

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120657.D
 Acq On : 18 Jun 2020 22:22
 Operator : JU/CG
 Sample : L2818-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-061720

Manual Integrations
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Quant Time: Jun 19 02:06:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	139085	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	525966	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	266767	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	507260	20.00	ng	0.00
76) Chrysene-d12	13.96	240	417430	20.00	ng	0.00
86) Perylene-d12	15.41	264	357935	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	321678	39.65	ng	0.00
7) Phenol-d6	6.44	99	392145	38.81	ng	0.00
23) Nitrobenzene-d5	7.36	82	216512	23.01	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	118553	38.22	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	504243	28.92	ng	0.00
79) Terphenyl-d14	12.90	244	610074	32.28	ng	0.00
Target Compounds						
71) Phenanthrene	11.35	178	96554	3.829	ng	98
75) Fluoranthene	12.53	202	268084	9.299	ng	99
78) Pyrene	12.76	202	219542	7.424	ng	98
81) Benzo(a)anthracene	13.95	228	107738	4.296	ng	100
83) Chrysene	13.99	228	126977	4.936	ng	96
87) Indeno(1,2,3-cd)pyrene	16.83	276	51127	2.348	ng	97
88) Benzo(b)fluoranthene	14.99	252	154225m	7.233	ng	
90) Benzo(a)pyrene	15.34	252	78286	4.103	ng	# 94
92) Benzo(g,h,i)perylene	17.26	276	48626	2.763	ng	# 89

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

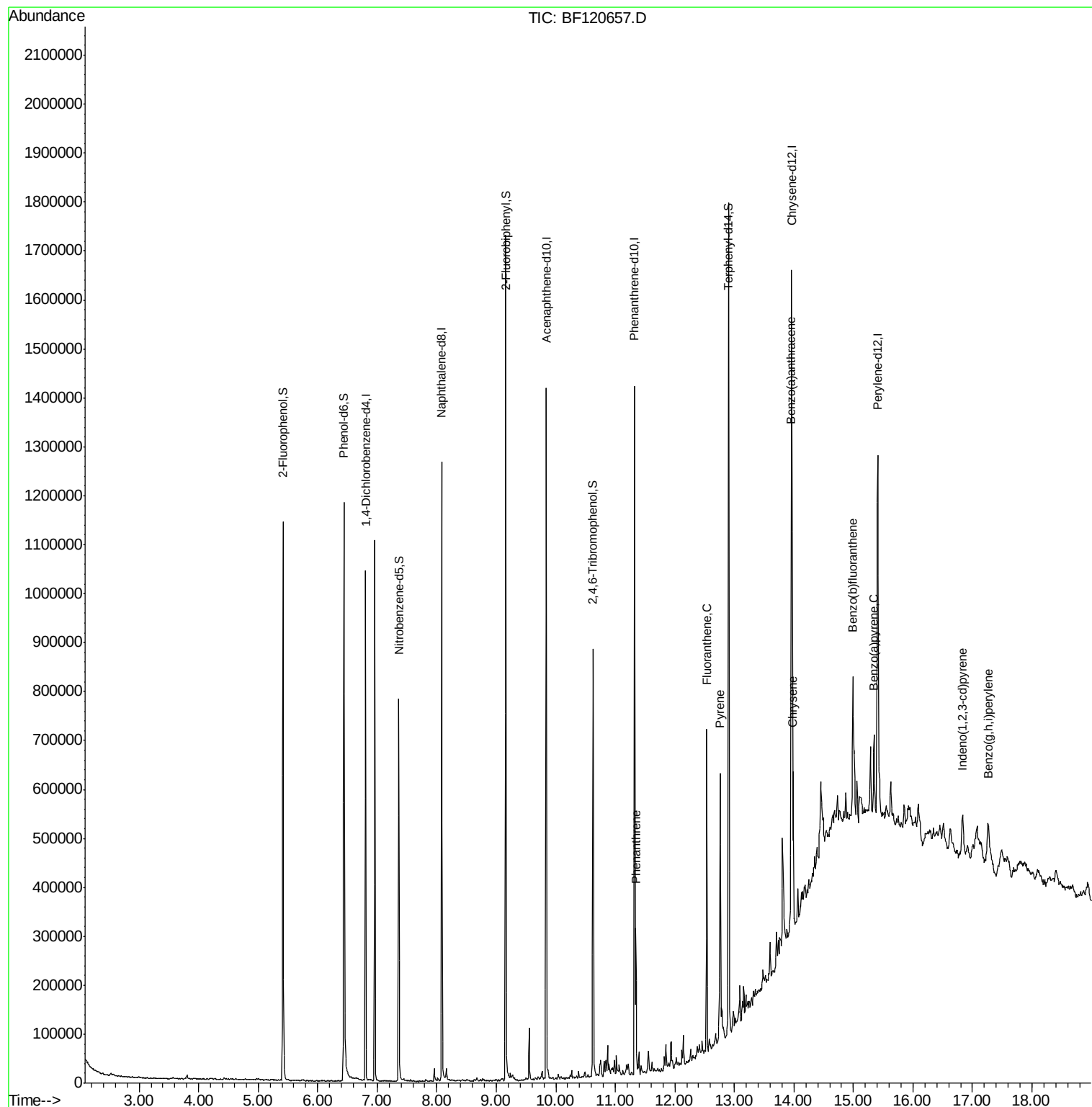
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
Data File : BF120657.D
Acq On : 18 Jun 2020 22:22
Operator : JU/CG
Sample : L2818-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

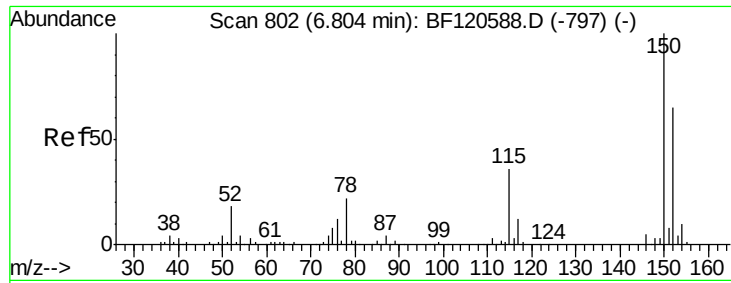
Instrument :
BNA_F
ClientSampleId :
TR-05-061720

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 11 11:28:22 2020
Response via : Initial Calibration





#1

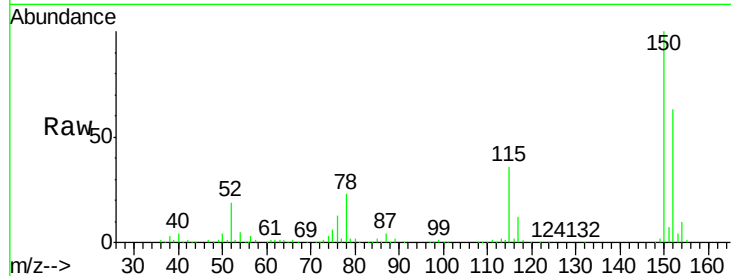
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Instrument :
BNA_F
ClientSampleId :
TR-05-061720

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	123.2	184.8
115	58.0	43.9	65.9

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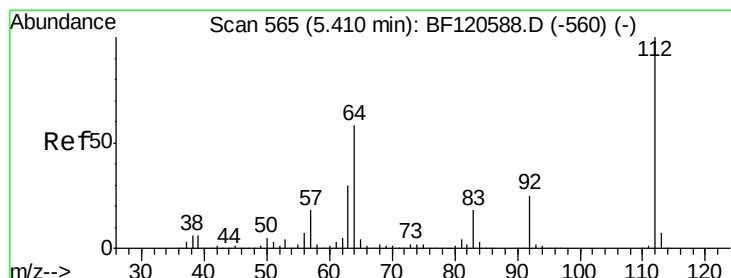
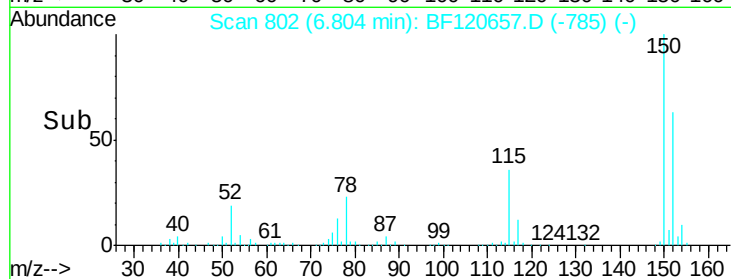
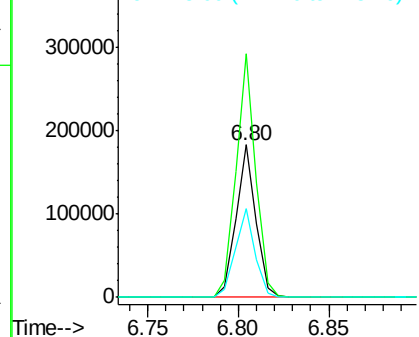


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

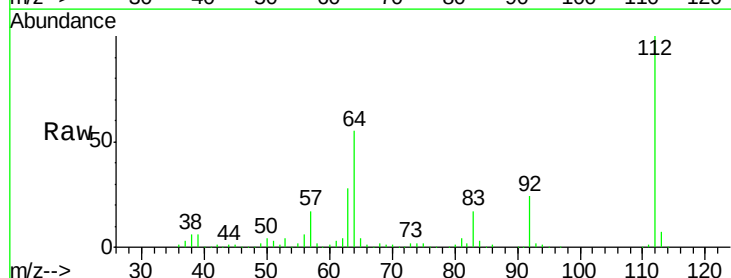
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 39.652 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	46.1	69.1
63	28.2	23.7	35.5

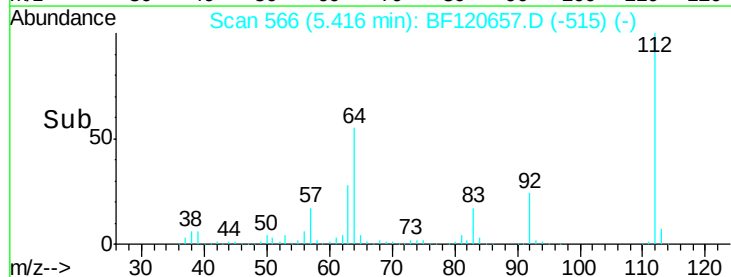
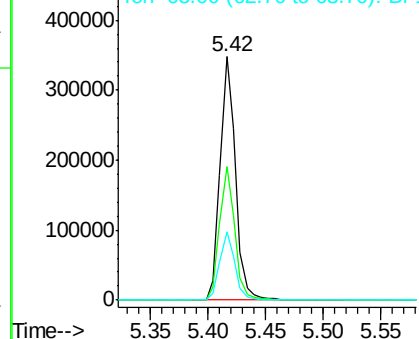


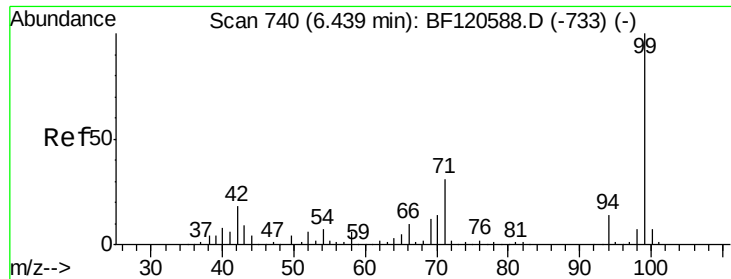
Abundance

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: 38.810 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Instrument :

BNA_F

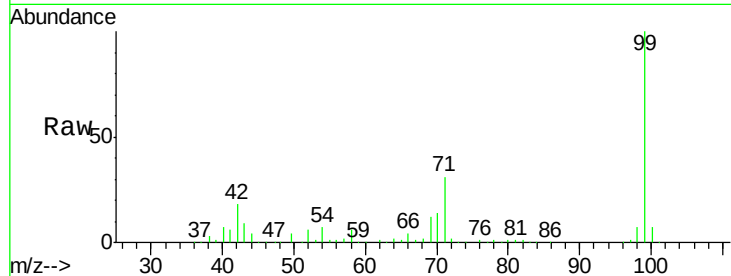
ClientSampleId :

TR-05-061720

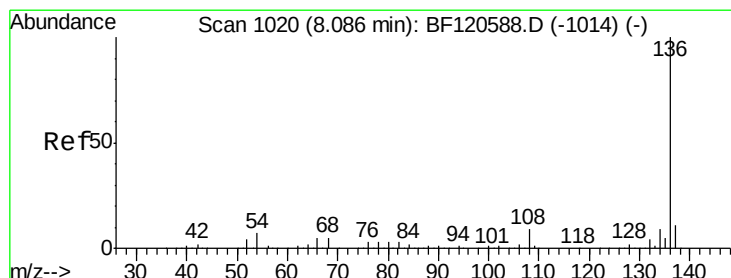
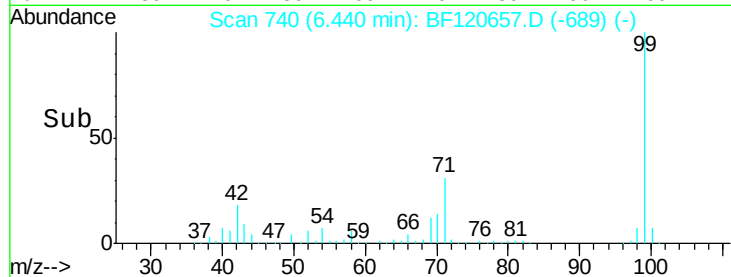
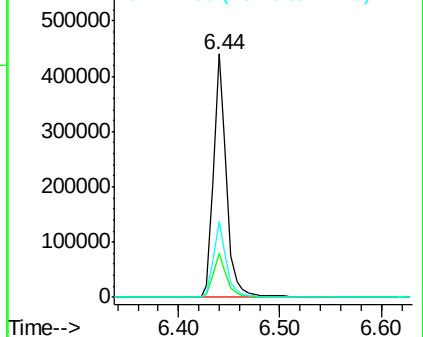
Tot Ion:	99	Resp:	392145
Ion Ratio	Lower	Upper	
99	100		
42	17.9	14.0	21.0
71	31.2	24.9	37.3

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

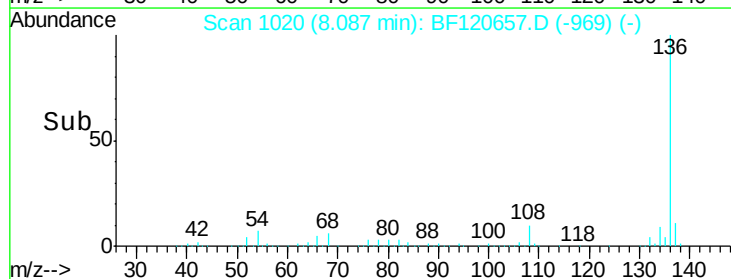
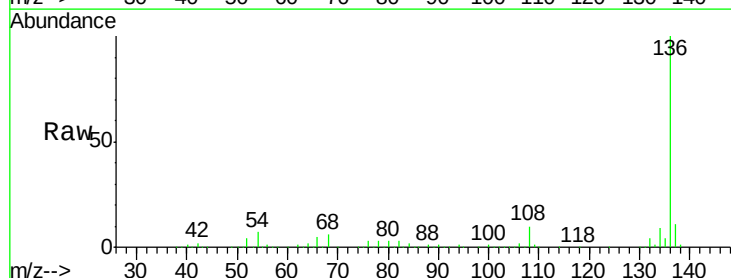
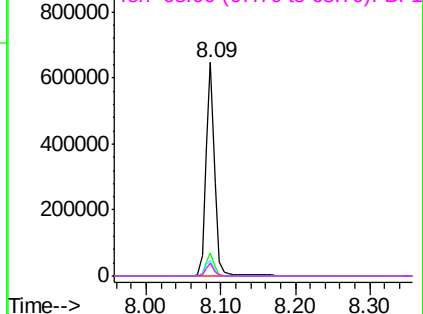
Delta R.T. 0.00 min

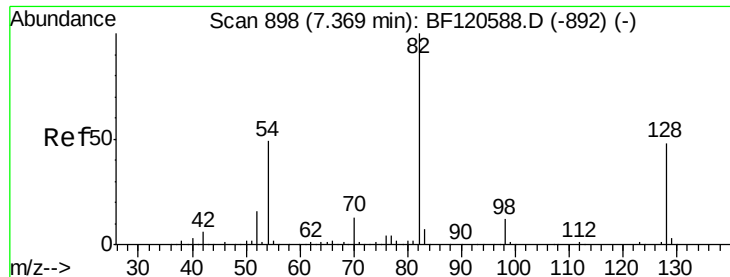
Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Tgt Ion:	136	Resp:	525966
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	7.3	5.8	8.6
68	5.7	4.4	6.6

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





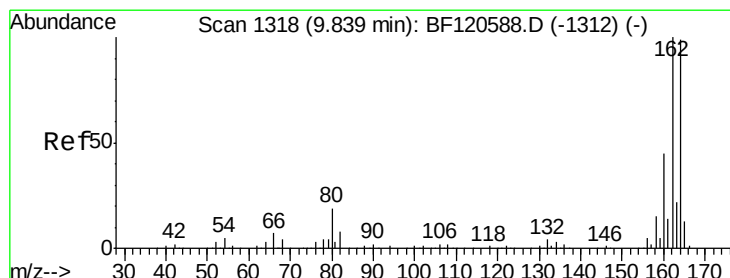
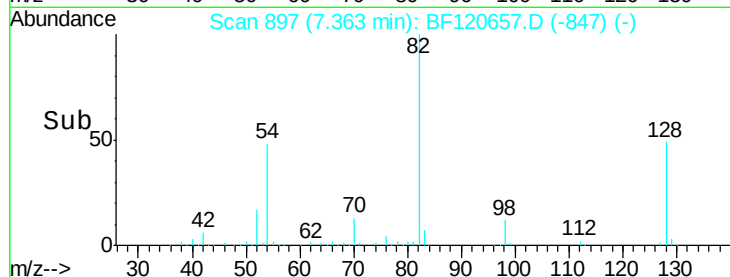
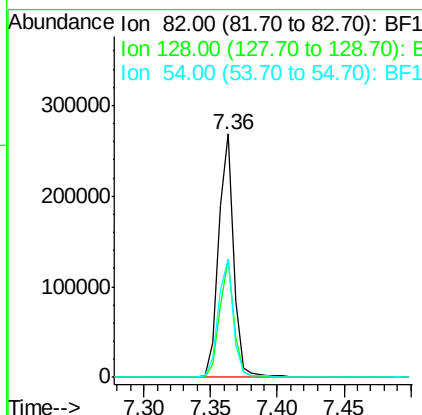
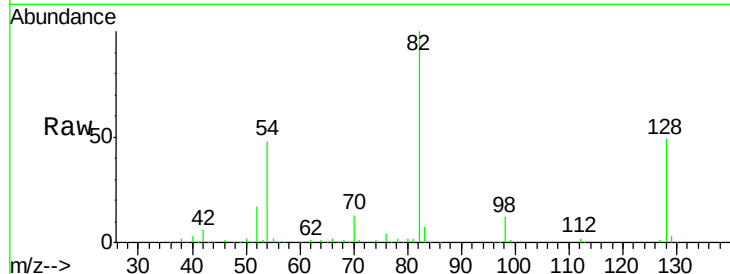
#23
Nitrobenzene-d5
Concen: 23.010 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Instrument :
BNA_F
ClientSampleId :
TR-05-061720

Tot Ion	82	Resp	216512
Ion Ratio	Lower	Upper	
82	100		
128	48.7	38.0	57.0
54	48.3	38.8	58.2

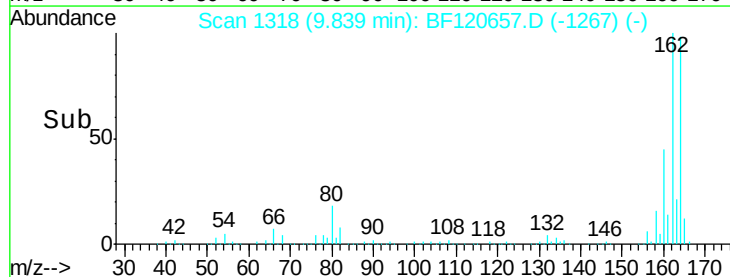
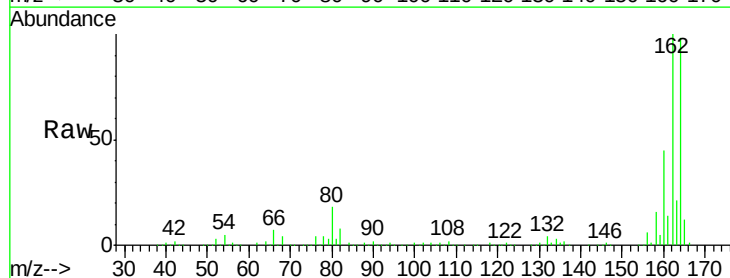
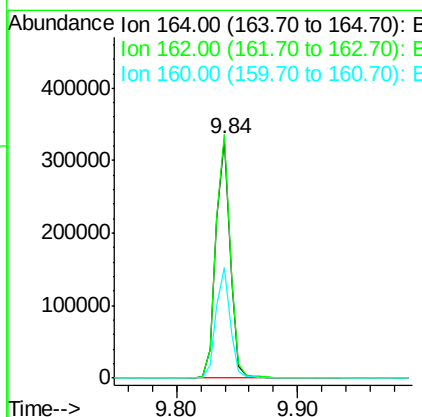
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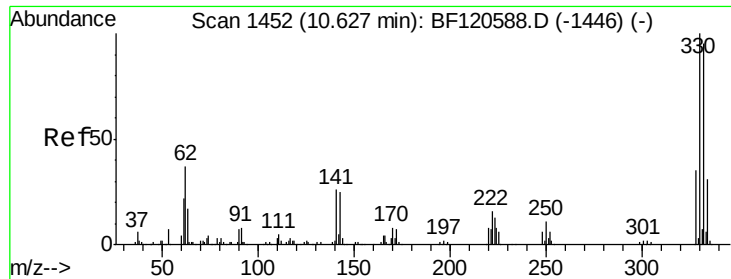
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Tgt Ion	164	Resp	266767
Ion Ratio	Lower	Upper	
164	100		
162	101.8	80.6	120.8
160	46.1	36.2	54.2





#42

2,4,6-Tribromophenol

Concen: 38.224 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.00 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Instrument :

BNA_F

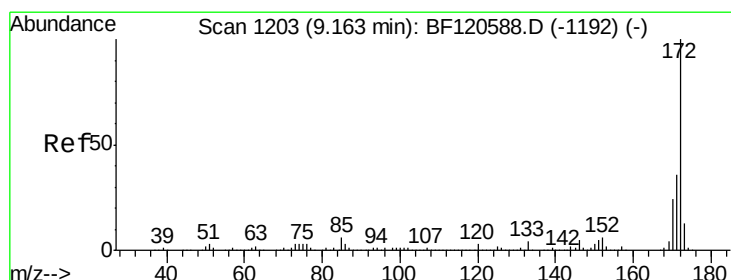
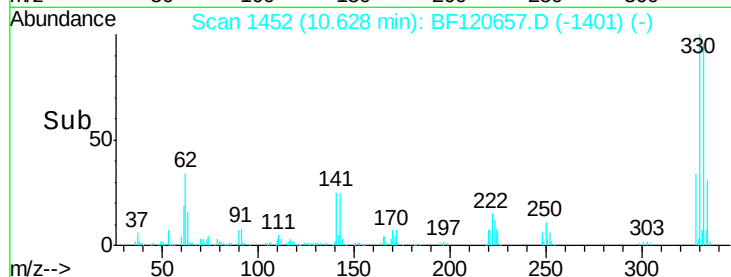
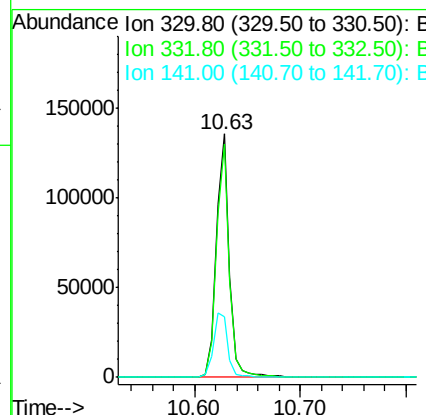
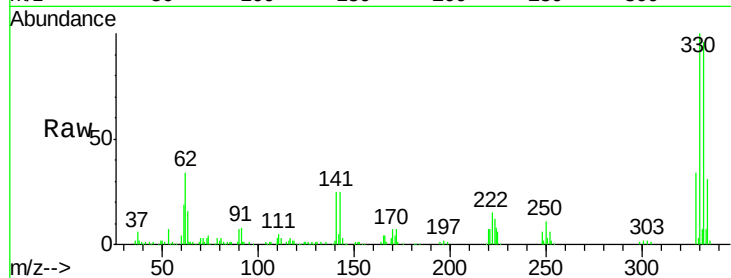
ClientSampleId :

TR-05-061720

Tot Ion:	330	Resp:	118553
Ion Ratio	Lower	Upper	
330	100		
332	95.2	76.8	115.2
141	29.6	23.2	34.8

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#45

2-Fluorobiphenyl

Concen: 28.920 ng

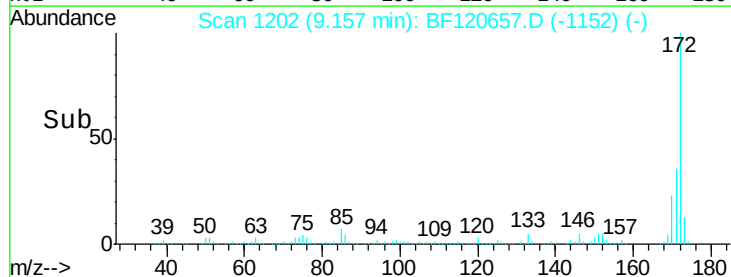
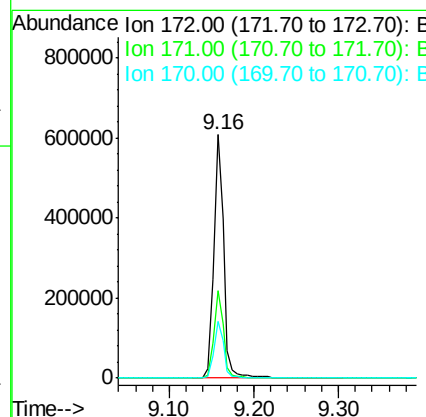
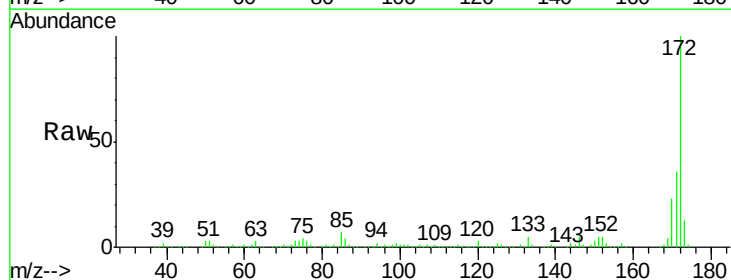
RT: 9.16 min Scan# 1202

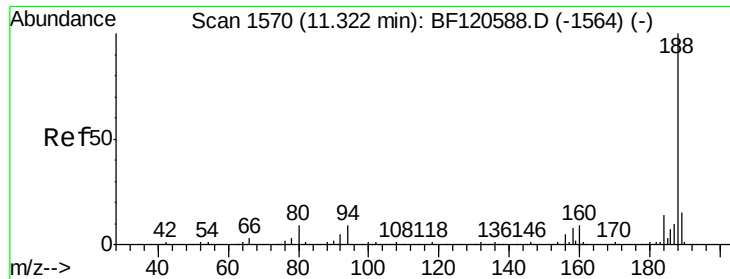
Delta R.T. -0.01 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Tgt Ion:	172	Resp:	504243
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.0	43.4
170	23.1	19.4	29.2





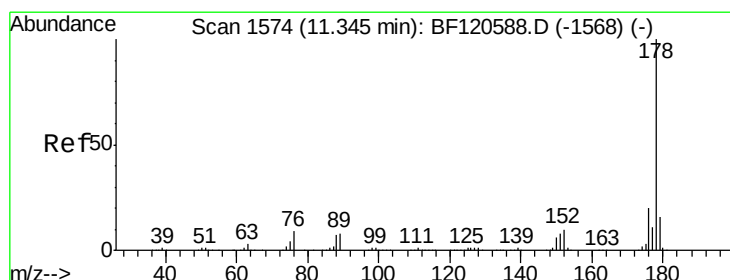
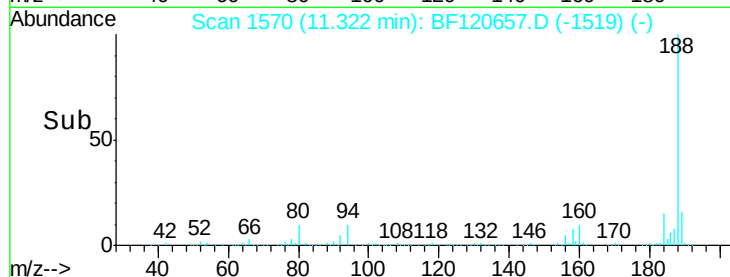
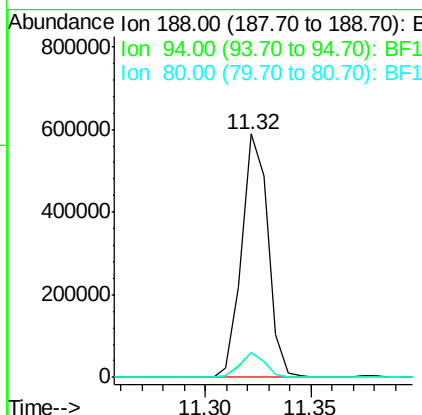
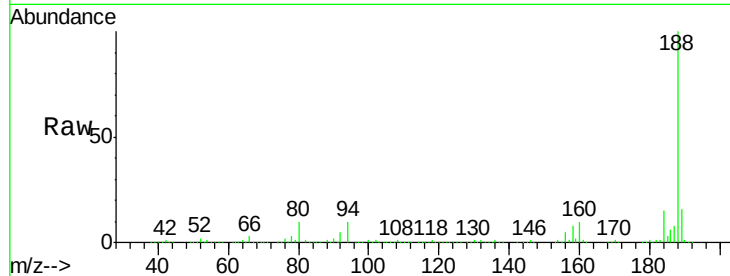
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF120657.D
 Acq: 18 Jun 2020 22:22

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-061720

Tot Ion	Ratio	Resp	Lower	Upper
188	100	507260		
94	10.0		7.2	10.8
80	10.0		7.4	11.2

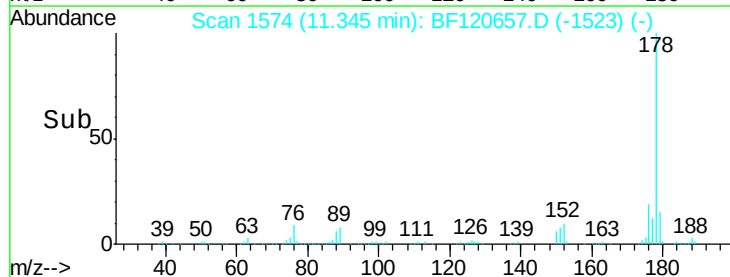
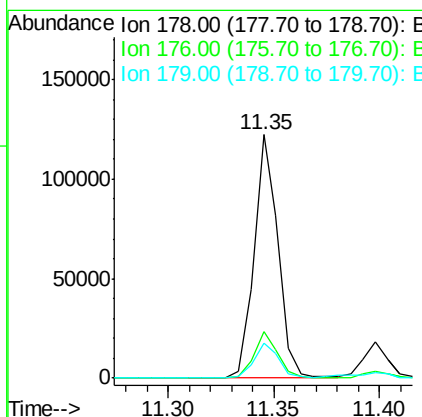
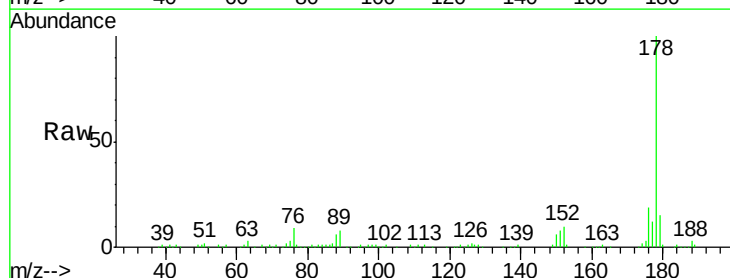
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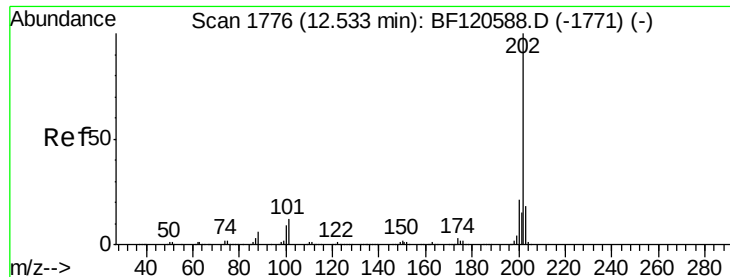
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#71
 Phenanthrene
 Concen: 3.829 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: BF120657.D
 Acq: 18 Jun 2020 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	96554		
176	19.1		15.9	23.9
179	14.6		12.8	19.2





#75

Fluoranthene

Concen: 9.299 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Instrument :

BNA_F

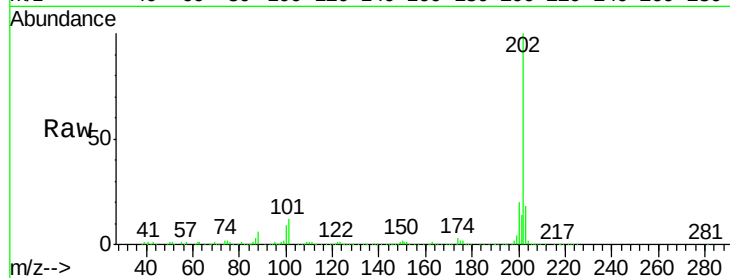
ClientSampleId :

TR-05-061720

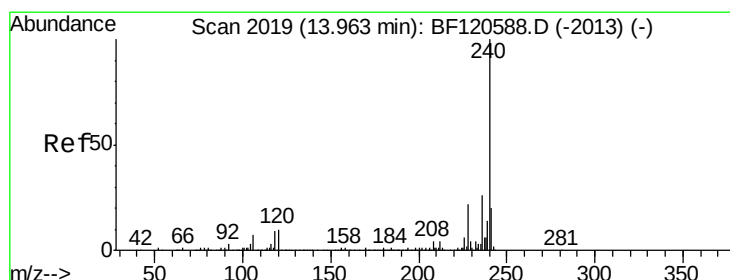
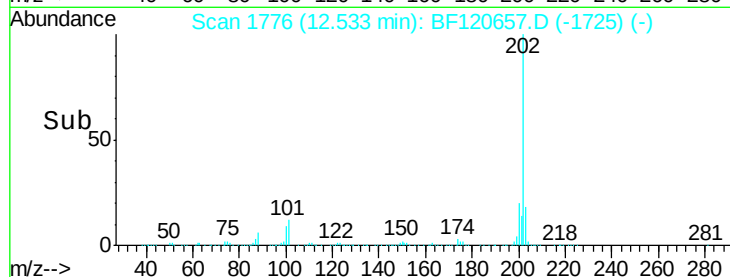
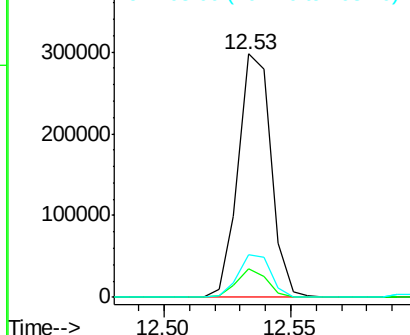
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		268084		
101	11.6	0.0	32.0		
203	17.7	0.0	38.3		

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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: 20.000 ng

RT: 13.96 min Scan# 2019

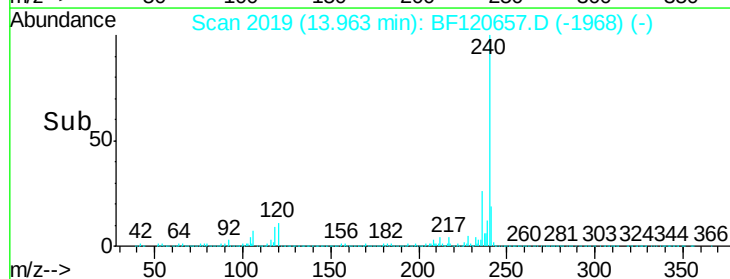
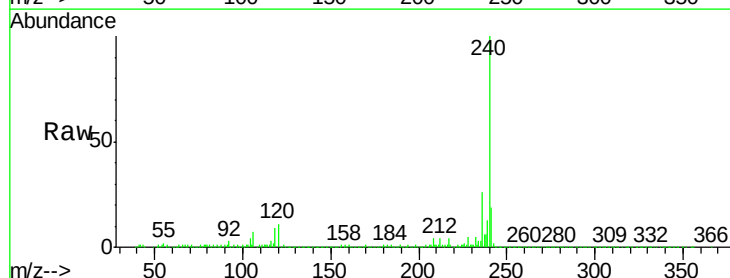
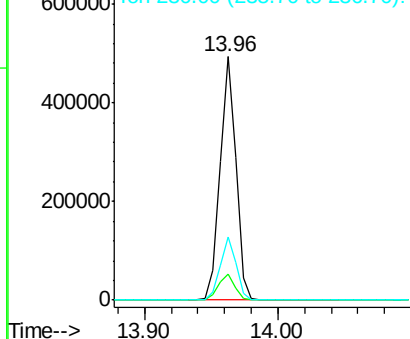
Delta R.T. 0.00 min

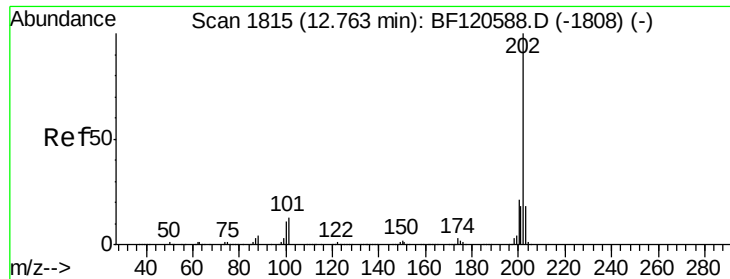
Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		417430		
120	10.9	8.3	12.5		
236	25.9	21.0	31.4		

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





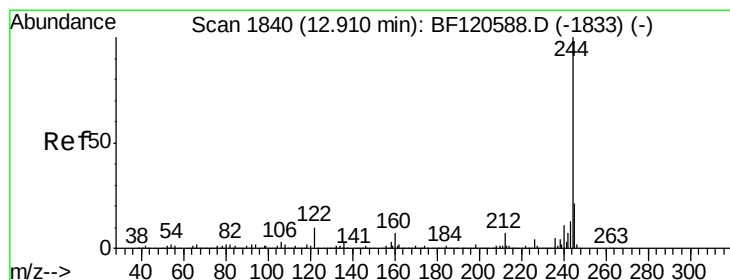
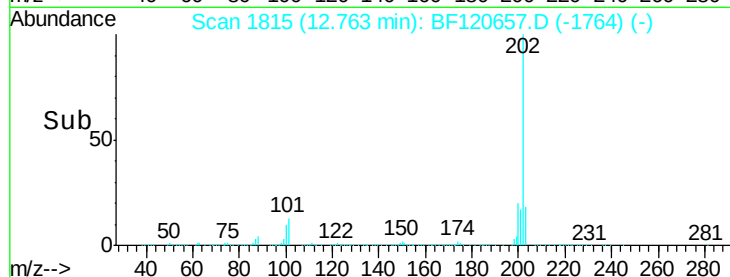
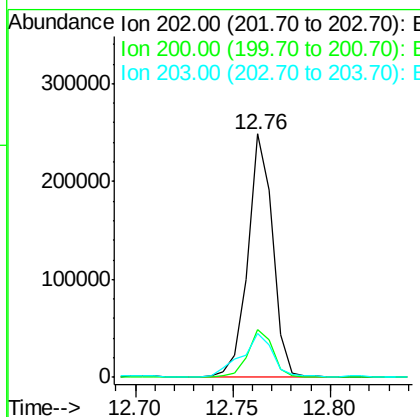
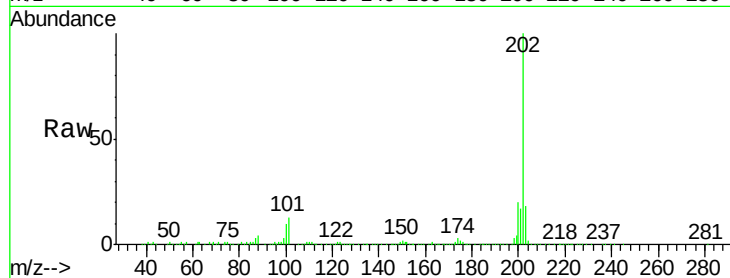
#78
Pvrene
Concen: 7.424 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Instrument :
BNA_F
ClientSampleId :
TR-05-061720

Tot Ion	Ratio	Resp	Lower	Upper
202	100	219542		
200	19.8		16.8	25.2
203	18.2		14.3	21.5

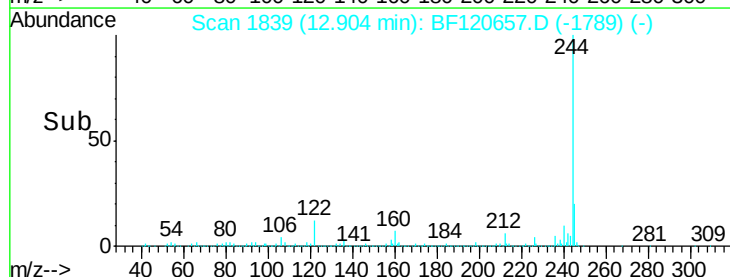
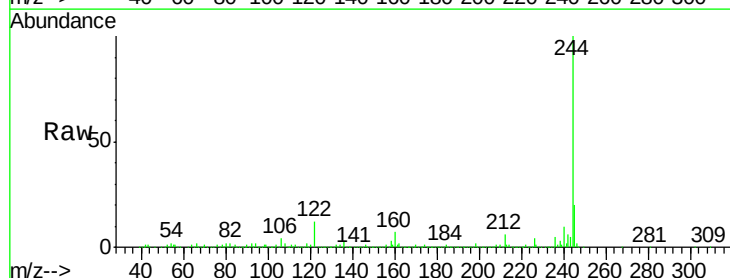
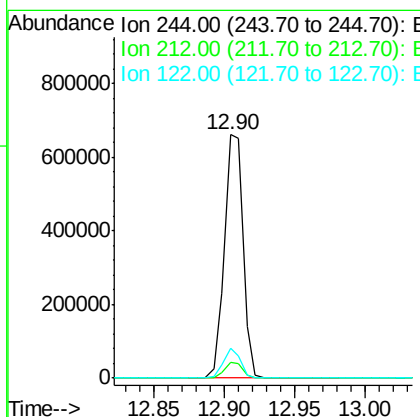
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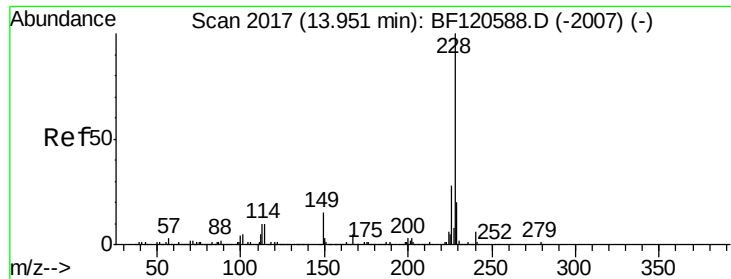
mohammad
6/19/2020 12:58:19 PM



#79
Terphenyl-d14
Concen: 32.283 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	610074		
212	6.3		5.7	8.5
122	12.2		8.3	12.5





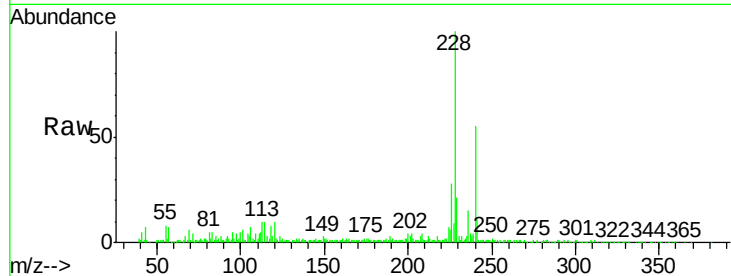
#81
Benzo(a)anthracene
Concen: 4.296 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Instrument :
BNA_F
ClientSampleId :
TR-05-061720

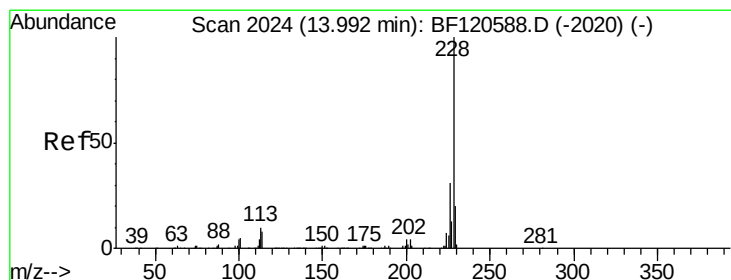
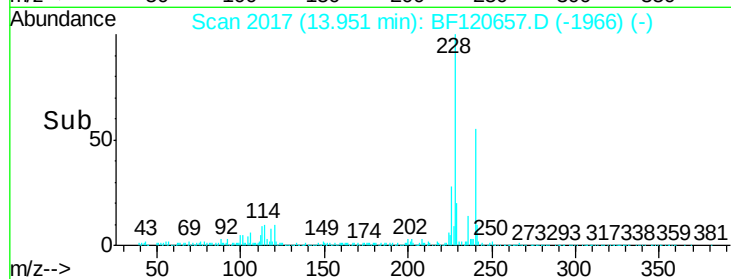
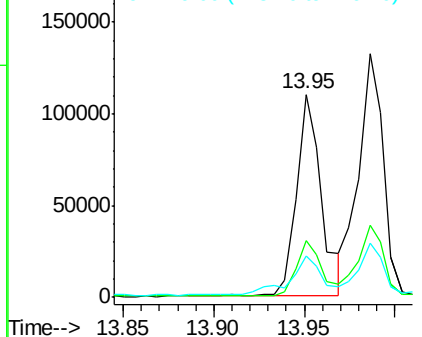
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.5	33.7
229	20.6	16.1	24.1

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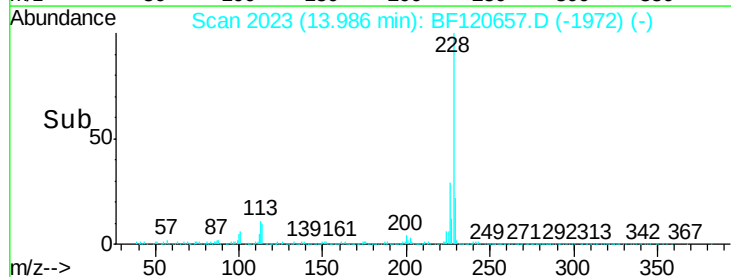
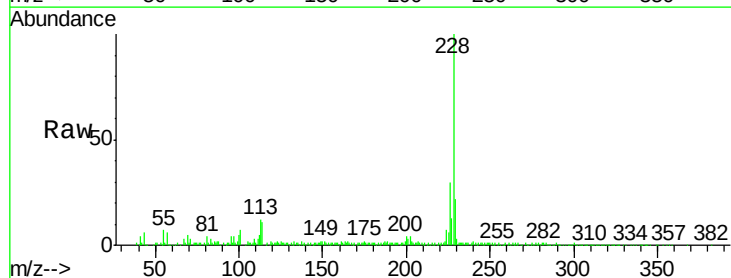
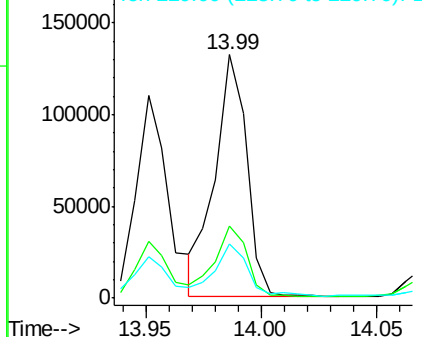
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

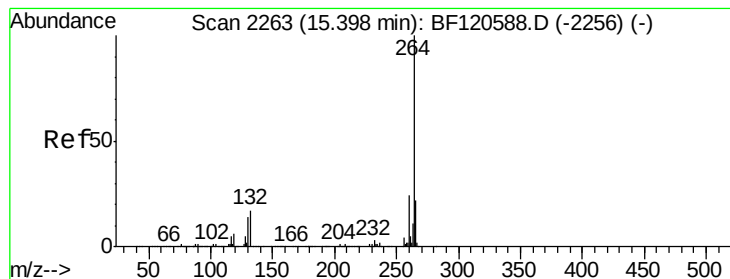


#83
Chrysene
Concen: 4.936 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	22.4	16.1	24.1

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

Pervlene-d12

Concen: 20.000 ng

RT: 15.41 min Scan# 2265

Delta R.T. 0.01 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Instrument :

BNA_F

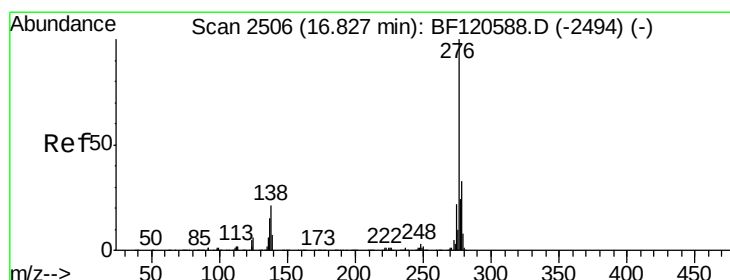
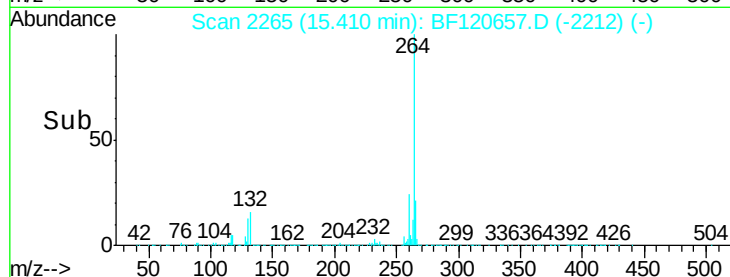
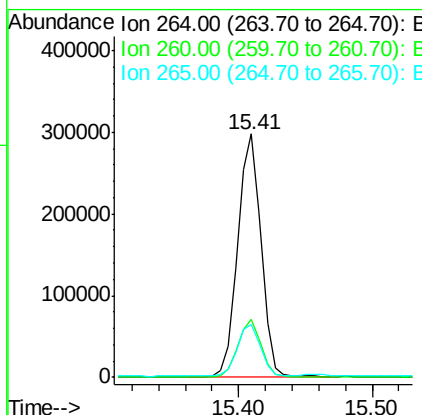
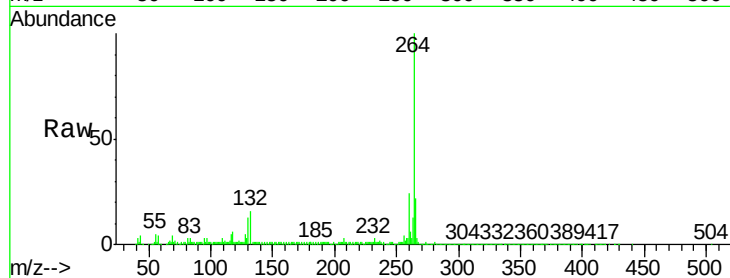
ClientSampleId :

TR-05-061720

Tot Ion:	264	Resp:	357935
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.3	28.9
265	21.7	17.8	26.8

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6/19/2020 12:58:19 PM



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.348 ng

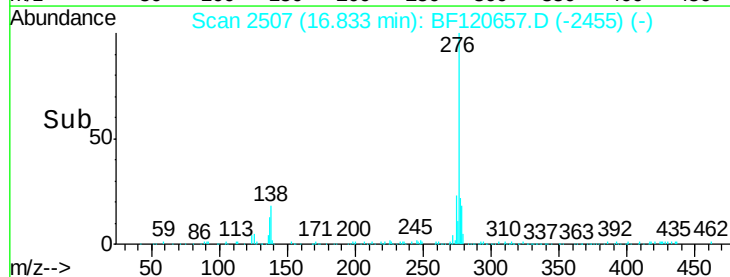
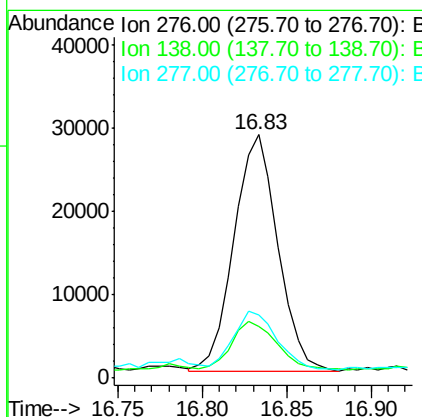
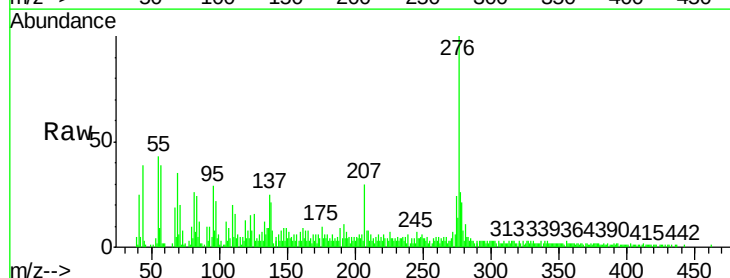
RT: 16.83 min Scan# 2507

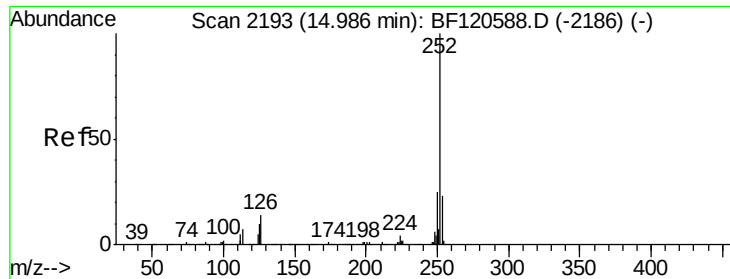
Delta R.T. 0.01 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Tgt Ion:	276	Resp:	51127
Ion Ratio	Lower	Upper	
276	100		
138	20.8	18.9	28.3
277	24.5	20.2	30.2





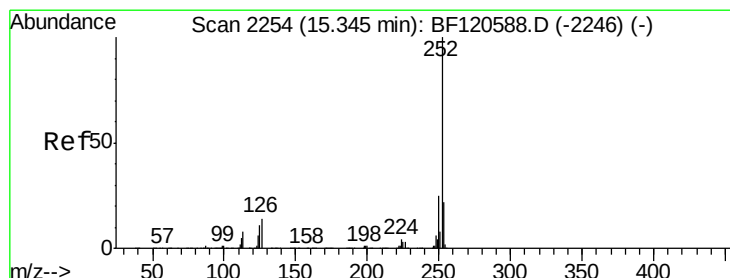
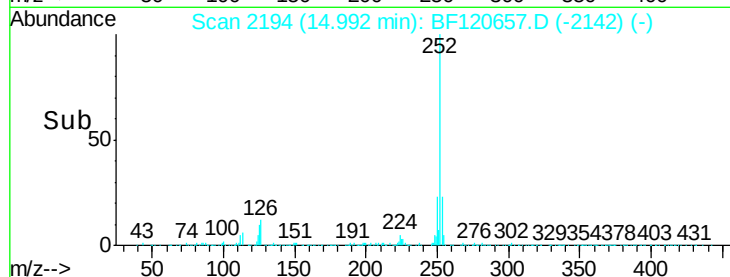
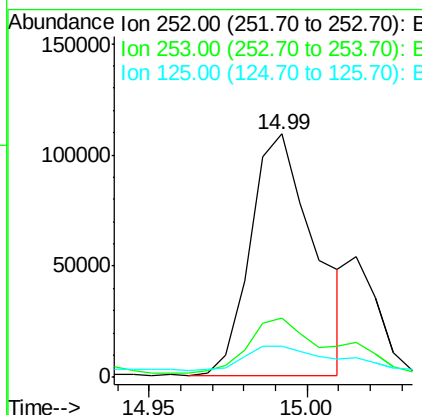
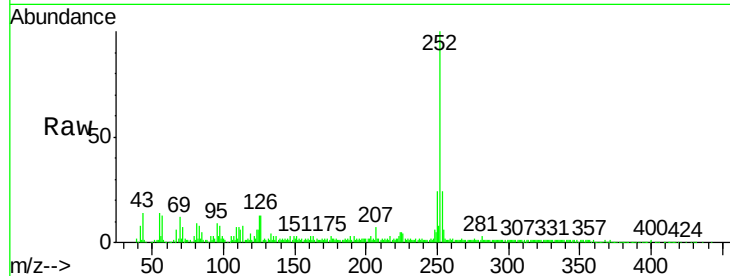
#88
Benzo(b)fluoranthene
Concen: 7.233 ng m
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Instrument :
BNA_F
ClientSampleId :
TR-05-061720

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	12.9	8.3	12.5

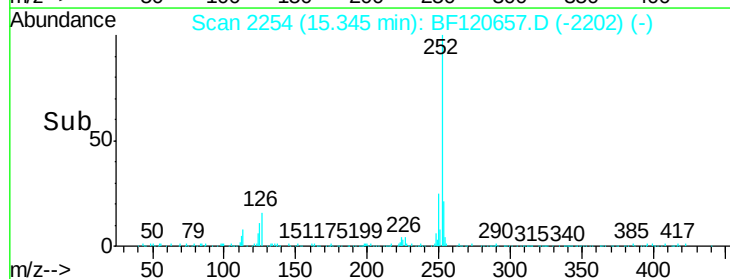
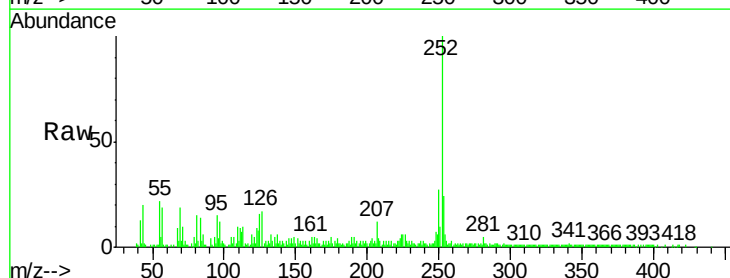
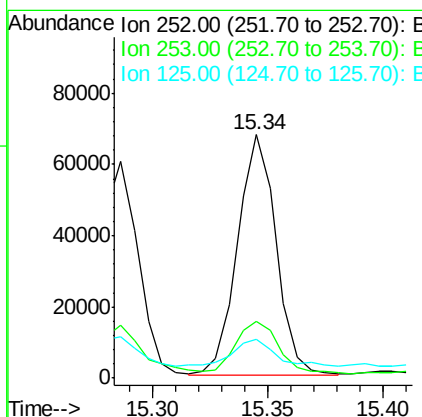
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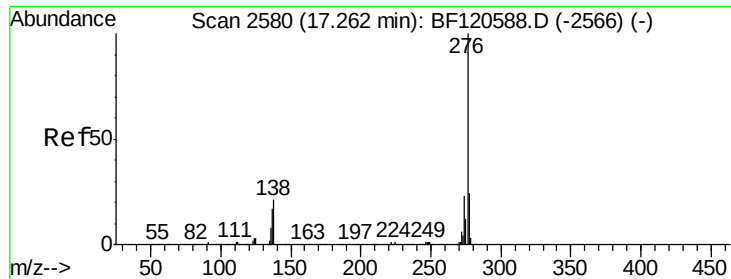
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#90
Benzo(a)pyrene
Concen: 4.103 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	15.8	8.6	12.8





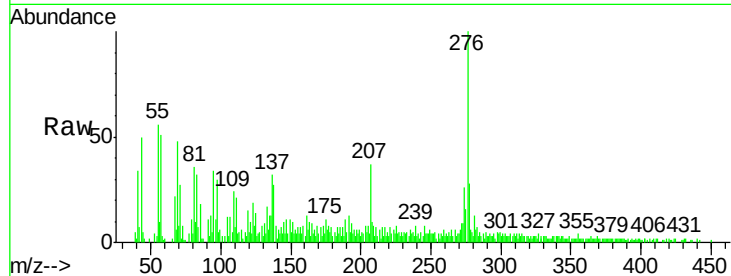
#92
 Benzo(a,h,i)perylene
 Concen: 2.763 ng
 RT: 17.26 min Scan# 2580
 Delta R.T. 0.01 min
 Lab File: BF120657.D
 Acq: 18 Jun 2020 22:22

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-061720

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.1	19.6	29.4
138	27.4	16.5	24.7

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

