

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
 Data File : BF121232.D
 Acq On : 7 Aug 2020 15:29
 Operator : JU/CG
 Sample : L3586-02 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8420

Manual Integrations
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mohammad
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Quant Time: Aug 07 16:30:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	131810	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	513849	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	259945	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	456985	20.00	ng	0.00
76) Chrysene-d12	13.96	240	311880	20.00	ng	0.00
86) Perylene-d12	15.42	264	329075	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	114627	14.26	ng	-0.01
7) Phenol-d6	6.43	99	146878	14.14	ng	-0.01
23) Nitrobenzene-d5	7.36	82	92498	10.42	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	34329	12.06	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	206249	11.85	ng	-0.01
79) Terphenyl-d14	12.90	244	176003	12.27	ng	0.00

Target Compounds

						Qvalue
38) 1-Methylnaphthalene	8.89	142	38296	2.363	ng	100
49) Acenaphthylene	9.69	152	52591	2.094	ng	95
52) Acenaphthene	9.87	154	50338	3.153	ng	99
55) Dibenzofuran	10.04	168	58534	2.535	ng	97
58) Fluorene	10.38	166	109792	6.375	ng	98
71) Phenanthrene	11.35	178	652736	27.773	ng	99
72) Anthracene	11.40	178	150930	6.395	ng	98
73) Carbazole	11.56	167	48702	2.079	ng	100
75) Fluoranthene	12.54	202	586337	22.507	ng	100
78) Pyrene	12.77	202	560948	25.440	ng	99
81) Benzo(a)anthracene	13.96	228	229369	12.145	ng	95
83) Chrysene	13.99	228	221777	11.174	ng	96
87) Indeno(1,2,3-cd)pyrene	16.86	276	97823	4.274	ng	97
88) Benzo(b)fluoranthene	15.00	252	265110m	13.328	ng	
89) Benzo(k)fluoranthene	15.03	252	67562m	3.724	ng	
90) Benzo(a)pyrene	15.36	252	188975	10.413	ng	97
92) Benzo(a,h,i)perylene	17.30	276	97453	5.287	ng	97

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

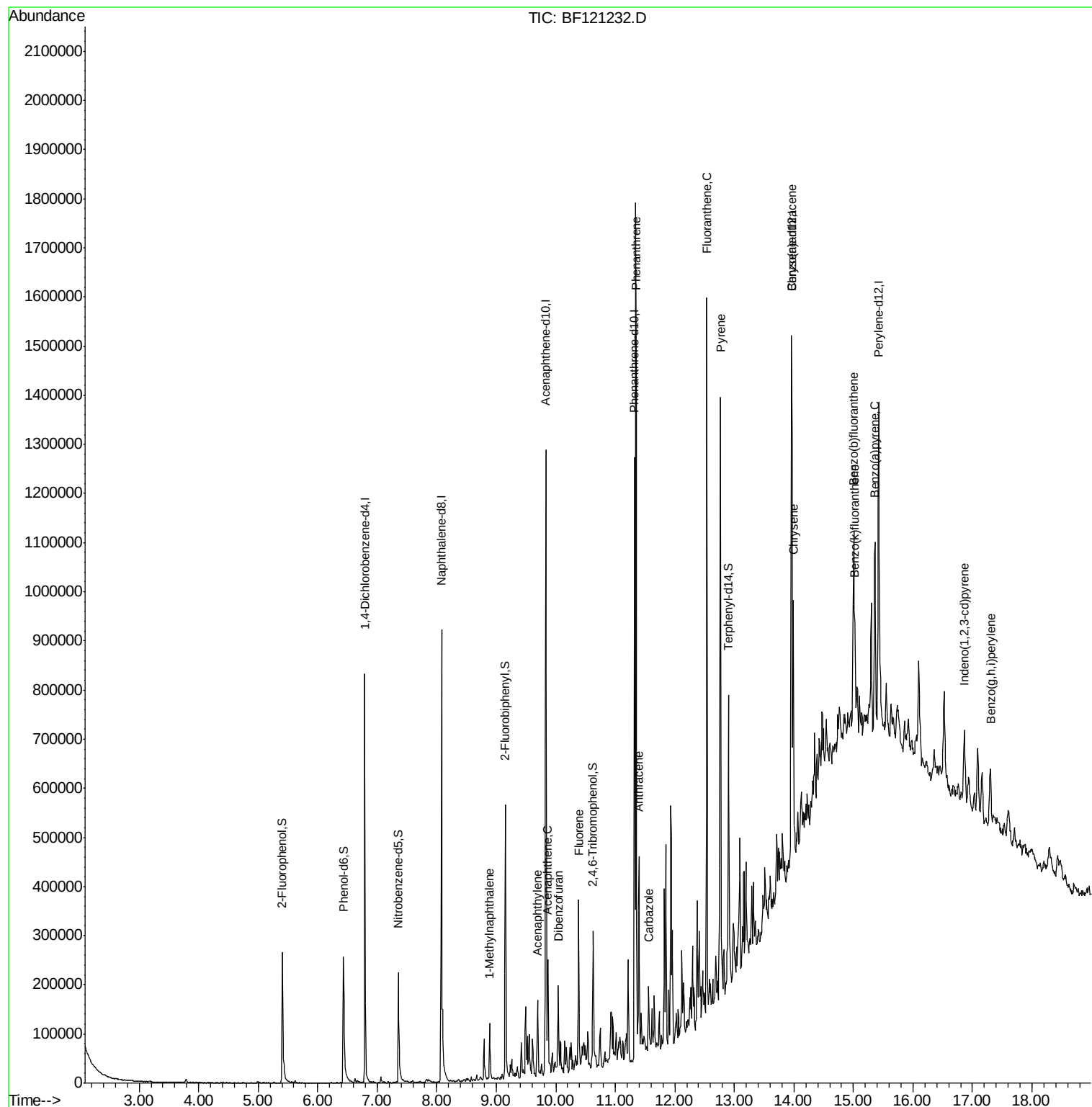
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080720\
Data File : BF121232.D
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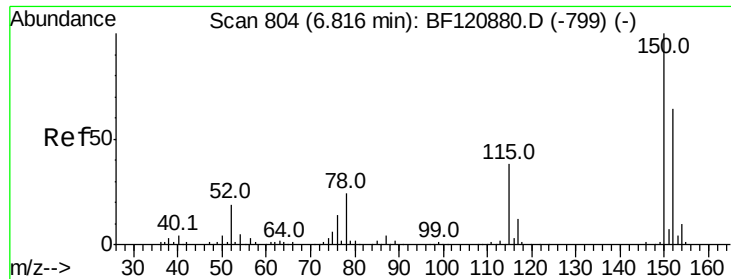
Instrument :
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Quant Time: Aug 07 16:30:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

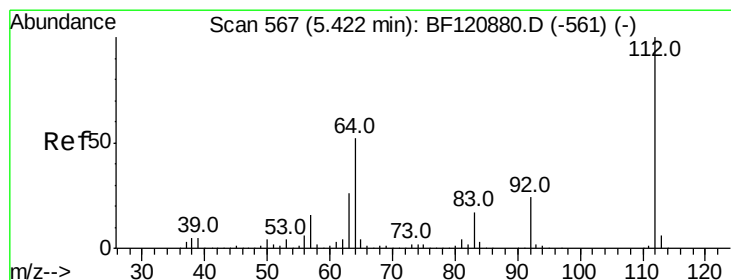
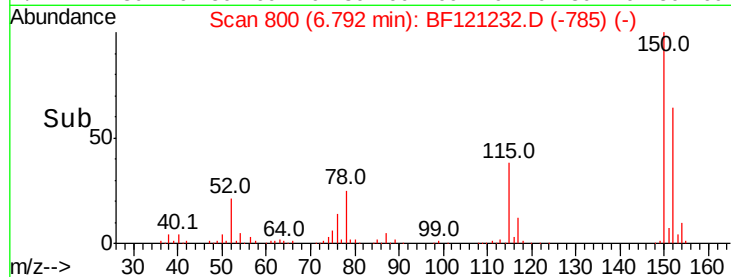
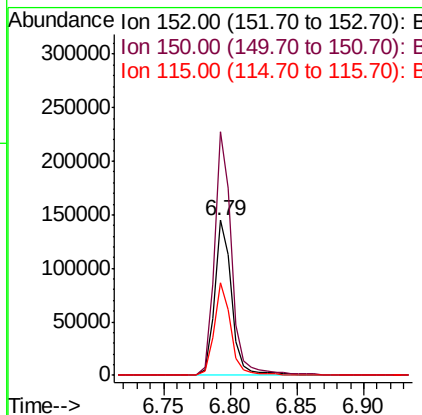
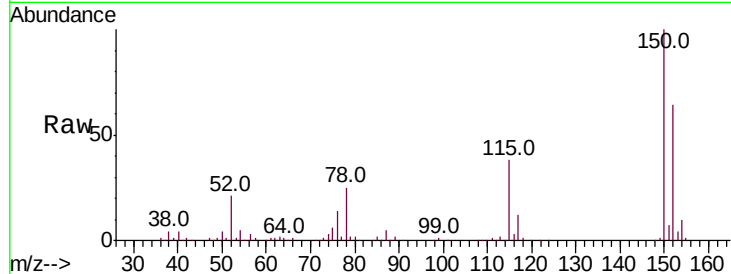
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF121232.D
Acq: 7 Aug 2020 15:29

Instrument :
BNA_F
ClientSampleId :
8420

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	125.6	188.4
115	59.5	46.2	69.2

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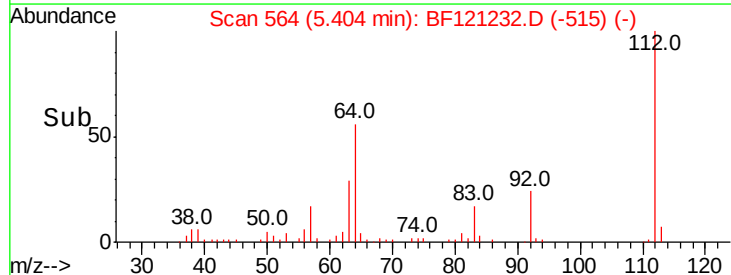
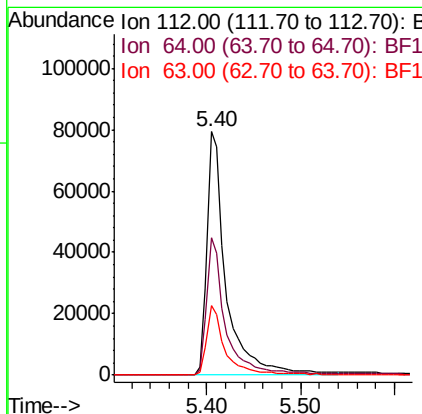
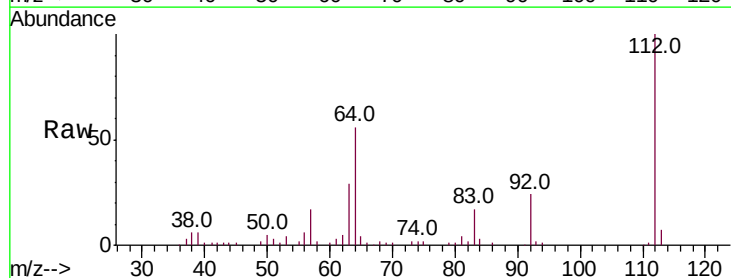
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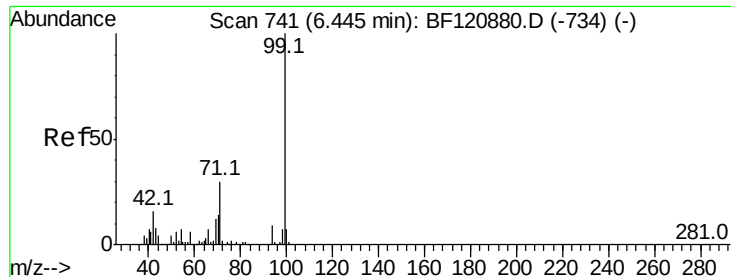


#5

2-Fluorophenol
Concen: 14.256 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF121232.D
Acq: 7 Aug 2020 15:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	43.9	65.9
63	28.5	22.7	34.1





#7

Phenol-d6

Concen: 14.142 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121232.D

Acq: 7 Aug 2020 15:29

Instrument :

BNA_F

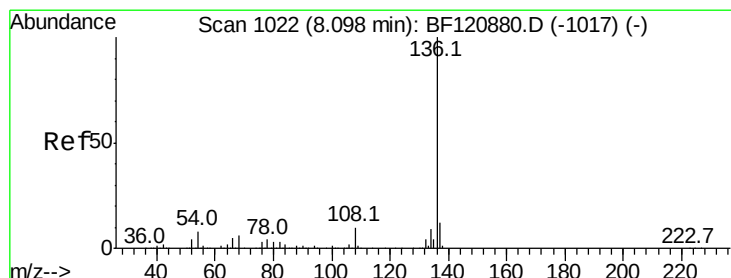
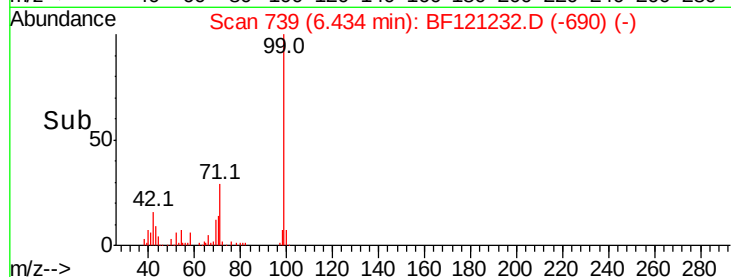
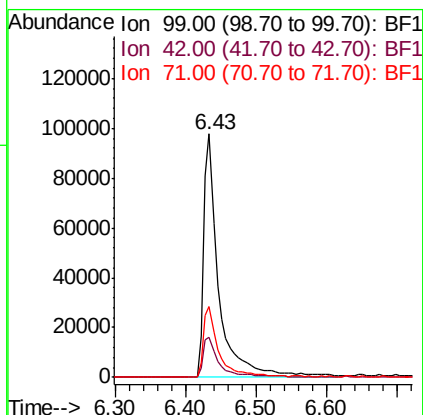
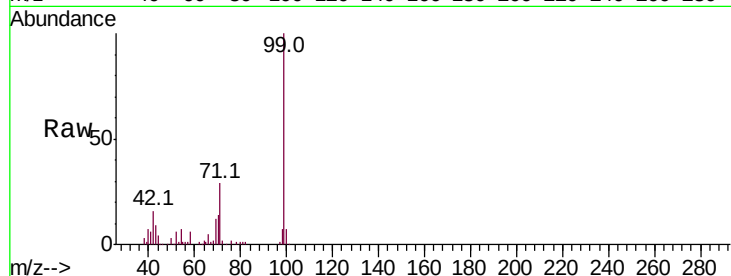
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		146878		
42	16.5	13.5	20.3		
71	29.1	25.0	37.4		



#21

Naphthalene-d8

Concen: 20.000 ng

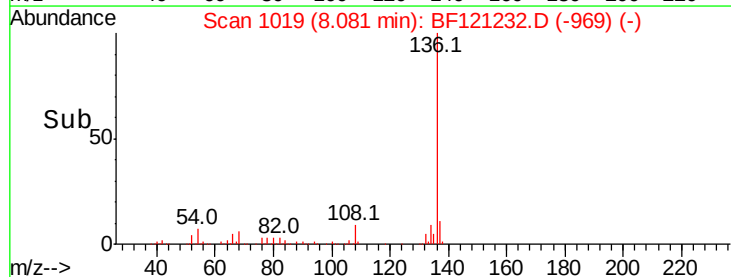
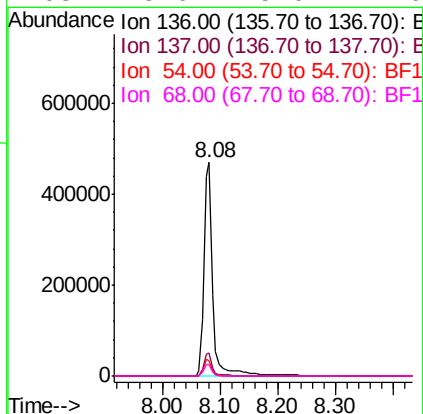
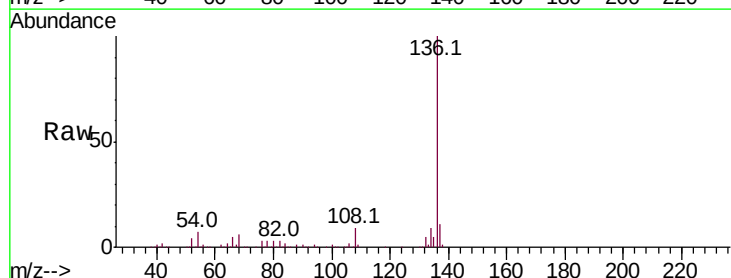
RT: 8.08 min Scan# 1019

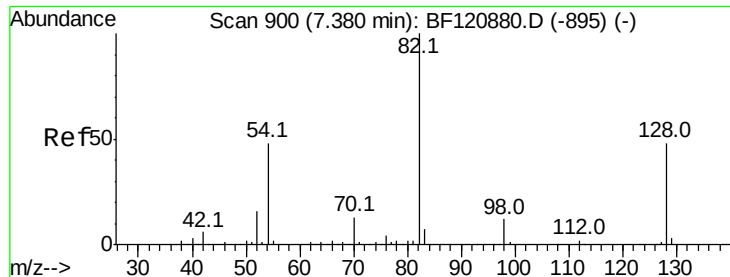
Delta R.T. -0.01 min

Lab File: BF121232.D

Acq: 7 Aug 2020 15:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		513849		
137	10.9	9.0	13.4		
54	6.9	6.1	9.1		
68	5.6	5.0	7.6		





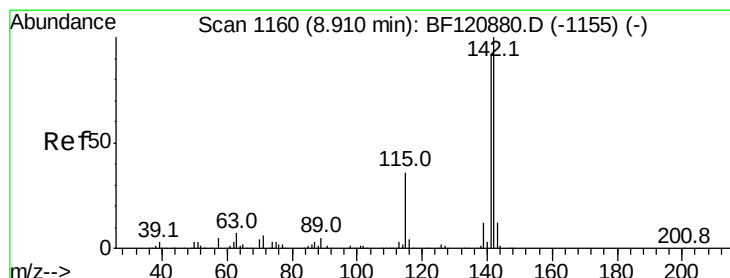
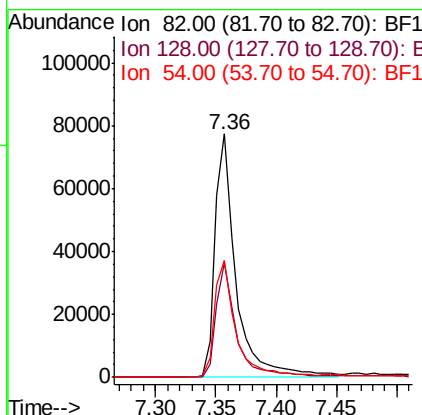
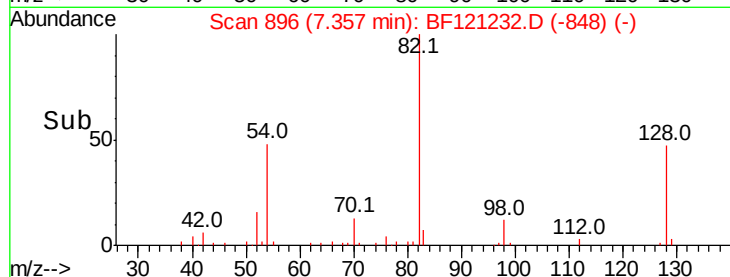
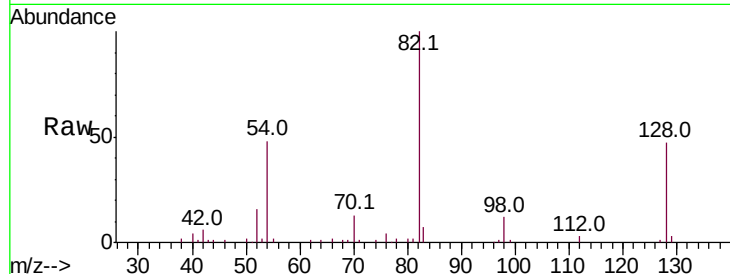
#23
 Nitrobenzene-d5
 Concen: 10.416 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: BF121232.D
 Acq: 7 Aug 2020 15:29

Instrument :
 BNA_F
 ClientSampled :
 8420

Tot Ion:	82	Resp:	92498
Ion Ratio	Lower	Upper	
82	100		
128	46.8	39.2	58.8
54	48.1	37.8	56.8

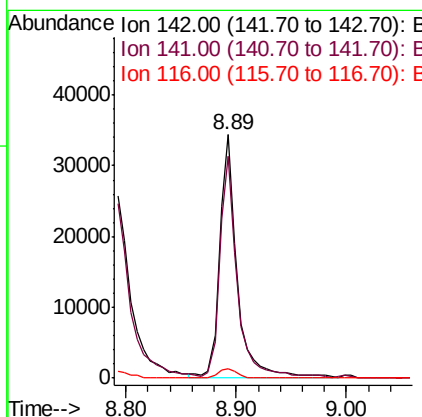
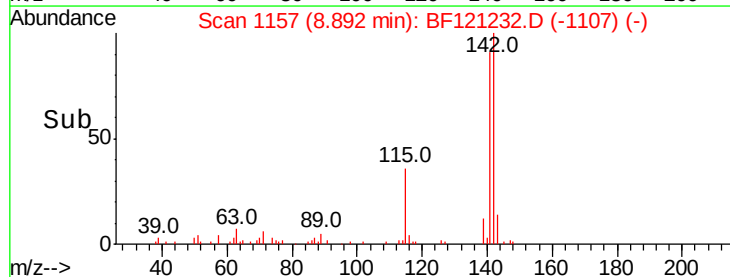
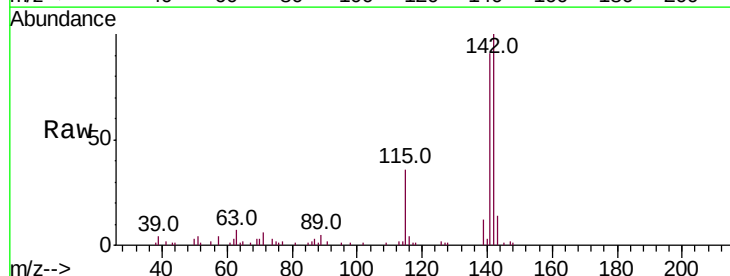
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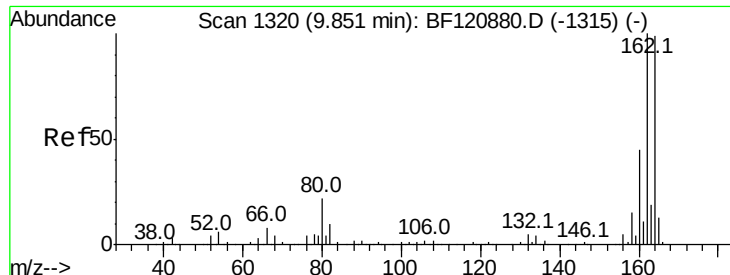
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#38
 1-Methylnaphthalene
 Concen: 2.363 ng
 RT: 8.89 min Scan# 1157
 Delta R.T. -0.01 min
 Lab File: BF121232.D
 Acq: 7 Aug 2020 15:29

Tgt Ion:	142	Resp:	38296
Ion Ratio	Lower	Upper	
142	100		
141	91.3	73.0	109.6
116	3.6	3.0	4.6





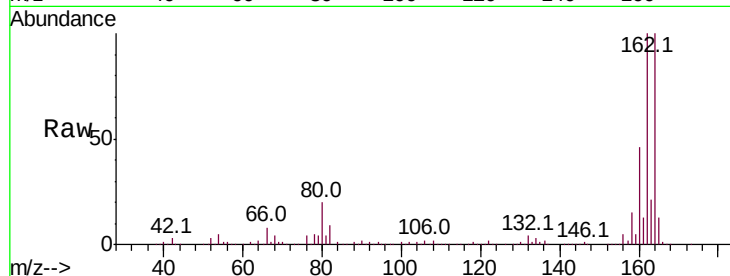
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF121232.D
Acq: 7 Aug 2020 15:29

Instrument :
BNA_F
ClientSampleId :
8420

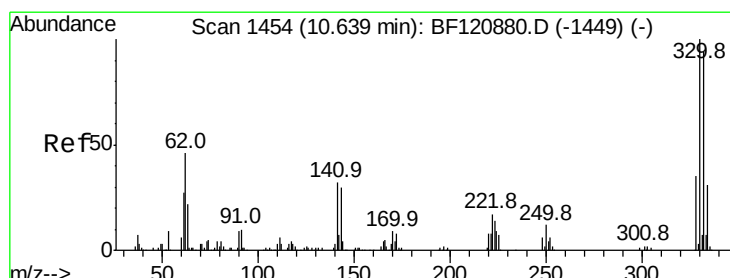
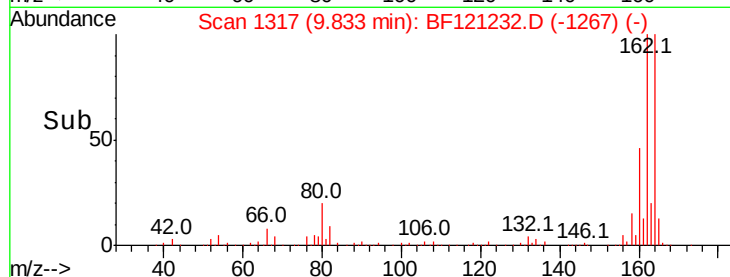
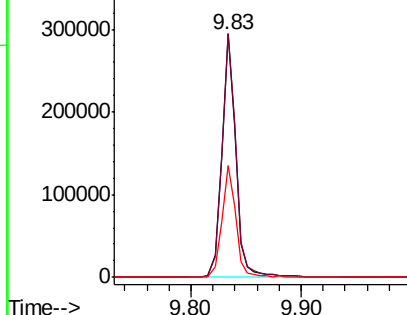
Tot Ion	Ratio	Resp	Lower	Upper
164	100	259945		
162	100.2	82.2	123.2	
160	45.8	37.2	55.8	

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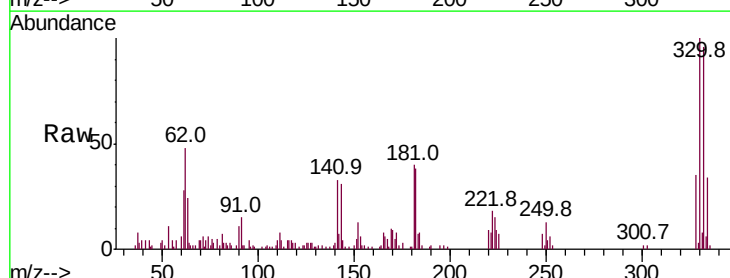


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

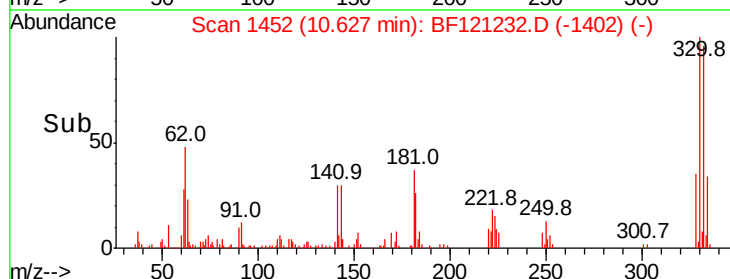
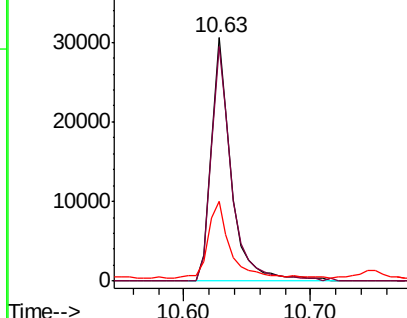


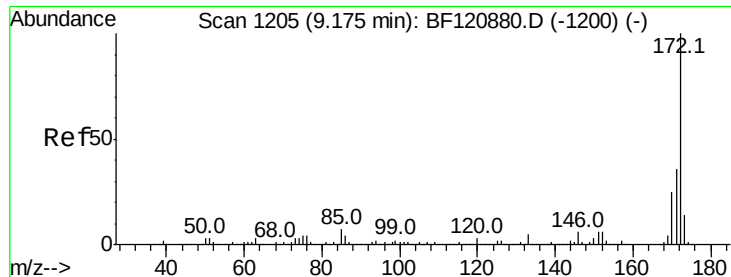
#42
2,4,6-Tribromophenol
Concen: 12.065 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF121232.D
Acq: 7 Aug 2020 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	34329		
332	97.9	76.1	114.1	
141	34.0	24.1	36.1	



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





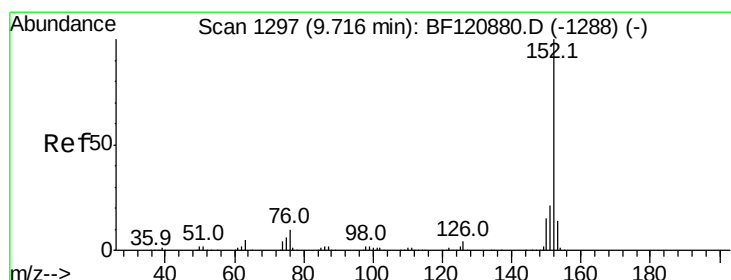
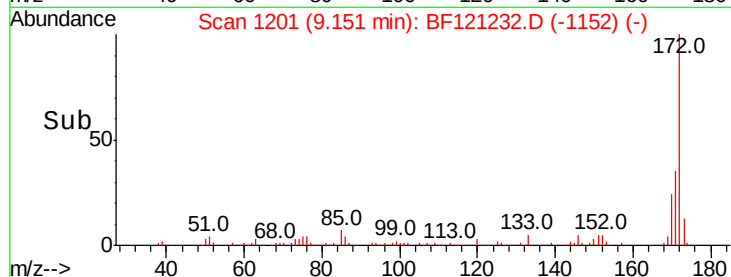
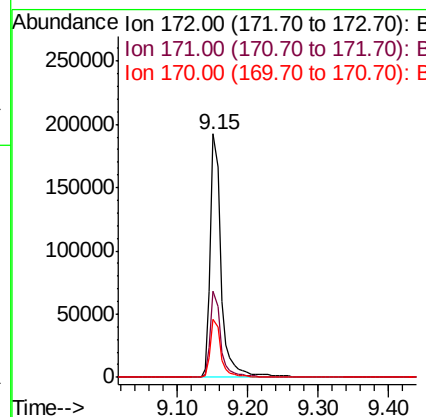
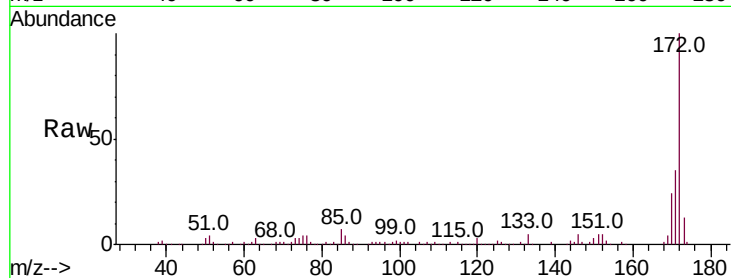
#45
2-Fluorobiphenyl
Concen: 11.846 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF121232.D
Acq: 7 Aug 2020 15:29

Instrument :
BNA_F
ClientSampled :
8420

Tot Ion	Ratio	Resp	Lower	Upper
172	100	206249		
171	35.3		29.0	43.4
170	23.9		19.6	29.4

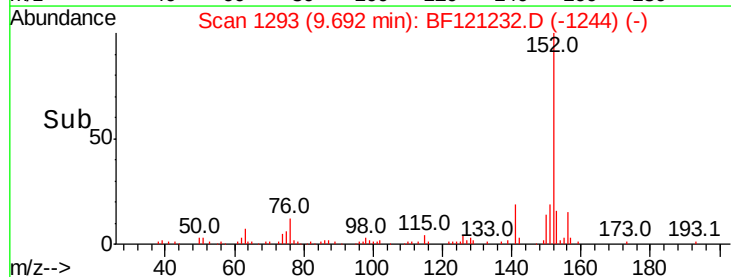
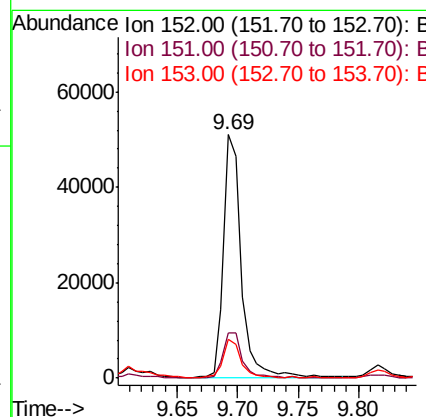
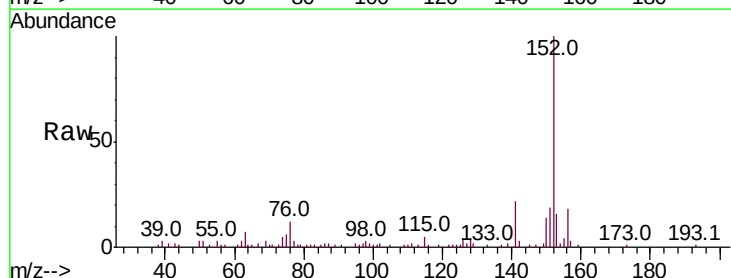
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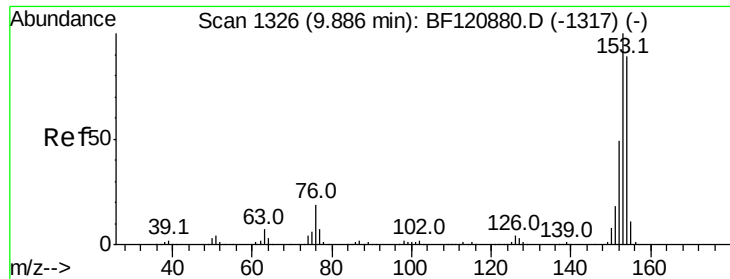
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#49
Acenaphthylene
Concen: 2.094 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF121232.D
Acq: 7 Aug 2020 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	52591		
151	18.7		16.6	25.0
153	16.0		11.0	16.4





#52

Acenaphthene

Concen: 3.153 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF121232.D

Acq: 7 Aug 2020 15:29

Instrument :

BNA_F

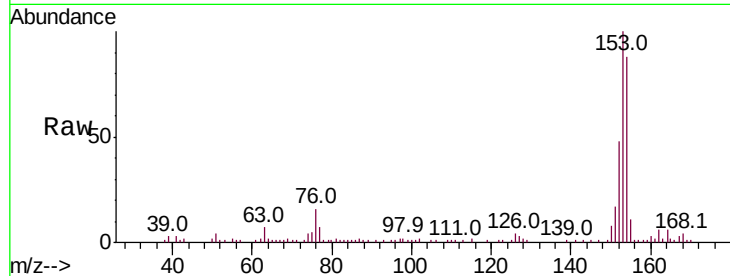
ClientSampleId :

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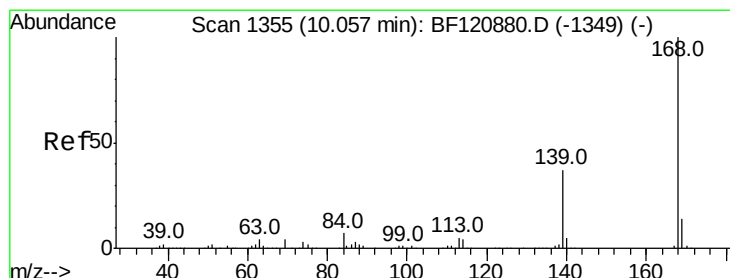
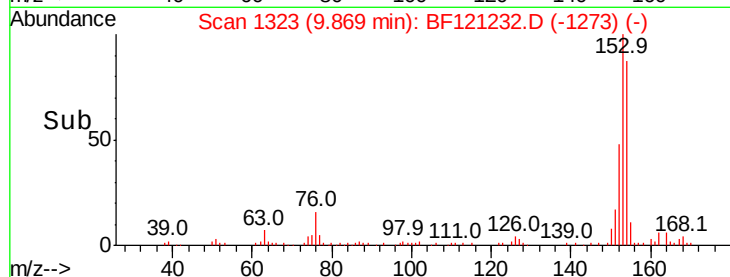
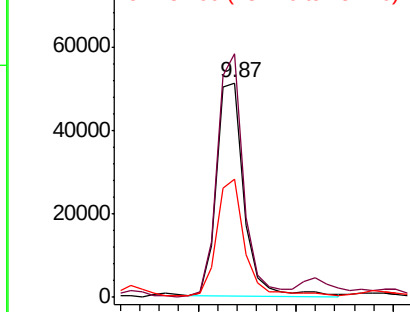
Tot Ion:	154	Resp:	50338
Ion Ratio	Lower	Upper	
154	100		
153	113.7	89.6	134.4
152	55.0	43.8	65.6

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.535 ng

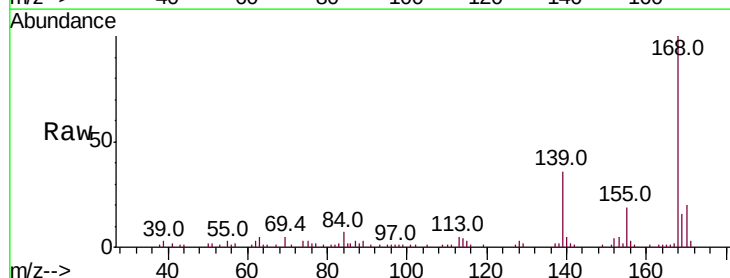
RT: 10.04 min Scan# 1352

Delta R.T. -0.01 min

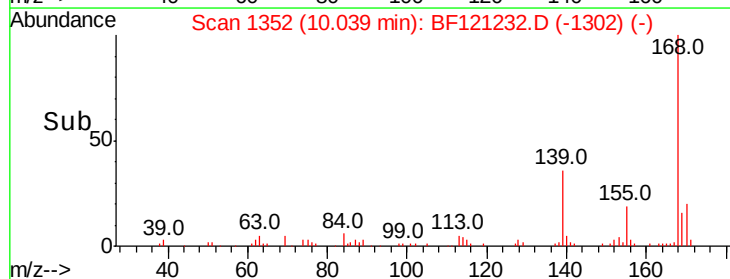
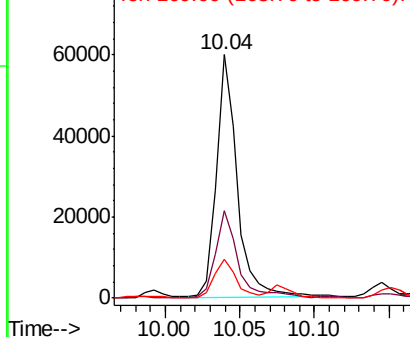
Lab File: BF121232.D

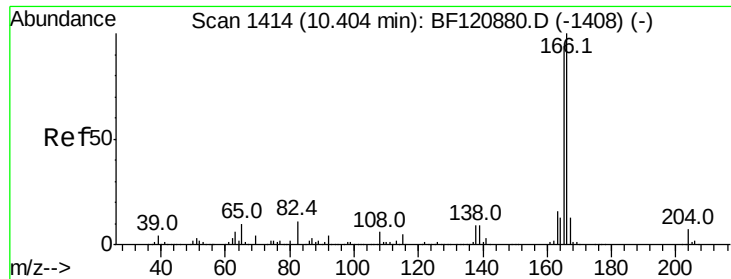
Acq: 7 Aug 2020 15:29

Tgt Ion:	168	Resp:	58534
Ion Ratio	Lower	Upper	
168	100		
139	36.0	30.1	45.1
169	16.1	11.3	16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





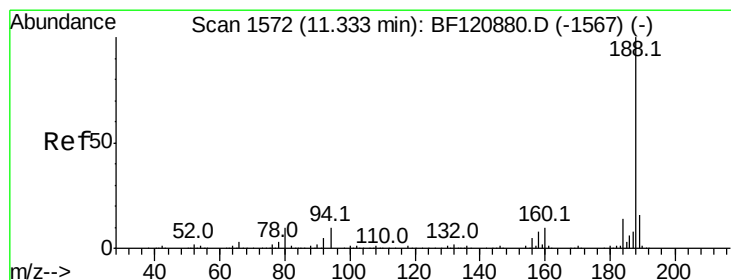
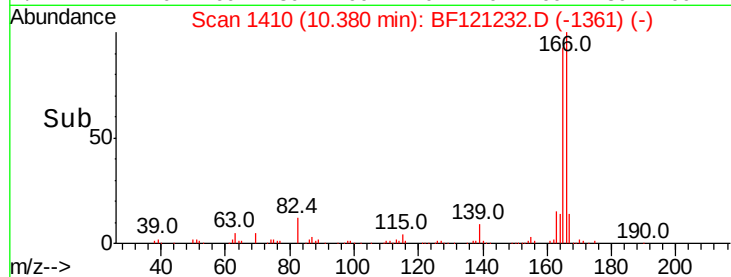
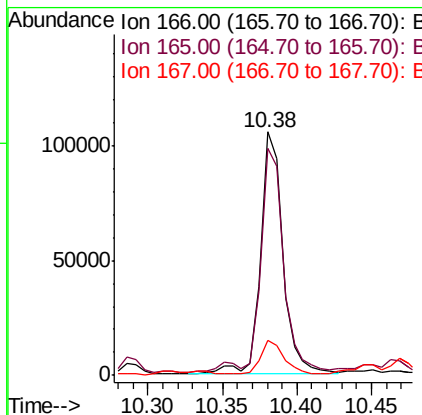
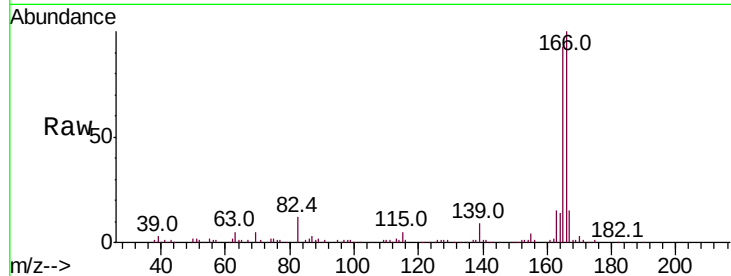
#58
 Fluorene
 Concen: 6.375 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF121232.D
 Acq: 7 Aug 2020 15:29

Instrument :
 BNA_F
 ClientSampled :
 8420

Tot Ion	Ratio	Resp	Lower	Upper
166	100	109792		
165	93.3	76.4	114.6	
167	14.6	10.7	16.1	

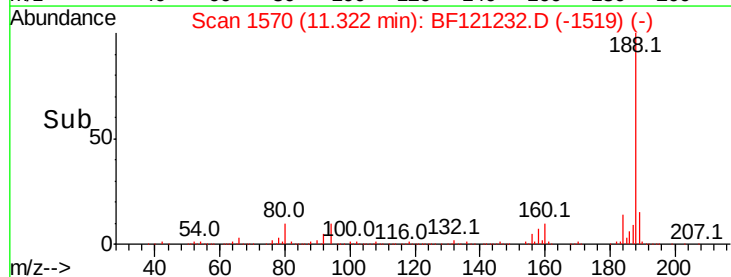
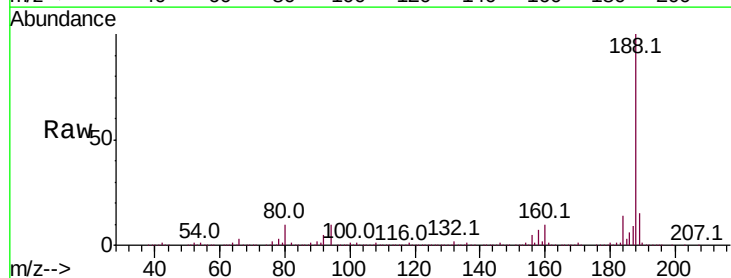
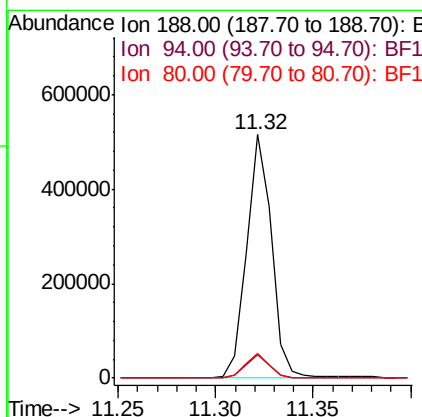
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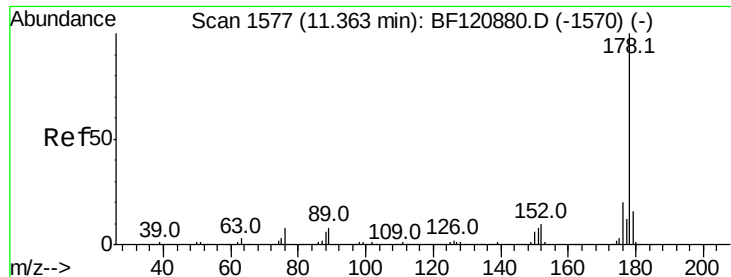
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF121232.D
 Acq: 7 Aug 2020 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	456985		
94	9.6	8.0	12.0	
80	10.2	8.3	12.5	





#71

Phenanthrene

Concen: 27.773 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF121232.D

Acq: 7 Aug 2020 15:29

Instrument :

BNA_F

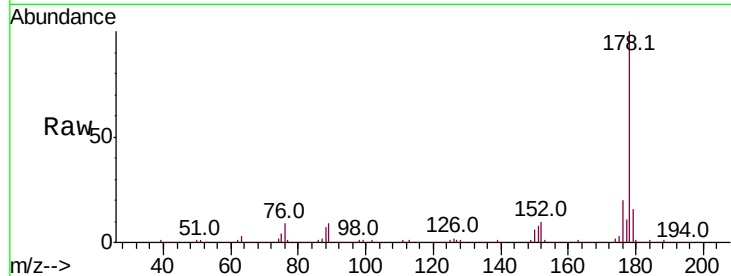
ClientSampleId :

8420

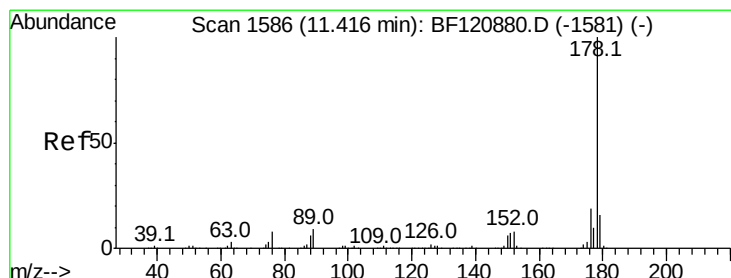
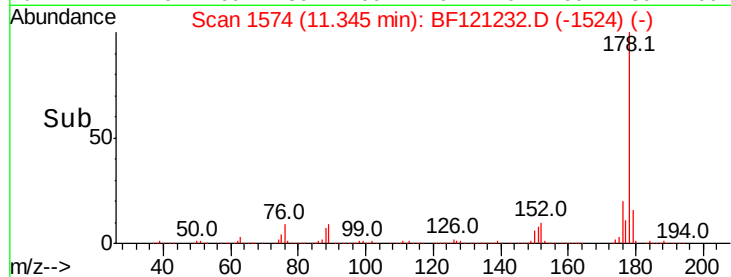
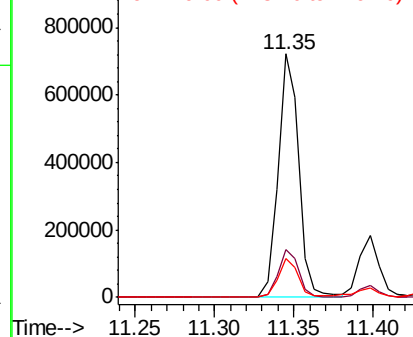
Tot Ion:178	Resp:	652736
Ion Ratio	Lower	Upper
178	100	
176	19.6	16.2 24.2
179	15.9	12.6 19.0

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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: 6.395 ng

RT: 11.40 min Scan# 1583

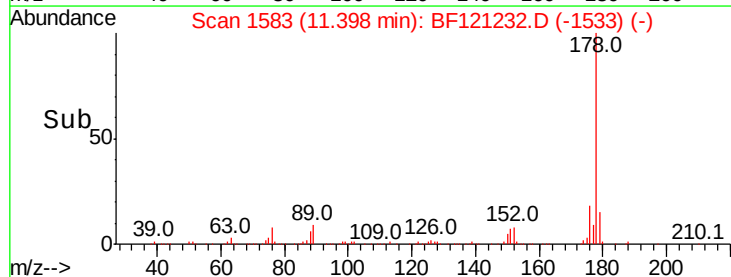
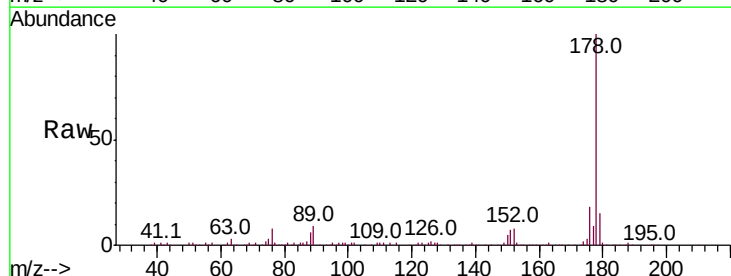
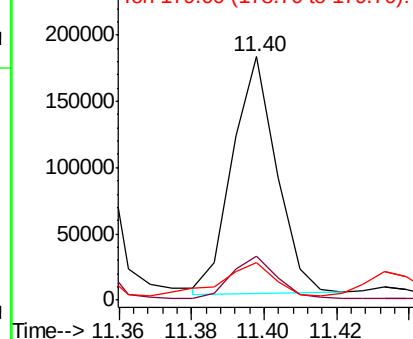
Delta R.T. -0.01 min

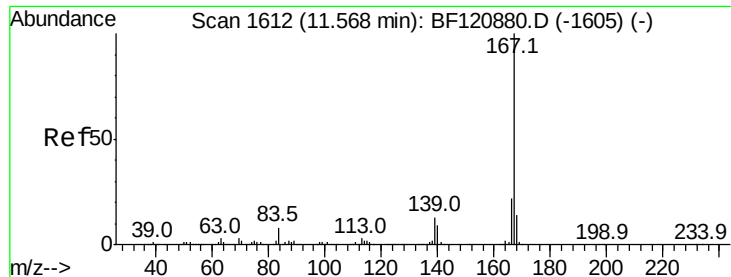
Lab File: BF121232.D

Acq: 7 Aug 2020 15:29

Tgt Ion:178	Resp:	150930
Ion Ratio	Lower	Upper
178	100	
176	18.3	15.8 23.8
179	15.3	12.6 19.0

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





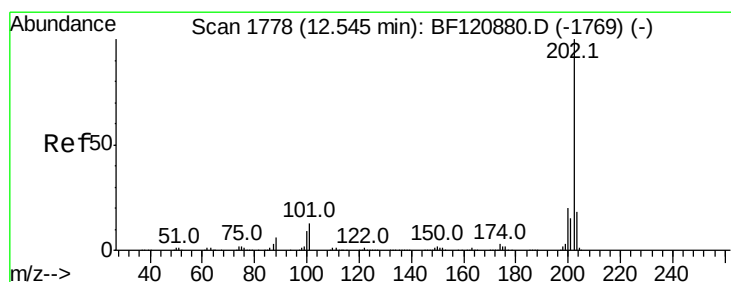
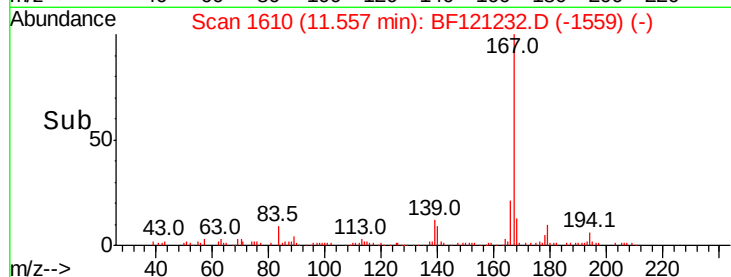
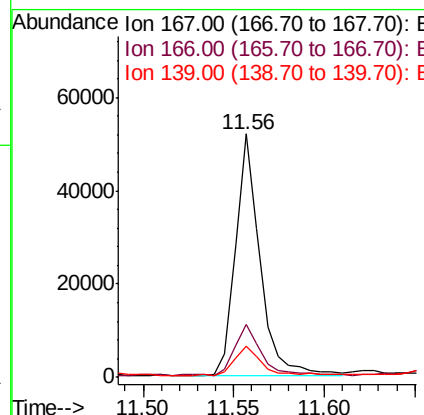
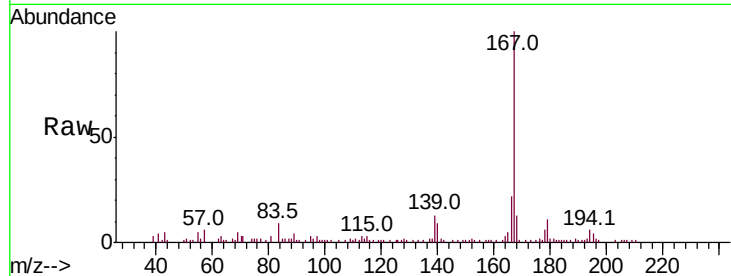
#73
 Carbazole
 Concen: 2.079 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BF121232.D
 Acq: 7 Aug 2020 15:29

Instrument :
 BNA_F
 ClientSampleId :
 8420

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	12.8	10.5	15.7

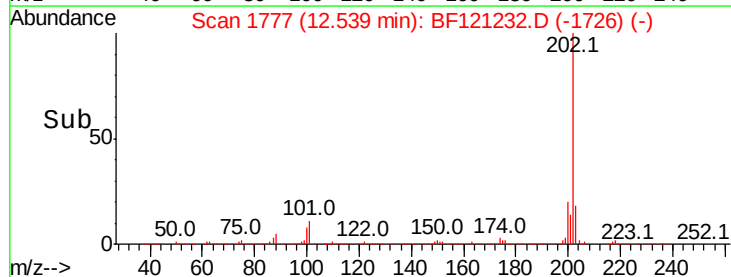
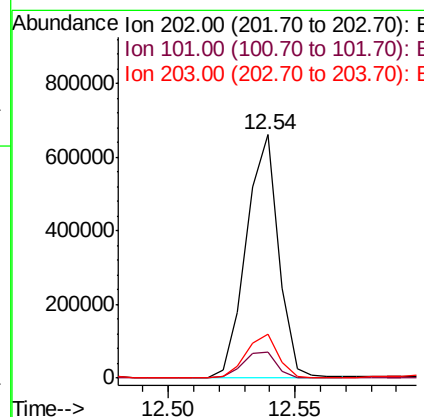
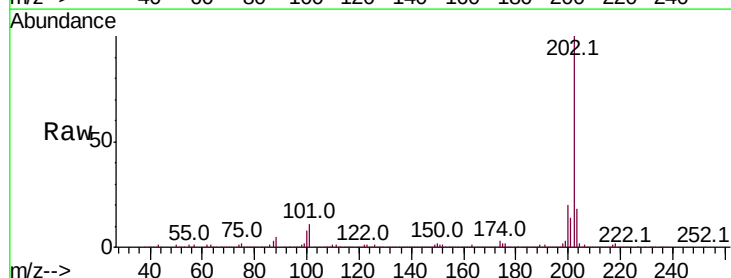
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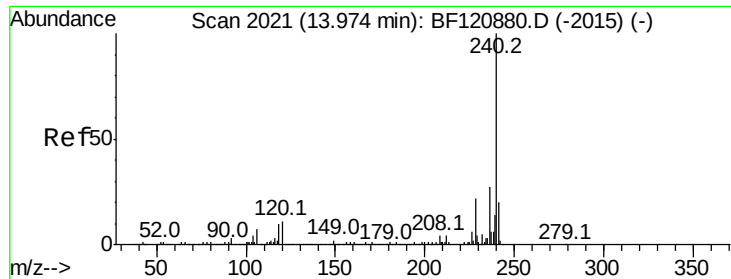
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#75
 Fluoranthene
 Concen: 22.507 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.00 min
 Lab File: BF121232.D
 Acq: 7 Aug 2020 15:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	30.5
203	17.8	0.0	37.7





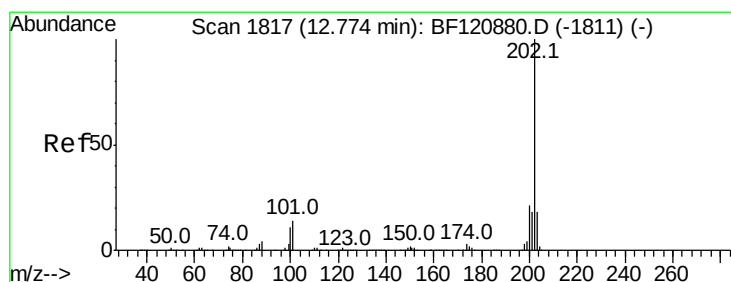
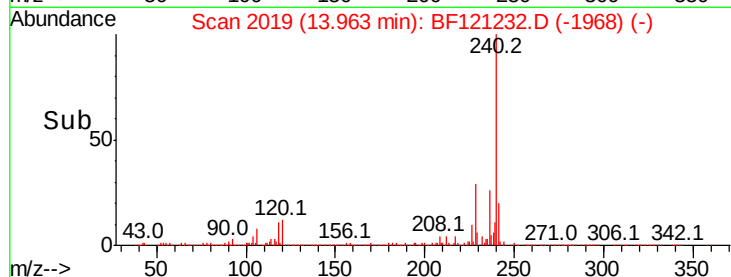
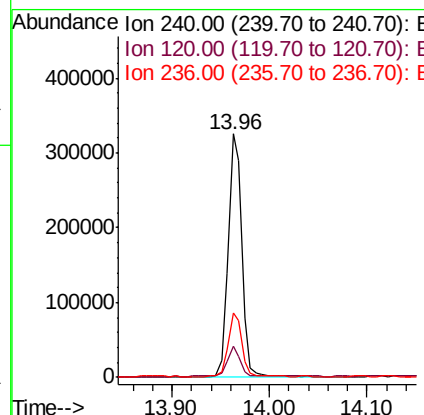
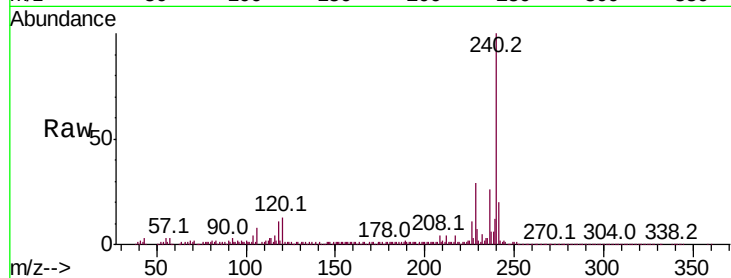
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF121232.D
Acq: 7 Aug 2020 15:29

Instrument :
BNA_F
ClientSampleId :
8420

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.3	13.9
236	26.4	21.1	31.7

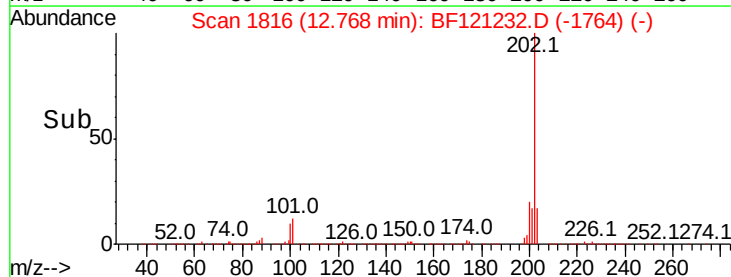
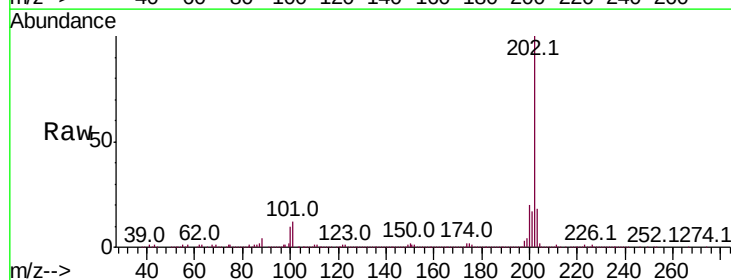
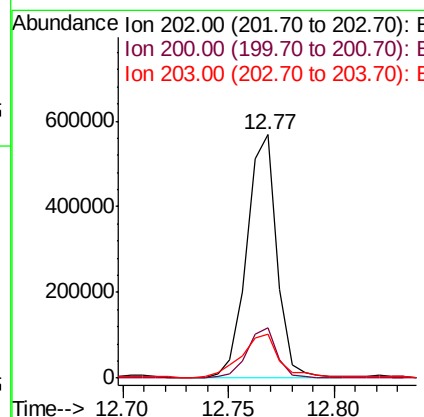
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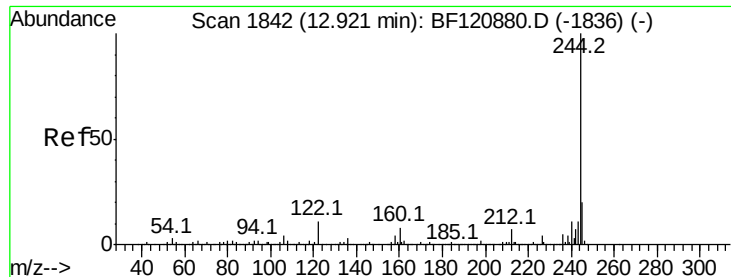
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#78
Pyrene
Concen: 25.440 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF121232.D
Acq: 7 Aug 2020 15:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.6
203	17.8	14.6	21.8





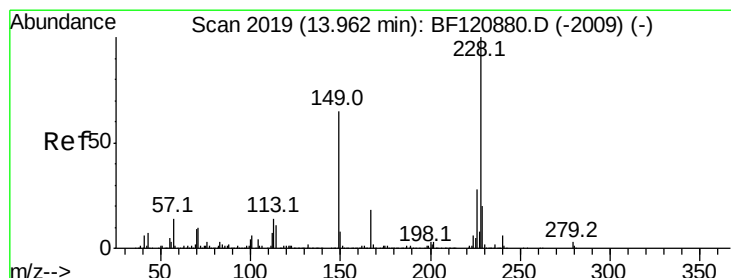
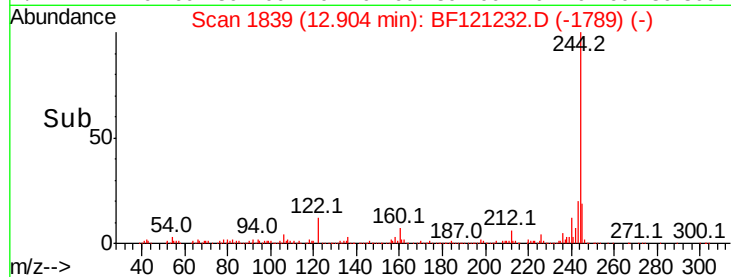
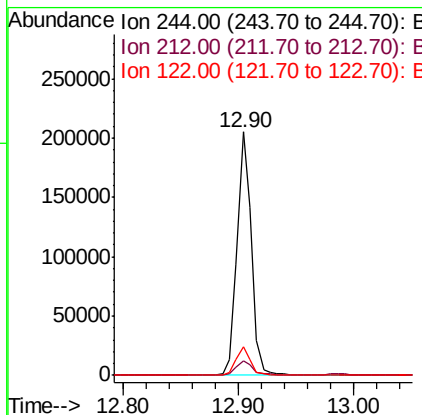
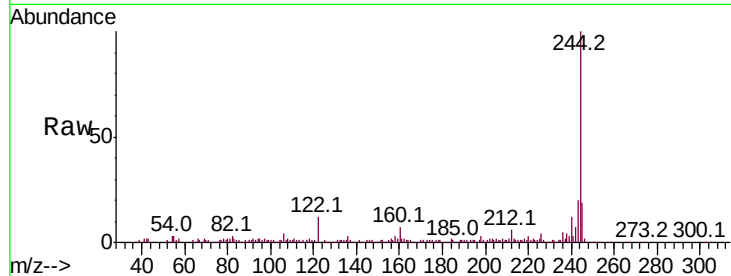
#79
 Terphenyl-d14
 Concen: 12.267 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF121232.D
 Acq: 7 Aug 2020 15:29

Instrument :
 BNA_F
 ClientSampled :
 8420

Tot Ion:	244	Resp:	176003
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.7	8.5
122	11.6	8.3	12.5

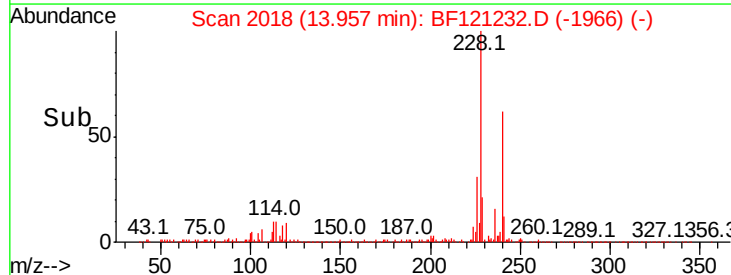
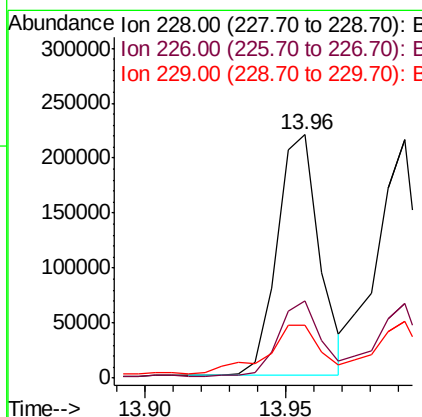
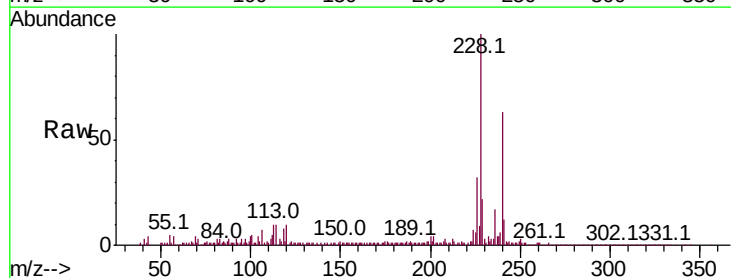
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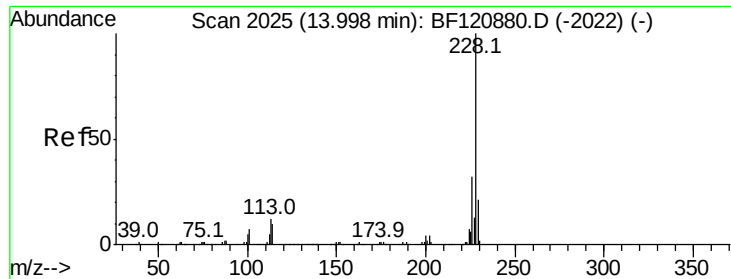
mohammad
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#81
 Benzo(a)anthracene
 Concen: 12.145 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BF121232.D
 Acq: 7 Aug 2020 15:29

Tgt Ion:	228	Resp:	229369
Ion Ratio	Lower	Upper	
228	100		
226	31.8	22.6	34.0
229	21.8	16.1	24.1





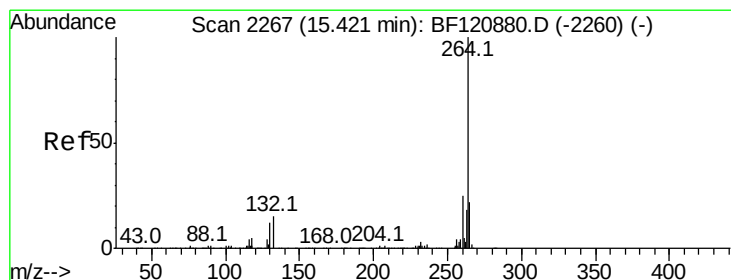
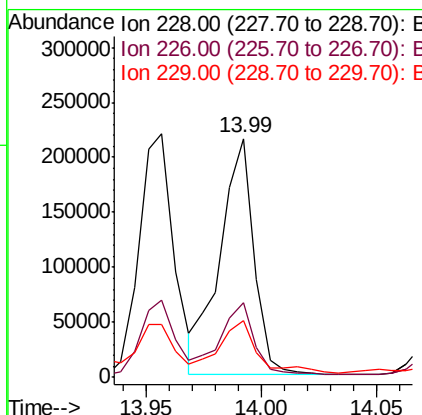
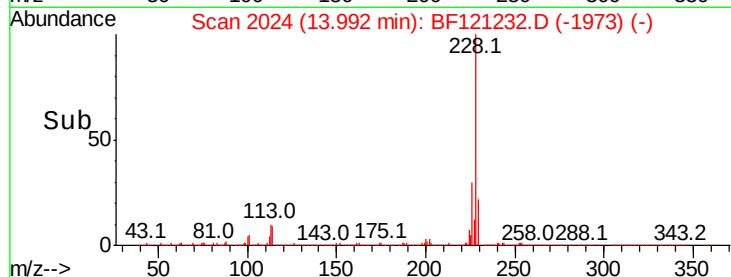
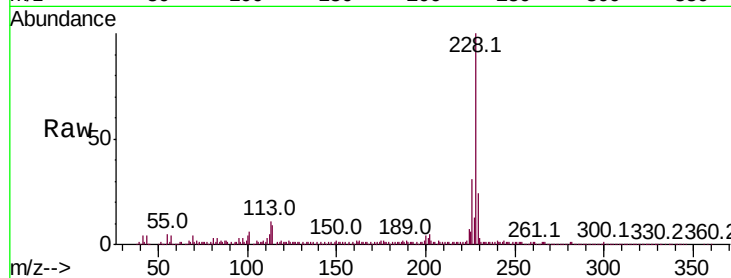
#83
Chrysene
Concen: 11.174 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BF121232.D
Acq: 7 Aug 2020 15:29

Instrument :
BNA_F
ClientSampled :
8420

Tot Ion:228	Resp:	221777
Ion Ratio	Lower	Upper
228 100		
226 31.3	25.4	38.0
229 23.9	16.2	24.4

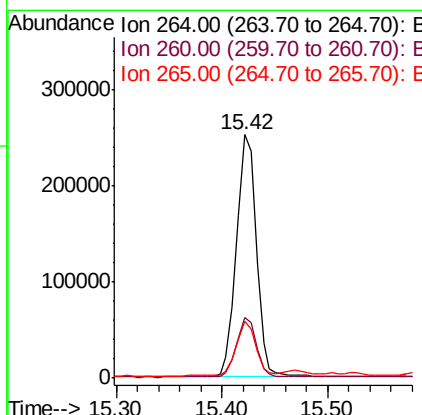
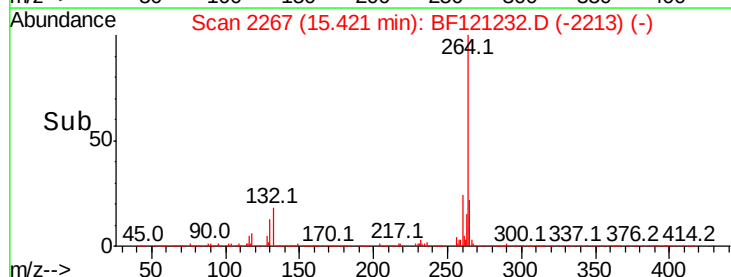
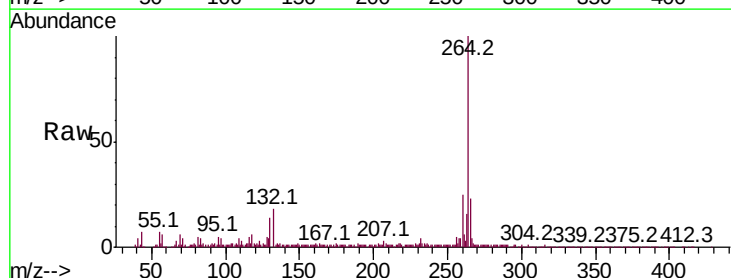
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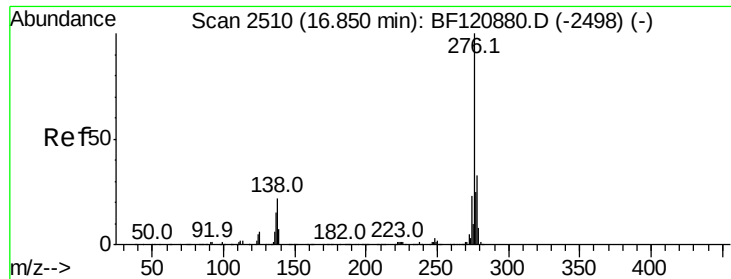
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.02 min
Lab File: BF121232.D
Acq: 7 Aug 2020 15:29

Tgt Ion:264	Resp:	329075
Ion Ratio	Lower	Upper
264 100		
260 24.9	19.9	29.9
265 23.1	17.8	26.8





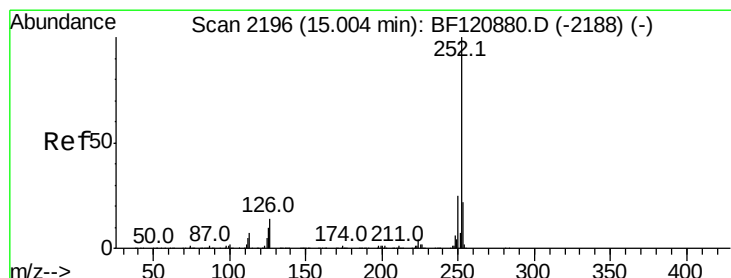
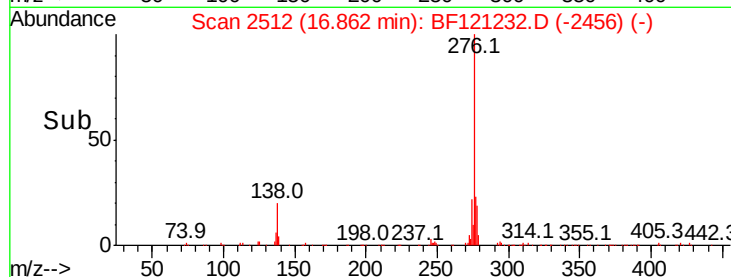
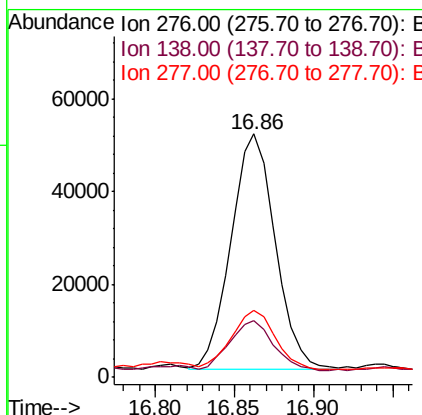
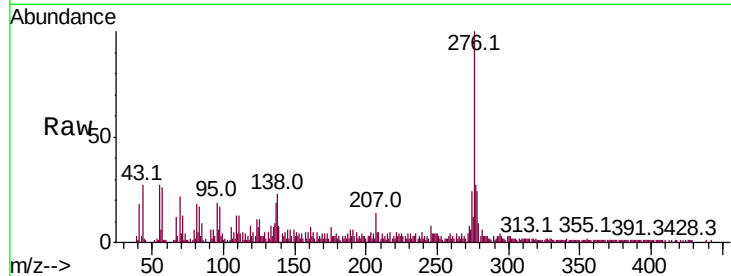
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.274 ng
 RT: 16.86 min Scan# 2512
 Delta R.T. 0.03 min
 Lab File: BF121232.D
 Acq: 7 Aug 2020 15:29

Instrument :
 BNA_F
 ClientSampleId :
 8420

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	19.3	28.9
277	25.3	20.1	30.1

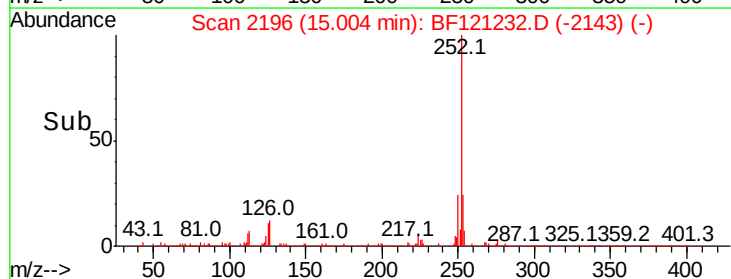
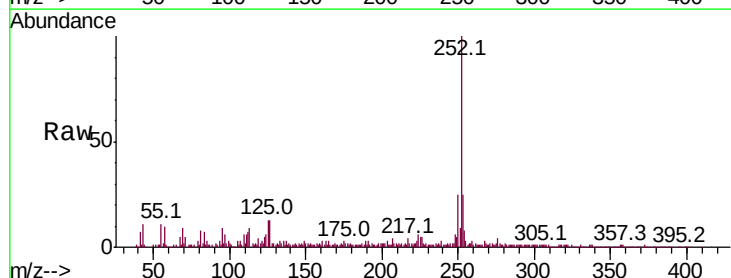
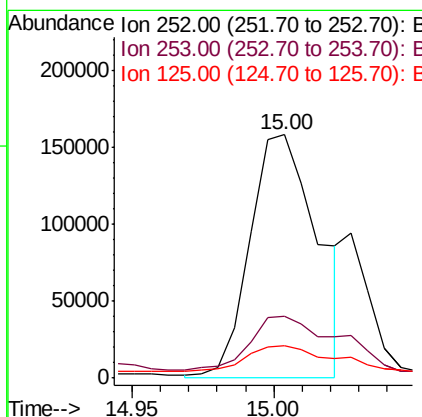
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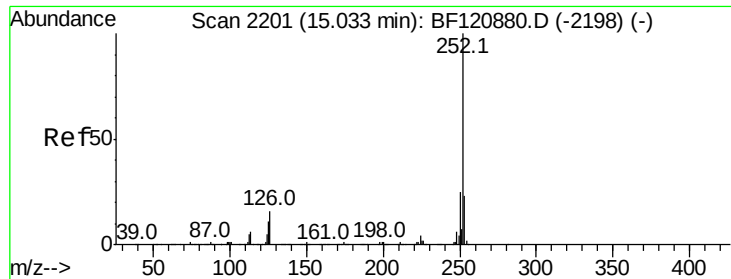
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 13.328 ng m
 RT: 15.00 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: BF121232.D
 Acq: 7 Aug 2020 15:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	13.4	8.1	12.1





#89

Benzo(k)fluoranthene

Concen: 3.724 ng

RT: 15.03 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BF121232.D

Acq: 7 Aug 2020 15:29

Instrument :

BNA_F

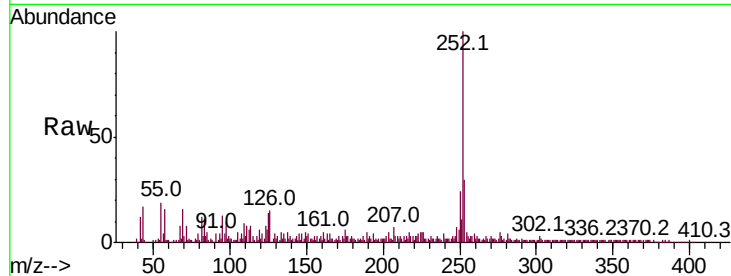
ClientSampleId :

8420

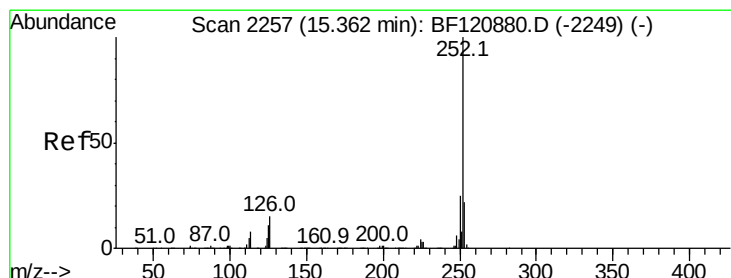
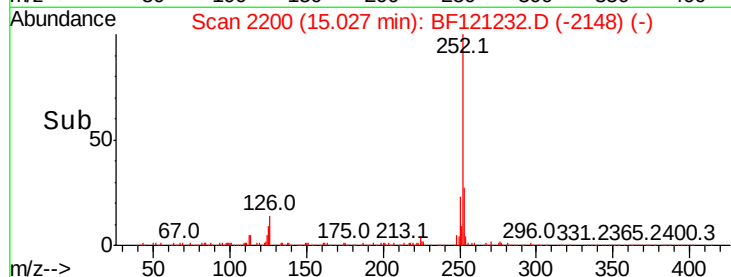
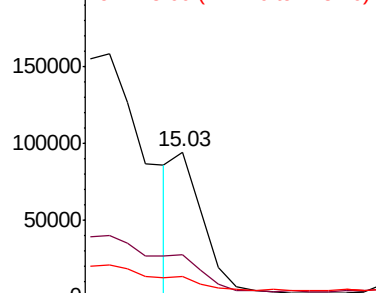
Tot Ion:	252	Resp:	67562
Ion Ratio	Lower	Upper	
252	100		
253	29.6	18.1	27.1#
125	14.0	8.0	12.0#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 10.413 ng

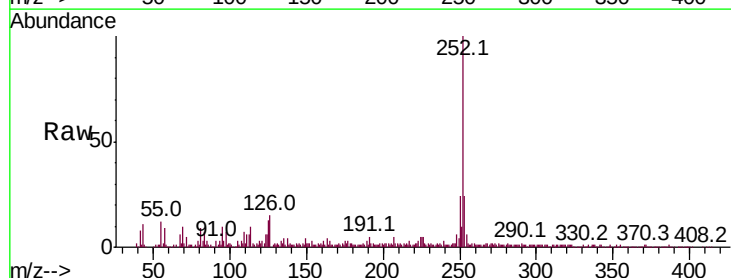
RT: 15.36 min Scan# 2257

Delta R.T. 0.02 min

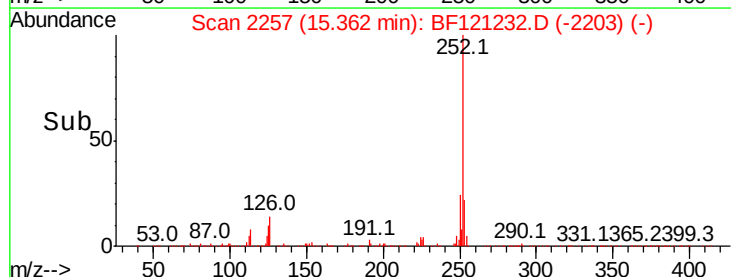
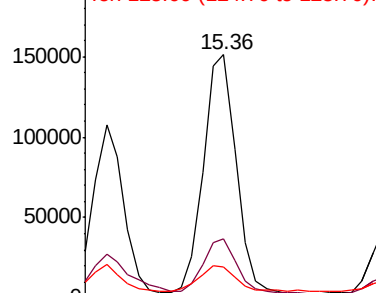
Lab File: BF121232.D

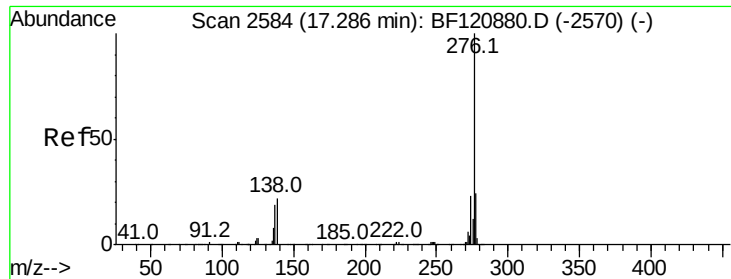
Acq: 7 Aug 2020 15:29

Tgt Ion:	252	Resp:	188975
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.0	27.0
125	13.0	9.5	14.3



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 5.287 ng
 RT: 17.30 min Scan# 2586
 Delta R.T. 0.04 min
 Lab File: BF121232.D
 Acq: 7 Aug 2020 15:29

Instrument :
 BNA_F
 ClientSampleId :
 8420

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.4	29.0
138	23.4	17.2	25.8

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