

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121106.D
 Acq On : 29 Jul 2020 17:23
 Operator : JU/CG
 Sample : L3185-01 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-072720

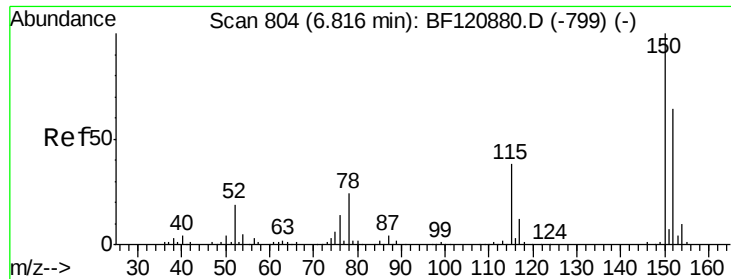
Manual Integrations
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mohammad
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Quant Time: Jul 29 18:18:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : 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	6.80	152	160842	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	601671	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	304356	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	539004	20.00	ng	0.00
76) Chrysene-d12	13.96	240	361632	20.00	ng	0.00
86) Perylene-d12	15.40	264	422485	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	390818	39.83	ng	0.00
7) Phenol-d6	6.44	99	470225	37.10	ng	0.00
23) Nitrobenzene-d5	7.36	82	299602	28.81	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	127268	38.20	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	588708	28.88	ng	0.00
79) Terphenyl-d14	12.90	244	489437	29.42	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.55	163	90109	4.104	ng	99
71) Phenanthrene	11.34	178	560740	20.228	ng	99
72) Anthracene	11.39	178	140767	5.057	ng	97
75) Fluoranthene	12.53	202	867785	28.242	ng	98
78) Pyrene	12.76	202	701110	27.422	ng	98
81) Benzo(a)anthracene	13.94	228	376452	17.191	ng	99
83) Chrysene	13.98	228	330587	14.365	ng	96
87) Indeno(1,2,3-cd)pyrene	16.82	276	221340	7.533	ng	95
88) Benzo(b)fluoranthene	14.99	252	450963m	17.659	ng	
89) Benzo(k)fluoranthene	15.01	252	136635m	5.867	ng	
90) Benzo(a)pyrene	15.34	252	311513	13.370	ng	98
91) Dibenzo(a,h)anthracene	16.83	278	56503m	2.354	ng	
92) Benzo(a,h,i)perylene	17.25	276	185705	7.847	ng	99

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



#1

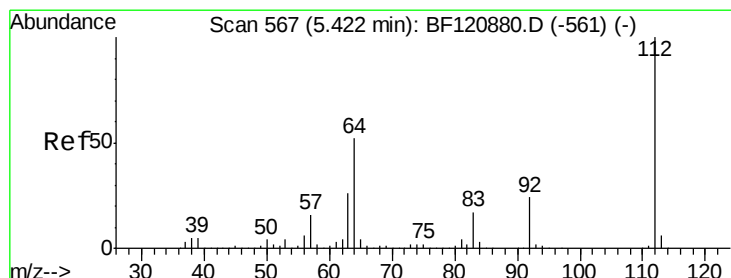
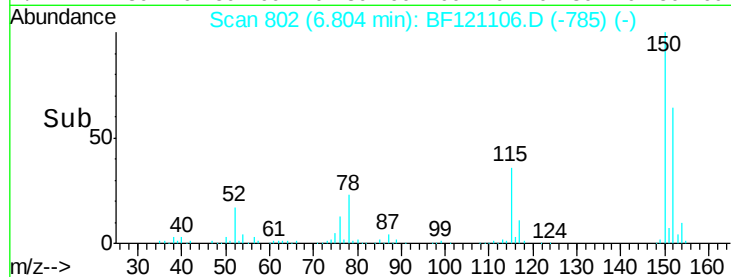
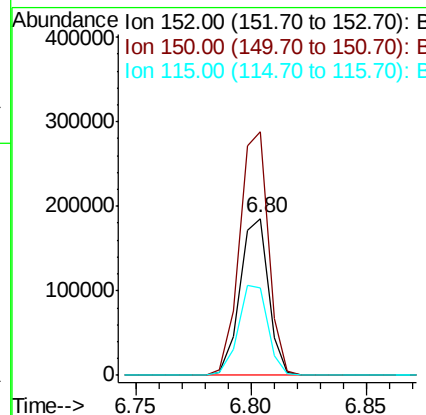
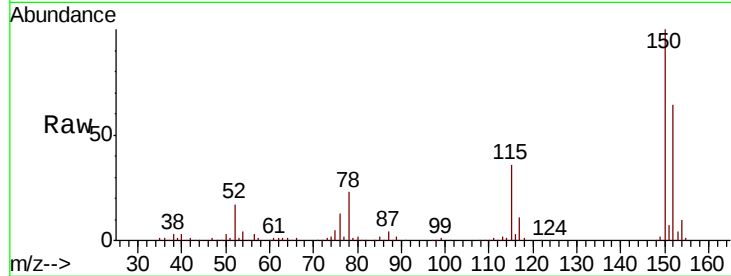
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.6	188.4
115	55.8	46.2	69.2

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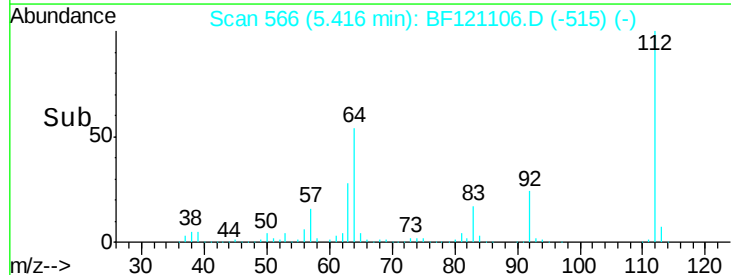
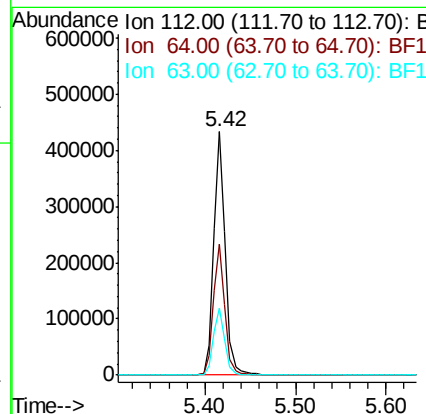
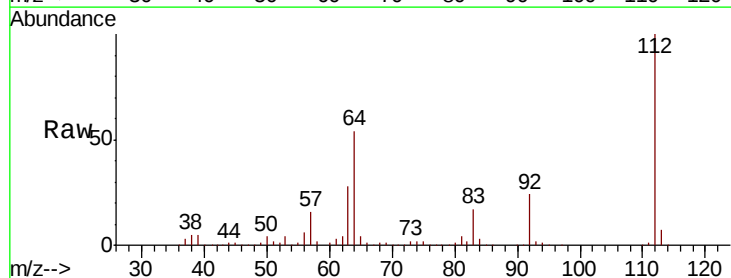
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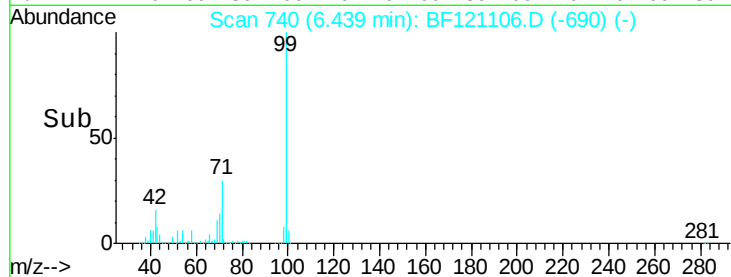
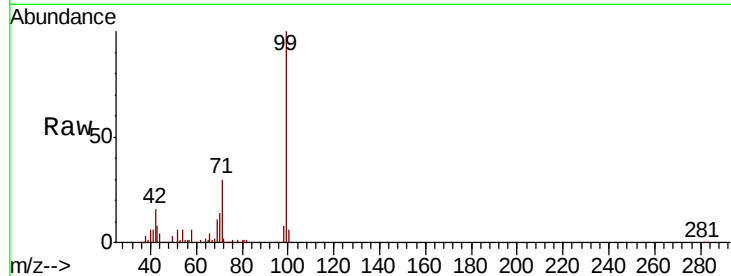
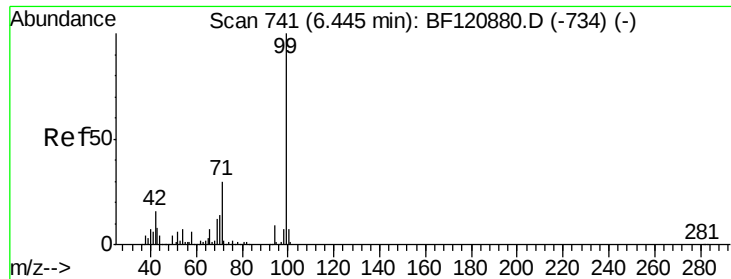


#5

2-Fluorophenol
Concen: 39.833 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	43.9	65.9
63	27.6	22.7	34.1





#7

Phenol-d6

Concen: 37.102 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		470225		
42	16.2	13.5	20.3		
71	30.1	25.0	37.4		

Instrument :

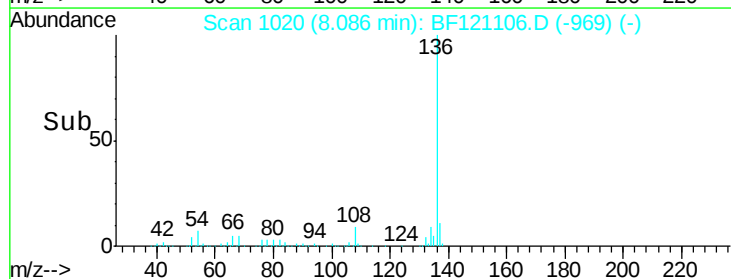
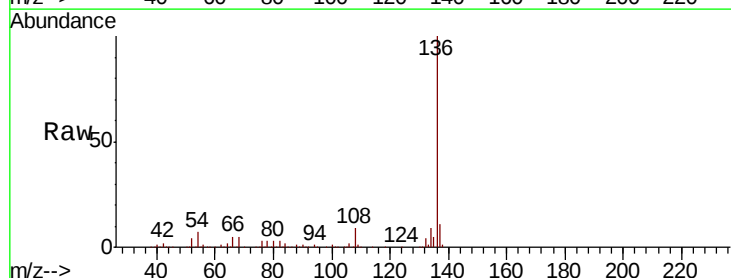
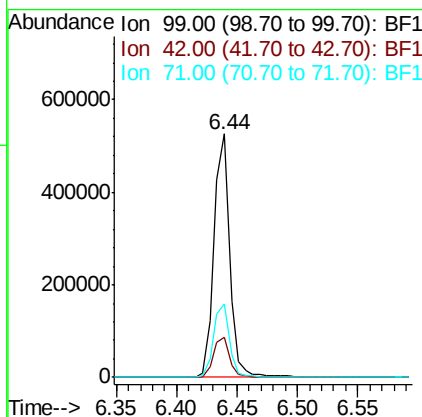
BNA_F

ClientSampleId :

PL-05-072720

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#21

Naphthalene-d8

Concen: 20.000 ng

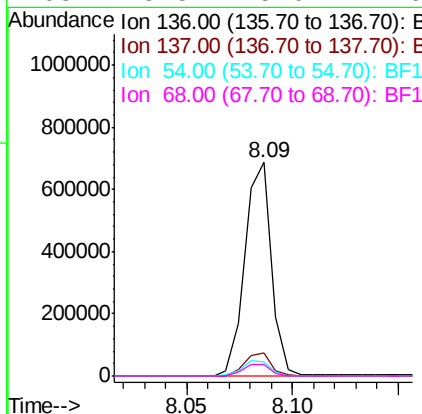
RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		601671		
137	10.9	9.0	13.4		
54	6.6	6.1	9.1		
68	5.5	5.0	7.6		





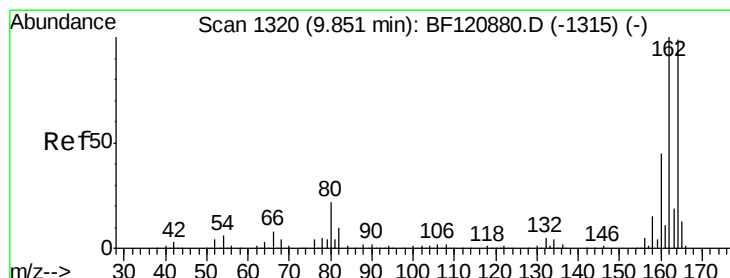
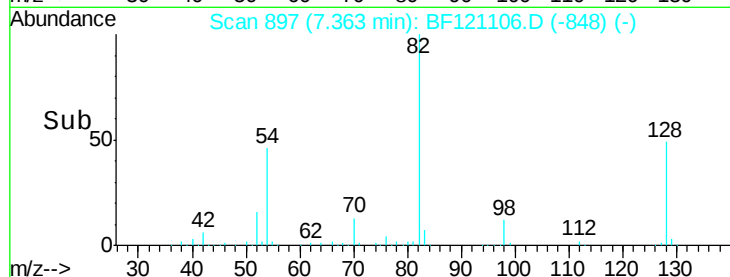
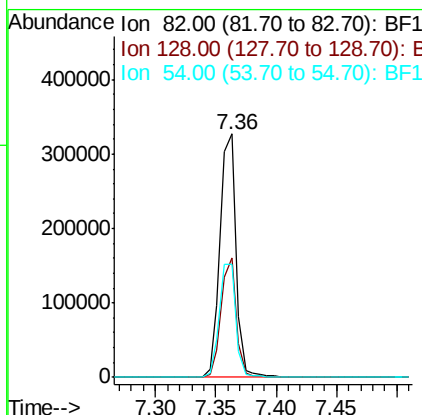
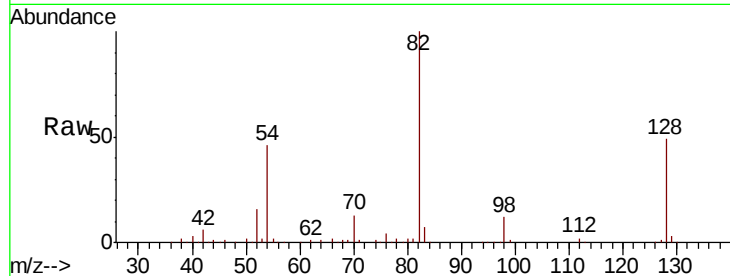
#23
 Nitrobenzene-d5
 Concen: 28.813 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF121106.D
 Acq: 29 Jul 2020 17:23

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-072720

Tot Ion	82	Resp	299602
Ion Ratio	Lower	Upper	
82	100		
128	49.3	39.2	58.8
54	46.2	37.8	56.8

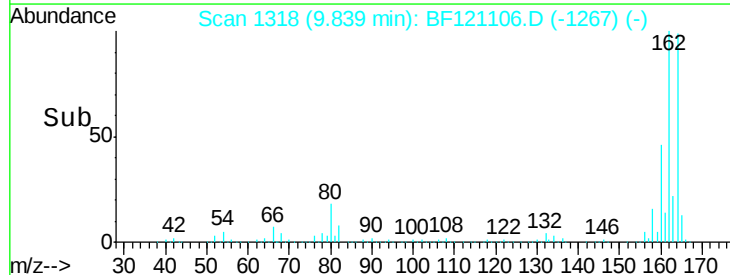
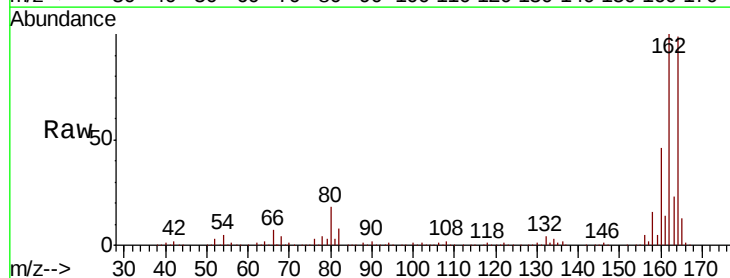
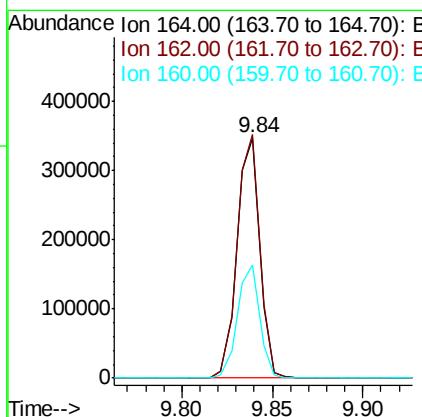
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: BF121106.D
 Acq: 29 Jul 2020 17:23

Tgt Ion	164	Resp	304356
Ion Ratio	Lower	Upper	
164	100		
162	101.3	82.2	123.2
160	46.9	37.2	55.8





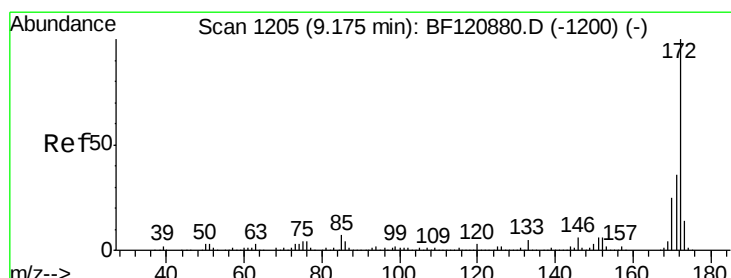
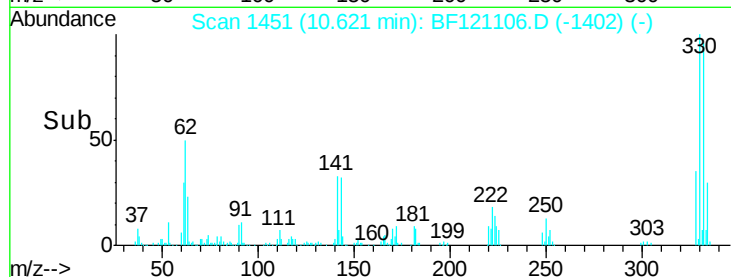
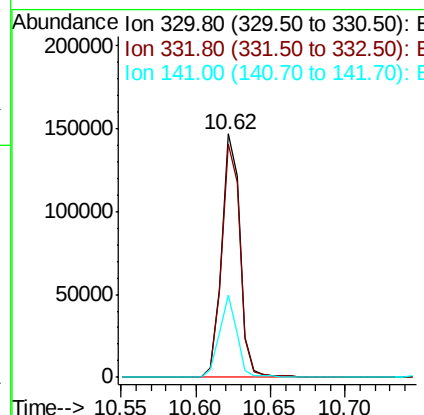
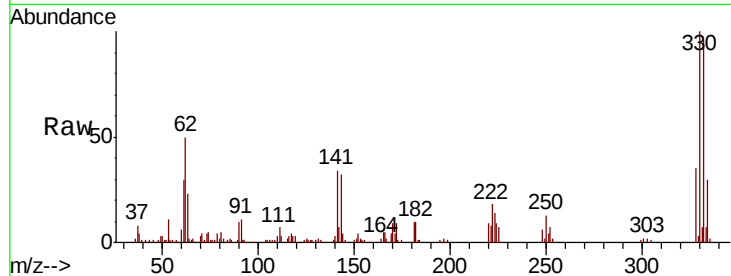
#42
 2,4,6-Tribromophenol
 Concen: 38.202 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF121106.D
 Acq: 29 Jul 2020 17:23

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-072720

Tot Ion	Ratio	Resp	Lower	Upper
330	100	127268		
332	96.7	76.1	114.1	
141	32.5	24.1	36.1	

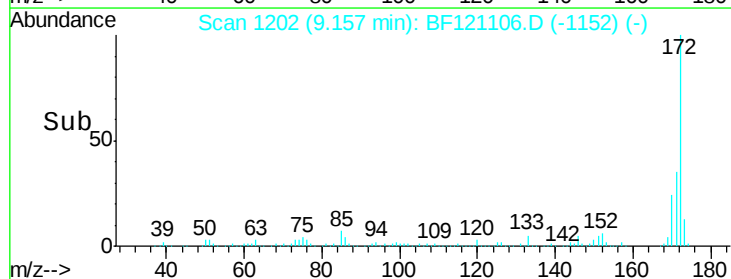
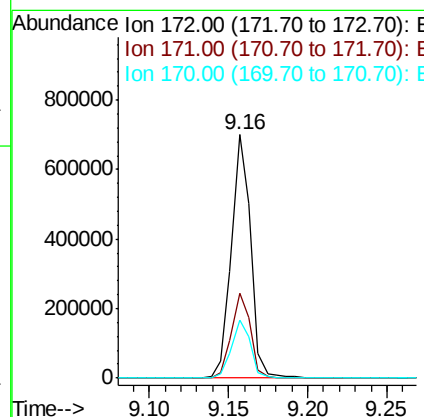
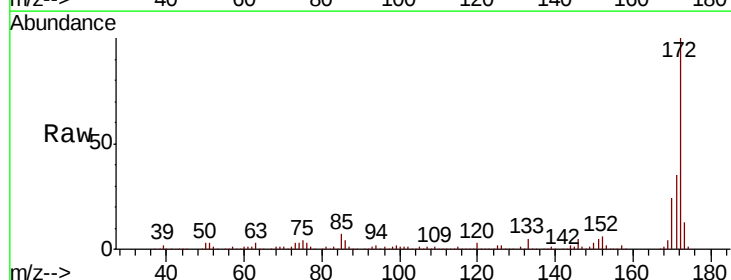
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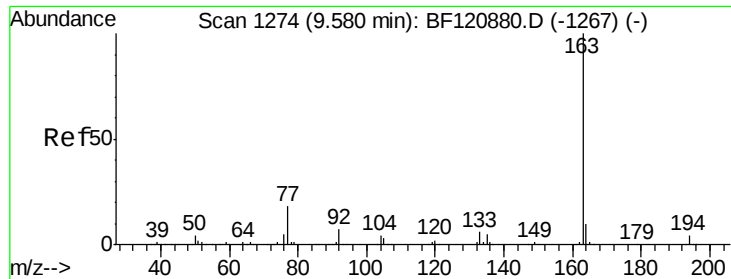
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#45
 2-Fluorobiphenyl
 Concen: 28.880 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121106.D
 Acq: 29 Jul 2020 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	588708		
171	35.0	29.0	43.4	
170	24.0	19.6	29.4	





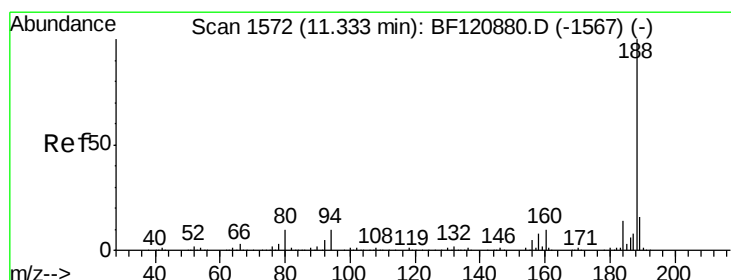
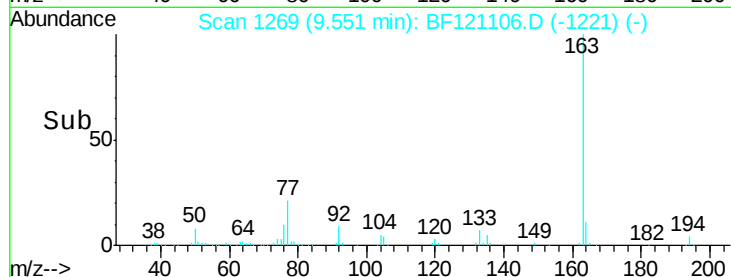
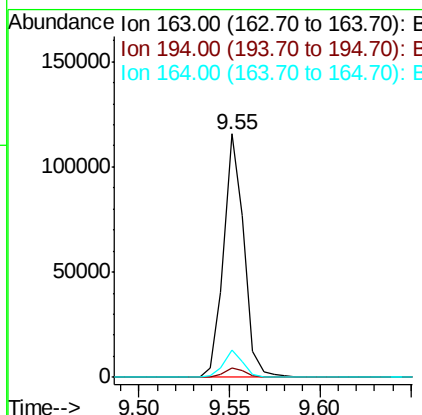
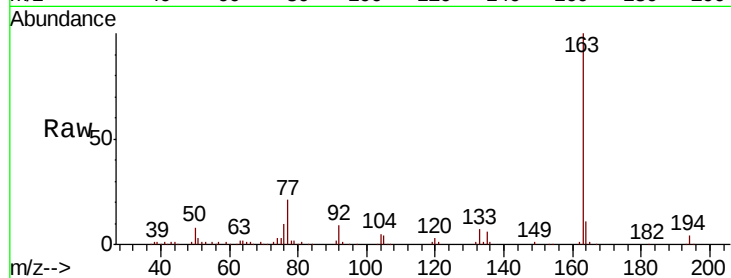
#50
Dimethylphthalate
Concen: 4.104 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	3.6		3.0	4.4	
164	11.0		8.4	12.6	

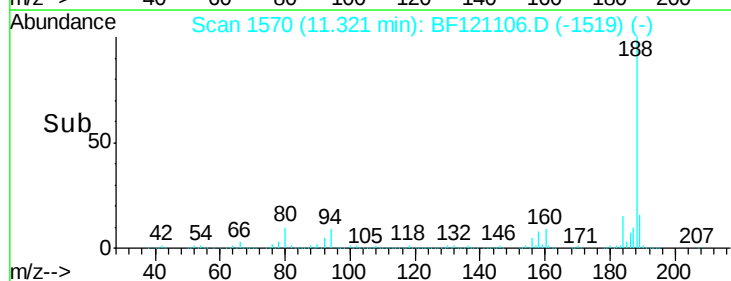
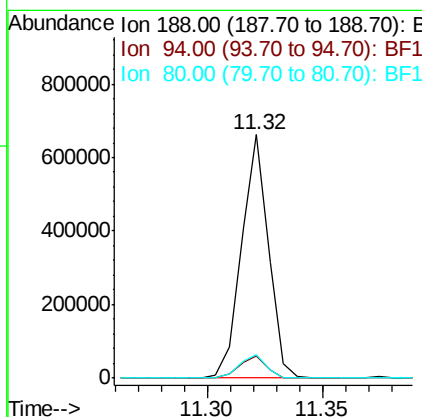
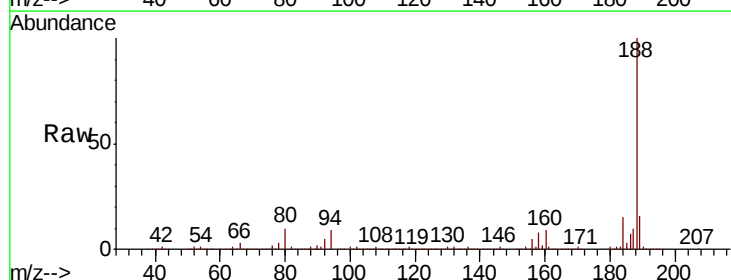
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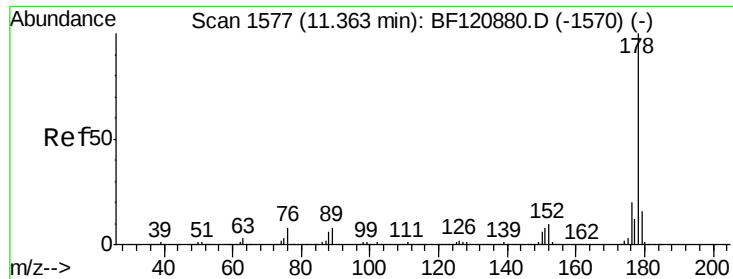
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.3		8.0	12.0	
80	9.6		8.3	12.5	





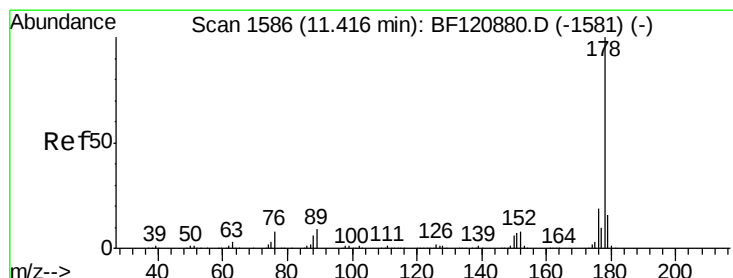
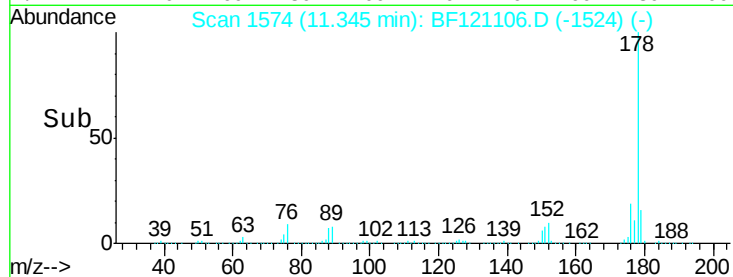
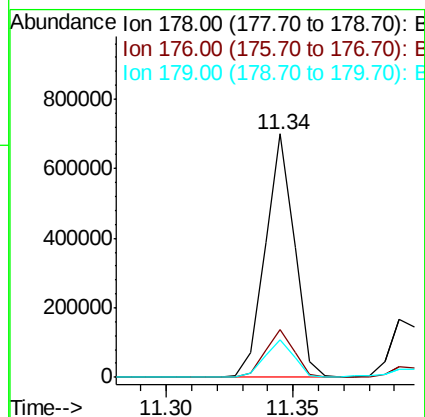
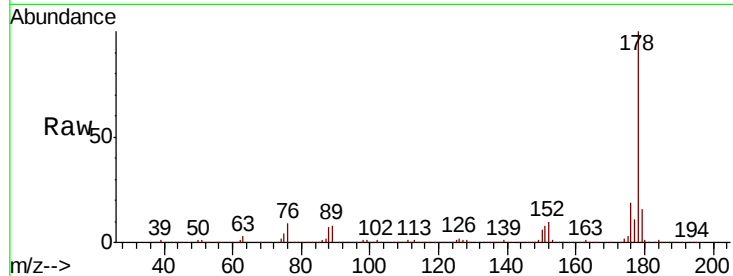
#71
Phenanthrene
Concen: 20.228 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

Tot Ion:178	Resp:	560740
Ion Ratio	Lower	Upper
178	100	
176	19.5	16.2 24.2
179	15.6	12.6 19.0

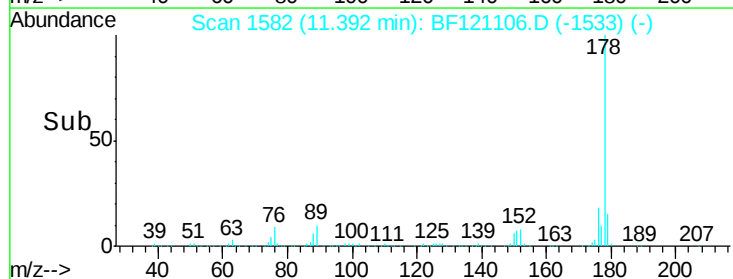
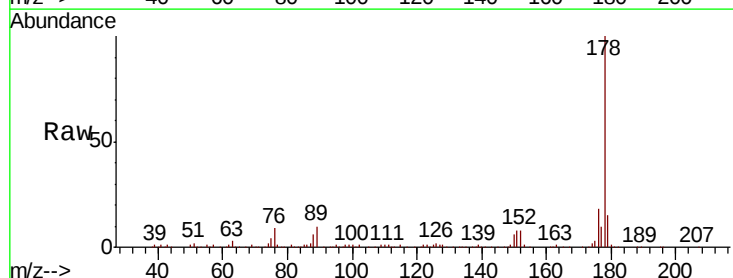
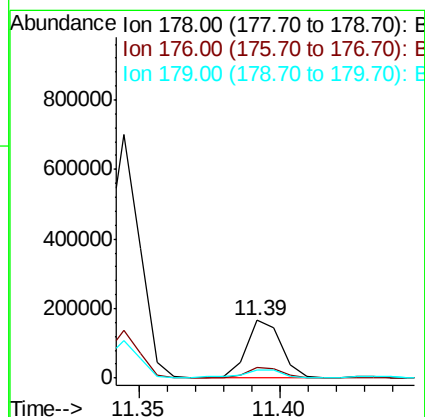
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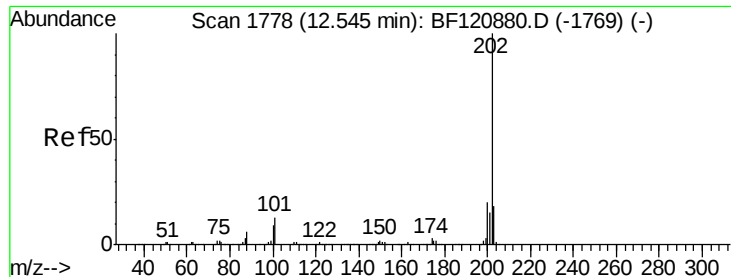
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#72
Anthracene
Concen: 5.057 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Tgt Ion:178	Resp:	140767
Ion Ratio	Lower	Upper
178	100	
176	18.0	15.8 23.8
179	15.1	12.6 19.0





#75

Fluoranthene

Concen: 28.242 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

Instrument :

BNA_F

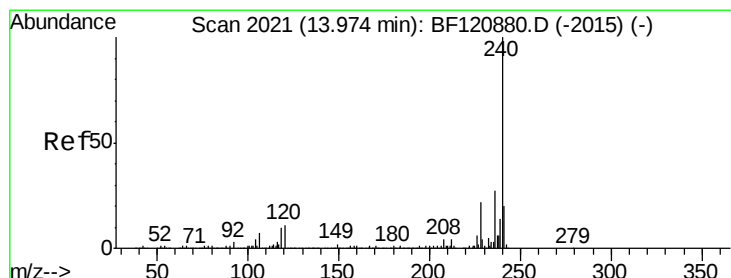
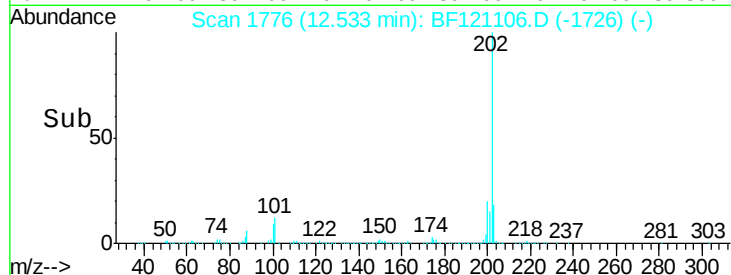
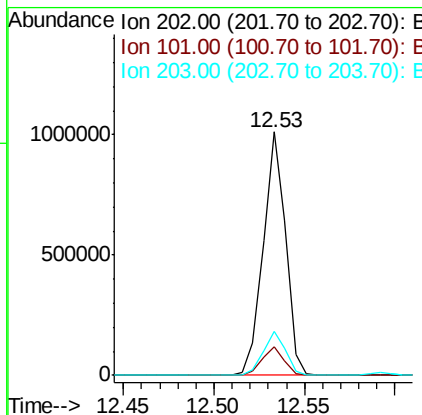
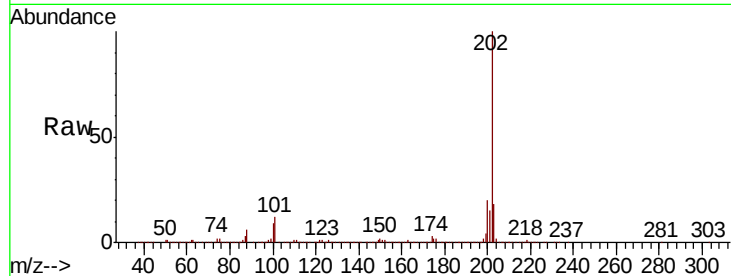
ClientSampleId :

PL-05-072720

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.0	0.0	30.5
203	18.3	0.0	37.7

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#76

Chrysene-d12

Concen: 20.000 ng

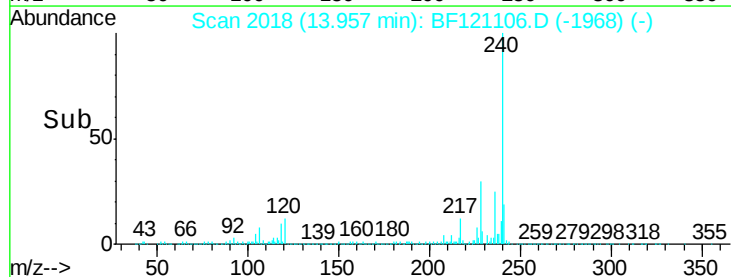
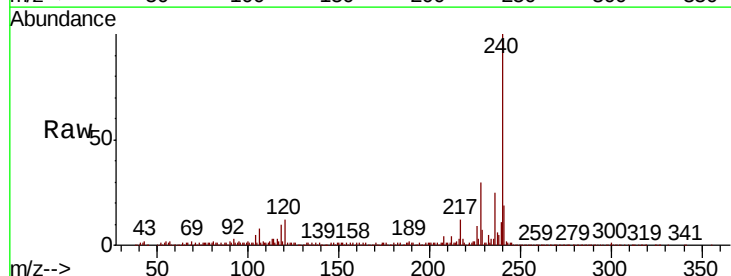
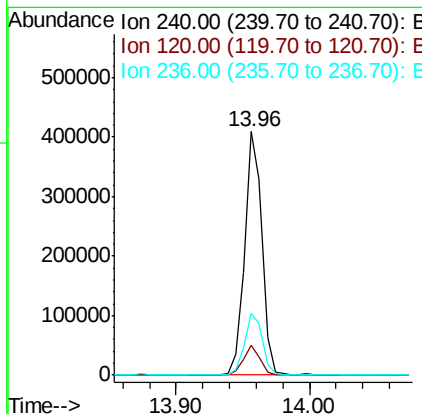
RT: 13.96 min Scan# 2018

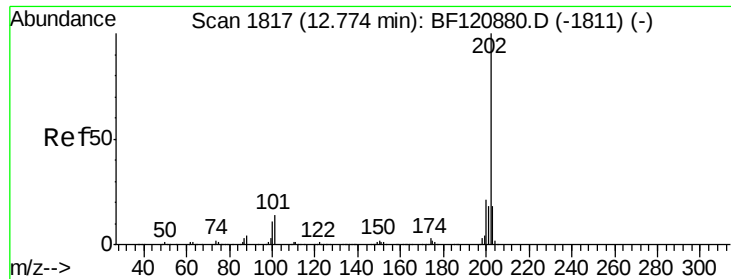
Delta R.T. -0.01 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.2	9.3	13.9
236	25.3	21.1	31.7





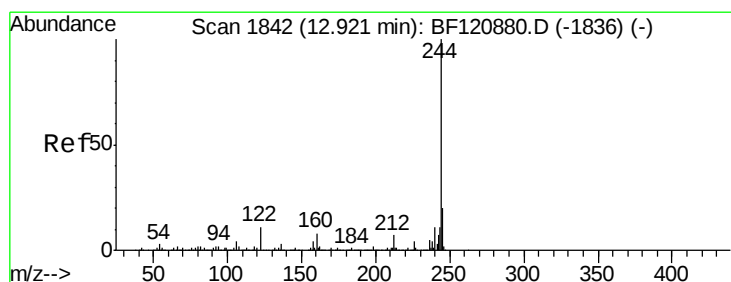
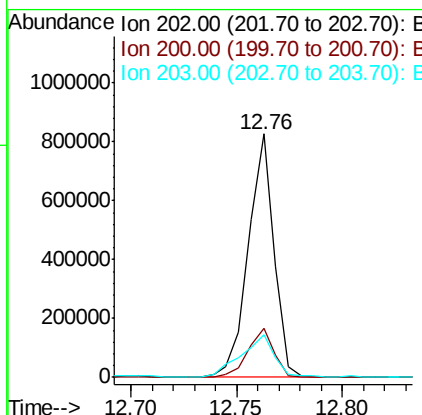
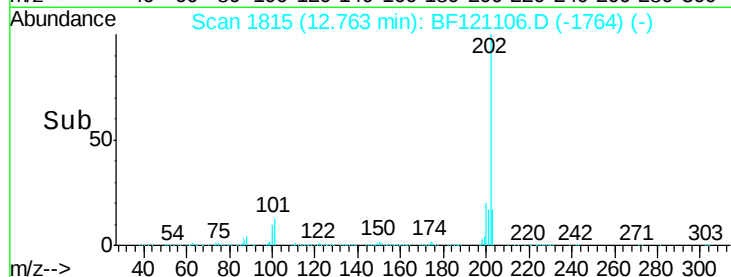
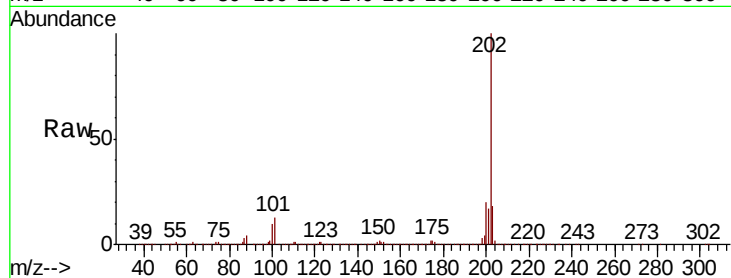
#78
Pvrene
Concen: 27.422 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

Tot Ion	Ratio	Resp	Lower	Upper
202	100	701110		
200	20.2		17.0	25.6
203	17.7		14.6	21.8

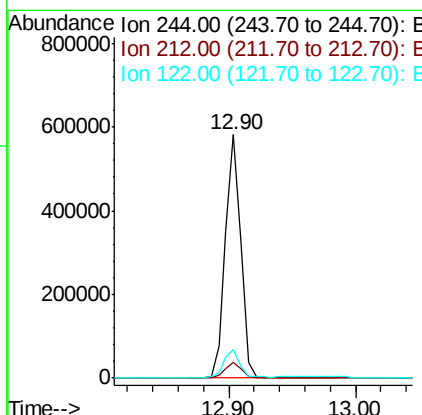
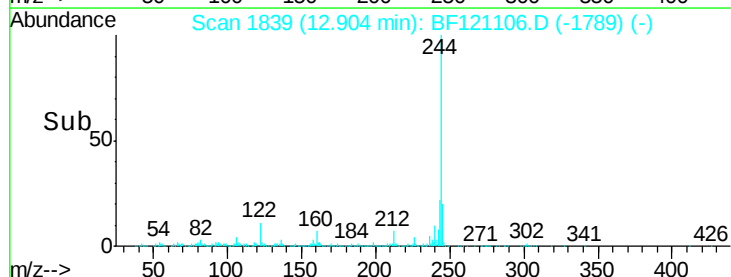
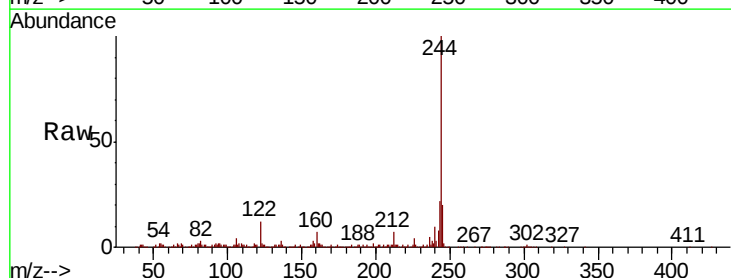
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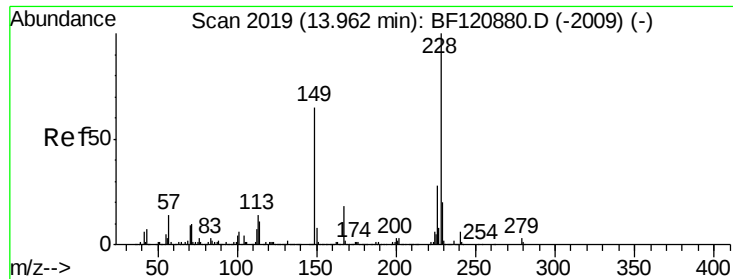
mohammad
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#79
Terphenyl-d14
Concen: 29.420 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	489437		
212	6.7		5.7	8.5
122	11.6		8.3	12.5





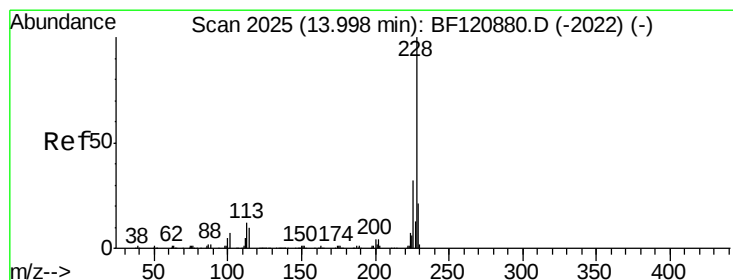
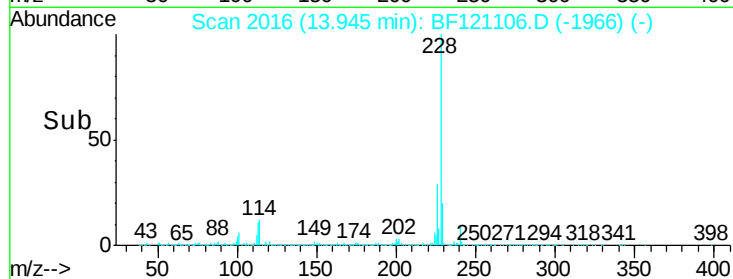
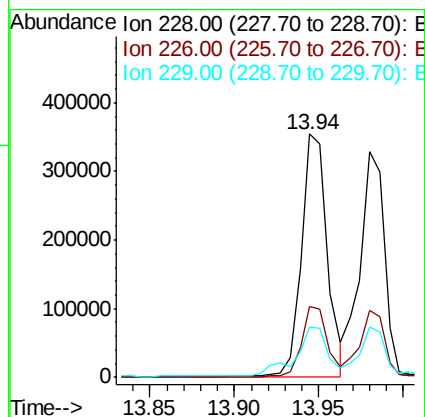
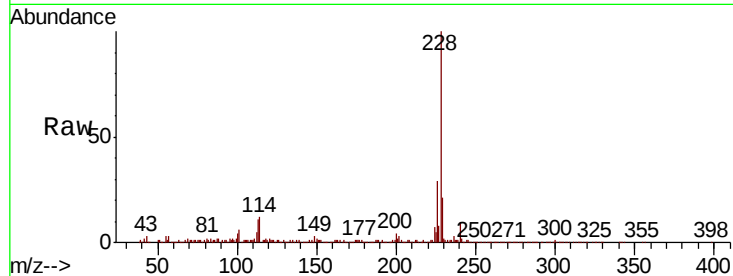
#81
Benzo(a)anthracene
Concen: 17.191 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	28.9	22.6	34.0		
229	20.6	16.1	24.1		

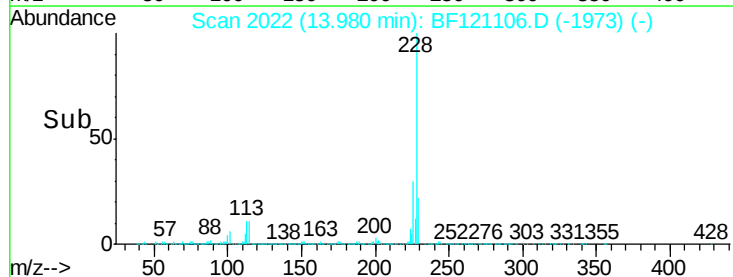
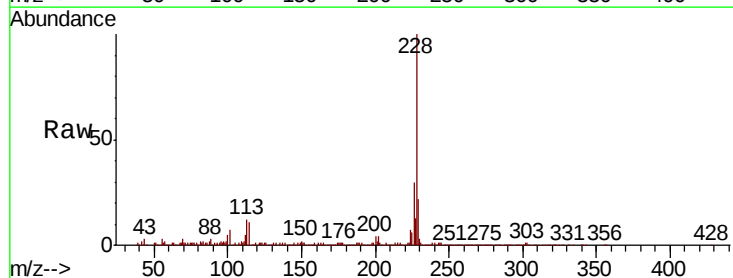
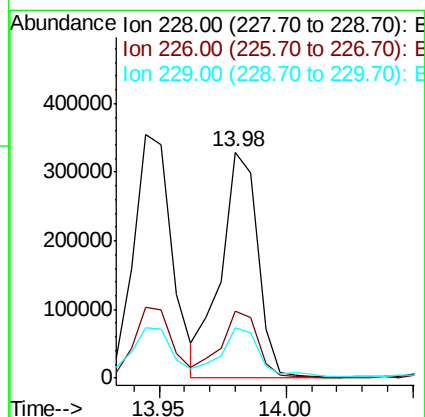
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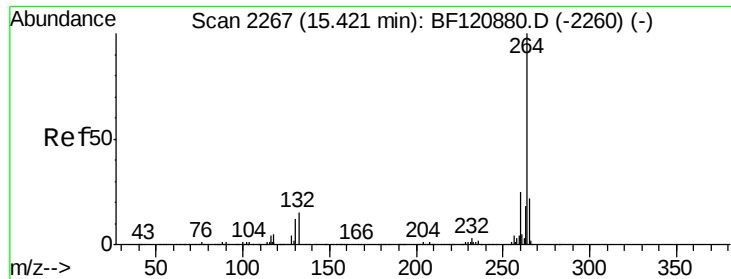
mohammad
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#83
Chrysene
Concen: 14.365 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	29.8	25.4	38.0		
229	22.4	16.2	24.4		





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. -0.00 min

Lab File: BF121106.D

Acq: 29 Jul 2020 17:23

Instrument :

BNA_F

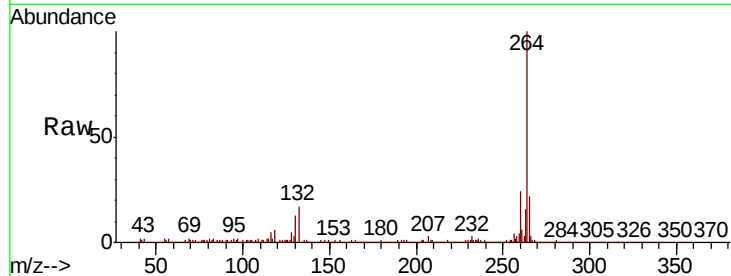
ClientSampleId :

PL-05-072720

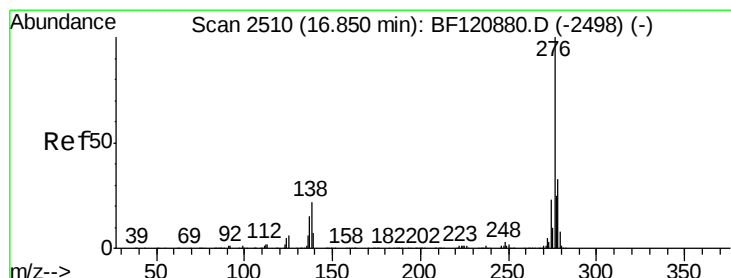
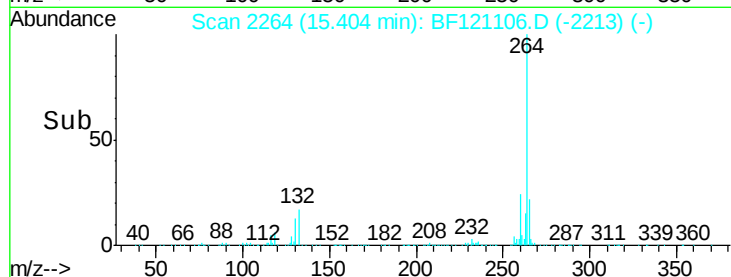
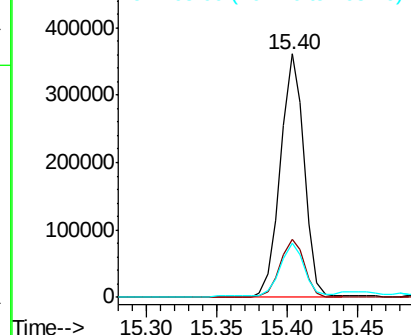
Tot Ion:	264	Resp:	422485
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.9	29.9
265	22.1	17.8	26.8

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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: 7.533 ng

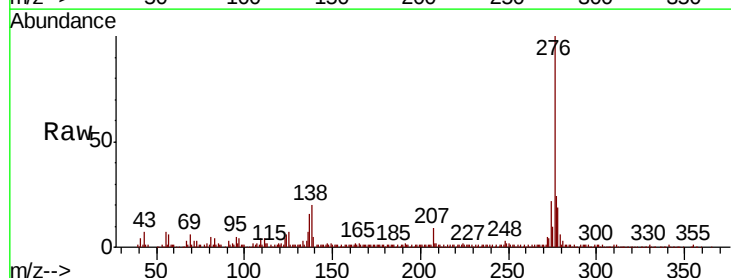
RT: 16.82 min Scan# 2505

Delta R.T. -0.01 min

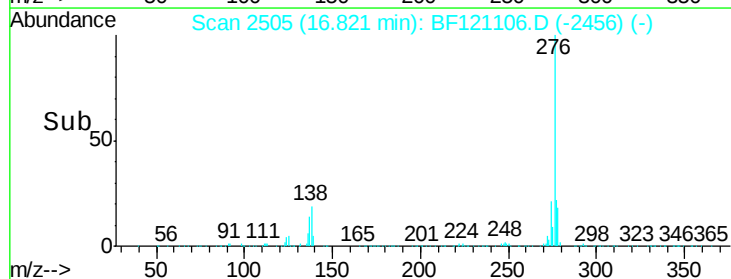
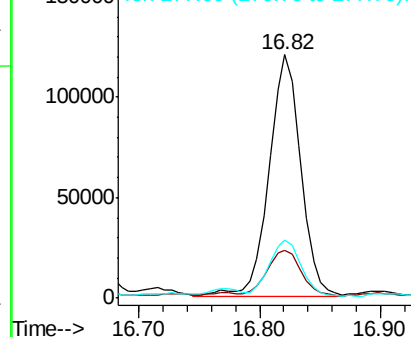
Lab File: BF121106.D

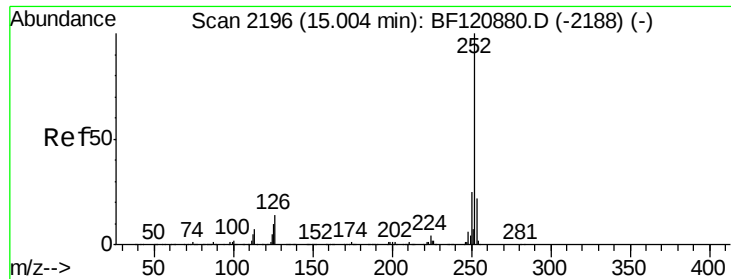
Acq: 29 Jul 2020 17:23

Tgt Ion:	276	Resp:	221340
Ion Ratio	Lower	Upper	
276	100		
138	20.4	19.3	28.9
277	23.5	20.1	30.1



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





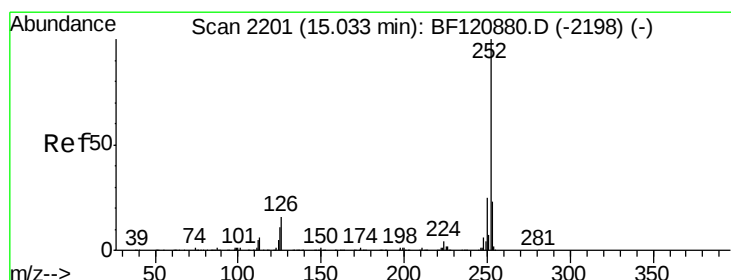
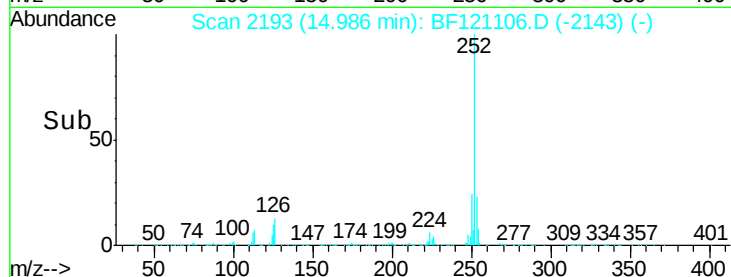
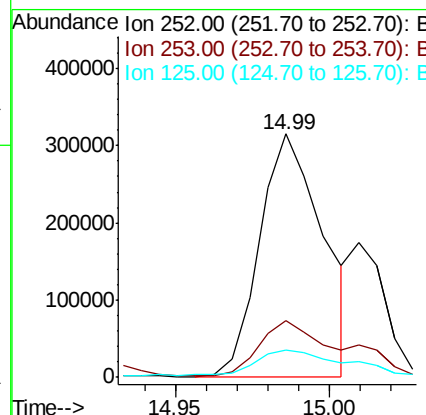
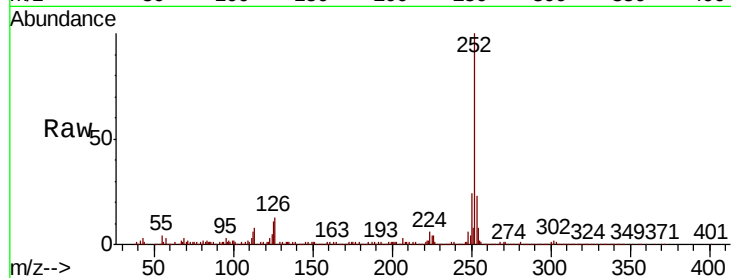
#88
Benzo(b)fluoranthene
Concen: 17.659 ng m
RT: 14.99 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	11.4	8.1	12.1

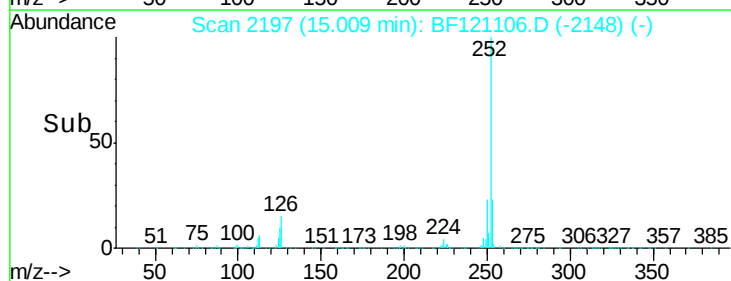
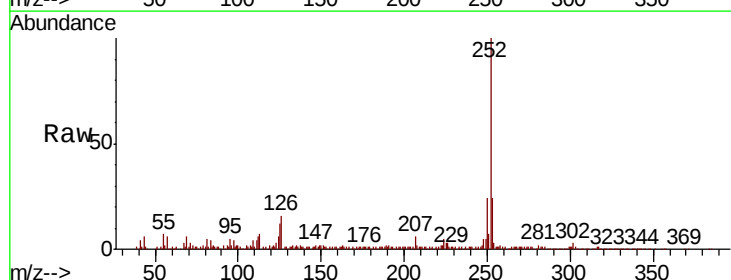
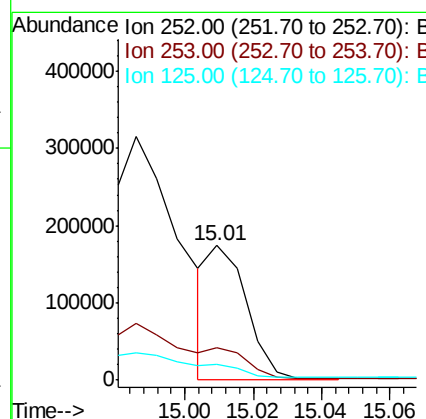
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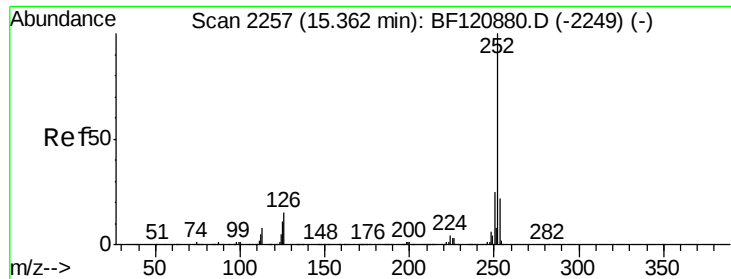
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#89
Benzo(k)fluoranthene
Concen: 5.867 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	12.0	8.0	12.0





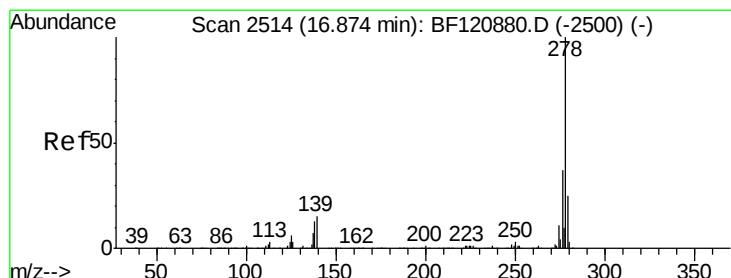
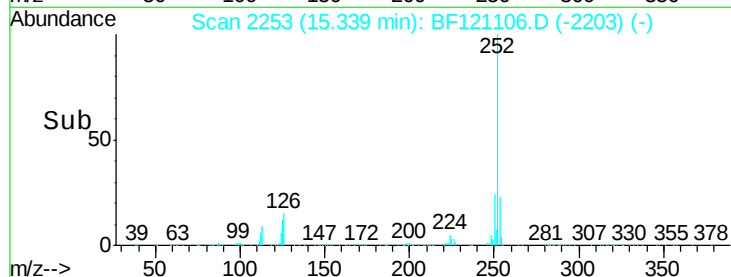
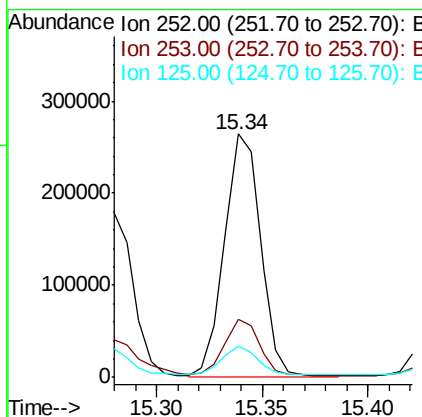
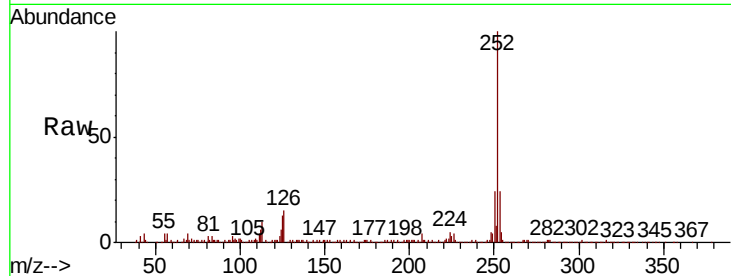
#90
Benzo(a)pyrene
Concen: 13.370 ng
RT: 15.34 min Scan# 2253
Delta R.T. -0.01 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Instrument :
BNA_F
ClientSampleId :
PL-05-072720

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	12.7	9.5	14.3

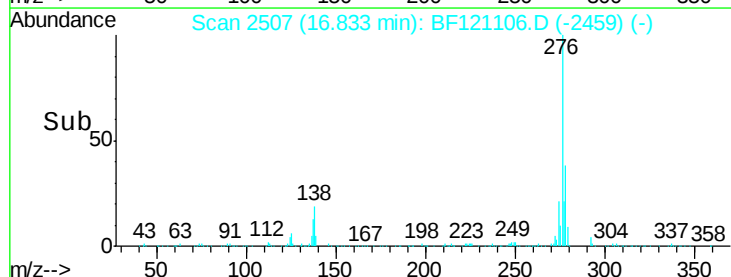
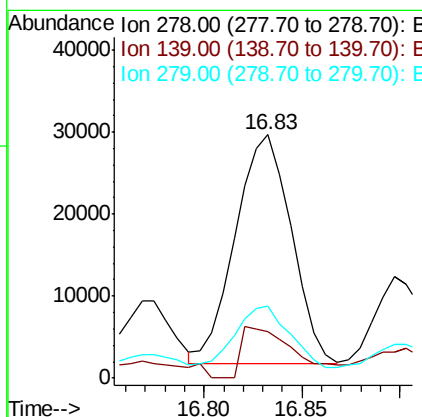
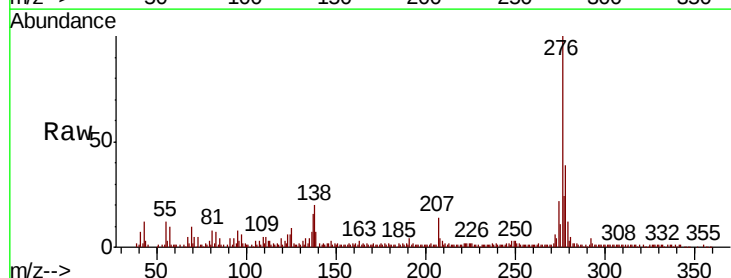
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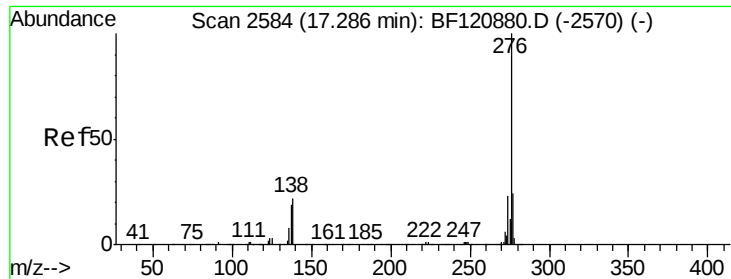
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#91
Dibenzo(a,h)anthracene
Concen: 2.354 ng m
RT: 16.83 min Scan# 2507
Delta R.T. -0.02 min
Lab File: BF121106.D
Acq: 29 Jul 2020 17:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.9	12.6	18.8#
279	29.9	19.5	29.3#





#92
 Benzo(a,h,i)perylene
 Concen: 7.847 ng
 RT: 17.25 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: BF121106.D
 Acq: 29 Jul 2020 17:23

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-072720

Tot Ion:	276	Resp:	185705
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.4	29.0
138	21.2	17.2	25.8

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