

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
 Data File : BF118662.D
 Acq On : 22 Jan 2020 12:36
 Operator : CG/JU
 Sample : L1148-16DL 200X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-43-(2-4)DL

Manual Integrations
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Quant Time: Jan 22 13:28:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	365885	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1334622	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	666804	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	985593	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	781997	20.00	ng	-0.01
87) Perylene-d12	15.51	264	1066872	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	9035	0.46	ng	-0.01
7) Phenol-d6	6.49	99	12655	0.49	ng	-0.02
23) Nitrobenzene-d5	7.43	82	7264	0.30	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	2188	0.28	ng	-0.01
45) 2-Fluorobiphenyl	9.23	172	17441	0.43	ng	-0.01
79) Terphenyl-d14	12.98	244	16728	0.47	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.18	128	2338006	38.780	ng	99
37) 2-Methylnaphthalene	8.87	142	603465	14.181	ng	98
38) 1-Methylnaphthalene	8.97	142	455784	11.273	ng	99
46) 1,1'-Biphenyl	9.33	154	221772	4.826	ng	95
49) Acenaphthylene	9.77	152	766785	14.071	ng	96
55) Dibenzofuran	10.12	168	159044	3.150	ng	92
58) Fluorene	10.46	166	529586	13.359	ng	99
71) Phenanthrene	11.43	178	2685899	56.487	ng	96
72) Anthracene	11.47	178	671820	14.279	ng	93
75) Fluoranthene	12.61	202	1295659	25.835	ng	97
78) Pyrene	12.84	202	1687389	31.783	ng	93
81) Benzo(a)anthracene	14.03	228	647221m	13.759	ng	
83) Chrysene	14.06	228	623258	13.824	ng	95
86) Indeno(1,2,3-cd)pyrene	16.98	276	376078	9.600	ng	99
88) Benzo(b)fluoranthene	15.08	252	724812m	10.808	ng	
89) Benzo(k)fluoranthene	15.10	252	169969m	2.736	ng	
90) Benzo(a)pyrene	15.44	252	744168	12.864	ng	98
91) Dibenzo(a,h)anthracene	16.99	278	104906m	2.050	ng	
92) Benzo(a,h,i)perylene	17.43	276	430274	8.660	ng	98

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

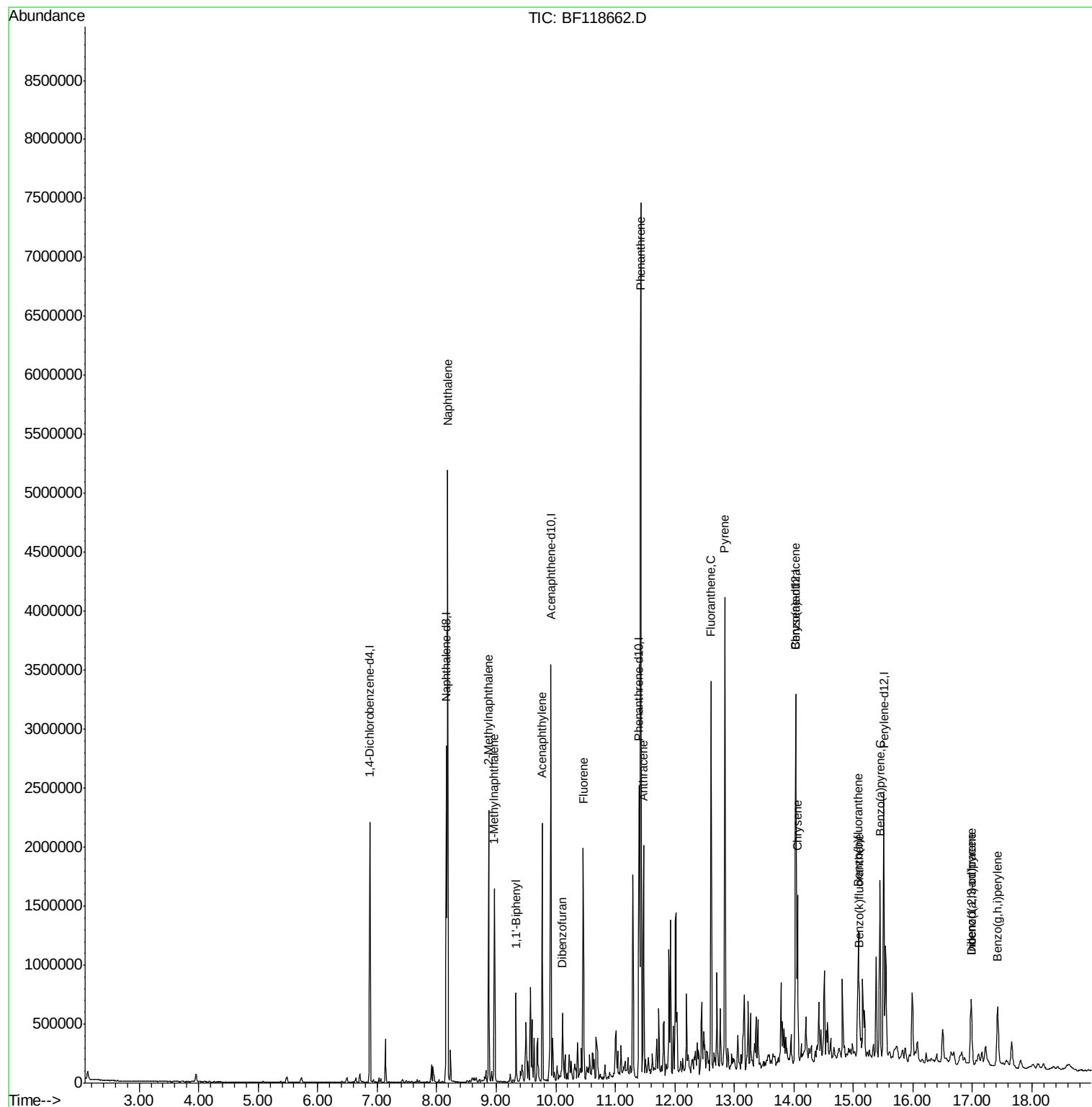
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012120\
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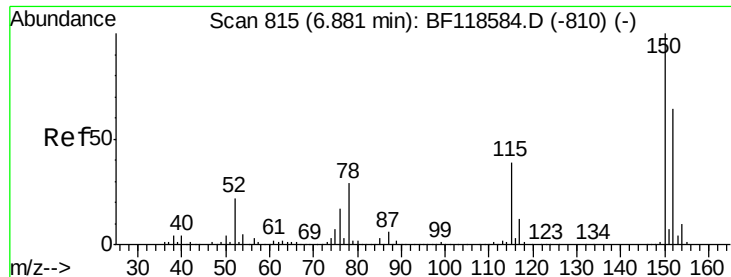
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

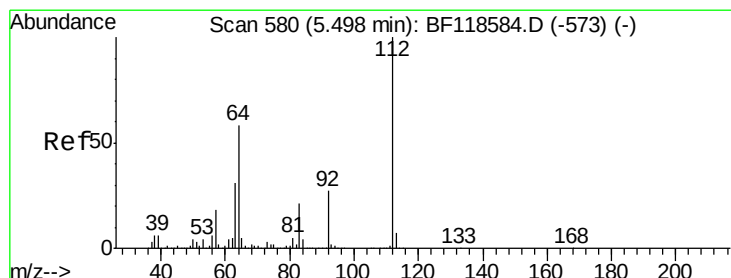
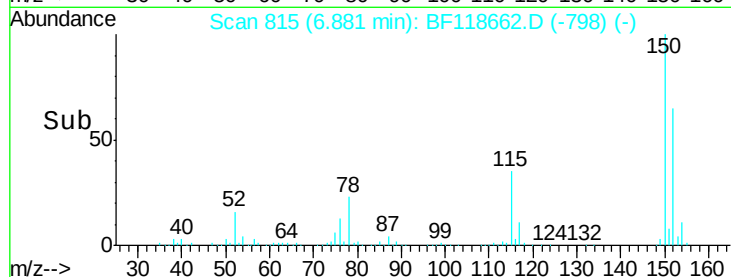
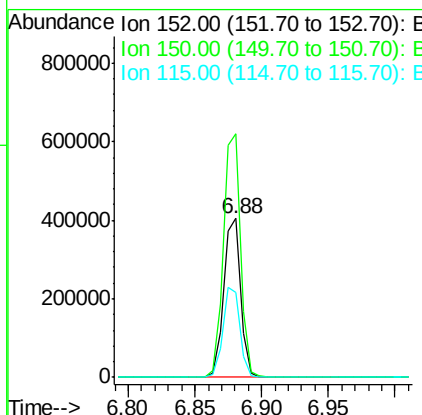
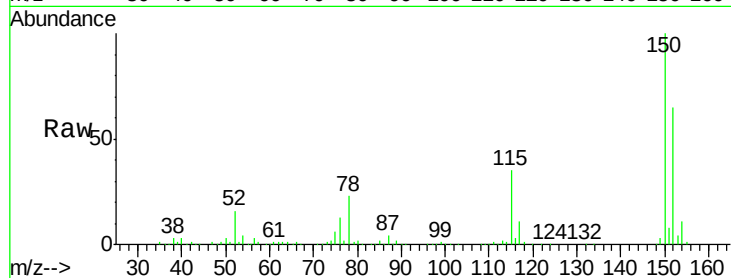
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Instrument :
BNA_F
ClientSampleId :
SB-43-(2-4)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	125.6	188.4
115	53.3	48.4	72.6

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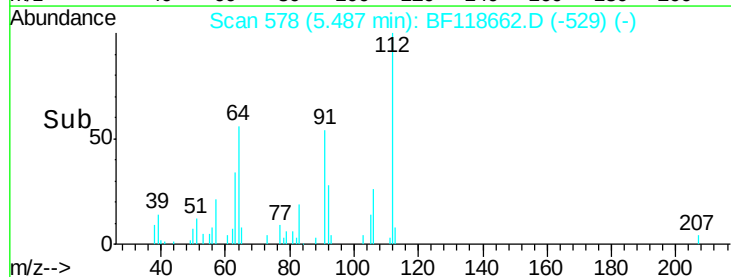
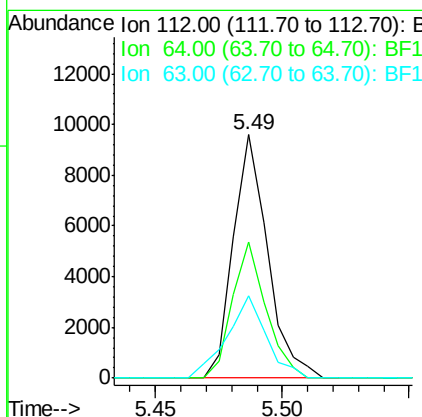
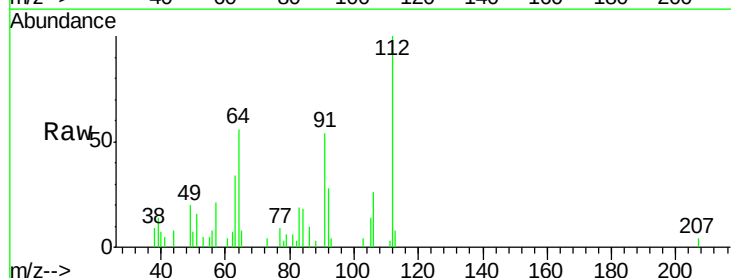
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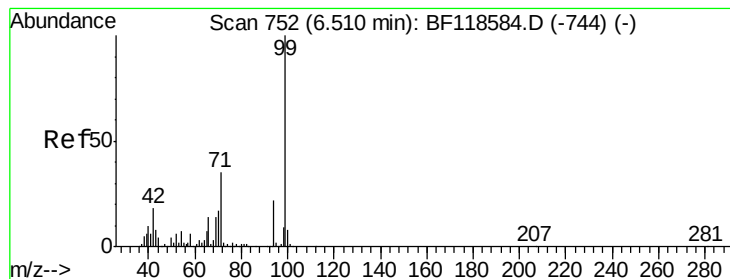


#5

2-Fluorophenol
Concen: 0.459 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	46.6	70.0
63	34.0	25.1	37.7





#7

Phenol-d6

Concen: 0.494 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF118662.D

Acq: 22 Jan 2020 12:36

Instrument :

BNA_F

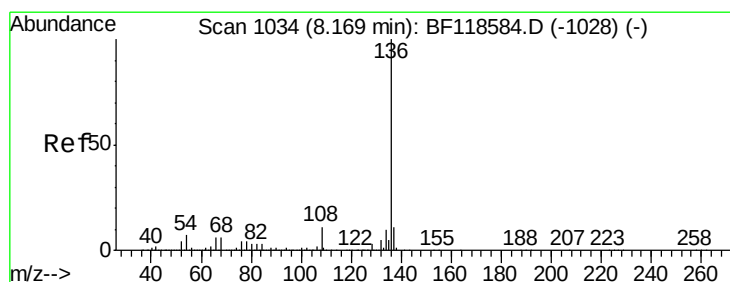
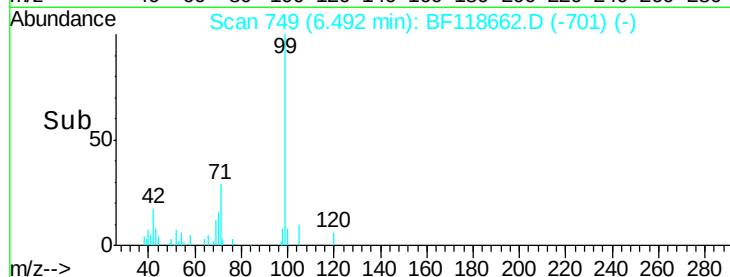
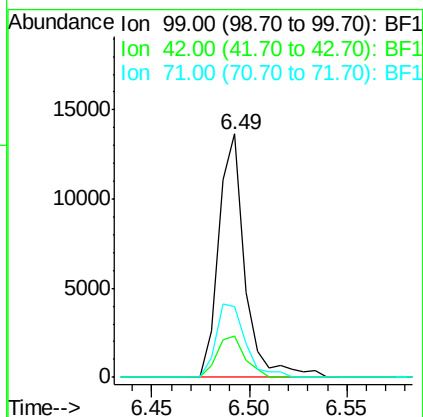
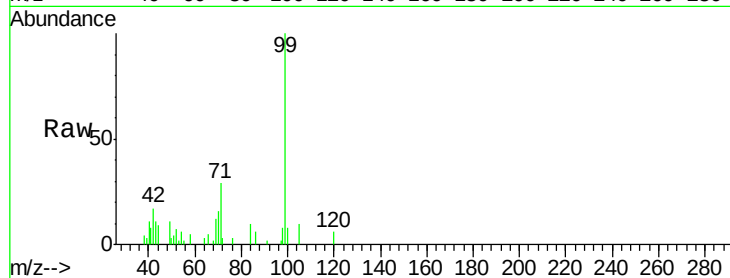
ClientSampleId :

SB-43-(2-4)DL

Tot Ion:	99	Resp:	12655
Ion Ratio	Lower	Upper	
99	100		
42	16.8	14.2	21.2
71	29.1	27.8	41.6

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#21

Naphthalene-d8

Concen: 20.000 ng

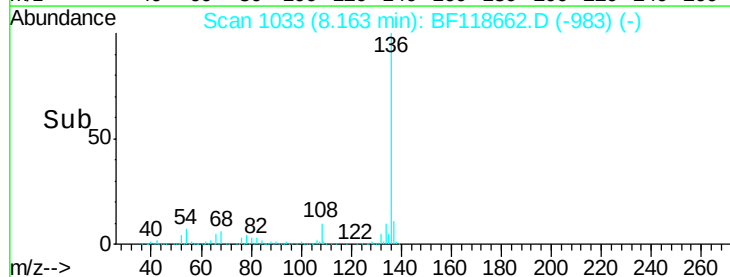
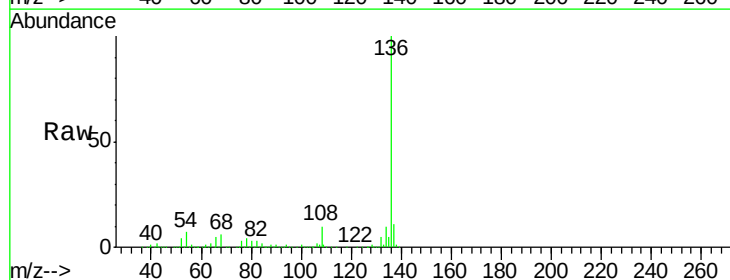
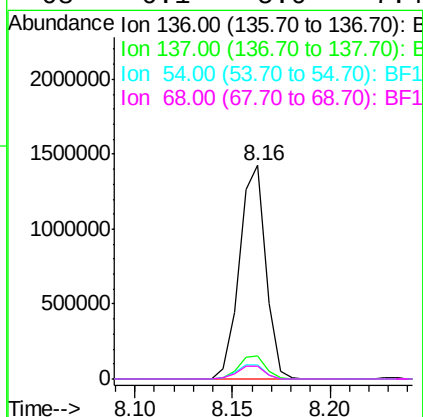
RT: 8.16 min Scan# 1033

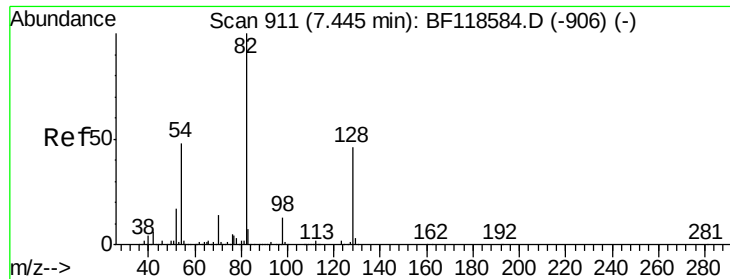
Delta R.T. -0.01 min

Lab File: BF118662.D

Acq: 22 Jan 2020 12:36

Tgt Ion:	136	Resp:	1334622
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.1	13.7
54	6.7	5.8	8.6
68	6.1	5.0	7.4





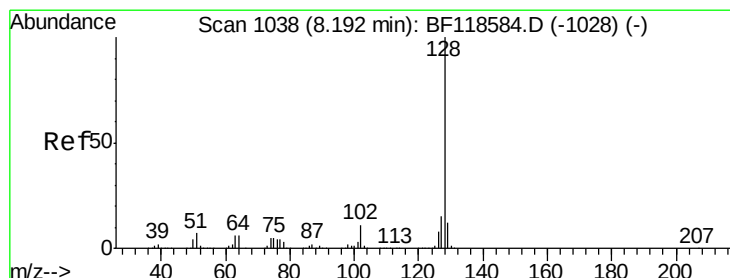
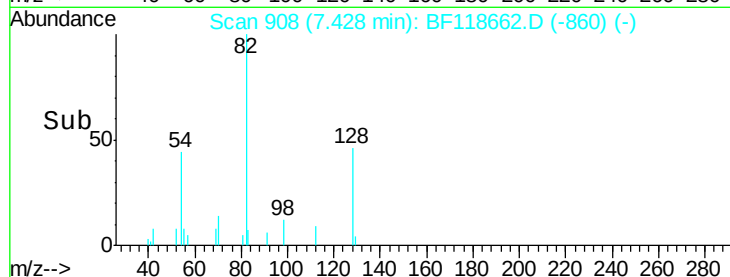
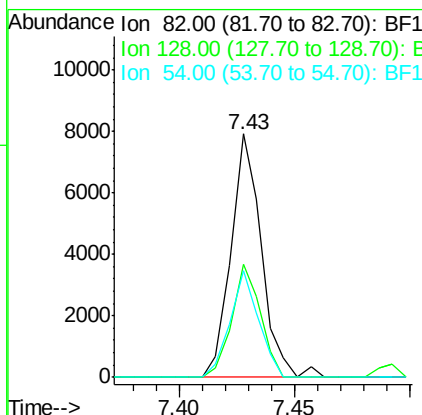
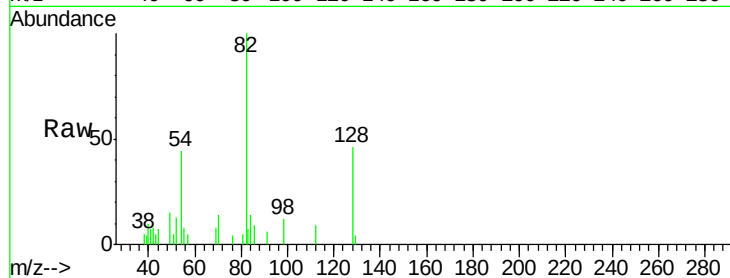
#23
 Nitrobenzene-d5
 Concen: 0.304 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.02 min
 Lab File: BF118662.D
 Acq: 22 Jan 2020 12:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-43-(2-4)DL

Tot Ion	82	Resp	7264
Ion Ratio	100	Lower	Upper
82	100		
128	46.3	36.6	54.8
54	43.6	38.0	57.0

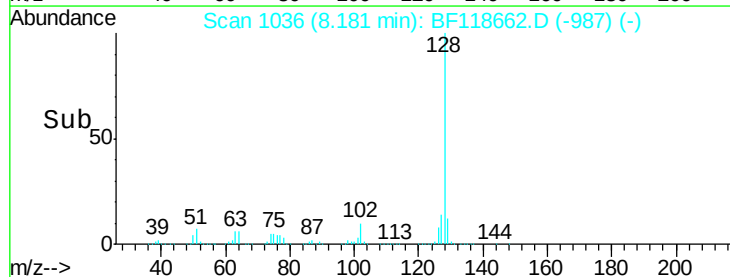
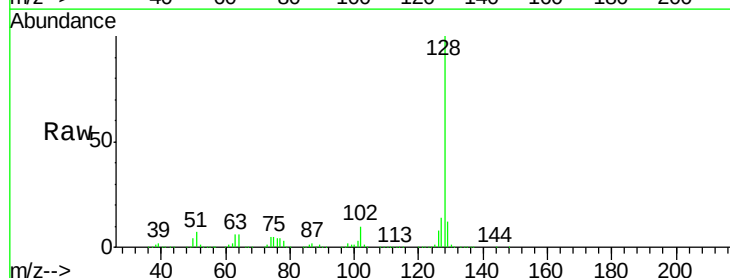
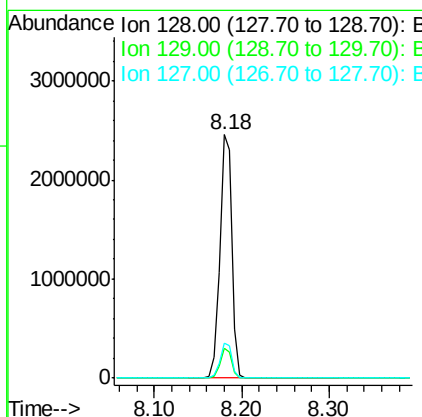
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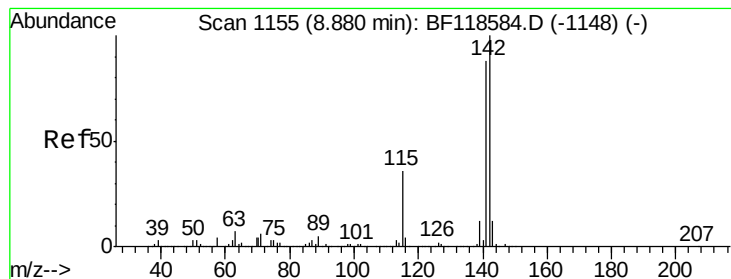
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#31
 Naphthalene
 Concen: 38.780 ng
 RT: 8.18 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: BF118662.D
 Acq: 22 Jan 2020 12:36

Tgt Ion	128	Resp	2338006
Ion Ratio	100	Lower	Upper
128	100		
129	12.4	9.9	14.9
127	14.2	12.0	18.0





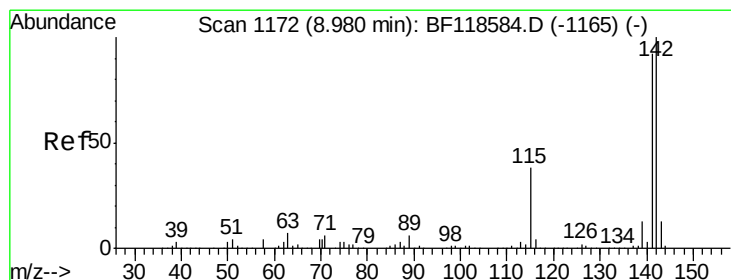
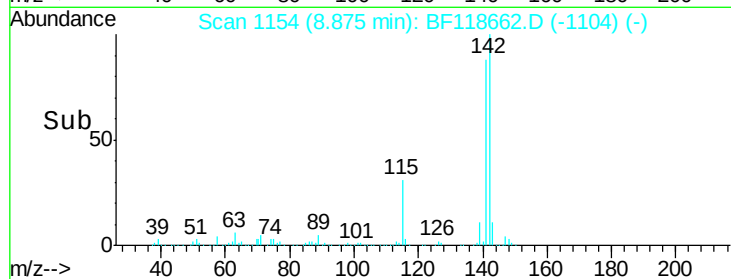
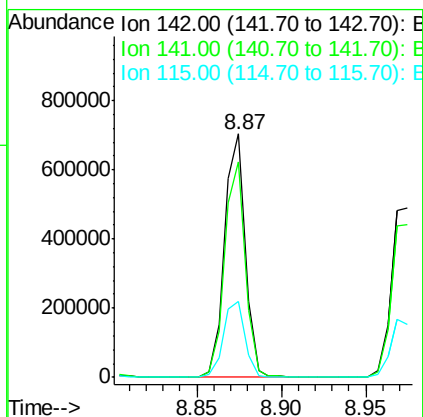
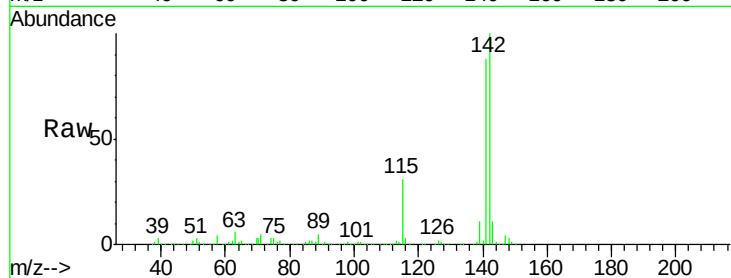
#37
2-Methylnaphthalene
Concen: 14.181 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Instrument :
BNA_F
ClientSampleId :
SB-43-(2-4)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.7	106.1
115	31.3	28.5	42.7

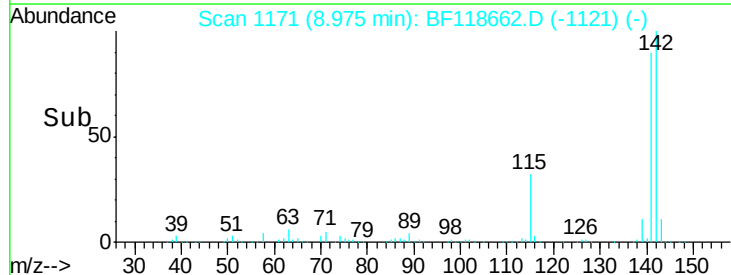
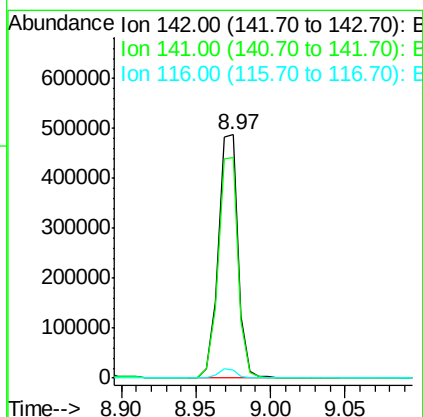
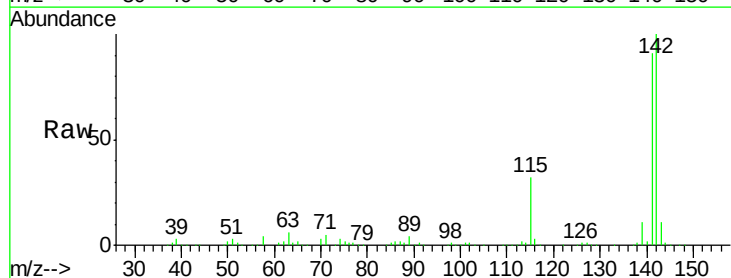
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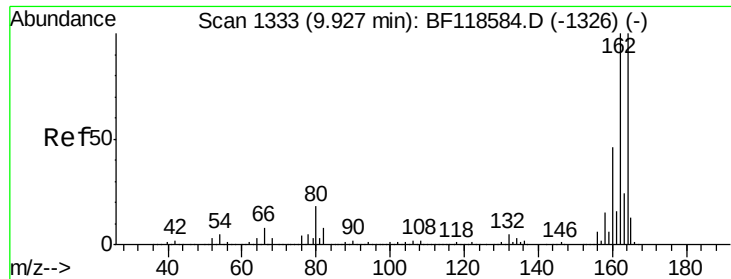
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#38
1-Methylnaphthalene
Concen: 11.273 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.4	110.2
116	3.4	3.3	4.9





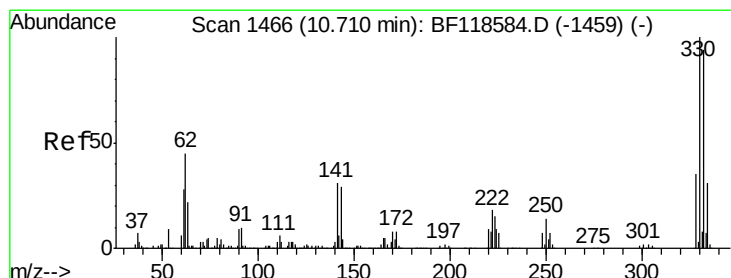
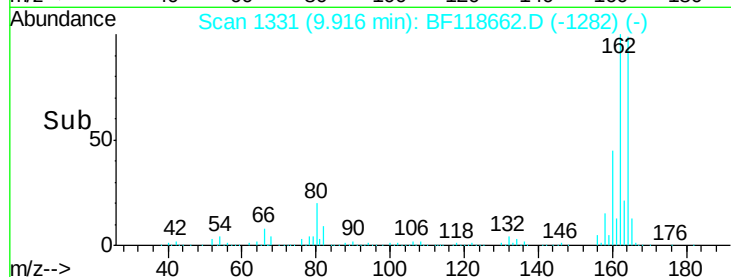
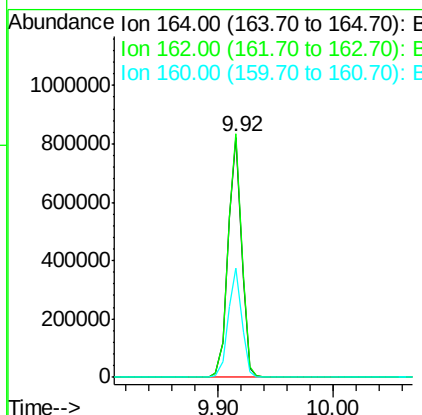
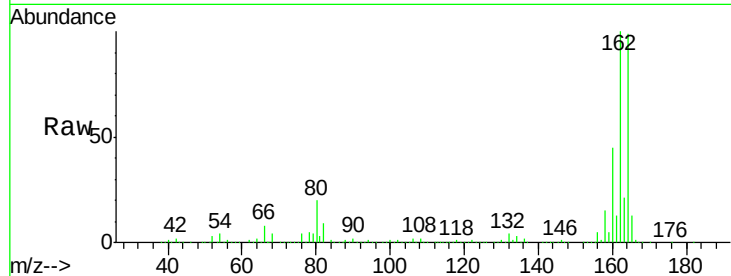
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Instrument :
BNA_F
ClientSampleID :
SB-43-(2-4)DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.4	120.6
160	45.5	36.6	55.0

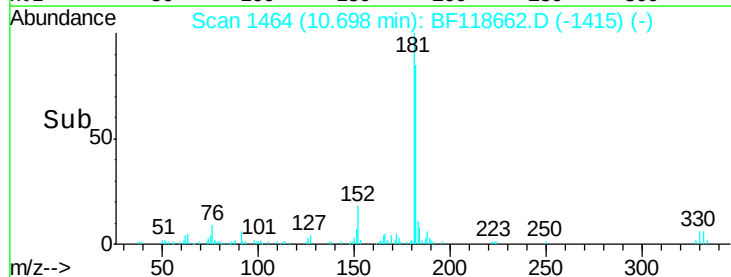
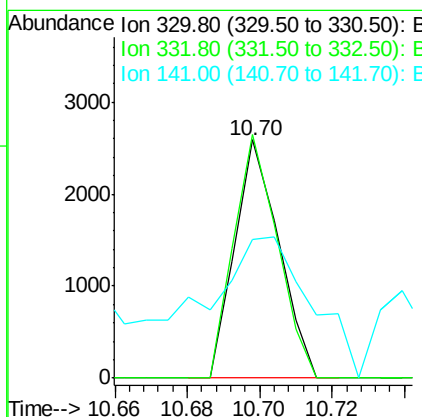
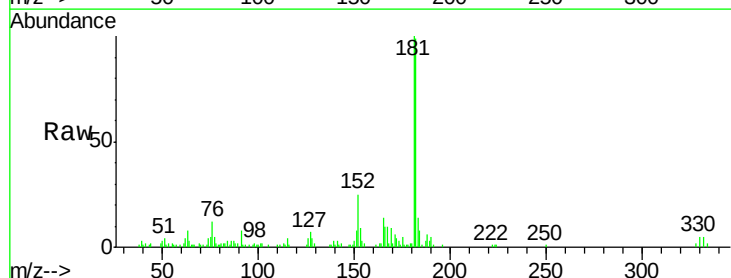
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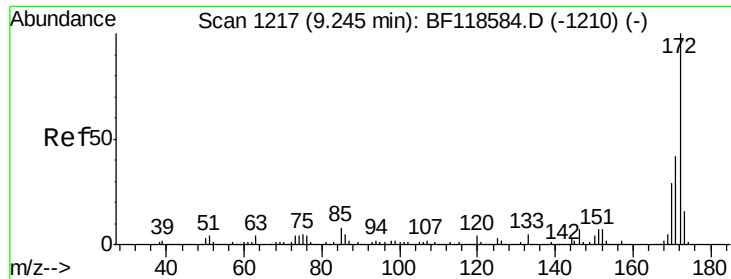
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#42
2,4,6-Tribromophenol
Concen: 0.284 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.1	76.2	114.4
141	131.7	23.9	35.9#





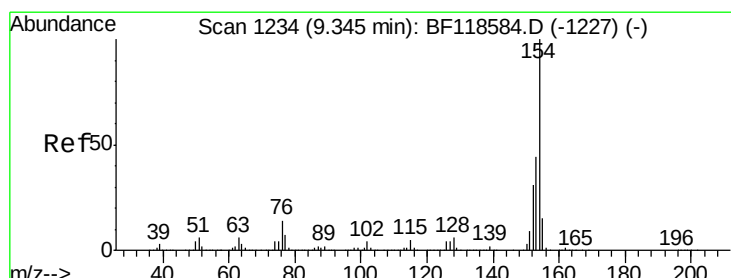
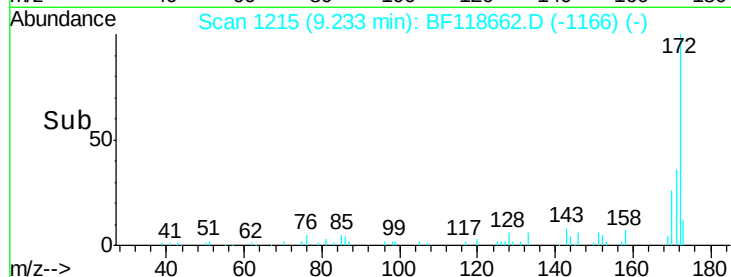
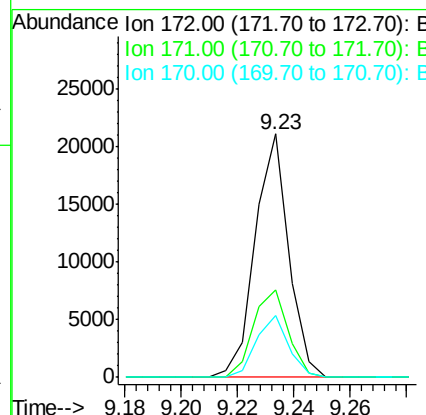
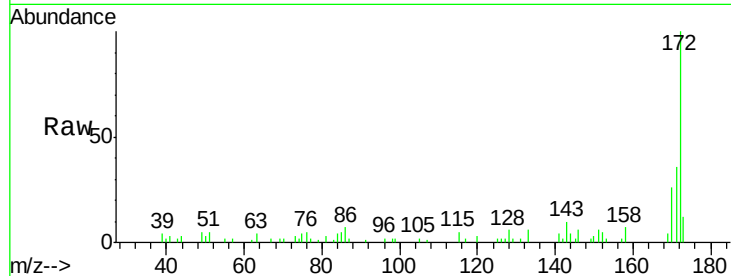
#45
2-Fluorobiphenyl
Concen: 0.430 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Instrument :
BNA_F
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SB-43-(2-4)DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	33.4	50.2
170	25.5	23.2	34.8

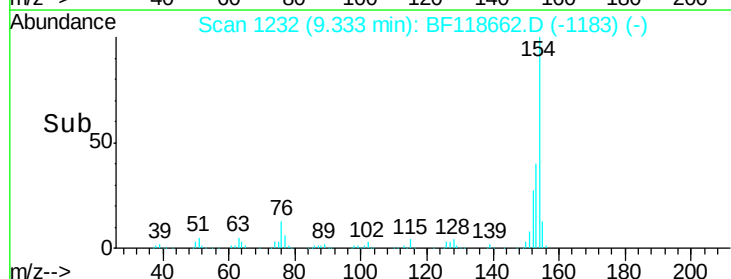
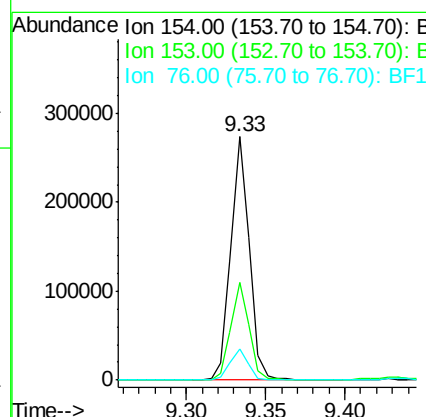
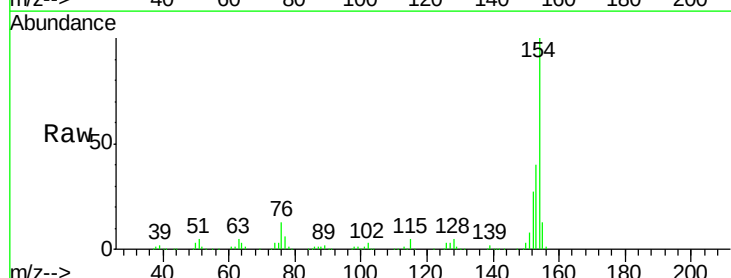
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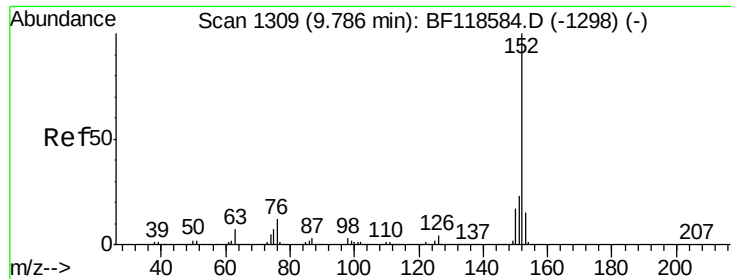
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#46
1,1'-Biphenyl
Concen: 4.826 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.2	23.8	63.8
76	12.7	0.0	34.3





#49

Acenaphthylene

Concen: 14.071 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF118662.D

Acq: 22 Jan 2020 12:36

Instrument :

BNA_F

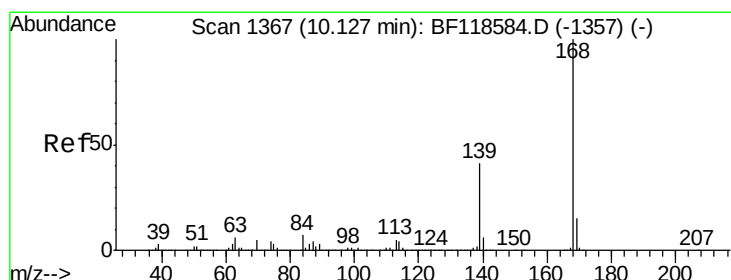
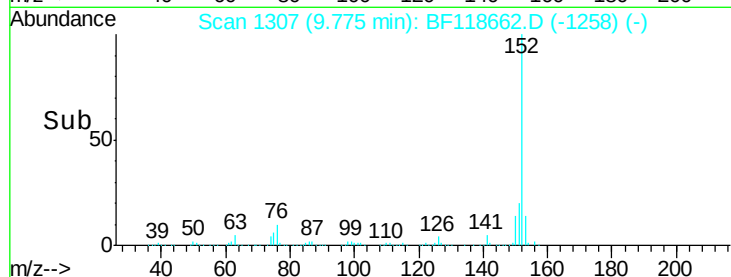
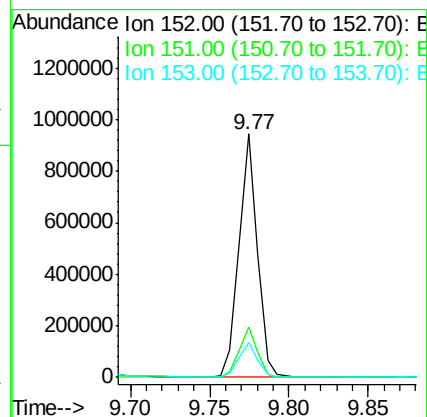
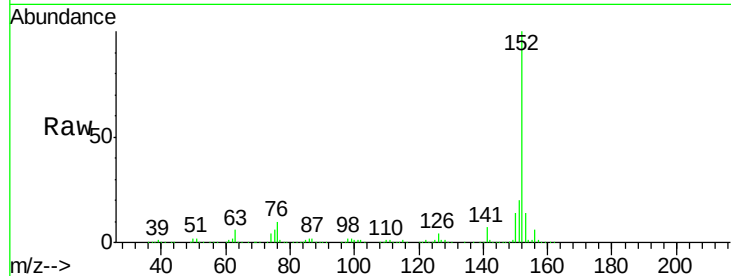
ClientSampleId :

SB-43-(2-4)DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.5	18.6	27.8
153	14.2	12.2	18.4

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#55

Dibenzofuran

Concen: 3.150 ng

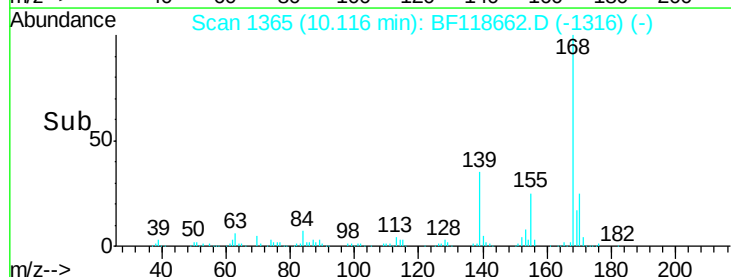
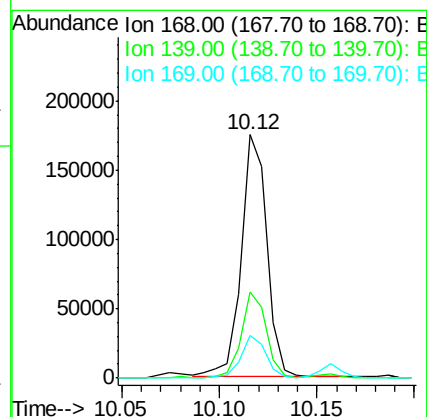
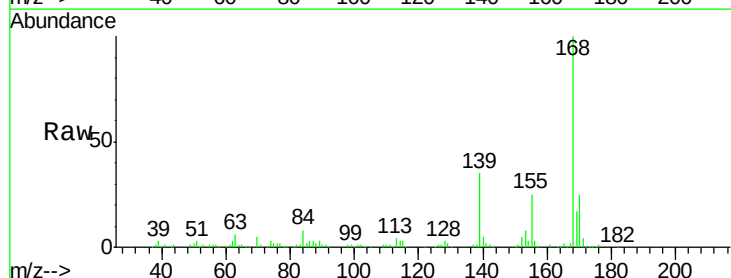
RT: 10.12 min Scan# 1365

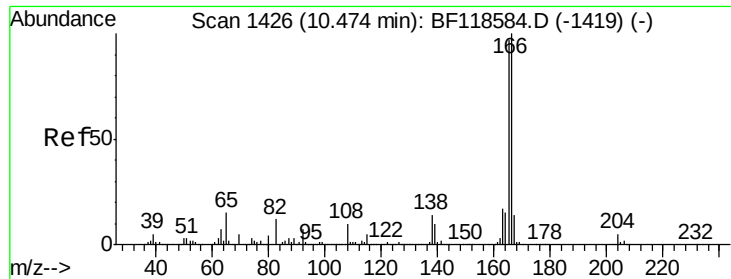
Delta R.T. -0.01 min

Lab File: BF118662.D

Acq: 22 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.3	32.7	49.1
169	17.3	12.2	18.2





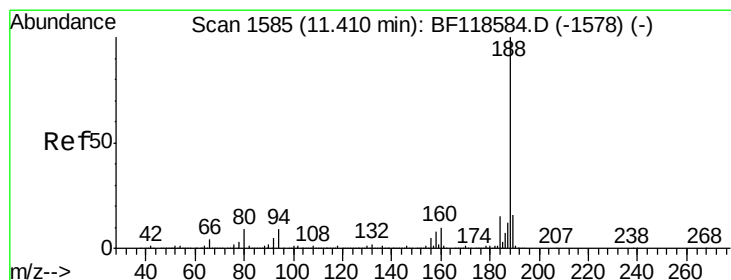
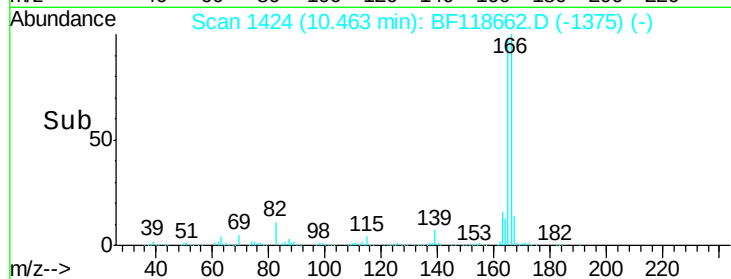
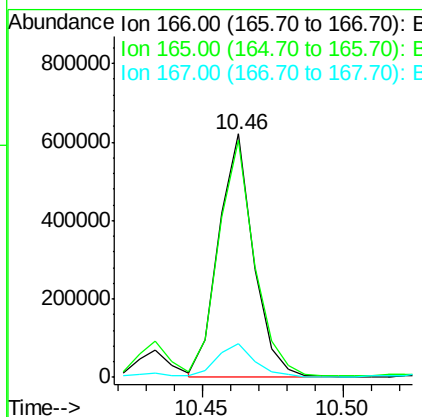
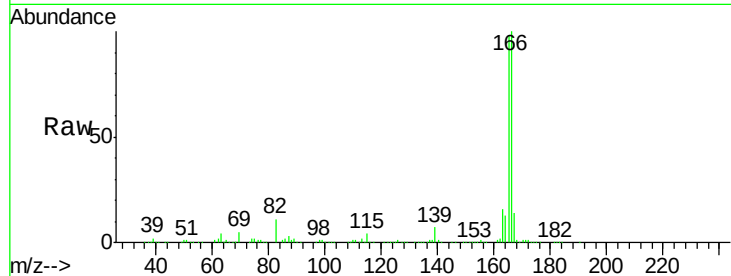
#58
 Fluorene
 Concen: 13.359 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF118662.D
 Acq: 22 Jan 2020 12:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-43-(2-4)DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.3	115.9
167	13.8	11.5	17.3

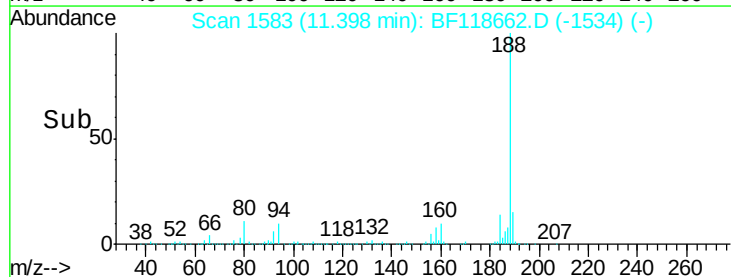
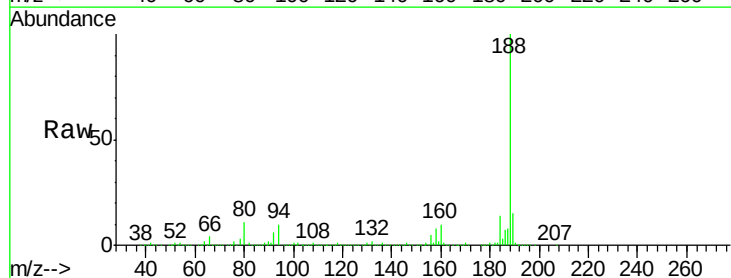
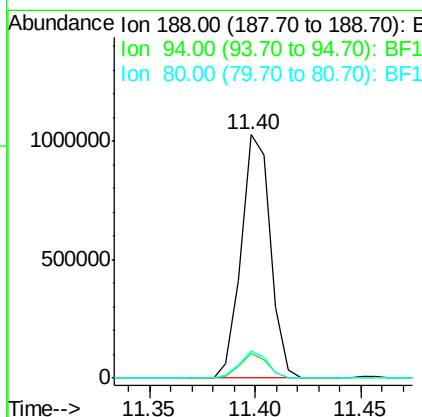
Manual Integrations
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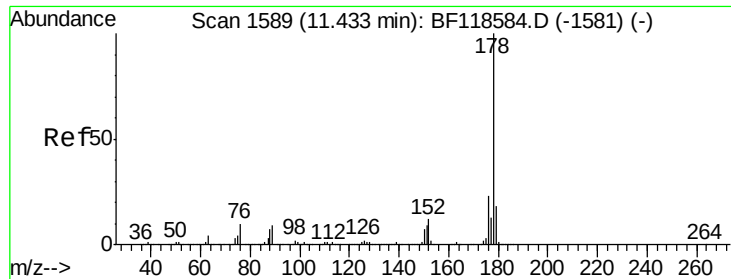
mohammad
 1/23/2020 7:57:59 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF118662.D
 Acq: 22 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.1	10.7
80	11.3	7.5	11.3#





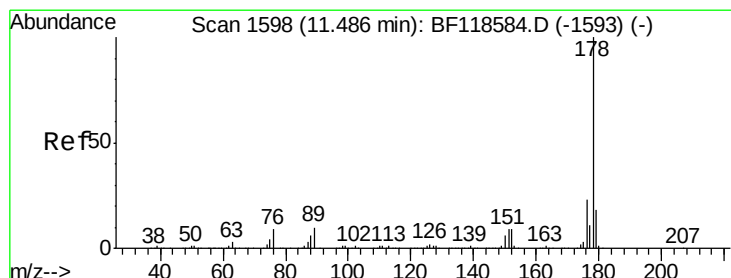
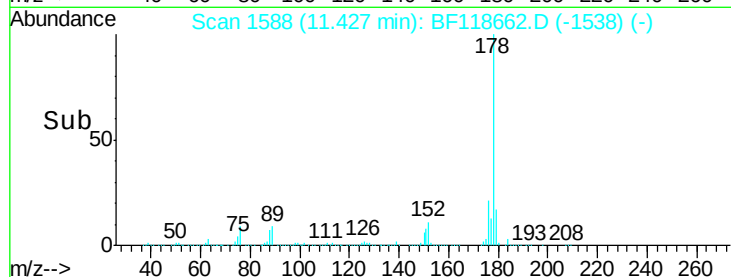
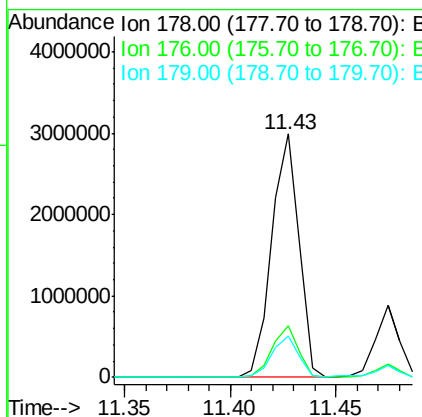
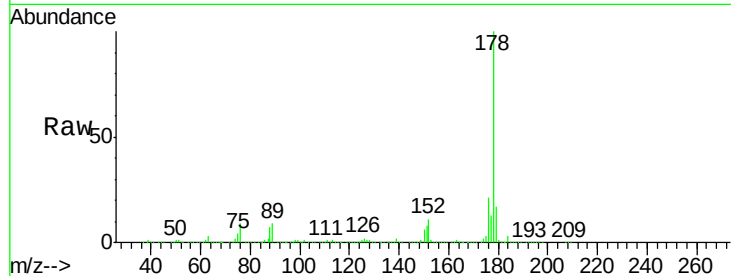
#71
Phenanthrene
Concen: 56.487 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Instrument :
BNA_F
ClientSampleId :
SB-43-(2-4)DL

Tot Ion:178 Resp: 2685899
Ion Ratio Lower Upper
178 100
176 21.2 18.6 27.8
179 16.9 14.7 22.1

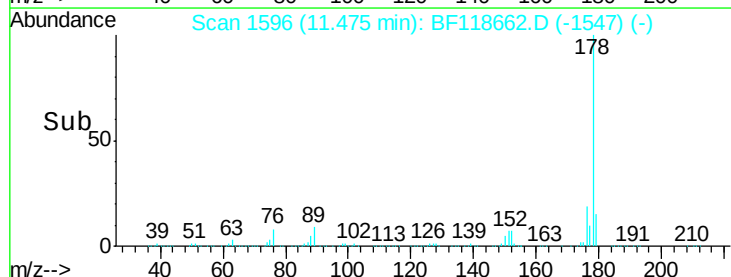
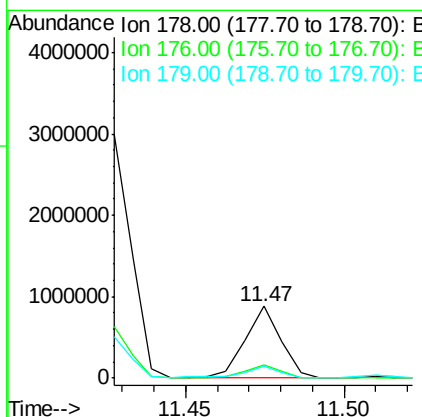
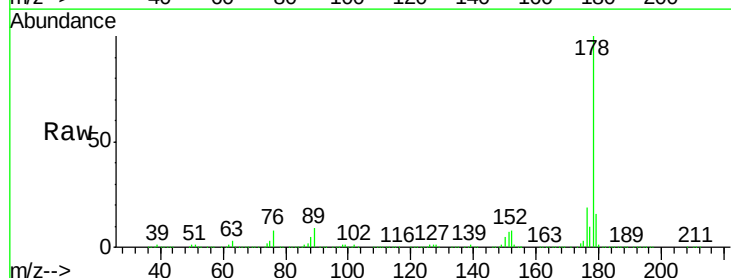
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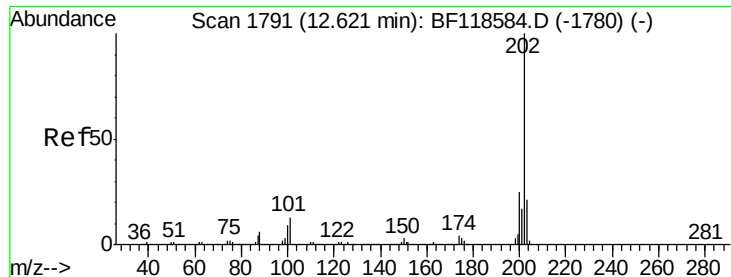
mohammad
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#72
Anthracene
Concen: 14.279 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Tgt Ion:178 Resp: 671820
Ion Ratio Lower Upper
178 100
176 18.8 18.0 27.0
179 15.8 14.7 22.1





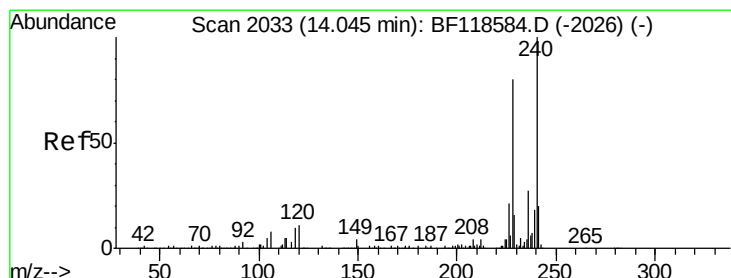
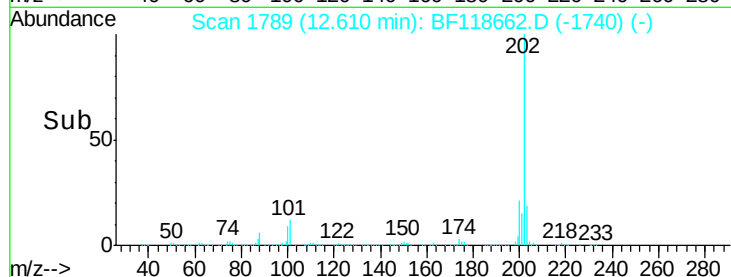
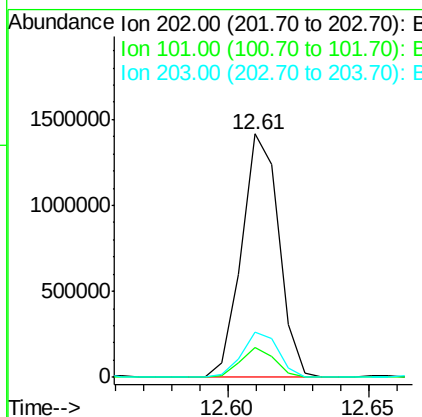
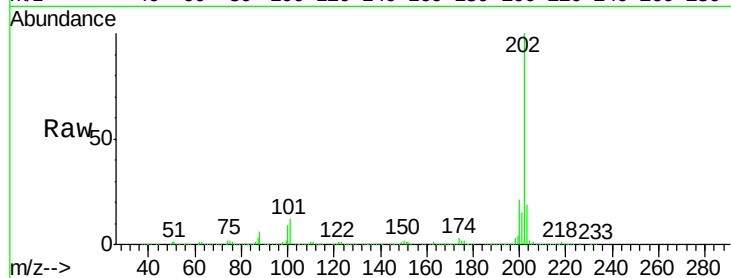
#75
Fluoranthene
Concen: 25.835 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Instrument :
BNA_F
ClientSampleId :
SB-43-(2-4)DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.5
203	18.8	0.8	40.8

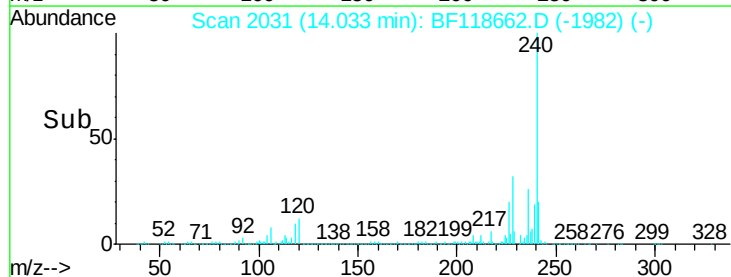
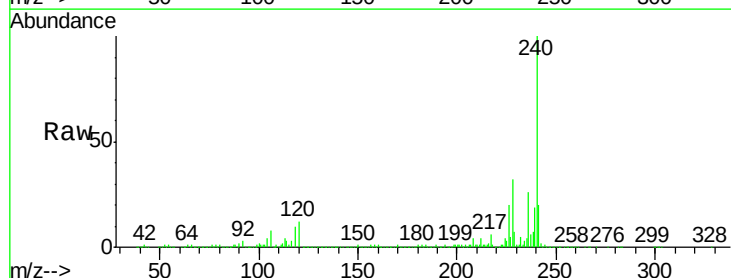
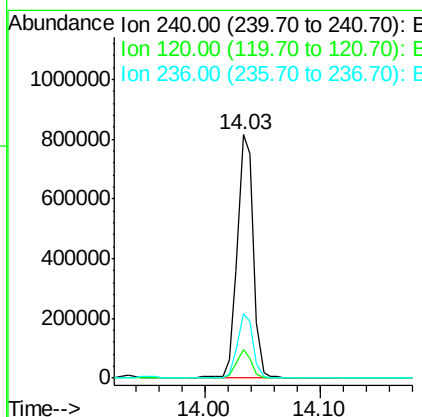
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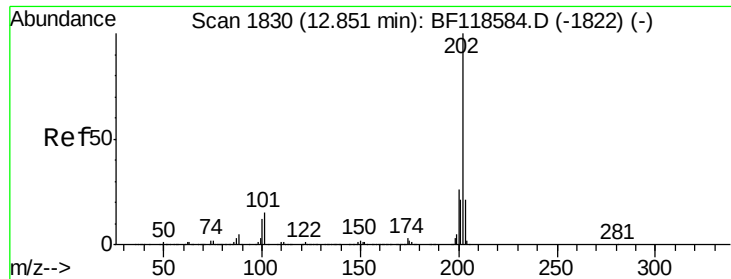
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.9	13.3
236	26.2	21.5	32.3





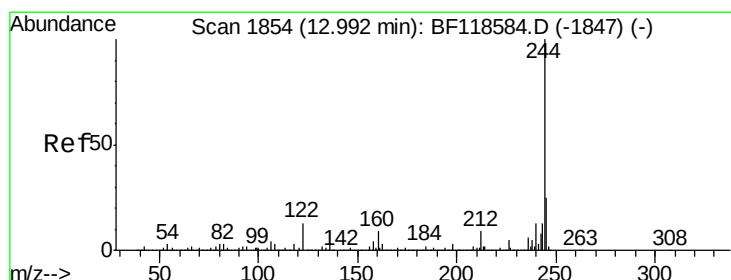
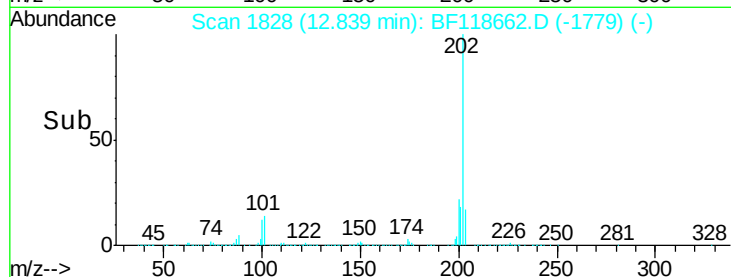
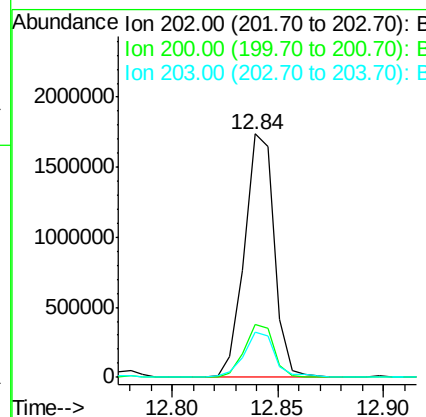
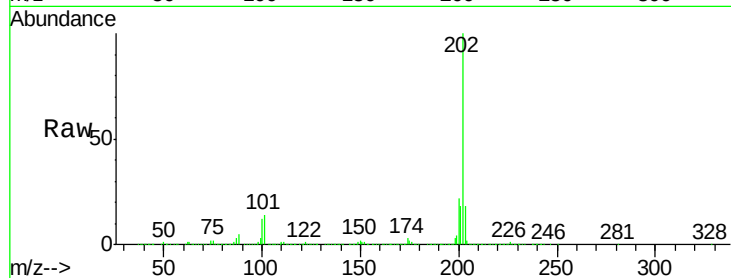
#78
Pvrene
Concen: 31.783 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Instrument :
BNA_F
ClientSampleId :
SB-43-(2-4)DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	20.6	31.0
203	18.3	16.8	25.2

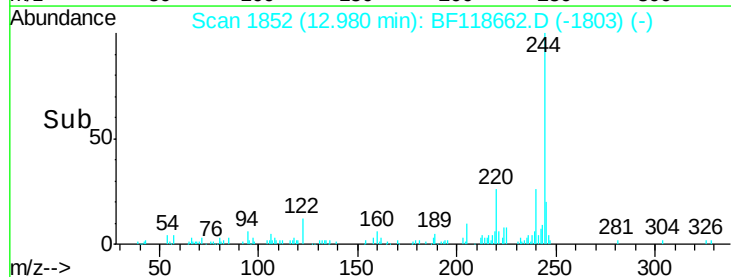
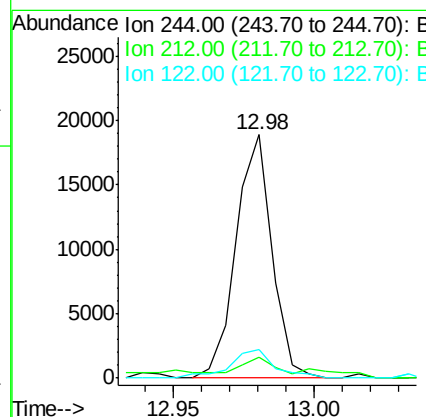
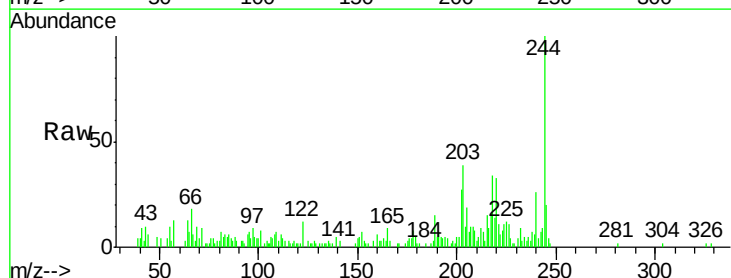
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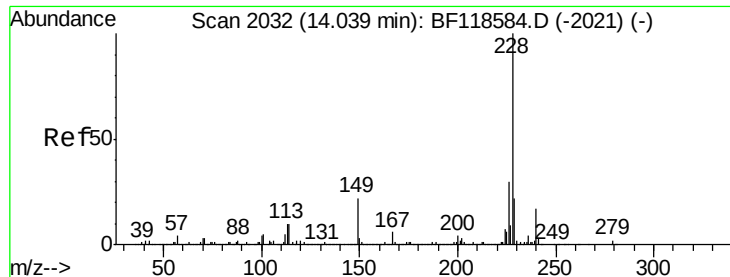
mohammad
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#79
Terphenyl-d14
Concen: 0.467 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.0	10.4
122	11.5	10.7	16.1





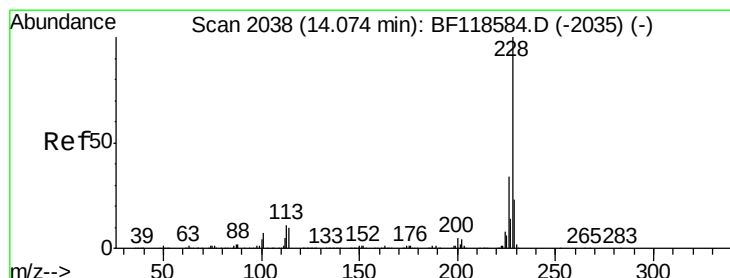
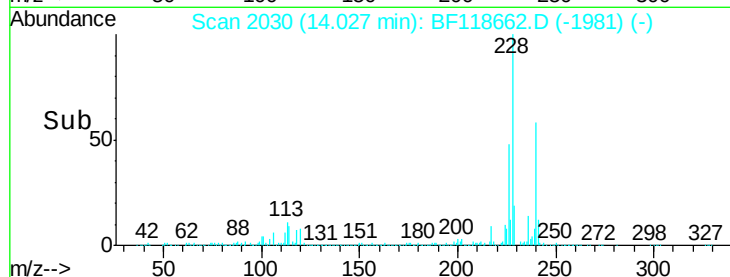
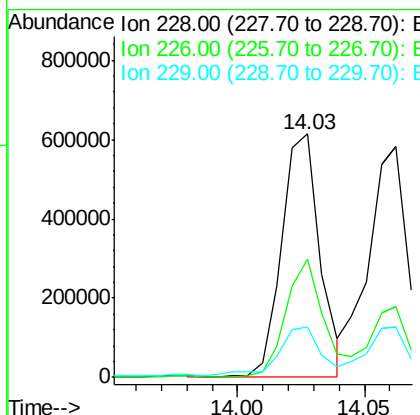
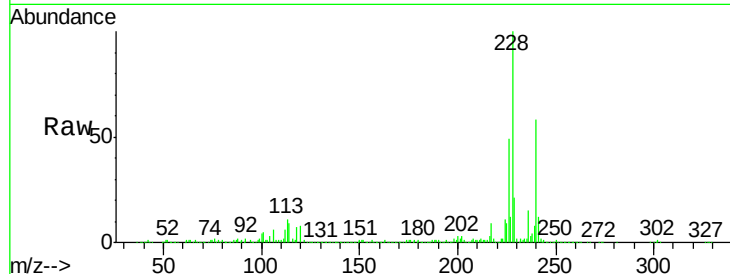
#81
Benzo(a)anthracene
Concen: 13.759 ng m
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Instrument :
BNA_F
ClientSampleId :
SB-43-(2-4)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	48.8	24.1	36.1#
229	20.9	17.6	26.4

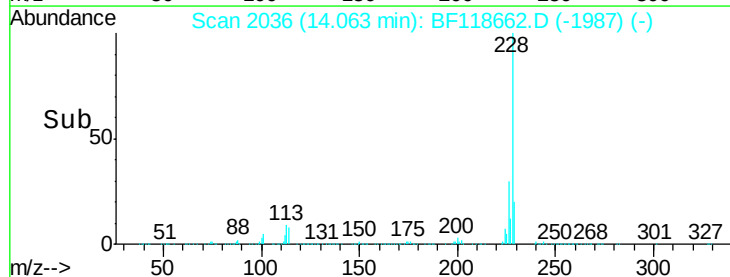
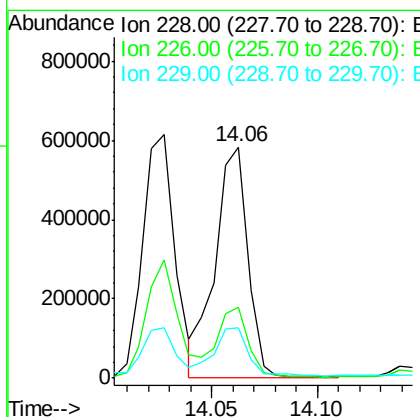
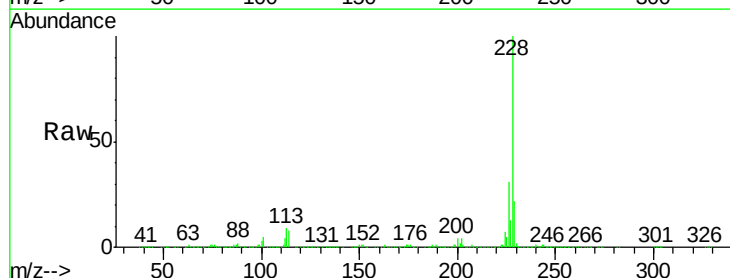
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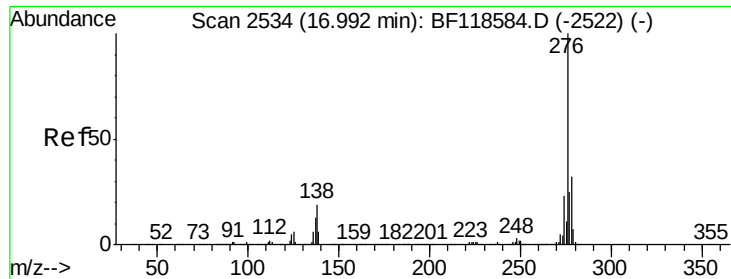
mohammad
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#83
Chrysene
Concen: 13.824 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	27.4	41.0
229	21.7	18.3	27.5





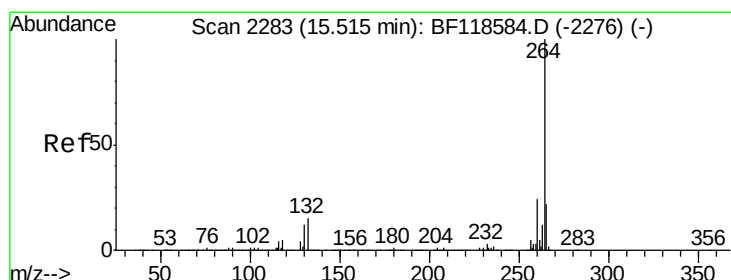
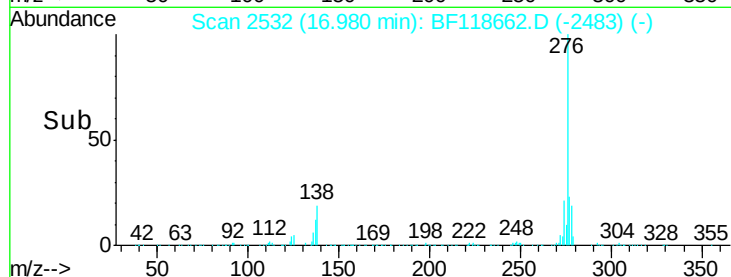
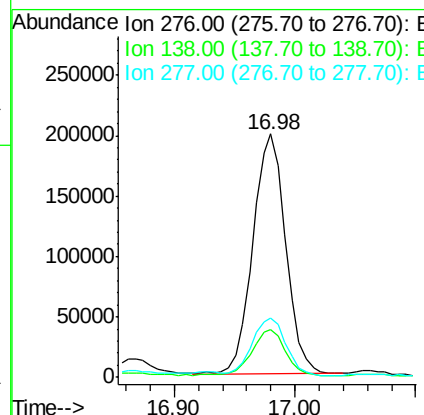
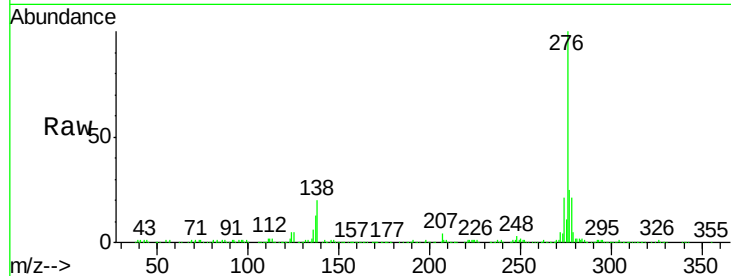
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.600 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Instrument :
BNA_F
ClientSampleID :
SB-43-(2-4)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	17.2	25.8
277	25.3	20.5	30.7

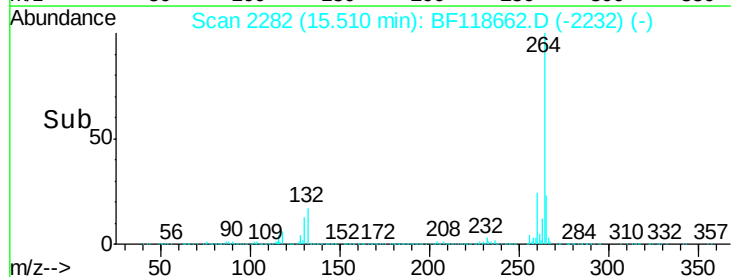
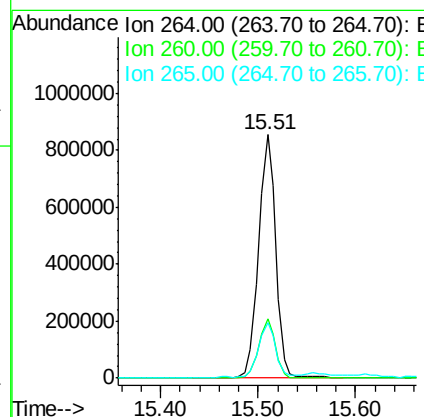
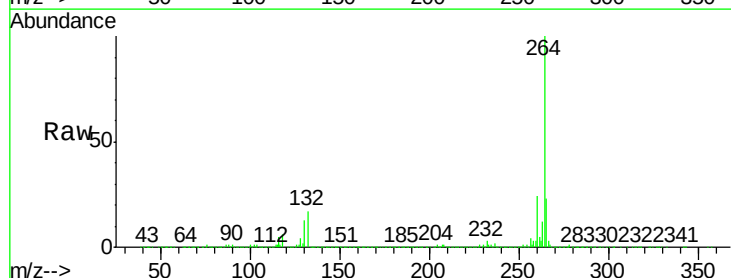
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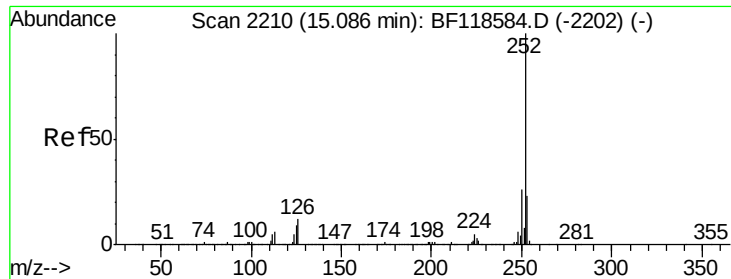
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	22.7	17.7	26.5





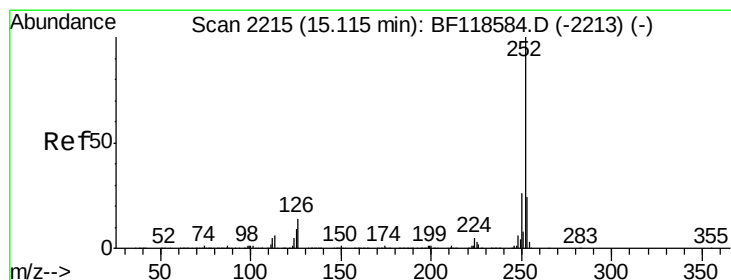
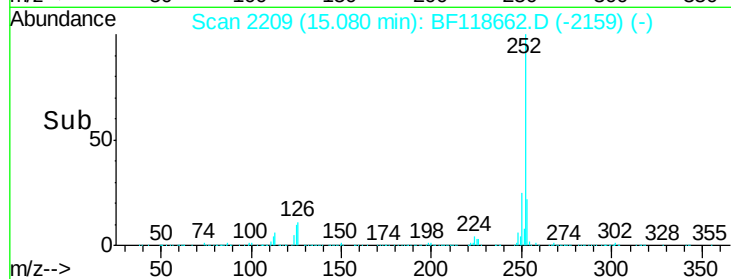
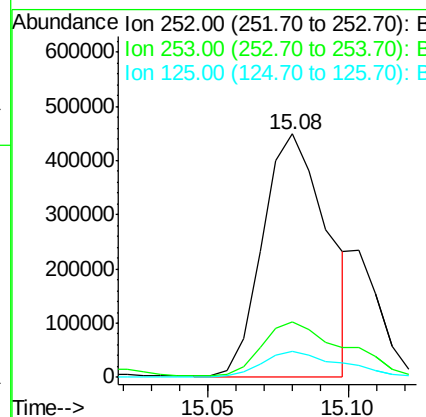
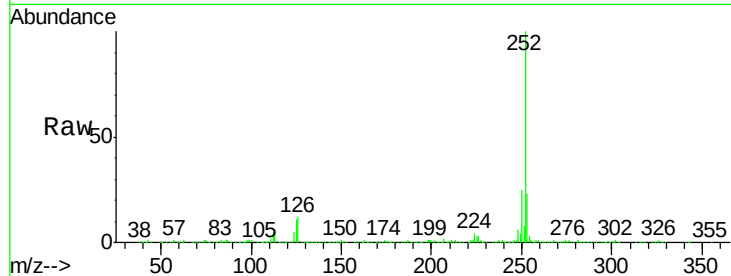
#88
Benzo(b)fluoranthene
Concen: 10.808 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Instrument :
BNA_F
ClientSampleId :
SB-43-(2-4)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.7	28.1
125	10.6	7.3	10.9

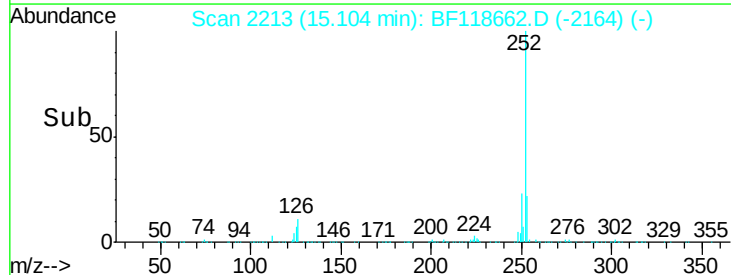
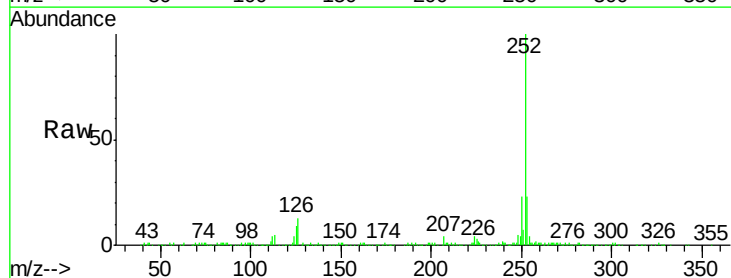
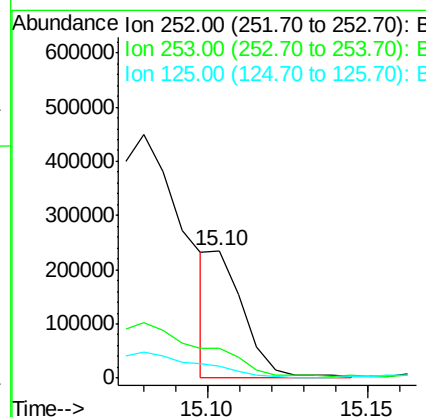
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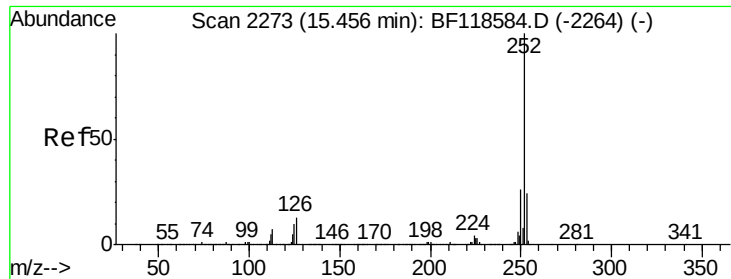
mohammad
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#89
Benzo(k)fluoranthene
Concen: 2.736 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.0	28.4
125	8.9	7.6	11.4





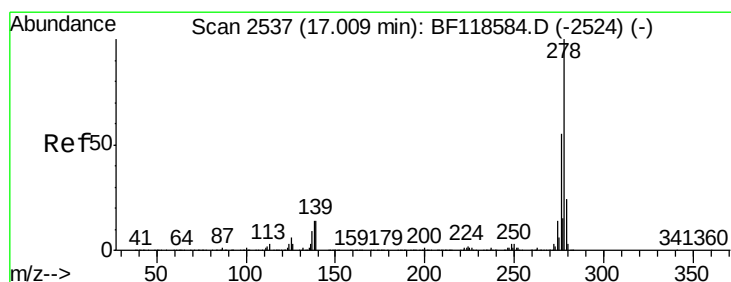
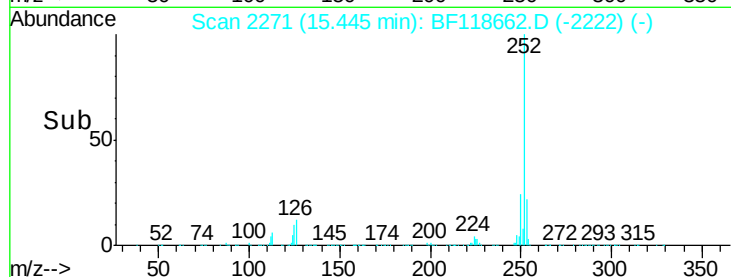
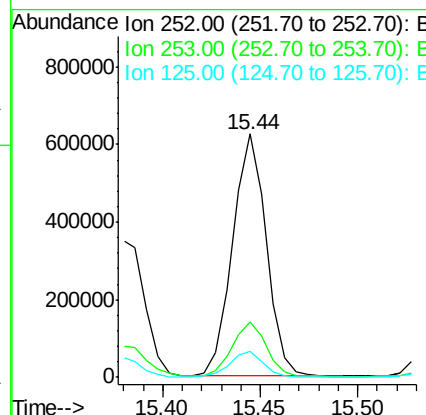
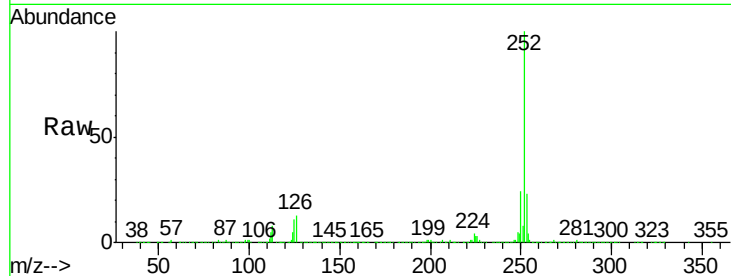
#90
Benzo(a)pyrene
Concen: 12.864 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Instrument :
BNA_F
ClientSampleId :
SB-43-(2-4)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.8	28.2
125	10.8	7.8	11.6

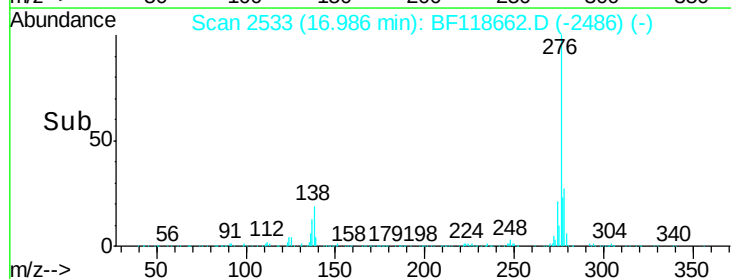
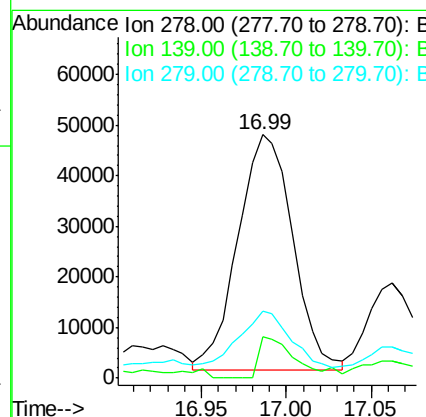
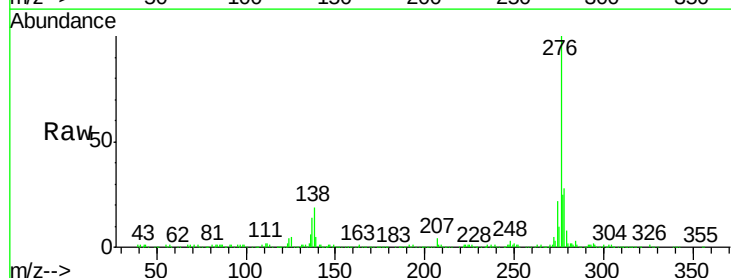
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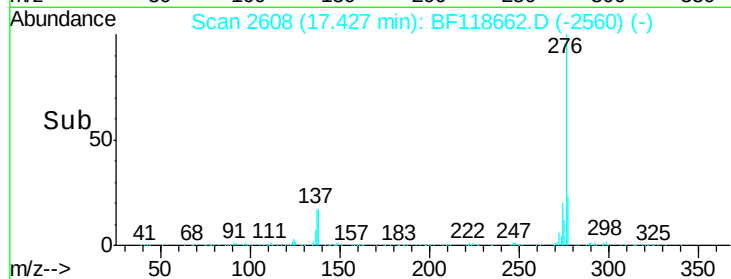
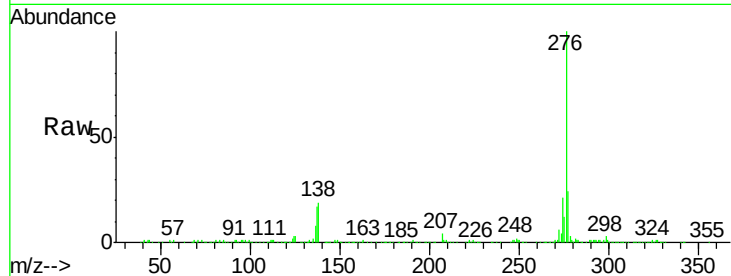
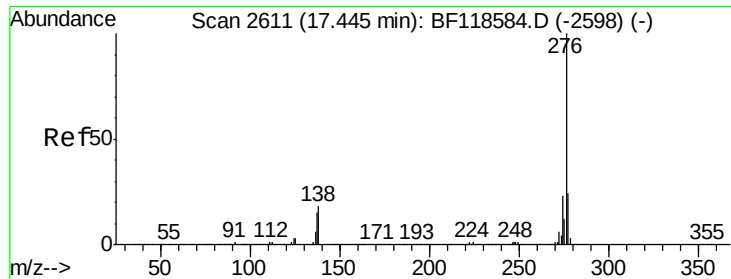
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.050 ng m
RT: 16.99 min Scan# 2533
Delta R.T. -0.02 min
Lab File: BF118662.D
Acq: 22 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.2	11.4	17.0#
279	27.5	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 8.660 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.02 min
 Lab File: BF118662.D
 Acq: 22 Jan 2020 12:36

Instrument :
 BNA_F
 ClientSampleId :
 SB-43-(2-4)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.9	28.3
138	18.8	14.4	21.6

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