

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042320\
 Data File : BF120183.D
 Acq On : 24 Apr 2020 2:24
 Operator : MA/SJ
 Sample : L2330-03DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-10-1DL

Manual Integrations
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Quant Time: Apr 24 04:23:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:31:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	194186	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	826031	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	426824	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	770705	20.00	ng	0.00
76) Chrysene-d12	13.82	240	498713	20.00	ng	0.00
87) Perylene-d12	15.23	264	424669	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	166827	14.85	ng	0.00
7) Phenol-d6	6.30	99	227995	15.75	ng	-0.01
23) Nitrobenzene-d5	7.22	82	150561	9.43	ng	-0.02
42) 2,4,6-Tribromophenol	10.49	330	59218	11.33	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	328126	10.91	ng	-0.01
79) Terphenyl-d14	12.77	244	353216	11.92	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.97	128	186212	4.28	ng	98
38) 1-Methylnaphthalene	8.76	142	97416	3.51	ng	97
52) Acenaphthene	9.73	154	371258	13.19	ng	100
55) Dibenzofuran	9.90	168	296496	7.67	ng	99
58) Fluorene	10.25	166	377832	12.23	ng	99
71) Phenanthrene	11.22	178	1341626	32.71	ng	99
72) Anthracene	11.26	178	291469	6.96	ng	97
73) Carbazole	11.42	167	88838	2.24	ng	99
75) Fluoranthene	12.40	202	776314	17.54	ng	97
78) Pyrene	12.62	202	692165	16.46	ng	98
81) Benzo(a)anthracene	13.81	228	165365	5.04	ng	98
83) Chrysene	13.85	228	133649	4.01	ng	98
88) Benzo(b)fluoranthene	14.83	252	82293m	2.69	ng	
90) Benzo(a)pyrene	15.17	252	54136	2.11	ng	98

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

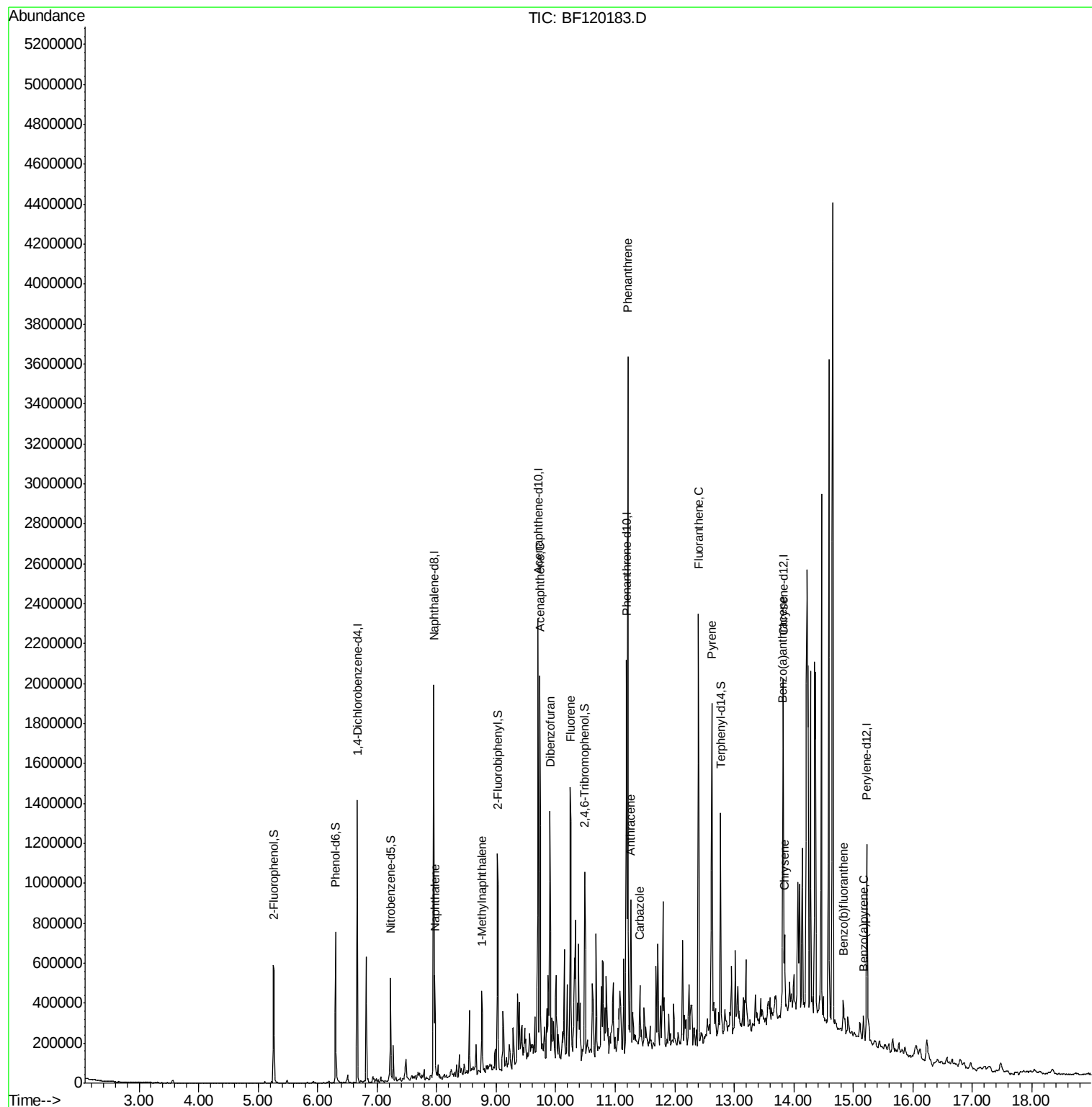
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF042320\
Data File : BF120183.D
Acq On : 24 Apr 2020 2:24
Operator : MA/SJ
Sample : L2330-03DL 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

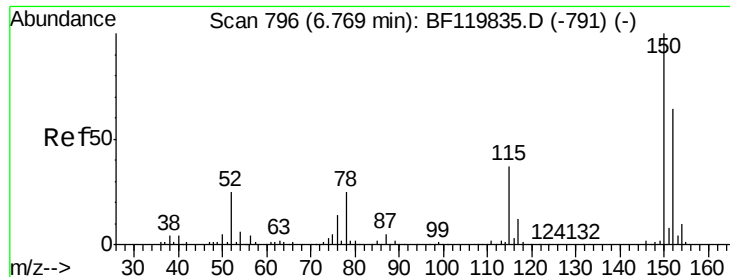
Instrument :
BNA_F
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WB-10-1DL

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Quant Time: Apr 24 04:23:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 23 13:31:01 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 778

Delta R.T. -0.00 min

Lab File: BF120183.D

Acq: 24 Apr 2020 2:24

Instrument :

BNA_F

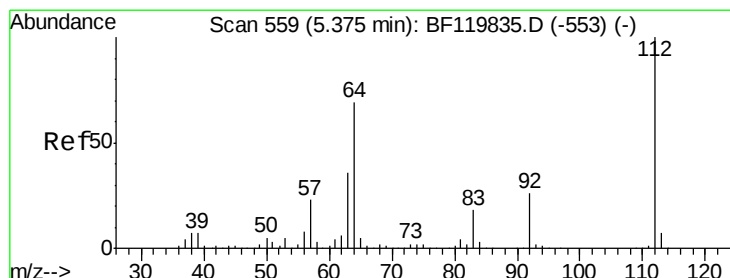
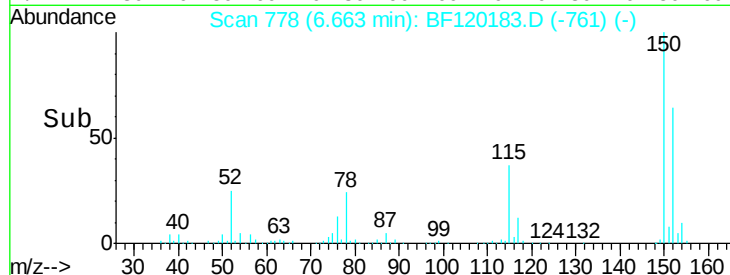
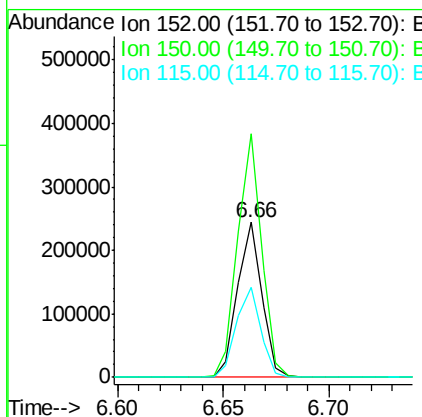
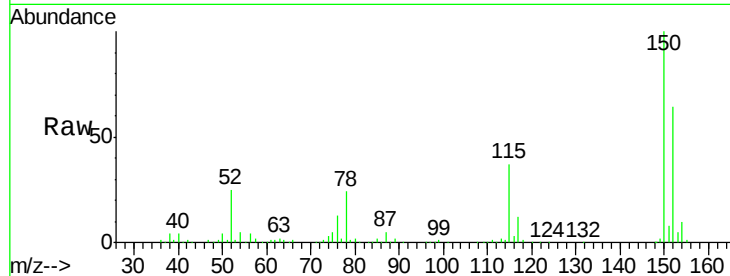
ClientSampled :

WB-10-1DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.5	186.7
115	58.4	49.6	74.4

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#5

2-Fluorophenol

Concen: 14.85 ng

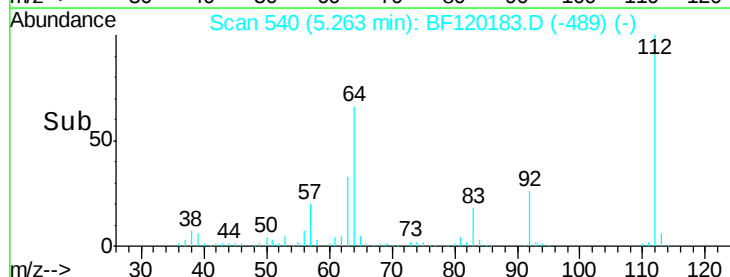
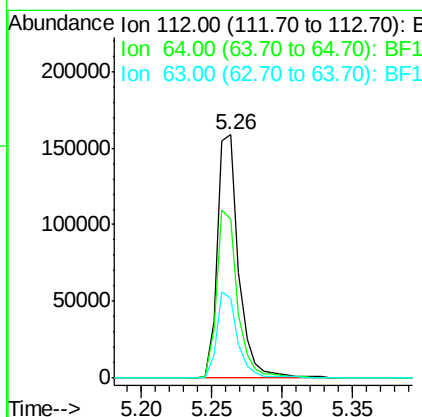
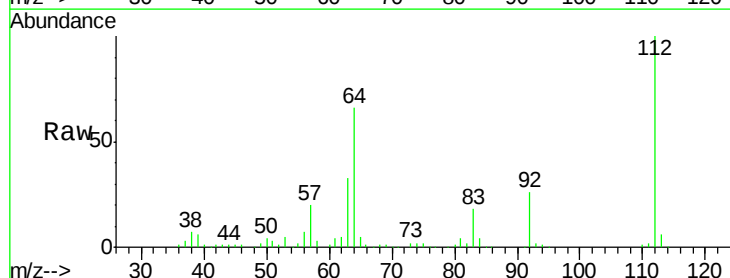
RT: 5.26 min Scan# 540

Delta R.T. -0.00 min

Lab File: BF120183.D

Acq: 24 Apr 2020 2:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	56.7	85.1
63	32.6	29.5	44.3





#7

Phenol-d6

Concen: 15.75 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF120183.D

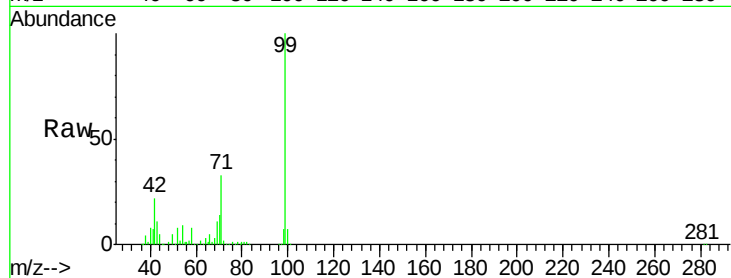
Acq: 24 Apr 2020 2:24

Instrument :

BNA_F

ClientSampleId :

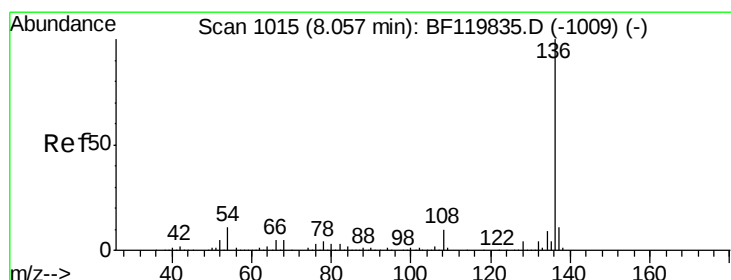
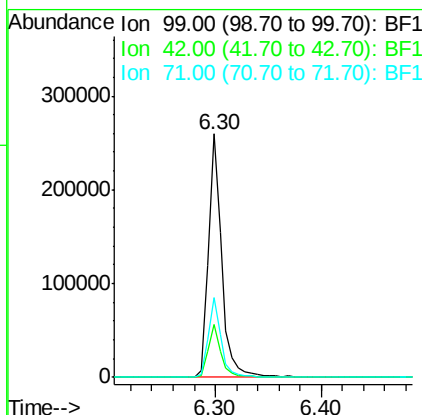
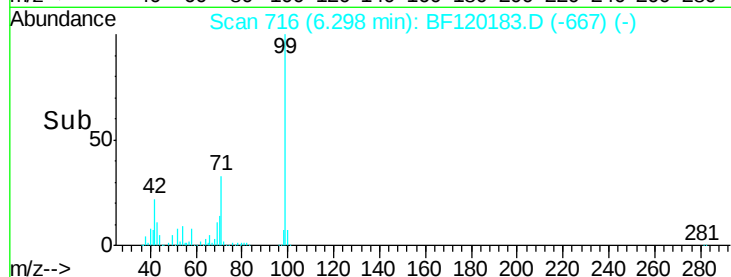
WB-10-1DL



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		227995		
42	21.5	16.6	24.8		
71	32.6	26.4	39.6		

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#21

Naphthalene-d8

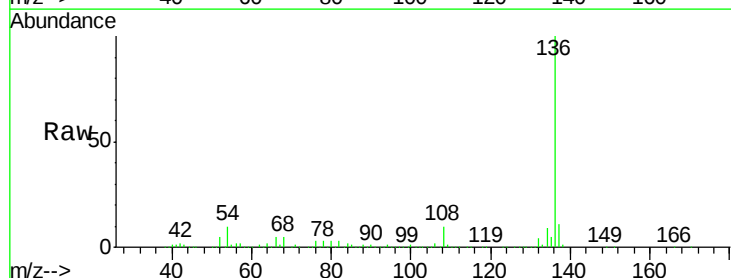
Concen: 20.00 ng

RT: 7.95 min Scan# 997

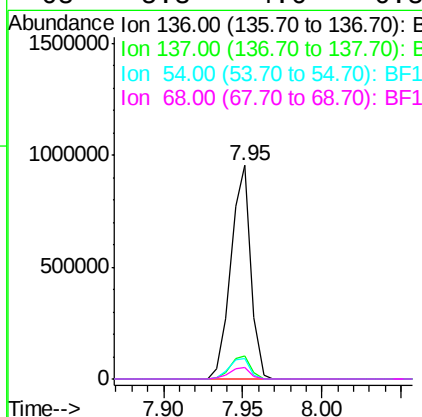
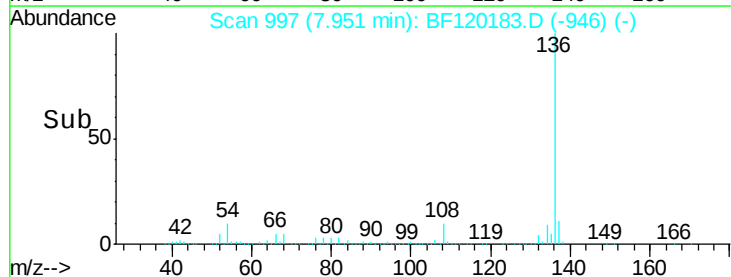
Delta R.T. -0.00 min

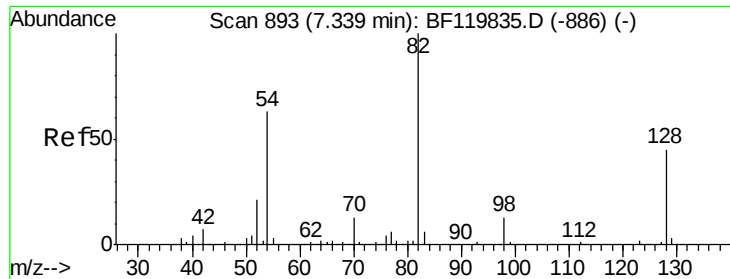
Lab File: BF120183.D

Acq: 24 Apr 2020 2:24



Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		826031		
137	11.0	8.7	13.1		
54	9.6	9.1	13.7		
68	5.3	4.6	6.8		





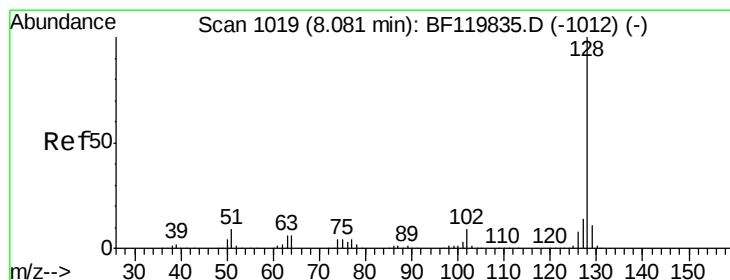
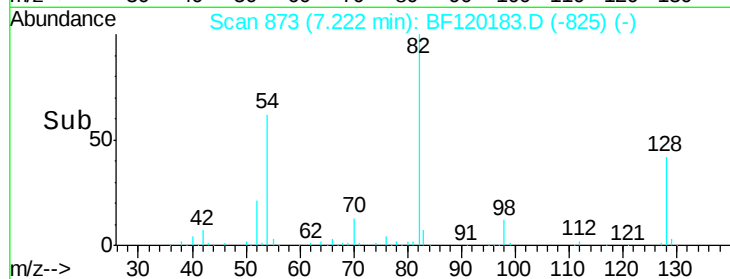
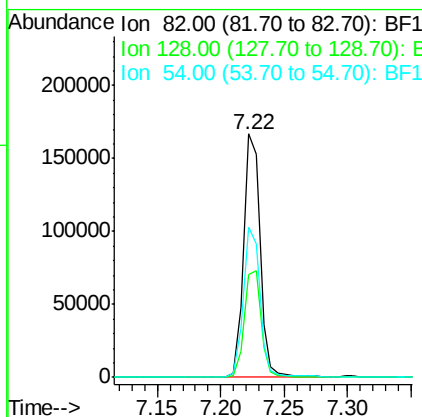
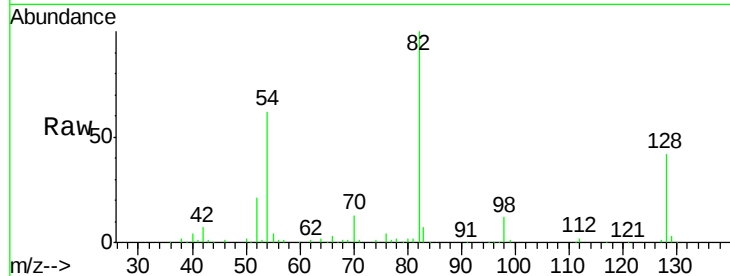
#23
 Nitrobenzene-d5
 Concen: 9.43 ng
 RT: 7.22 min Scan# 873
 Delta R.T. -0.02 min
 Lab File: BF120183.D
 Acq: 24 Apr 2020 2:24

Instrument :
 BNA_F
 ClientSampleID :
 WB-10-1DL

Tgt Ion:	82	Resp:	150561
Ion Ratio	Lower	Upper	
82	100		
128	42.0	36.3	54.5
54	61.7	50.6	75.8

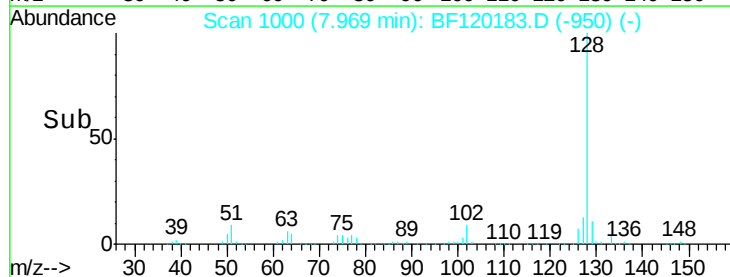
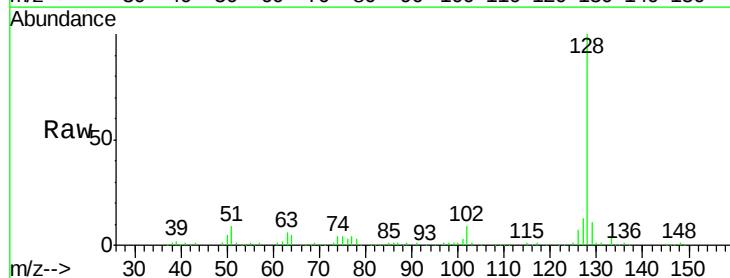
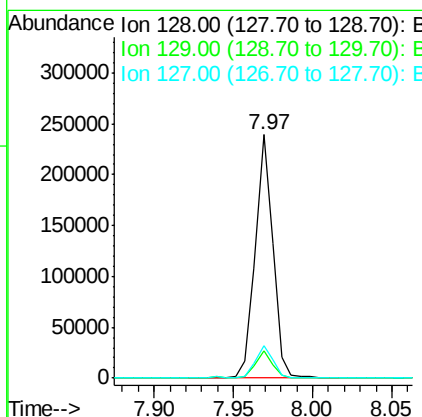
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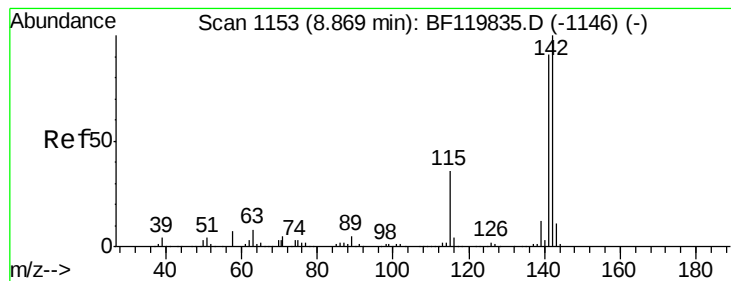
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#31
 Naphthalene
 Concen: 4.28 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: BF120183.D
 Acq: 24 Apr 2020 2:24

Tgt Ion:	128	Resp:	186212
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.5	14.3
127	13.1	11.3	16.9





#38

1-Methylnaphthalene

Concen: 3.51 ng

RT: 8.76 min Scan# 1134

Delta R.T. -0.01 min

Lab File: BF120183.D

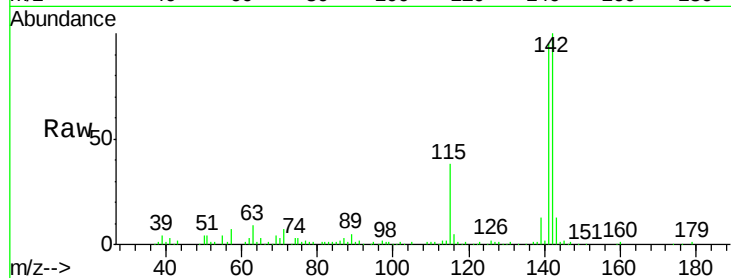
Acq: 24 Apr 2020 2:24

Instrument :

BNA_F

ClientSampleId :

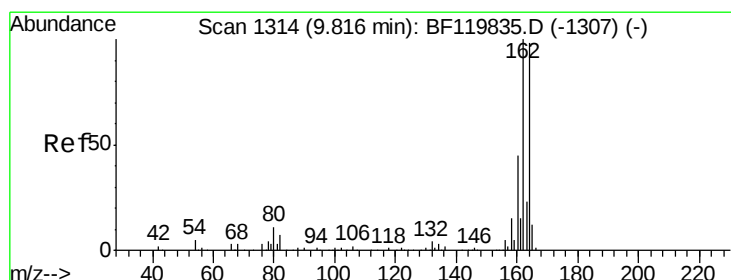
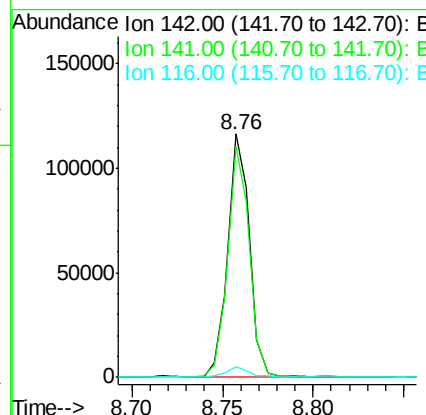
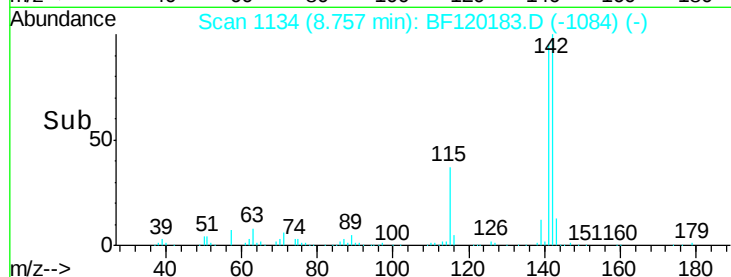
WB-10-1DL



Tgt Ion:	142	Resp:	97416
Ion Ratio	Lower	Upper	
142	100		
141	94.8	73.7	110.5
116	4.5	3.0	4.6

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#39

Acenaphthene-d10

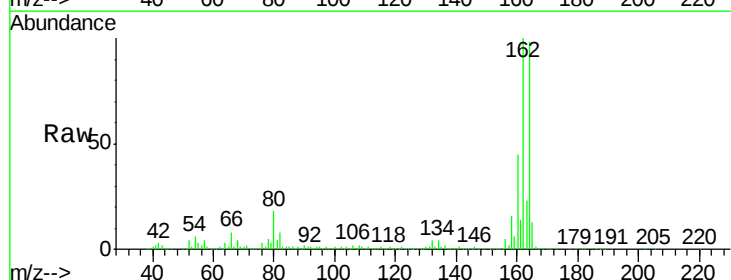
Concen: 20.00 ng

RT: 9.70 min Scan# 1295

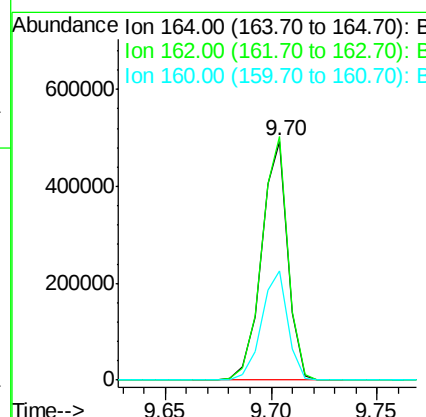
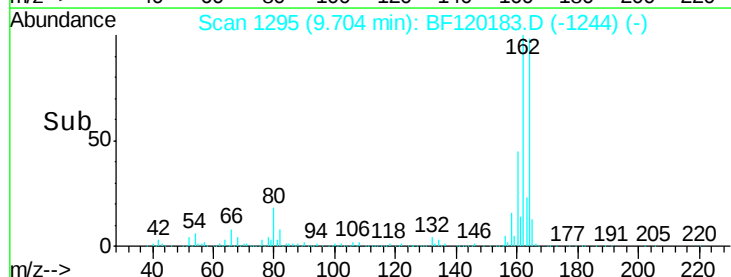
Delta R.T. -0.00 min

Lab File: BF120183.D

Acq: 24 Apr 2020 2:24



Tgt Ion:	164	Resp:	426824
Ion Ratio	Lower	Upper	
164	100		
162	101.9	80.6	121.0
160	45.7	35.7	53.5





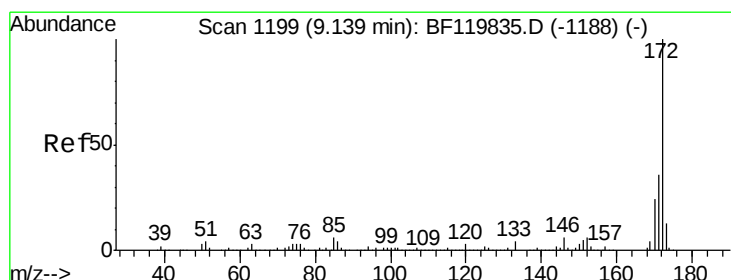
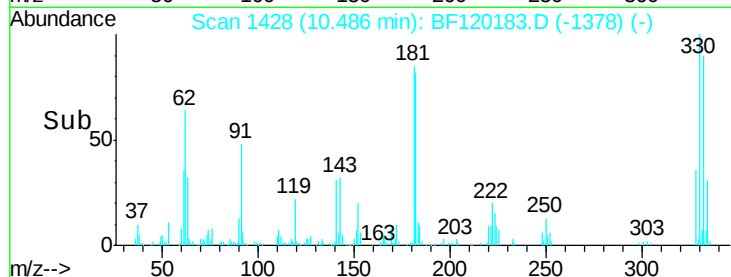
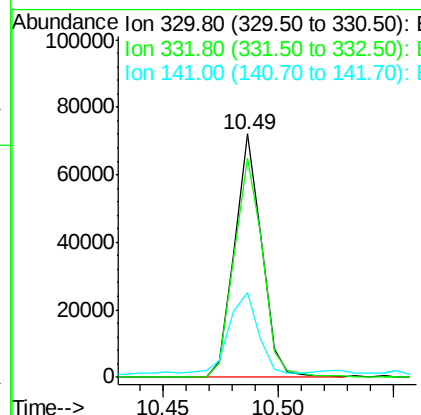
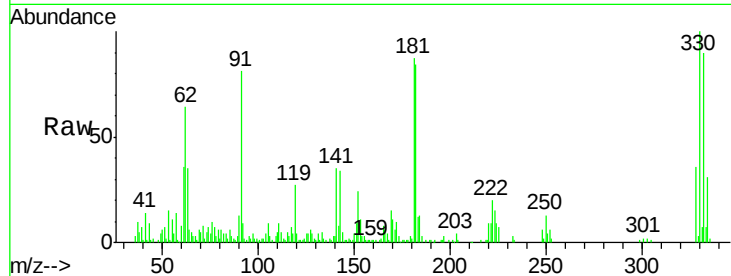
#42
 2,4,6-Tribromophenol
 Concen: 11.33 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF120183.D
 Acq: 24 Apr 2020 2:24

Instrument :
 BNA_F
 ClientSampleID :
 WB-10-1DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	59218		
332	95.3	75.7	113.5	
141	39.0	25.4	38.0	

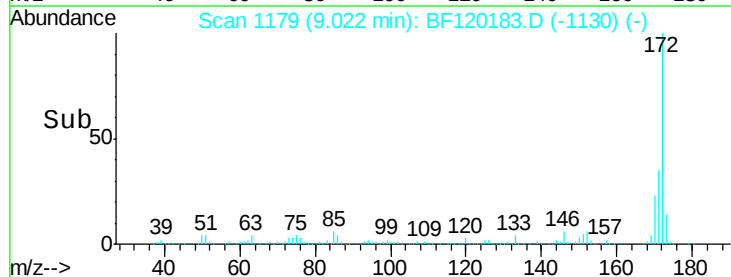
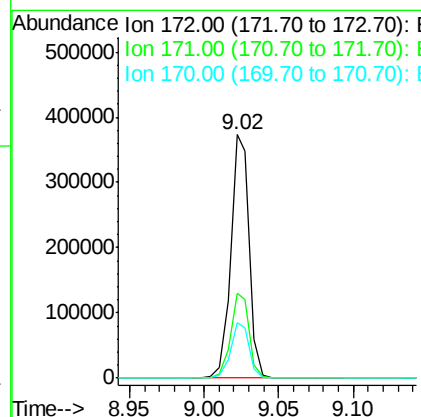
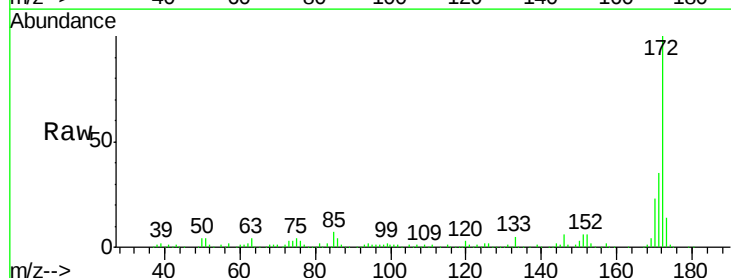
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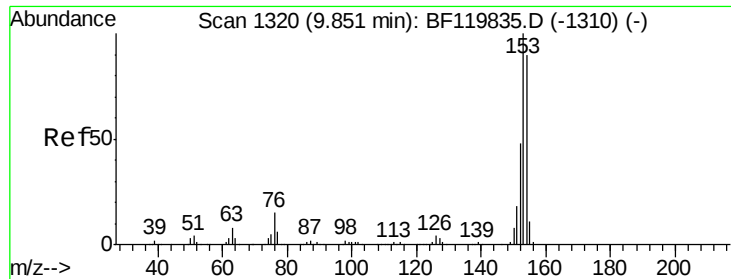
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#45
 2-Fluorobiphenyl
 Concen: 10.91 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF120183.D
 Acq: 24 Apr 2020 2:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	328126		
171	34.6	29.6	44.4	
170	22.9	20.2	30.2	





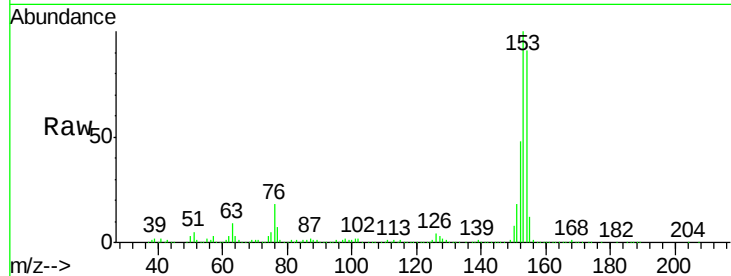
#52
Acenaphthene
Concen: 13.19 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF120183.D
Acq: 24 Apr 2020 2:24

Instrument :
BNA_F
ClientSampleId :
WB-10-1DL

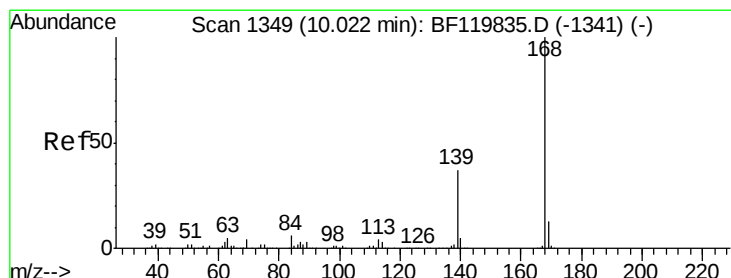
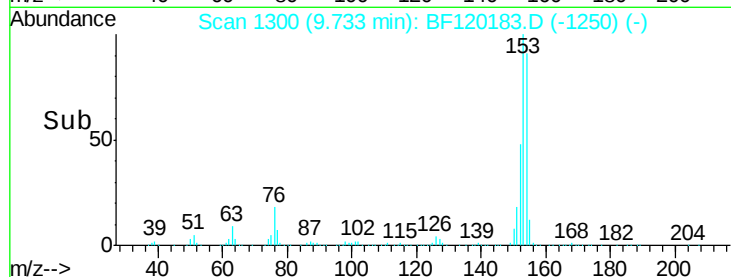
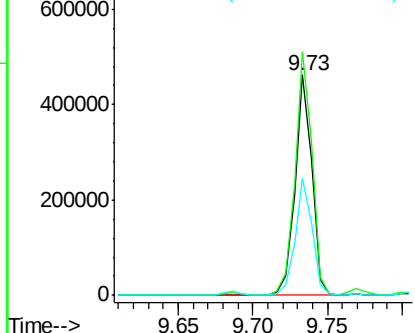
Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.4	88.1	132.1
152	53.1	43.0	64.4

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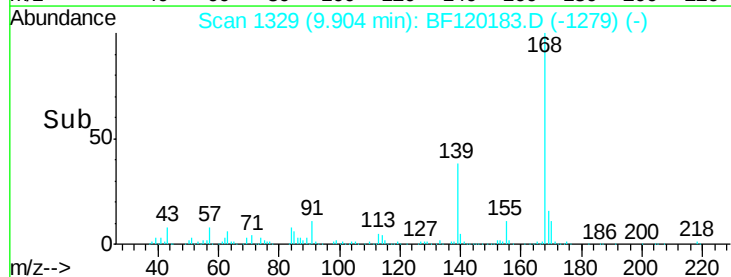
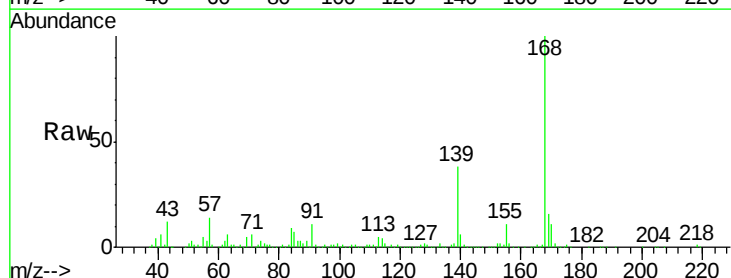
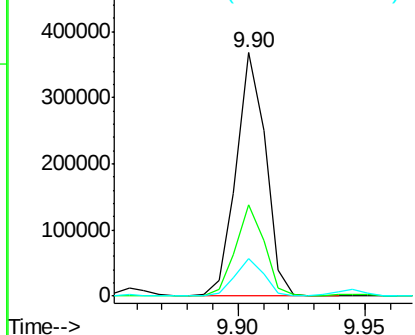
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Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

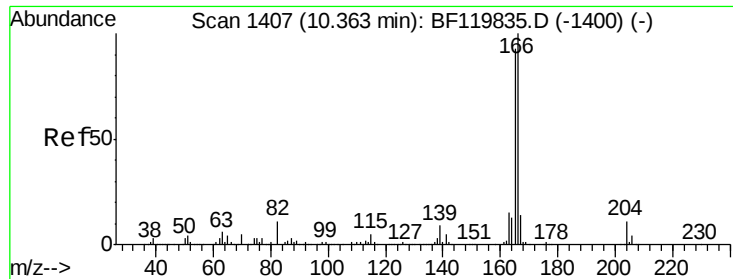


#55
Dibenzofuran
Concen: 7.67 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF120183.D
Acq: 24 Apr 2020 2:24

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.6	30.1	45.1
169	15.6	11.0	16.6

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





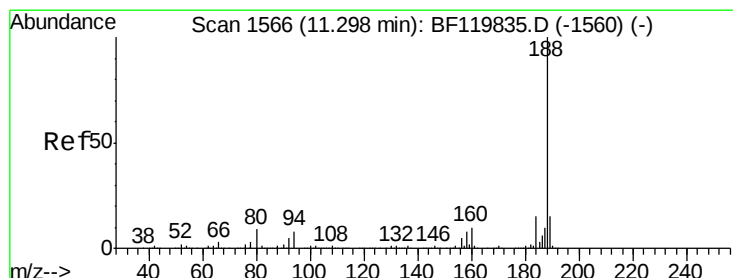
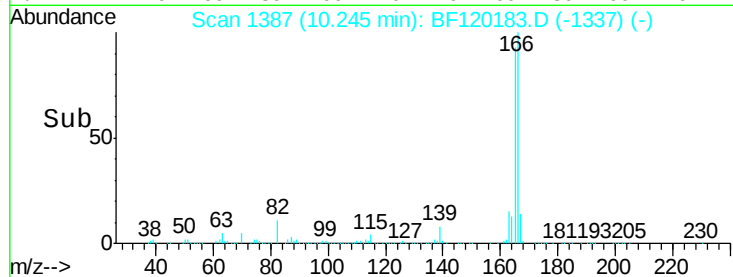
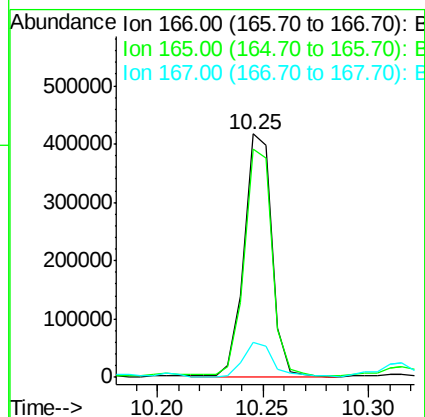
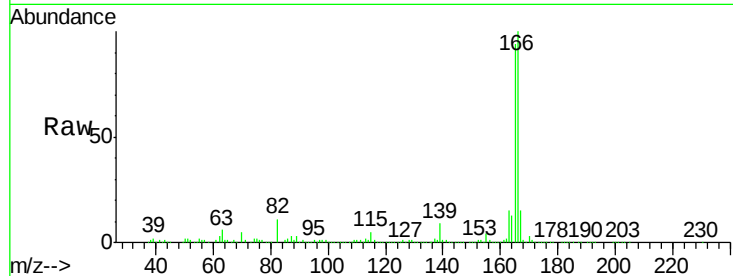
#58
 Fluorene
 Concen: 12.23 ng
 RT: 10.25 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: BF120183.D
 Acq: 24 Apr 2020 2:24

Instrument :
 BNA_F
 ClientSampleID :
 WB-10-1DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.5	75.4	113.2
167	14.6	11.2	16.8

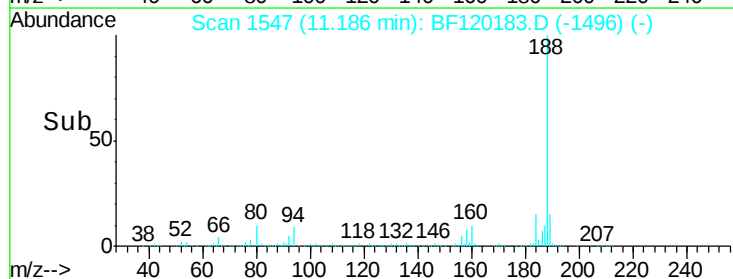
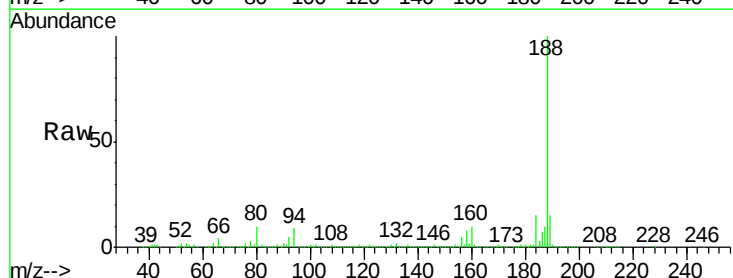
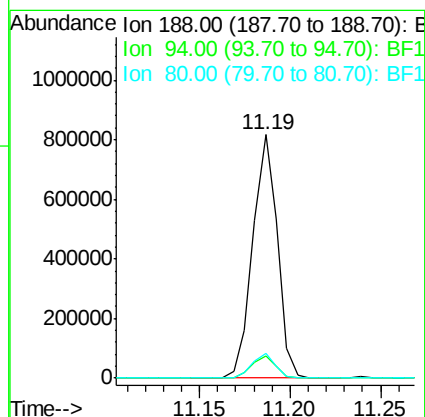
Manual Integrations
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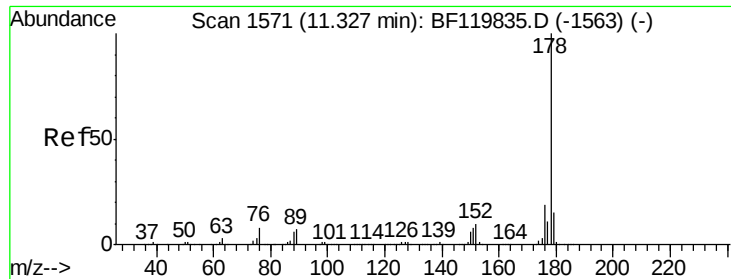
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#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.00 min
 Lab File: BF120183.D
 Acq: 24 Apr 2020 2:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.5	11.3
80	10.2	9.0	13.4





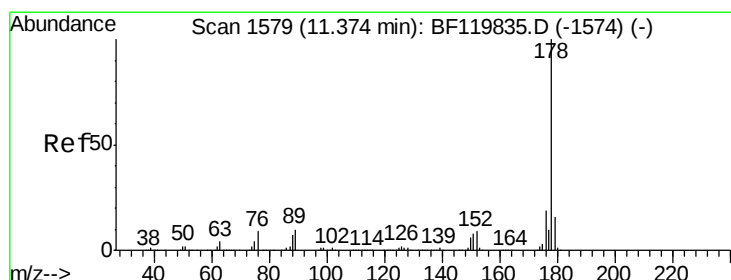
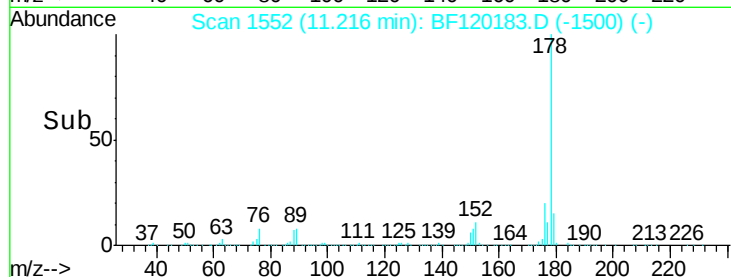
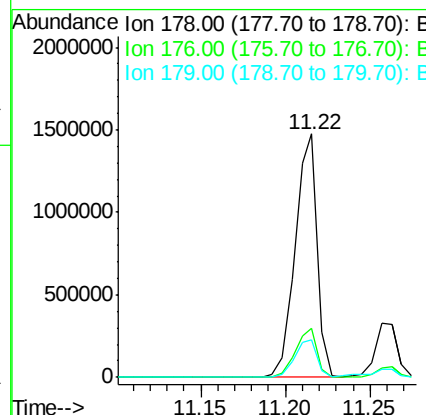
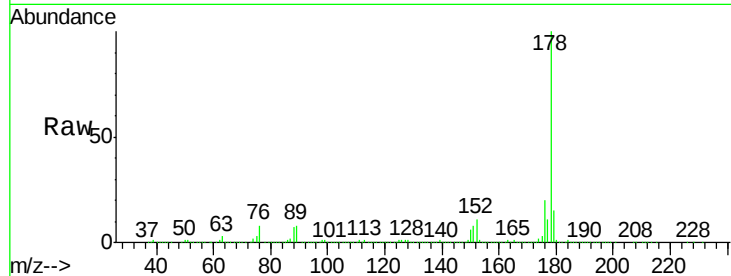
#71
Phenanthrene
Concen: 32.71 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.01 min
Lab File: BF120183.D
Acq: 24 Apr 2020 2:24

Instrument :
BNA_F
ClientSampleId :
WB-10-1DL

Tgt Ion:178 Resp: 1341626
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 15.4 13.2 19.8

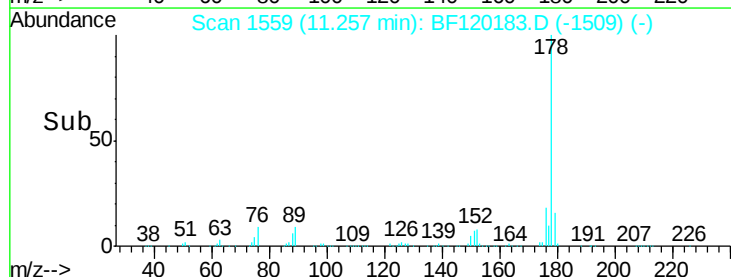
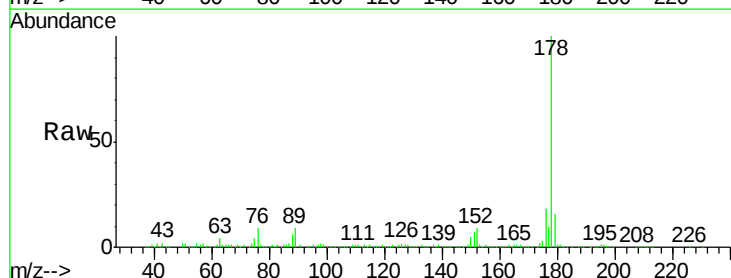
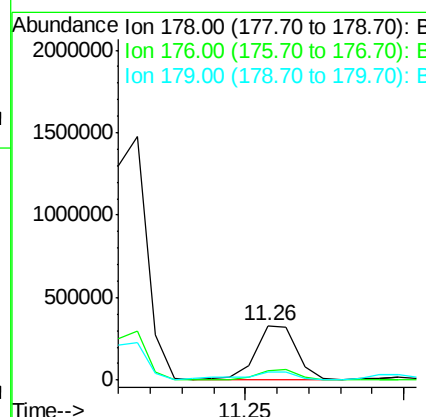
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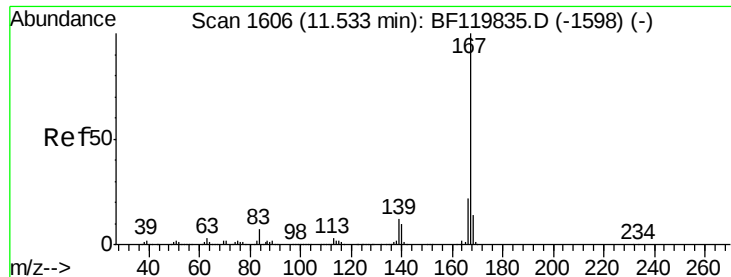
mohammad
4/24/2020 1:34:40 PM



#72
Anthracene
Concen: 6.96 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF120183.D
Acq: 24 Apr 2020 2:24

Tgt Ion:178 Resp: 291469
Ion Ratio Lower Upper
178 100
176 17.8 16.1 24.1
179 15.8 13.0 19.4





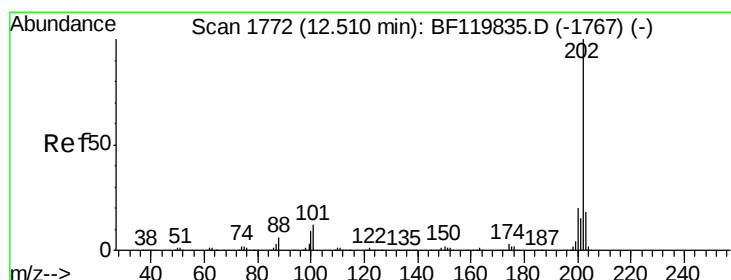
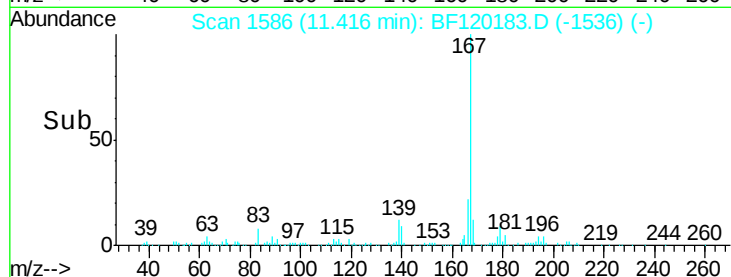
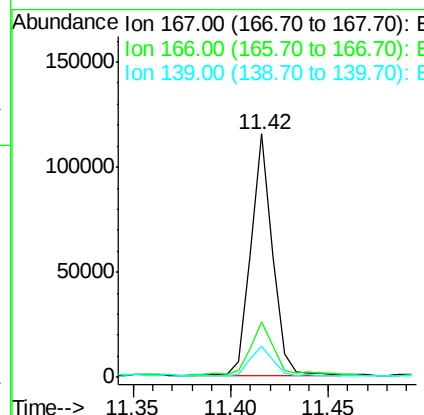
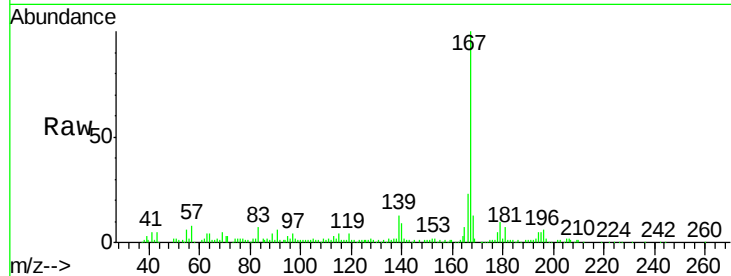
#73
 Carbazole
 Concen: 2.24 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF120183.D
 Acq: 24 Apr 2020 2:24

Instrument :
 BNA_F
 ClientSampleId :
 WB-10-1DL

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.2	27.4
139	12.7	10.7	16.1

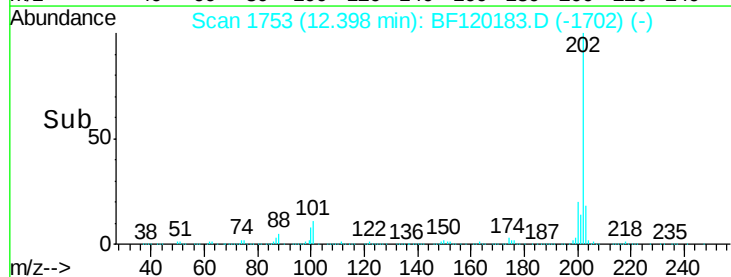
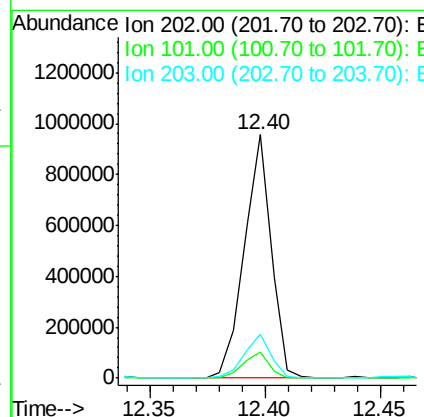
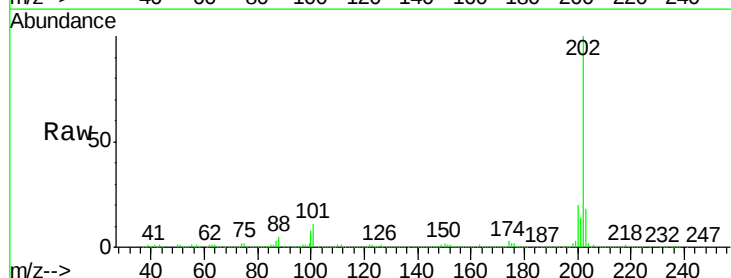
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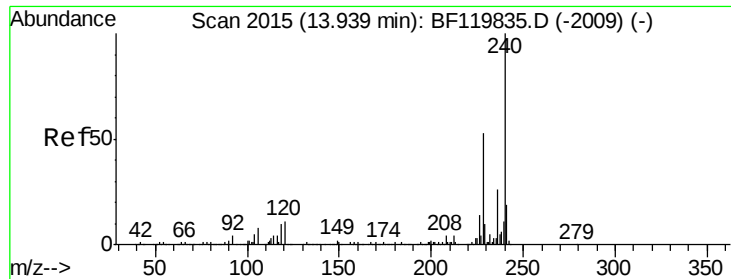
mohammad
 4/24/2020 1:34:40 PM



#75
 Fluoranthene
 Concen: 17.54 ng
 RT: 12.40 min Scan# 1753
 Delta R.T. -0.00 min
 Lab File: BF120183.D
 Acq: 24 Apr 2020 2:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	32.2
203	18.0	0.0	38.8





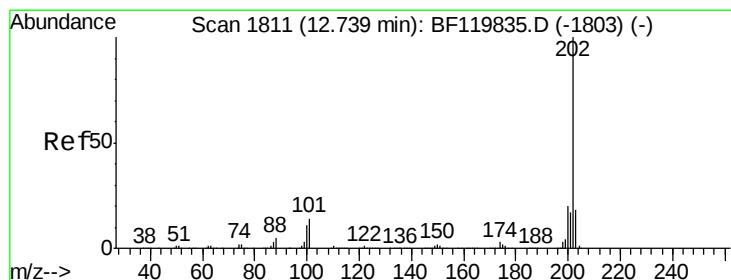
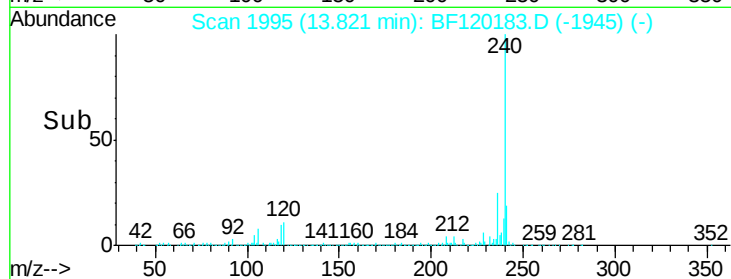
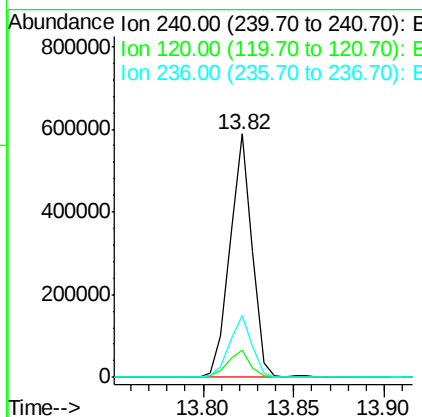
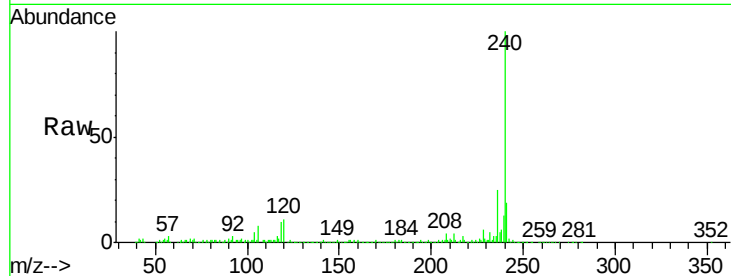
#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF120183.D
Acq: 24 Apr 2020 2:24

Instrument :
BNA_F
ClientSampleId :
WB-10-1DL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	498713		
120	11.3	10.6	15.8	
236	25.3	20.2	30.2	

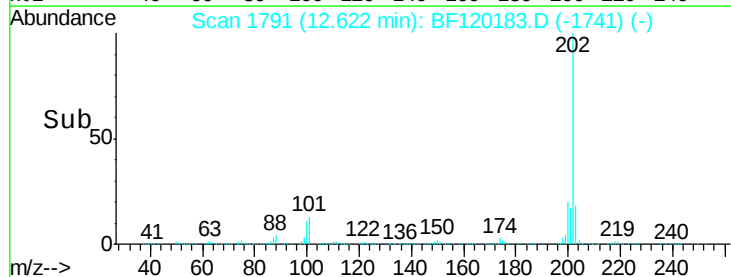
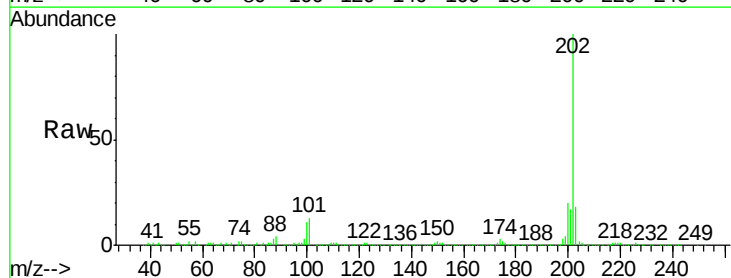
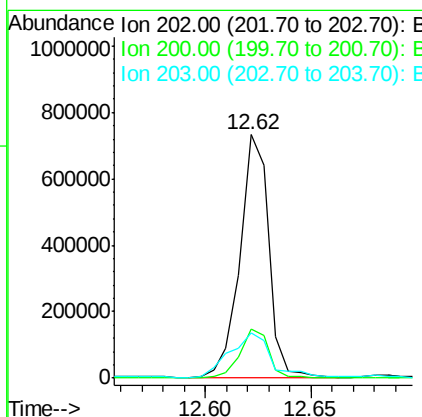
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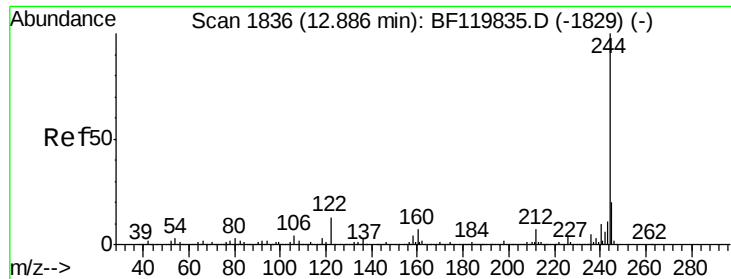
mohammad
4/24/2020 1:34:40 PM



#78
Pyrene
Concen: 16.46 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF120183.D
Acq: 24 Apr 2020 2:24

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	692165		
200	20.0	16.8	25.2	
203	18.3	15.1	22.7	





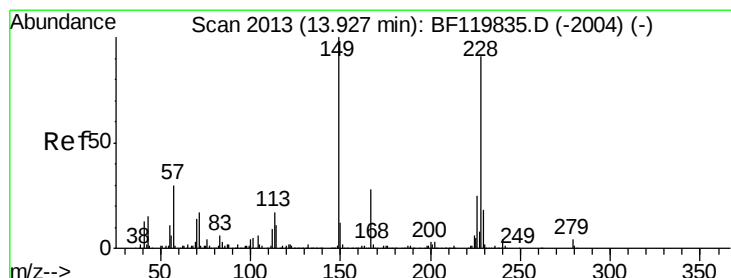
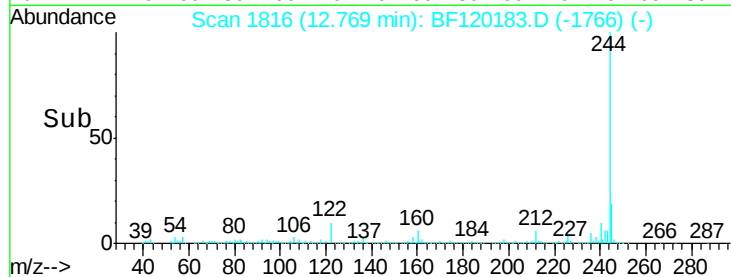
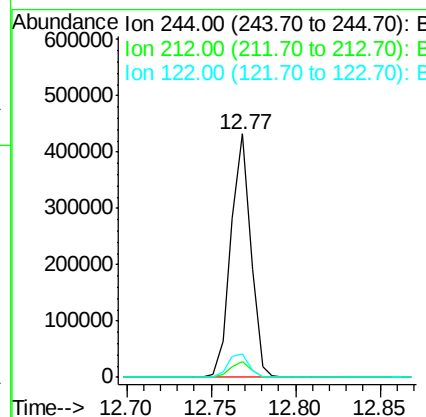
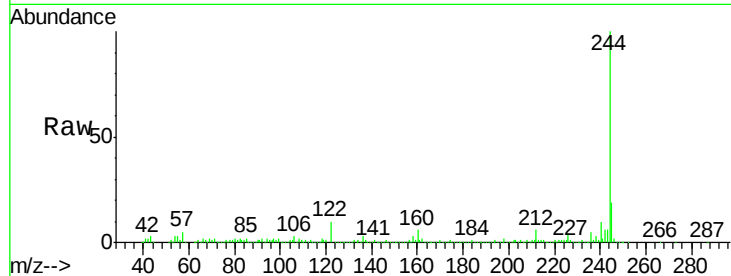
#79
 Terphenyl-d14
 Concen: 11.92 ng
 RT: 12.77 min Scan# 1816
 Delta R.T. -0.01 min
 Lab File: BF120183.D
 Acq: 24 Apr 2020 2:24

Instrument :
 BNA_F
 ClientSampleId :
 WB-10-1DL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.8	8.8
122	9.7	10.3	15.5#

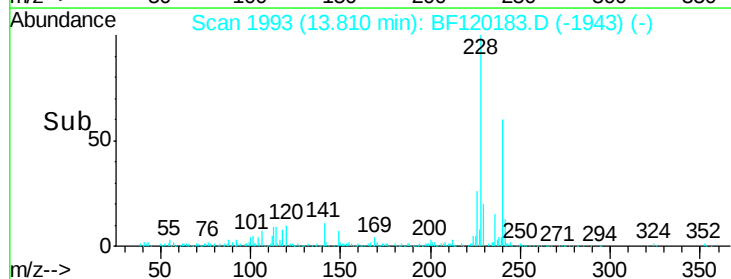
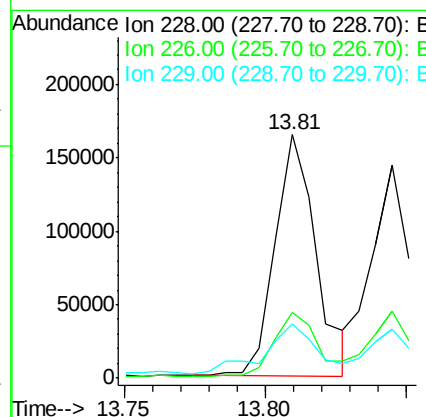
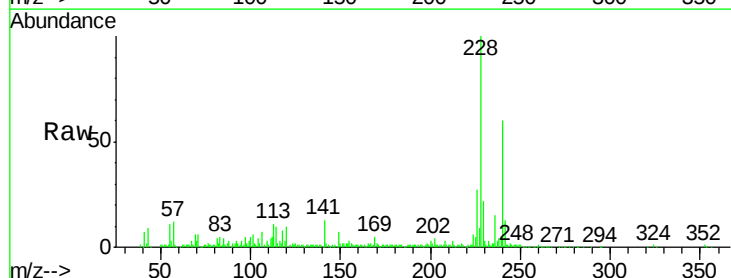
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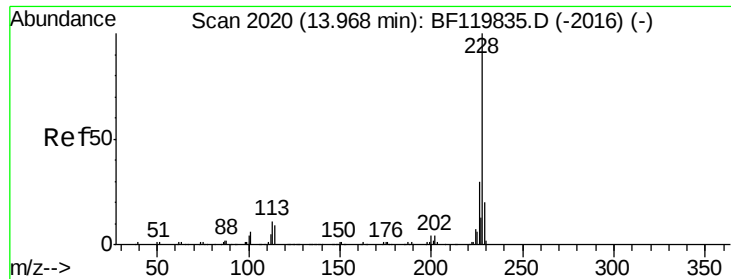
mohammad
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#81
 Benzo(a)anthracene
 Concen: 5.04 ng
 RT: 13.81 min Scan# 1993
 Delta R.T. -0.01 min
 Lab File: BF120183.D
 Acq: 24 Apr 2020 2:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	22.2	16.2	24.4





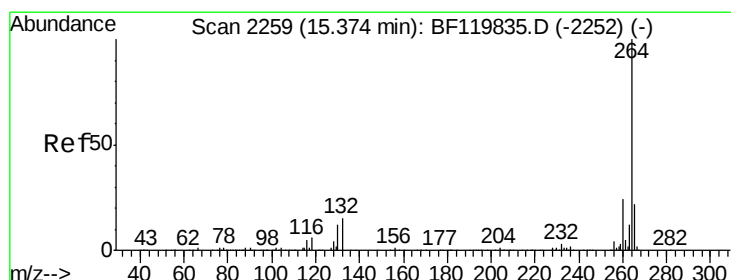
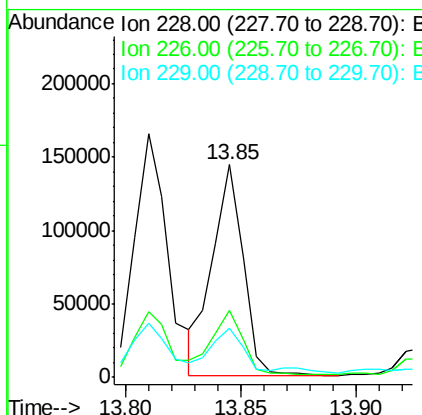
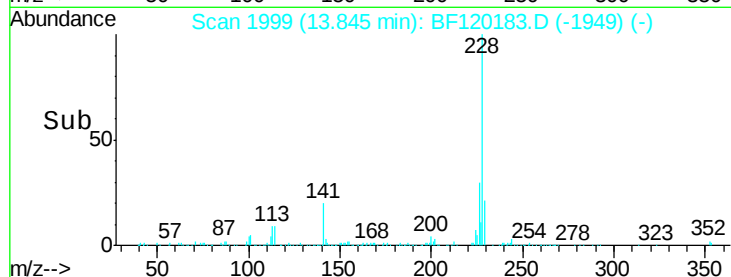
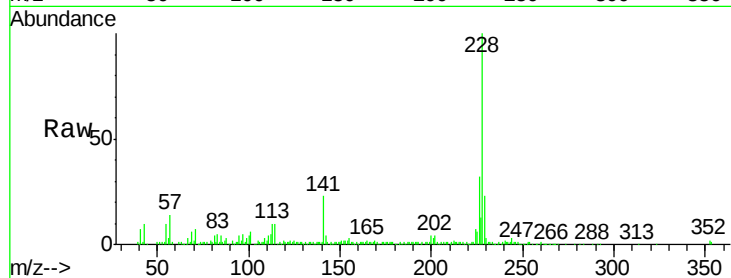
#83
Chrysene
Concen: 4.01 ng
RT: 13.85 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF120183.D
Acq: 24 Apr 2020 2:24

Instrument :
BNA_F
ClientSampleId :
WB-10-1DL

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	133649		
226	31.8	25.4	38.0	
229	23.2	16.6	24.8	

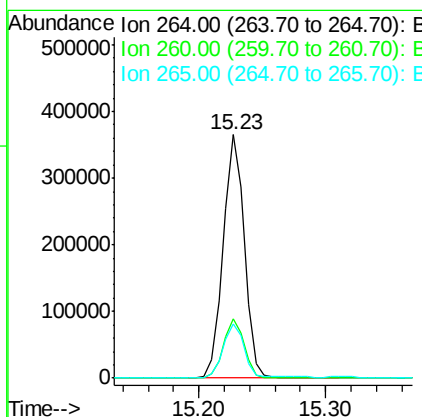
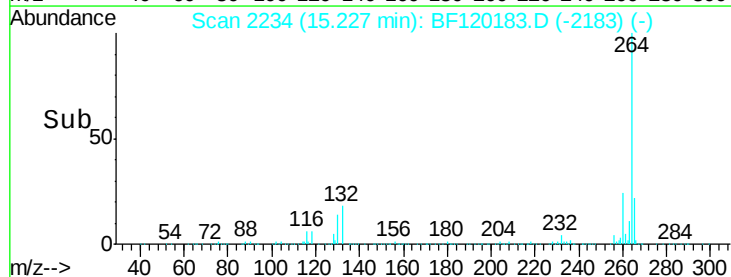
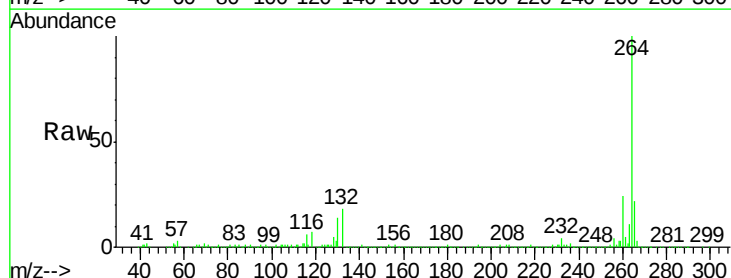
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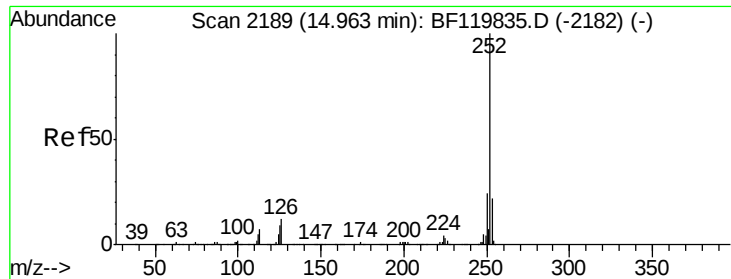
mohammad
4/24/2020 1:34:40 PM



#87
Perylene-d12
Concen: 20.00 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF120183.D
Acq: 24 Apr 2020 2:24

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	424669		
260	24.2	18.7	28.1	
265	22.4	17.7	26.5	





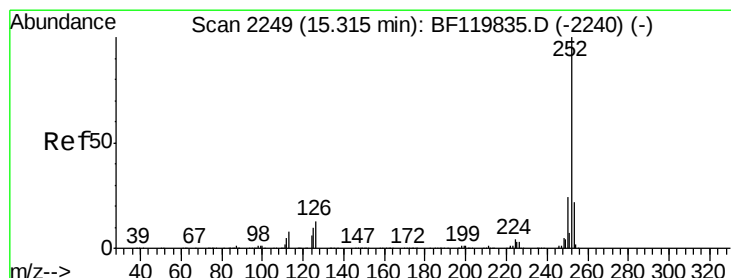
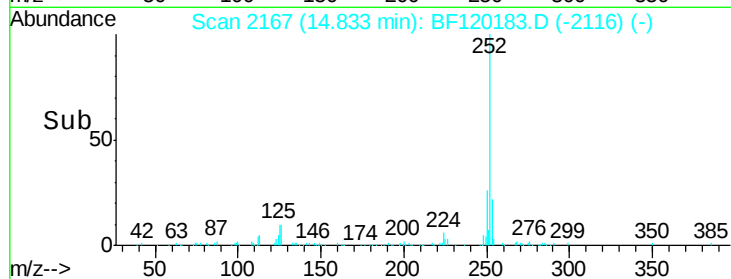
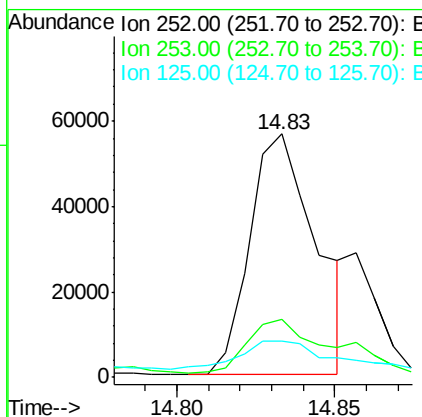
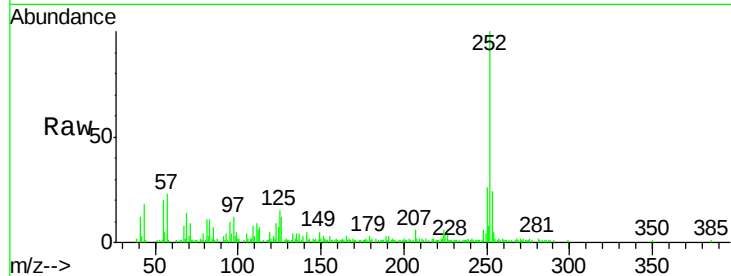
#88
Benzo(b)fluoranthene
Concen: 2.69 ng m
RT: 14.83 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BF120183.D
Acq: 24 Apr 2020 2:24

Instrument :
BNA_F
ClientSampleId :
WB-10-1DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	14.8	7.9	11.9

Manual Integrations
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#90
Benzo(a)pyrene
Concen: 2.11 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF120183.D
Acq: 24 Apr 2020 2:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	13.3	9.4	14.2

