

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
 Data File : BF120044.D
 Acq On : 16 Apr 2020 18:53
 Operator : MA/SJ
 Sample : L2245-10 5X
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-23B

Manual Integrations
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Quant Time: Apr 17 04:26:43 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 16 10:48:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	137858	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	480992	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	205496	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	305198	20.00	ng	0.00
76) Chrysene-d12	13.89	240	234912	20.00	ng	0.00
87) Perylene-d12	15.32	264	199925	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	277515	34.79	ng	0.00
7) Phenol-d6	6.36	99	342542	33.33	ng	0.00
23) Nitrobenzene-d5	7.29	82	208351	22.41	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	51389	20.43	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	399283	27.59	ng	0.00
79) Terphenyl-d14	12.84	244	295172	21.14	ng	-0.01

Target Compounds				Qvalue		
50) Dimethylphthalate	9.49	163	33920	2.134	ng	# 97
52) Acenaphthene	9.80	154	41065	3.029	ng	99
58) Fluorene	10.32	166	55175	3.709	ng	98
71) Phenanthrene	11.28	178	594326	36.590	ng	99
72) Anthracene	11.33	178	143085	8.623	ng	97
73) Carbazole	11.48	167	47058	2.999	ng	94
75) Fluoranthene	12.47	202	654981	37.372	ng	97
78) Pyrene	12.70	202	620395	31.328	ng	99
81) Benzo(a)anthracene	13.89	228	315978	20.446	ng	98
83) Chrysene	13.92	228	302878	19.288	ng	97
86) Indeno(1,2,3-cd)pyrene	16.70	276	97925	7.075	ng	97
88) Benzo(b)fluoranthene	14.92	252	269061m	18.708	ng	
89) Benzo(k)fluoranthene	14.94	252	104458m	8.418	ng	
90) Benzo(a)pyrene	15.26	252	204285	16.894	ng	97
91) Dibenzo(a,h)anthracene	16.71	278	27366m	2.555	ng	
92) Benzo(g,h,i)perylene	17.12	276	86894	8.218	ng	97

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

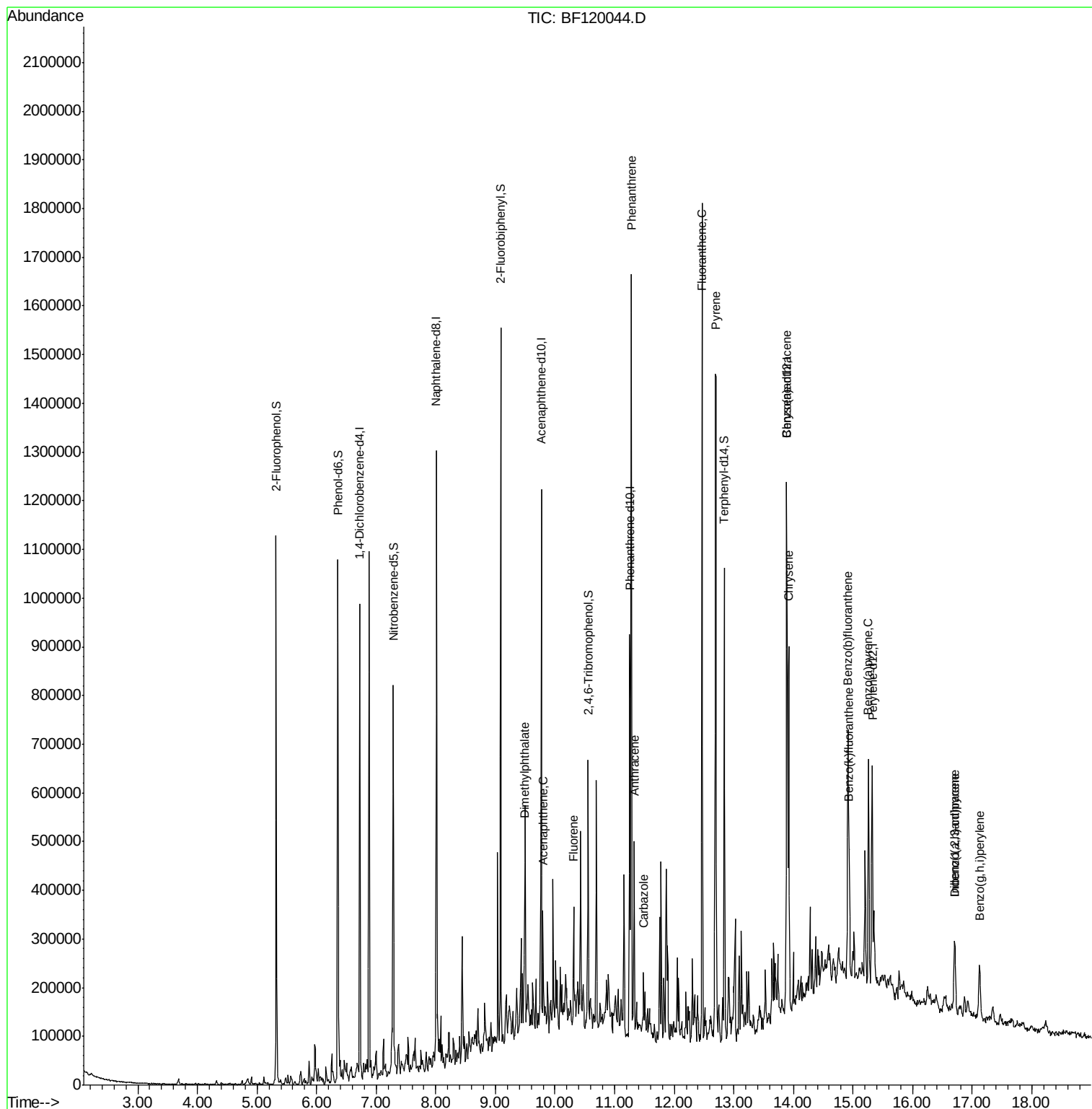
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
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ALS Vial : 52 Sample Multiplier: 1

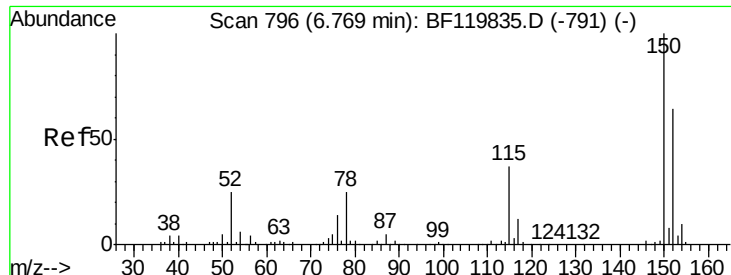
Instrument :
BNA_F
ClientSampled :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

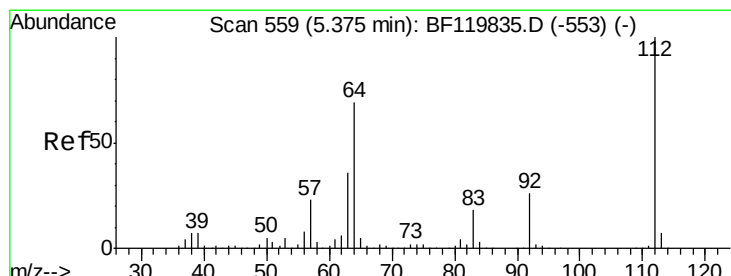
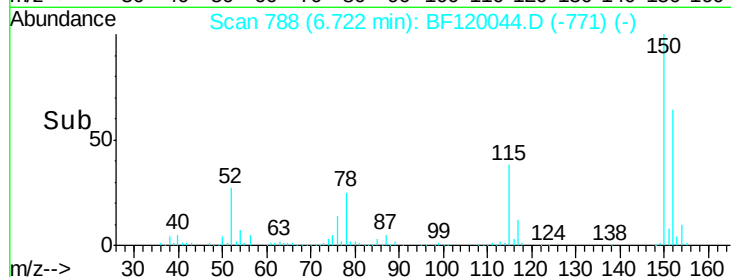
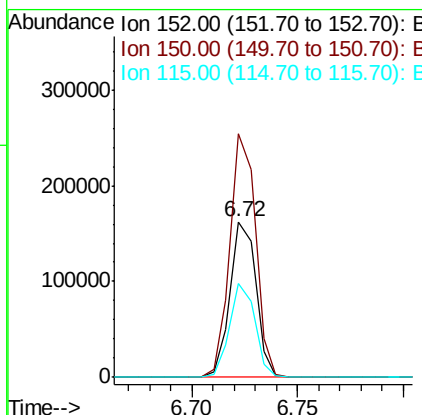
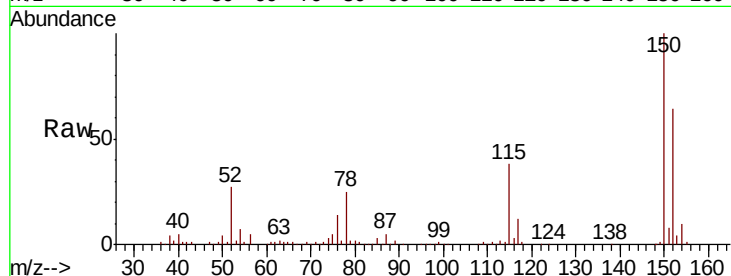
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Instrument :
BNA_F
ClientSampled :
TP-23B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.8	187.2
115	60.1	46.5	69.7

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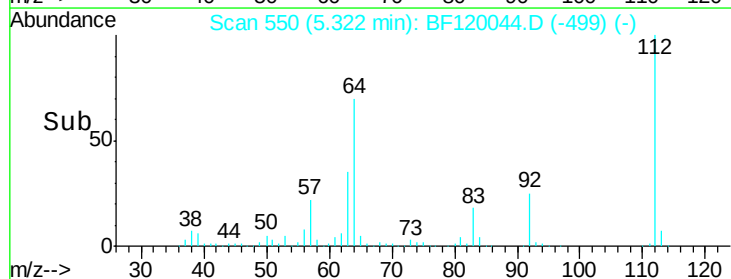
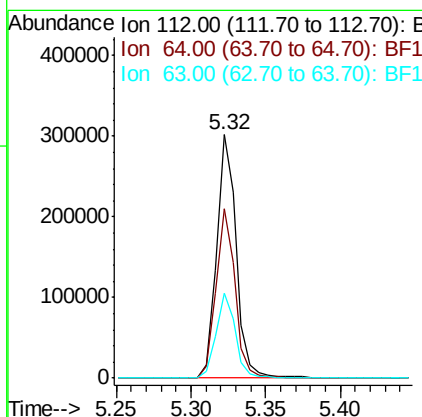
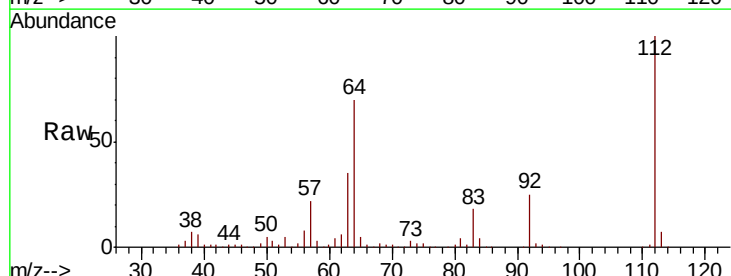
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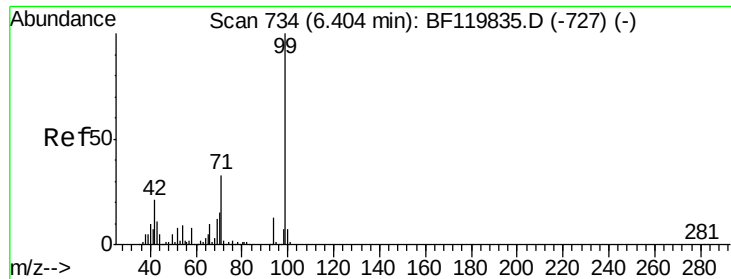


#5

2-Fluorophenol
Concen: 34.789 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.00 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	55.5	83.3
63	35.1	29.1	43.7





#7

Phenol-d6

Concen: 33.325 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

Instrument :

BNA_F

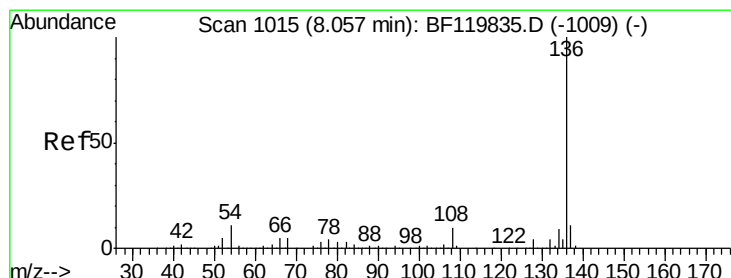
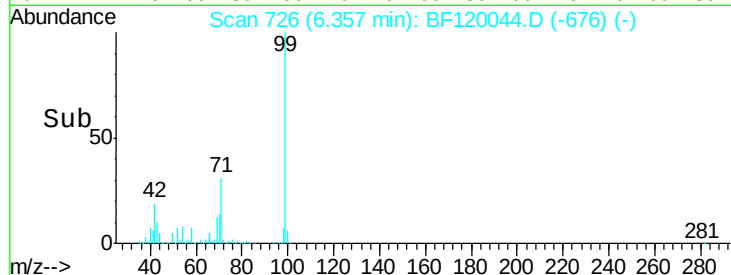
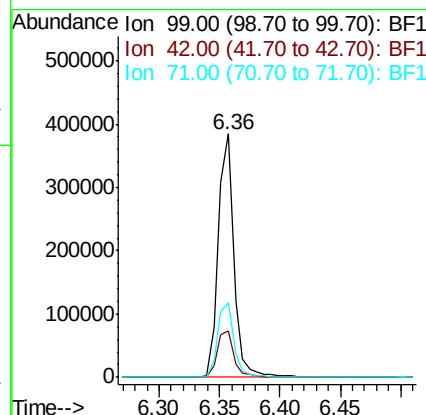
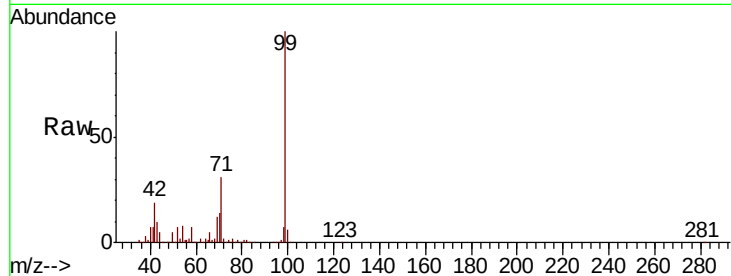
ClientSampled :

TP-23B

Tot Ion:	99	Resp:	342542
Ion Ratio	Lower	Upper	
99	100		
42	19.1	16.9	25.3
71	30.8	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.000 ng

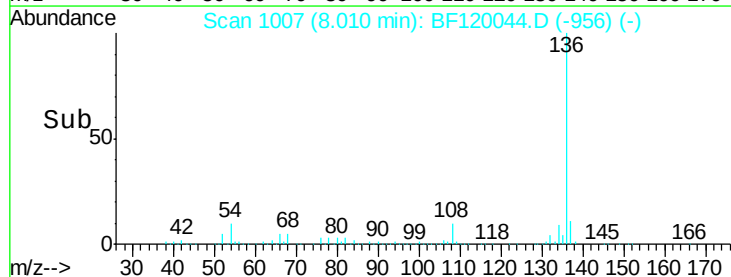
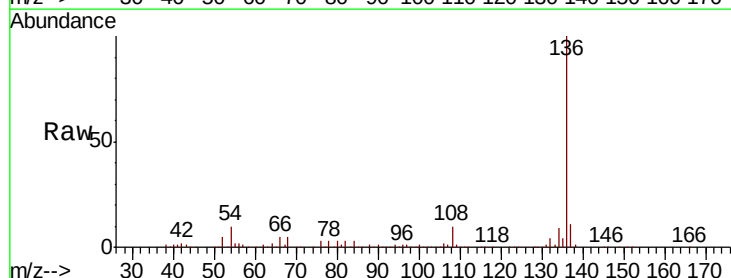
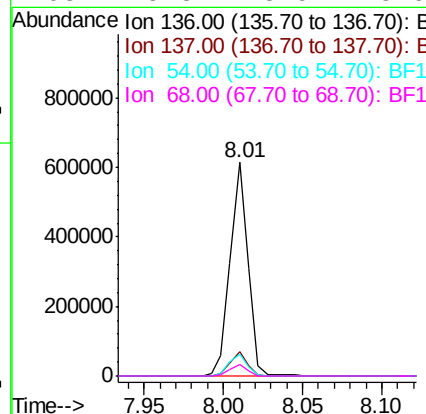
RT: 8.01 min Scan# 1007

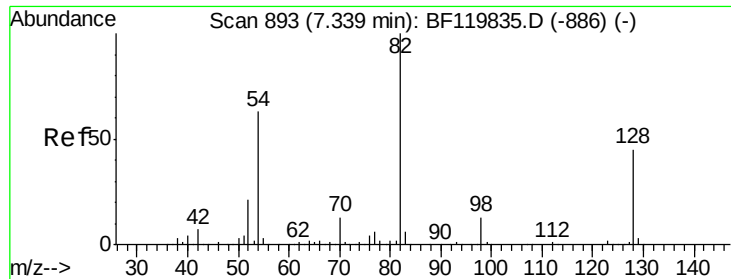
Delta R.T. 0.00 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

Tgt Ion:	136	Resp:	480992
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	10.1	8.5	12.7
68	5.3	3.9	5.9





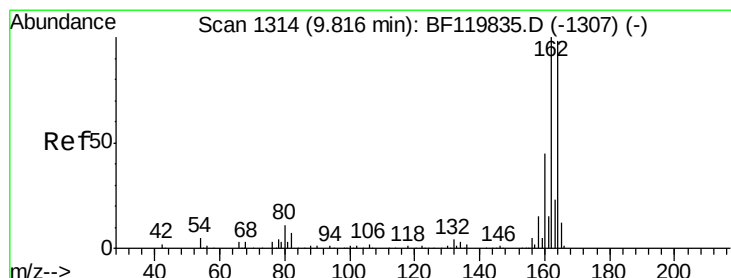
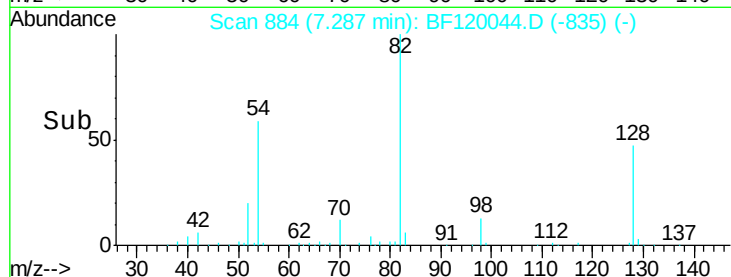
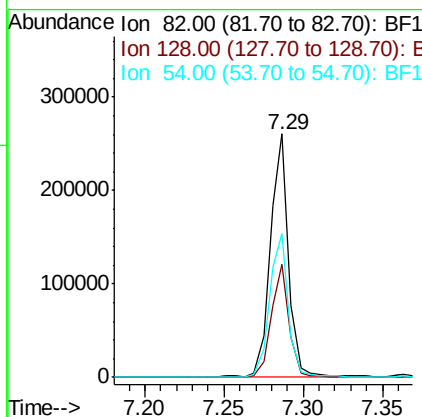
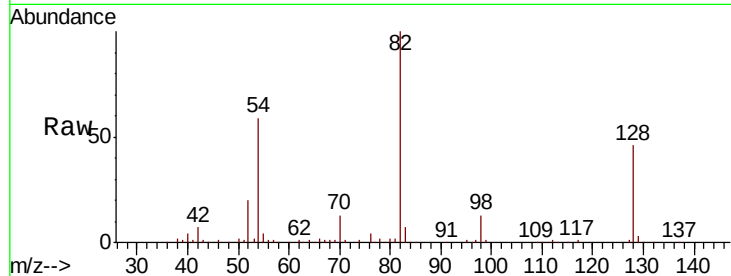
#23
 Nitrobenzene-d5
 Concen: 22.409 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF120044.D
 Acq: 16 Apr 2020 18:53

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	82	Resp	208351
Ion Ratio	Lower	Upper	
82	100		
128	46.4	36.2	54.4
54	59.1	50.4	75.6

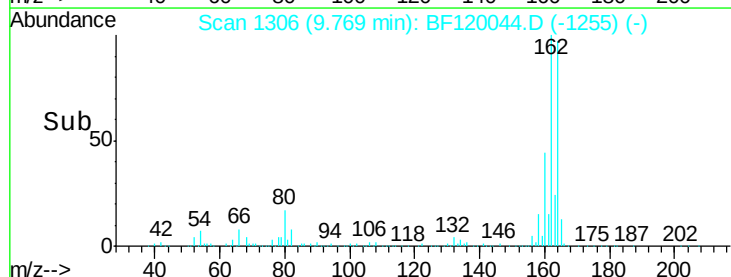
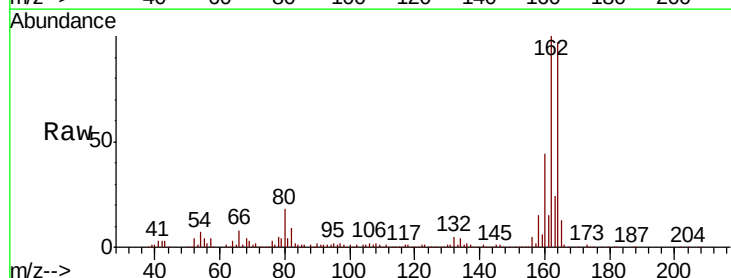
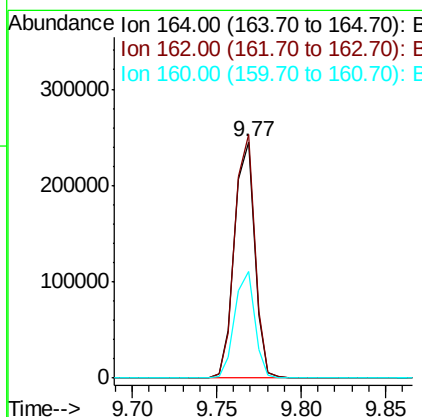
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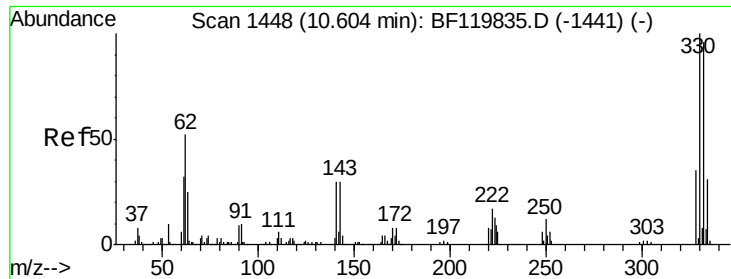
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BF120044.D
 Acq: 16 Apr 2020 18:53

Tgt Ion	164	Resp	205496
Ion Ratio	Lower	Upper	
164	100		
162	103.1	81.9	122.9
160	45.1	36.6	54.8





#42

2,4,6-Tribromophenol

Concen: 20.425 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

Instrument :

BNA_F

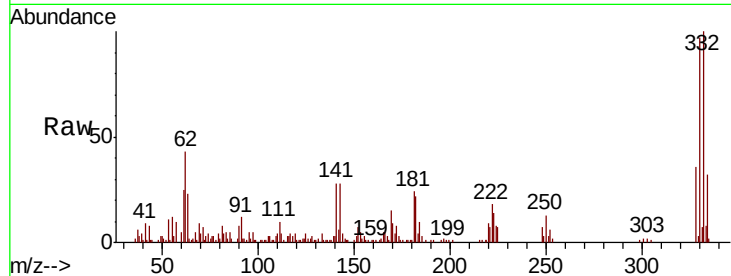
ClientSampled :

TP-23B

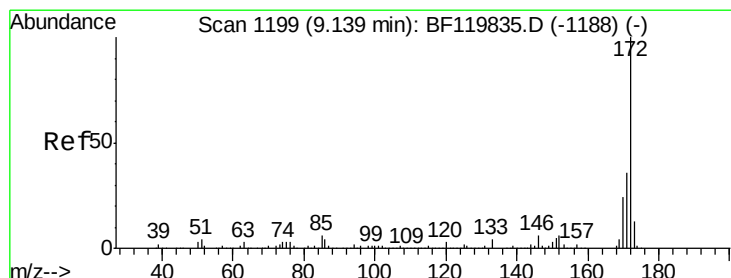
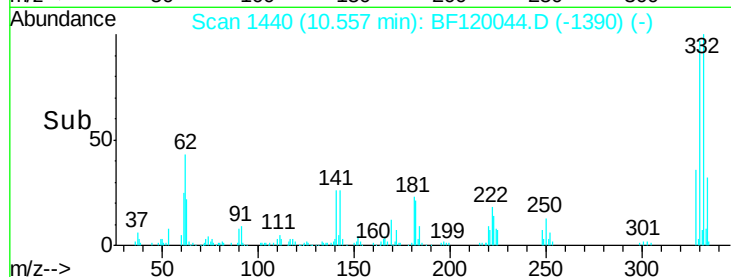
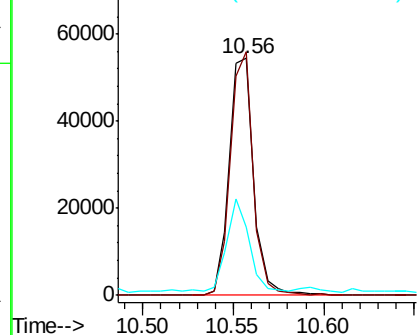
Tot Ion:	330	Resp:	51389
Ion Ratio	Lower	Upper	
330	100		
332	95.7	76.8	115.2
141	35.0	25.1	37.7

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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: 27.587 ng

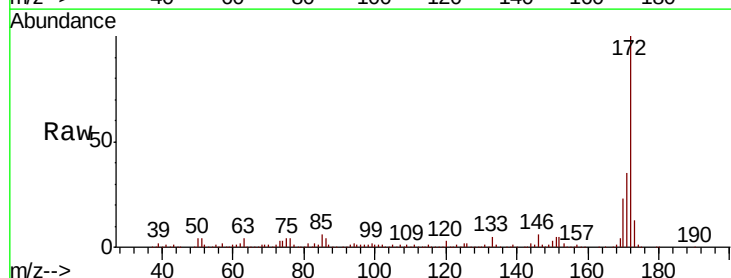
RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

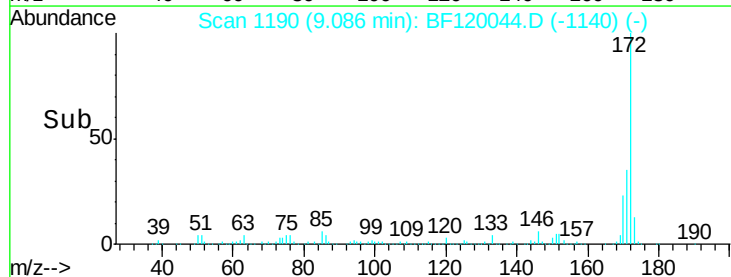
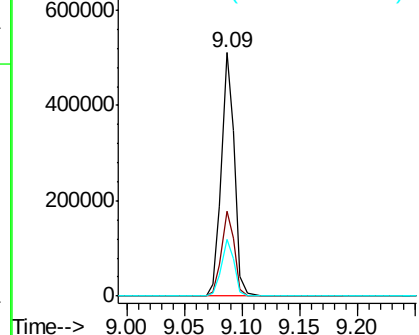
Lab File: BF120044.D

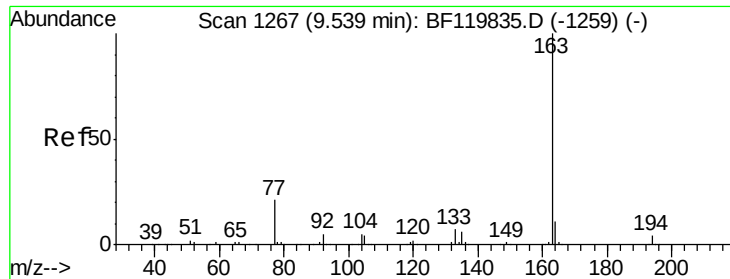
Acq: 16 Apr 2020 18:53

Tgt Ion:	172	Resp:	399283
Ion Ratio	Lower	Upper	
172	100		
171	34.9	28.9	43.3
170	23.1	19.4	29.2



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





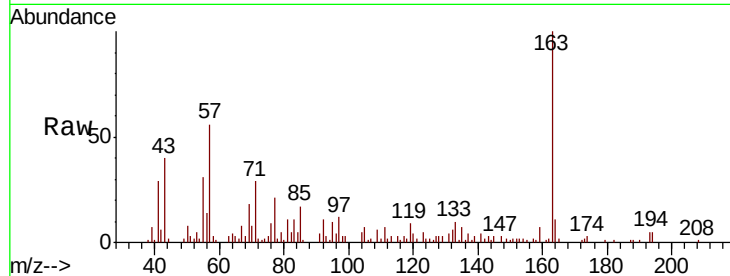
#50
Dimethylphthalate
Concen: 2.134 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.02 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Instrument :
BNA_F
ClientSampleId :
TP-23B

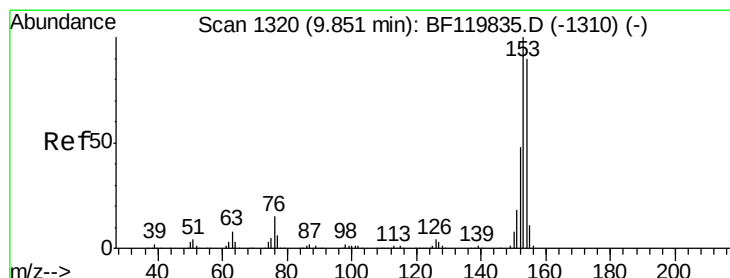
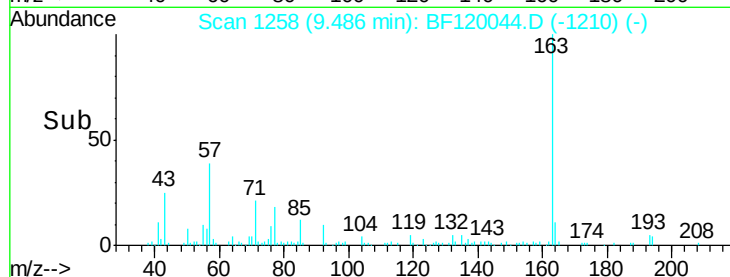
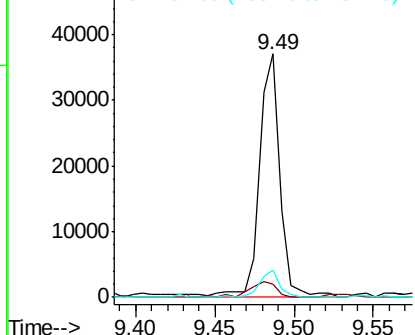
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	5.4	3.0	4.4#	
164	11.2	8.4	12.6	

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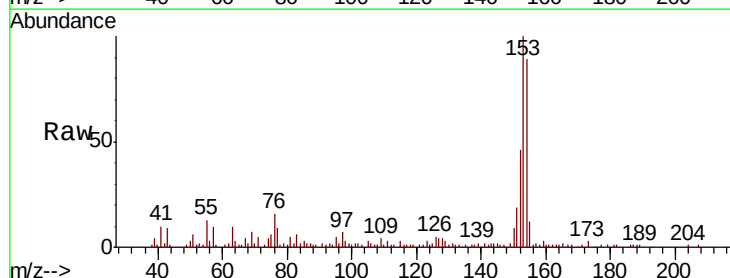


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

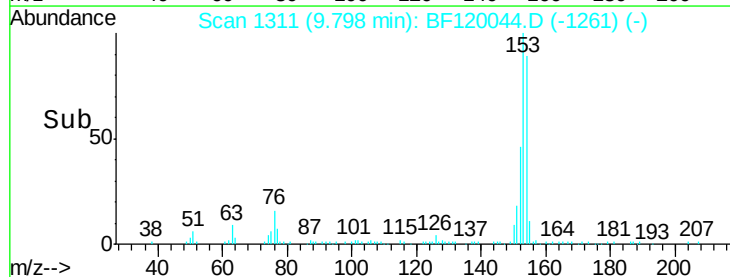
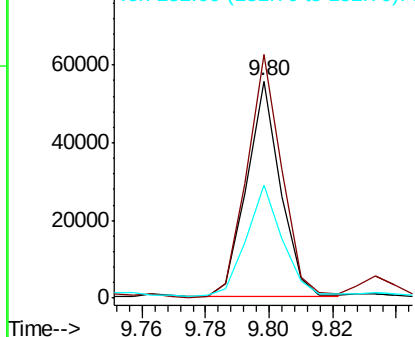


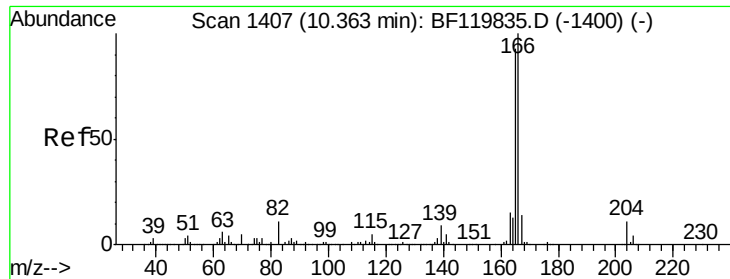
#52
Acenaphthene
Concen: 3.029 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	112.2	88.8	133.2	
152	52.2	42.4	63.6	



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





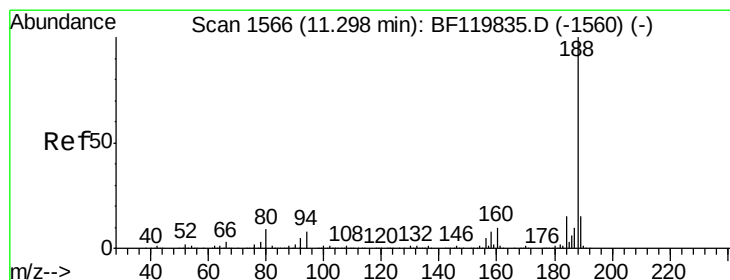
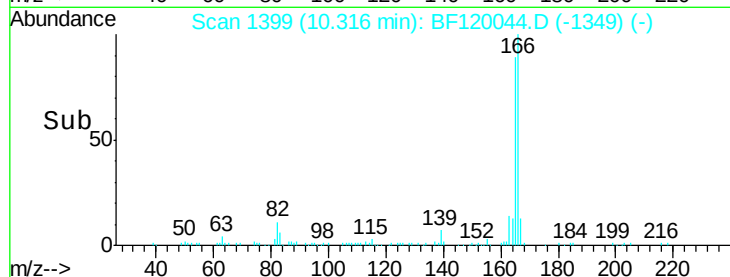
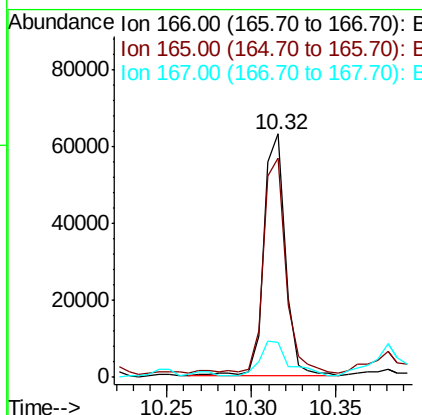
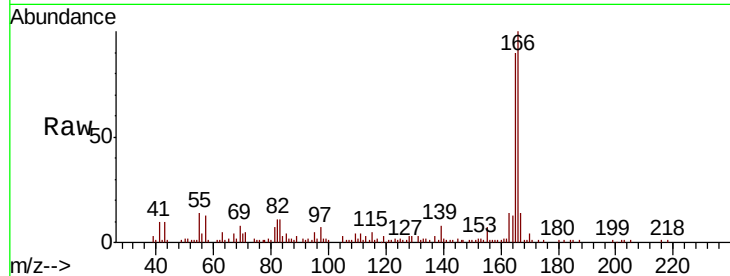
#58
 Fluorene
 Concen: 3.709 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. -0.01 min
 Lab File: BF120044.D
 Acq: 16 Apr 2020 18:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-23B

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	90.3	74.2	111.2	
167	14.4	10.8	16.2	

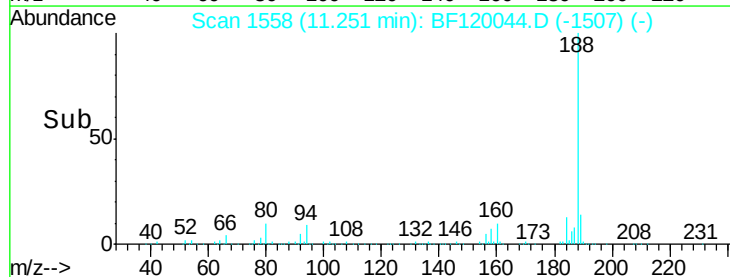
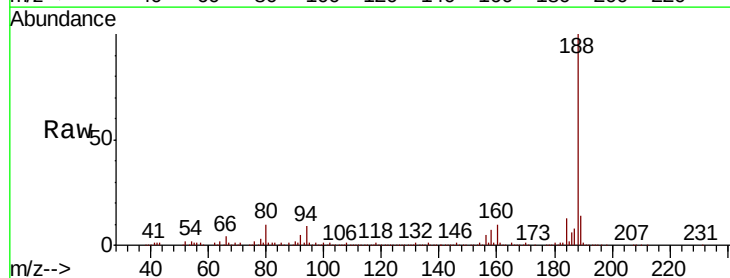
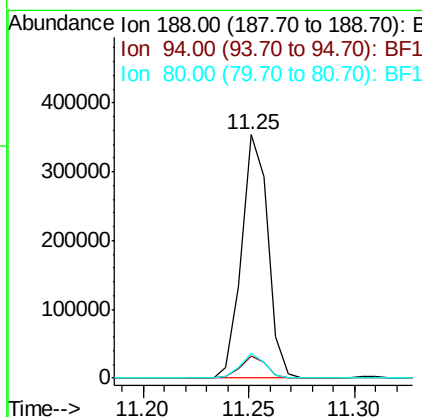
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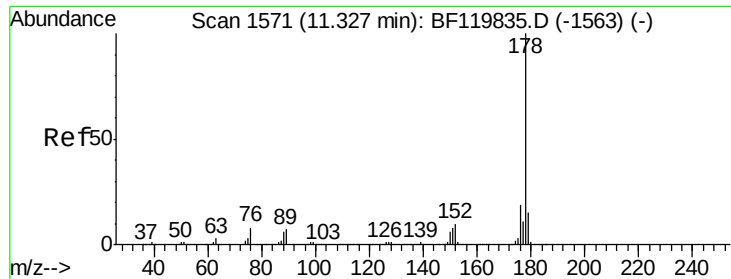
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF120044.D
 Acq: 16 Apr 2020 18:53

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.0	6.7	10.1	
80	10.0	7.4	11.2	





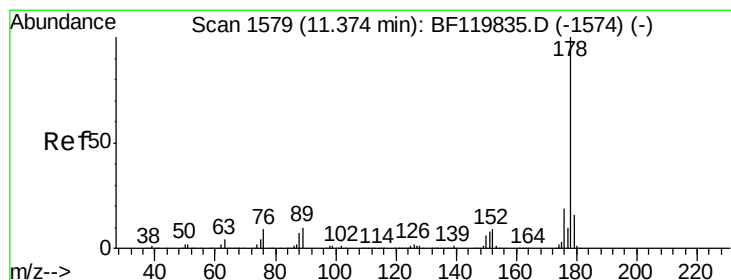
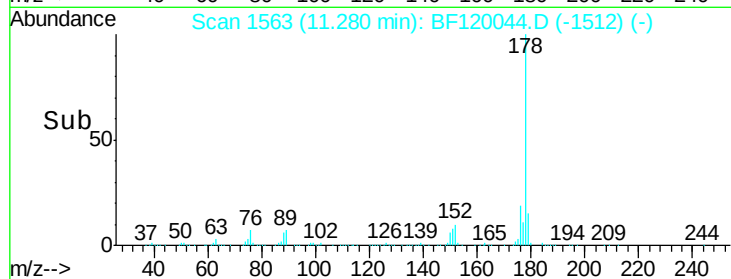
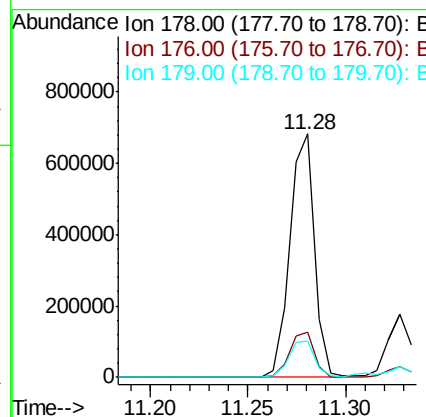
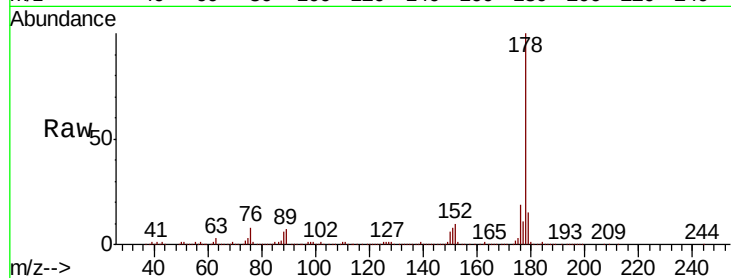
#71
Phenanthrene
Concen: 36.590 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Instrument :
BNA_F
ClientSampleId :
TP-23B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.0	12.2	18.4

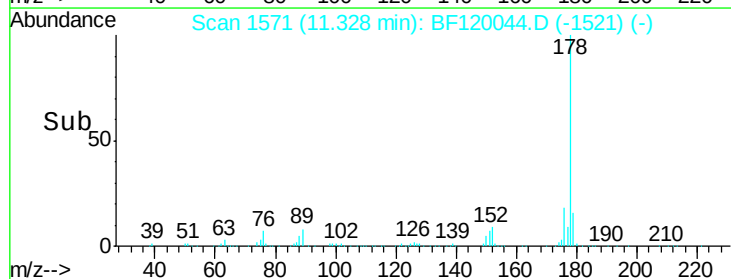
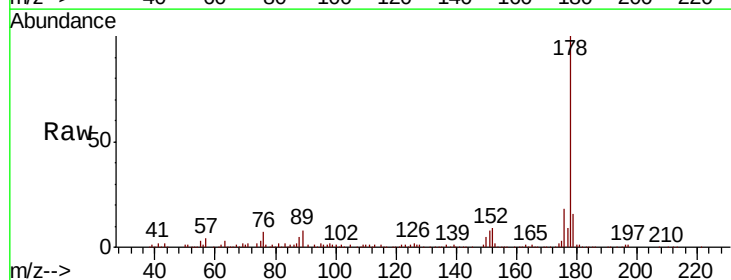
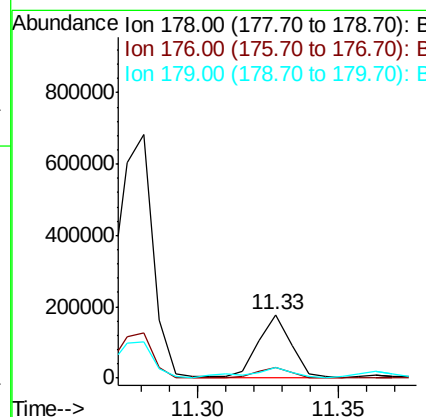
Manual Integrations
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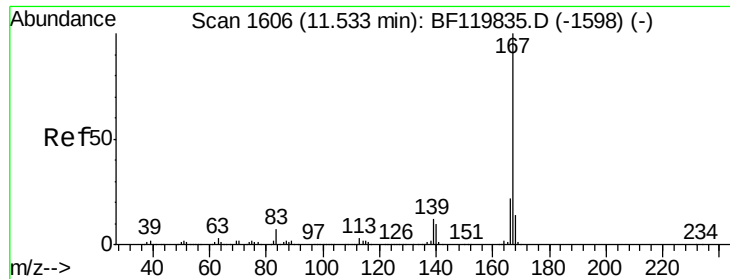
mohammad
4/17/2020 1:48:50 PM



#72
Anthracene
Concen: 8.623 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	16.5	12.8	19.2





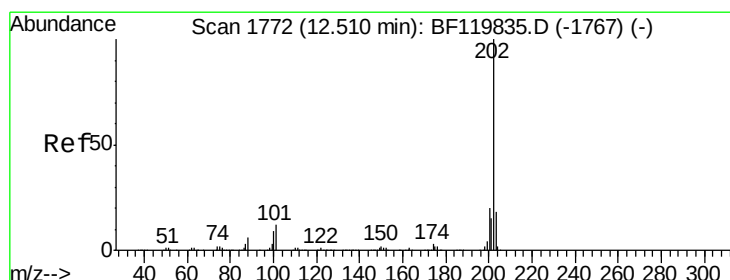
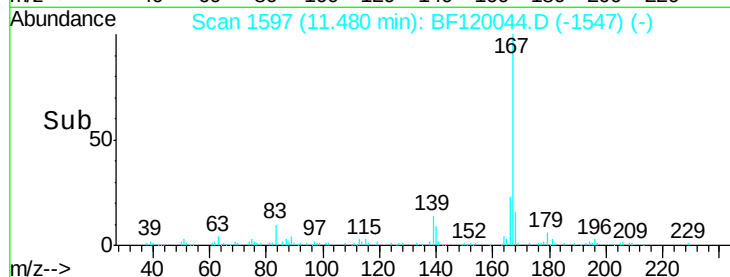
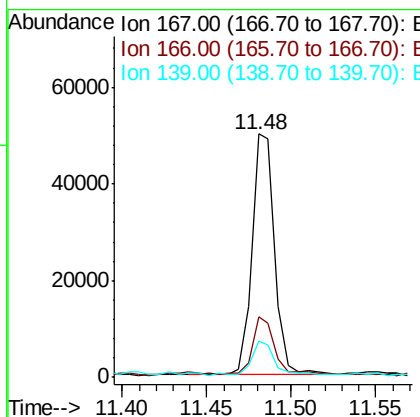
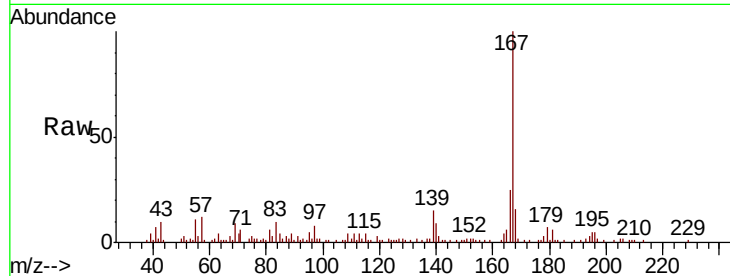
#73
 Carbazole
 Concen: 2.999 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF120044.D
 Acq: 16 Apr 2020 18:53

Instrument :
 BNA_F
 ClientSampleId :
 TP-23B

Tot Ion	Ratio	Lower	Upper
167	100		
166	24.7	17.4	26.0
139	14.7	9.8	14.8

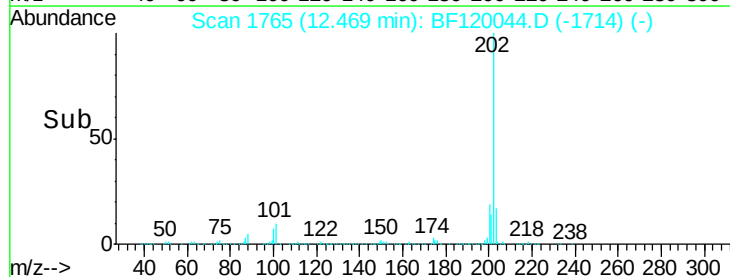
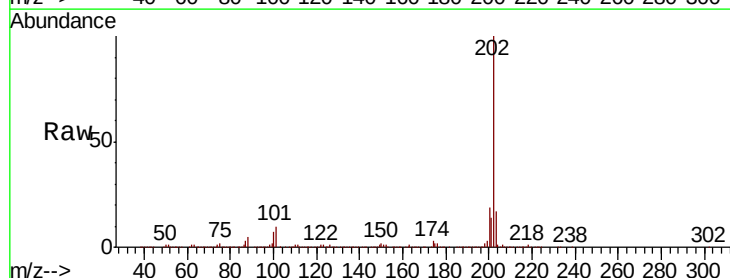
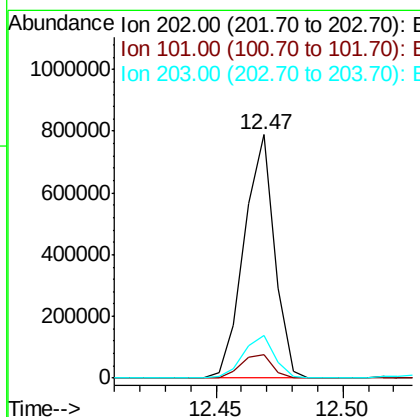
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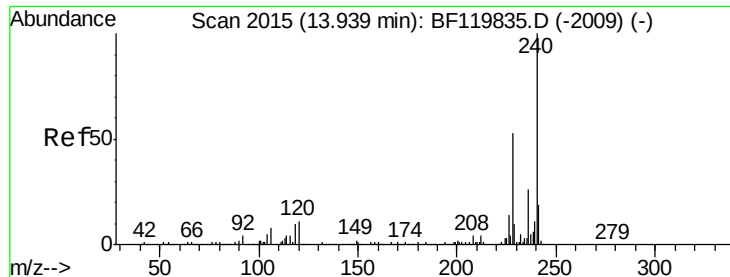
mohammad
 4/17/2020 1:48:50 PM



#75
 Fluoranthene
 Concen: 37.372 ng
 RT: 12.47 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF120044.D
 Acq: 16 Apr 2020 18:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	32.3
203	17.4	0.0	37.6





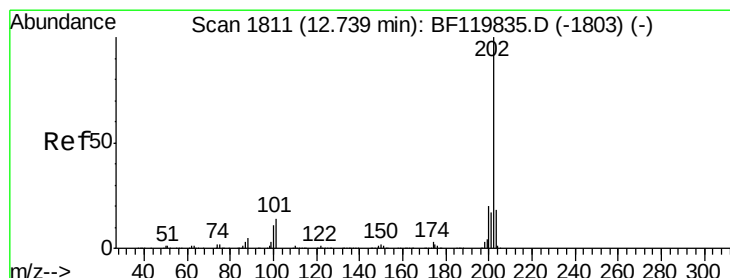
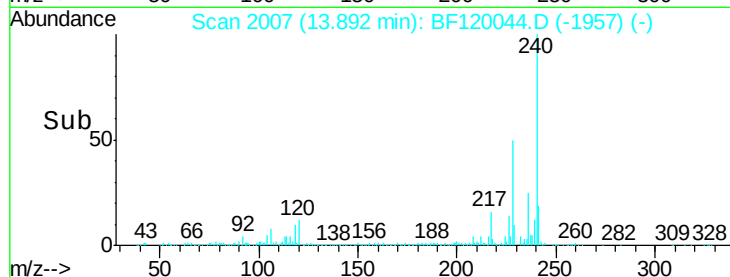
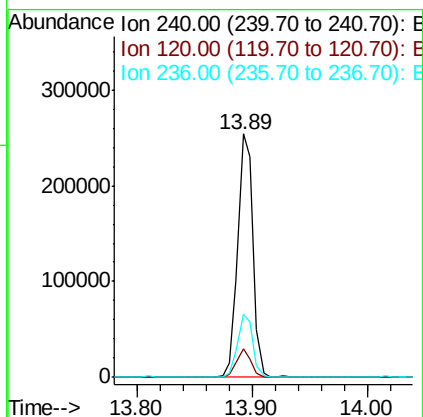
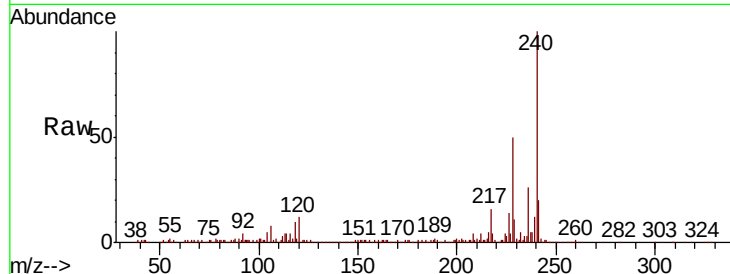
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Instrument :
BNA_F
ClientSampleId :
TP-23B

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.0	13.6
236	25.7	20.7	31.1

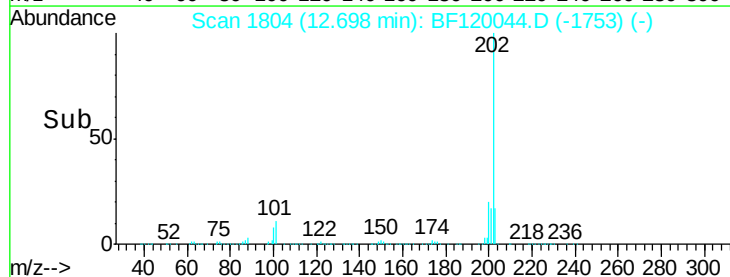
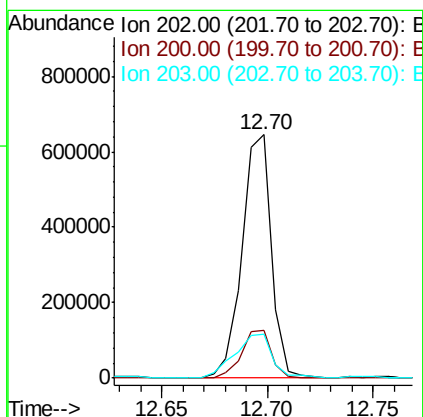
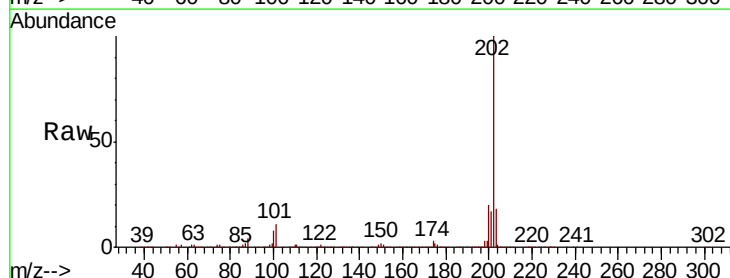
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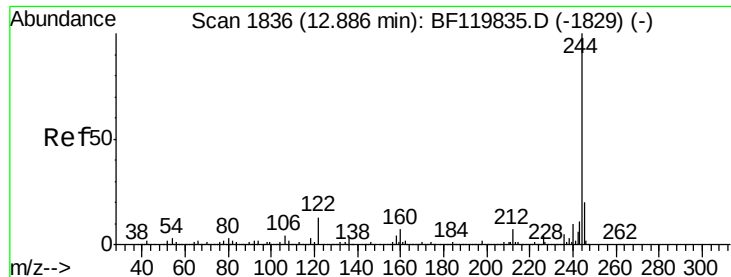
mohammad
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#78
Pyrene
Concen: 31.328 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.00 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.2	24.2
203	18.0	14.1	21.1





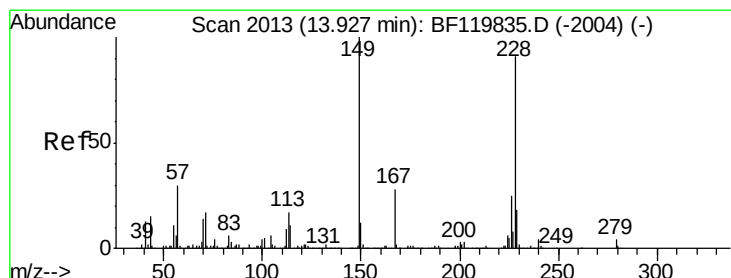
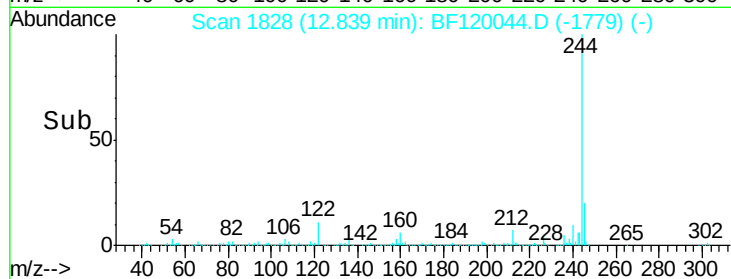
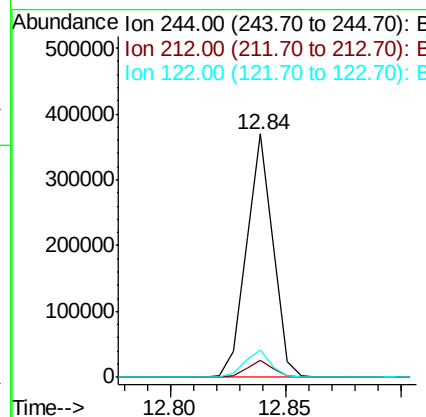
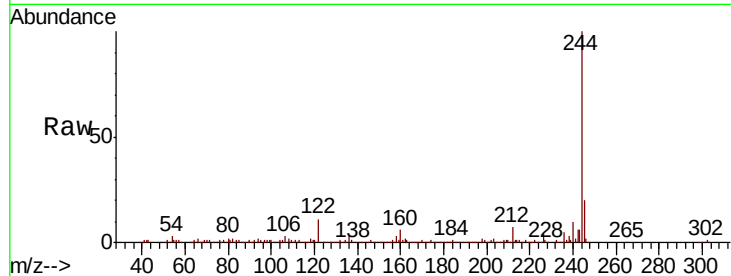
#79
 Terphenyl-d14
 Concen: 21.143 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF120044.D
 Acq: 16 Apr 2020 18:53

Instrument :
 BNA_F
 ClientSampled :
 TP-23B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.0	10.3	15.5

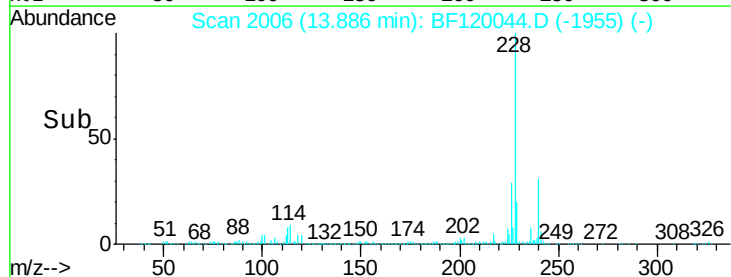
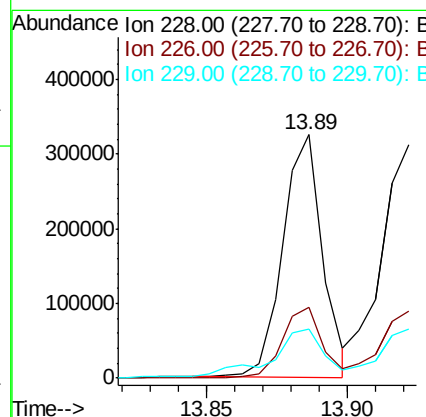
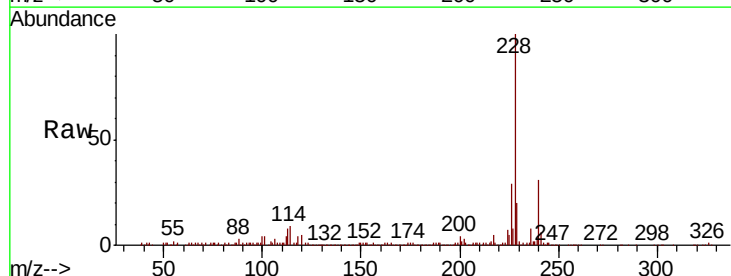
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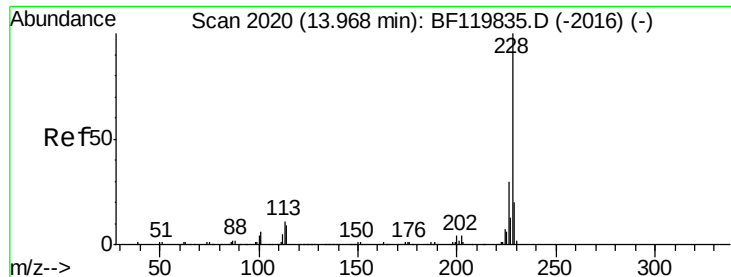
mohammad
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#81
 Benzo(a)anthracene
 Concen: 20.446 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: BF120044.D
 Acq: 16 Apr 2020 18:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.9	32.9
229	20.4	15.9	23.9





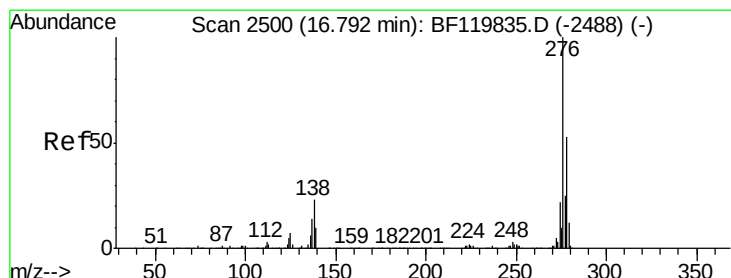
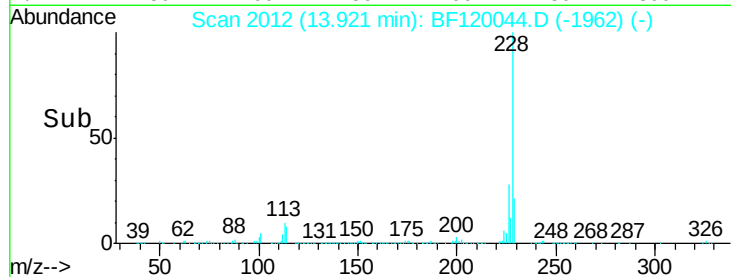
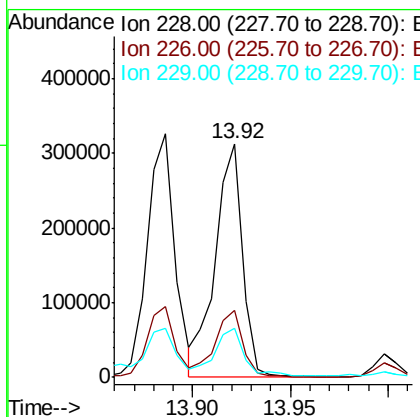
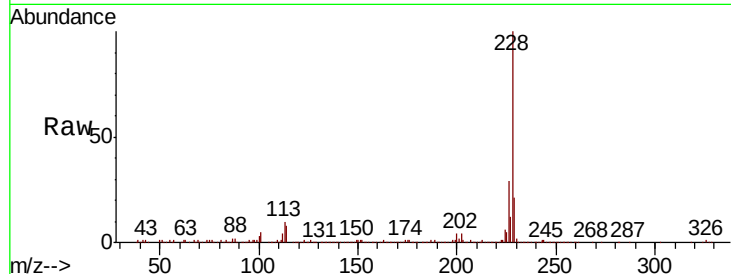
#83
Chrysene
Concen: 19.288 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Instrument :
BNA_F
ClientSampleId :
TP-23B

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.2	36.2
229	21.2	15.9	23.9

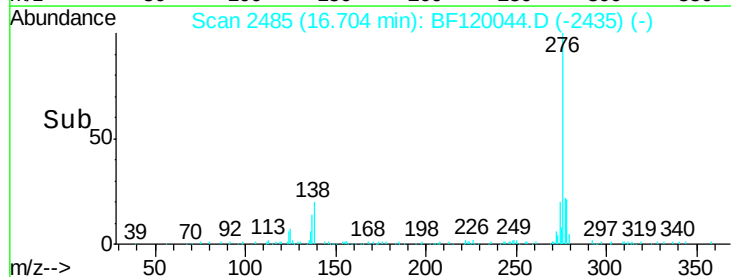
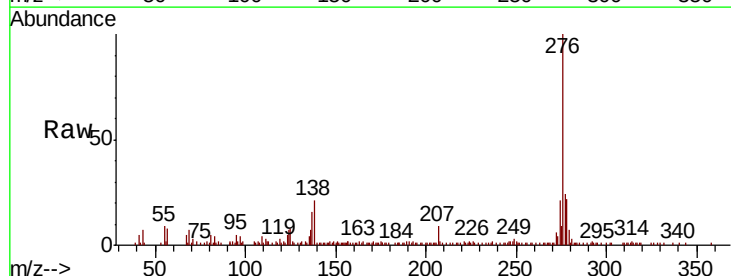
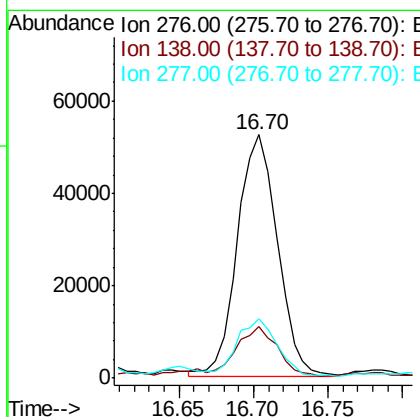
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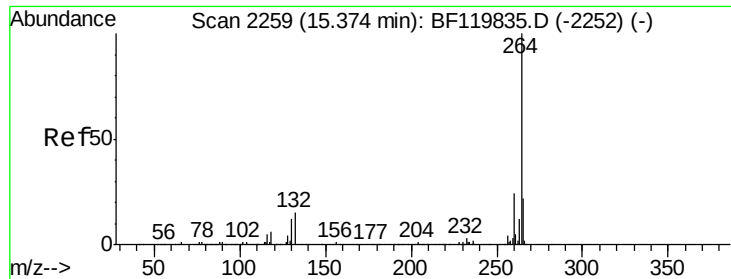
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.075 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.01 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.5	18.0	27.0
277	23.7	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2250

Delta R.T. 0.00 min

Lab File: BF120044.D

Acq: 16 Apr 2020 18:53

Instrument :

BNA_F

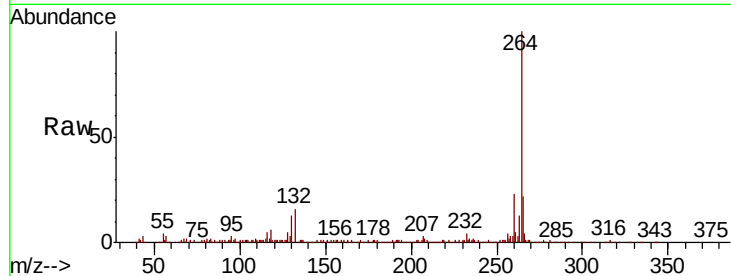
ClientSampleId :

TP-23B

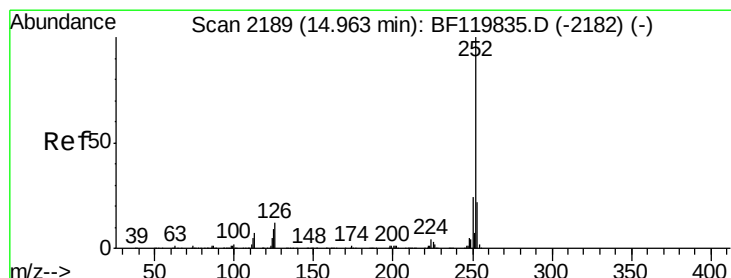
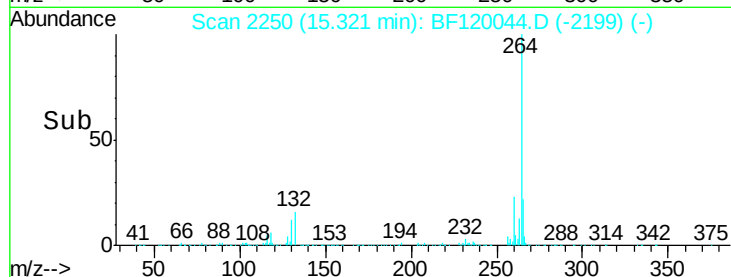
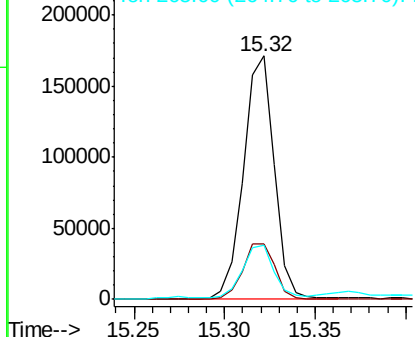
Tot Ion:	264	Resp:	199925
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.3	28.9
265	22.2	17.6	26.4

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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



#88

Benzo(b)fluoranthene

Concen: 18.708 ng m

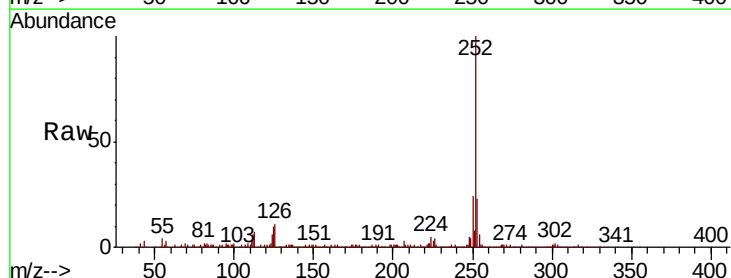
RT: 14.92 min Scan# 2181

Delta R.T. 0.00 min

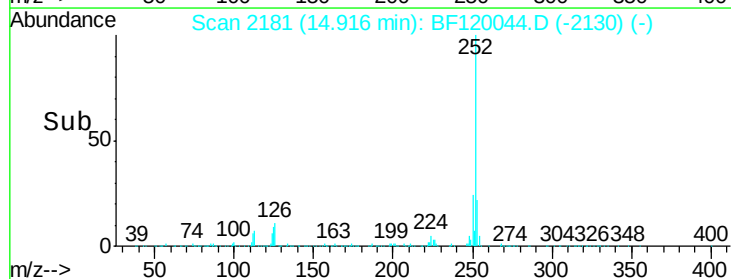
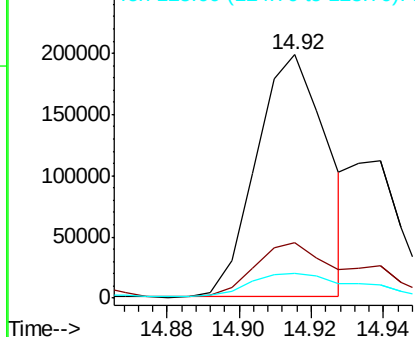
Lab File: BF120044.D

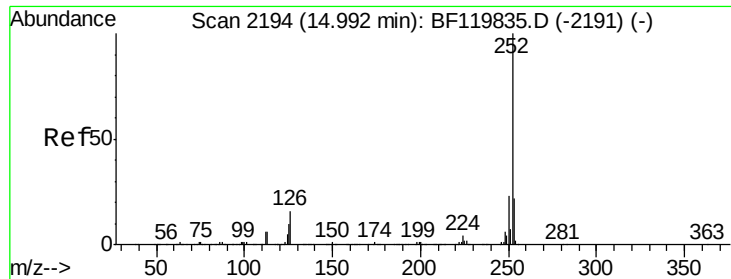
Acq: 16 Apr 2020 18:53

Tgt Ion:	252	Resp:	269061
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.7	26.5
125	10.1	7.4	11.2



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





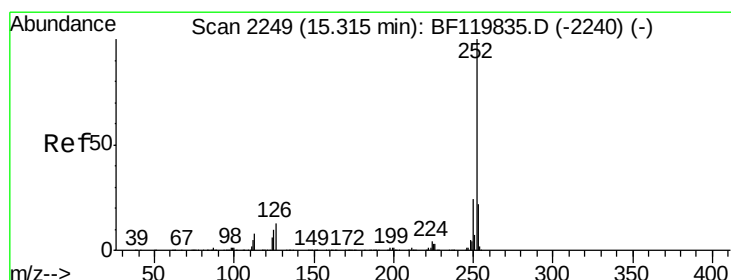
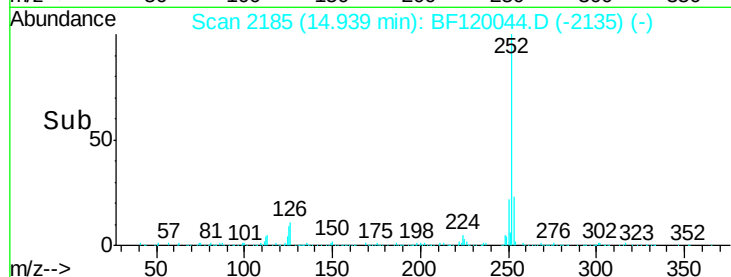
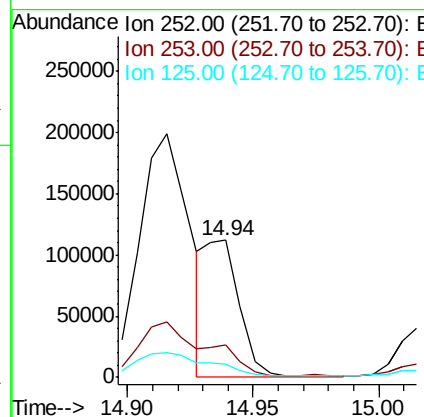
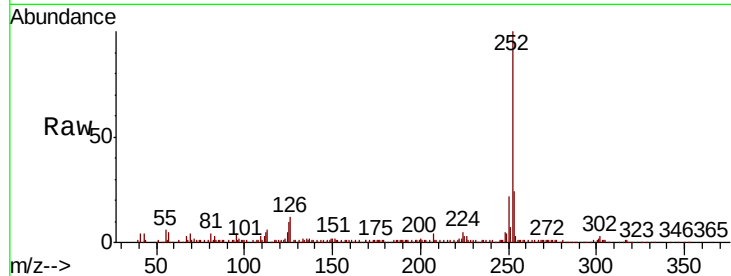
#89
Benzo(k)fluoranthene
Concen: 8.418 ng m
RT: 14.94 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Instrument :
BNA_F
ClientSampleId :
TP-23B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	10.0	7.7	11.5

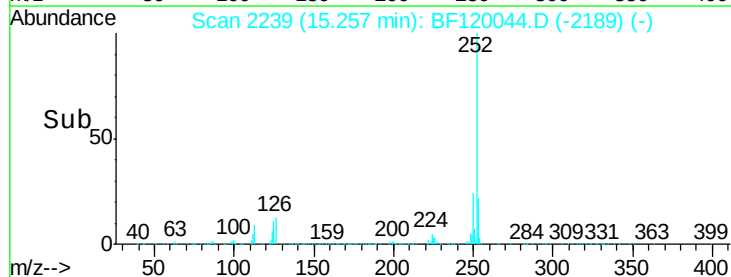
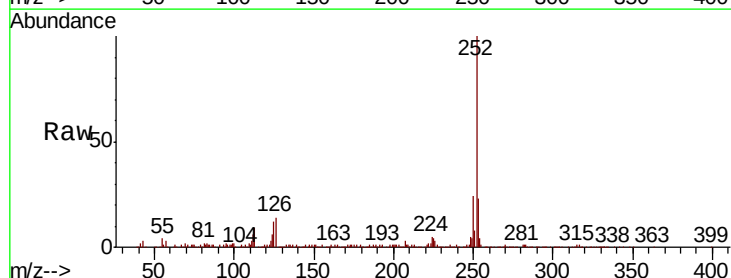
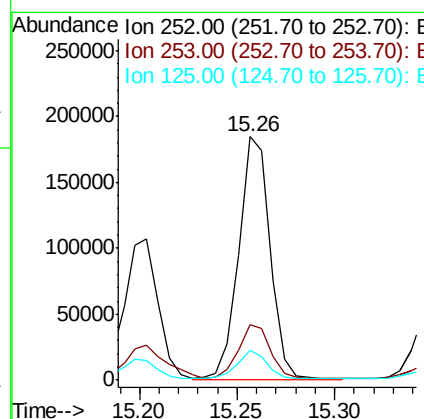
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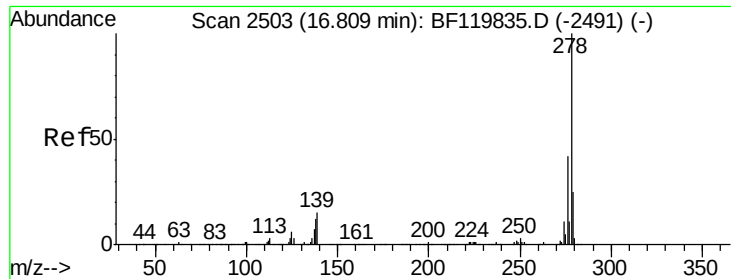
mohammad
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#90
Benzo(a)pyrene
Concen: 16.894 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	12.2	8.3	12.5





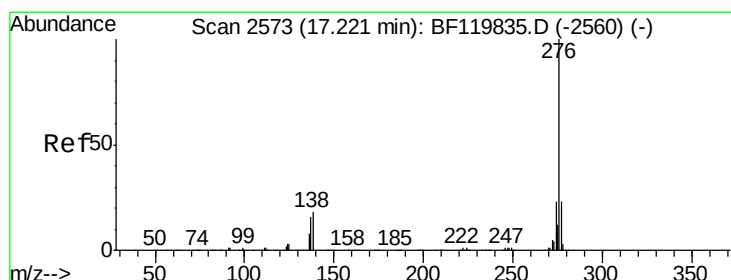
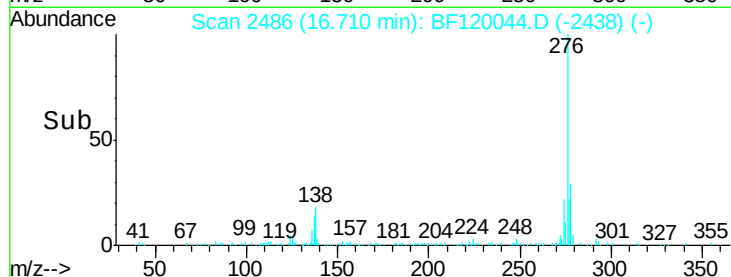
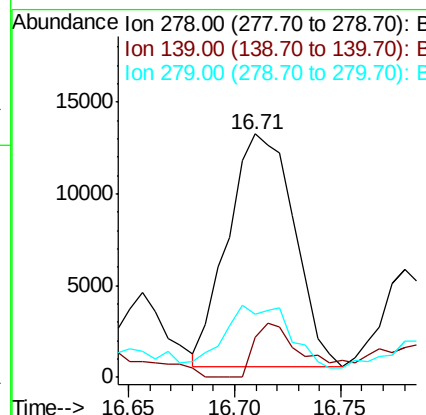
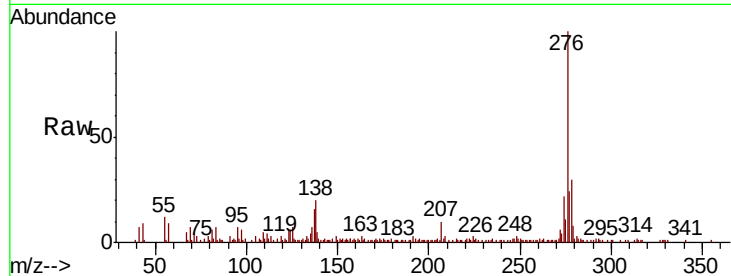
#91
Dibenzo(a,h)anthracene
Concen: 2.555 ng m
RT: 16.71 min Scan# 2486
Delta R.T. -0.02 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Instrument :
BNA_F
ClientSampleId :
TP-23B

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.5	11.6	17.4
279	25.8	19.7	29.5

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#92
Benzo(g,h,i)perylene
Concen: 8.218 ng
RT: 17.12 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BF120044.D
Acq: 16 Apr 2020 18:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.5	27.7
138	19.7	14.6	22.0

