

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011620\
 Data File : BE101083.D
 Acq On : 16 Jan 2020 19:43
 Operator : JU
 Sample : L1148-14 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-35-(5-7)

Manual Integrations
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Quant Time: Jan 17 08:21:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 18:36:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	4045	0.40	ng	-0.02
7) Naphthalene-d8	10.48	136	17930	0.40	ng	-0.01
13) Acenaphthene-d10	14.36	164	14638	0.40	ng	0.00
19) Phenanthrene-d10	17.08	188	26260	0.40	ng	-0.01
27) Chrysene-d12	21.27	240	36496	0.40	ng	-0.01
34) Perylene-d12	23.70	264	34277	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.33	112	2877	0.32	ng	0.00
5) Phenol-d6	6.90	99	2551	0.22	ng	-0.02
8) Nitrobenzene-d5	8.85	82	3462m	0.27	ng	-0.03
11) 2-Methylnaphthalene-d10	12.09	152	3948	0.12	ng	-0.02
14) 2,4,6-Tribromophenol	15.84	330	887	0.21	ng	-0.01
15) 2-Fluorobiphenyl	12.97	172	5444	0.10	ng	-0.03
25) Fluoranthene-d10	19.14	212	43935m	0.12	ng	0.00
29) Terphenyl-d14	19.73	244	10662	0.12	ng	-0.01
Target Compounds						
9) Naphthalene	10.54	128	3329171	16.722	ng	Qvalue 100
12) 2-Methylnaphthalene	12.17	142	122764	4.077	ng	# 92
16) Acenaphthylene	14.07	152	495978	8.319	ng	100
17) Acenaphthene	14.41	154	75354	1.766	ng	95
18) Fluorene	15.39	166	257117	4.767	ng	94
22) Pentachlorophenol	16.75	266	3899	1.043	ng	89
23) Phenanthrene	17.13	178	1982484	27.647	ng	98
24) Anthracene	17.21	178	509062	7.523	ng	97
26) Fluoranthene	19.18	202	2745471	30.572	ng	97
28) Pvrene	19.52	202	2861396	21.062	ng	95
30) Benzo(a)anthracene	21.26	228	1652890	15.872	ng	95
31) Chrysene	21.30	228	1587370	10.256	ng	93
32) Bis(2-ethylhexyl)phthalate	21.20	149	64437	0.371	ng	# 94
33) Indeno(1,2,3-cd)pyrene	26.25	276	1161055	9.494	ng	96
35) Benzo(b)fluoranthene	22.96	252	2213634	23.027	ng	98
36) Benzo(k)fluoranthene	23.00	252	719776m	5.167	ng	
37) Benzo(a)pvrene	23.59	252	1499535	16.125	ng	98
38) Dibenzo(a,h)anthracene	26.26	278	285351	3.337	ng	99
39) Benzo(g,h,i)perylene	27.03	276	1229472	11.689	ng	99

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

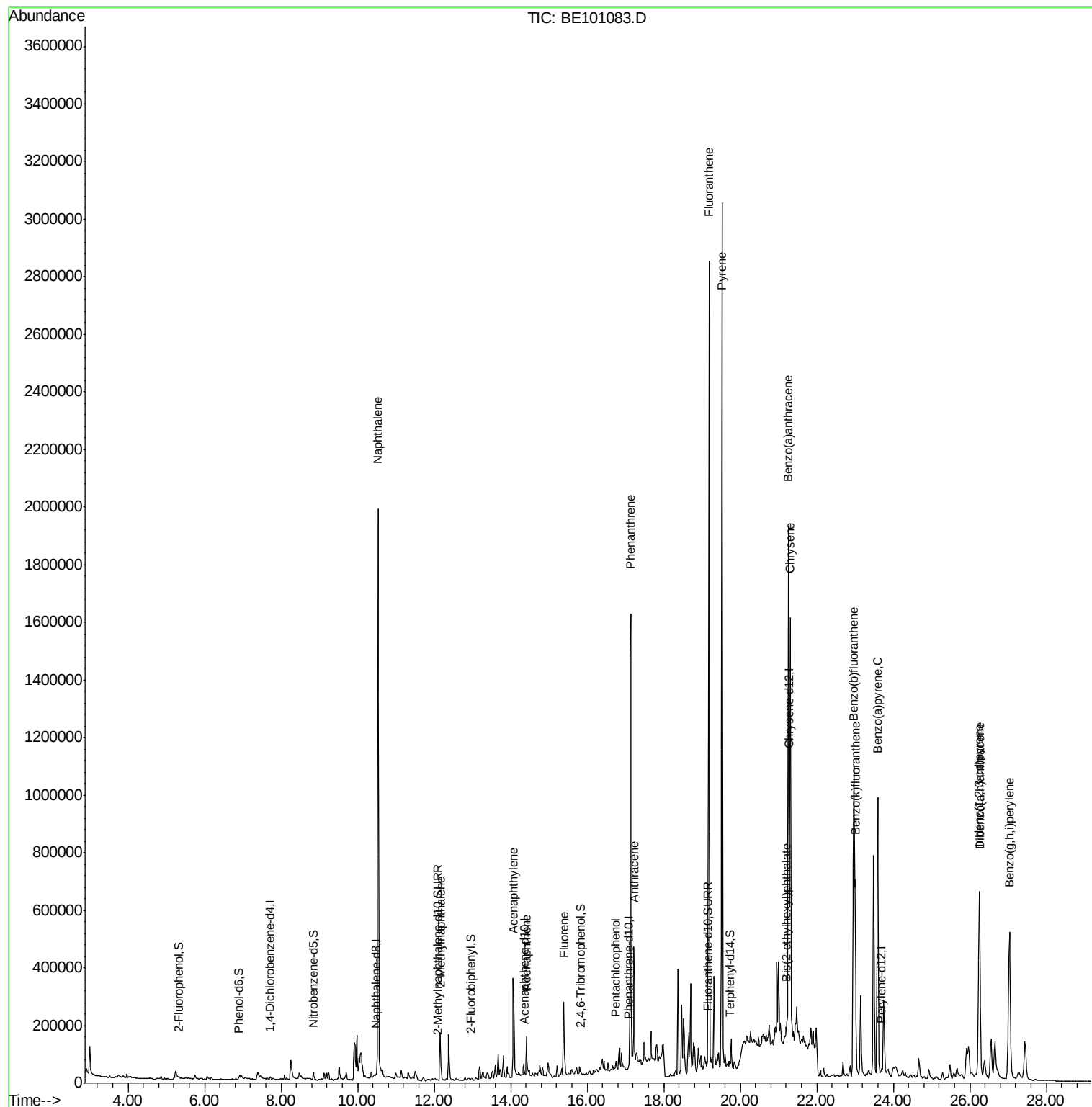
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011620\
Data File : BE101083.D
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Operator : JU
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Misc :
ALS Vial : 15 Sample Multiplier: 1

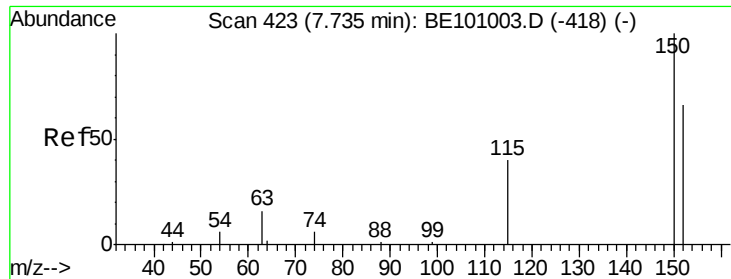
Instrument :
BNA_E
ClientSampleId :
SB-35-(5-7)

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Quant Time: Jan 17 08:21:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
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#1

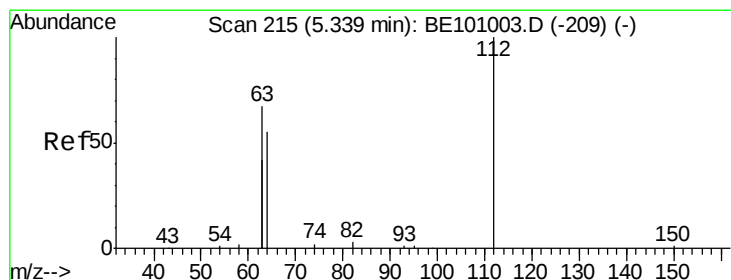
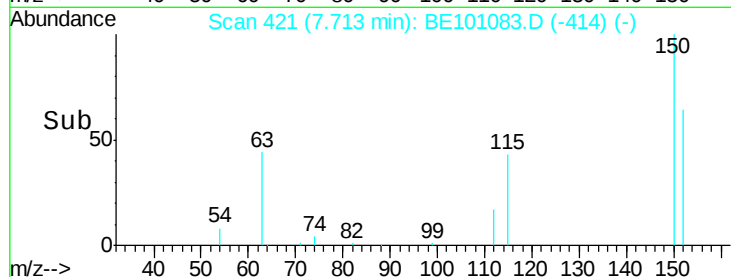
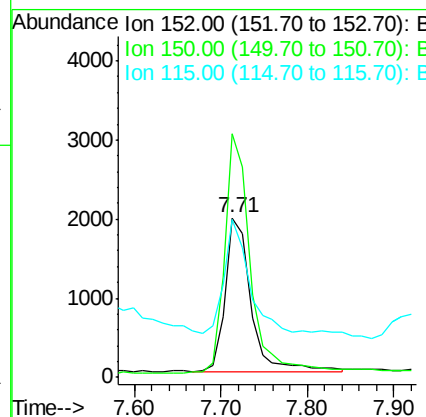
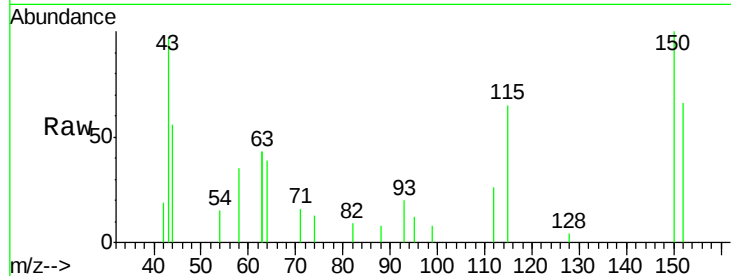
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.71 min Scan# 421
Delta R.T. -0.02 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Instrument :
BNA_E
ClientSampleId :
SB-35-(5-7)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	120.3	180.5
115	98.6	51.7	77.5#

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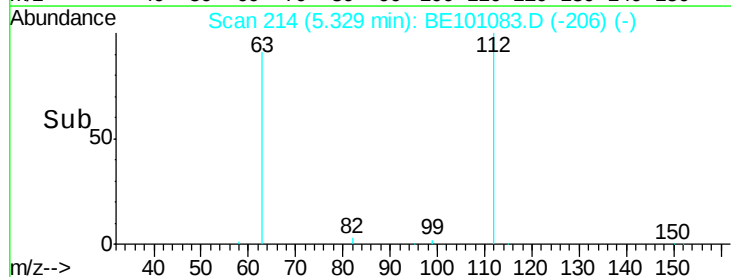
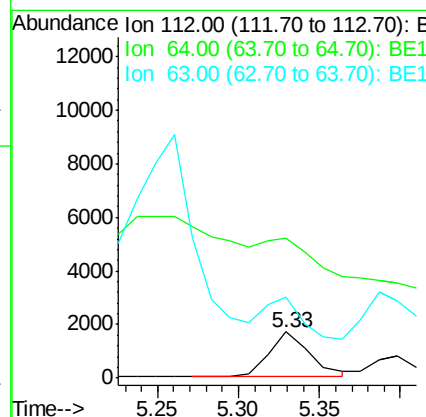
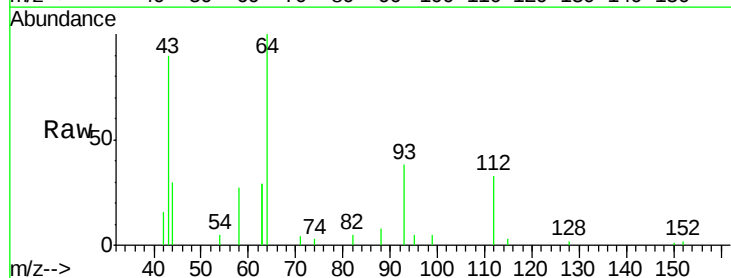
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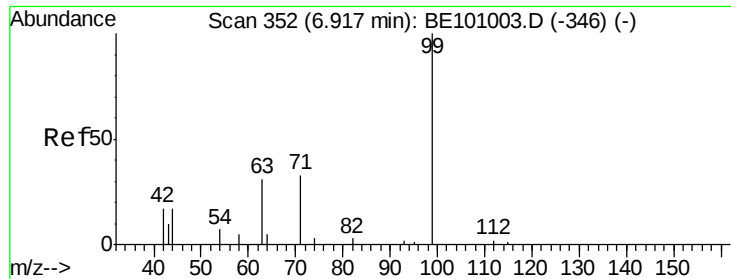


#4

2-Fluorophenol
Concen: 0.316 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	53.6	80.4#
63	83.5	114.6	172.0#





#5

Phenol-d6

Concen: 0.221 ng

RT: 6.90 min Scan# 350

Delta R.T. -0.02 min

Lab File: BE101083.D

Acq: 16 Jan 2020 19:43

Instrument :

BNA_E

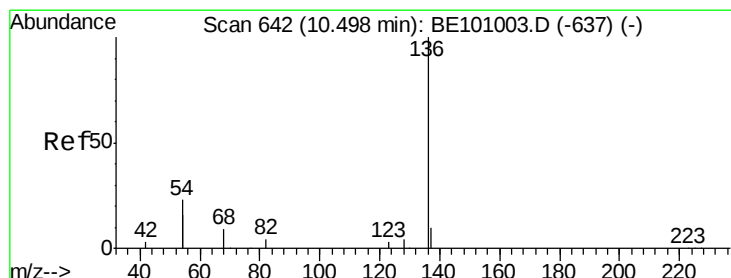
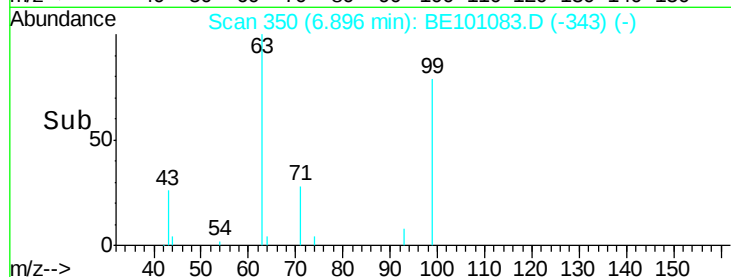
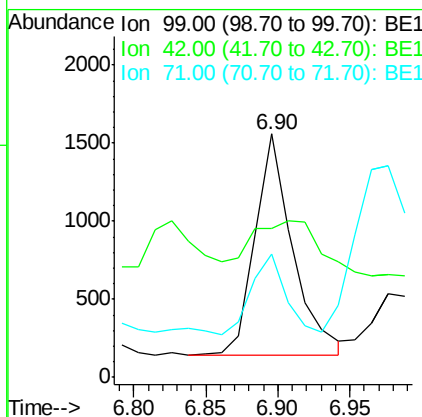
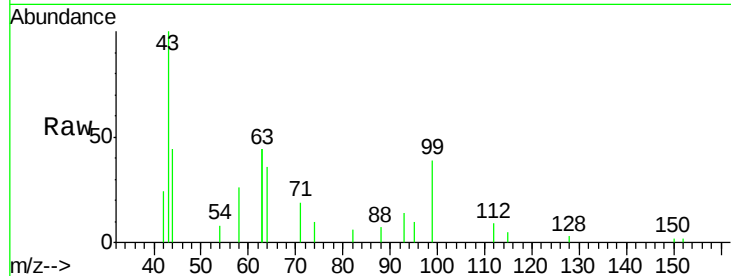
ClientSampleId :

SB-35-(5-7)

Tot Ion:	99	Resp:	2551
Ion	Ratio	Lower	Upper
99	100		
42	58.5	18.3	27.5#
71	33.9	28.0	42.0

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#7

Naphthalene-d8

Concen: 0.400 ng

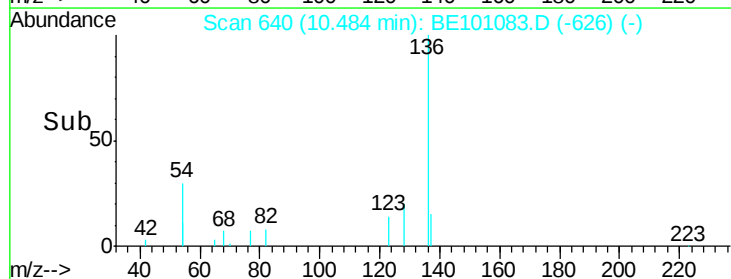
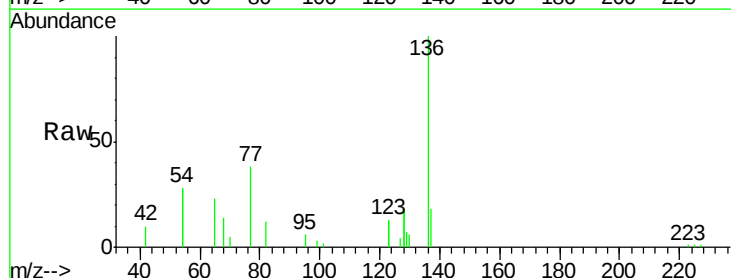
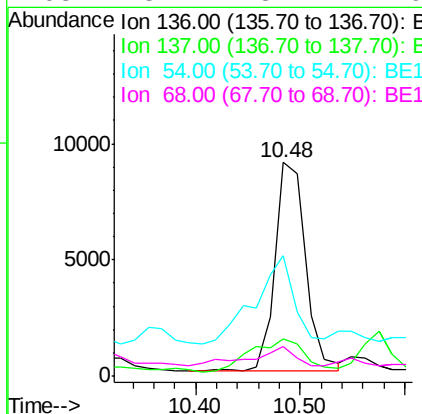
RT: 10.48 min Scan# 640

Delta R.T. -0.01 min

Lab File: BE101083.D

Acq: 16 Jan 2020 19:43

Tgt Ion:	136	Resp:	17930
Ion	Ratio	Lower	Upper
136	100		
137	17.6	9.3	13.9#
54	56.5	36.8	55.2#
68	13.7	8.4	12.6#





#8

Nitrobenzene-d5

Concen: 0.270 ng/mL

RT: 8.85 min Scan# 514

Delta R.T. -0.03 min

Lab File: BE101083.D

Acq: 16 Jan 2020 19:43

Instrument :

BNA_E

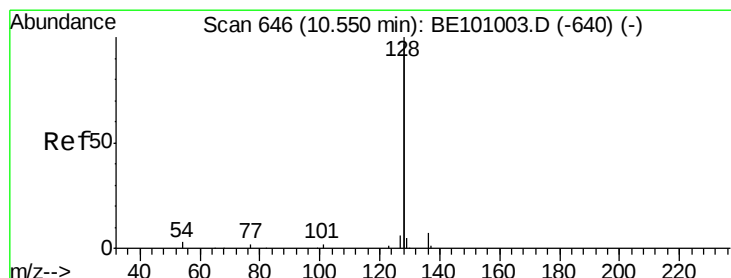
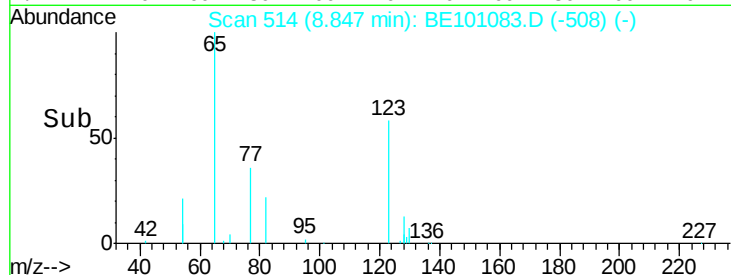
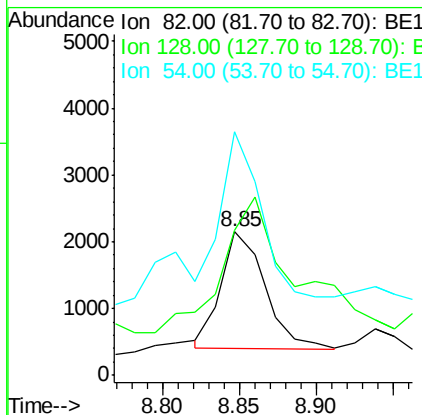
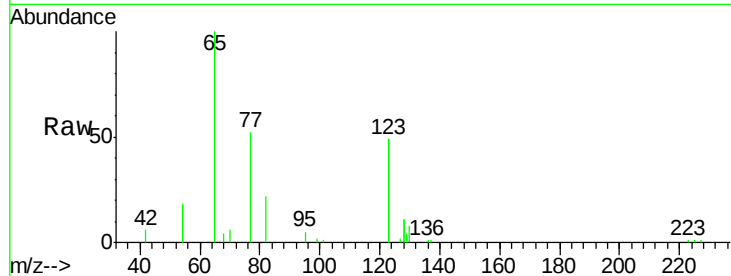
ClientSampleID :

SB-35-(5-7)

Tot Ion:	82	Resp:	3462
Ion Ratio	Lower	Upper	
82	100		
128	50.4	109.8	164.6#
54	84.7	174.5	261.7#

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#9

Naphthalene

Concen: 16.722 ng/mL

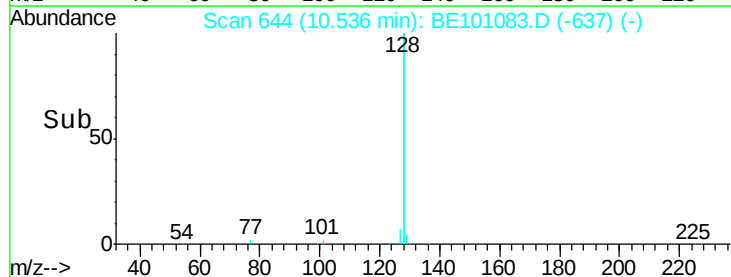
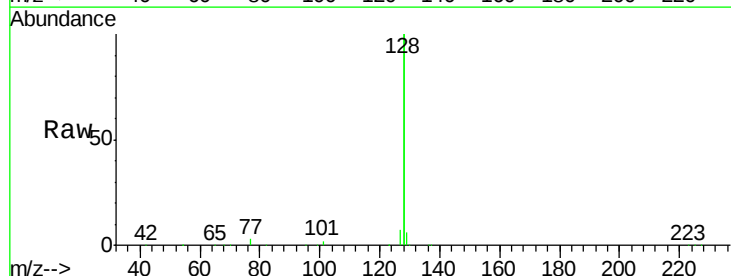
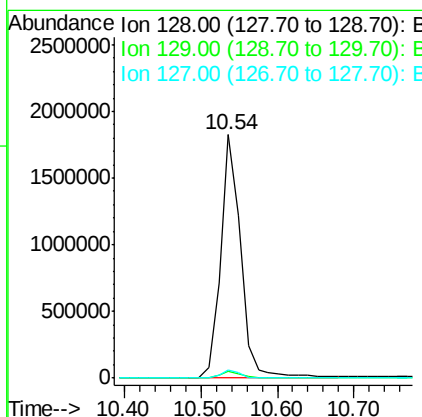
RT: 10.54 min Scan# 644

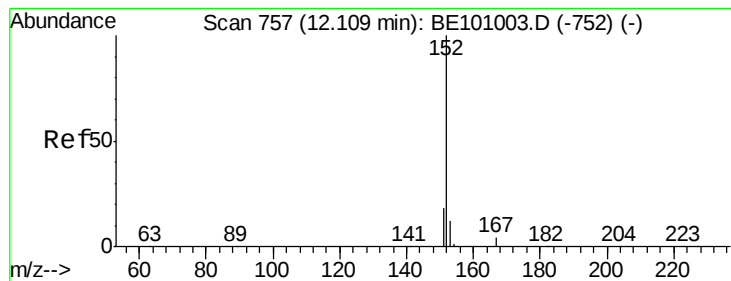
Delta R.T. -0.01 min

Lab File: BE101083.D

Acq: 16 Jan 2020 19:43

Tgt Ion:	128	Resp:	3329171
Ion Ratio	Lower	Upper	
128	100		
129	2.8	2.3	3.5
127	3.4	2.7	4.1





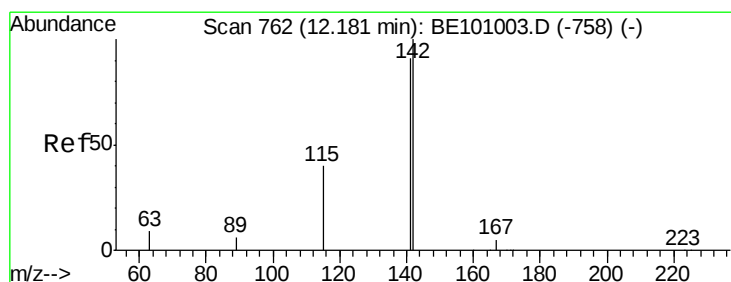
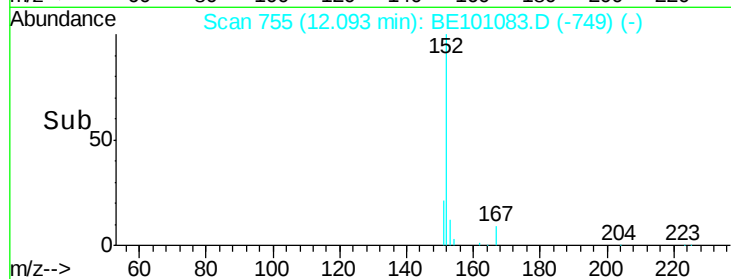
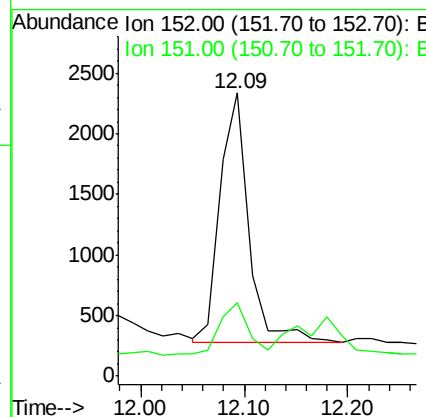
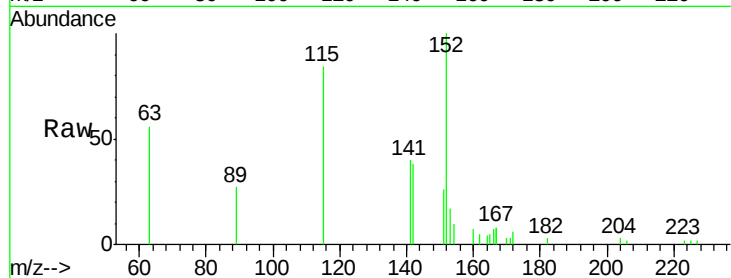
#11
2-Methylnaphthalene-d10
Concen: 0.115 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.02 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Instrument :
BNA_E
ClientSampleId :
SB-35-(5-7)

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.4	15.0	22.6

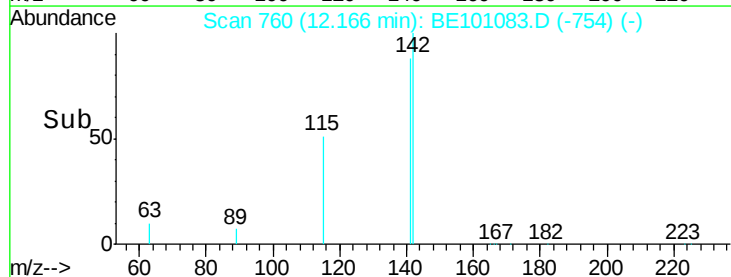
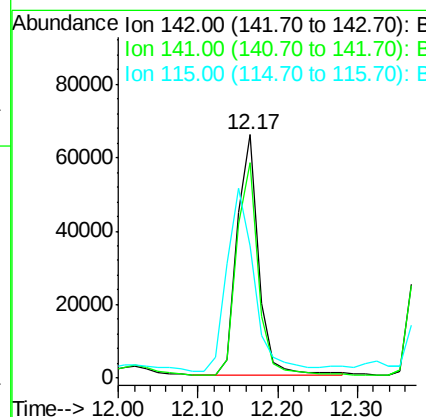
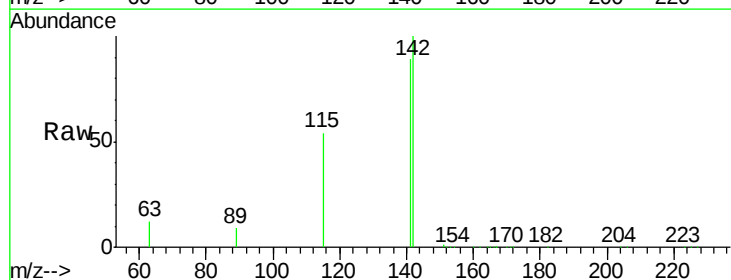
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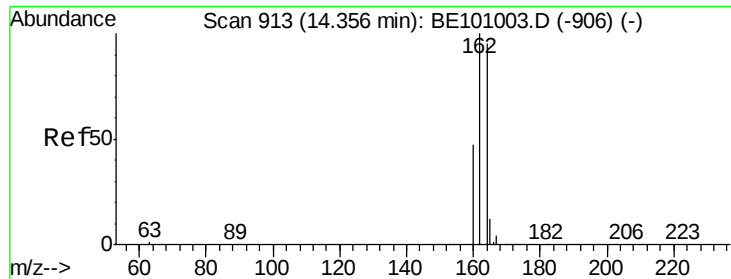
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#12
2-Methylnaphthalene
Concen: 4.077 ng
RT: 12.17 min Scan# 760
Delta R.T. -0.02 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.6	72.5	108.7
115	54.2	33.0	49.6#





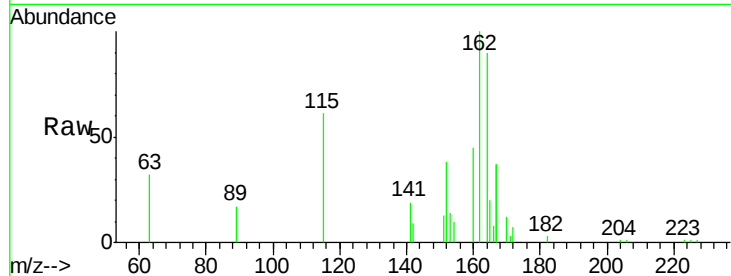
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Instrument :
BNA_E
ClientSampleId :
SB-35-(5-7)

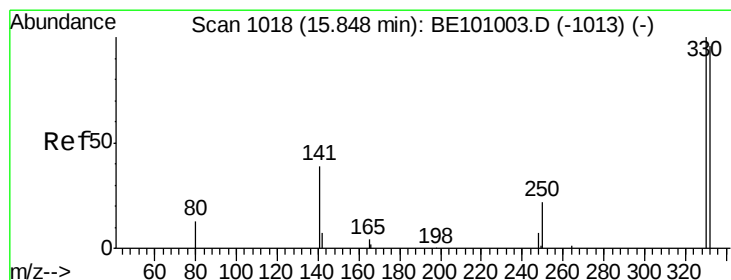
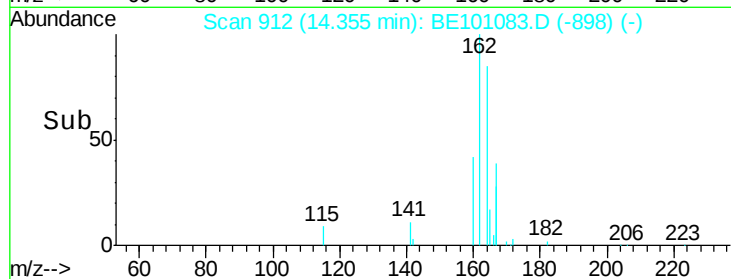
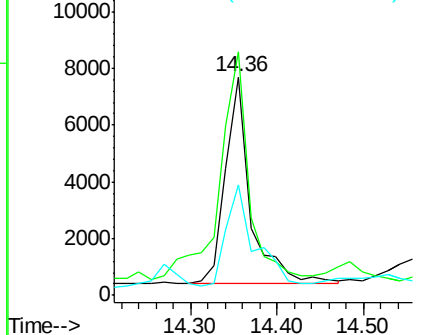
Tot Ion	Ratio	Lower	Upper
164	100		
162	111.5	84.1	126.1
160	50.4	40.4	60.6

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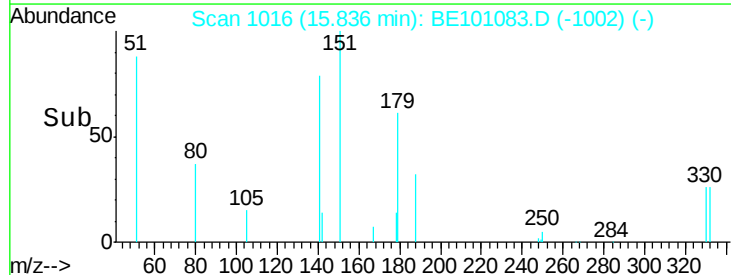
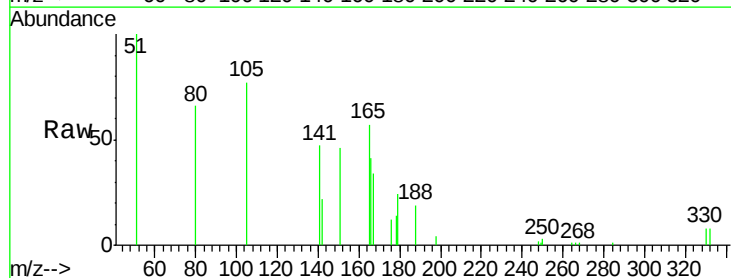
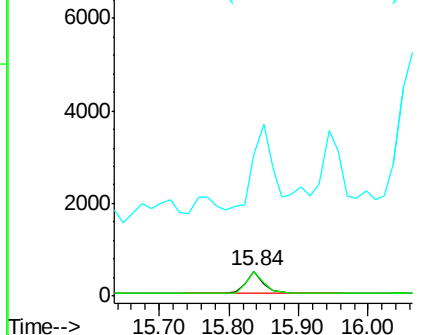
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

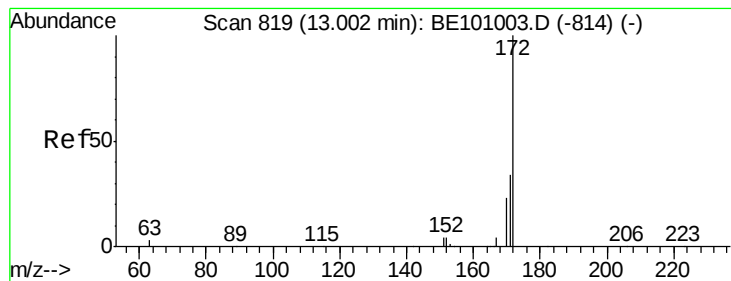


#14
2,4,6-Tribromophenol
Concen: 0.215 ng
RT: 15.84 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.8	78.4	117.6
141	428.5	37.0	55.4#

Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





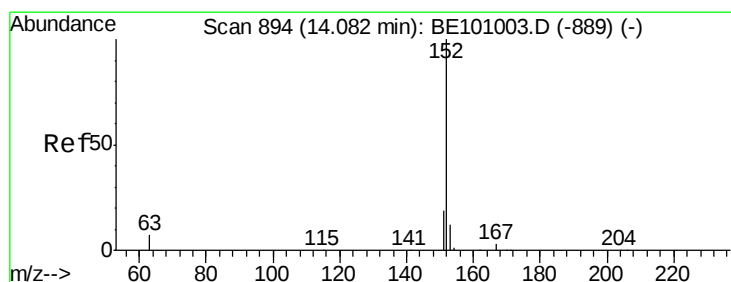
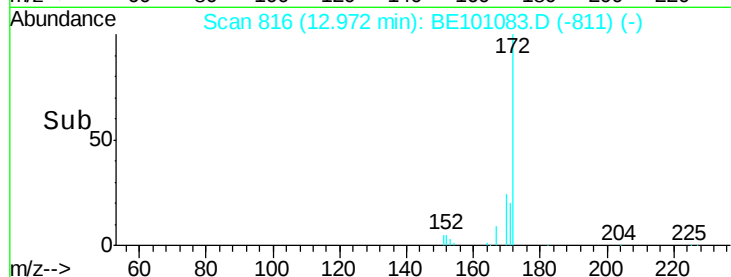
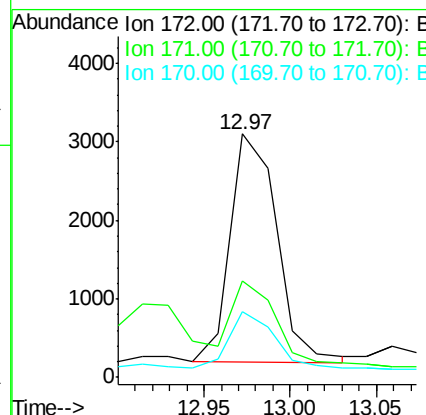
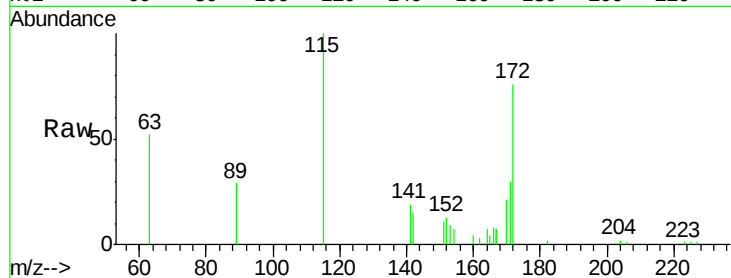
#15
2-Fluorobiphenyl
Concen: 0.098 ng
RT: 12.97 min Scan# 816
Delta R.T. -0.03 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Instrument :
BNA_E
ClientSampleId :
SB-35-(5-7)

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.7	28.2	42.2
170	27.0	18.9	28.3

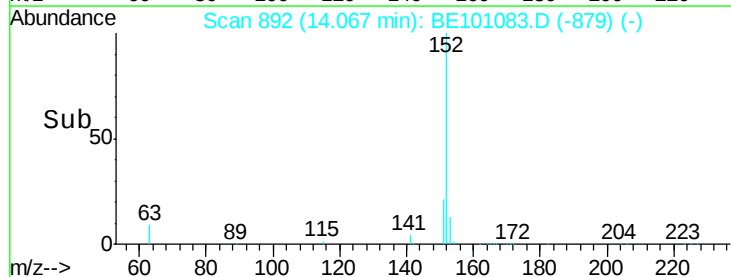
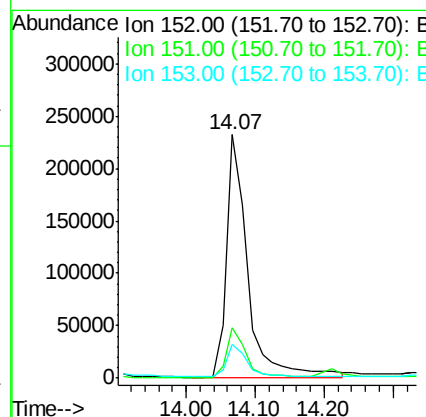
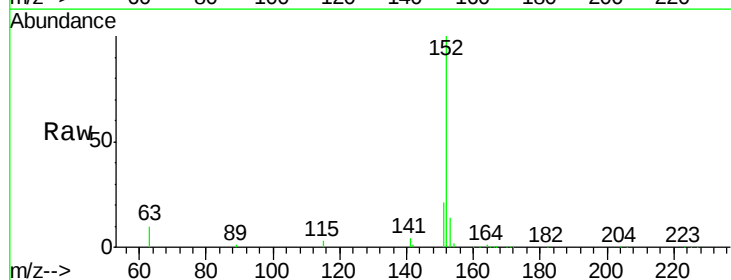
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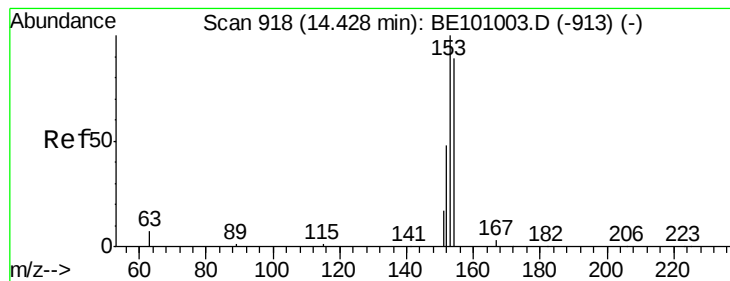
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#16
Acenaphthylene
Concen: 8.319 ng
RT: 14.07 min Scan# 892
Delta R.T. -0.02 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.5	23.3
153	13.1	10.4	15.6





#17

Acenaphthene

Concen: 1.766 ng

RT: 14.41 min Scan# 916

Delta R.T. -0.02 min

Lab File: BE101083.D

Acq: 16 Jan 2020 19:43

Instrument :

BNA_E

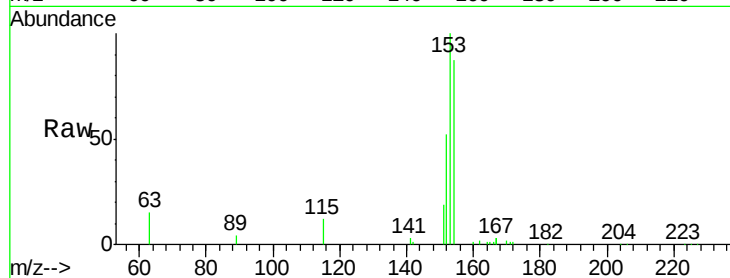
ClientSampleId :

SB-35-(5-7)

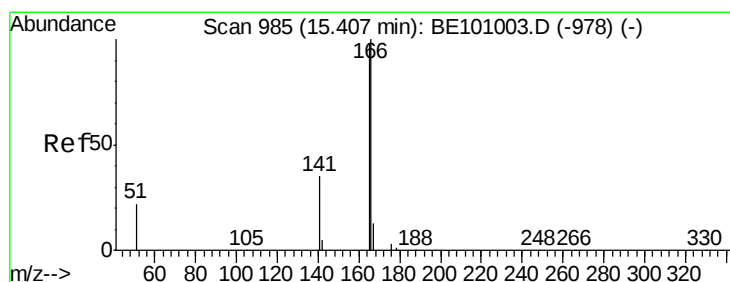
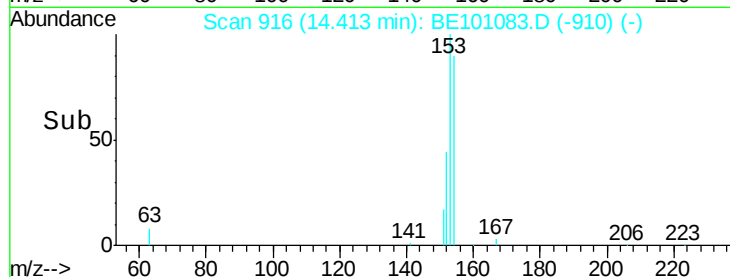
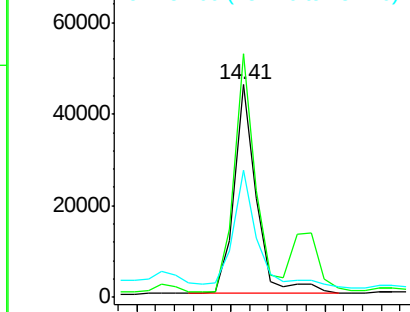
Tot Ion:	154	Resp:	75354
Ion	Ratio	Lower	Upper
154	100		
153	108.9	93.6	140.4
152	58.7	46.3	69.5

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



#18

Fluorene

Concen: 4.767 ng

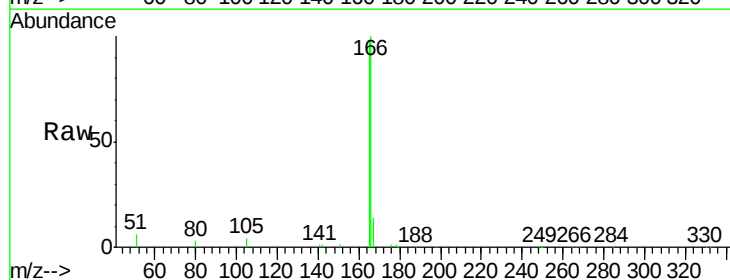
RT: 15.39 min Scan# 983

Delta R.T. -0.01 min

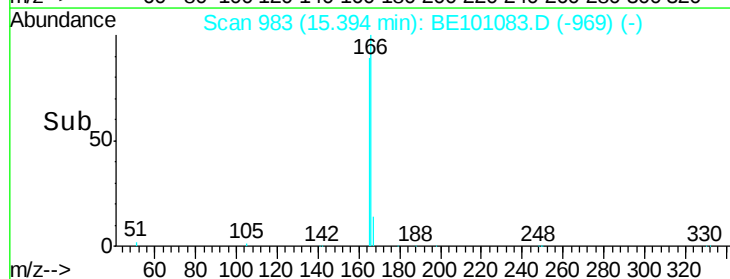
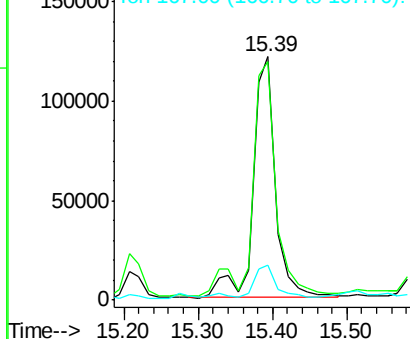
Lab File: BE101083.D

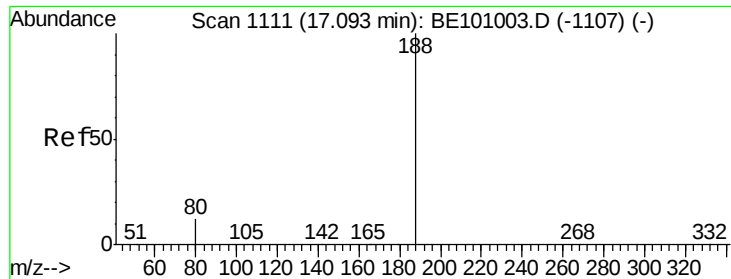
Acq: 16 Jan 2020 19:43

Tgt Ion:	166	Resp:	257117
Ion	Ratio	Lower	Upper
166	100		
165	105.8	79.8	119.8
167	13.0	11.0	16.6



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





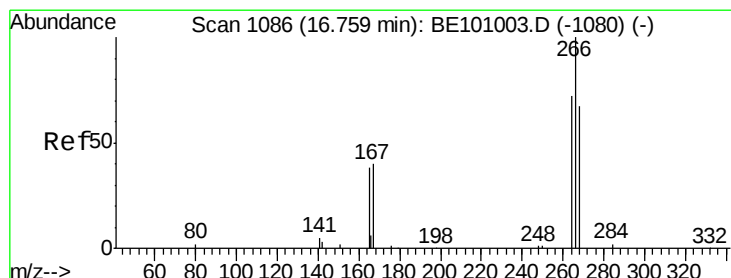
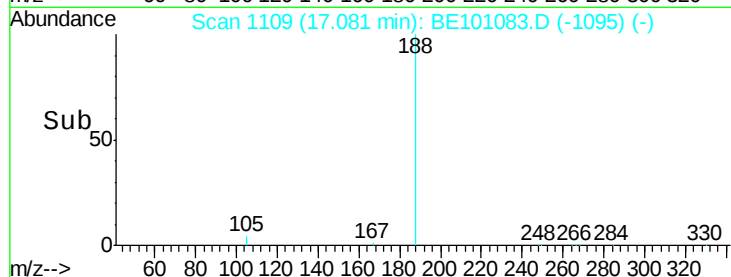
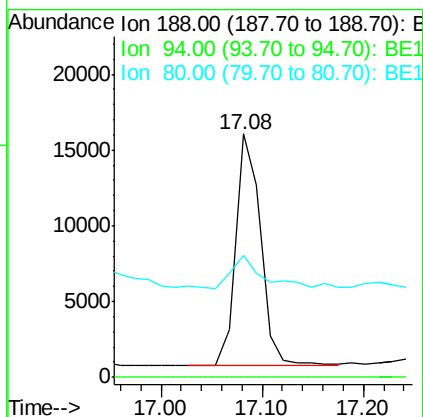
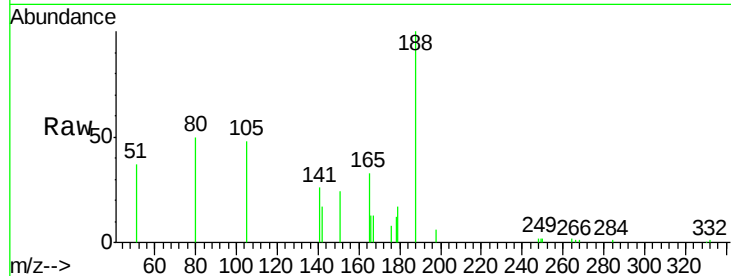
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Instrument :
BNA_E
ClientSampleId :
SB-35-(5-7)

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	50.3	10.8	16.2

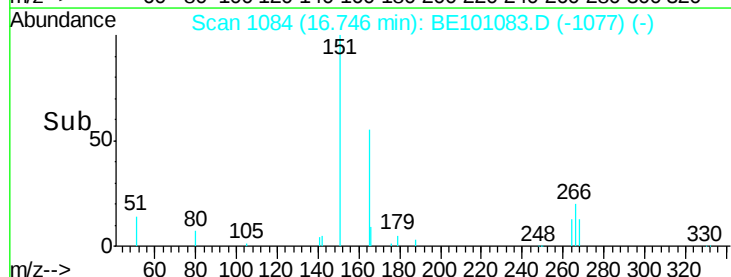
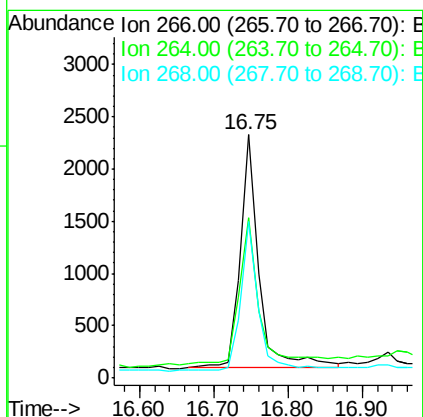
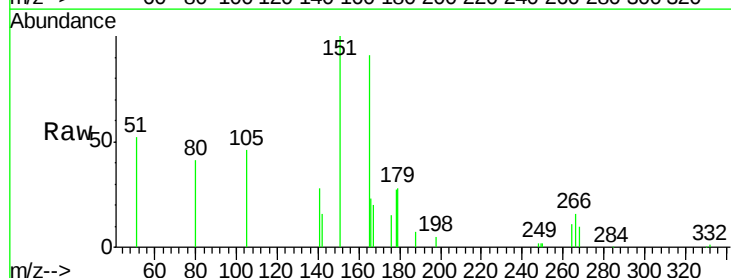
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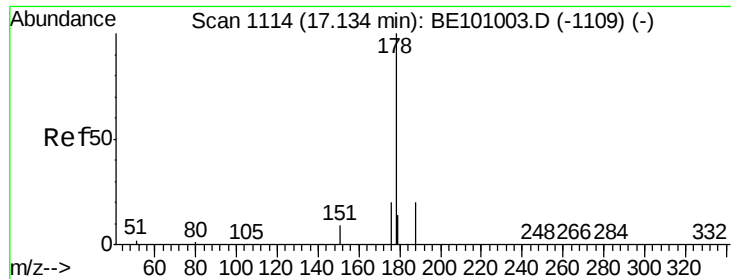
mohammad
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#22
Pentachlorophenol
Concen: 1.043 ng
RT: 16.75 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Tgt Ion	Ratio	Lower	Upper
266	100		
264	66.0	61.0	91.4
268	64.2	58.5	87.7





#23

Phenanthrene

Concen: 27.647 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101083.D

Acq: 16 Jan 2020 19:43

Instrument :

BNA_E

ClientSampled :

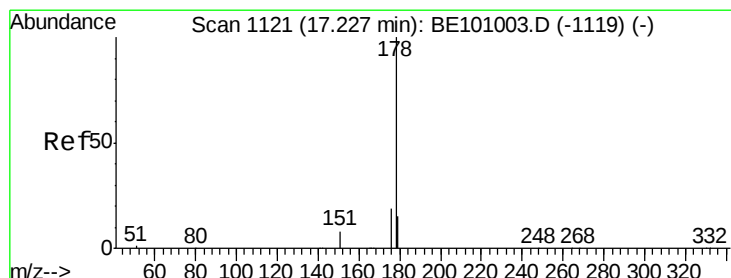
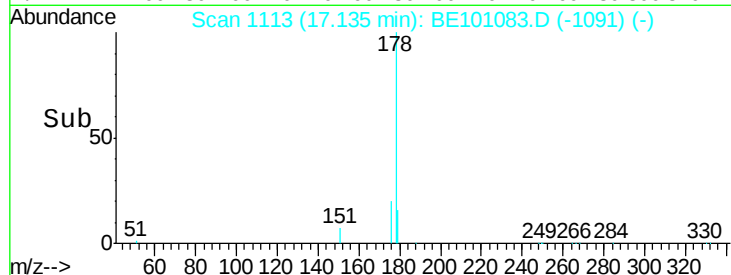
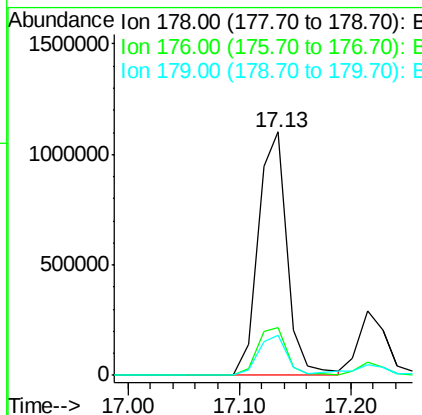
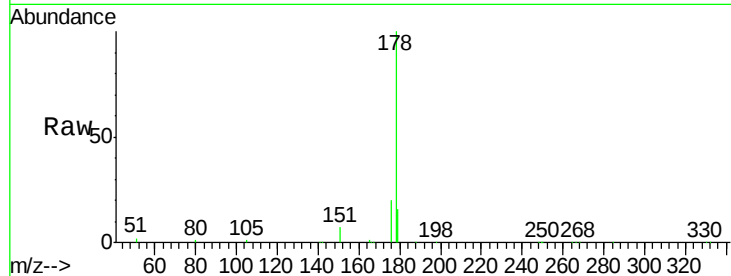
SB-35-(5-7)

Tot Ion:178 Resp: 1982484

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.7	23.5
179	16.1	12.0	18.0

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#24

Anthracene

Concen: 7.523 ng

RT: 17.21 min Scan# 1119

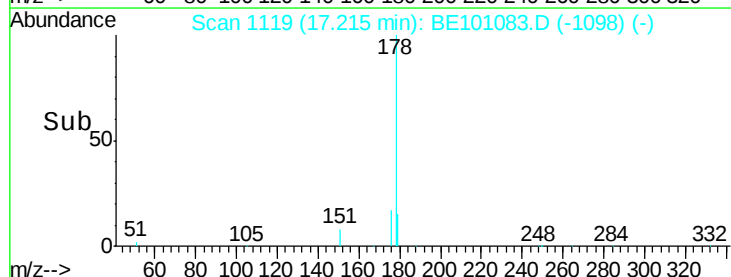
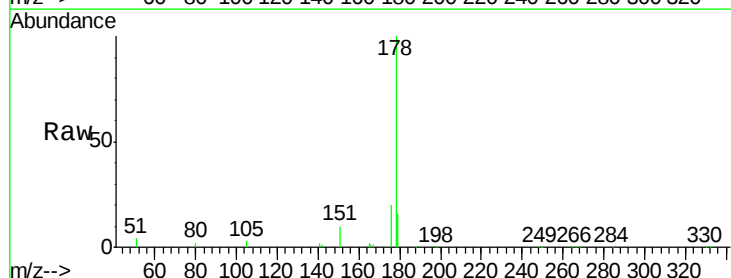
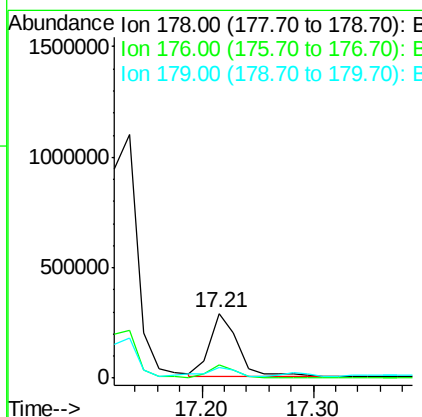
Delta R.T. -0.01 min

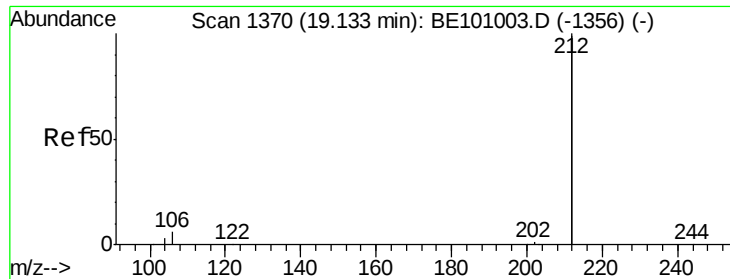
Lab File: BE101083.D

Acq: 16 Jan 2020 19:43

Tgt Ion:178 Resp: 509062

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	17.6	12.4	18.6





#25

Fluoranthene-d10

Concen: 0.120 ng/mL

RT: 19.14 min Scan# 1370

Delta R.T. 0.01 min

Lab File: BE101083.D

Acq: 16 Jan 2020 19:43

Instrument :

BNA_E

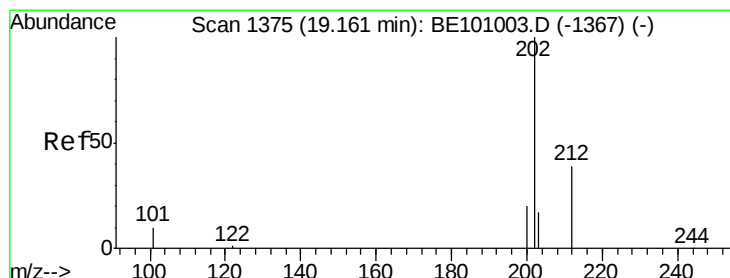
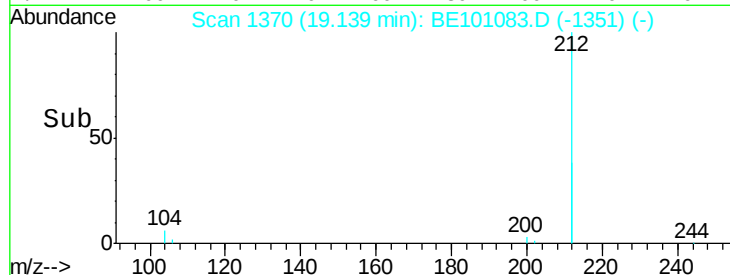
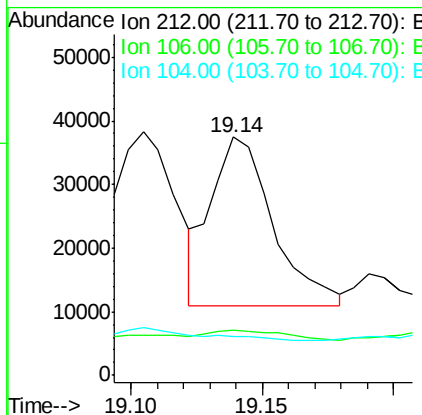
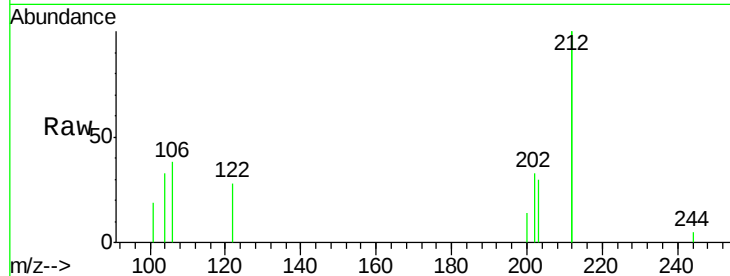
ClientSampled :

SB-35-(5-7)

Tot Ion:	212	Resp:	43935
Ion Ratio	Lower	Upper	
212	100		
106	2.1	2.6	3.8#
104	9.1	1.4	2.0#

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#26

Fluoranthene

Concen: 30.572 ng/mL

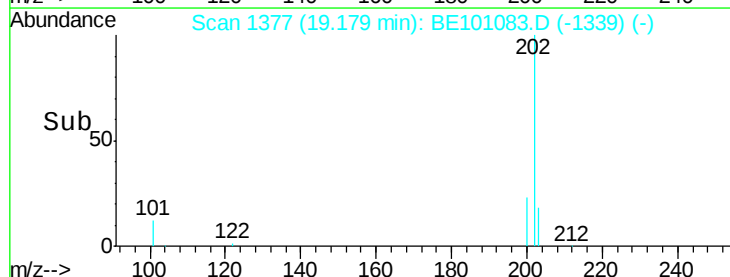
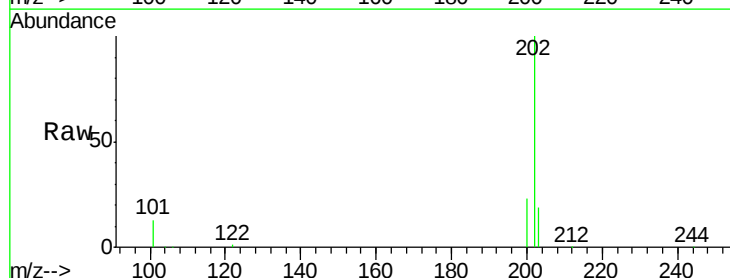
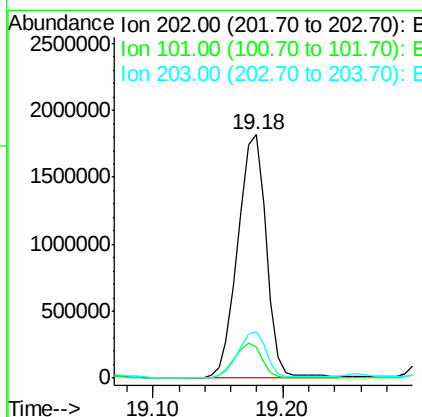
RT: 19.18 min Scan# 1377

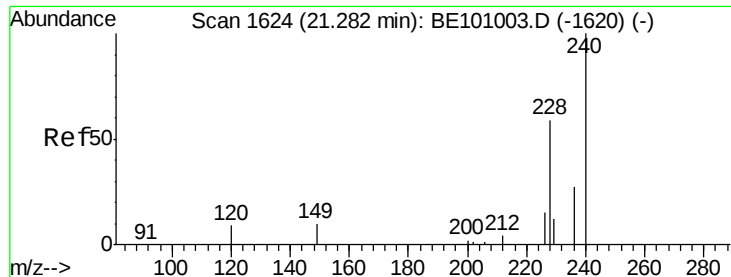
Delta R.T. 0.02 min

Lab File: BE101083.D

Acq: 16 Jan 2020 19:43

Tgt Ion:	202	Resp:	2745471
Ion Ratio	Lower	Upper	
202	100		
101	13.6	9.6	14.4
203	18.3	13.8	20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BE101083.D

Acq: 16 Jan 2020 19:43

Instrument :

BNA_E

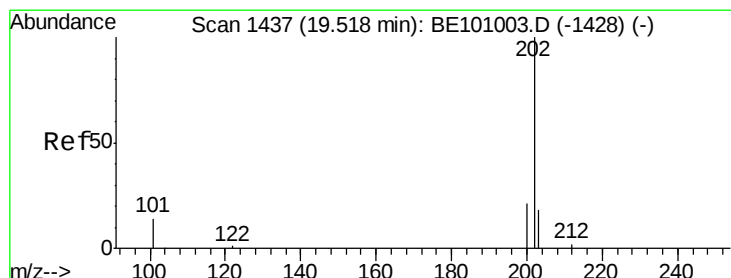
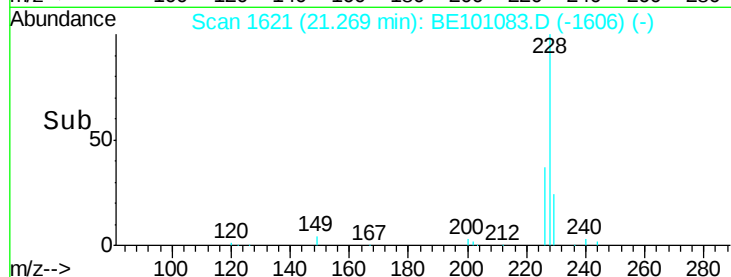
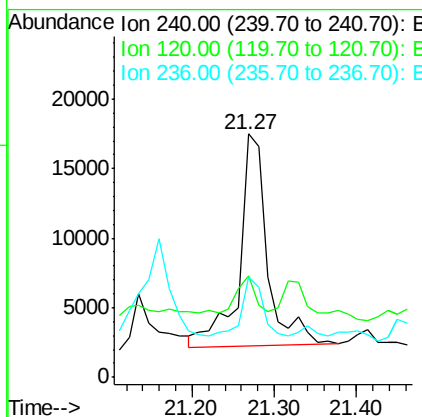
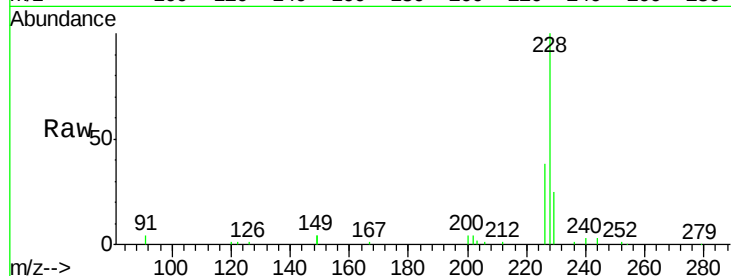
ClientSampled :

SB-35-(5-7)

Tot Ion	Ratio	Lower	Upper
240	100		
120	41.5	8.6	13.0#
236	41.3	22.2	33.4#

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#28

Pyrene

Concen: 21.062 ng

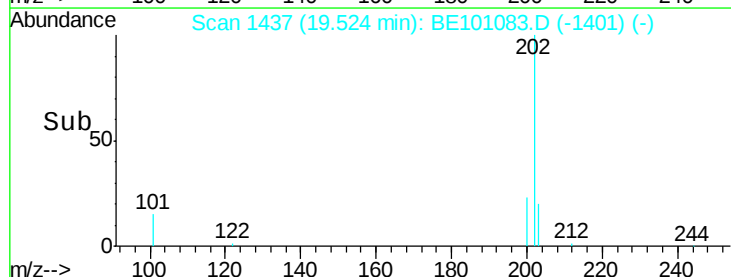
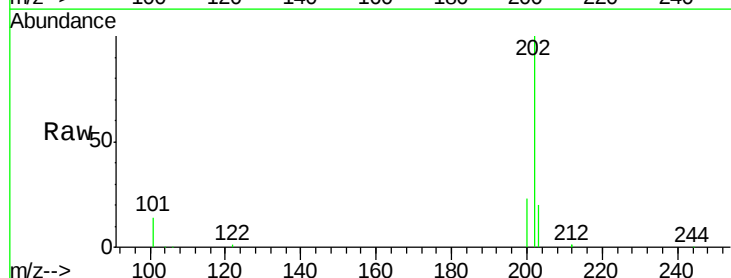
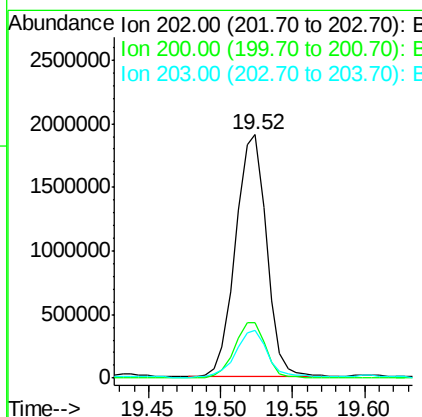
RT: 19.52 min Scan# 1437

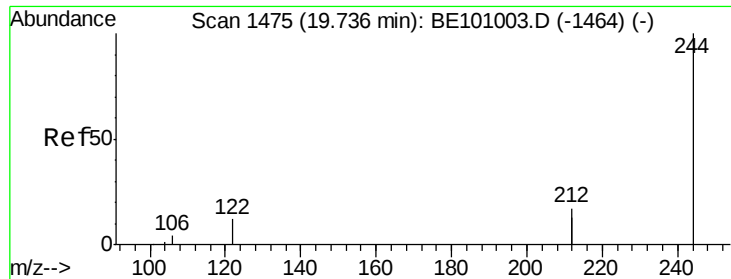
Delta R.T. 0.01 min

Lab File: BE101083.D

Acq: 16 Jan 2020 19:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.7	17.0	25.4
203	20.1	13.8	20.6





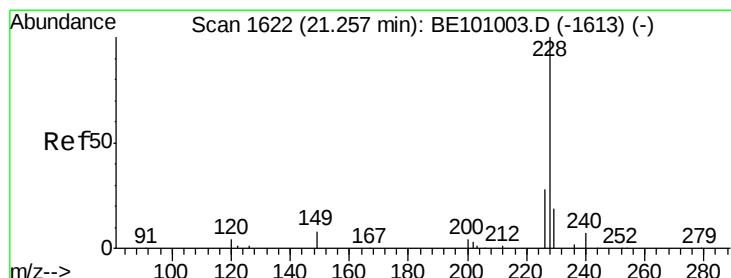
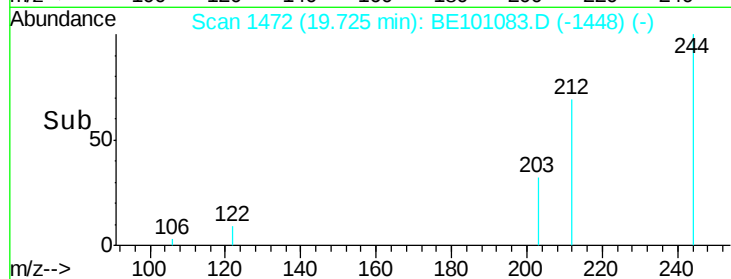
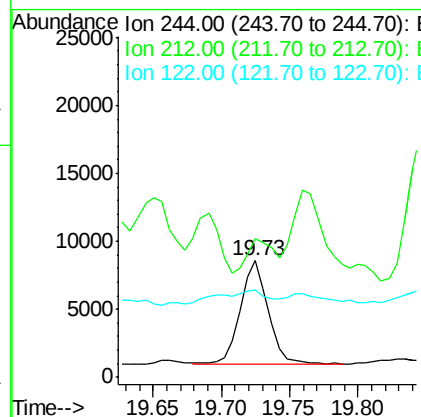
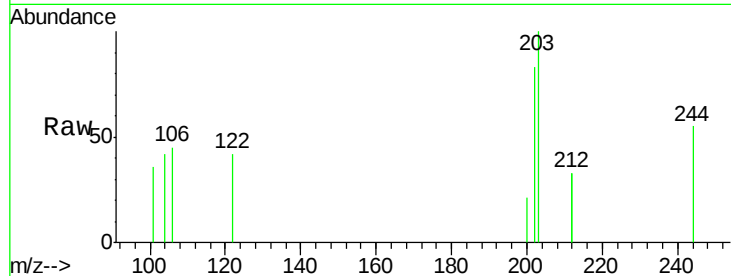
#29
 Terphenyl-d14
 Concen: 0.119 ng
 RT: 19.73 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BE101083.D
 Acq: 16 Jan 2020 19:43

Instrument :
 BNA_E
 ClientSampleId :
 SB-35-(5-7)

Tot Ion	Ratio	Lower	Upper
244	100		
212	119.2	27.2	40.8#
122	75.1	9.8	14.8#

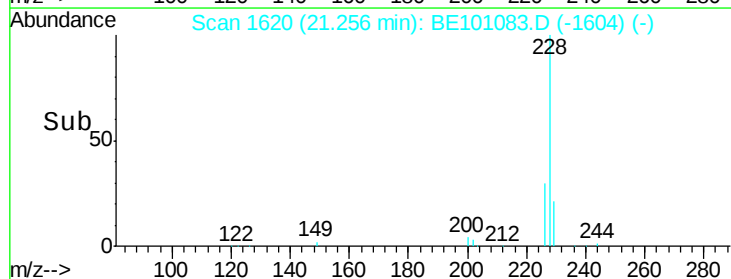
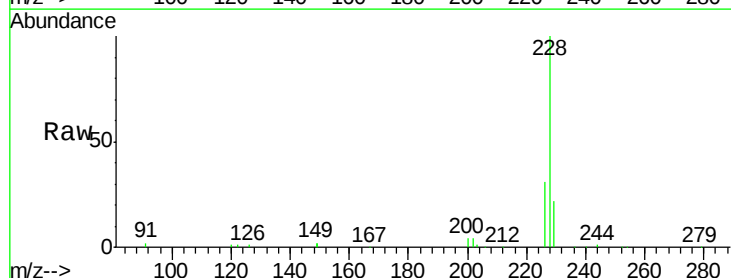
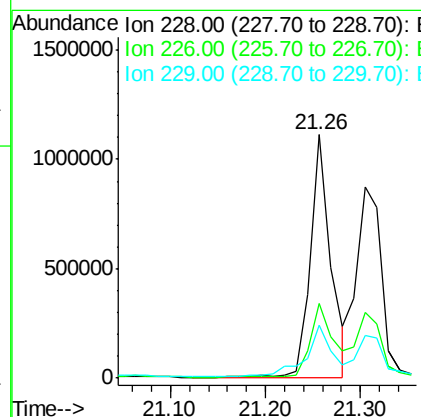
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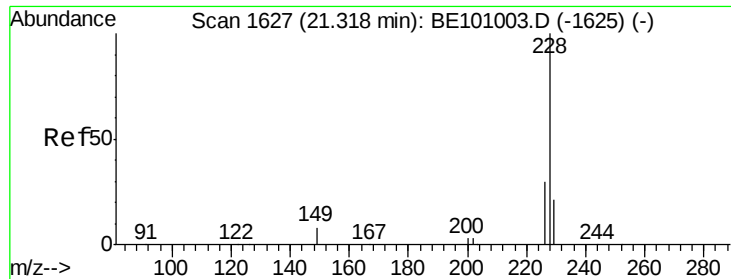
mohammad
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#30
 Benzo(a)anthracene
 Concen: 15.872 ng
 RT: 21.26 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: BE101083.D
 Acq: 16 Jan 2020 19:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.7	34.1
229	21.9	15.5	23.3





#31

Chrysene

Concen: 10.256 ng

RT: 21.30 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE101083.D

Acq: 16 Jan 2020 19:43

Instrument :

BNA_E

ClientSampleId :

SB-35-(5-7)

Tot Ion:228 Resp: 1587370

Ion Ratio Lower Upper

228 100

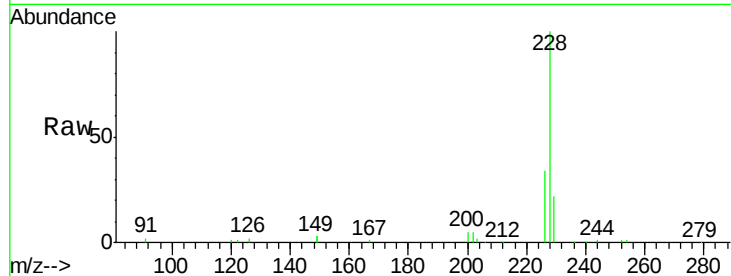
226 34.4 23.5 35.3

229 22.5 16.7 25.1

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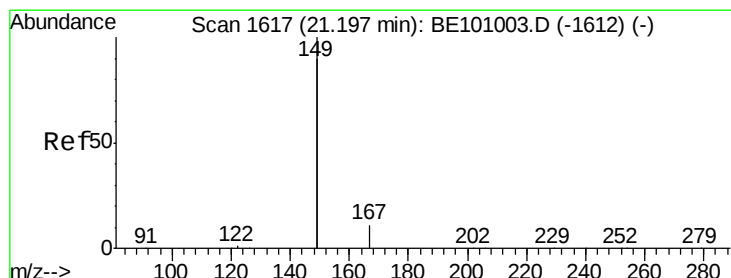
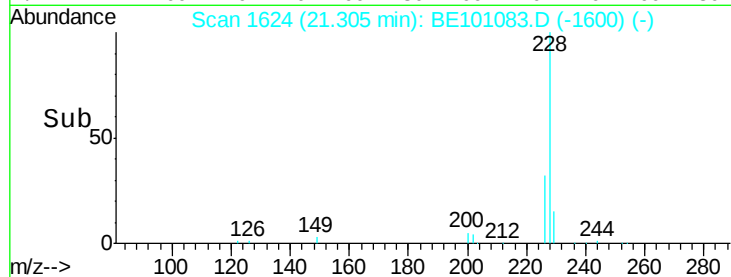
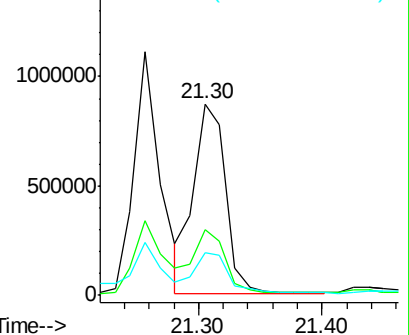
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.371 ng

RT: 21.20 min Scan# 1615

Delta R.T. -0.00 min

Lab File: BE101083.D

Acq: 16 Jan 2020 19:43

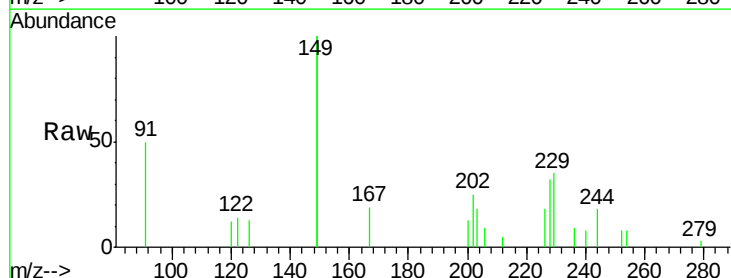
Tgt Ion:149 Resp: 64437

Ion Ratio Lower Upper

149 100

167 4.1 5.2 7.8#

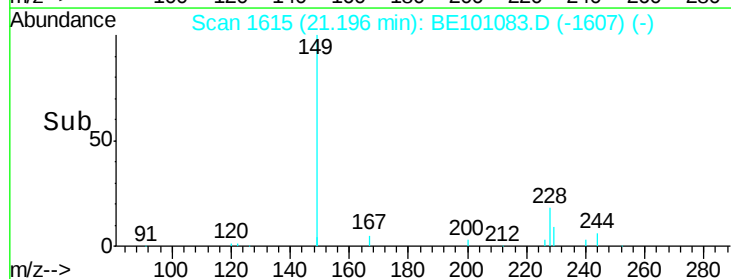
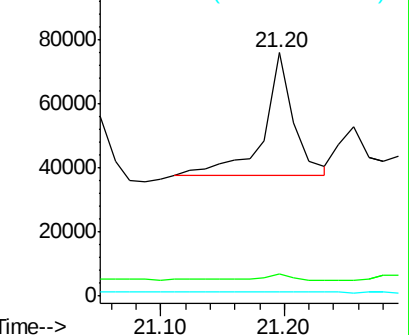
279 0.5 0.8 1.2#

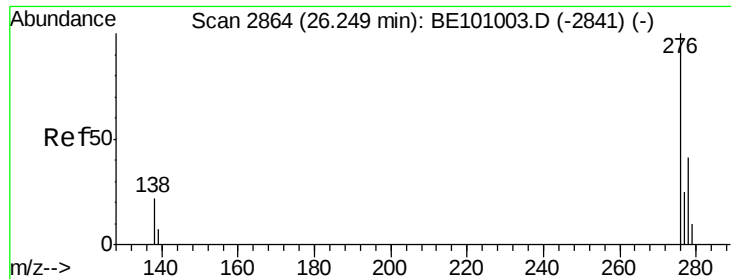


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





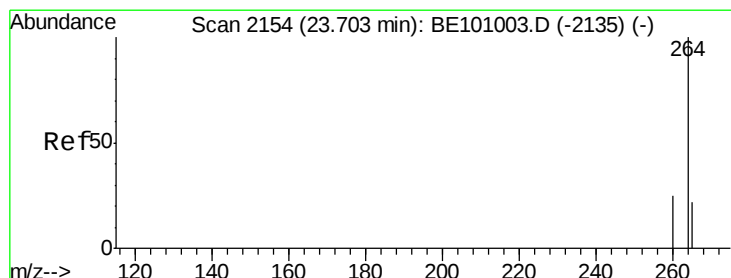
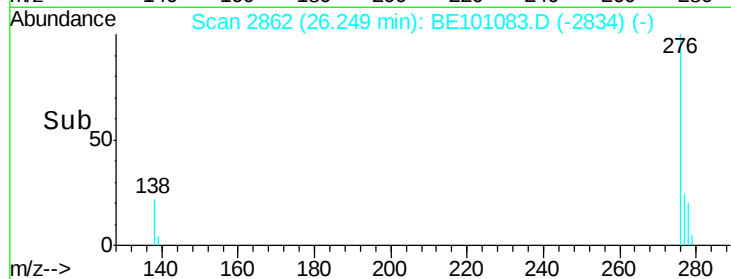
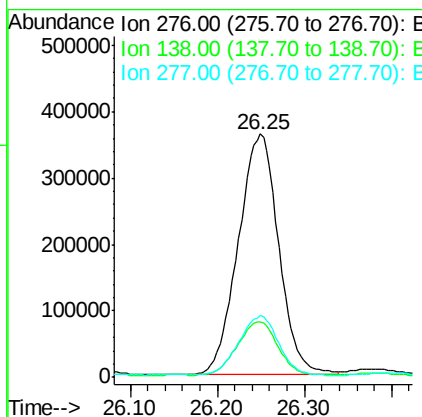
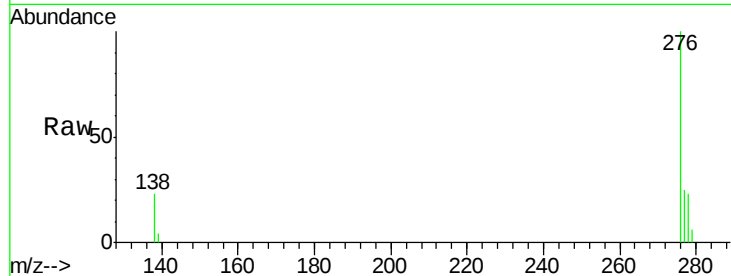
#33
Indeno(1,2,3-cd)pyrene
Concen: 9.494 ng
RT: 26.25 min Scan# 2862
Delta R.T. 0.00 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Instrument :
BNA_E
ClientSampleId :
SB-35-(5-7)

Tot Ion:276 Resp: 1161055
Ion Ratio Lower Upper
276 100
138 22.1 16.1 24.1
277 24.4 18.1 27.1

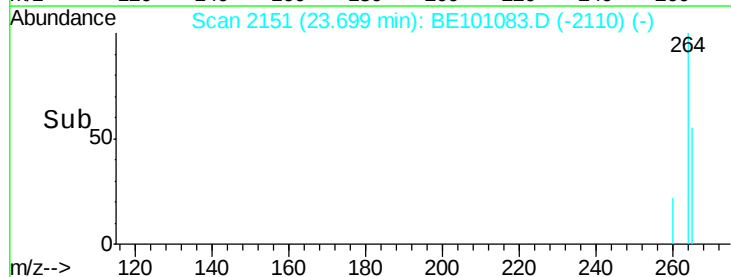
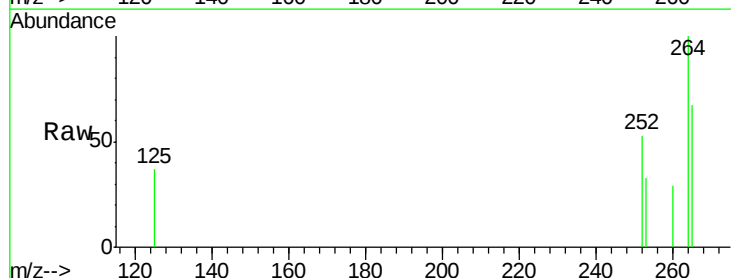
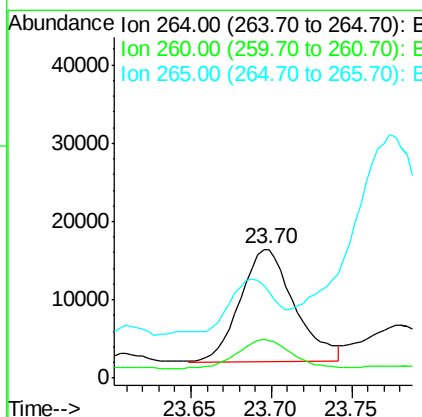
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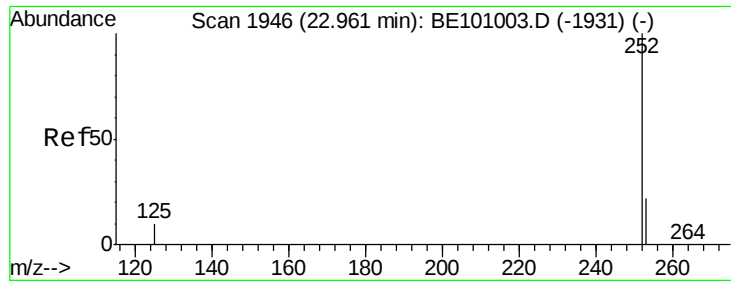
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.70 min Scan# 2151
Delta R.T. -0.00 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Tgt Ion:264 Resp: 34277
Ion Ratio Lower Upper
264 100
260 29.3 20.3 30.5
265 66.6 27.0 40.4#





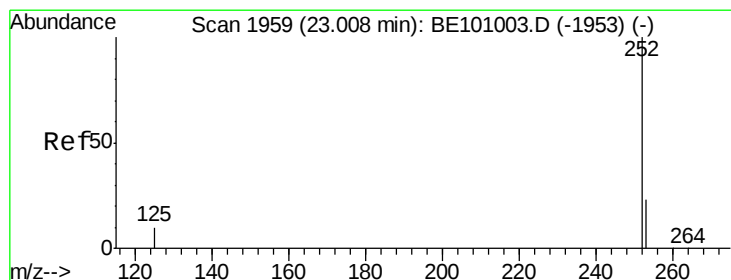
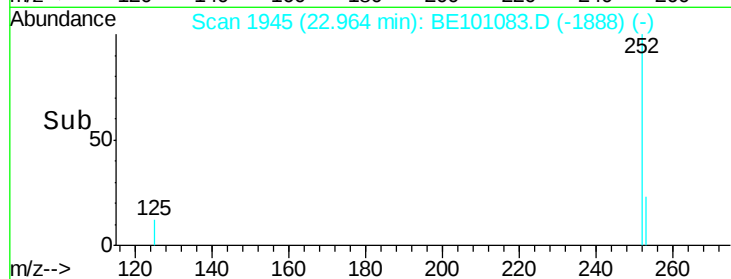
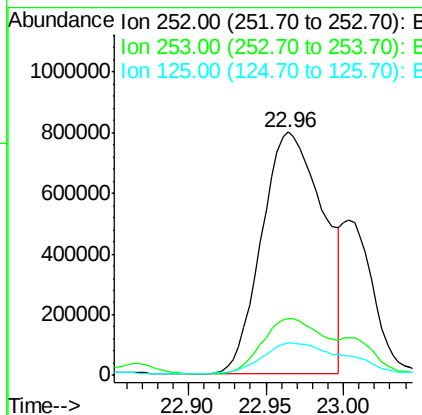
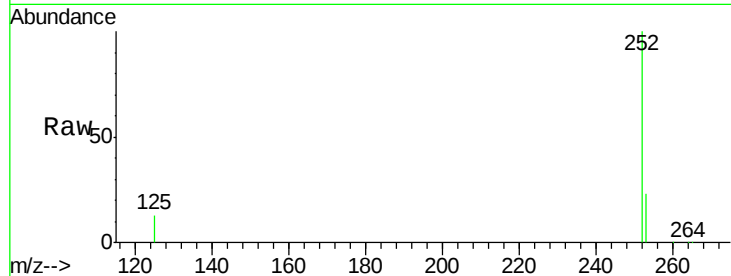
#35
Benzo(b)fluoranthene
Concen: 23.027 ng
RT: 22.96 min Scan# 1945
Delta R.T. 0.00 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Instrument :
BNA_E
ClientSampleId :
SB-35-(5-7)

Tot Ion:252 Resp: 2213634
Ion Ratio Lower Upper
252 100
253 23.4 18.5 27.7
125 13.1 9.5 14.3

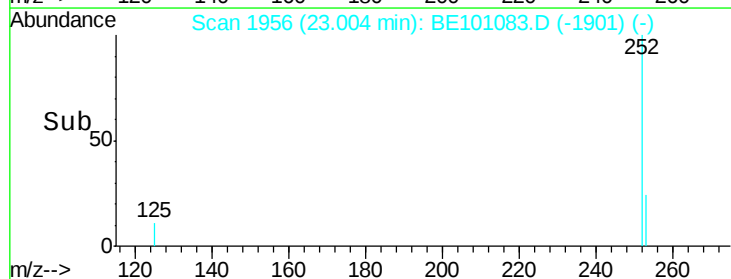
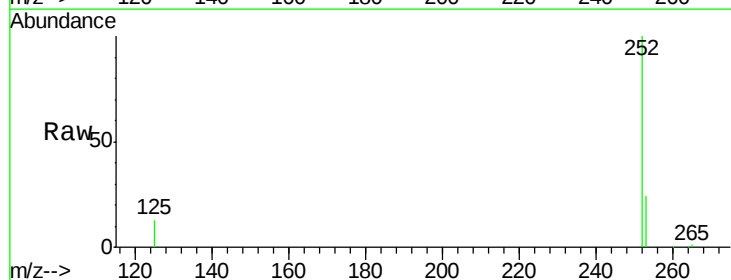
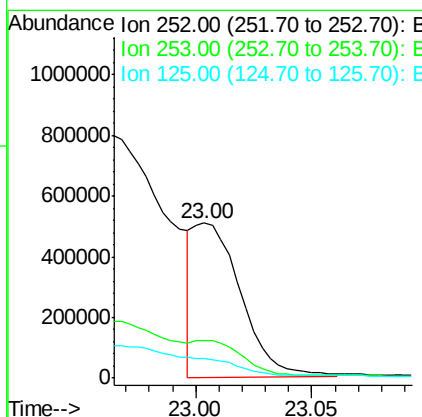
Manual Integrations
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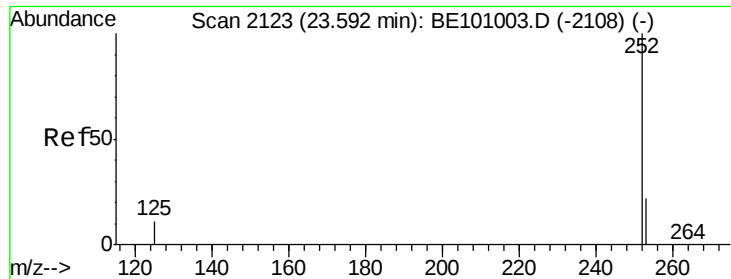
mohammad
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#36
Benzo(k)fluoranthene
Concen: 5.167 ng m
RT: 23.00 min Scan# 1956
Delta R.T. -0.00 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Tgt Ion:252 Resp: 719776
Ion Ratio Lower Upper
252 100
253 24.2 18.9 28.3
125 12.7 10.1 15.1





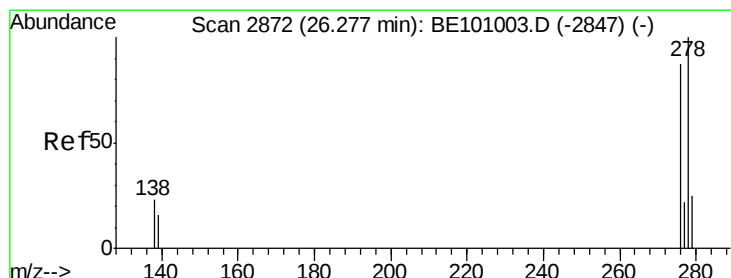
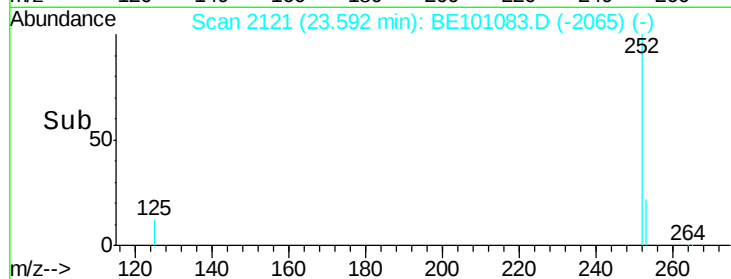
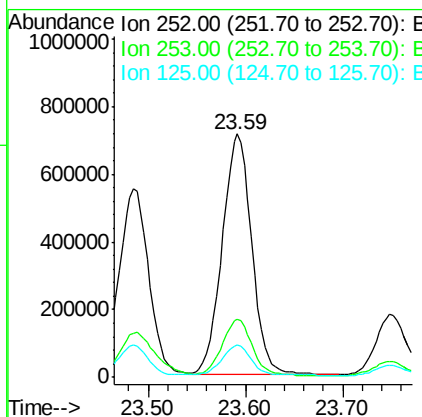
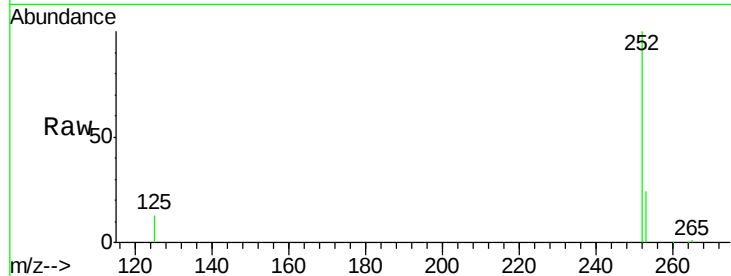
#37
Benzo(a)pyrene
Concen: 16.125 ng
RT: 23.59 min Scan# 2121
Delta R.T. -0.00 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Instrument :
BNA_E
ClientSampleId :
SB-35-(5-7)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.4	29.2
125	13.2	11.8	17.6

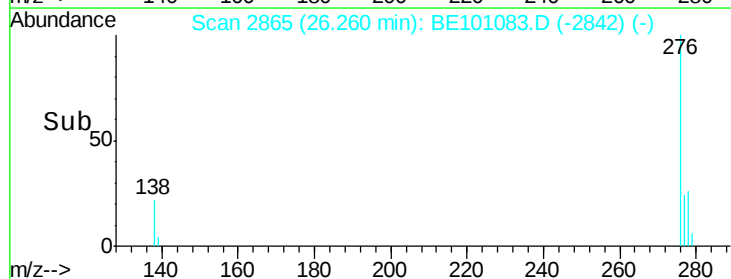
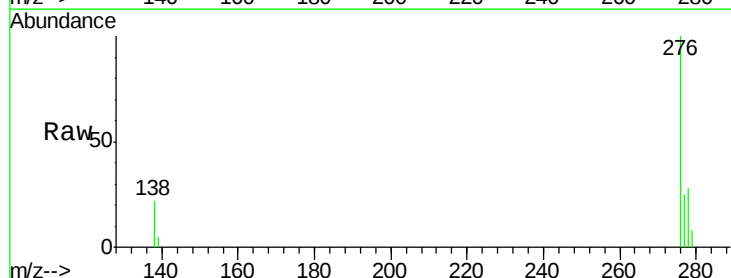
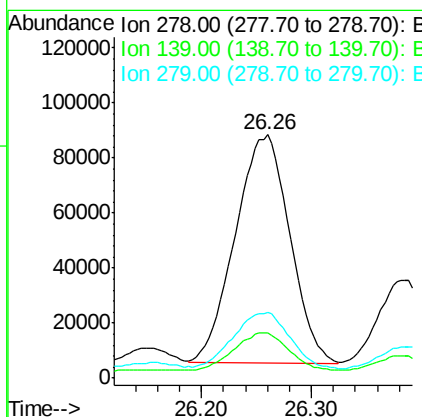
Manual Integrations
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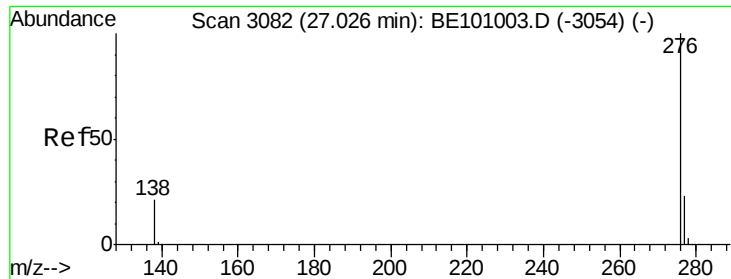
mohammad
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#38
Dibenzo(a,h)anthracene
Concen: 3.337 ng
RT: 26.26 min Scan# 2865
Delta R.T. -0.02 min
Lab File: BE101083.D
Acq: 16 Jan 2020 19:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.7	15.0	22.4
279	27.2	22.6	33.8





#39
 Benzo(a,h,i)perylene
 Concen: 11.689 ng
 RT: 27.03 min Scan# 3082
 Delta R.T. 0.01 min
 Lab File: BE101083.D
 Acq: 16 Jan 2020 19:43

Instrument :
 BNA_E
 ClientSampleId :
 SB-35-(5-7)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.2
138	23.6	17.9	26.9

Manual Integrations
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