

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011620\
 Data File : BE101079.D
 Acq On : 16 Jan 2020 17:14
 Operator : JU
 Sample : L1148-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-28-(4-6)

Manual Integrations
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Quant Time: Jan 17 10:40:00 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	7.72	152	2932	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	11425	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	7907	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	18409	0.40	ng	0.00
27) Chrysene-d12	21.27	240	20806	0.40	ng	-0.01
34) Perylene-d12	23.69	264	25413	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.33	112	1886	0.29	ng	-0.01
5) Phenol-d6	6.91	99	2052	0.25	ng	-0.01
8) Nitrobenzene-d5	8.87	82	1993	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	3727	0.17	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	567	0.25	ng	-0.01
15) 2-Fluorobiphenyl	12.99	172	5788	0.19	ng	-0.01
25) Fluoranthene-d10	19.12	212	60154	0.24	ng	-0.01
29) Terphenyl-d14	19.72	244	14229	0.28	ng	-0.01

Target Compounds				Qvalue		
9) Naphthalene	10.54	128	285503	2.251	ng	100
12) 2-Methylnaphthalene	12.17	142	6648	0.346	ng	99
16) Acenaphthylene	14.07	152	12628	0.392	ng	99
17) Acenaphthene	14.41	154	3110	0.135	ng	94
18) Fluorene	15.39	166	14403	0.494	ng	99
23) Phenanthrene	17.13	178	82236	1.636	ng	99
24) Anthracene	17.23	178	20470m	0.432	ng	
26) Fluoranthene	19.15	202	98232	1.560	ng	100
28) Pyrene	19.51	202	91499	1.181	ng	98
30) Benzo(a)anthracene	21.25	228	49647	0.836	ng	96
31) Chrysene	21.31	228	40369	0.458	ng	97
32) Bis(2-ethylhexyl)phthalate	21.20	149	7597	0.077	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.22	276	20268	0.291	ng	100
35) Benzo(b)fluoranthene	22.95	252	45908	0.644	ng	97
36) Benzo(k)fluoranthene	22.99	252	21527m	0.208	ng	
37) Benzo(a)pyrene	23.58	252	33711	0.489	ng	99
38) Dibenzo(a,h)anthracene	26.23	278	4605	0.073	ng	# 83
39) Benzo(a,h,i)perylene	27.00	276	21335	0.274	ng	97

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

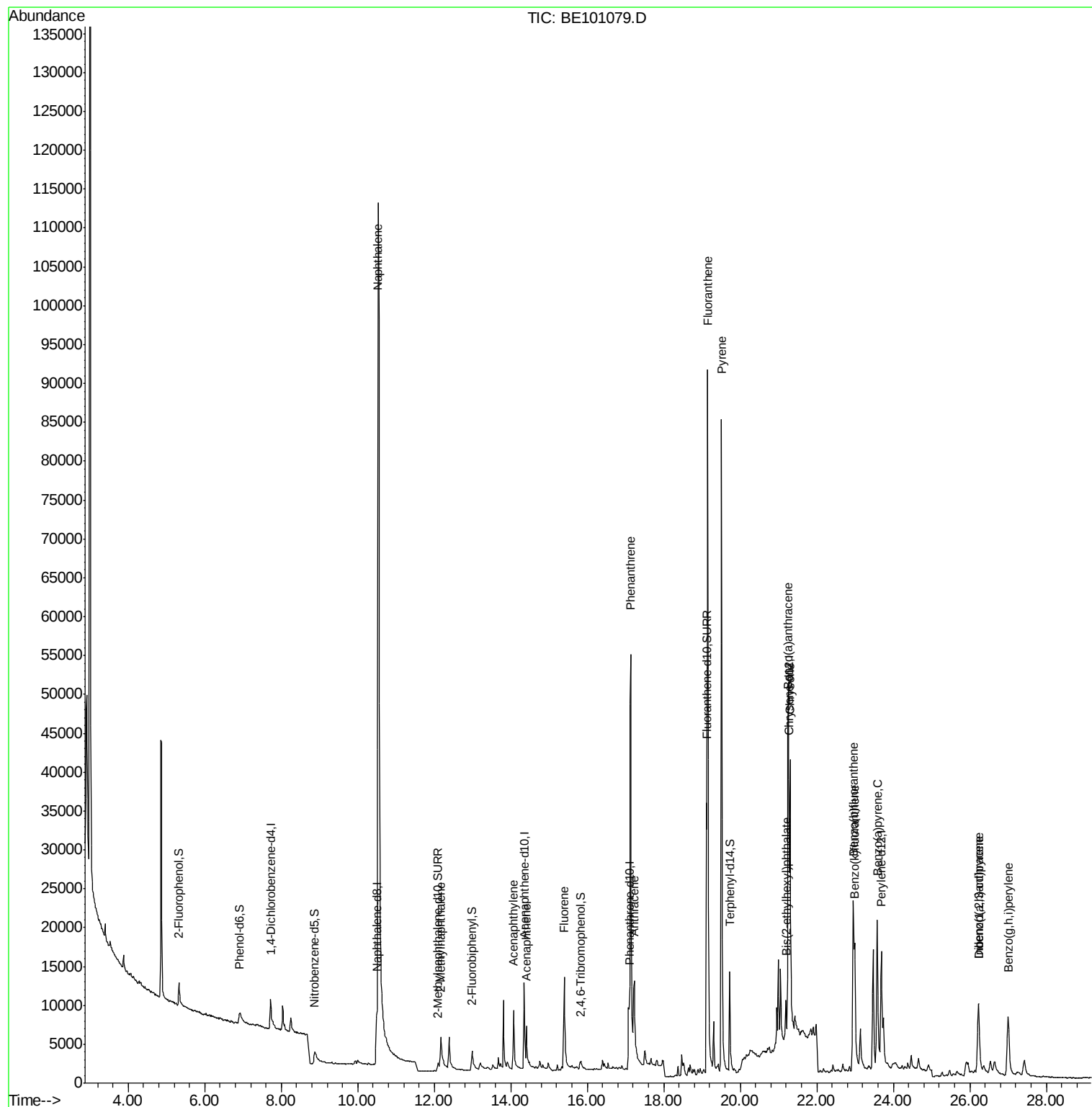
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011620\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
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#1

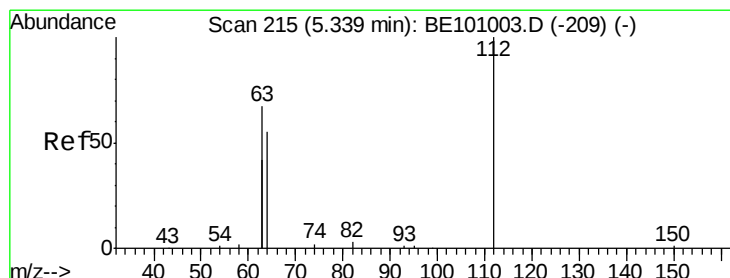
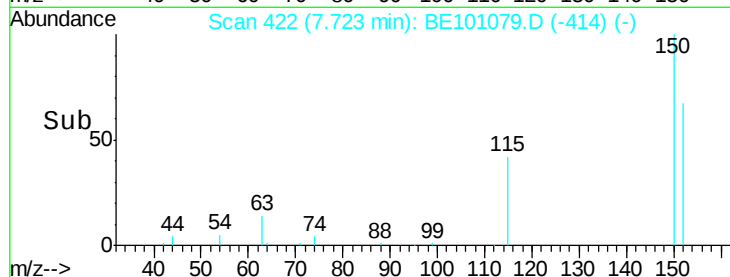
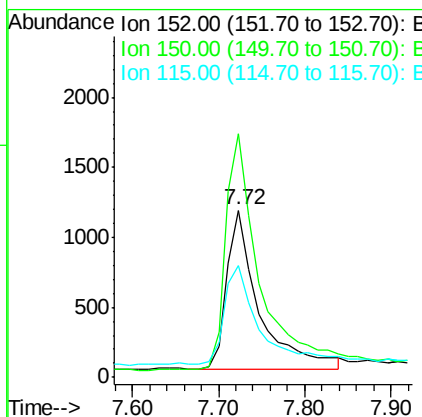
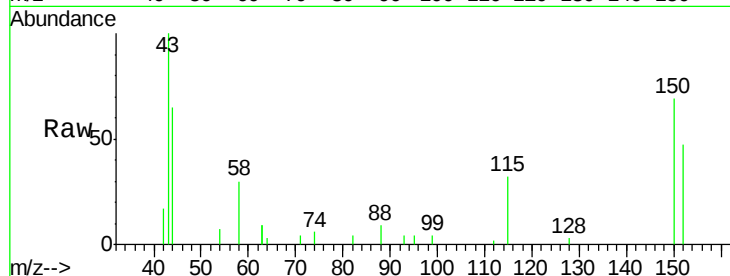
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Instrument :
BNA_E
ClientSampleId :
SB-28-(4-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.5	120.3	180.5
115	66.7	51.7	77.5

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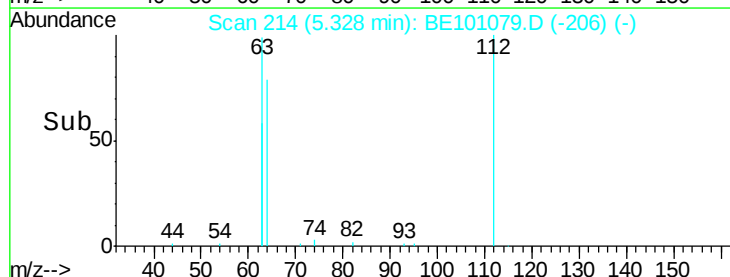
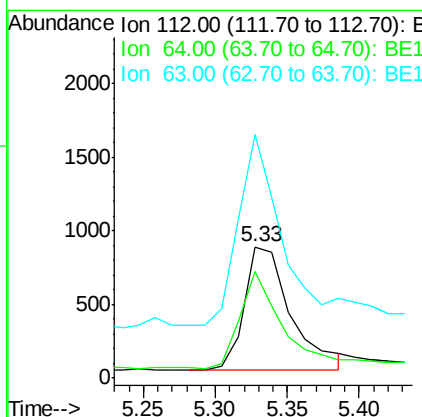
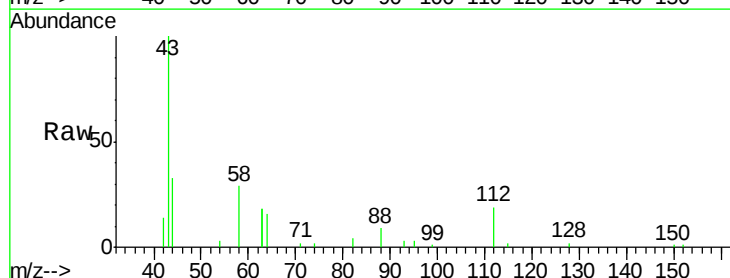
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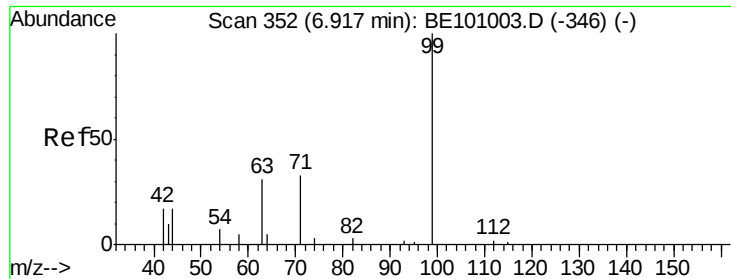


#4

2-Fluorophenol
Concen: 0.286 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.0	53.6	80.4
63	139.3	114.6	172.0





#5

Phenol-d6

Concen: 0.246 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101079.D

Acq: 16 Jan 2020 17:14

Instrument :

BNA_E

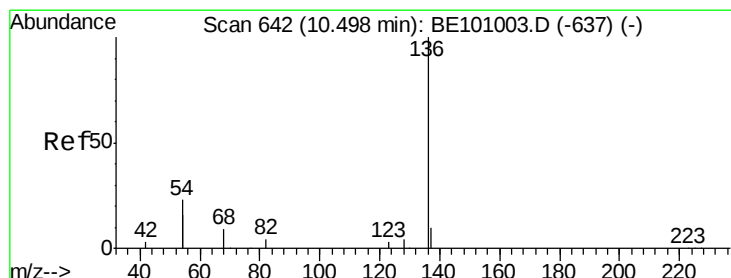
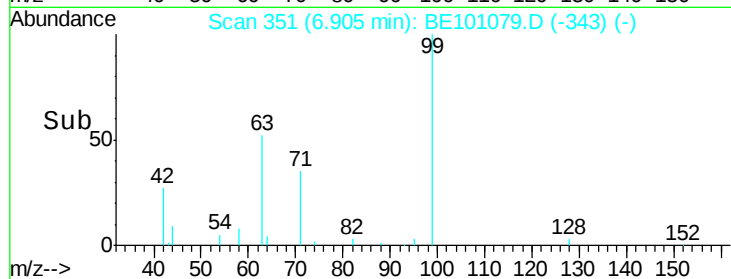
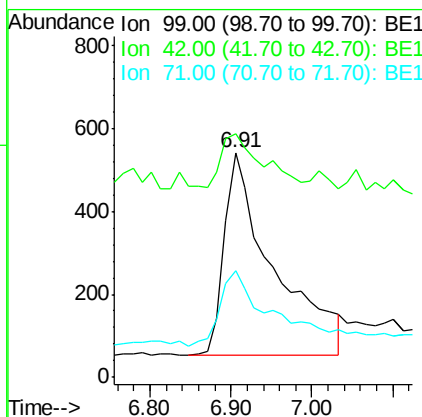
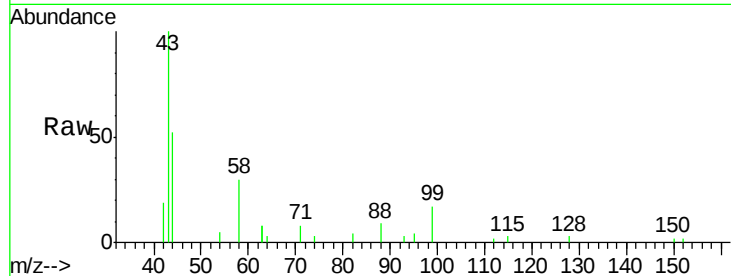
ClientSampleId :

SB-28-(4-6)

Tot Ion:	99	Resp:	2052
Ion	Ratio	Lower	Upper
99	100		
42	22.4	18.3	27.5
71	39.4	28.0	42.0

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#7

Naphthalene-d8

Concen: 0.400 ng

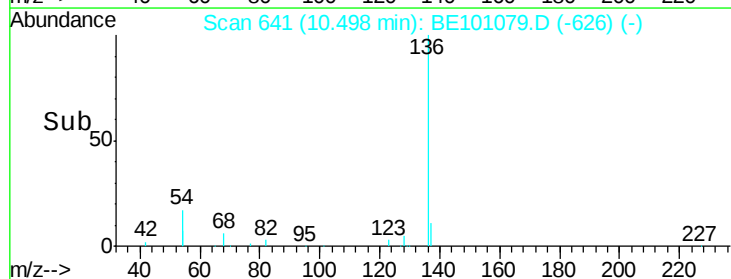
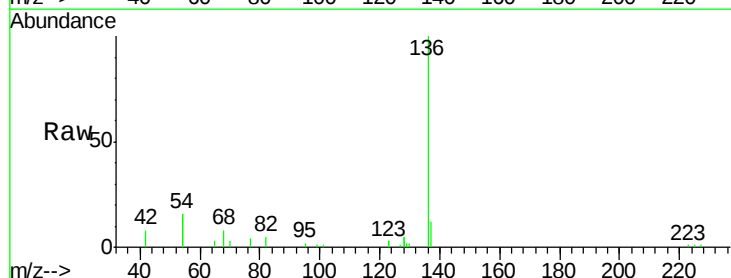
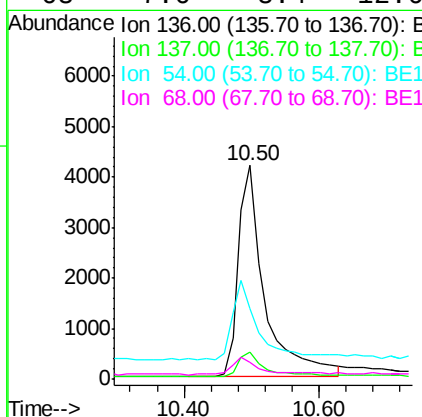
RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101079.D

Acq: 16 Jan 2020 17:14

Tgt Ion:	136	Resp:	11425
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.3	13.9
54	32.8	36.8	55.2#
68	7.6	8.4	12.6#





#8

Nitrobenzene-d5

Concen: 0.244 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101079.D

Acq: 16 Jan 2020 17:14

Instrument :

BNA_E

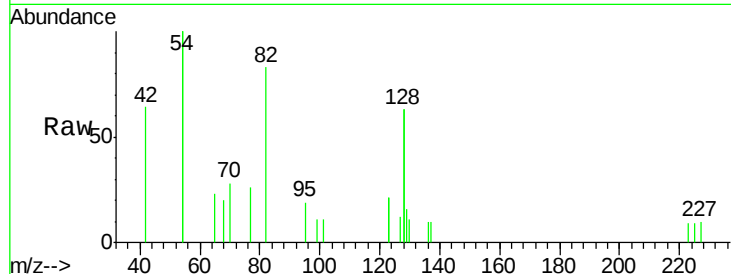
ClientSampleId :

SB-28-(4-6)

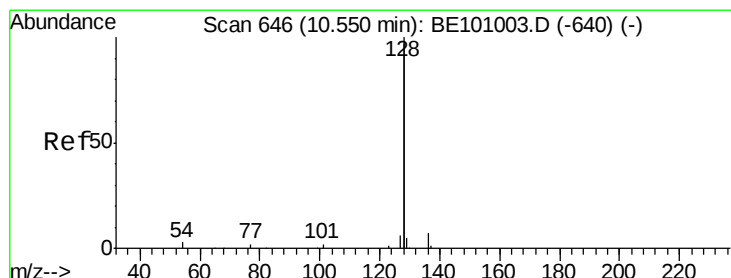
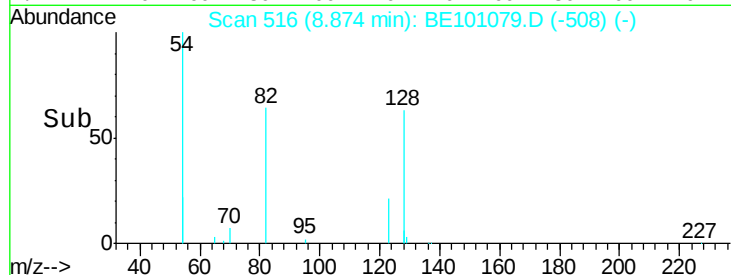
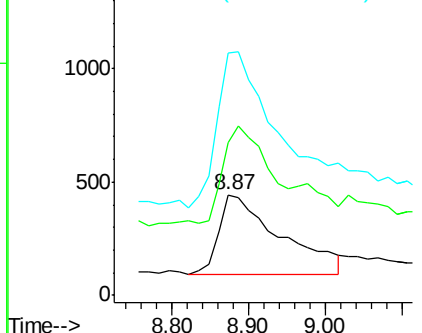
Tot Ion:	82	Resp:	1993
Ion	Ratio	Lower	Upper
82	100		
128	151.9	109.8	164.6
54	240.4	174.5	261.7

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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): BE1
Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 2.251 ng

RT: 10.54 min Scan# 644

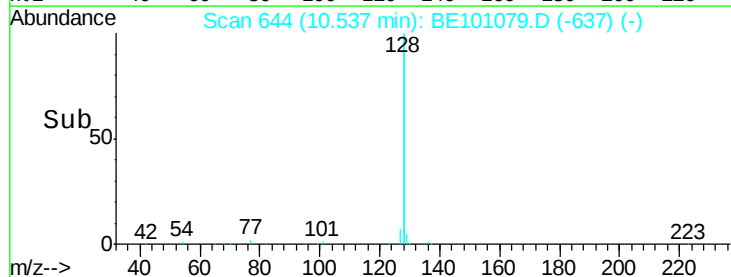
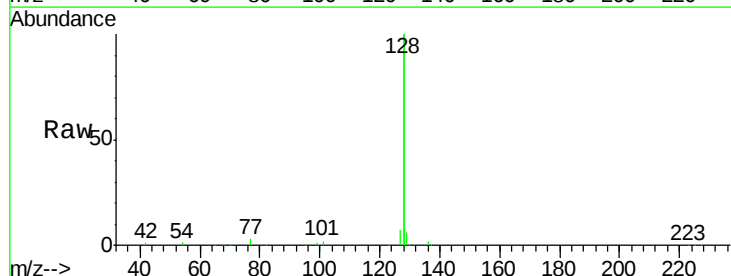
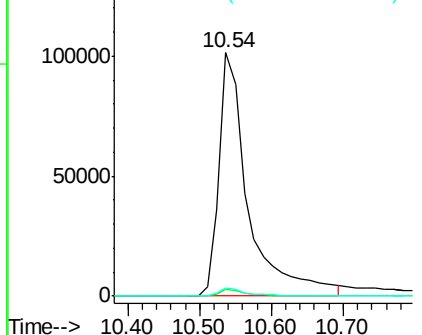
Delta R.T. -0.01 min

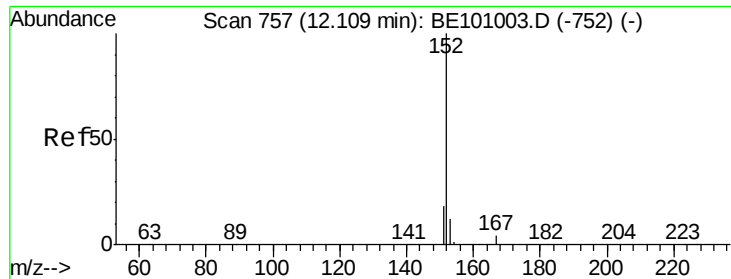
Lab File: BE101079.D

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Tgt Ion:	128	Resp:	285503
Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.3	3.5
127	3.4	2.7	4.1

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





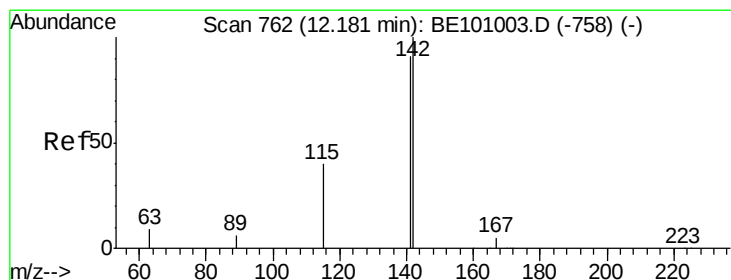
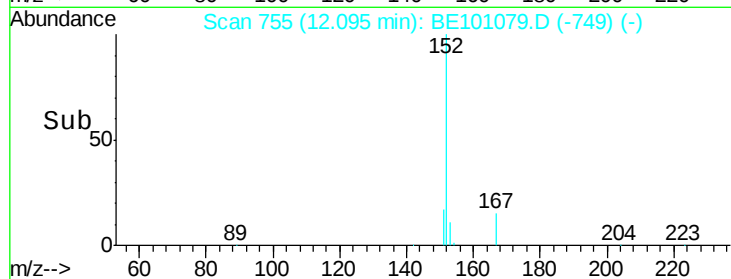
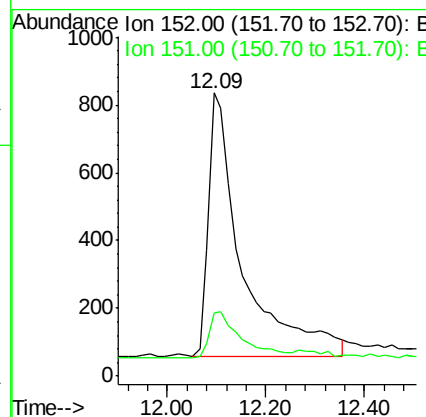
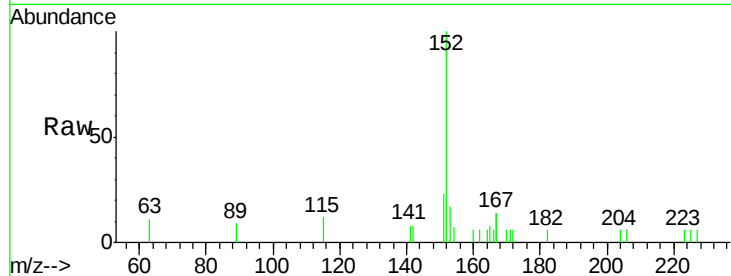
#11
2-Methylnaphthalene-d10
Concen: 0.171 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.01 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Instrument :
BNA_E
ClientSampleId :
SB-28-(4-6)

Tot Ion	Ratio	Lower	Upper
152	100		
151	16.2	15.0	22.6

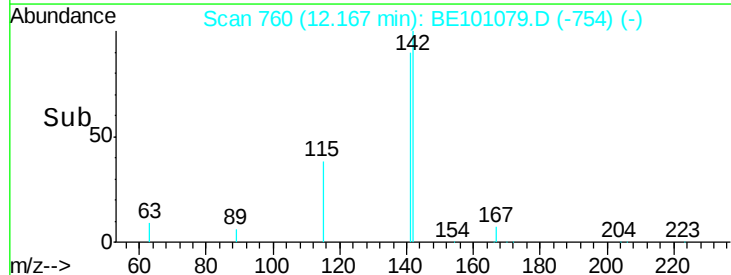
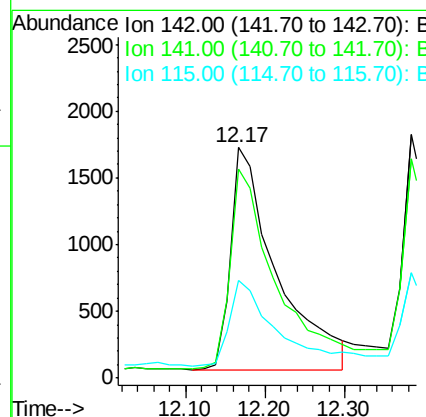
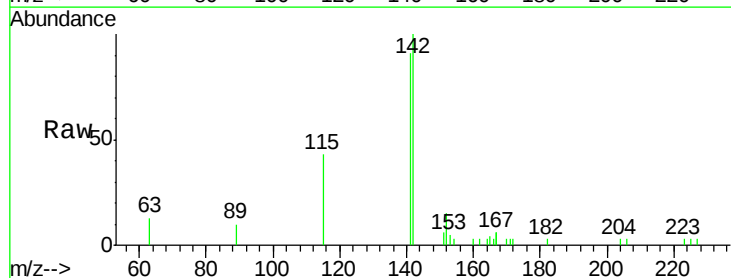
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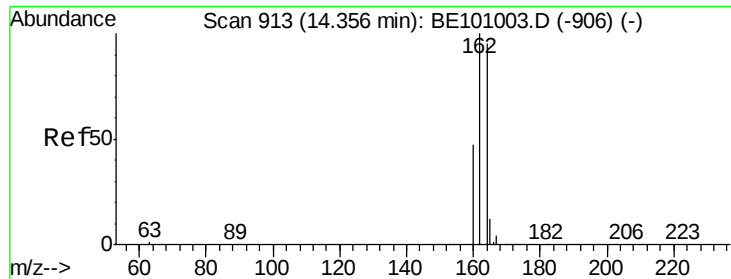
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#12
2-Methylnaphthalene
Concen: 0.346 ng
RT: 12.17 min Scan# 760
Delta R.T. -0.01 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.5	108.7
115	42.6	33.0	49.6





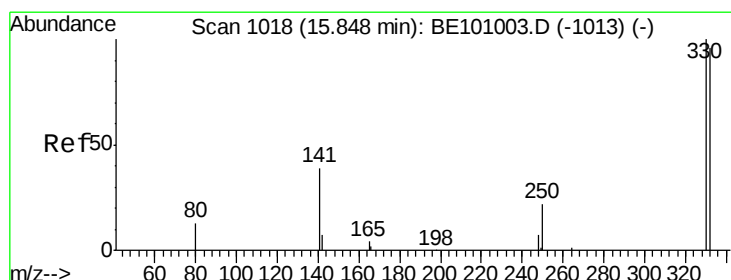
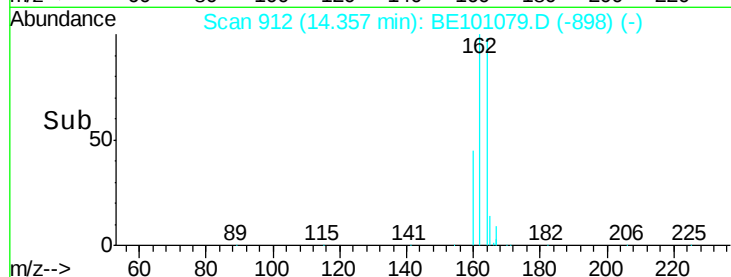
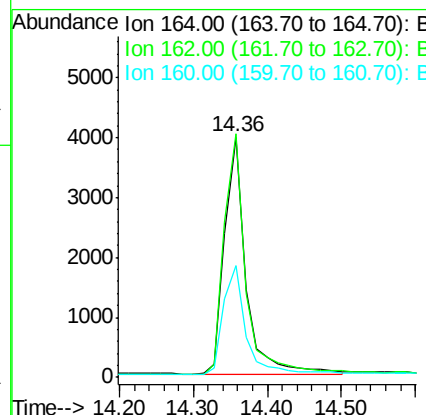
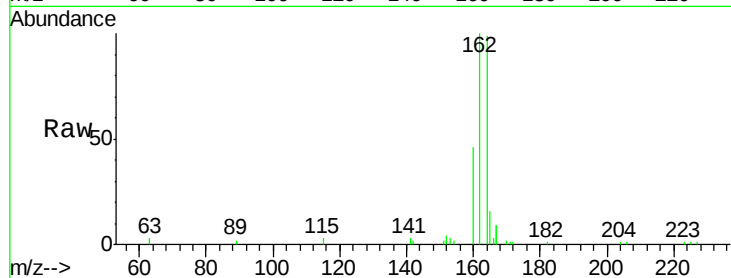
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. 0.00 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Instrument :
BNA_E
ClientSampleId :
SB-28-(4-6)

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.4	84.1	126.1
160	46.8	40.4	60.6

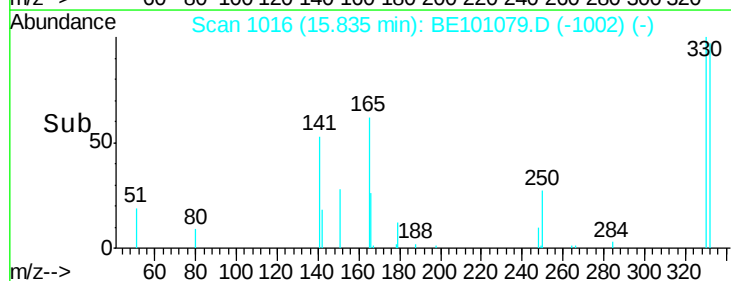
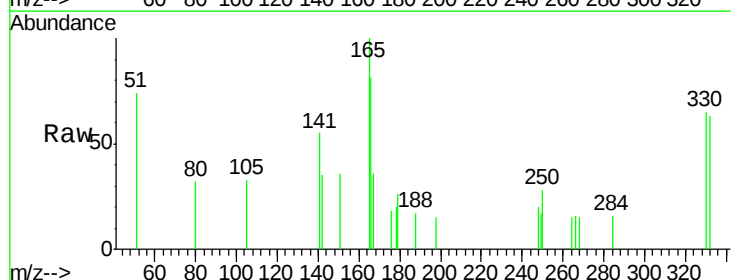
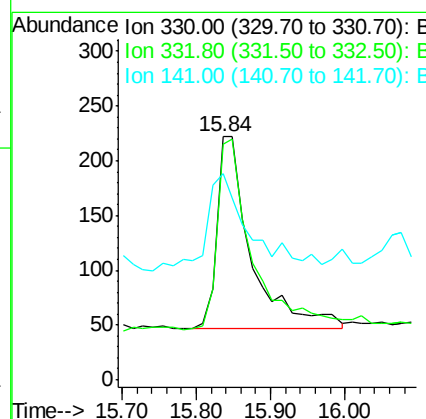
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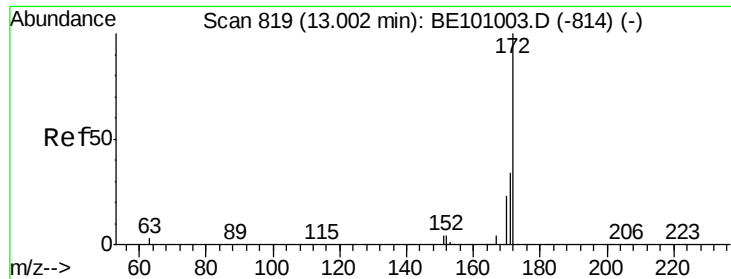
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#14
2,4,6-Tribromophenol
Concen: 0.254 ng
RT: 15.84 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Tgt Ion	Ratio	Lower	Upper
330	100		
332	102.6	78.4	117.6
141	63.0	37.0	55.4#





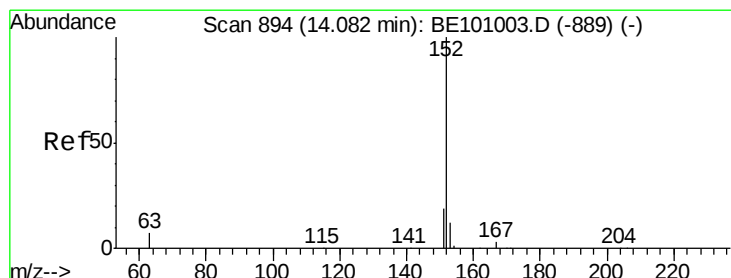
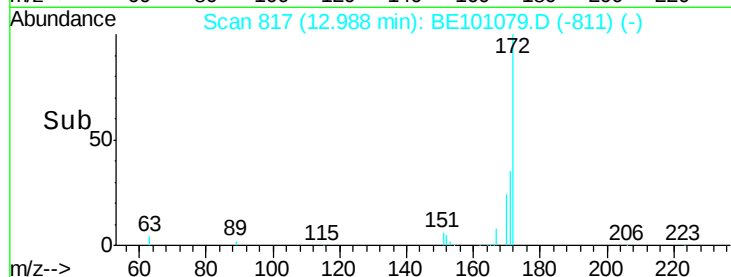
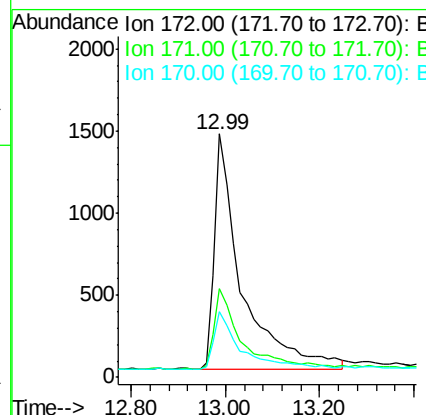
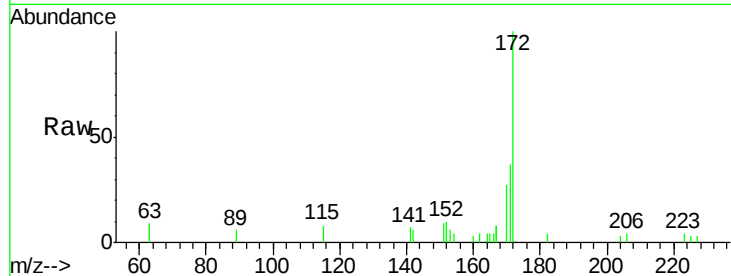
#15
2-Fluorobiphenyl
Concen: 0.193 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.01 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Instrument :
BNA_E
ClientSampleId :
SB-28-(4-6)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.2	42.2
170	26.8	18.9	28.3

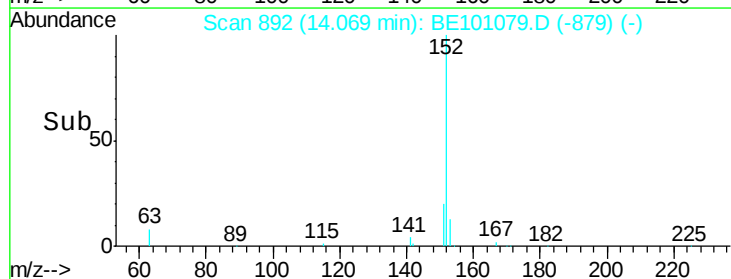
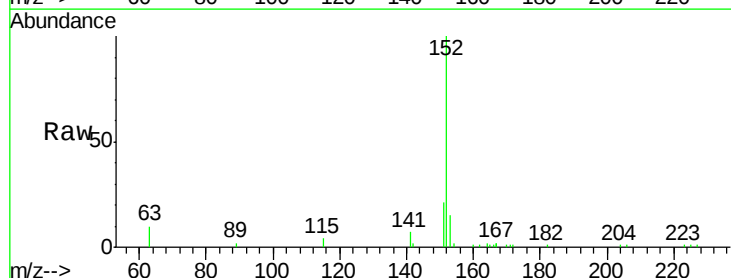
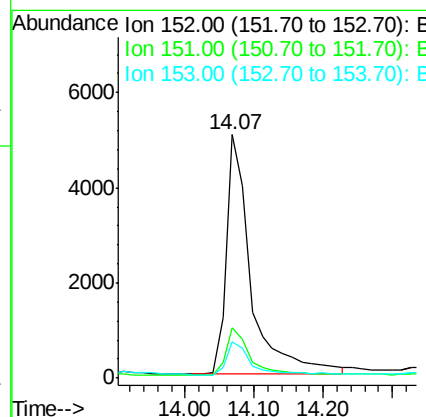
Manual Integrations
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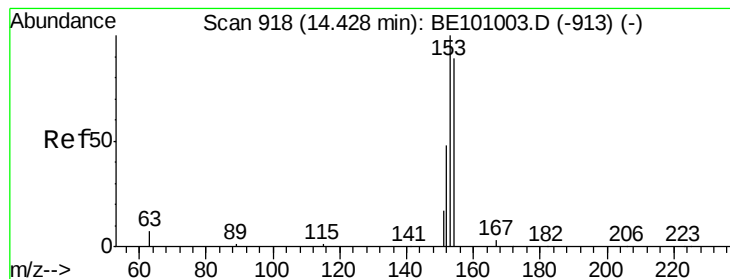
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#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.07 min Scan# 892
Delta R.T. -0.01 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.5	23.3
153	13.5	10.4	15.6





#17

Acenaphthene

Concen: 0.135 ng

RT: 14.41 min Scan# 916

Delta R.T. -0.01 min

Lab File: BE101079.D

Acq: 16 Jan 2020 17:14

Instrument :

BNA_E

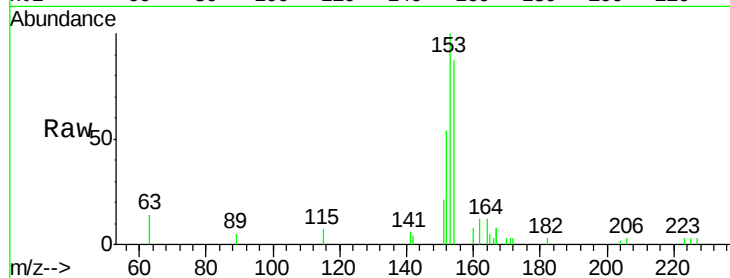
ClientSampleId :

SB-28-(4-6)

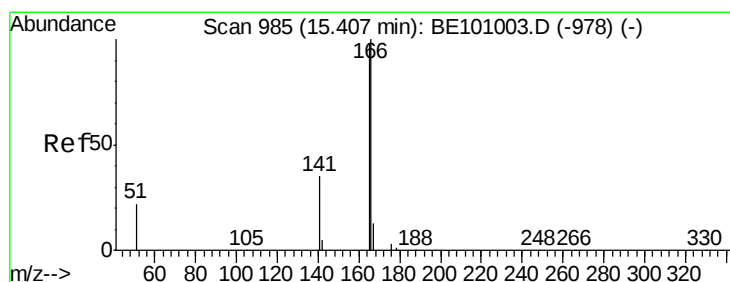
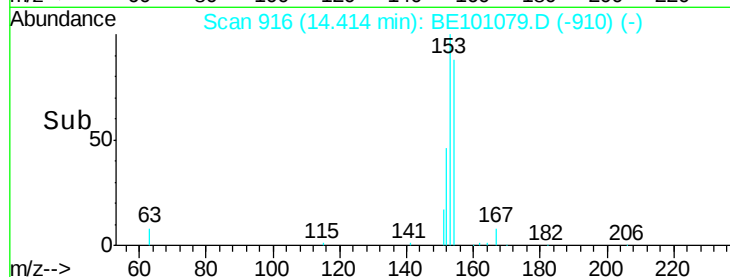
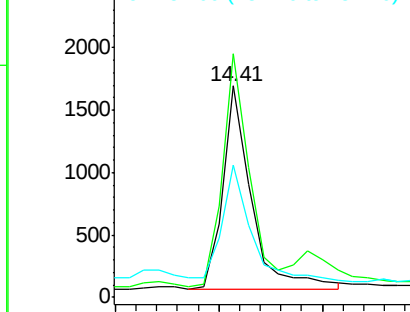
Tot Ion:	154	Resp:	3110
Ion	Ratio	Lower	Upper
154	100		
153	107.9	93.6	140.4
152	56.5	46.3	69.5

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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: 0.494 ng

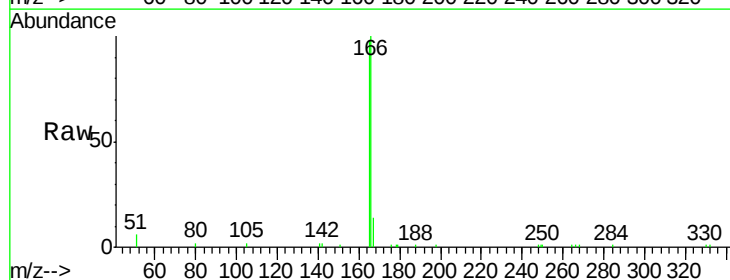
RT: 15.39 min Scan# 983

Delta R.T. -0.01 min

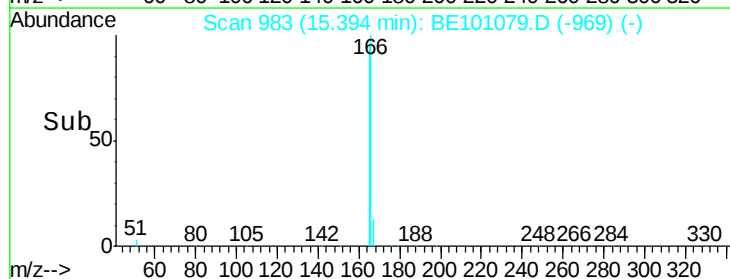
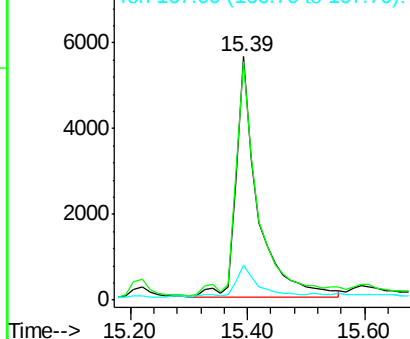
Lab File: BE101079.D

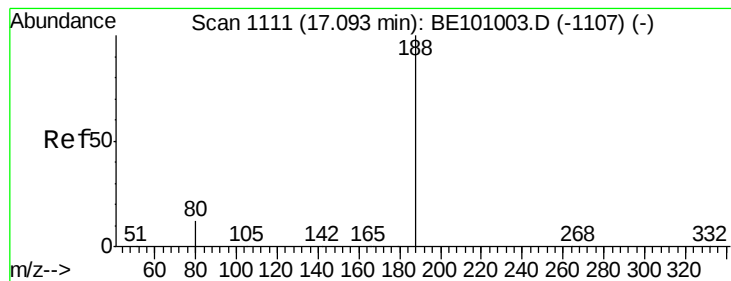
Acq: 16 Jan 2020 17:14

Tgt Ion:	166	Resp:	14403
Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.8	119.8
167	12.0	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: 17.09 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE101079.D

Acq: 16 Jan 2020 17:14

Instrument :

BNA_E

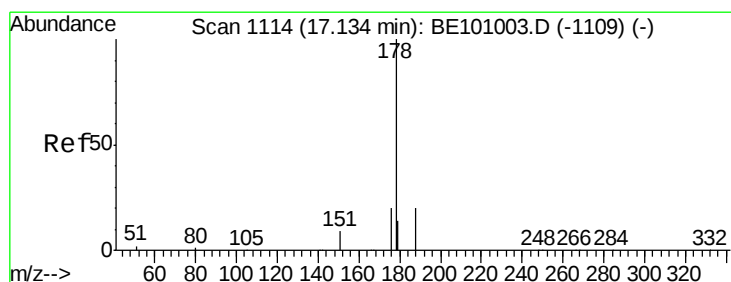
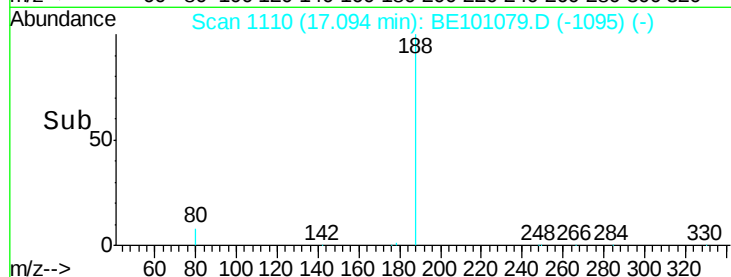
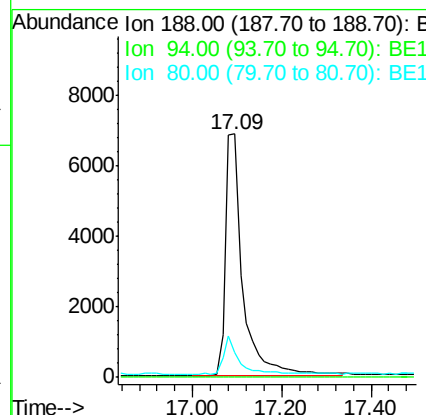
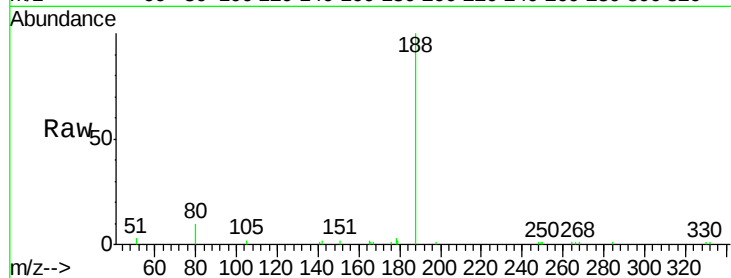
ClientSampleId :

SB-28-(4-6)

Tot Ion:	188	Resp:	18409
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.0	10.8	16.2#

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mohammad
1/17/2020 2:10:39 PM



#23

Phenanthrene

Concen: 1.636 ng

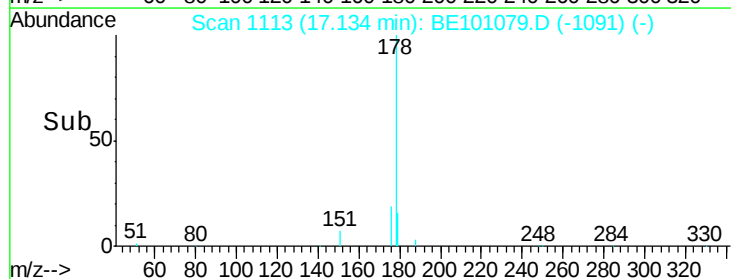
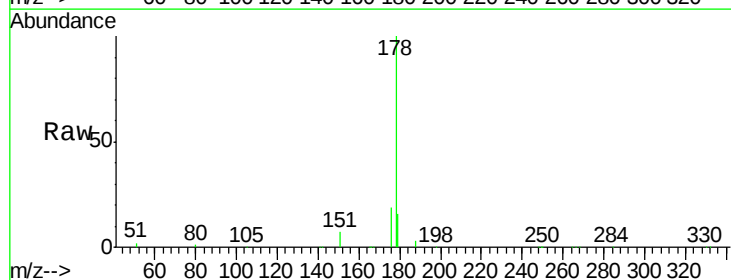
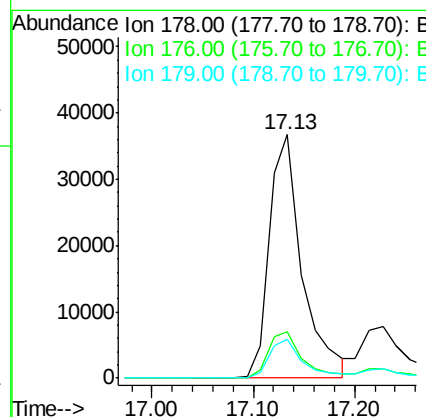
RT: 17.13 min Scan# 1113

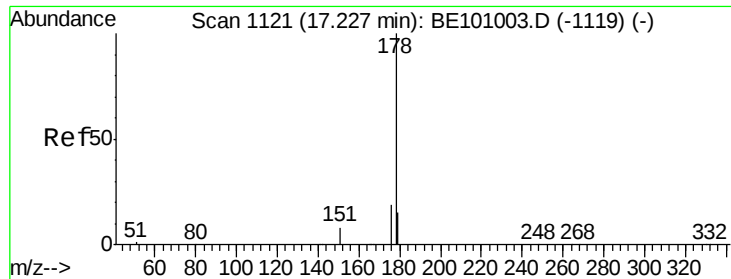
Delta R.T. 0.00 min

Lab File: BE101079.D

Acq: 16 Jan 2020 17:14

Tgt Ion:	178	Resp:	82236
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.7	23.5
179	15.7	12.0	18.0





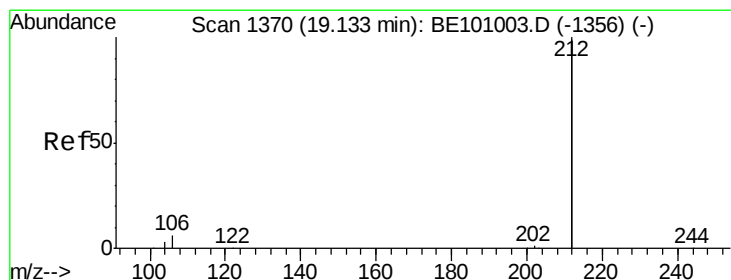
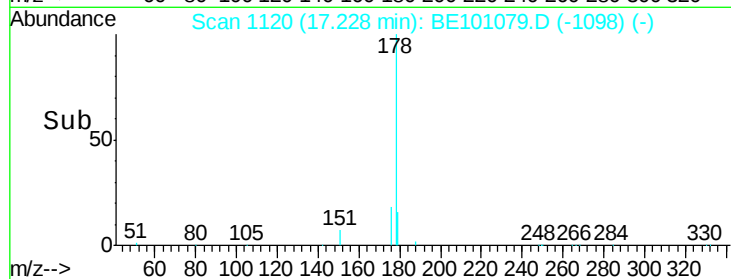
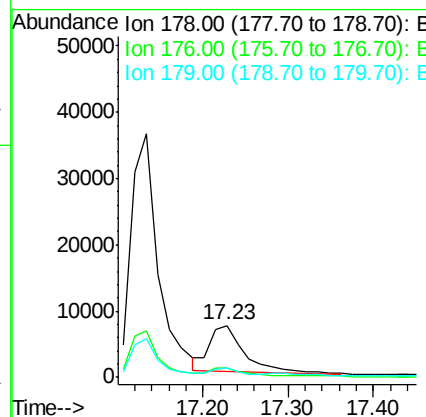
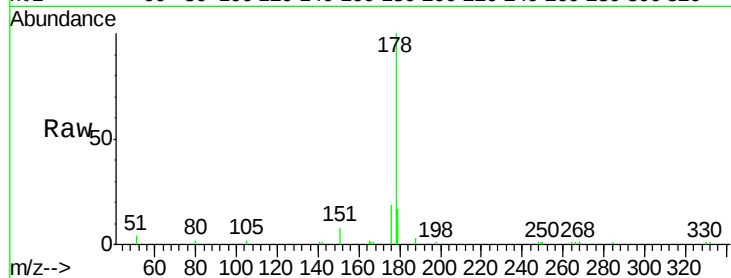
#24
 Anthracene
 Concen: 0.432 ng/ml
 RT: 17.23 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: BE101079.D
 Acq: 16 Jan 2020 17:14

Instrument :
 BNA_E
 ClientSampleId :
 SB-28-(4-6)

Tot Ion	Ratio	Lower	Upper
178	100		
176	77.2	14.8	22.2#
179	63.3	12.4	18.6#

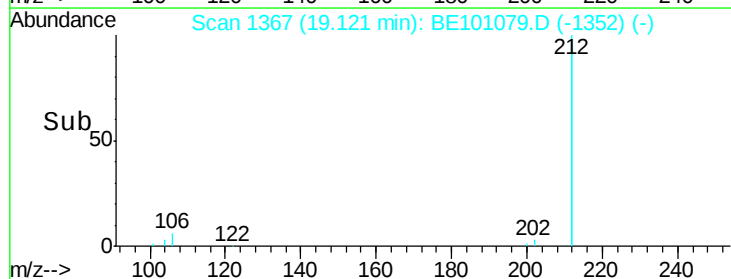
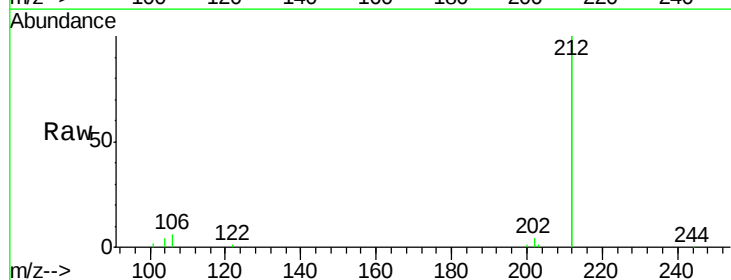
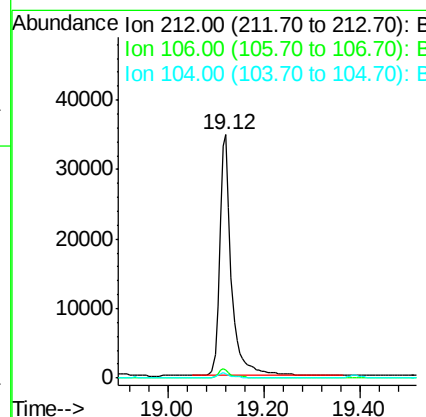
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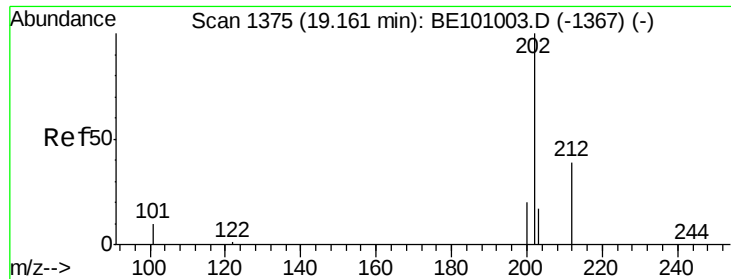
mohammad
 1/17/2020 2:10:39 PM



#25
 Fluoranthene-d10
 Concen: 0.235 ng
 RT: 19.12 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BE101079.D
 Acq: 16 Jan 2020 17:14

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.6	3.8
104	1.9	1.4	2.0





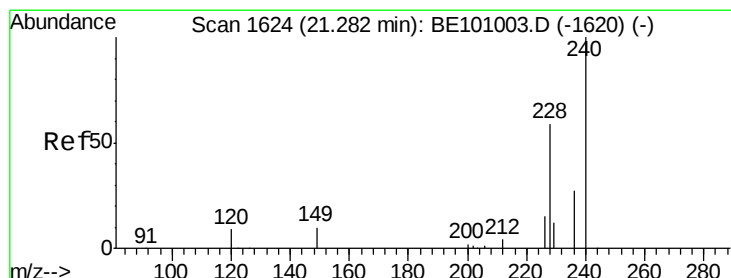
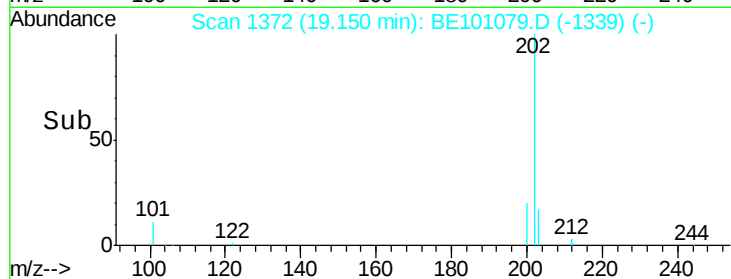
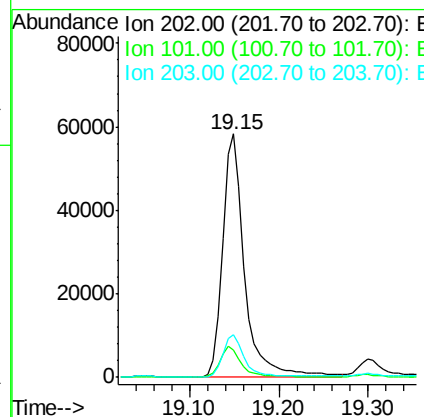
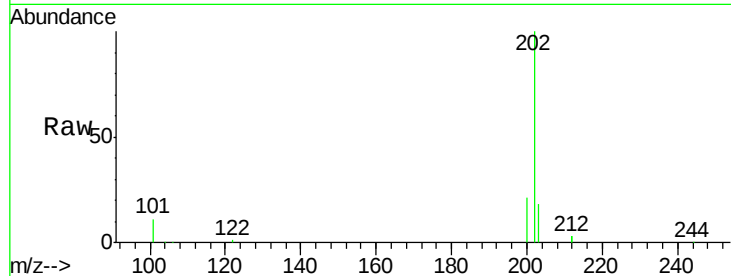
#26
Fluoranthene
Concen: 1.560 ng
RT: 19.15 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Instrument :
BNA_E
ClientSampleId :
SB-28-(4-6)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	9.6	14.4
203	17.0	13.8	20.6

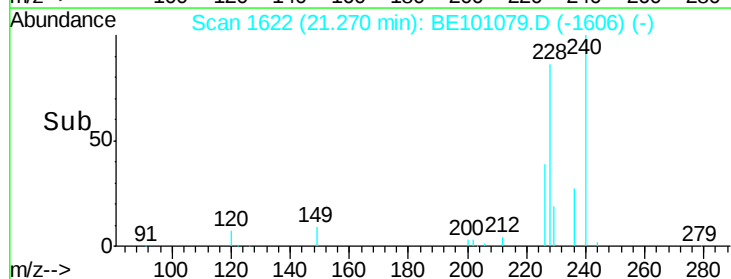
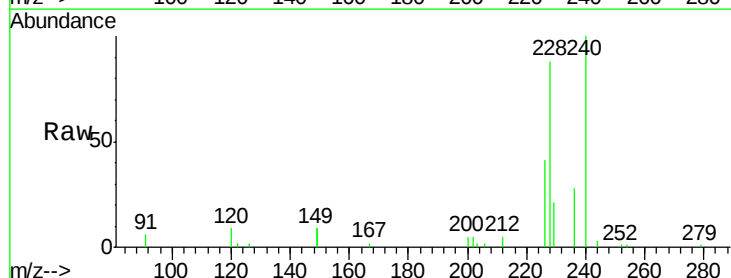
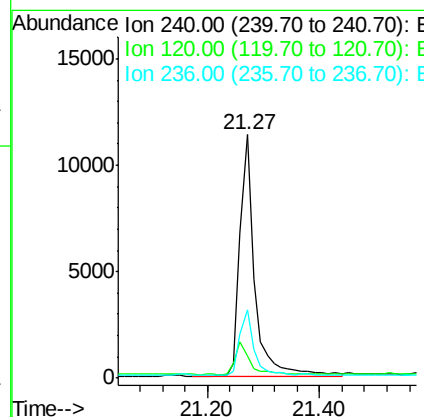
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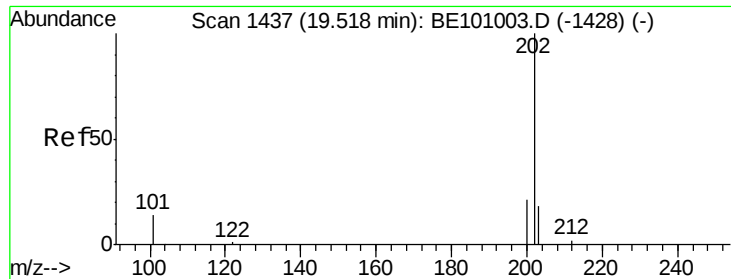
mohammad
1/17/2020 2:10:39 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.0	8.6	13.0
236	28.2	22.2	33.4





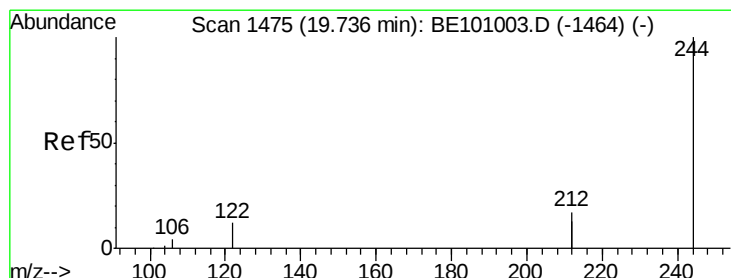
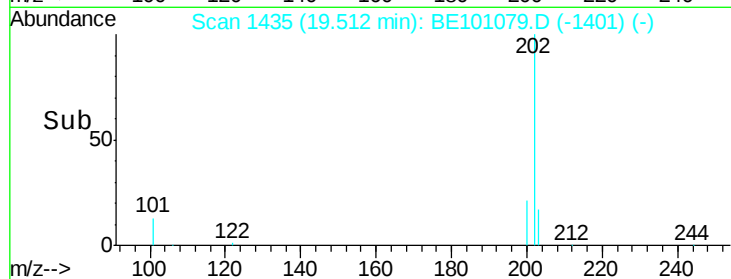
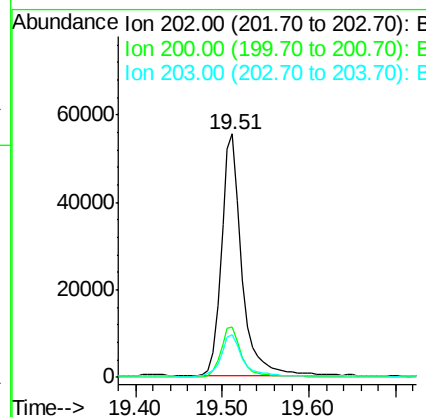
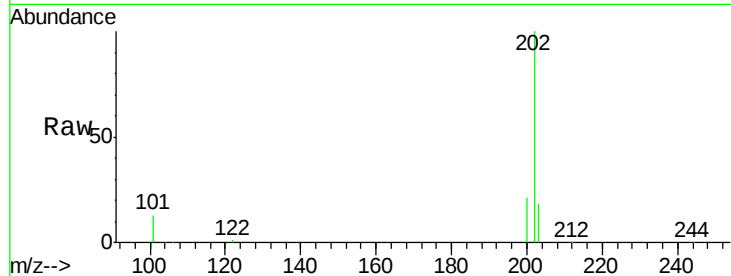
#28
Pvrene
Concen: 1.181 ng
RT: 19.51 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Instrument :
BNA_E
ClientSampleId :
SB-28-(4-6)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	18.8	13.8	20.6

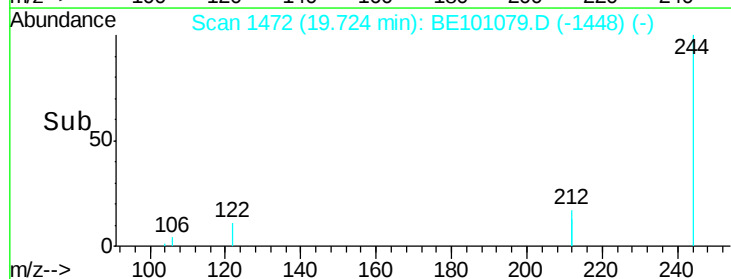
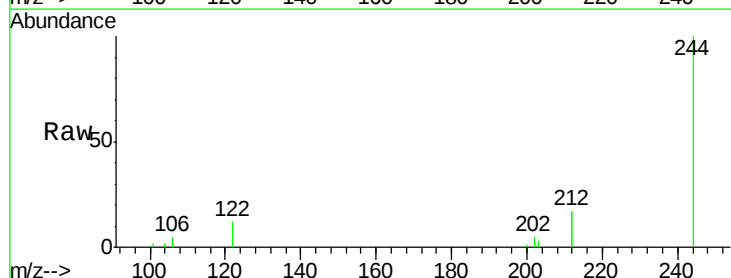
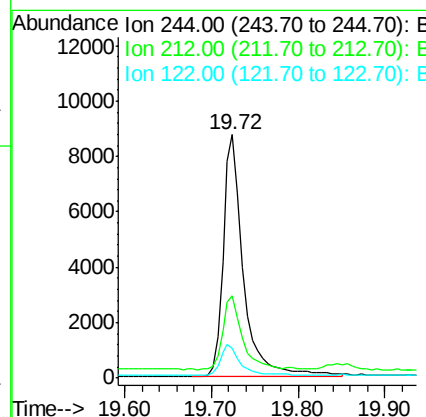
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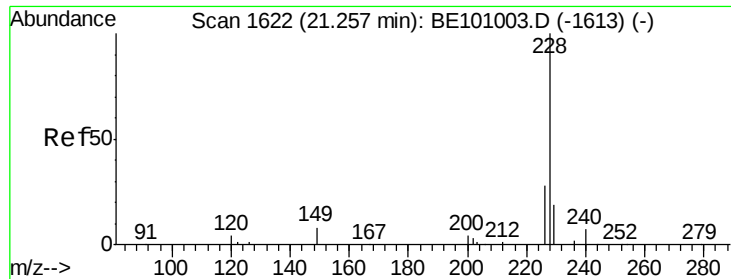
mohammad
1/17/2020 2:10:39 PM



#29
Terphenyl-d14
Concen: 0.279 ng
RT: 19.72 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	33.7	27.2	40.8
122	12.3	9.8	14.8





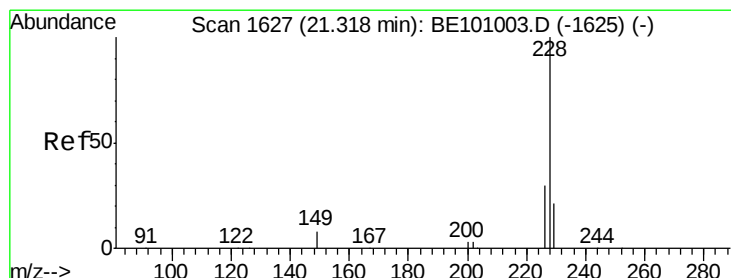
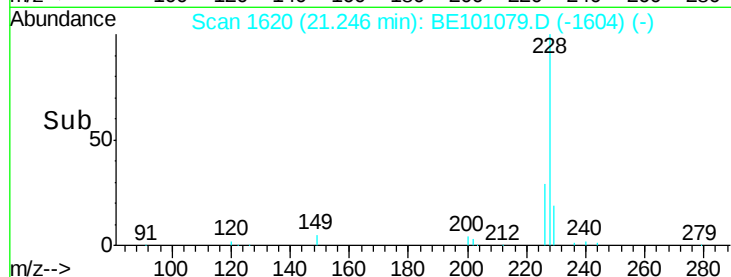
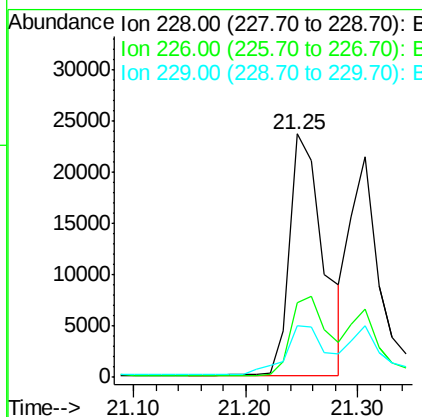
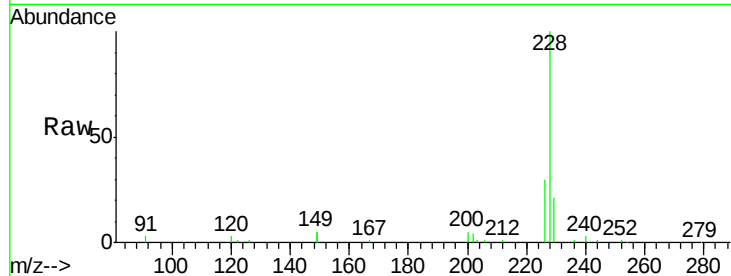
#30
Benzo(a)anthracene
Concen: 0.836 ng
RT: 21.25 min Scan# 1620
Delta R.T. -0.01 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Instrument :
BNA_E
ClientSampleId :
SB-28-(4-6)

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	30.4	22.7	34.1	
229	21.1	15.5	23.3	

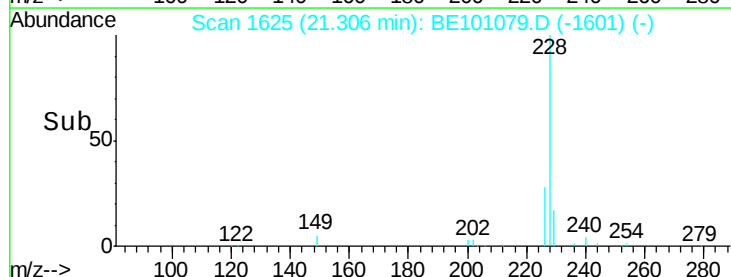
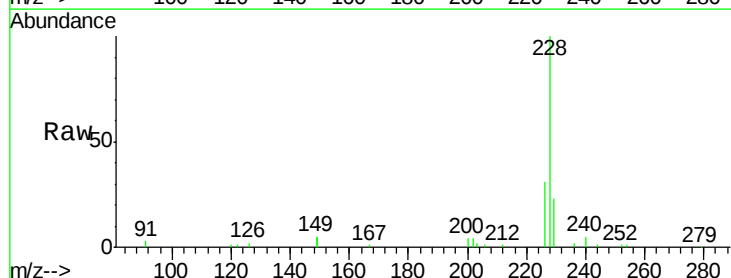
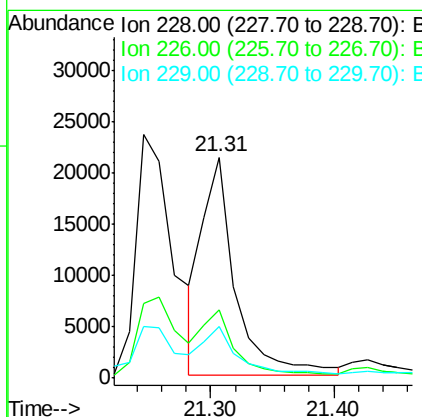
Manual Integrations
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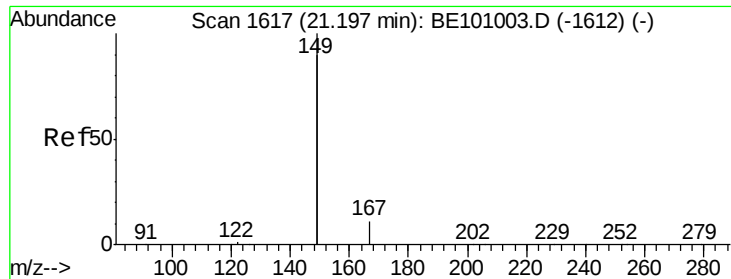
mohammad
1/17/2020 2:10:39 PM



#31
Chrysene
Concen: 0.458 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	30.7	23.5	35.3	
229	23.1	16.7	25.1	





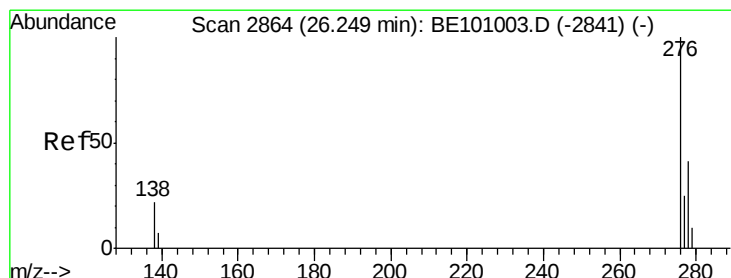
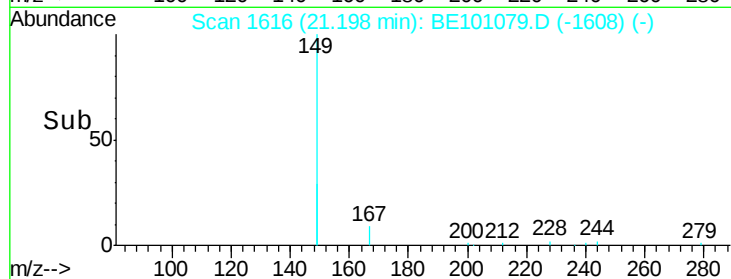
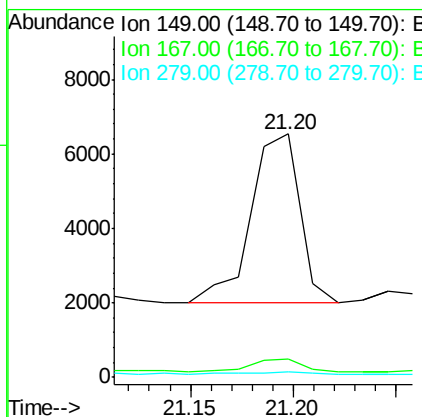
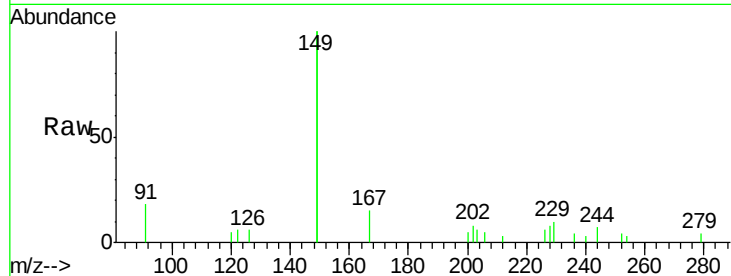
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.077 ng
 RT: 21.20 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BE101079.D
 Acq: 16 Jan 2020 17:14

Instrument :
 BNA_E
 ClientSampleId :
 SB-28-(4-6)

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.7	5.2	7.8
279	1.3	0.8	1.2

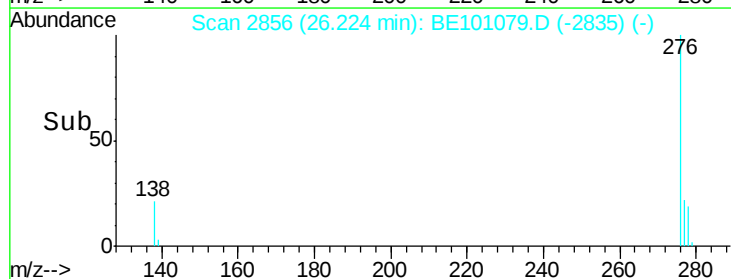
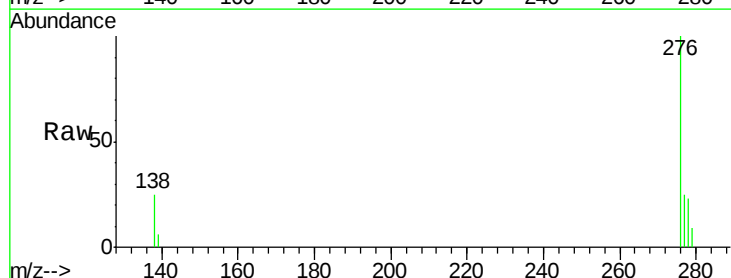
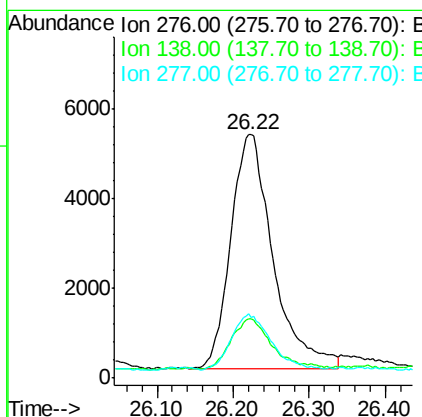
Manual Integrations
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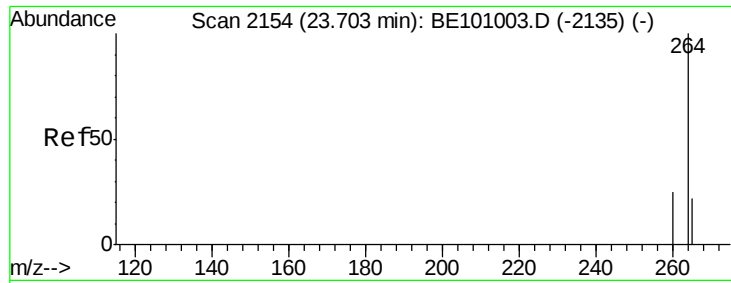
mohammad
 1/17/2020 2:10:39 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.291 ng
 RT: 26.22 min Scan# 2856
 Delta R.T. -0.03 min
 Lab File: BE101079.D
 Acq: 16 Jan 2020 17:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	16.1	24.1
277	22.4	18.1	27.1





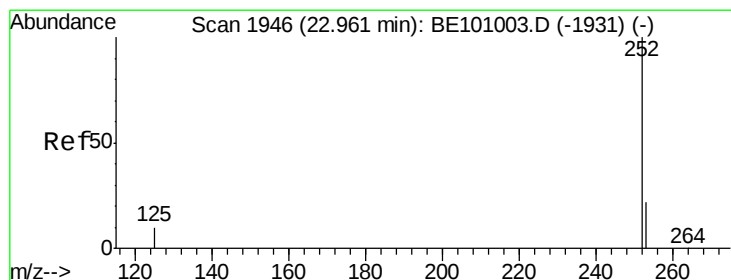
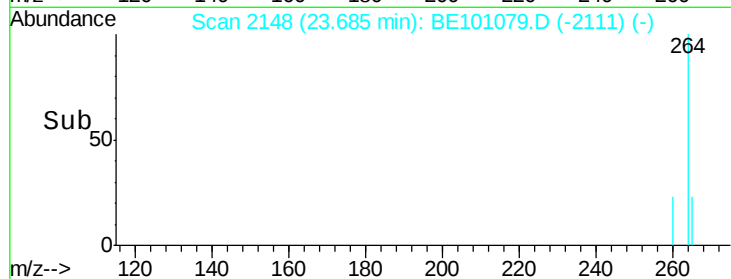
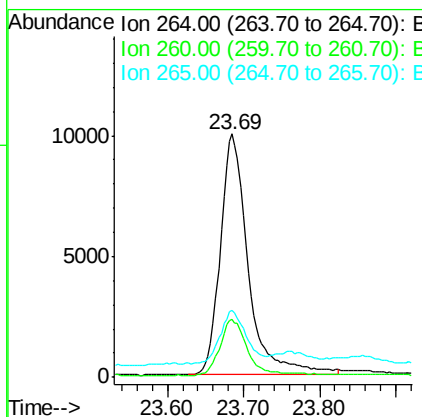
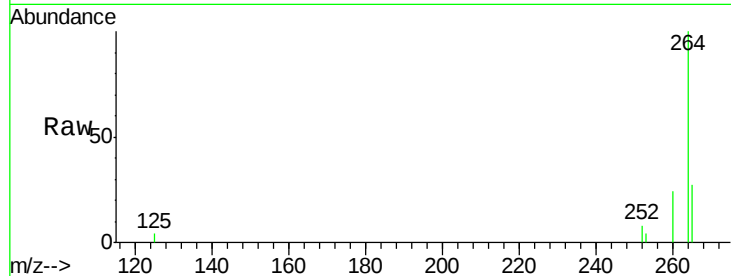
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.69 min Scan# 2148
Delta R.T. -0.02 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Instrument :
BNA_E
ClientSampleId :
SB-28-(4-6)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.3	30.5
265	27.3	27.0	40.4

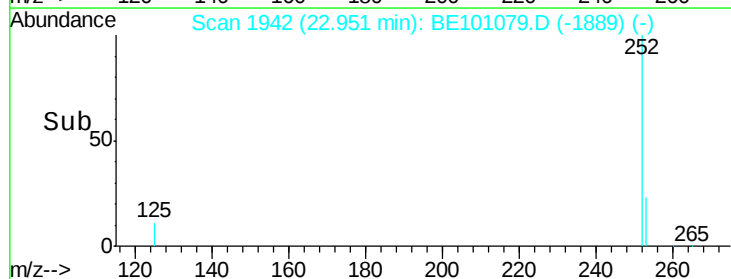
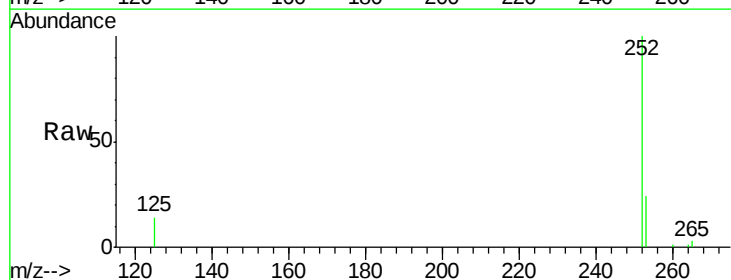
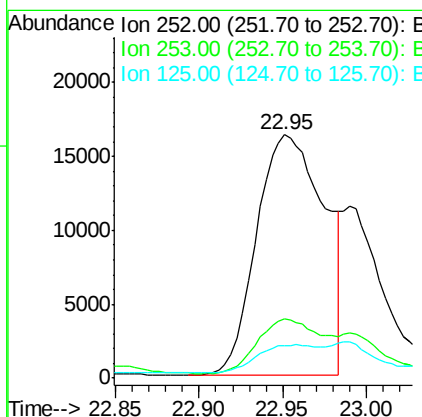
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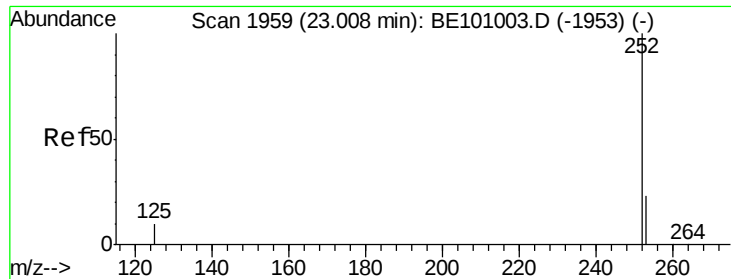
mohammad
1/17/2020 2:10:39 PM



#35
Benzo(b)fluoranthene
Concen: 0.644 ng
RT: 22.95 min Scan# 1942
Delta R.T. -0.01 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	13.6	9.5	14.3





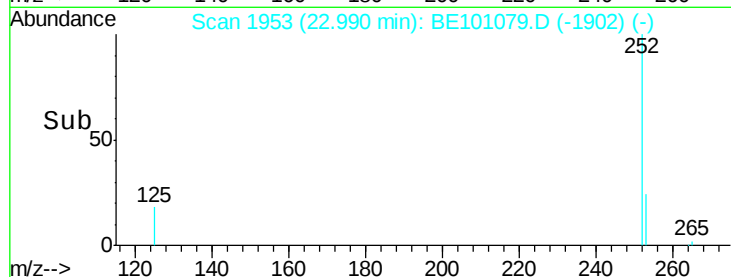
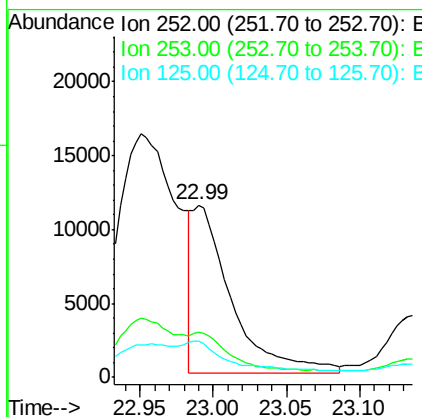
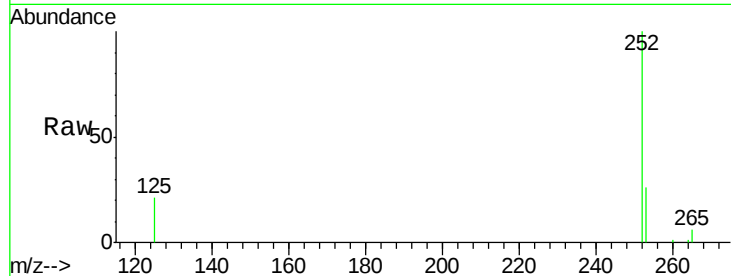
#36
Benzo(k)fluoranthene
Concen: 0.208 ng m
RT: 22.99 min Scan# 1953
Delta R.T. -0.02 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Instrument :
BNA_E
ClientSampleId :
SB-28-(4-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.9	28.3
125	20.7	10.1	15.1

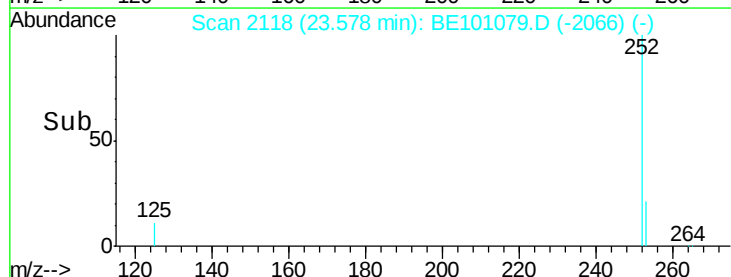
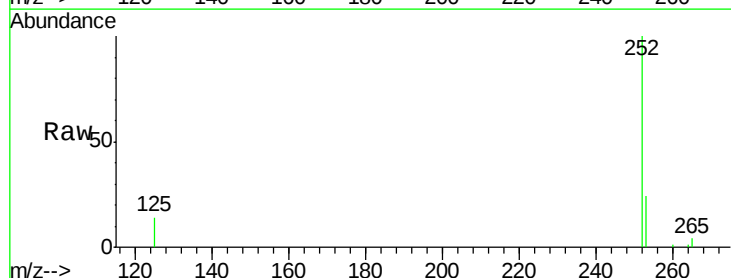
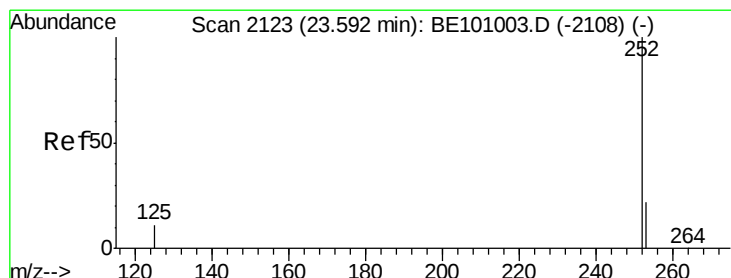
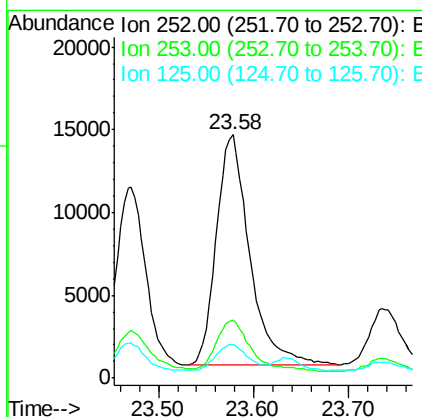
Manual Integrations
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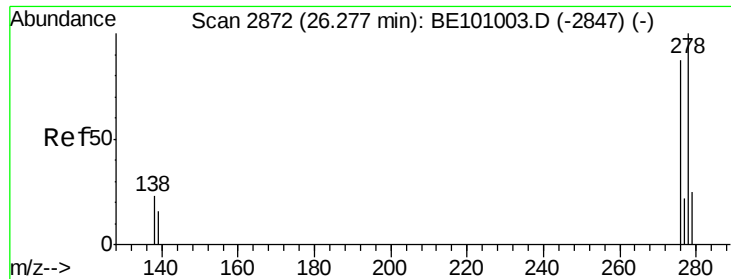
mohammad
1/17/2020 2:10:39 PM



#37
Benzo(a)pyrene
Concen: 0.489 ng
RT: 23.58 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.4	29.2
125	13.7	11.8	17.6





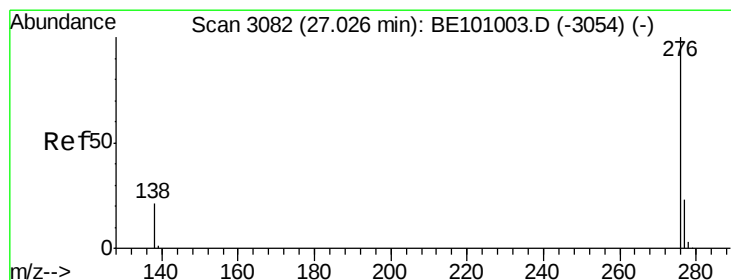
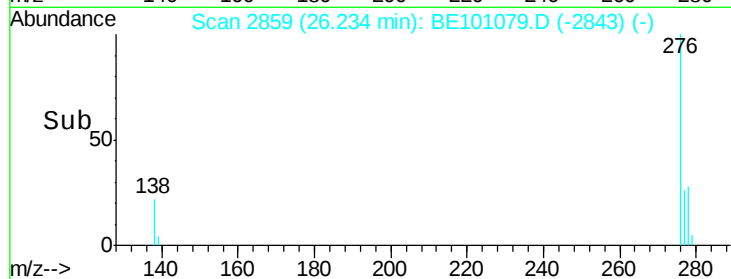
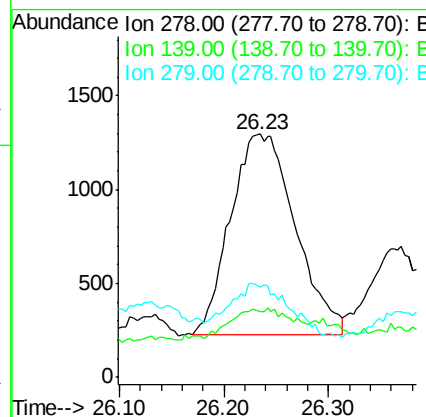
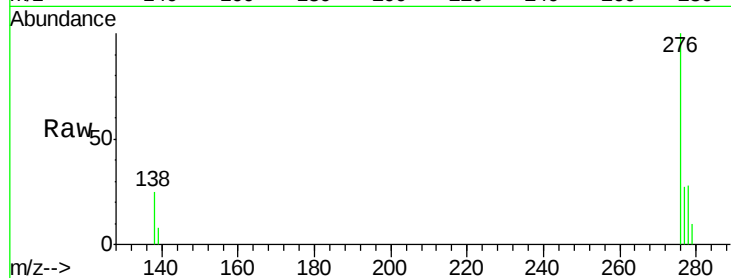
#38
Dibenzo(a,h)anthracene
Concen: 0.073 ng
RT: 26.23 min Scan# 2859
Delta R.T. -0.04 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Instrument :
BNA_E
ClientSampleId :
SB-28-(4-6)

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.1	15.0	22.4#
279	36.8	22.6	33.8#

Manual Integrations
APPROVED

mohammad
1/17/2020 2:10:39 PM



#39
Benzo(g,h,i)perylene
Concen: 0.274 ng
RT: 27.00 min Scan# 3075
Delta R.T. -0.02 min
Lab File: BE101079.D
Acq: 16 Jan 2020 17:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.4	29.2
138	24.3	17.9	26.9

