

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
 Data File : BF121458.D
 Acq On : 28 Aug 2020 14:21
 Operator : JU/CG
 Sample : L3507-13 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-082720

Manual Integrations
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mohammad
 8/31/2020 10:27:21 AM

Quant Time: Aug 28 14:52:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 28 09:25:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	314725	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1208393	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	621222	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	1147487	20.00	ng	0.00
76) Chrysene-d12	14.02	240	811195	20.00	ng	0.00
86) Perylene-d12	15.49	264	764319	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	300725	16.03	ng	-0.02
7) Phenol-d6	6.47	99	399843	15.25	ng	-0.02
23) Nitrobenzene-d5	7.41	82	241910	13.69	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	101521	16.18	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	497147	12.91	ng	-0.01
79) Terphenyl-d14	12.96	244	478934	12.43	ng	-0.01
Target Compounds						
31) Naphthalene	8.16	128	207688	3.462	ng	97
37) 2-Methylnaphthalene	8.85	142	98654	2.482	ng	99
38) 1-Methylnaphthalene	8.95	142	83130	2.215	ng	98
52) Acenaphthene	9.93	154	91090	2.496	ng	98
58) Fluorene	10.44	166	180994	4.529	ng	99
71) Phenanthrene	11.40	178	1110639	18.861	ng	98
72) Anthracene	11.46	178	315414	5.446	ng	96
75) Fluoranthene	12.59	202	1254595	19.768	ng	99
78) Pyrene	12.82	202	1159293	20.011	ng	98
81) Benzo(a)anthracene	14.01	228	527101	10.644	ng	98
83) Chrysene	14.04	228	522006m	10.537	ng	
87) Indeno(1,2,3-cd)pyrene	16.94	276	268635	5.712	ng	95
88) Benzo(b)fluoranthene	15.06	252	545657m	10.975	ng	
89) Benzo(k)fluoranthene	15.09	252	226274m	4.893	ng	
90) Benzo(a)pyrene	15.42	252	416391	9.314	ng	97
91) Dibenzo(a,h)anthracene	16.96	278	89435	2.323	ng	94
92) Benzo(a,h,i)perylene	17.39	276	254174	6.854	ng	100

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

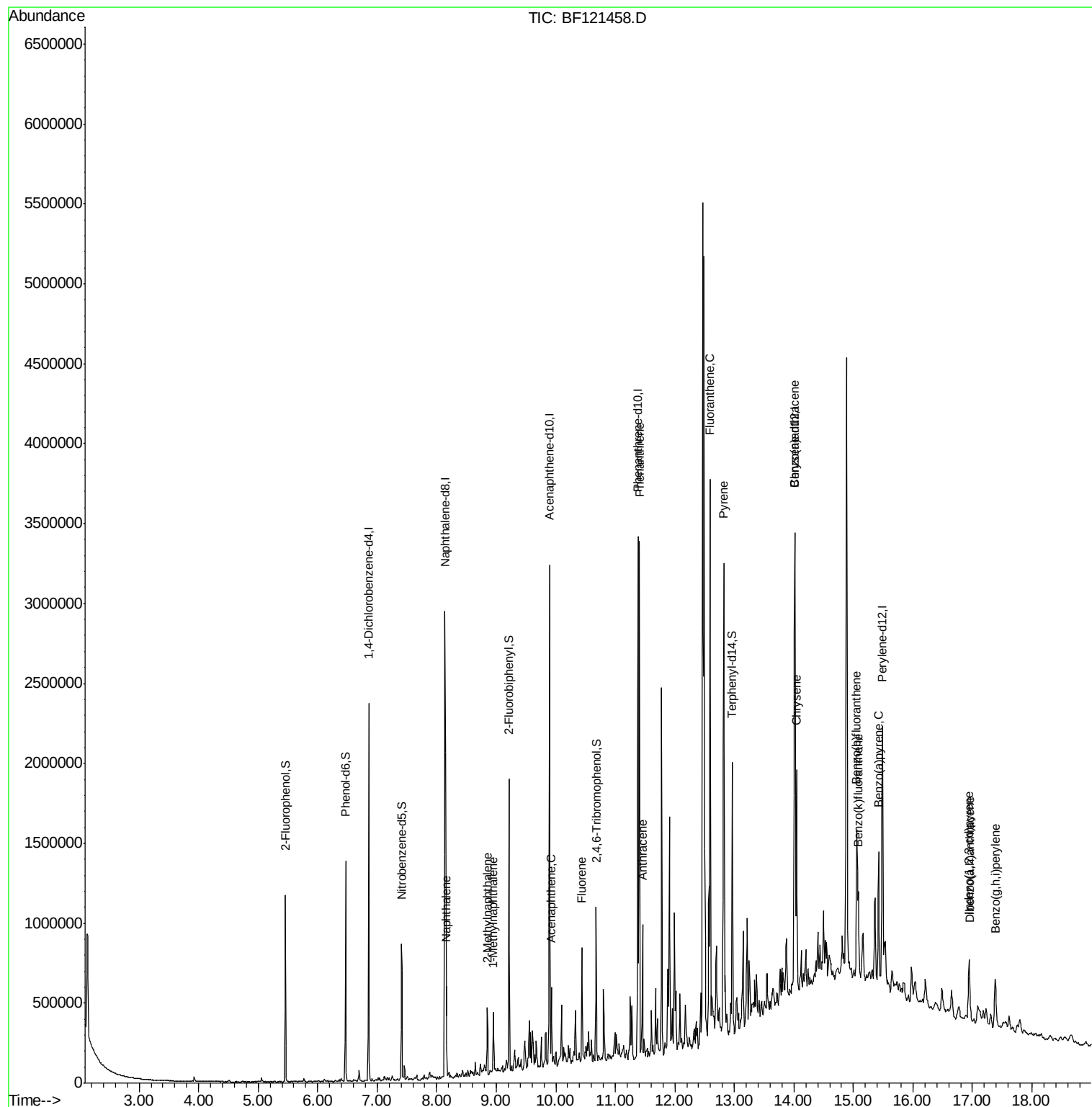
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082820\
Data File : BF121458.D
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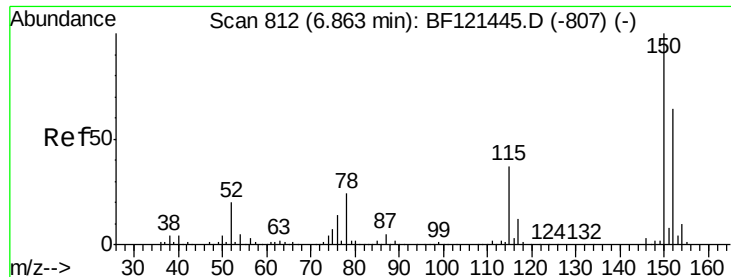
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
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#1

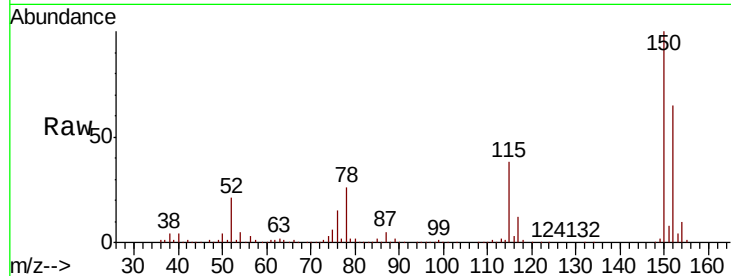
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Instrument :
BNA_F
ClientSampleId :
SU-03-082720

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.8	188.6
115	59.2	46.6	69.8

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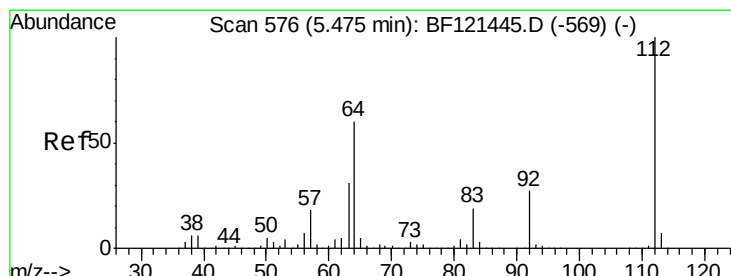
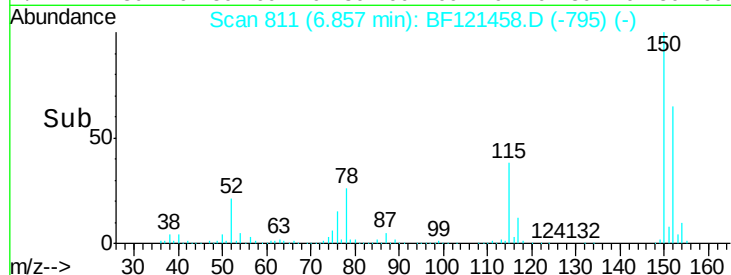
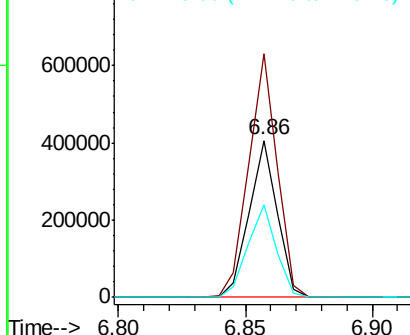


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

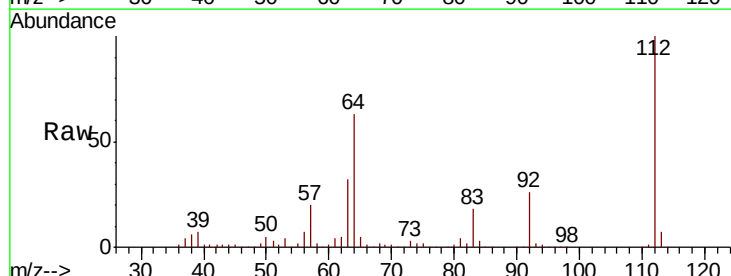
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 16.031 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.02 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	48.2	72.2
63	31.6	24.8	37.2

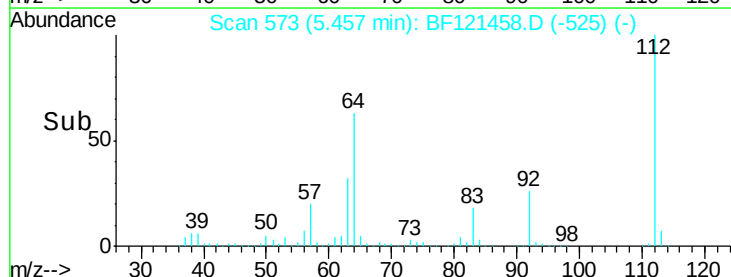
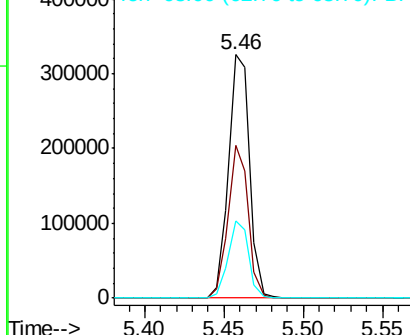


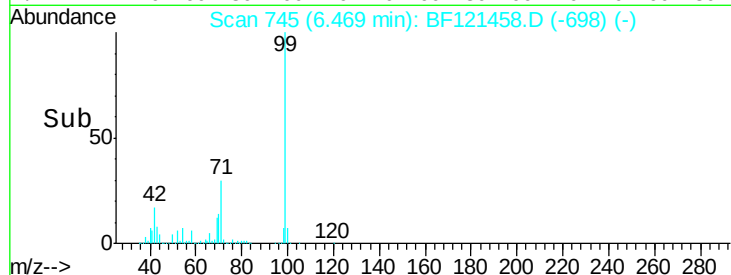
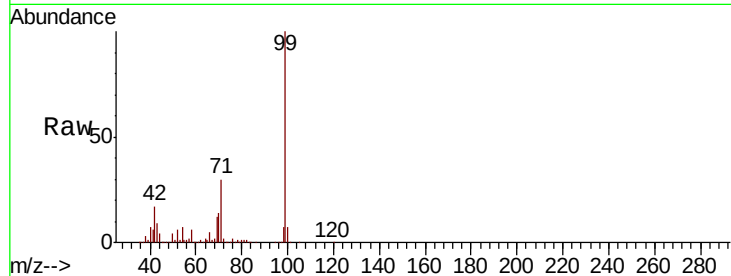
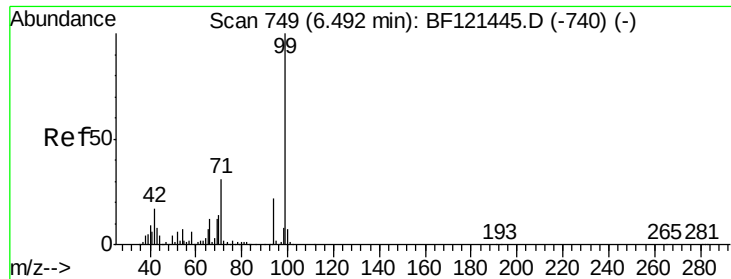
Abundance

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: 15.253 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF121458.D

Acq: 28 Aug 2020 14:21

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		399843		
42	16.7	13.5	20.3		
71	30.2	24.6	37.0		

Instrument :

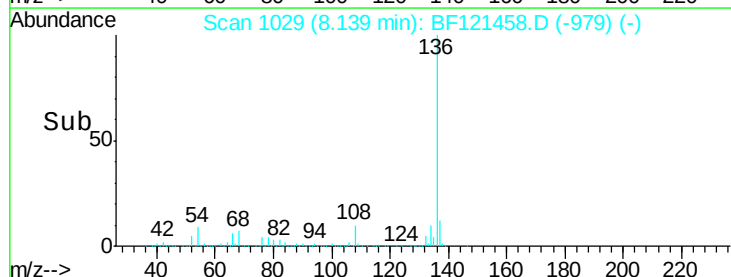
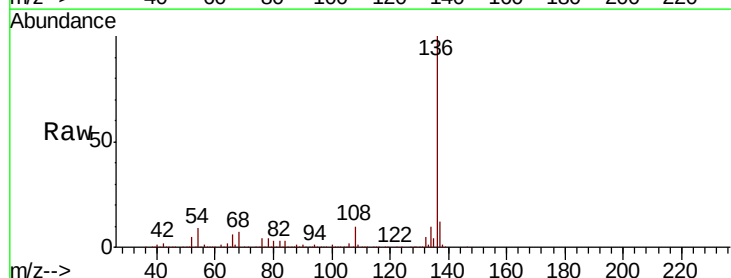
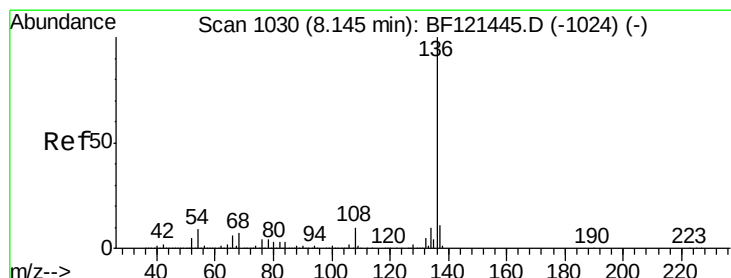
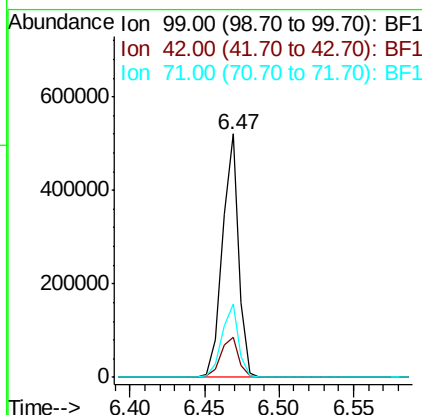
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#21

Naphthalene-d8

Concen: 20.000 ng

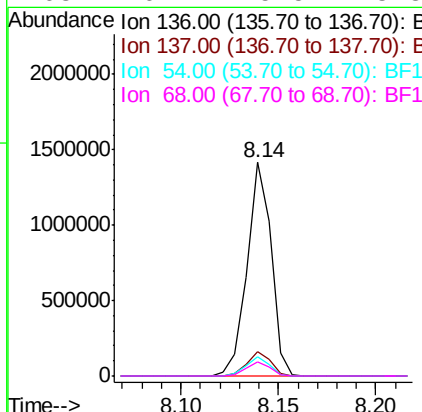
RT: 8.14 min Scan# 1029

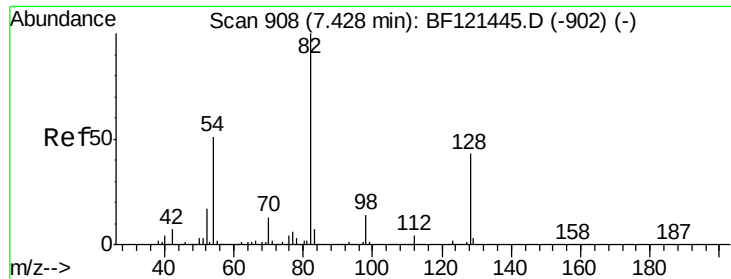
Delta R.T. -0.01 min

Lab File: BF121458.D

Acq: 28 Aug 2020 14:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		1208393		
137	11.6	9.1	13.7		
54	8.8	7.0	10.4		
68	6.7	5.5	8.3		





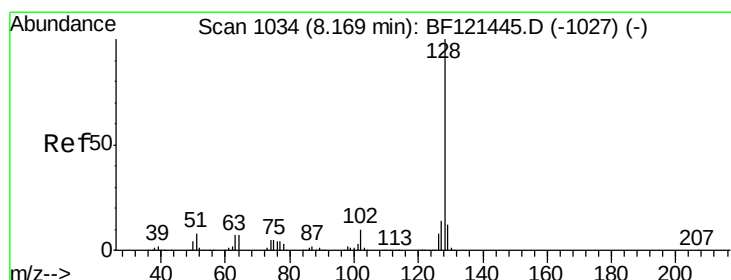
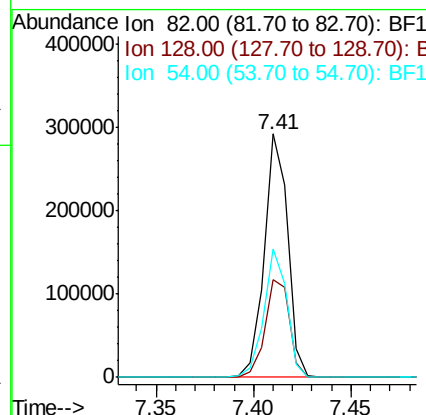
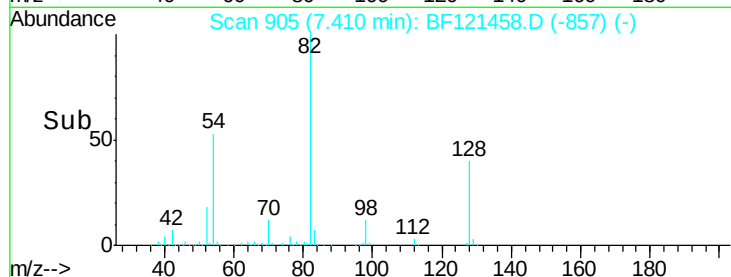
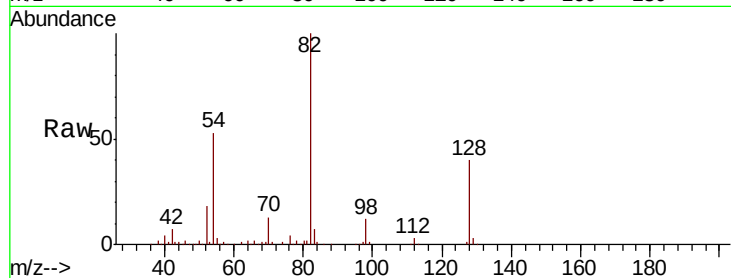
#23
Nitrobenzene-d5
Concen: 13.686 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Instrument :
BNA_F
ClientSampleId :
SU-03-082720

Tot Ion	82	Resp	241910
Ion Ratio	Lower	Upper	
82	100		
128	40.1	34.1	51.1
54	52.8	41.0	61.6

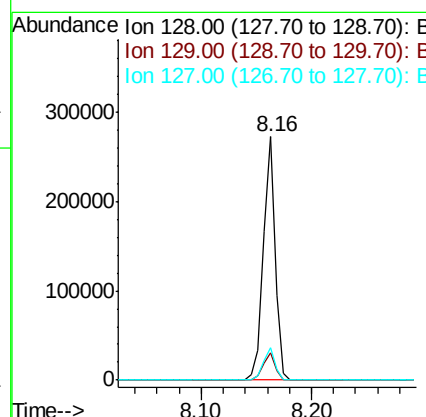
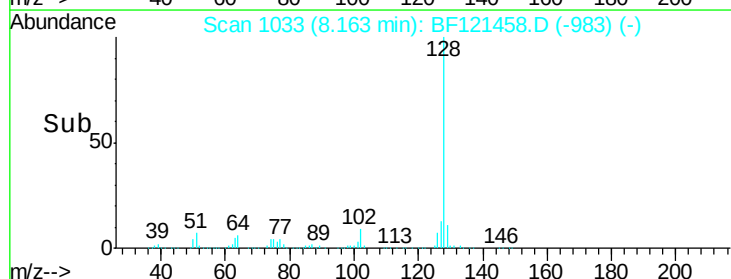
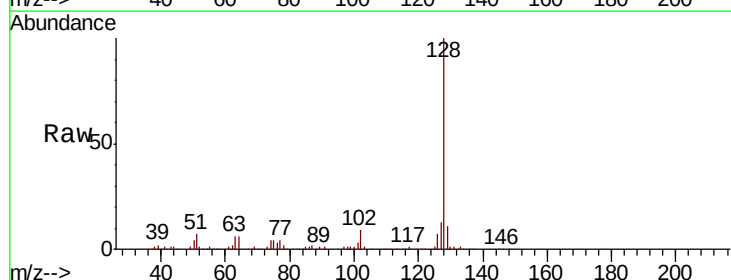
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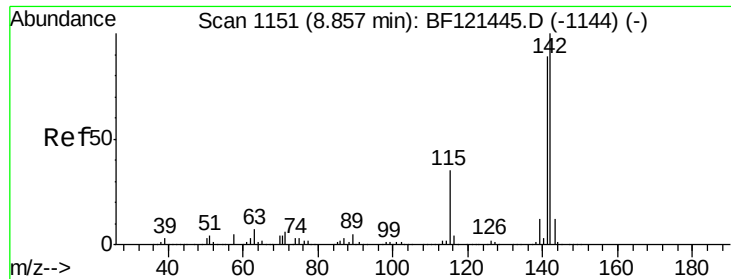
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#31
Naphthalene
Concen: 3.462 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Tgt Ion	128	Resp	207688
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.6	14.4
127	13.1	11.4	17.2





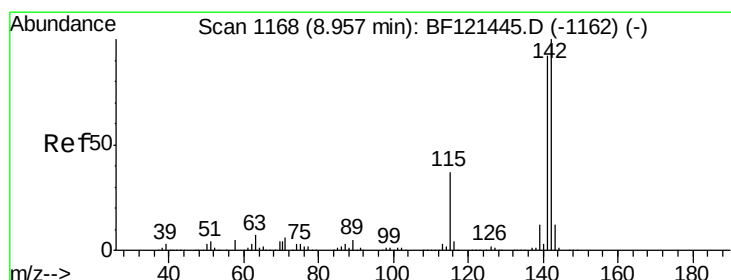
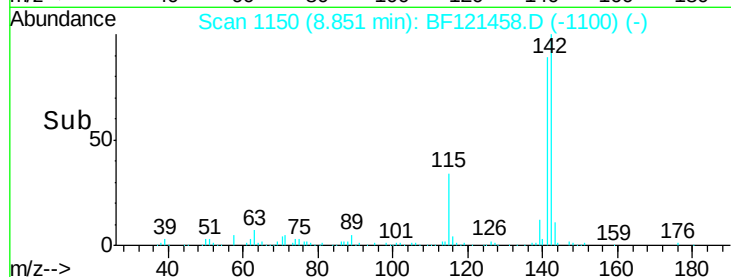
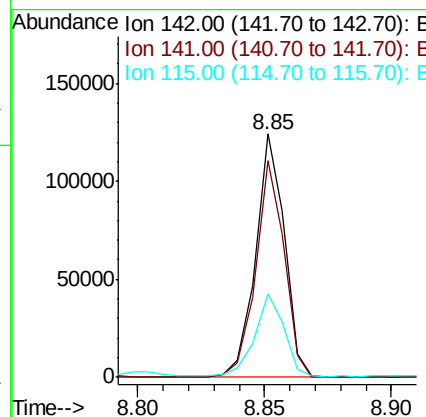
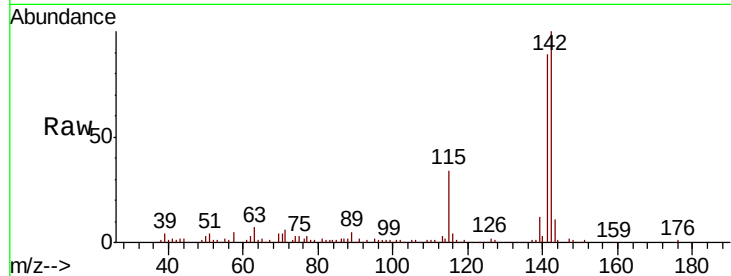
#37
2-Methylnaphthalene
Concen: 2.482 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Instrument :
BNA_F
ClientSampleId :
SU-03-082720

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.8	106.2
115	34.2	28.2	42.4

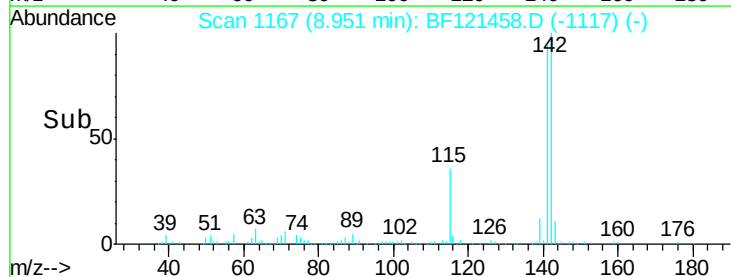
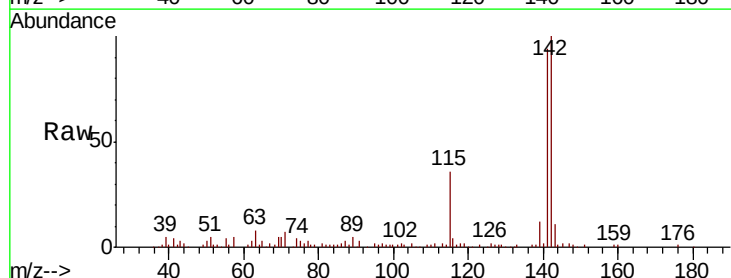
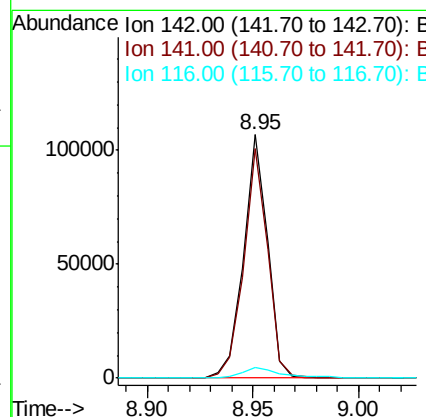
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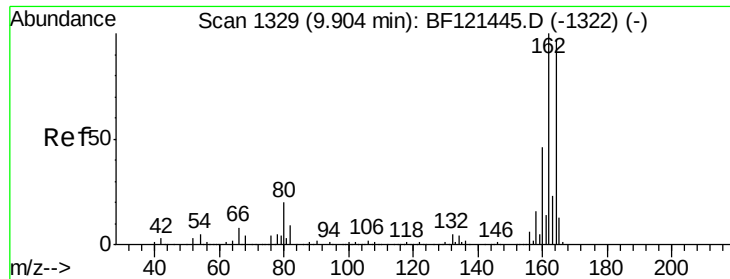
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#38
1-Methylnaphthalene
Concen: 2.215 ng
RT: 8.95 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.0	73.7	110.5
116	4.1	3.1	4.7





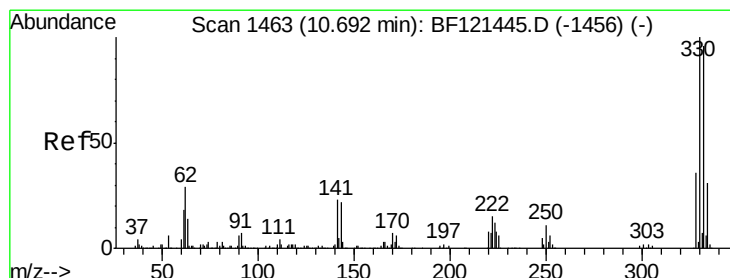
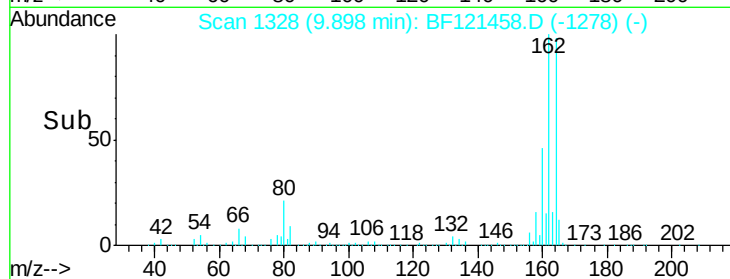
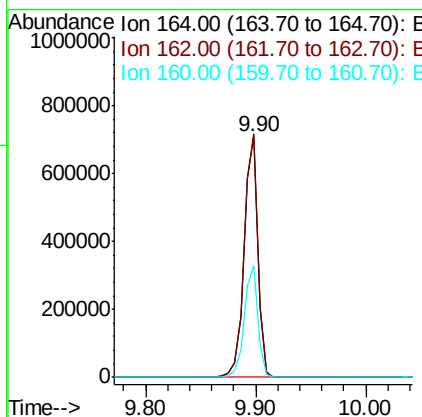
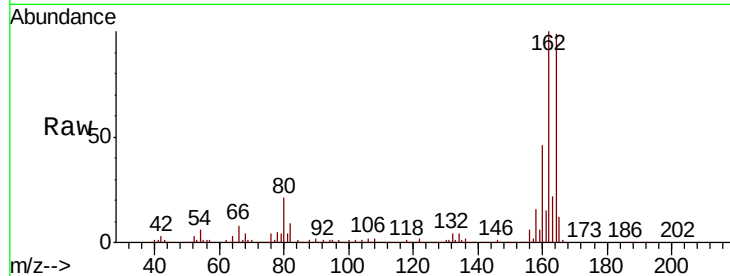
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Instrument :
BNA_F
ClientSampleId :
SU-03-082720

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.3	82.4	123.6	
160	46.5	37.6	56.4	

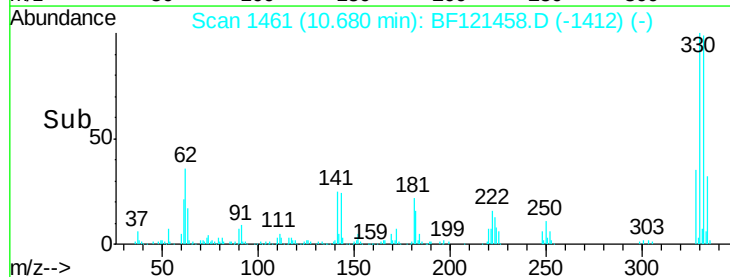
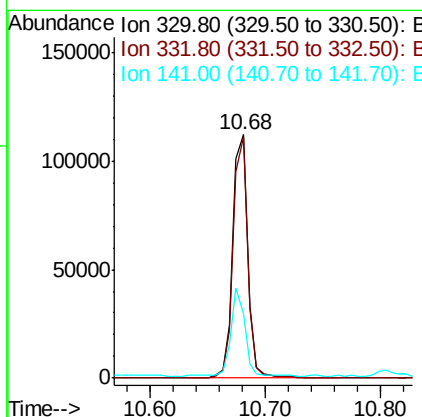
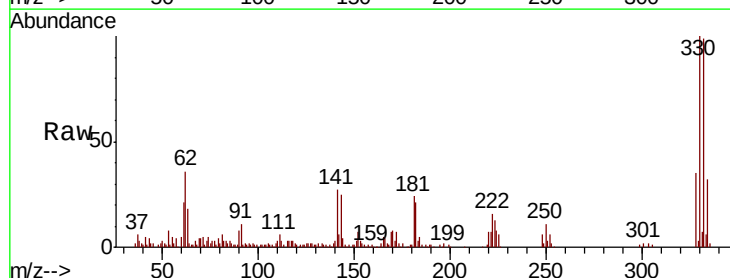
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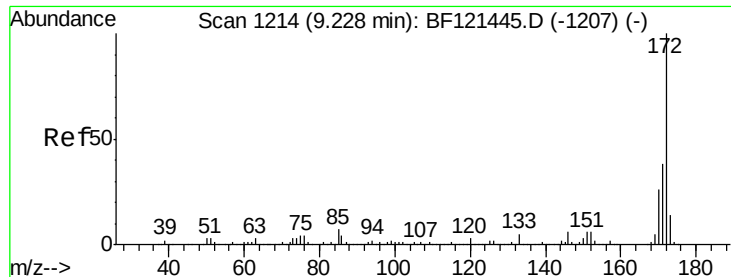
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#42
2,4,6-Tribromophenol
Concen: 16.180 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	76.2	114.2	
141	32.3	24.6	36.8	





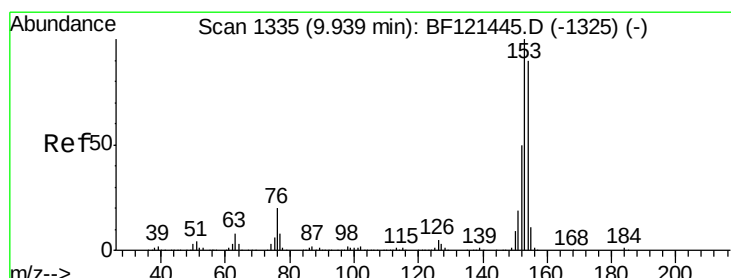
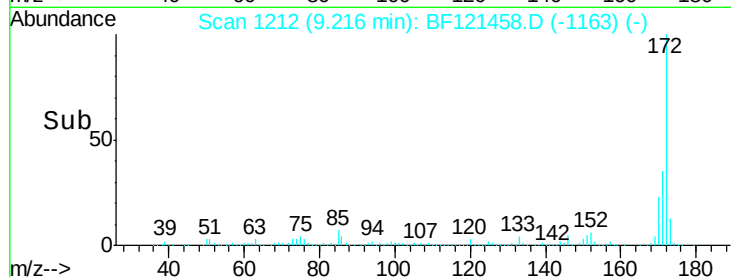
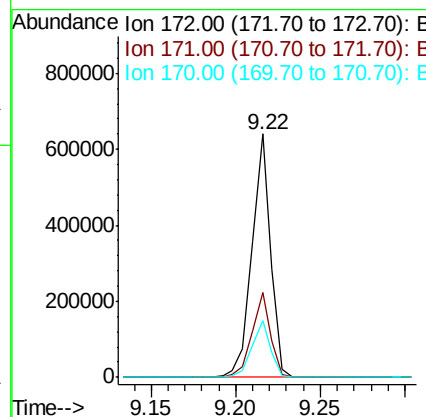
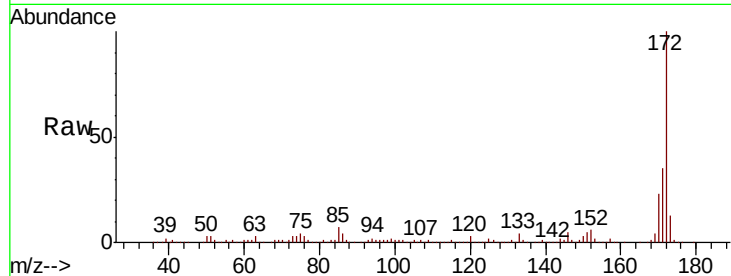
#45
2-Fluorobiphenyl
Concen: 12.913 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Instrument :
BNA_F
ClientSampleId :
SU-03-082720

Tot Ion	Ratio	Resp	Lower	Upper
172	100	497147		
171	35.1		30.6	45.8
170	23.1		20.6	31.0

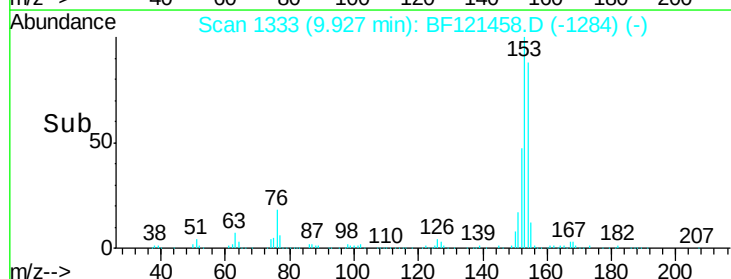
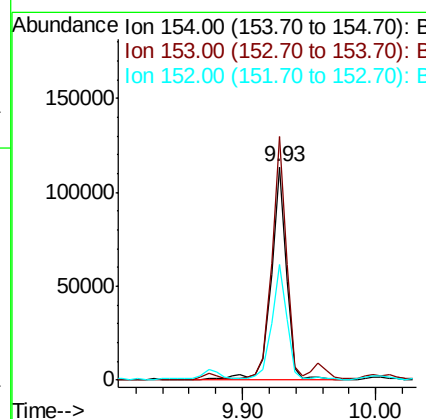
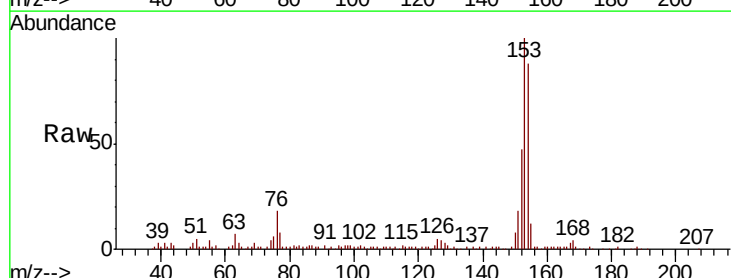
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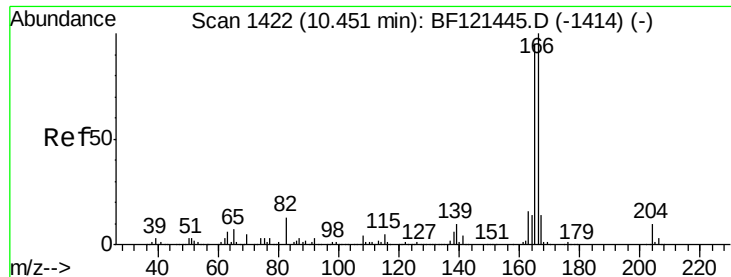
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#52
Acenaphthene
Concen: 2.496 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	91090		
153	114.3		88.9	133.3
152	54.0		44.1	66.1





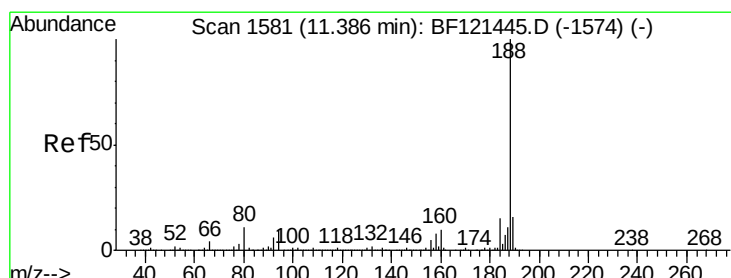
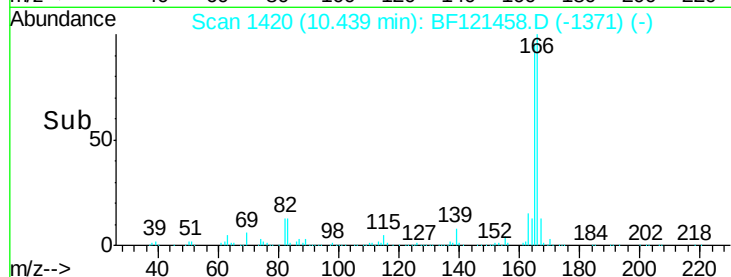
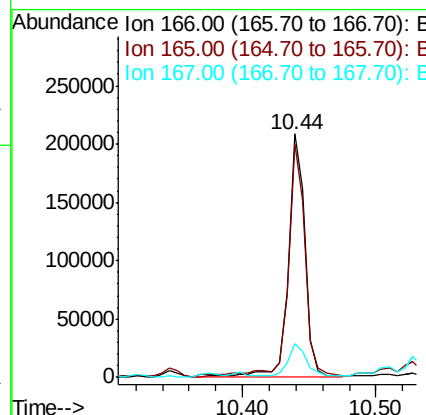
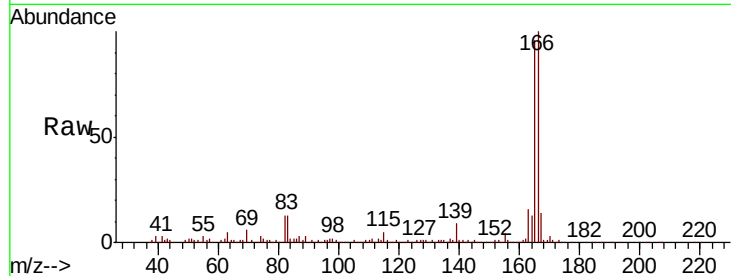
#58
Fluorene
Concen: 4.529 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Instrument :
BNA_F
ClientSampleId :
SU-03-082720

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		180994		
165	96.0	75.7	113.5		
167	14.0	11.1	16.7		

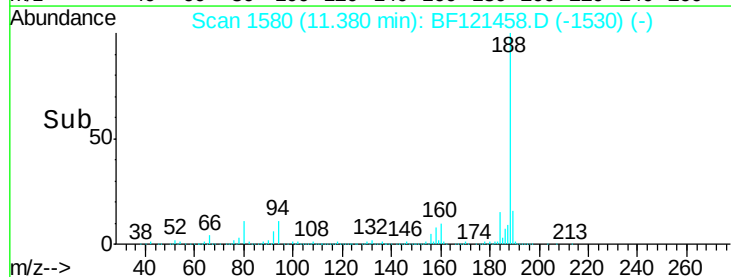
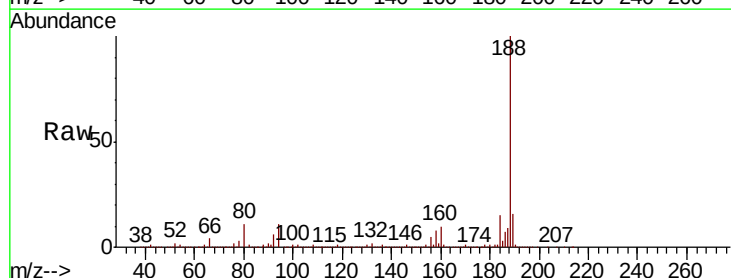
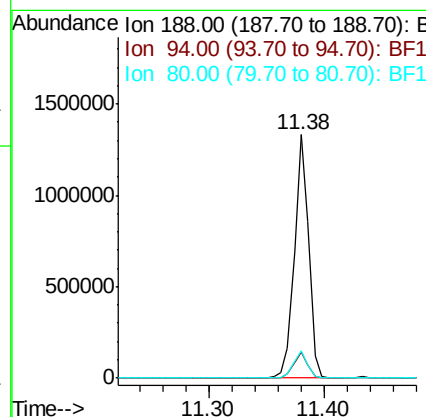
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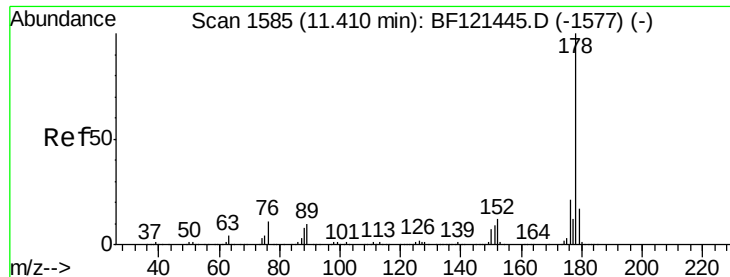
mohammad
8/31/2020 10:27:21 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		1147487		
94	10.7	8.3	12.5		
80	11.2	8.6	13.0		





#71

Phenanthrene

Concen: 18.861 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF121458.D

Acq: 28 Aug 2020 14:21

Instrument :

BNA_F

ClientSampleId :

SU-03-082720

Tot Ion:178 Resp: 1110639

Ion Ratio Lower Upper

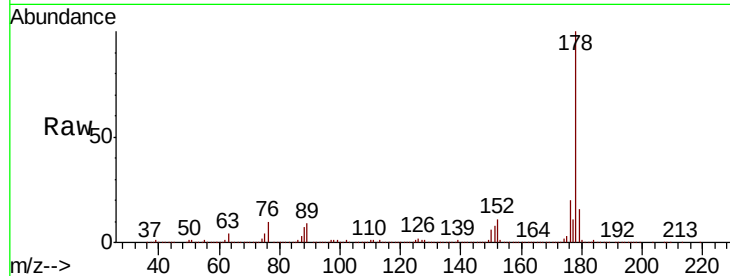
178 100

176 20.1 16.9 25.3

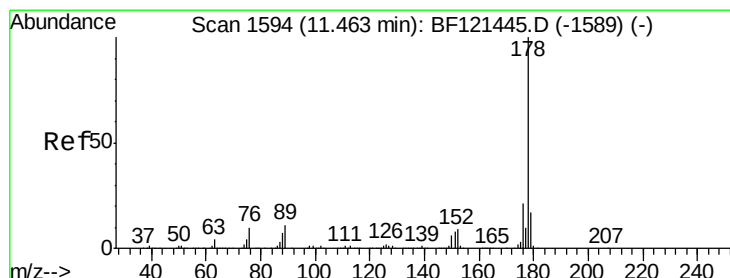
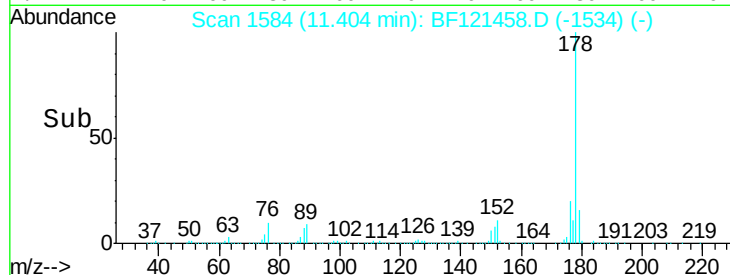
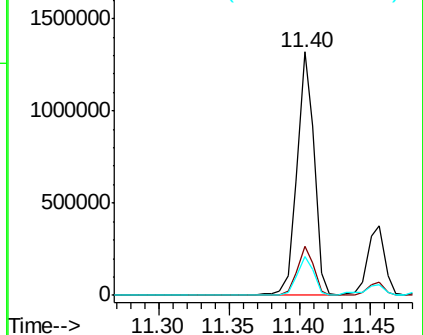
179 16.0 13.4 20.0

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



#72

Anthracene

Concen: 5.446 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF121458.D

Acq: 28 Aug 2020 14:21

Tgt Ion:178 Resp: 315414

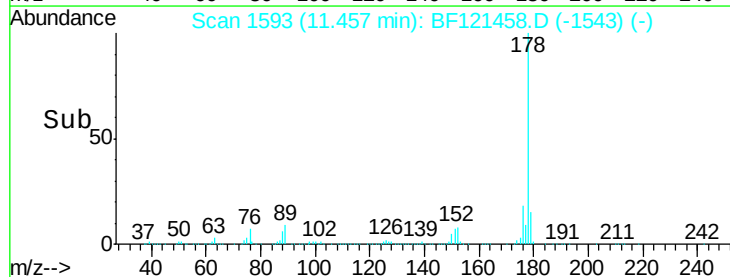
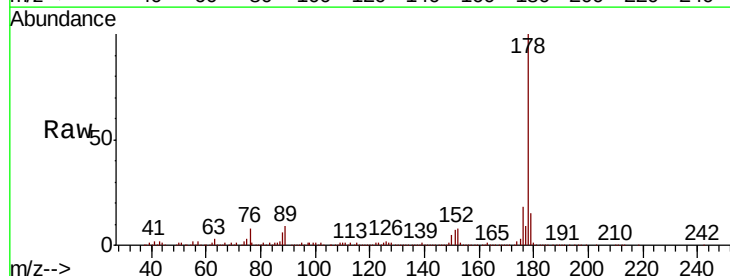
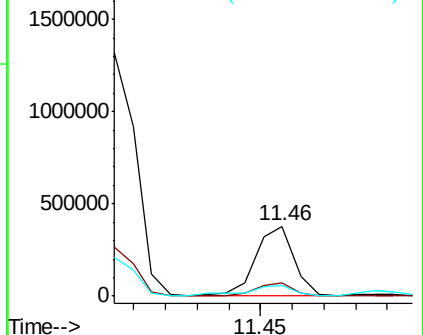
Ion Ratio Lower Upper

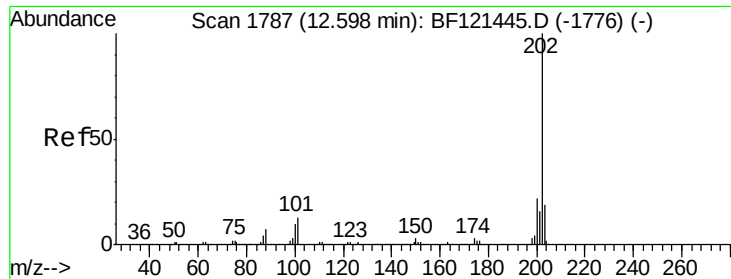
178 100

176 18.5 16.7 25.1

179 15.4 13.4 20.2

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





#75

Fluoranthene

Concen: 19.768 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF121458.D

Acq: 28 Aug 2020 14:21

Instrument :

BNA_F

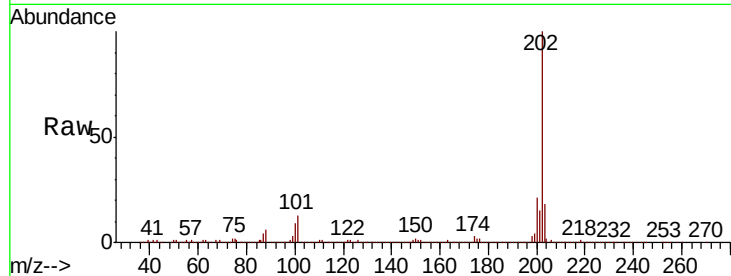
ClientSampleId :

SU-03-082720

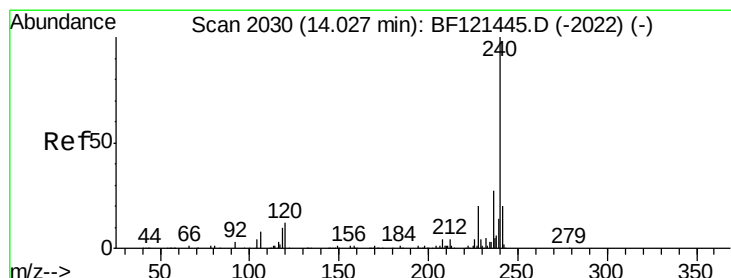
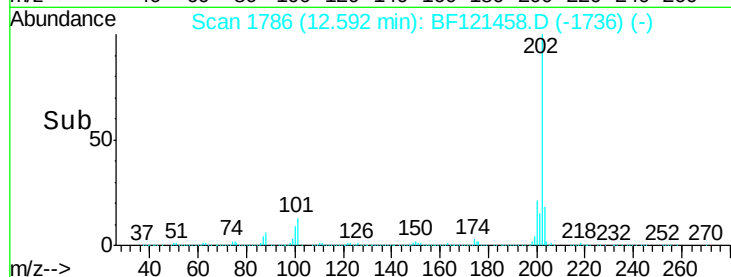
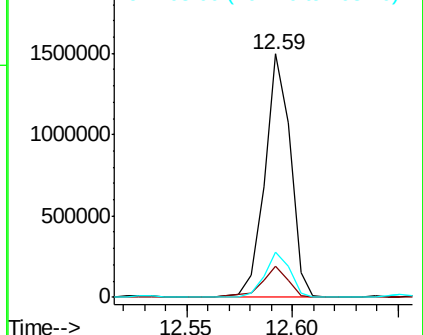
Tot Ion:	202	Resp:	1254595
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.3
203	18.4	0.0	39.1

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Abundance Ion 202.00 (201.70 to 202.70): E
2000000 Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

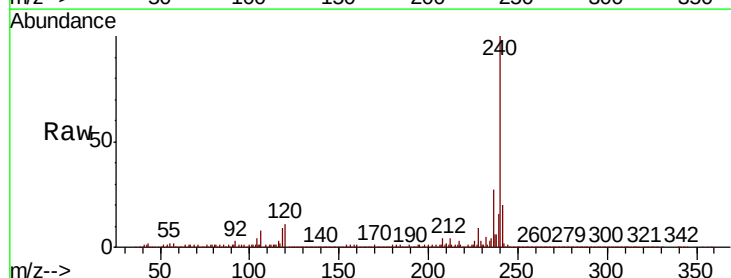
RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

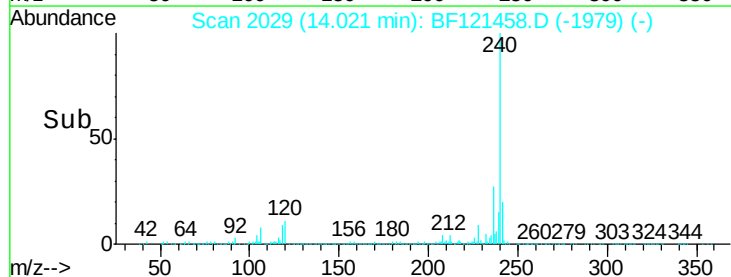
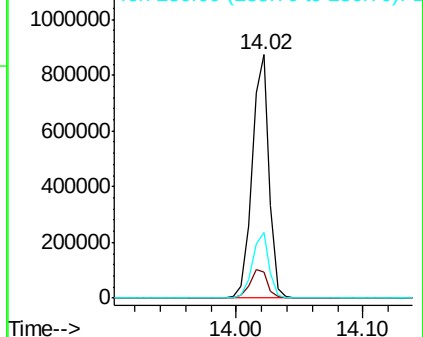
Lab File: BF121458.D

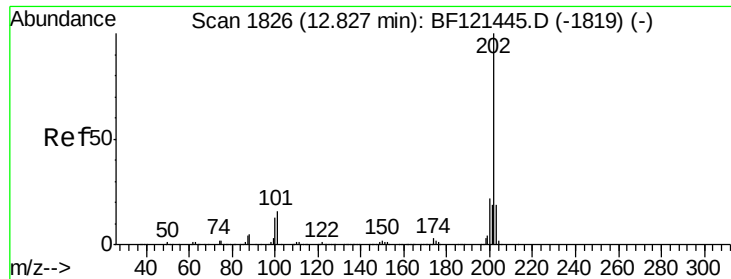
Acq: 28 Aug 2020 14:21

Tgt Ion:	240	Resp:	811195
Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.5	14.3
236	26.9	21.8	32.6



Abundance Ion 240.00 (239.70 to 240.70): E
1200000 Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





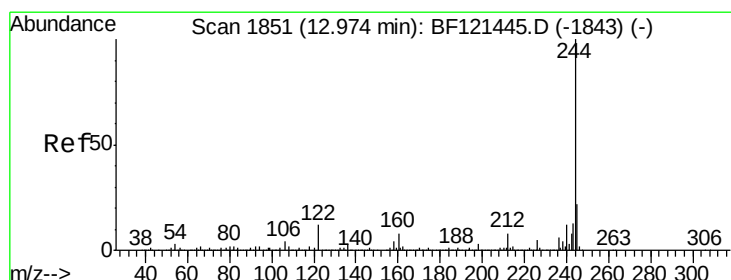
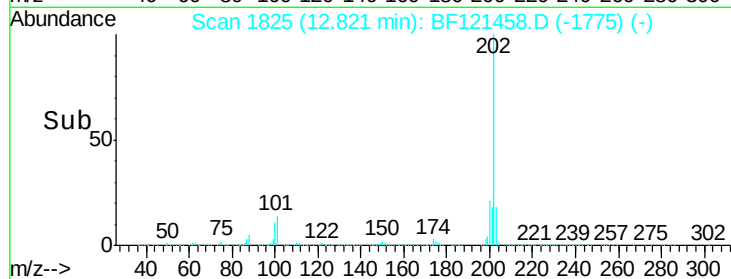
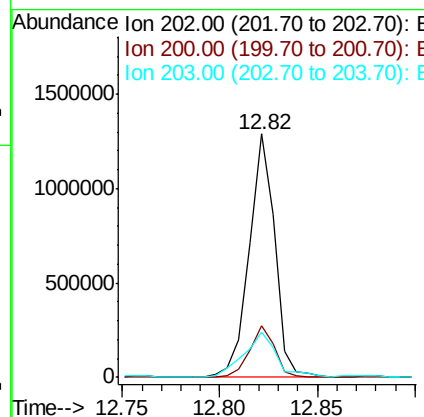
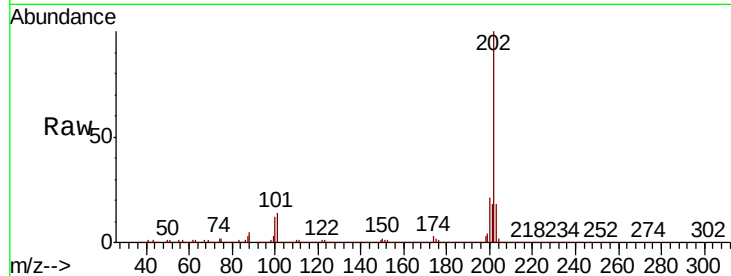
#78
Pvrene
Concen: 20.011 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Instrument :
BNA_F
ClientSampleId :
SU-03-082720

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	18.0	27.0
203	18.5	15.3	22.9

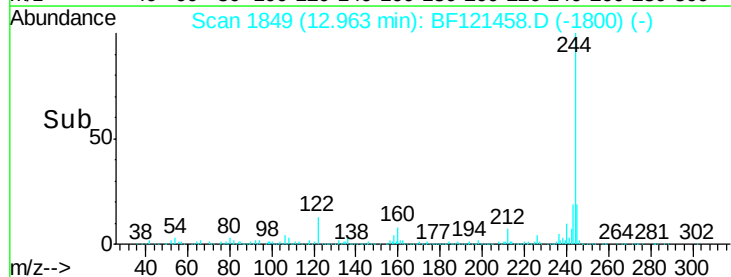
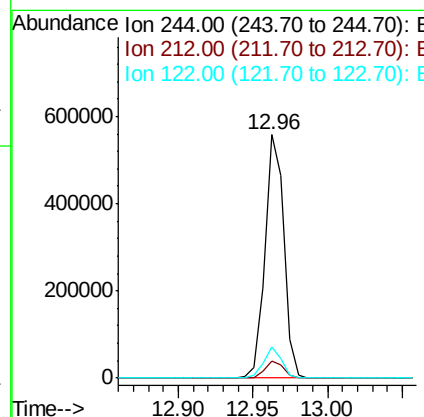
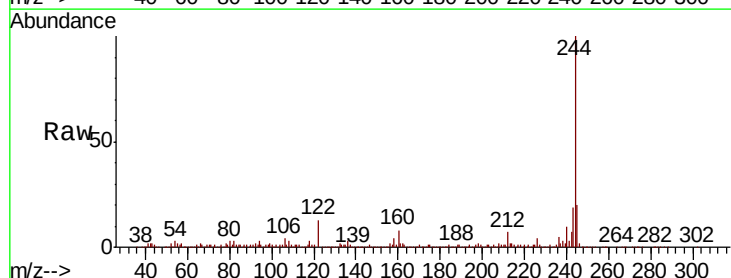
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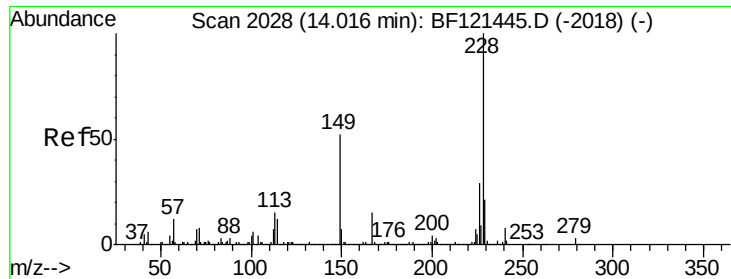
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#79
Terphenyl-d14
Concen: 12.428 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.3	9.5
122	12.7	9.5	14.3





#81

Benzo(a)anthracene

Concen: 10.644 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF121458.D

Acq: 28 Aug 2020 14:21

Instrument :

BNA_F

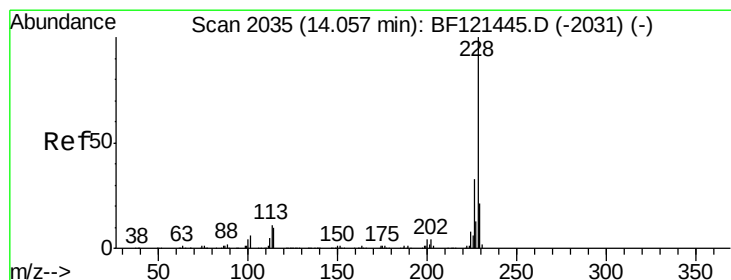
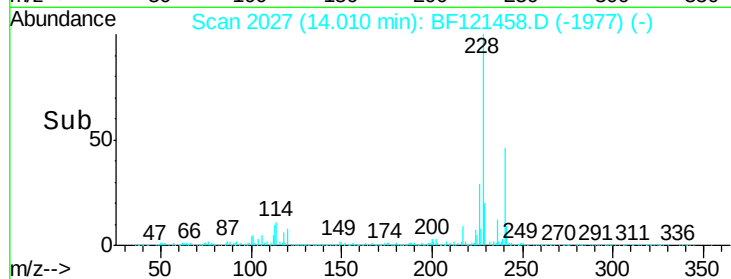
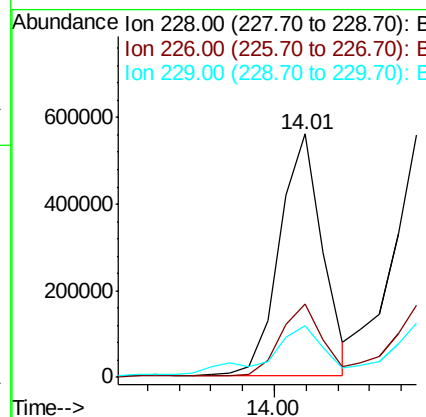
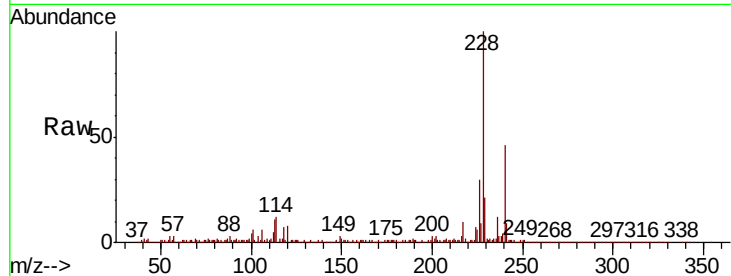
ClientSampleId :

SU-03-082720

Tot Ion:	228	Resp:	527101
Ion Ratio	Lower	Upper	
228	100		
226	29.9	23.0	34.4
229	21.0	16.6	24.8

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#83

Chrysene

Concen: 10.537 ng m

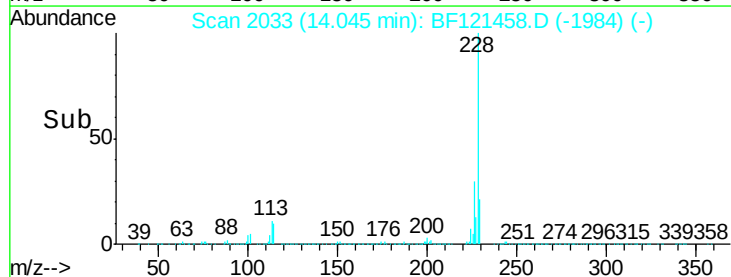
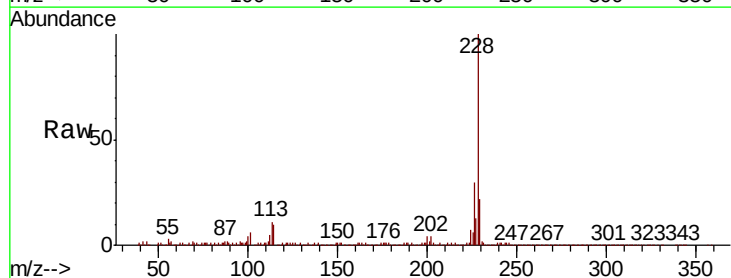
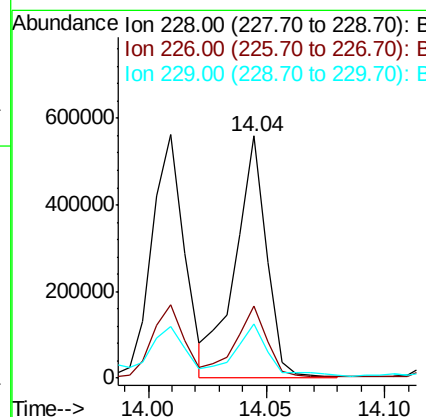
RT: 14.04 min Scan# 2033

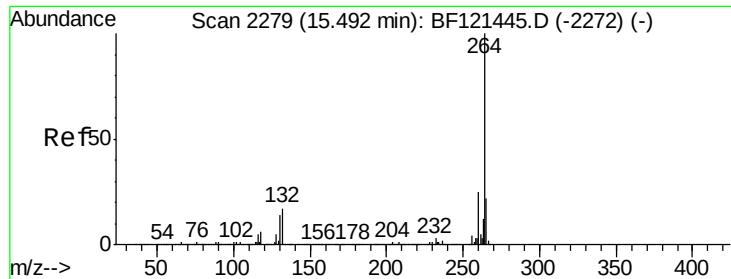
Delta R.T. -0.01 min

Lab File: BF121458.D

Acq: 28 Aug 2020 14:21

Tgt Ion:	228	Resp:	522006
Ion Ratio	Lower	Upper	
228	100		
226	30.1	26.2	39.2
229	22.4	16.6	25.0





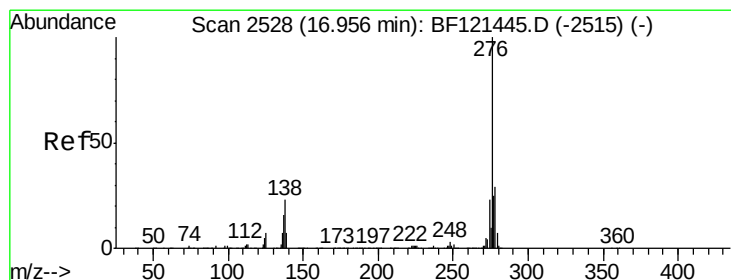
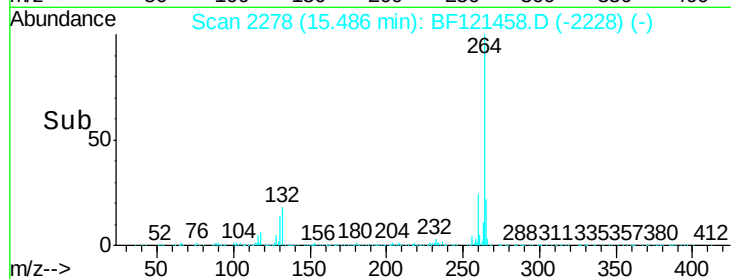
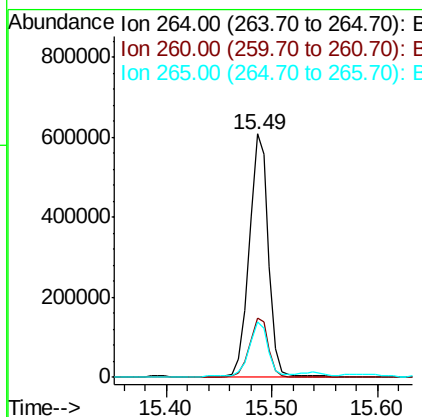
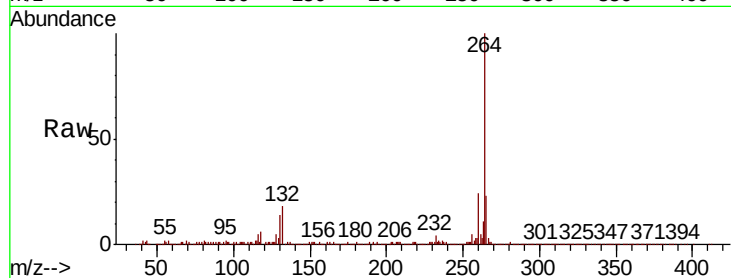
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Instrument :
BNA_F
ClientSampleId :
SU-03-082720

Tot Ion:	264	Resp:	764319
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.6	29.4
265	22.6	17.8	26.6

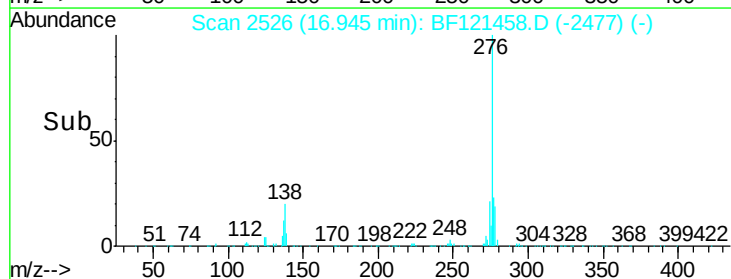
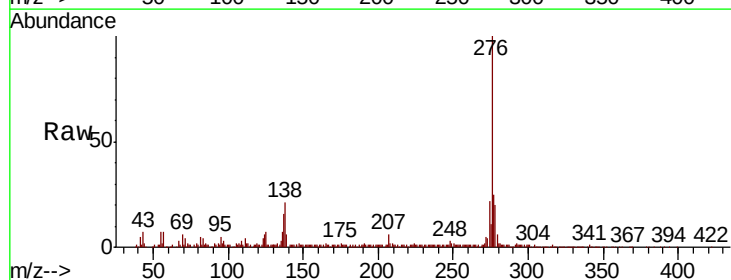
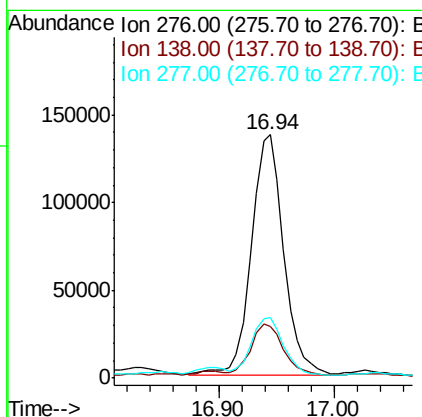
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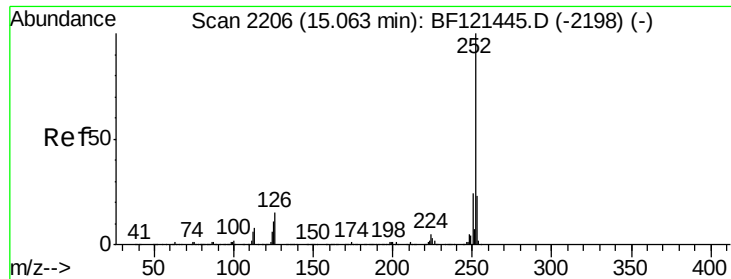
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 5.712 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Tgt Ion:	276	Resp:	268635
Ion Ratio	Lower	Upper	
276	100		
138	21.7	20.6	31.0
277	24.4	20.5	30.7





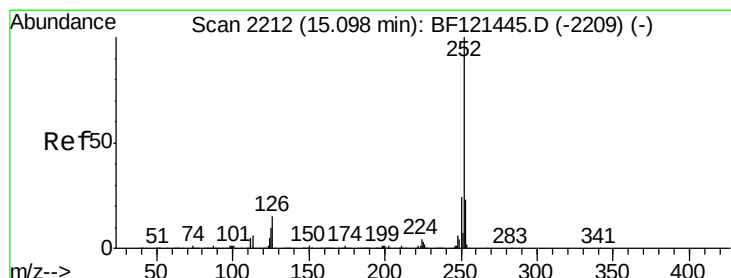
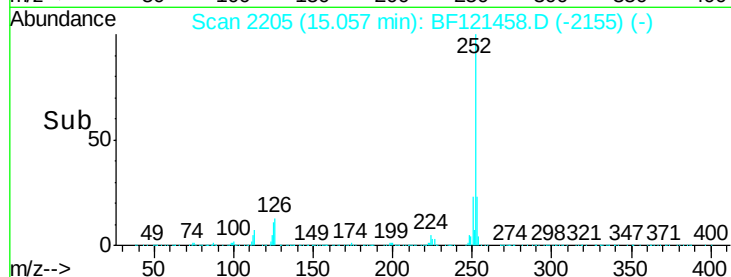
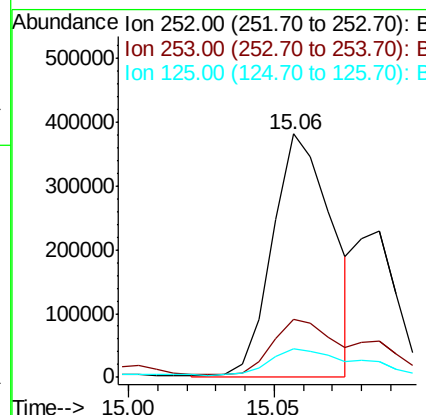
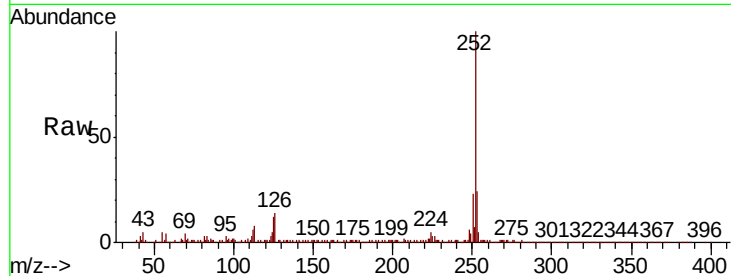
#88
Benzo(b)fluoranthene
Concen: 10.975 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Instrument :
BNA_F
ClientSampleId :
SU-03-082720

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.3	27.5
125	11.6	9.2	13.8

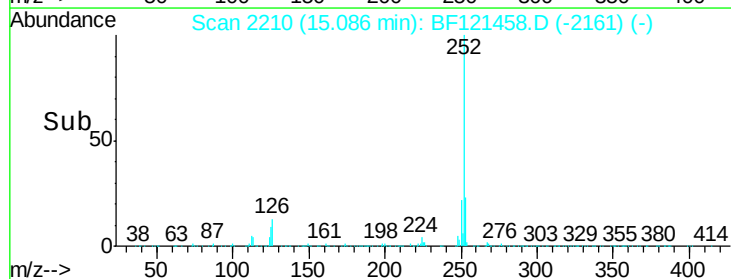
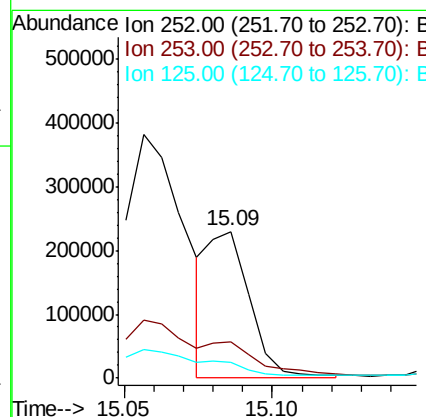
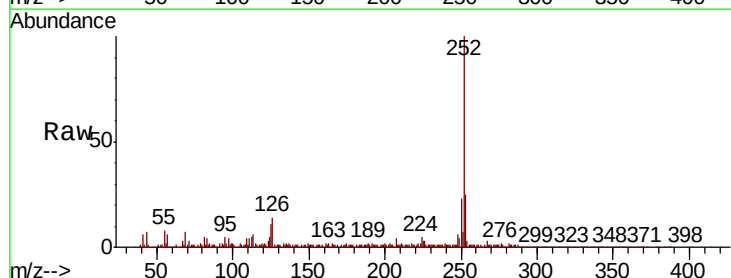
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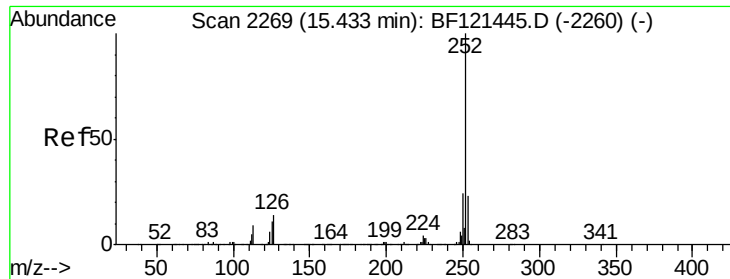
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#89
Benzo(k)fluoranthene
Concen: 4.893 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.3	27.5
125	10.8	8.5	12.7





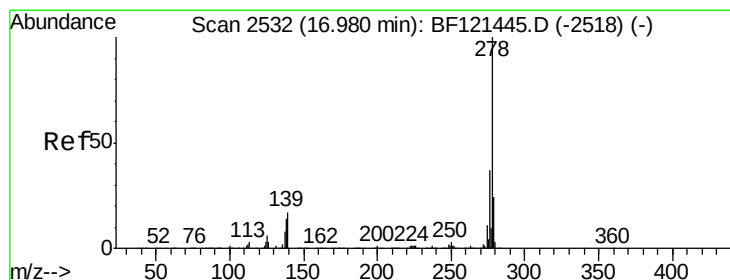
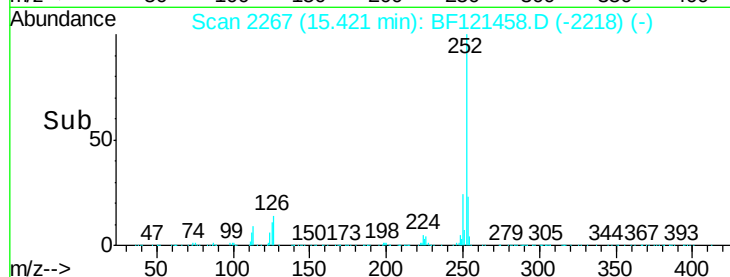
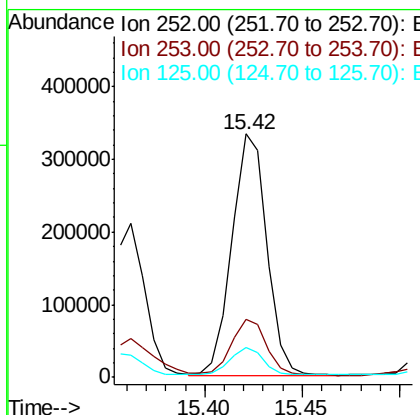
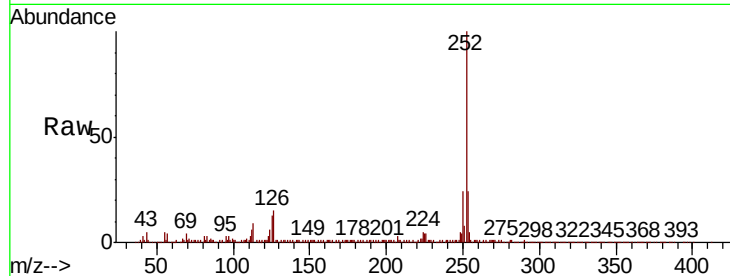
#90
Benzo(a)pyrene
Concen: 9.314 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Instrument :
BNA_F
ClientSampleId :
SU-03-082720

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	12.5	9.0	13.4

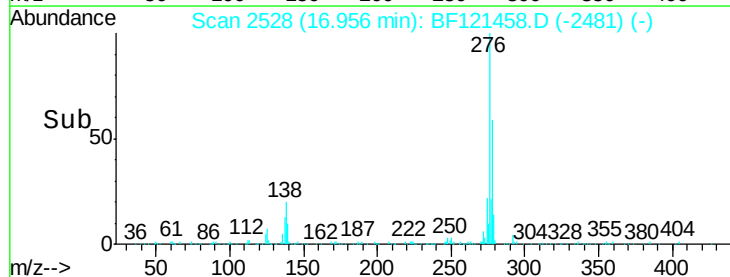
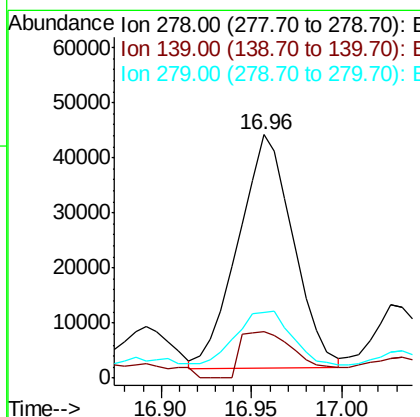
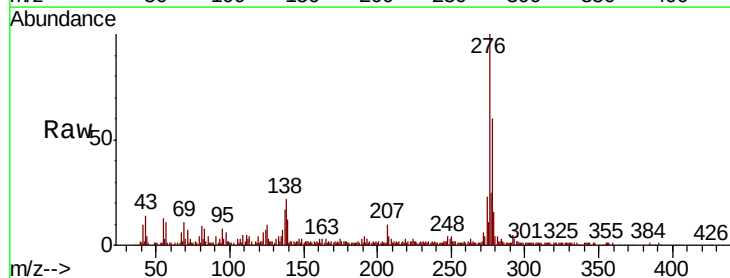
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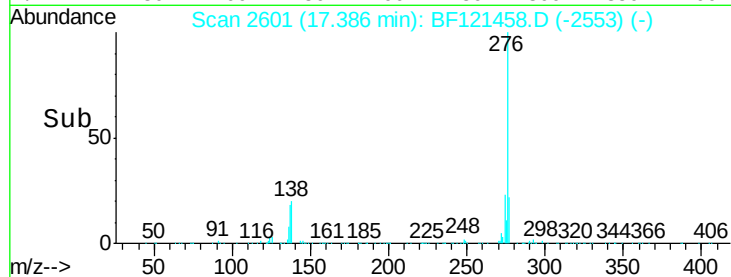
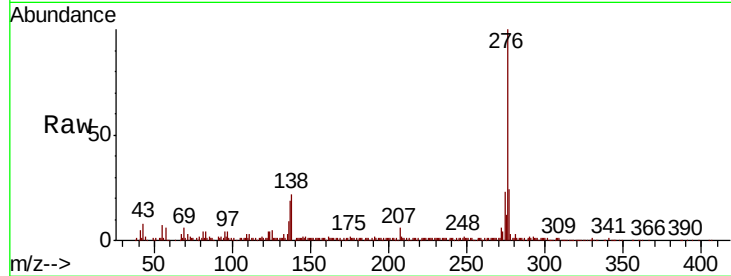
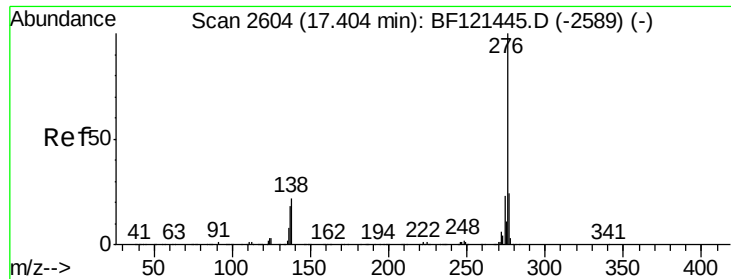
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#91
Dibenzo(a,h)anthracene
Concen: 2.323 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF121458.D
Acq: 28 Aug 2020 14:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.3	13.3	19.9
279	27.2	19.4	29.0





#92
 Benzo(a,h,i)perylene
 Concen: 6.854 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.02 min
 Lab File: BF121458.D
 Acq: 28 Aug 2020 14:21

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-082720

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.6	18.9	28.3
138	22.1	17.4	26.0

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