113163m	5.246	ng	
90) Benzo(a)pyrene	15.21	252	301725	14.249	ng	95
91) Dibenzo(a,h)anthracene	16.64	278	153362	8.078	ng	# 91
92) Benzo(a,h,i)perylene	17.06	276	331318	17.850	ng	97

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

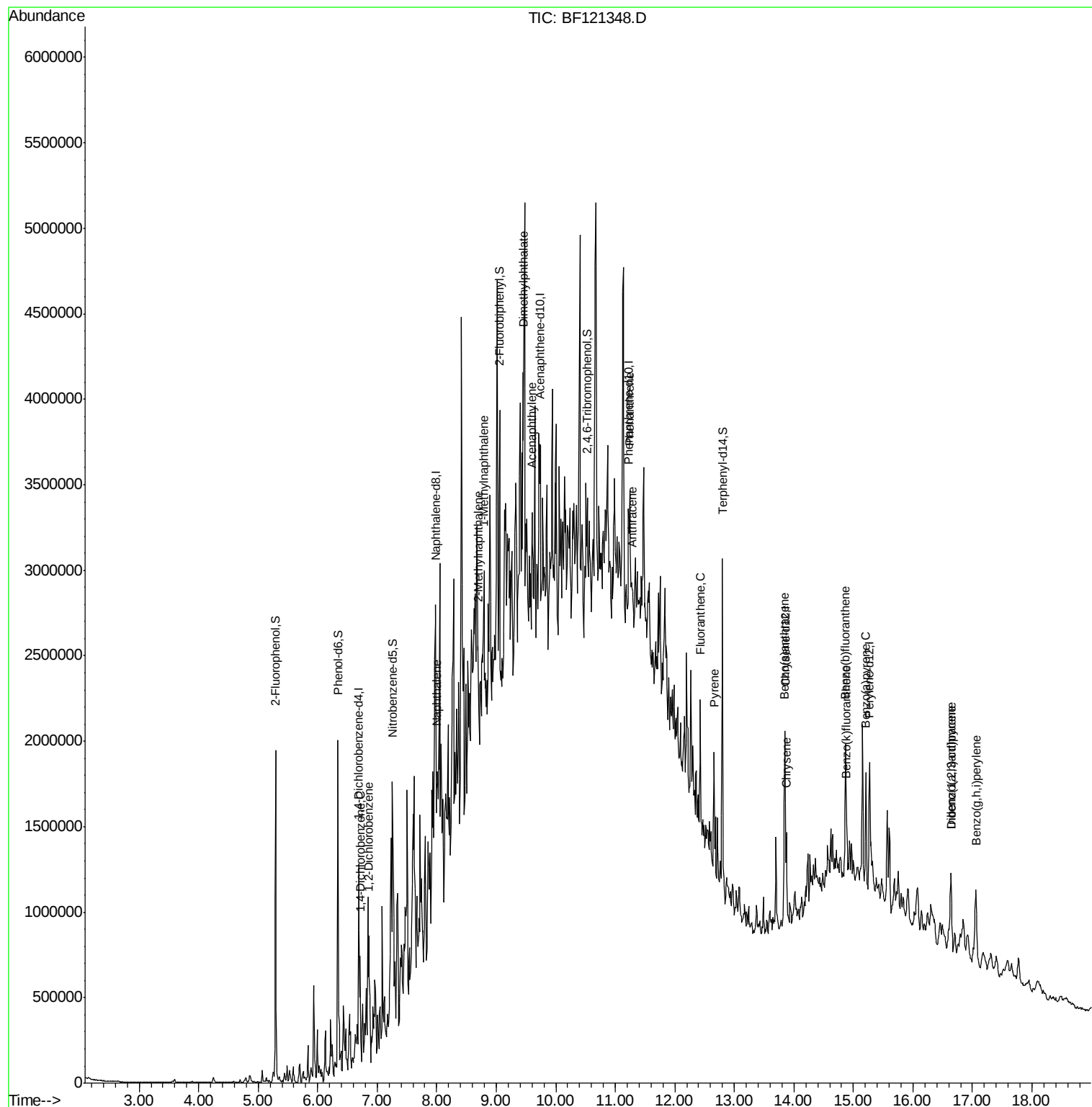
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121348.D
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Misc :
ALS Vial : 15 Sample Multiplier: 1

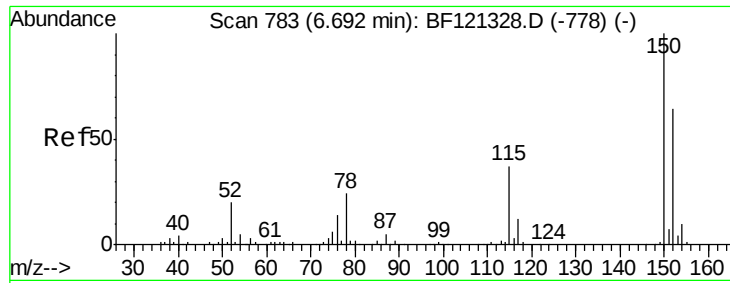
Instrument :
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TP-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 20 04:56:10 2020
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#1

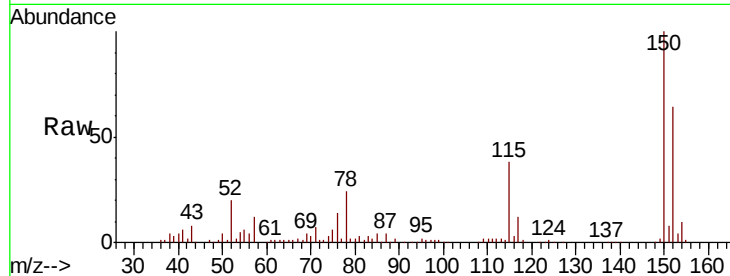
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.8	187.2
115	59.2	46.1	69.1

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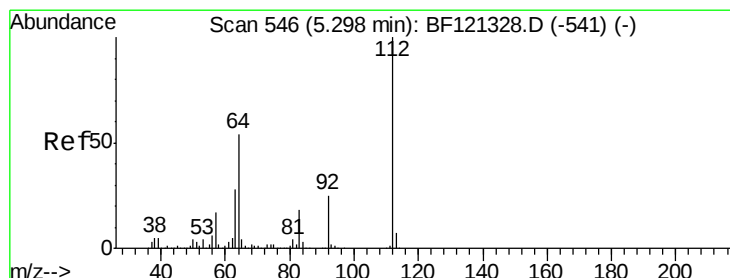
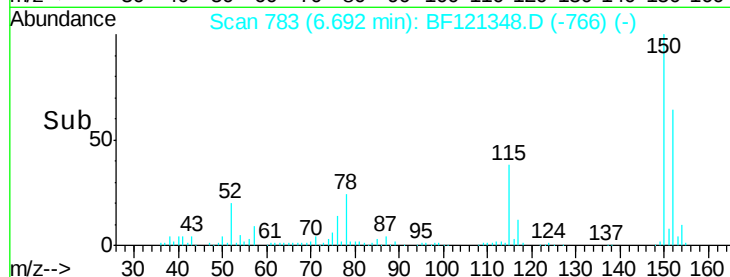
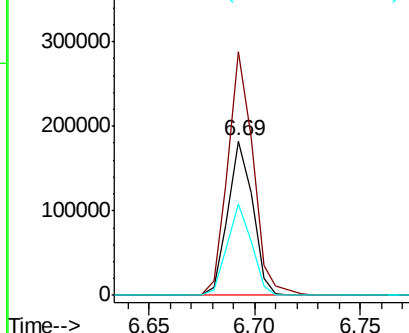


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

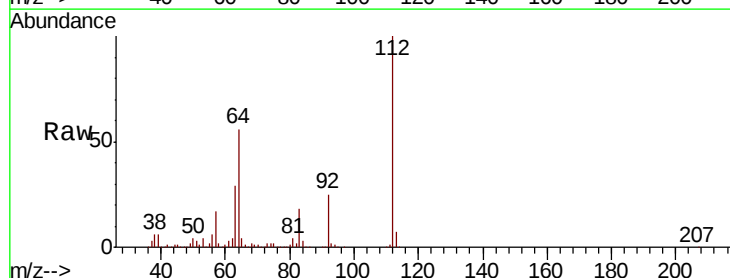
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 64.634 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	43.5	65.3
63	28.7	22.0	33.0

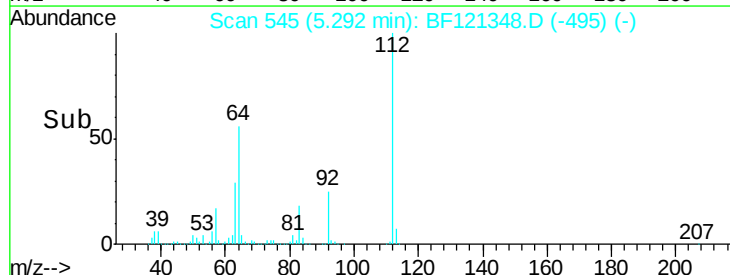
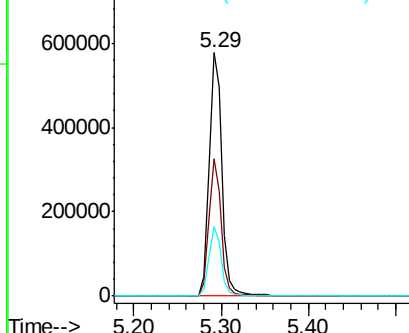


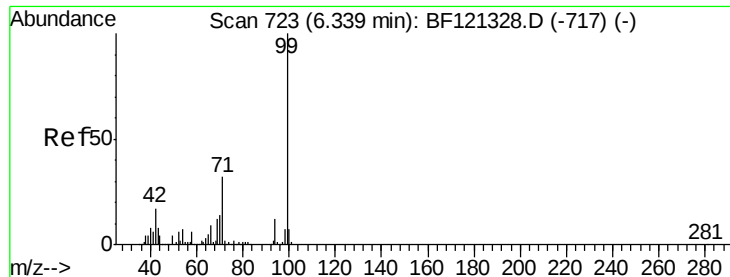
Abundance

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: 65.750 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

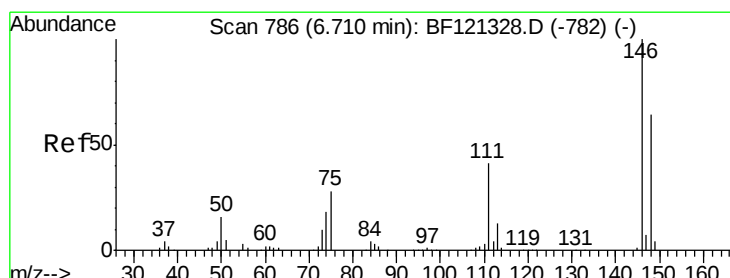
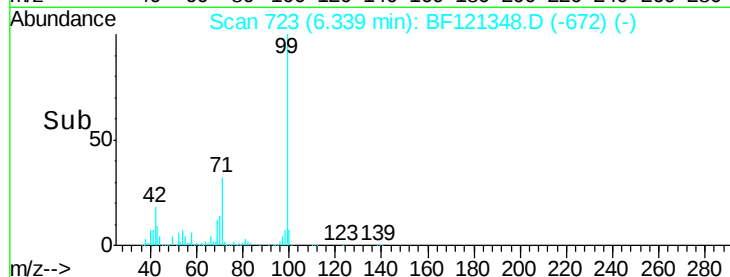
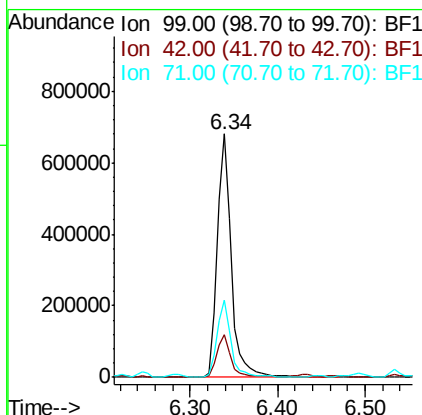
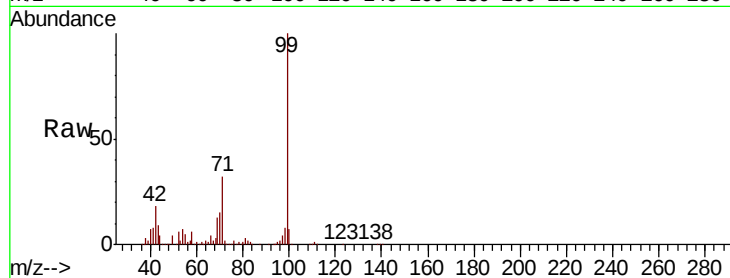
ClientSampleId :

TP-5

Tot Ion:	99	Resp:	762610
Ion Ratio	Lower	Upper	
99	100		
42	17.7	13.5	20.3
71	31.8	25.2	37.8

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#13

1,4-Dichlorobenzene

Concen: 5.924 ng

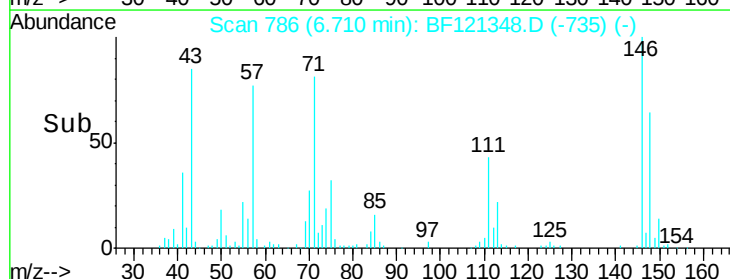
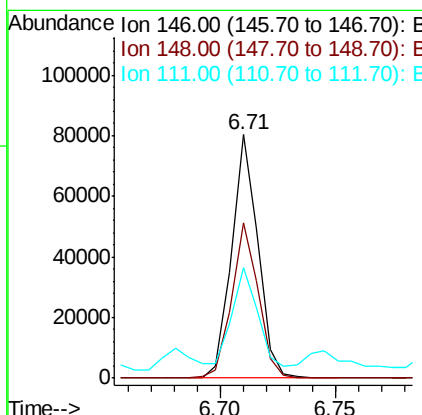
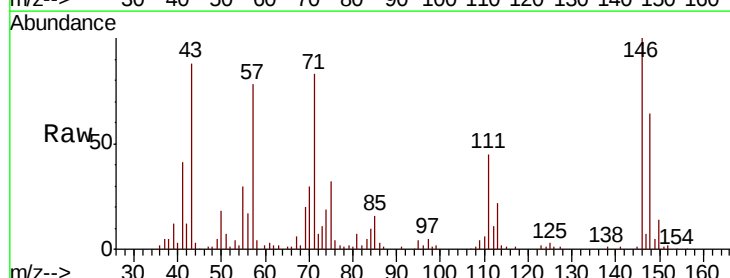
RT: 6.71 min Scan# 786

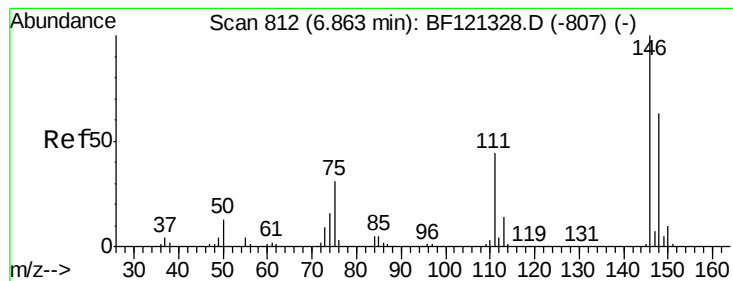
Delta R.T. 0.00 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Tgt Ion:	146	Resp:	63620
Ion Ratio	Lower	Upper	
146	100		
148	63.8	51.2	76.8
111	45.4	33.3	49.9





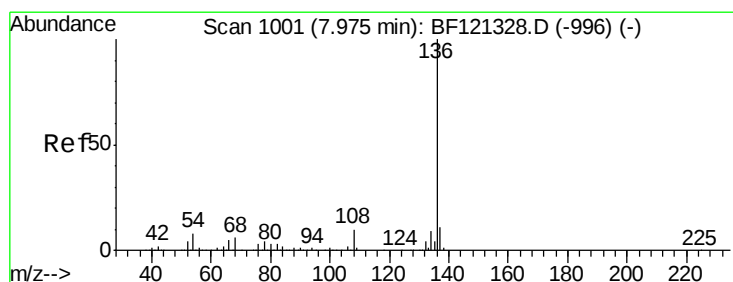
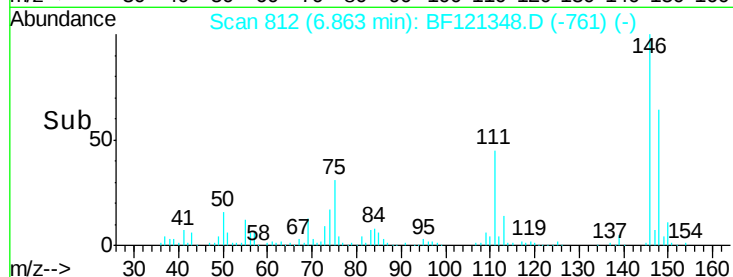
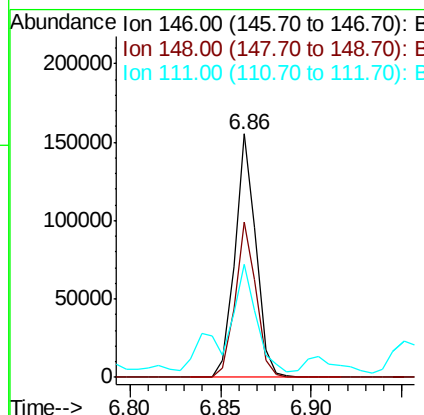
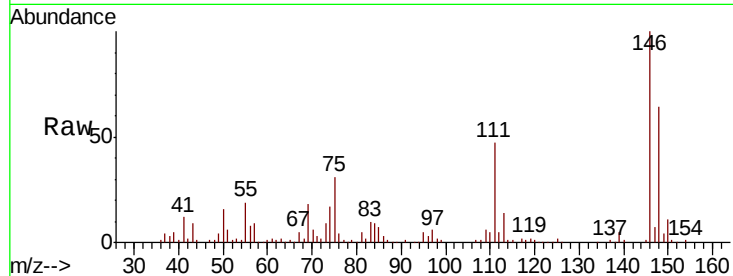
#14
1,2-Dichlorobenzene
Concen: 12.272 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.3	75.5
111	46.6	35.5	53.3

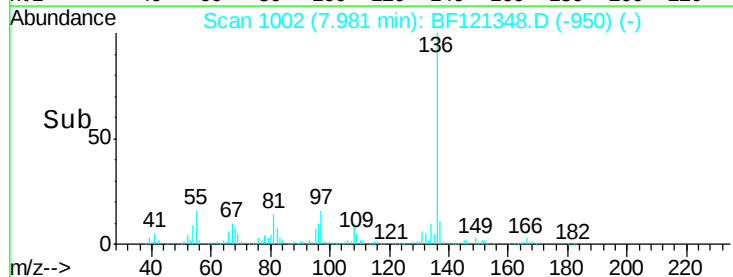
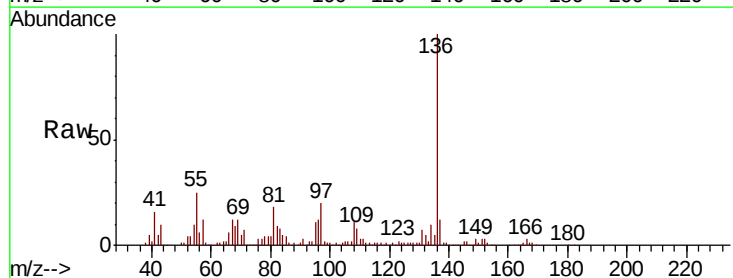
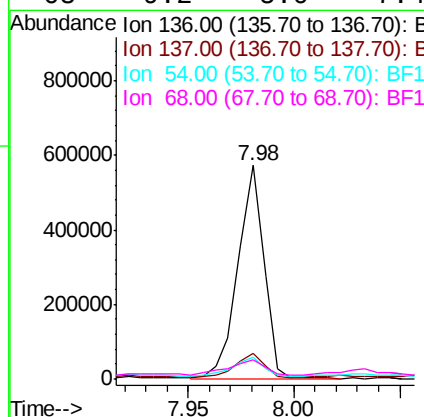
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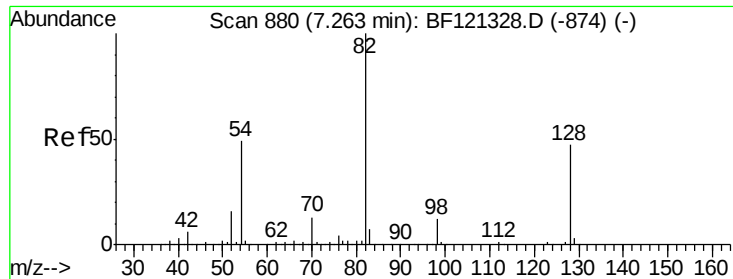
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. 0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.9	13.3
54	10.0	6.1	9.1#
68	9.2	5.0	7.4#





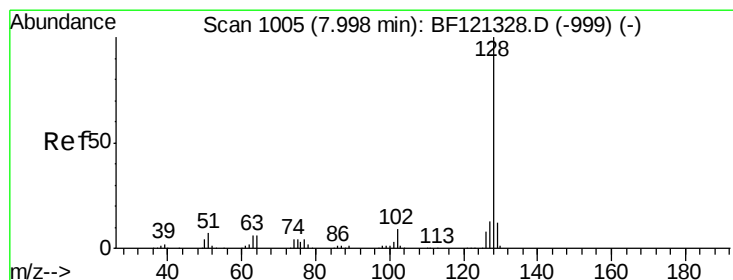
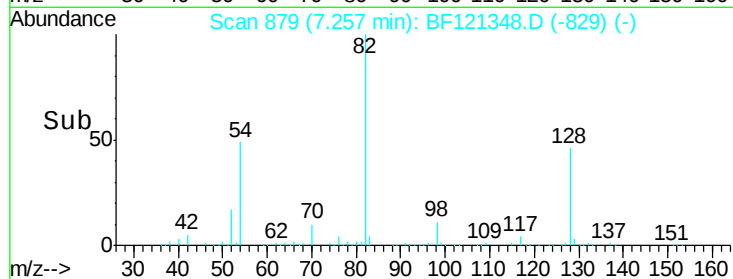
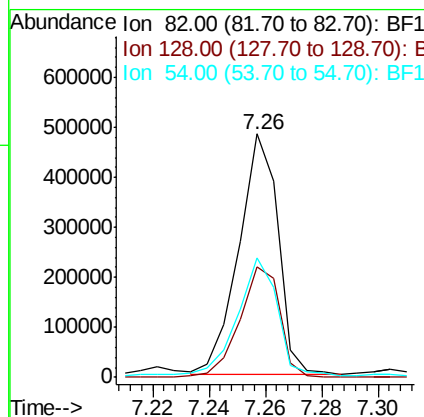
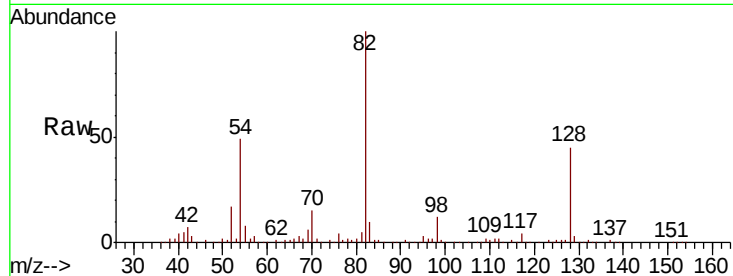
#23
Nitrobenzene-d5
Concen: 53.800 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	82	Resp	463880
Ion Ratio	Lower	Upper	
82	100		
128	45.5	37.9	56.9
54	49.2	39.0	58.4

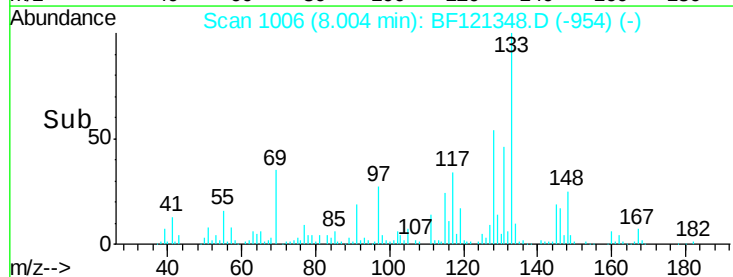
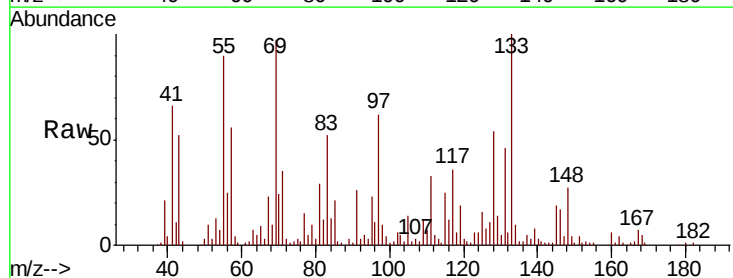
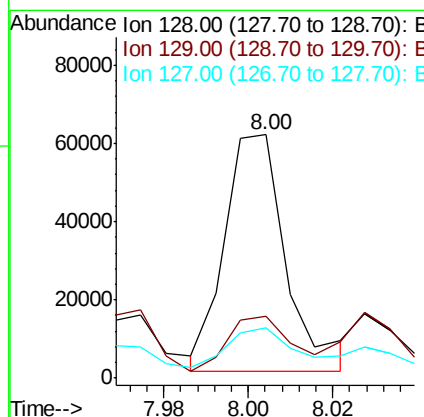
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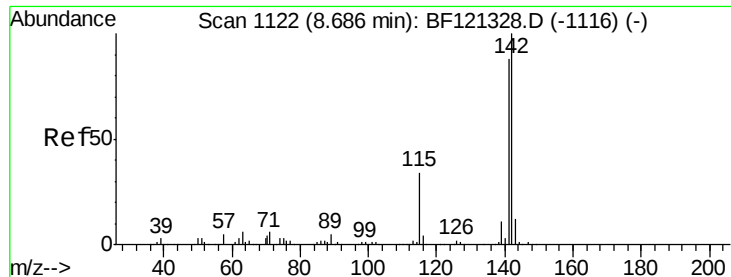
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#31
Naphthalene
Concen: 2.523 ng
RT: 8.00 min Scan# 1006
Delta R.T. 0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Tgt Ion	128	Resp	61225
Ion Ratio	Lower	Upper	
128	100		
129	25.7	9.3	13.9#
127	20.5	10.6	16.0#





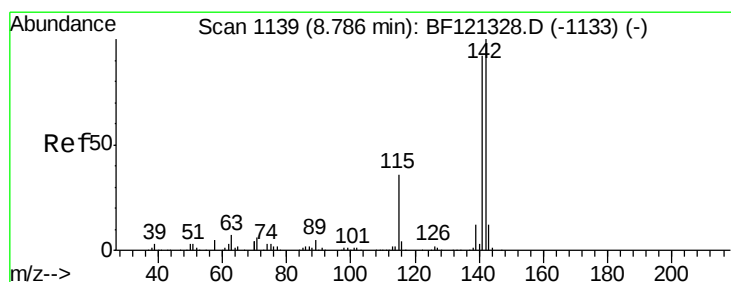
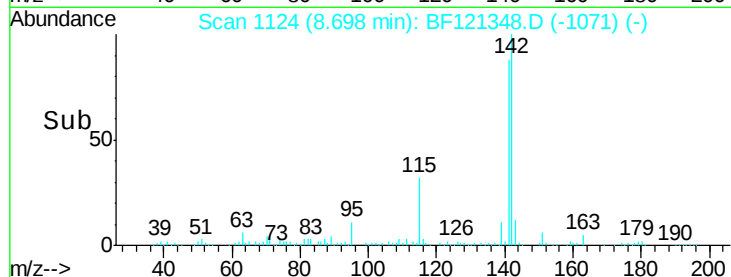
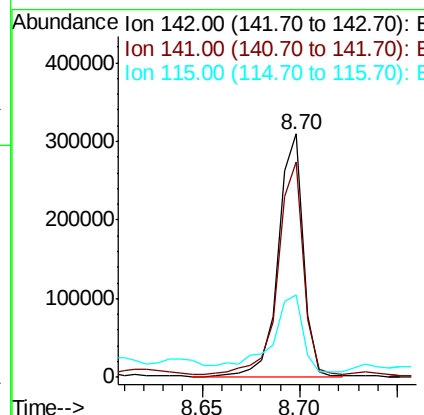
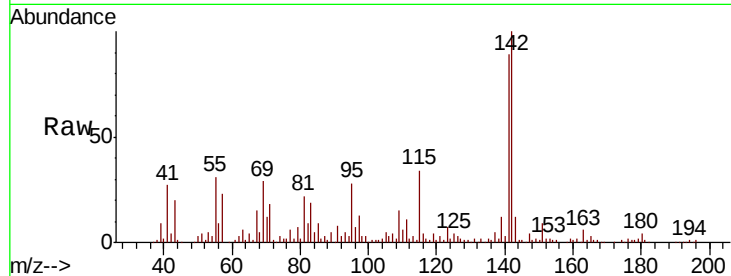
#37
2-Methylnaphthalene
Concen: 17.275 ng
RT: 8.70 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Resp	Lower	Upper
142	100	271743		
141	88.8	70.3	105.5	
115	33.8	26.9	40.3	

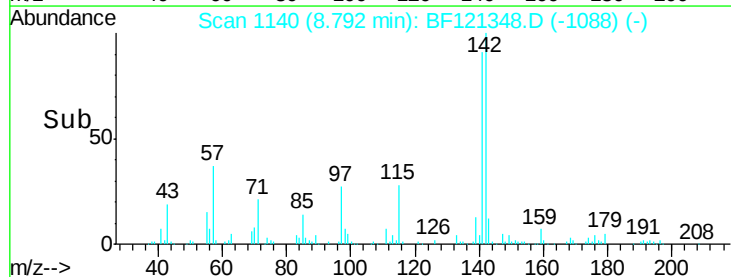
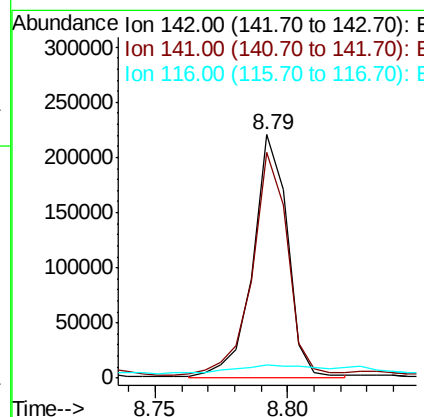
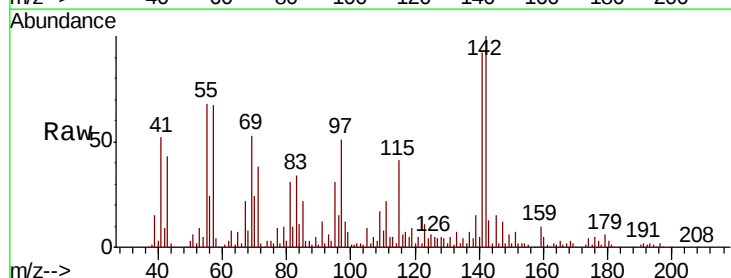
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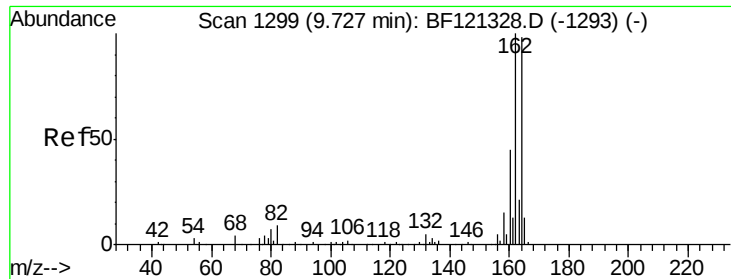
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#38
1-Methylnaphthalene
Concen: 13.320 ng m
RT: 8.79 min Scan# 1140
Delta R.T. 0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	199221		
141	92.5	73.6	110.4	
116	5.7	3.0	4.4#	





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.74 min Scan# 1301

Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

ClientSampleId :

TP-5

Tot Ion:164 Resp: 194377

Ion Ratio Lower Upper

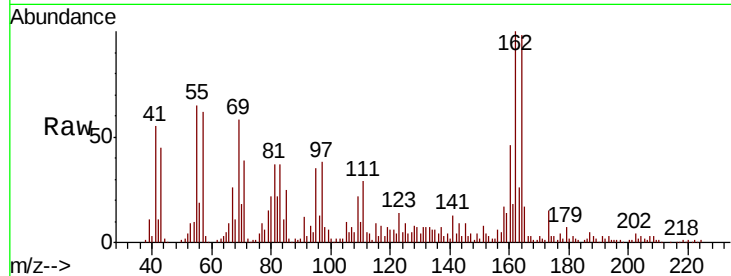
164 100

162 102.3 81.7 122.5

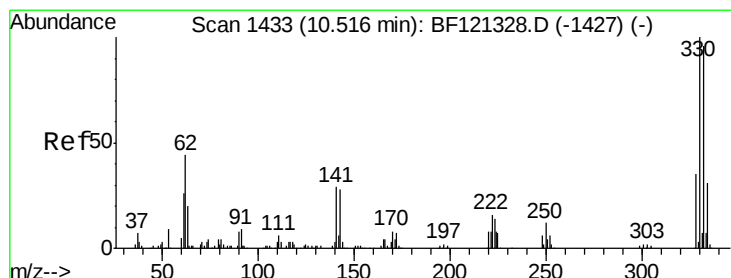
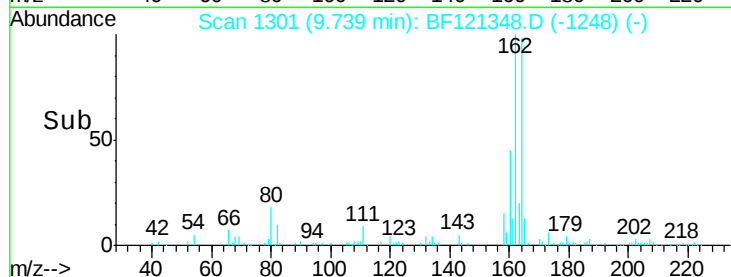
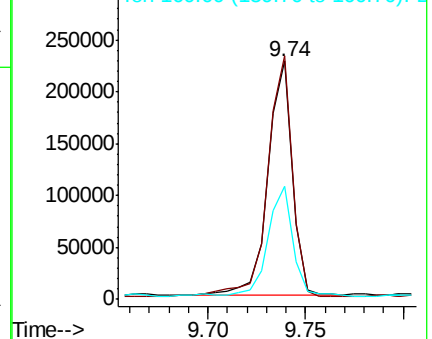
160 47.4 37.0 55.4

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 70.061 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

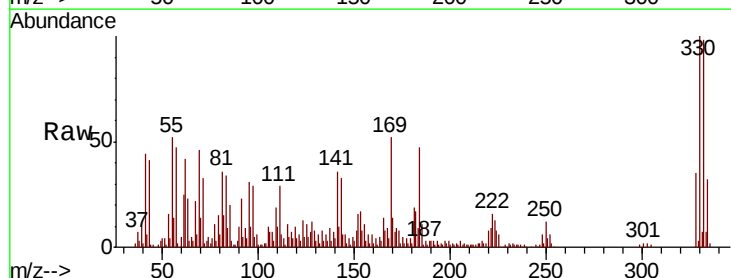
Tgt Ion:330 Resp: 158695

Ion Ratio Lower Upper

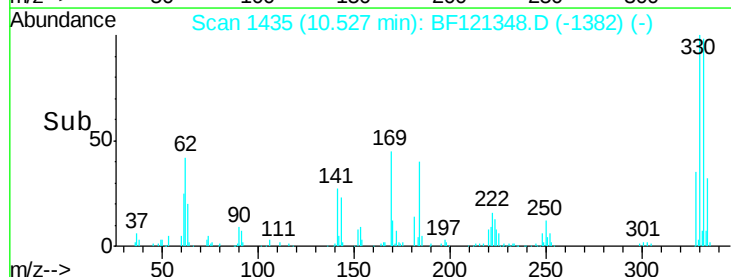
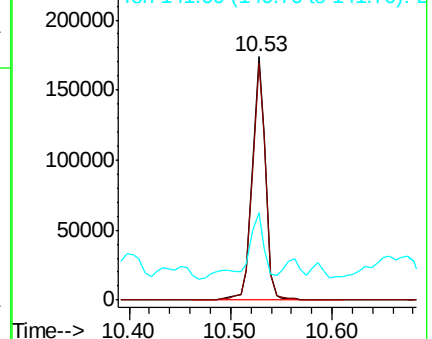
330 100

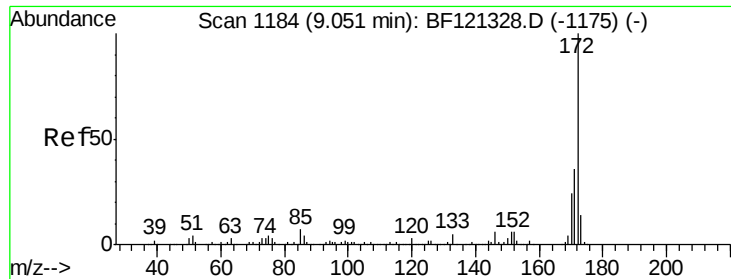
332 97.6 76.9 115.3

141 24.1 22.8 34.2



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





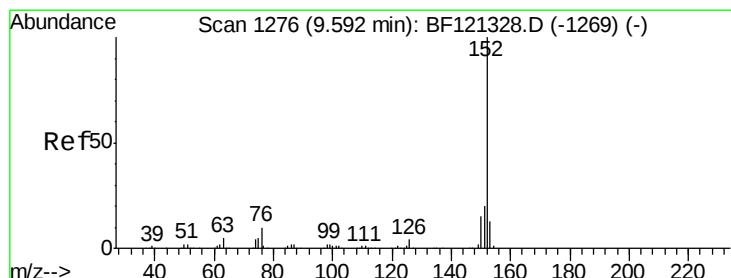
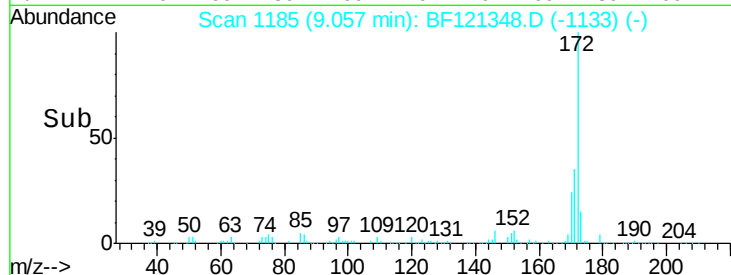
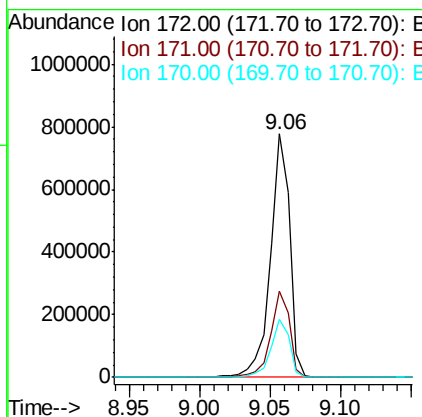
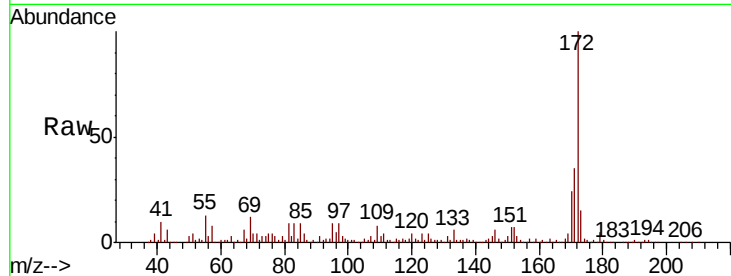
#45
2-Fluorobiphenyl
Concen: 72.102 ng
RT: 9.06 min Scan# 1185
Delta R.T. 0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.0	43.6
170	23.6	19.4	29.2

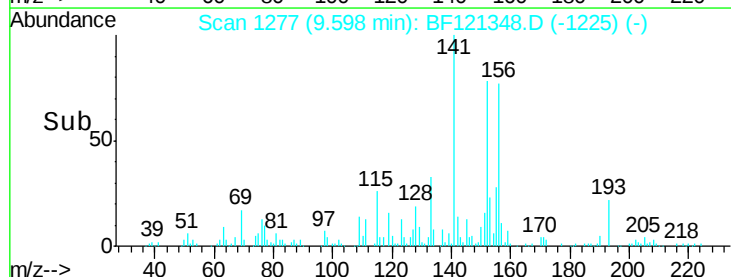
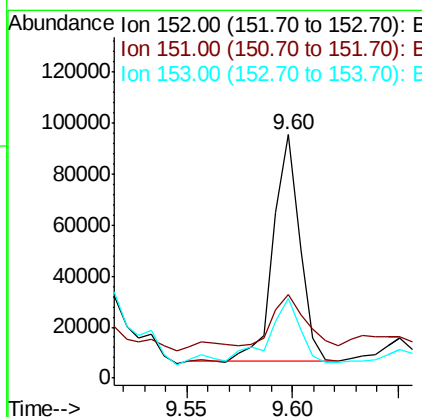
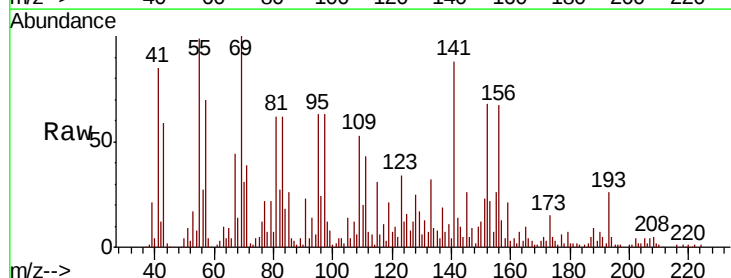
Manual Integrations
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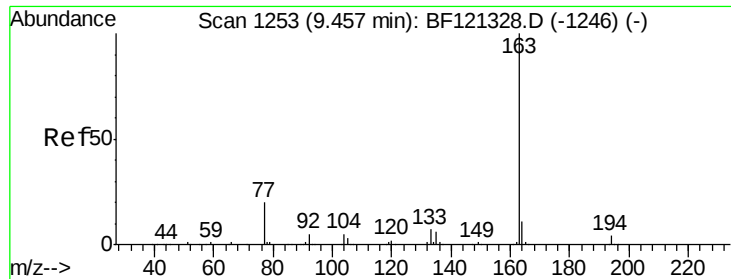
mohammad
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#49
Acenaphthylene
Concen: 4.395 ng
RT: 9.60 min Scan# 1277
Delta R.T. 0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	34.5	16.4	24.6#
153	32.8	10.6	16.0#





#50

Dimethylphthalate

Concen: 5.699 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

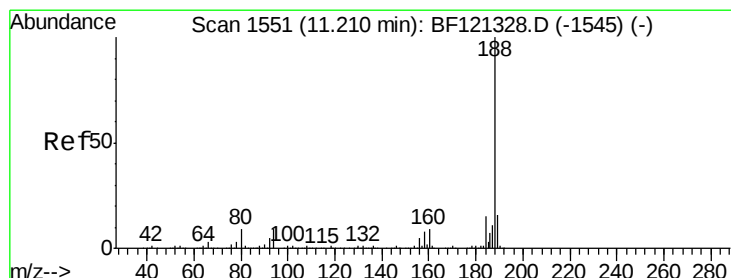
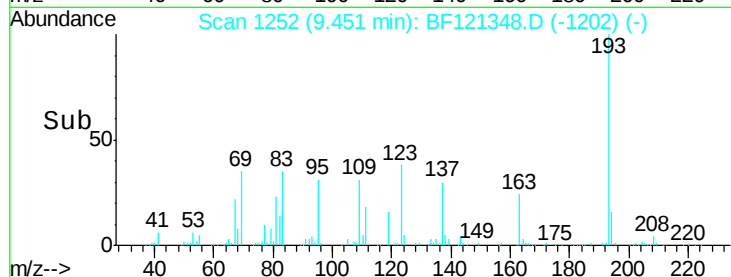
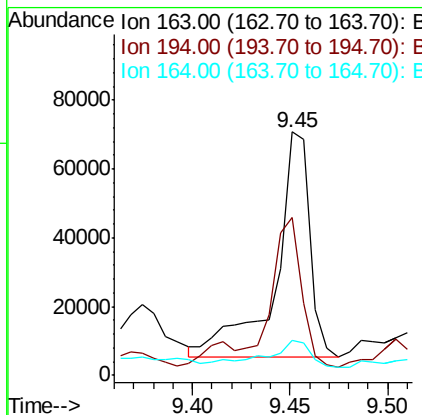
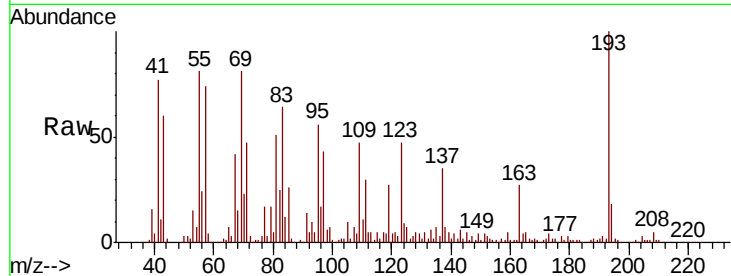
ClientSampleId :

TP-5

Tot Ion:	163	Resp:	80590
Ion Ratio	Lower	Upper	
163	100		
194	64.7	3.0	4.6#
164	14.1	8.4	12.6#

Manual Integrations
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#64

Phenanthrene-d10

Concen: 20.000 ng

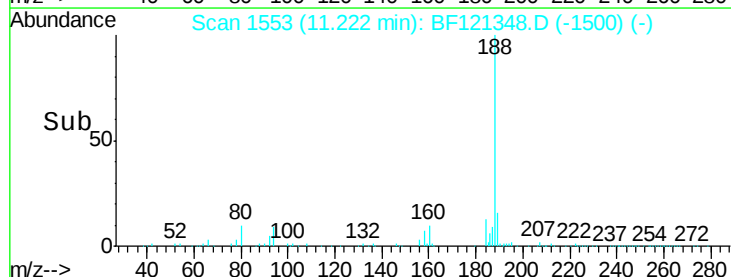
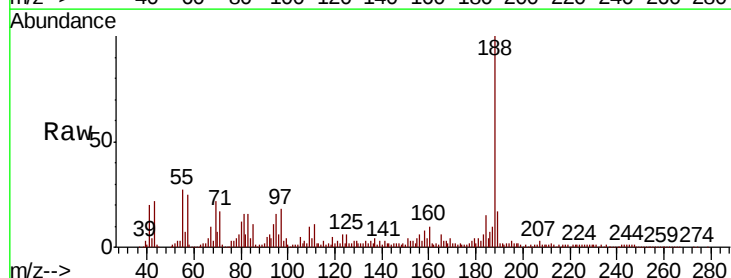
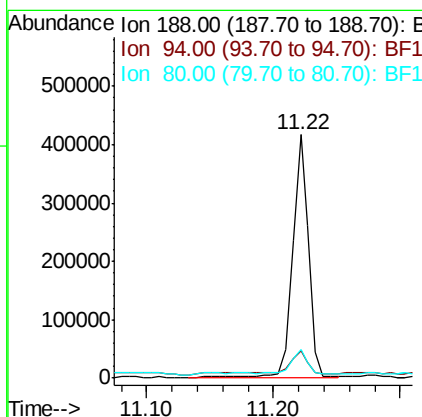
RT: 11.22 min Scan# 1553

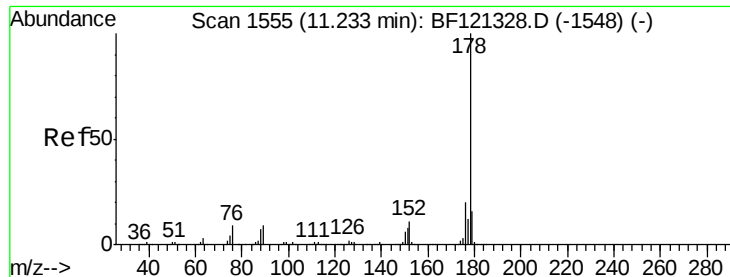
Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Tgt Ion:	188	Resp:	362887
Ion Ratio	Lower	Upper	
188	100		
94	11.1	7.2	10.8#
80	11.7	7.4	11.0#





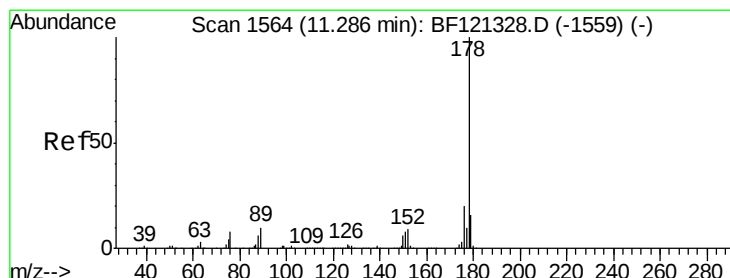
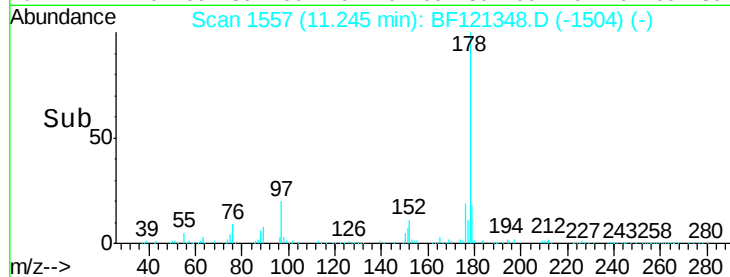
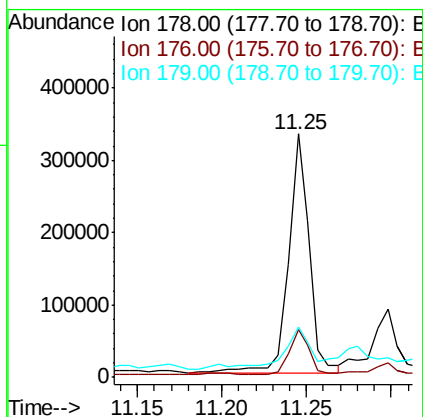
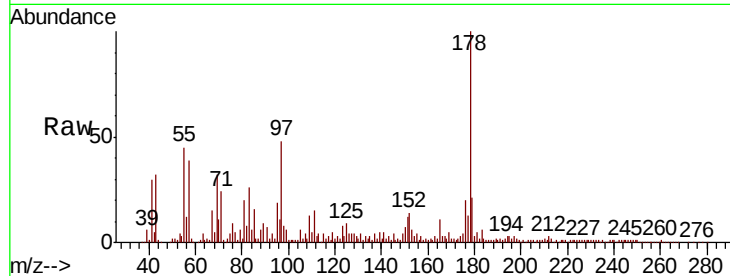
#71
Phenanthrene
Concen: 15.032 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.0	24.0
179	20.7	12.8	19.2

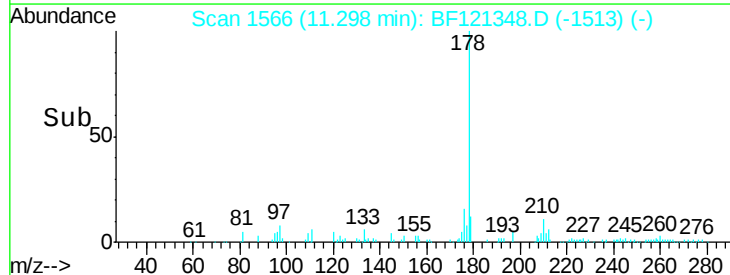
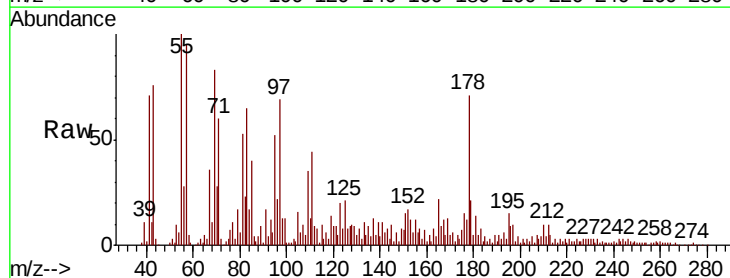
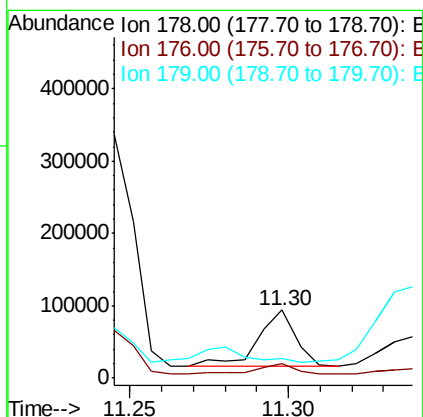
Manual Integrations
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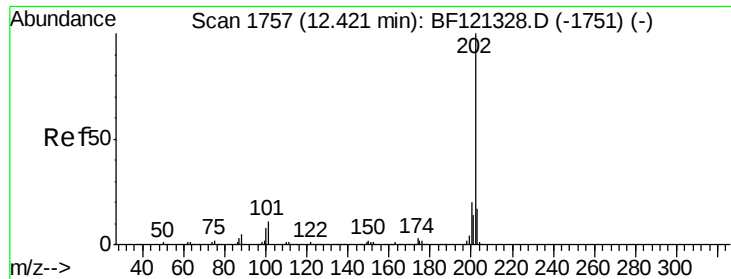
mohammad
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#72
Anthracene
Concen: 3.679 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.6	23.4
179	29.3	12.8	19.2





#75

Fluoranthene

Concen: 15.568 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

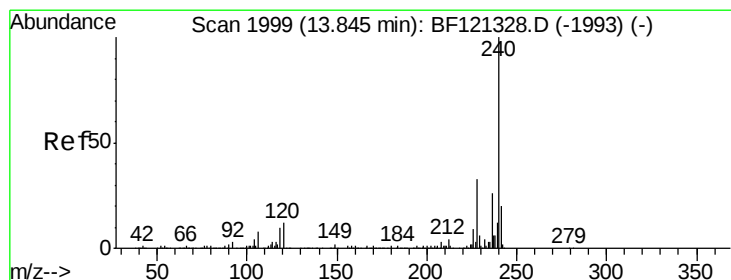
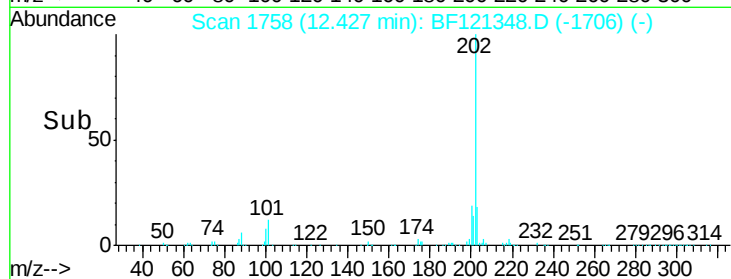
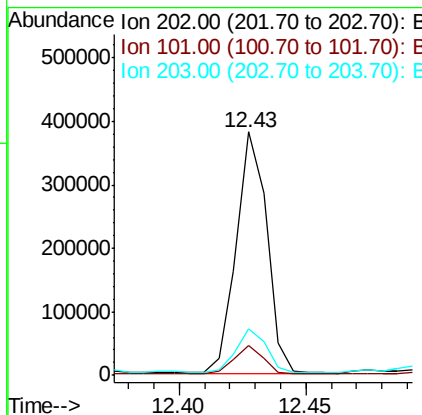
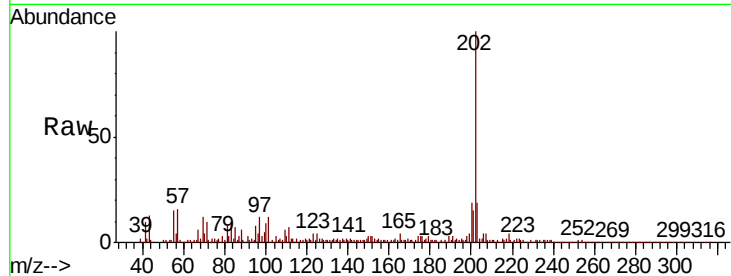
ClientSampleId :

TP-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		317368		
101	12.3	0.0	30.6		
203	18.9	0.0	37.5		

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#76

Chrysene-d12

Concen: 20.000 ng

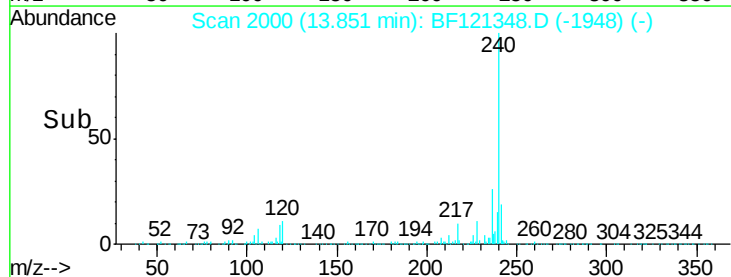
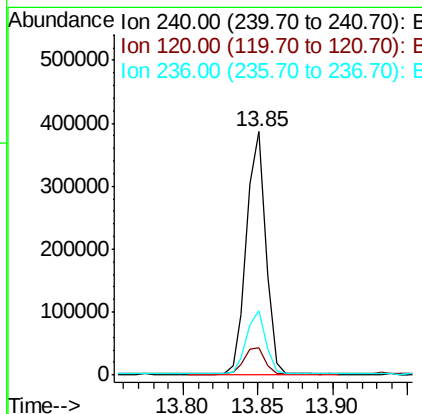
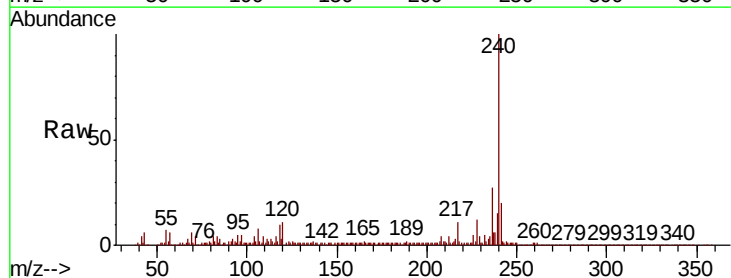
RT: 13.85 min Scan# 2000

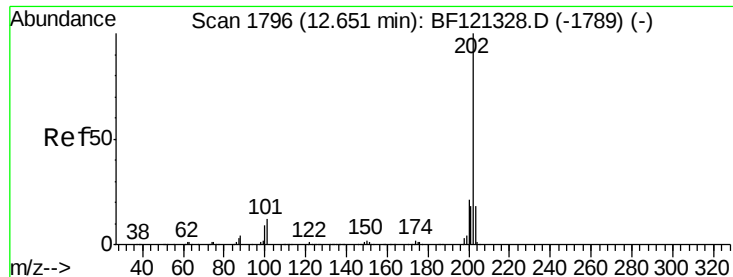
Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		344593		
120	11.2	9.6	14.4		
236	26.6	20.6	31.0		





#78

Pvrene

Concen: 12.452 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.01 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

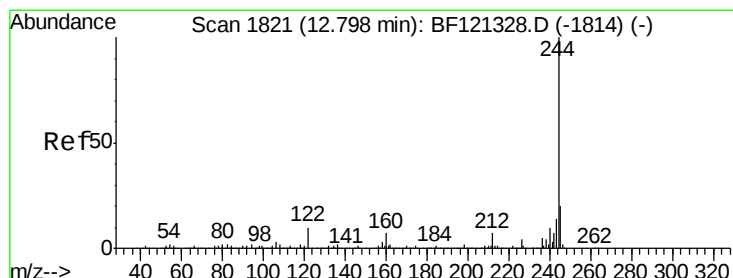
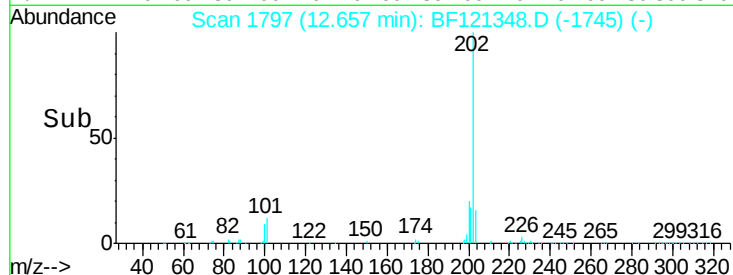
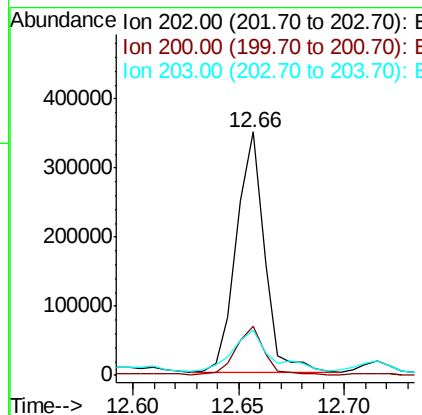
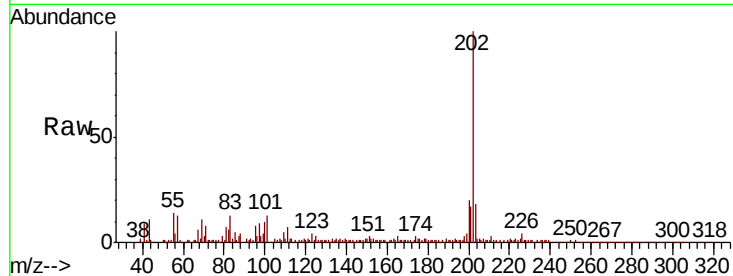
ClientSampleId :

TP-5

Tot Ion:	202	Resp:	322308
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.6	24.8
203	18.5	14.2	21.2

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#79

Terphenyl-d14

Concen: 39.542 ng

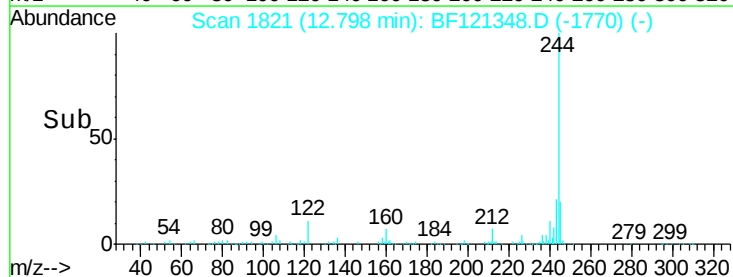
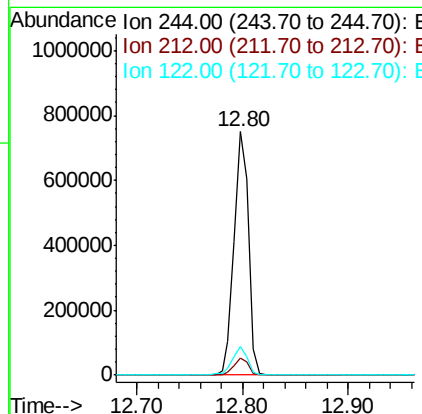
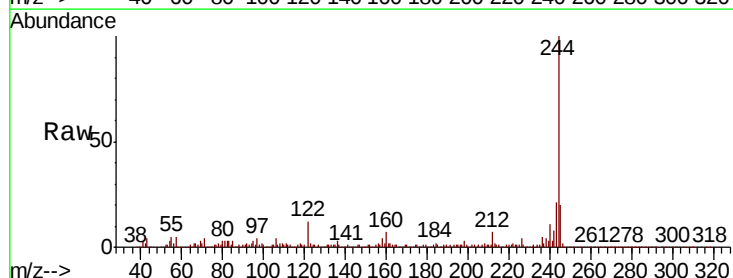
RT: 12.80 min Scan# 1821

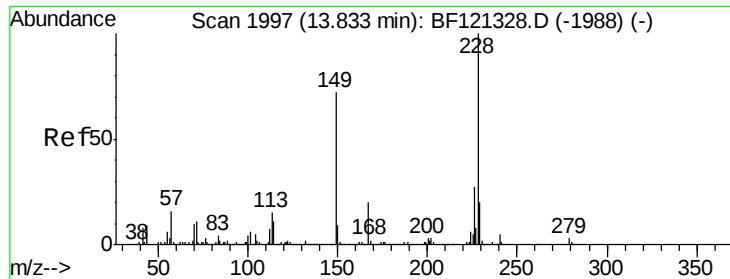
Delta R.T. 0.00 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Tgt Ion:	244	Resp:	697279
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	11.6	7.8	11.8





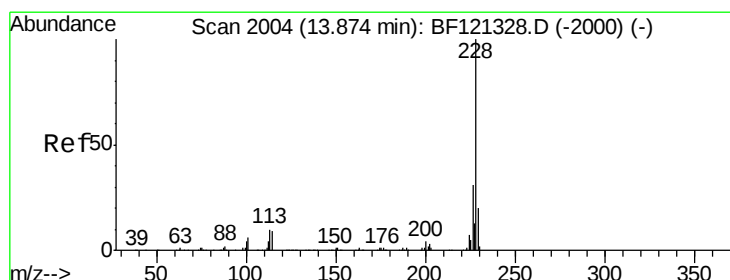
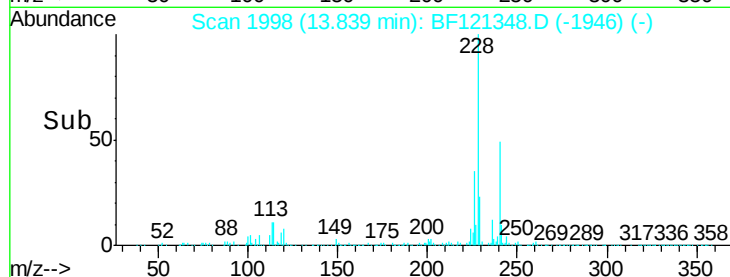
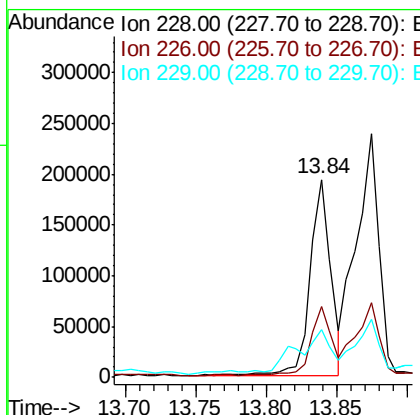
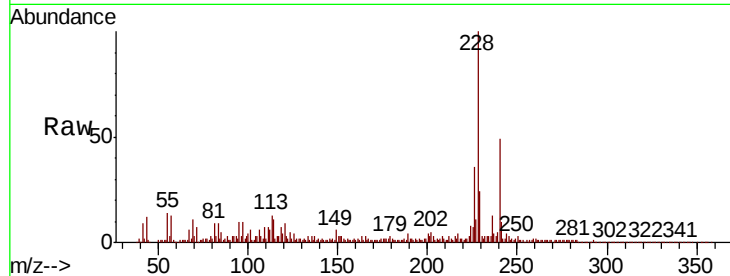
#81
Benzo(a)anthracene
Concen: 9.221 ng
RT: 13.84 min Scan# 1998
Delta R.T. 0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.6	21.8	32.6#
229	23.9	15.8	23.8#

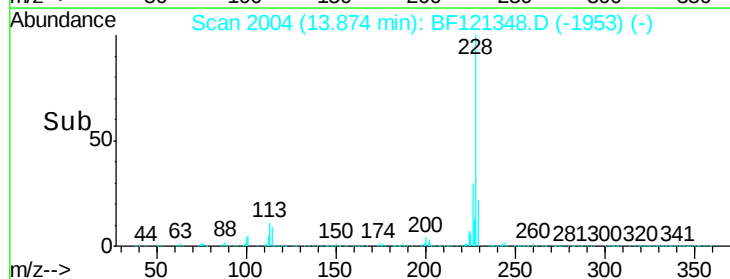
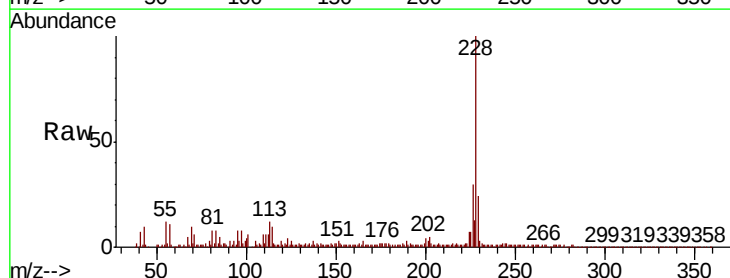
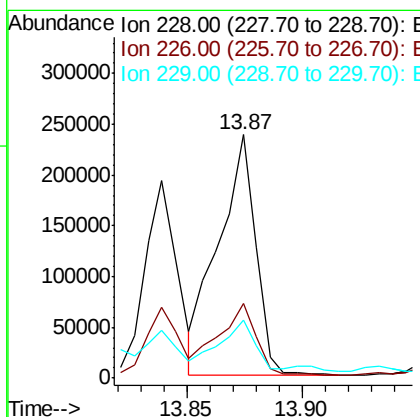
Manual Integrations
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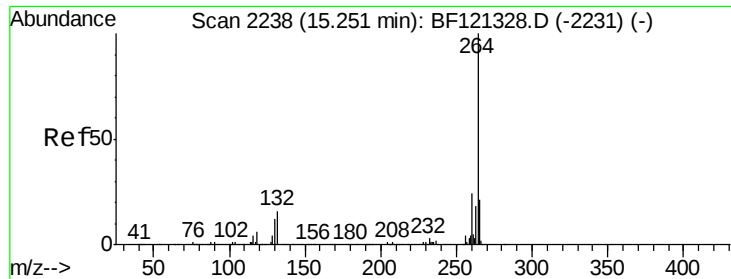
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#83
Chrysene
Concen: 12.302 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	36.8
229	23.8	15.9	23.9





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. 0.02 min

Lab File: BF121348.D

Acq: 20 Aug 2020 15:43

Instrument :

BNA_F

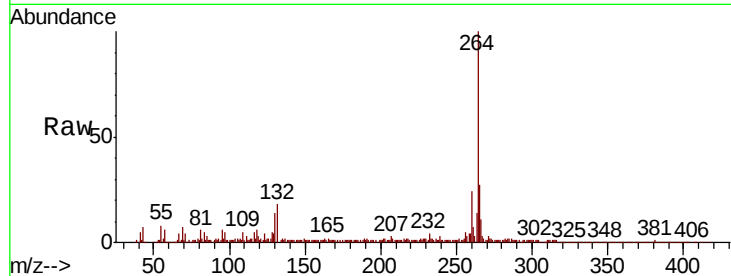
ClientSampleId :

TP-5

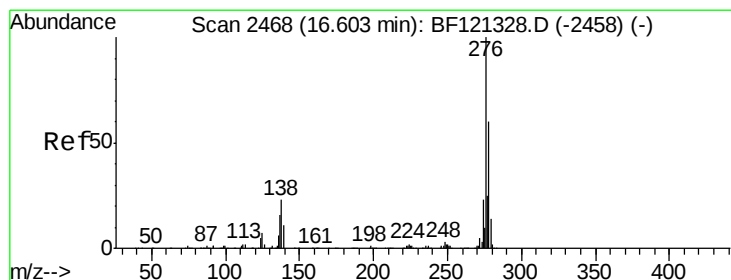
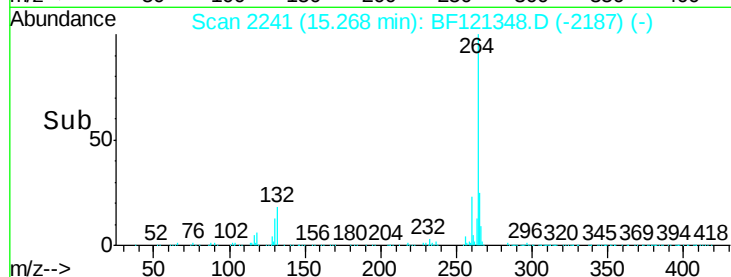
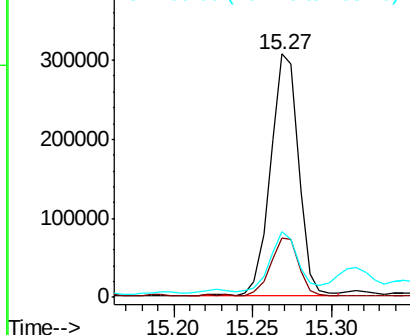
Tot Ion:	264	Resp:	379344
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.5	29.3
265	26.9	17.1	25.7

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.548 ng

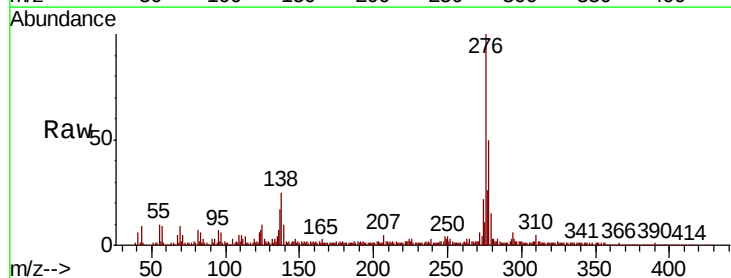
RT: 16.64 min Scan# 2474

Delta R.T. 0.04 min

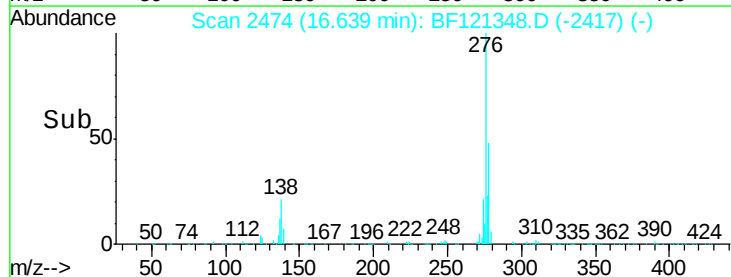
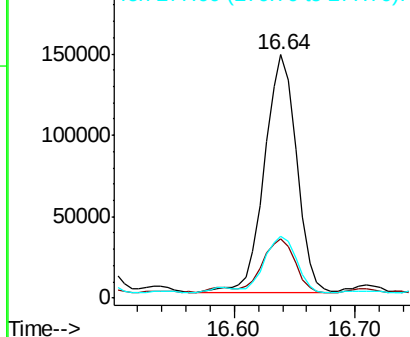
Lab File: BF121348.D

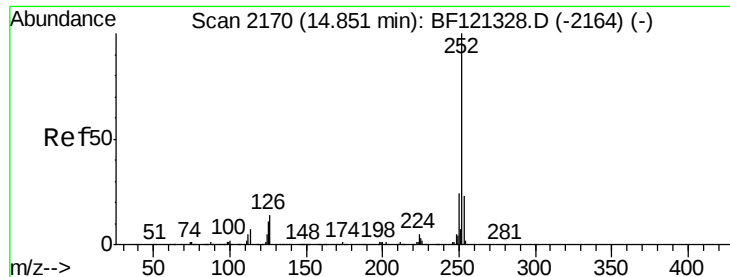
Acq: 20 Aug 2020 15:43

Tgt Ion:	276	Resp:	267416
Ion Ratio	Lower	Upper	
276	100		
138	23.3	19.4	29.0
277	24.1	19.9	29.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





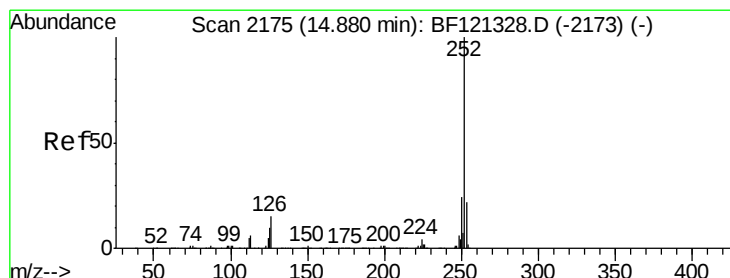
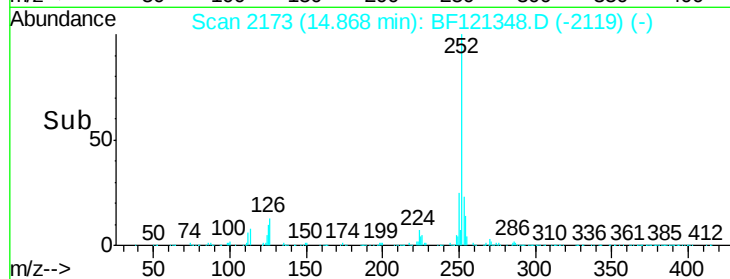
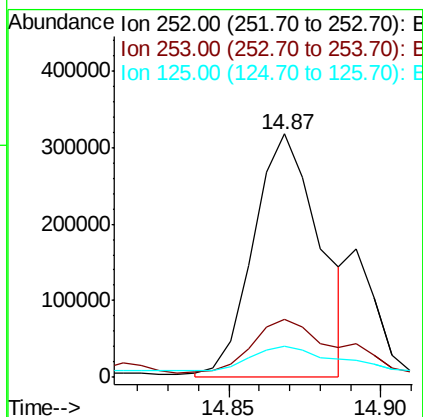
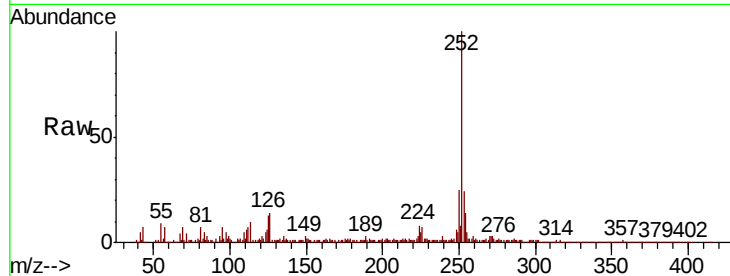
#88
Benzo(b)fluoranthene
Concen: 19.629 ng m
RT: 14.87 min Scan# 2173
Delta R.T. 0.02 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	12.8	8.6	12.8

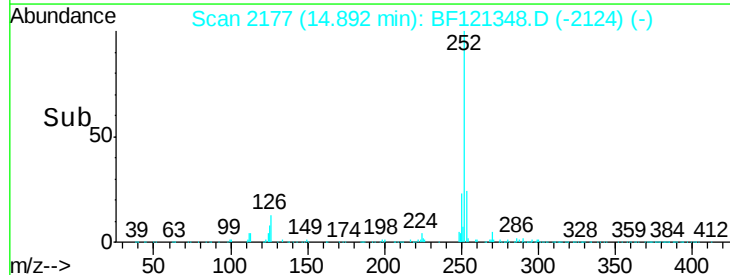
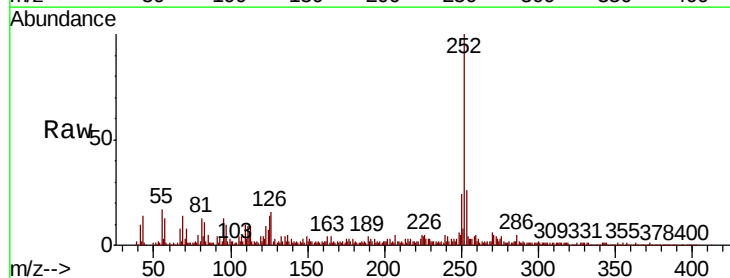
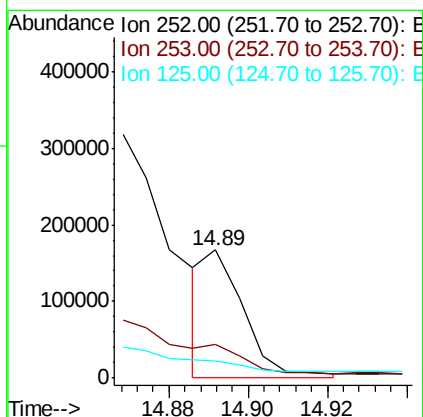
Manual Integrations
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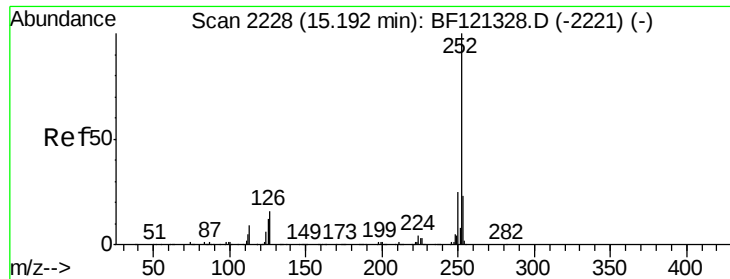
mohammad
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#89
Benzo(k)fluoranthene
Concen: 5.246 ng m
RT: 14.89 min Scan# 2177
Delta R.T. 0.01 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.9	26.9
125	13.7	8.6	12.8





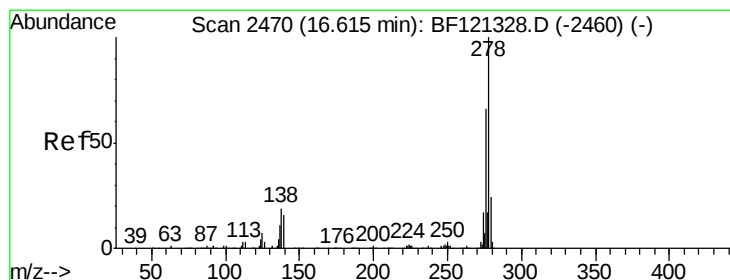
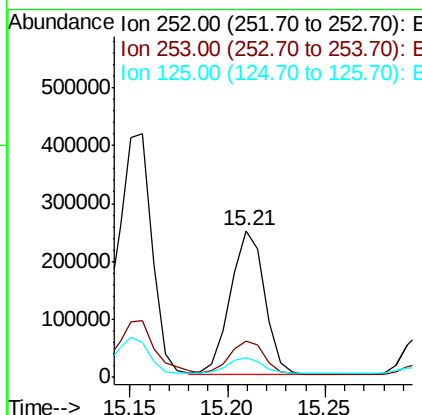
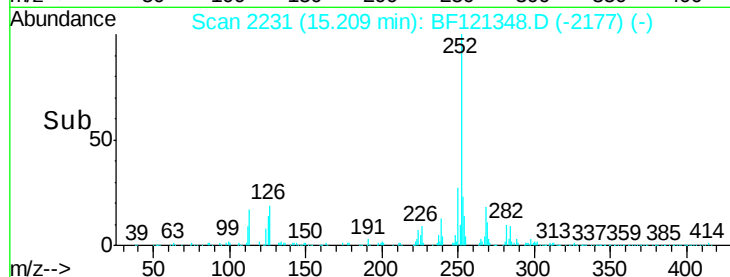
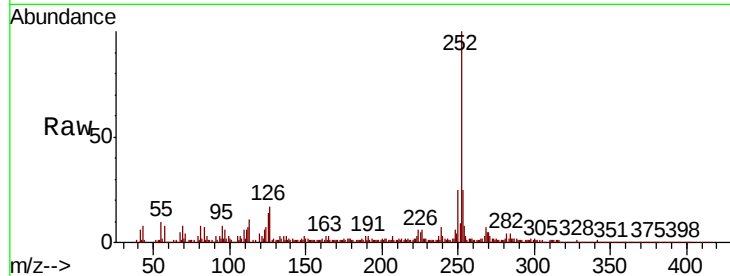
#90
Benzo(a)pyrene
Concen: 14.249 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.02 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	13.7	9.4	14.0

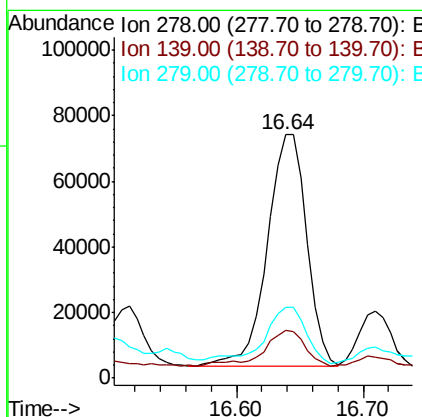
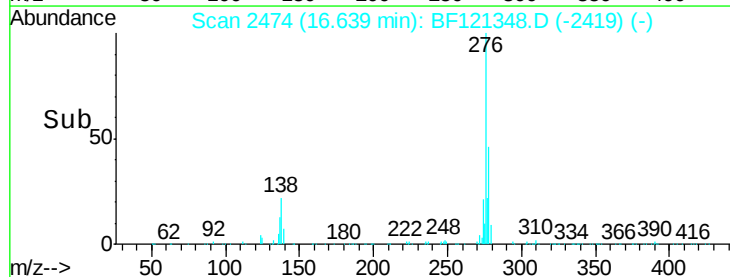
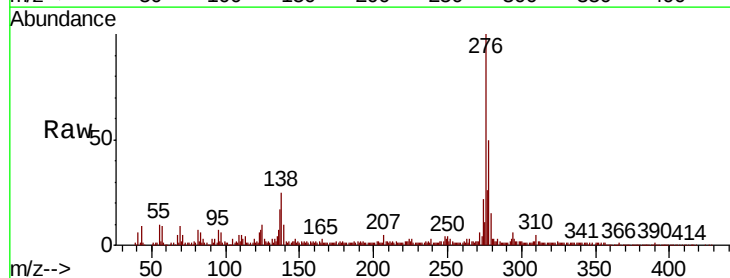
Manual Integrations
APPROVED

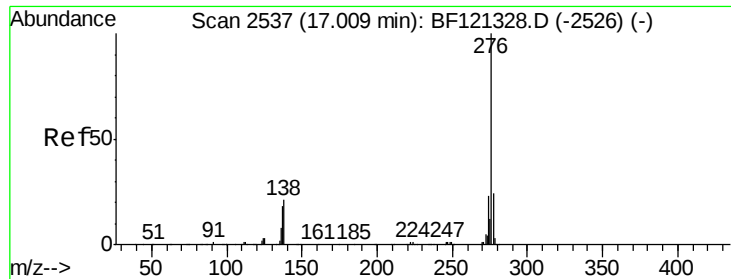
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 8.078 ng
RT: 16.64 min Scan# 2474
Delta R.T. 0.02 min
Lab File: BF121348.D
Acq: 20 Aug 2020 15:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.9	13.1	19.7#
279	29.2	19.4	29.2#





#92
 Benzo(a,h,i)perylene
 Concen: 17.850 ng
 RT: 17.06 min Scan# 2545
 Delta R.T. 0.05 min
 Lab File: BF121348.D
 Acq: 20 Aug 2020 15:43

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tot Ion:	276	Resp:	331318
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.3	28.9
138	23.1	16.8	25.2

Manual Integrations
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