

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011720\
 Data File : BE101093.D
 Acq On : 17 Jan 2020 20:11
 Operator : JU
 Sample : L1167-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PF-3

Manual Integrations
 APPROVED

mohammad
 1/21/2020 7:57:40 AM

Quant Time: Jan 20 10:24:07 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	7.73	152	1126	0.40	ng	0.00
7) Naphthalene-d8	10.50	136	4660	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	4241	0.40	ng	0.00
19) Phenanthrene-d10	17.10	188	14937	0.40	ng	0.00
27) Chrysene-d12	21.27	240	24880	0.40	ng	-0.01
34) Perylene-d12	23.68	264	24948	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.33	112	1441	0.57	ng	0.00
5) Phenol-d6	6.90	99	1860	0.58	ng	-0.02
8) Nitrobenzene-d5	8.87	82	1360	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	3638	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	15.85	330	439	0.37	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	5633	0.35	ng	-0.01
25) Fluoranthene-d10	19.12	212	109679	0.53	ng	-0.01
29) Terphenyl-d14	19.72	244	22972	0.38	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.55	128	2822	0.055	ng	# 87
12) 2-Methylnaphthalene	12.18	142	392	0.050	ng	# 75
16) Acenaphthylene	14.07	152	807	0.047	ng	# 89
18) Fluorene	15.39	166	673	0.043	ng	97
23) Phenanthrene	17.14	178	6579	0.161	ng	99
24) Anthracene	17.23	178	1931m	0.050	ng	
26) Fluoranthene	19.15	202	7113	0.139	ng	99
28) Pyrene	19.51	202	10415	0.112	ng	99
30) Benzo(a)anthracene	21.26	228	4888	0.069	ng	# 79
31) Chrysene	21.31	228	5178	0.049	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.20	149	12081	0.102	ng	100
35) Benzo(b)fluoranthene	22.95	252	3573	0.051	ng	# 63
36) Benzo(k)fluoranthene	22.99	252	2618m	0.026	ng	
37) Benzo(a)pyrene	23.58	252	3164	0.047	ng	# 62
39) Benzo(a,h,i)perylene	27.00	276	2327	0.030	ng	# 75

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

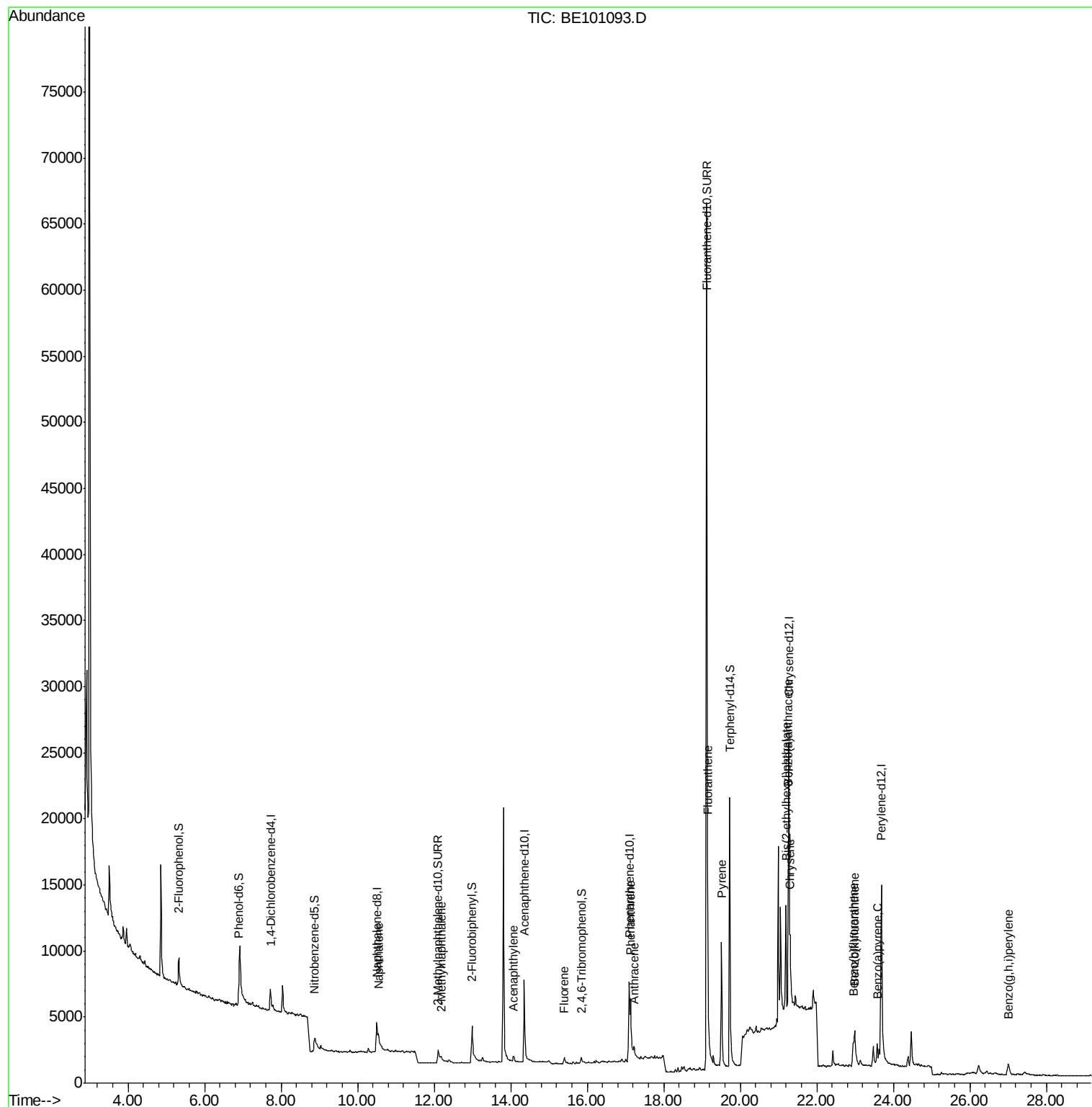
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011720\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

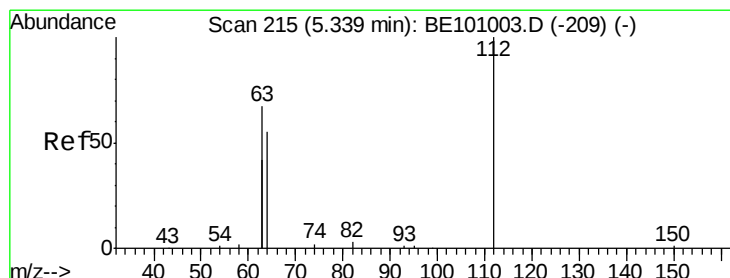
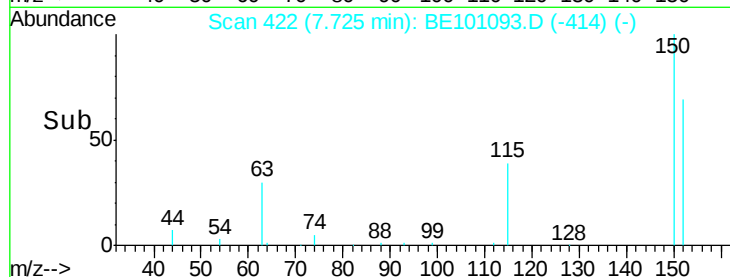
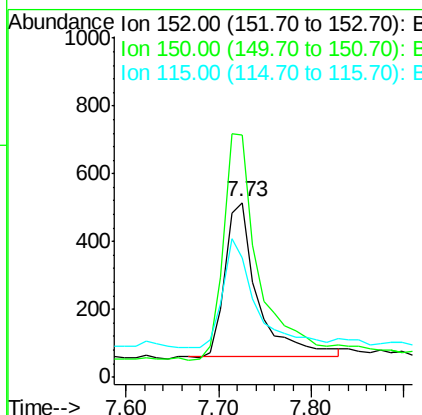
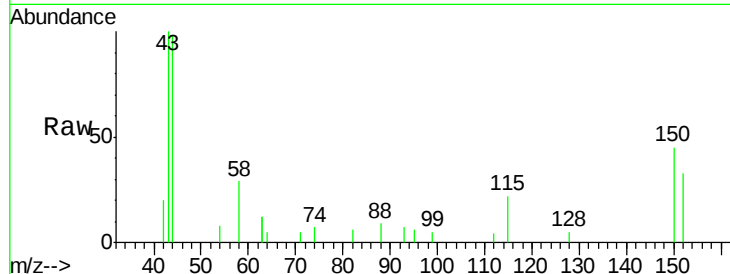
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101093.D
Acq: 17 Jan 2020 20:11

Instrument :
BNA_E
ClientSampled :
PF-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.6	120.3	180.5
115	68.5	51.7	77.5

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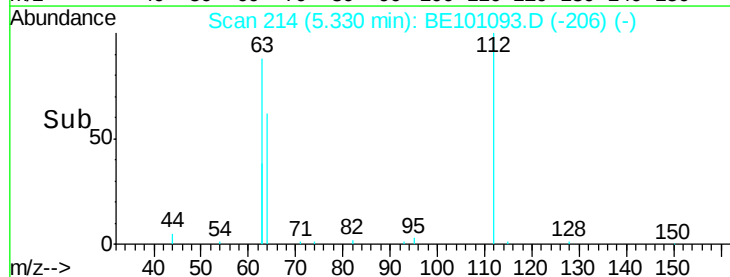
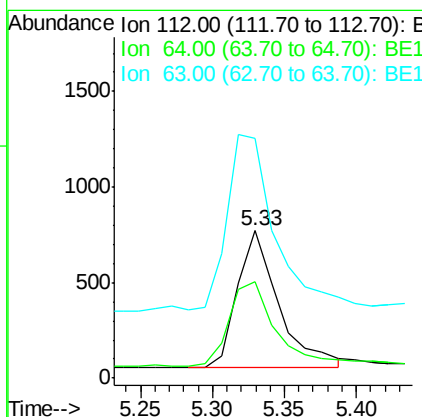
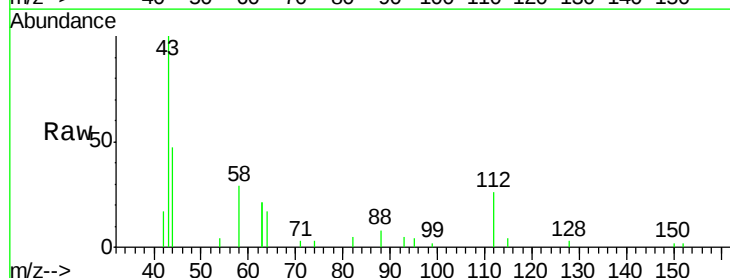
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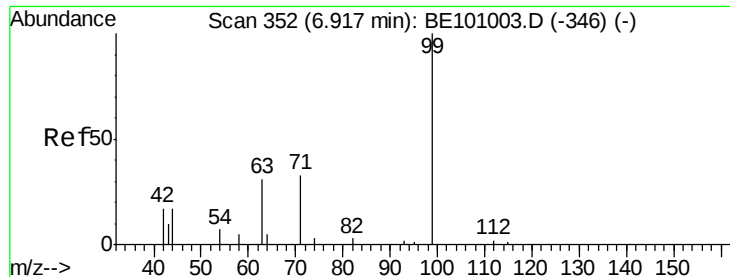


#4

2-Fluorophenol
Concen: 0.569 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101093.D
Acq: 17 Jan 2020 20:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	53.6	80.4
63	144.1	114.6	172.0





#5

Phenol-d6

Concen: 0.580 ng

RT: 6.90 min Scan# 350

Delta R.T. -0.02 min

Lab File: BE101093.D

Acq: 17 Jan 2020 20:11

Instrument :

BNA_E

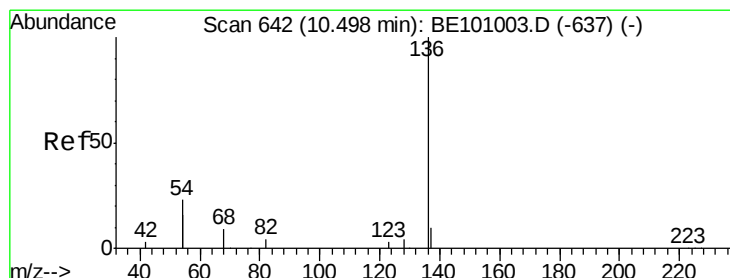
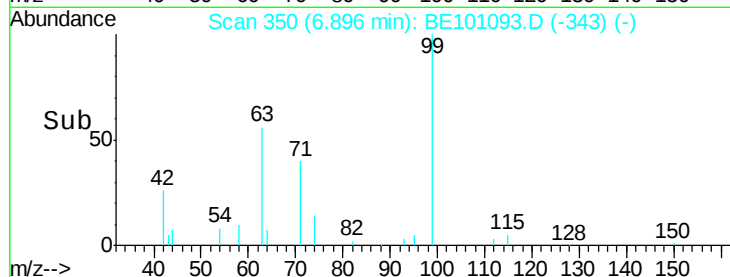
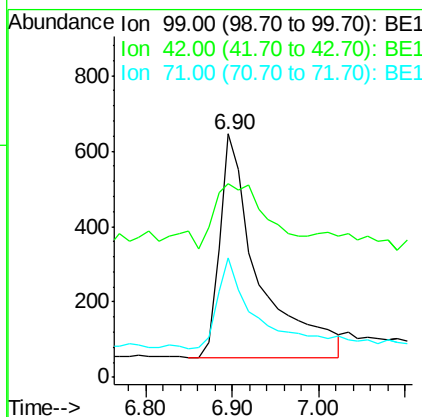
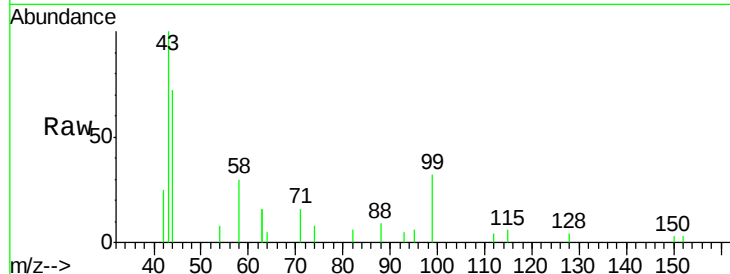
ClientSampled :

PF-3

Tot Ion:	99	Resp:	1860
Ion	Ratio	Lower	Upper
99	100		
42	39.1	18.3	27.5#
71	41.1	28.0	42.0

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#7

Naphthalene-d8

Concen: 0.400 ng

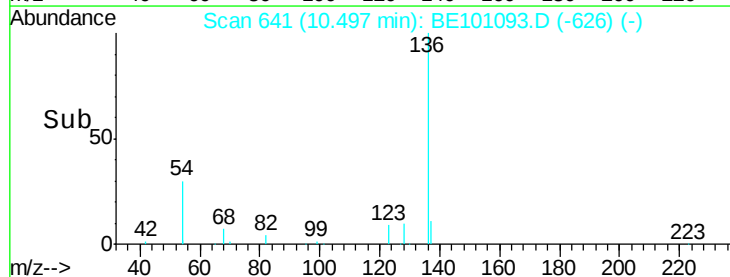
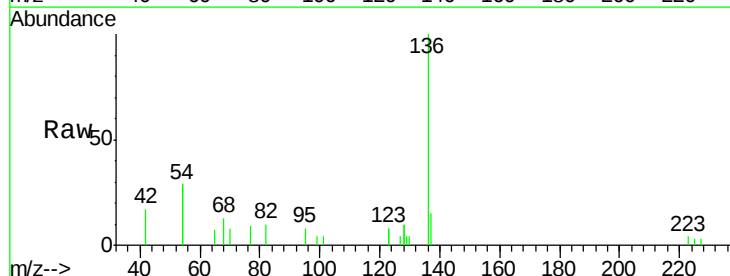
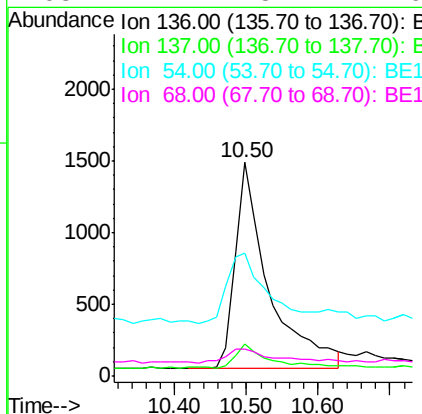
RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101093.D

Acq: 17 Jan 2020 20:11

Tgt Ion:	136	Resp:	4660
Ion	Ratio	Lower	Upper
136	100		
137	14.8	9.3	13.9#
54	57.3	36.8	55.2#
68	12.7	8.4	12.6#





#8

Nitrobenzene-d5

Concen: 0.408 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101093.D

Acq: 17 Jan 2020 20:11

Instrument :

BNA_E

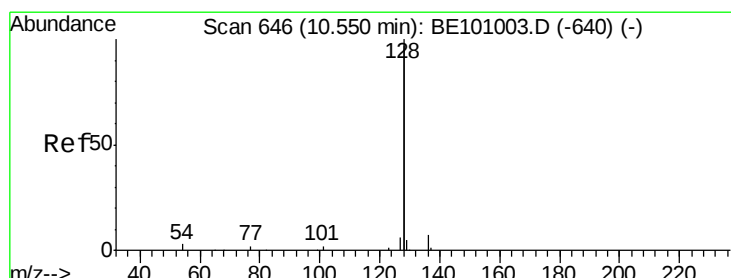
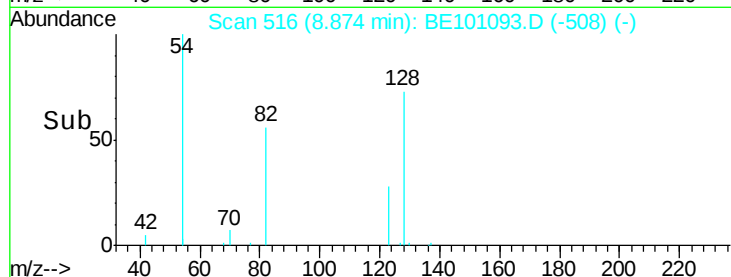
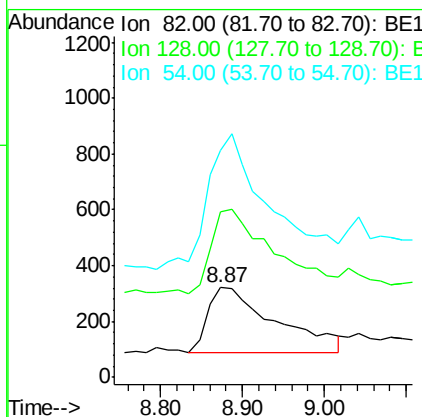
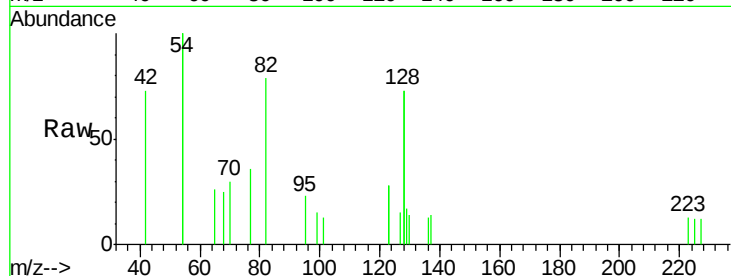
ClientSampled :

PF-3

Tot Ion	82	Resp	1360
Ion	Ratio	Lower	Upper
82	100		
128	184.5	109.8	164.6#
54	252.8	174.5	261.7

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#9

Naphthalene

Concen: 0.055 ng

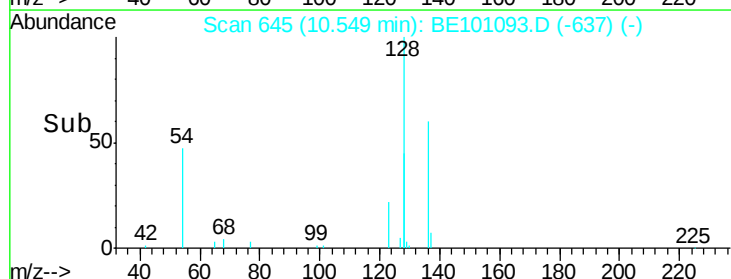
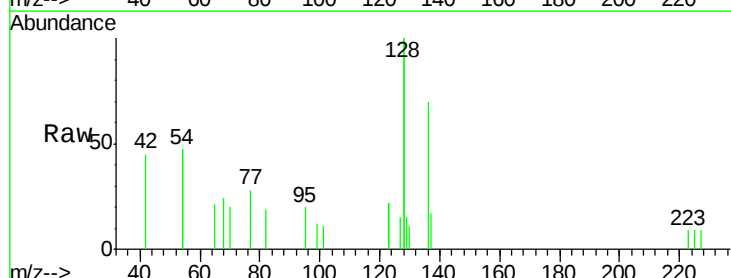
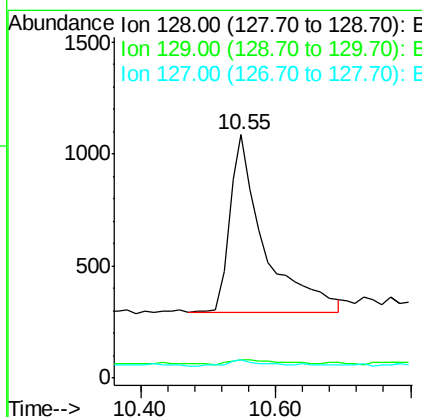
RT: 10.55 min Scan# 645

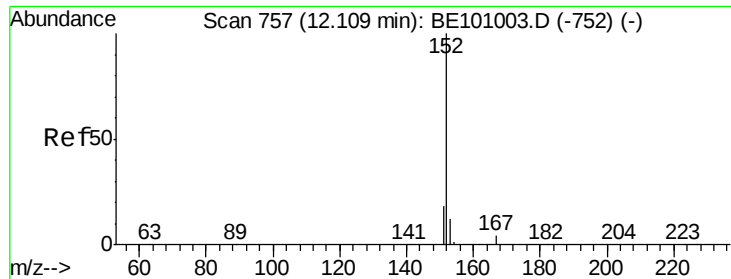
Delta R.T. -0.00 min

Lab File: BE101093.D

Acq: 17 Jan 2020 20:11

Tgt Ion	128	Resp	2822
Ion	Ratio	Lower	Upper
128	100		
129	7.5	2.3	3.5#
127	7.5	2.7	4.1#





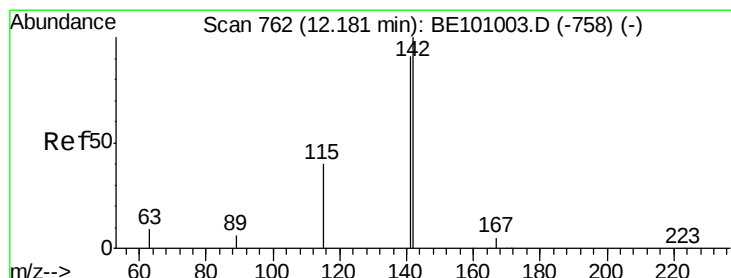
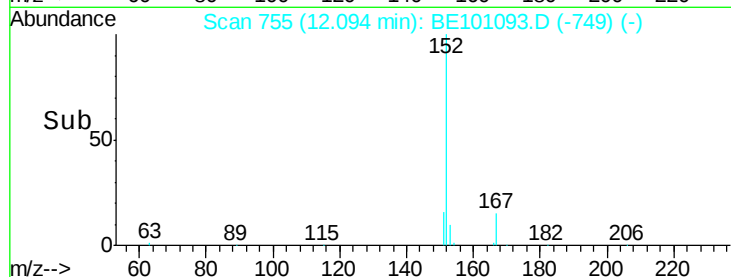
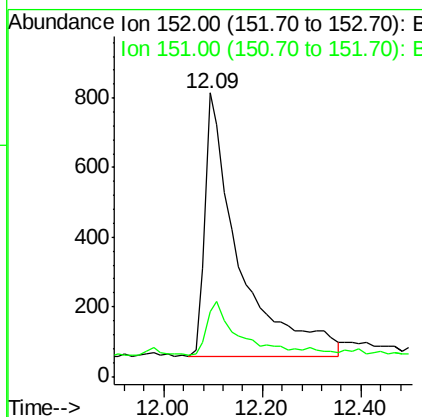
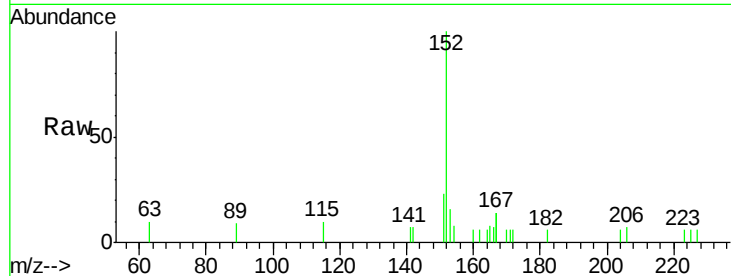
#11
 2-Methylnaphthalene-d10
 Concen: 0.409 ng
 RT: 12.09 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BE101093.D
 Acq: 17 Jan 2020 20:11

Instrument :
 BNA_E
 ClientSampleId :
 PF-3

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.2	15.0	22.6

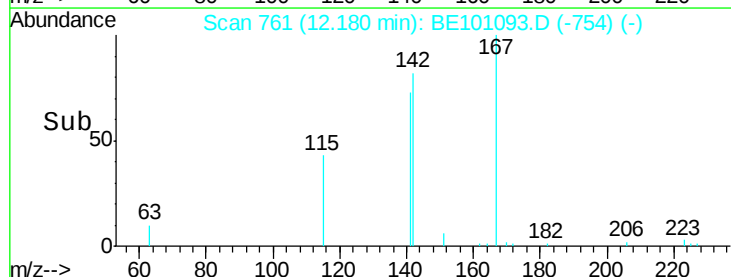
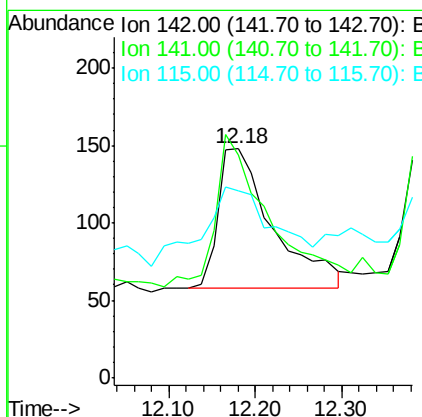
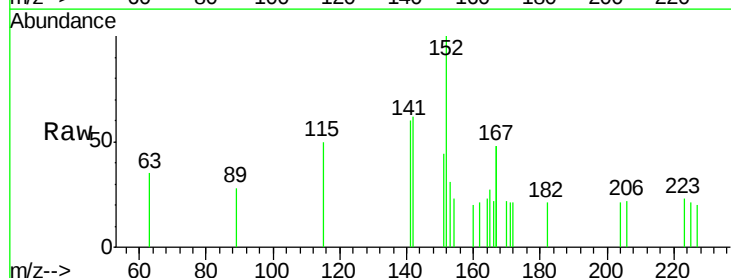
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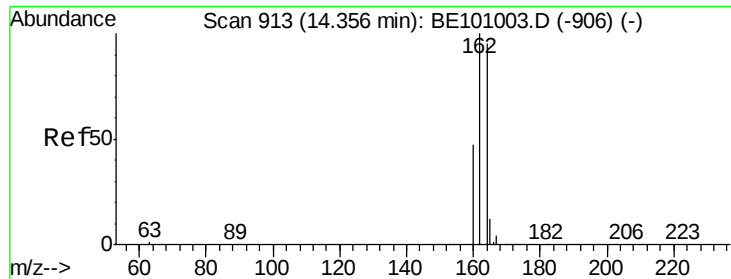
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#12
 2-Methylnaphthalene
 Concen: 0.050 ng
 RT: 12.18 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BE101093.D
 Acq: 17 Jan 2020 20:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	97.3	72.5	108.7
115	81.8	33.0	49.6





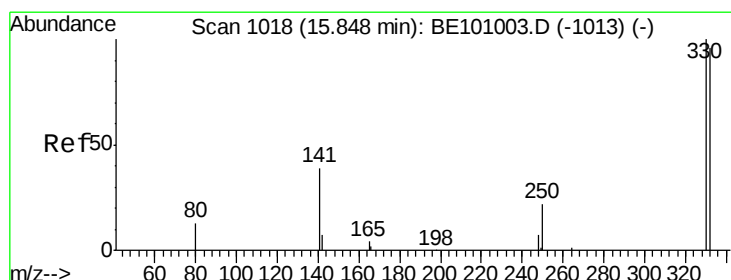
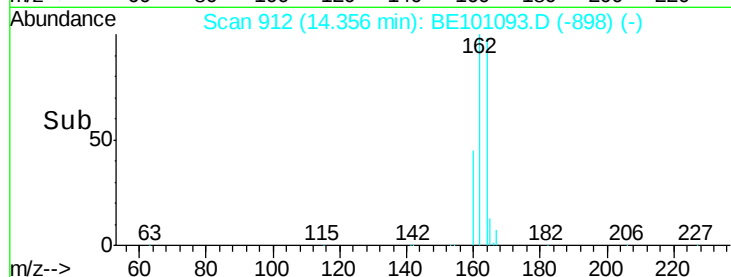
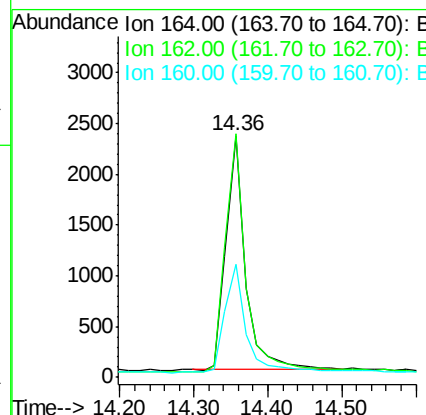
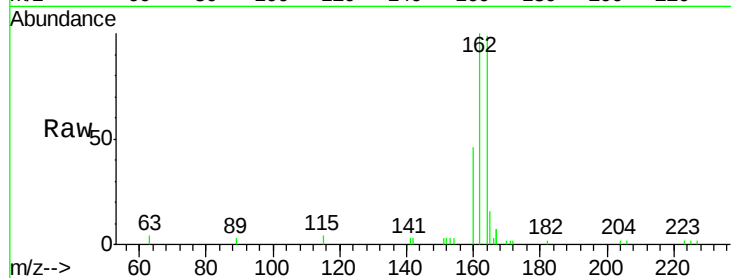
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101093.D
Acq: 17 Jan 2020 20:11

Instrument :
BNA_E
ClientSampleId :
PF-3

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	84.1	126.1
160	46.7	40.4	60.6

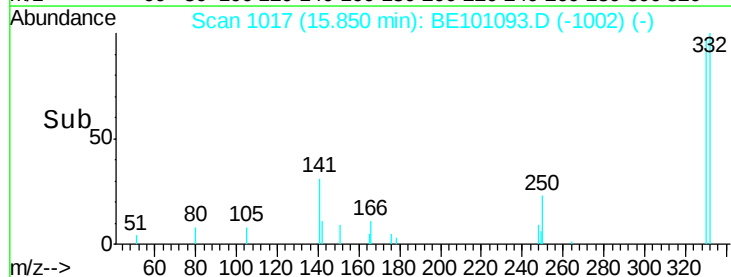
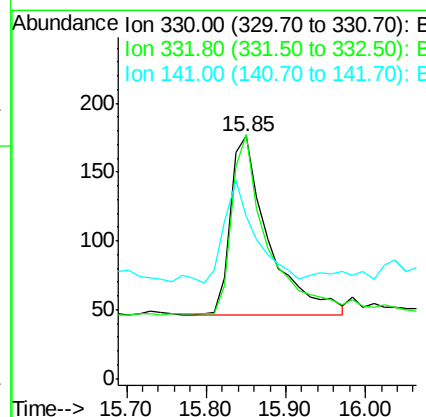
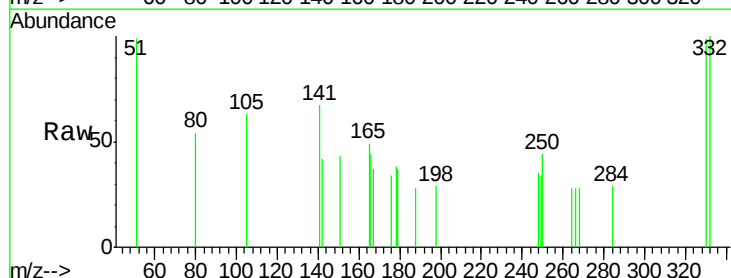
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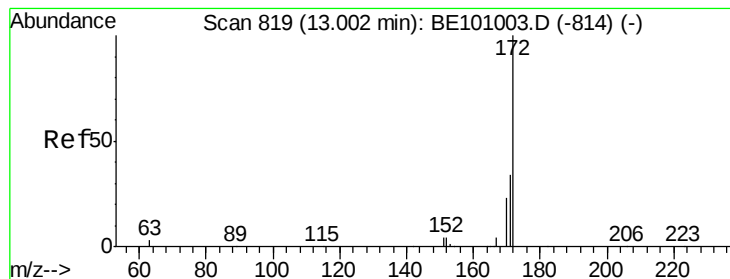
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#14
2,4,6-Tribromophenol
Concen: 0.367 ng
RT: 15.85 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE101093.D
Acq: 17 Jan 2020 20:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.2	78.4	117.6
141	46.9	37.0	55.4





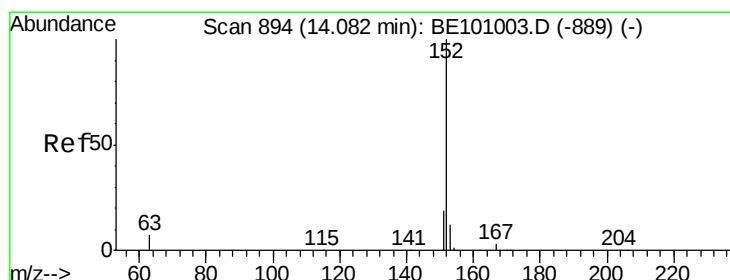
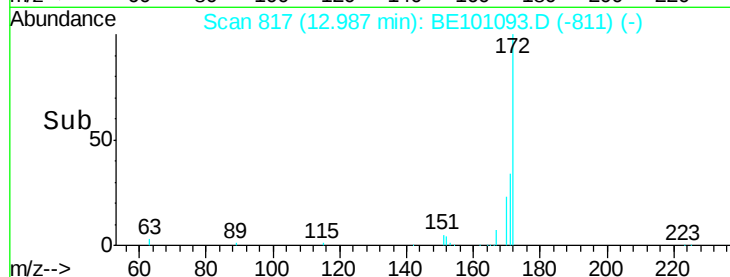
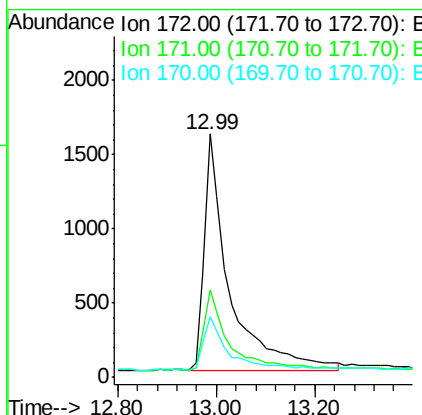
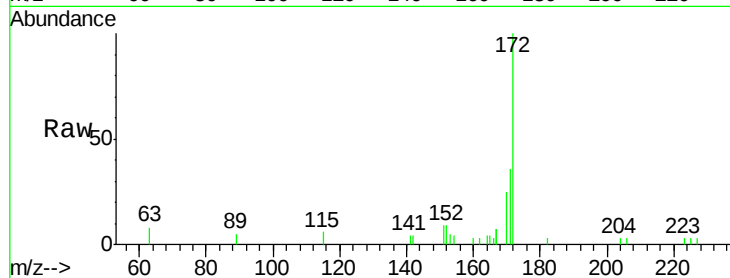
#15
2-Fluorobiphenyl
Concen: 0.350 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.01 min
Lab File: BE101093.D
Acq: 17 Jan 2020 20:11

Instrument :
BNA_E
ClientSampleId :
PF-3

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.2
170	25.1	18.9	28.3

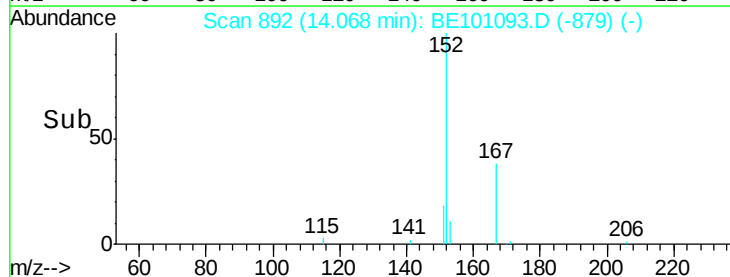
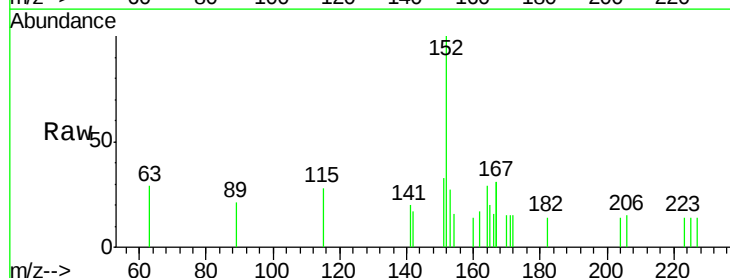
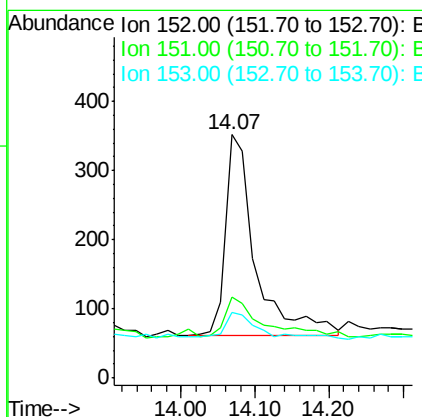
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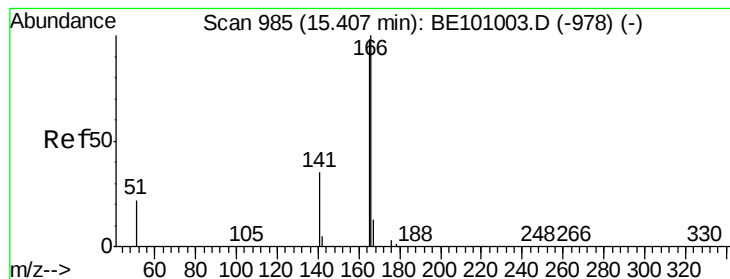
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#16
Acenaphthylene
Concen: 0.047 ng
RT: 14.07 min Scan# 892
Delta R.T. -0.01 min
Lab File: BE101093.D
Acq: 17 Jan 2020 20:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	25.4	15.5	23.3#
153	16.4	10.4	15.6#





#18

Fluorene

Concen: 0.043 ng

RT: 15.39 min Scan# 983

Delta R.T. -0.01 min

Lab File: BE101093.D

Acq: 17 Jan 2020 20:11

Instrument :

BNA_E

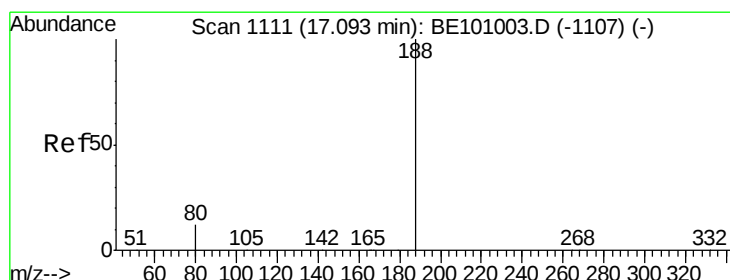
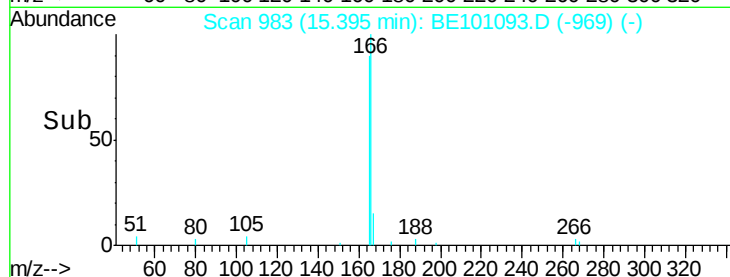
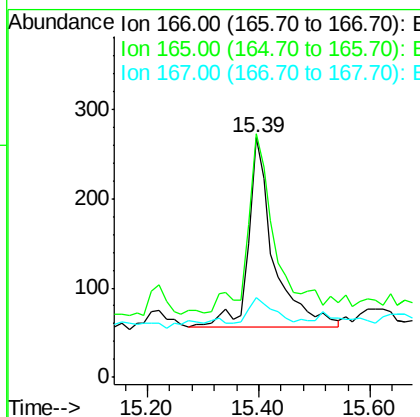
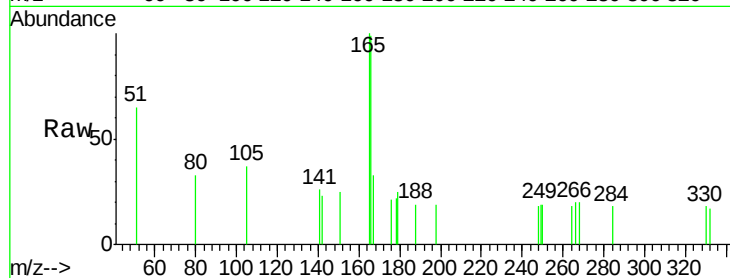
ClientSampleId :

PF-3

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.4	79.8	119.8
167	14.4	11.0	16.6

Manual Integrations
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#19

Phenanthrene-d10

Concen: 0.400 ng

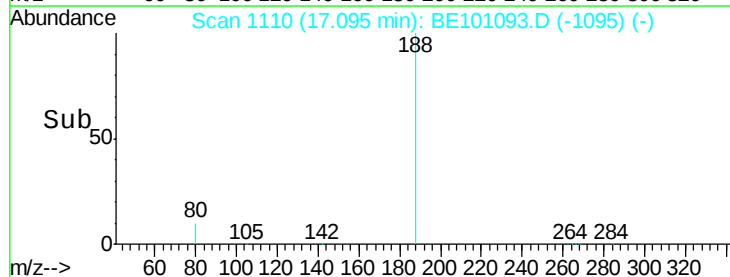
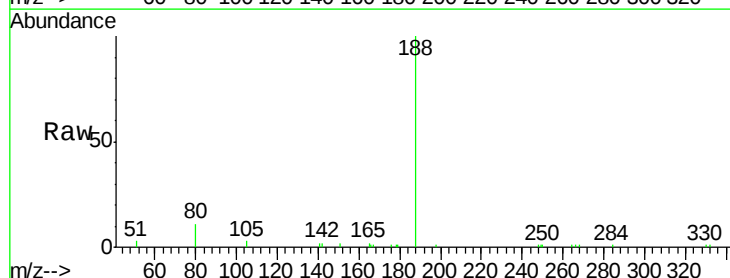
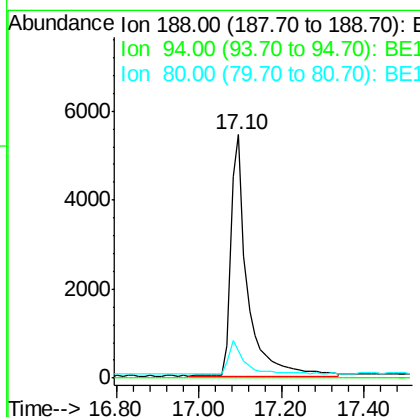
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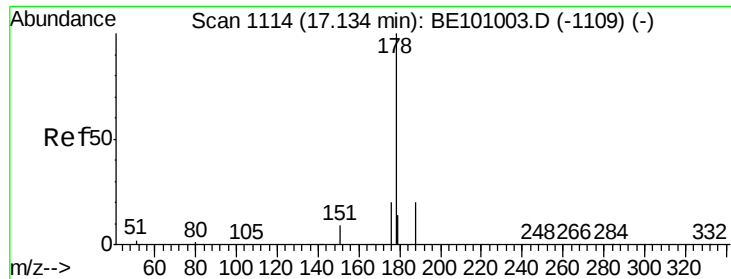
Delta R.T. 0.00 min

Lab File: BE101093.D

Acq: 17 Jan 2020 20:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.4	10.8	16.2





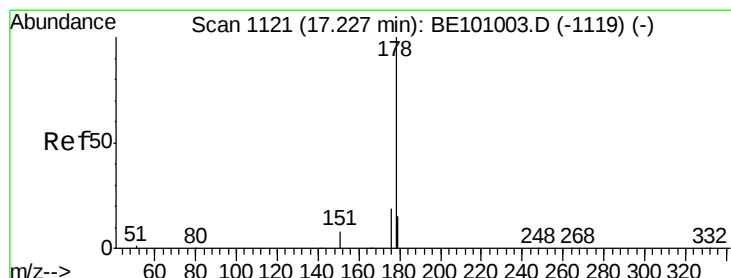
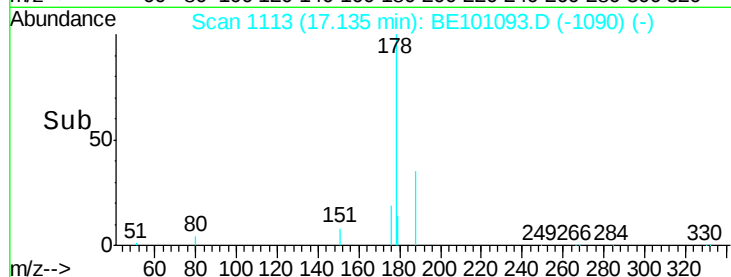
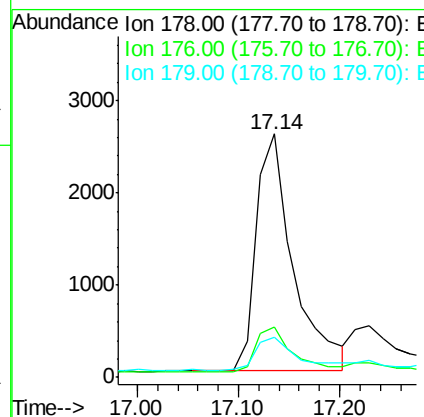
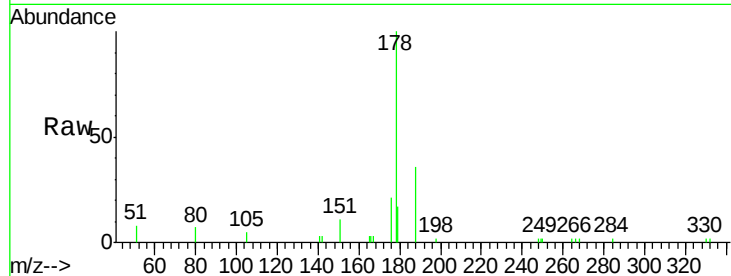
#23
Phenanthrene
Concen: 0.161 ng
RT: 17.14 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE101093.D
Acq: 17 Jan 2020 20:11

Instrument :
BNA_E
ClientSampleId :
PF-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	15.3	12.0	18.0

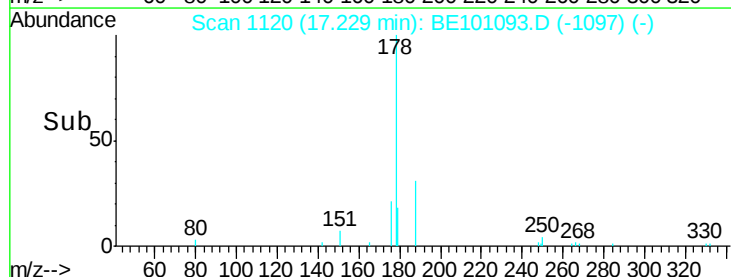
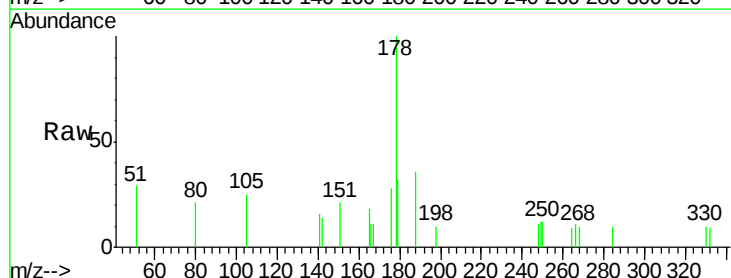
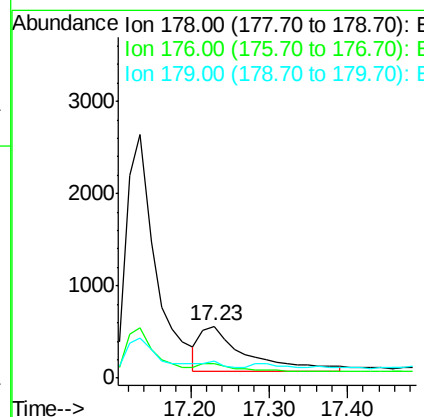
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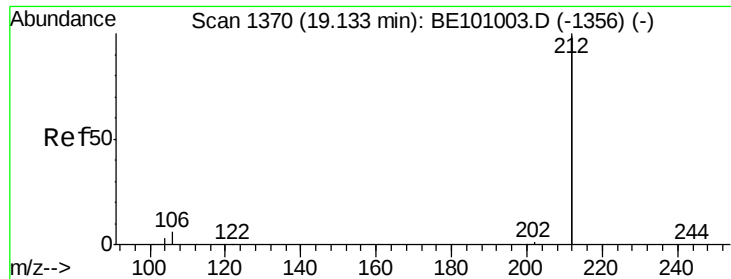
mohammad
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#24
Anthracene
Concen: 0.050 ng m
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE101093.D
Acq: 17 Jan 2020 20:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	65.3	14.8	22.2#
179	52.1	12.4	18.6#





#25

Fluoranthene-d10

Concen: 0.529 ng

RT: 19.12 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BE101093.D

Acq: 17 Jan 2020 20:11

Instrument :

BNA_E

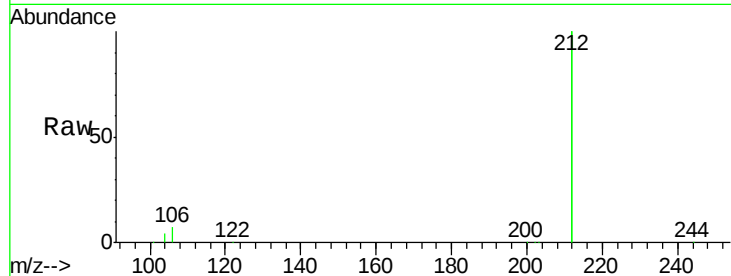
ClientSampleId :

PF-3

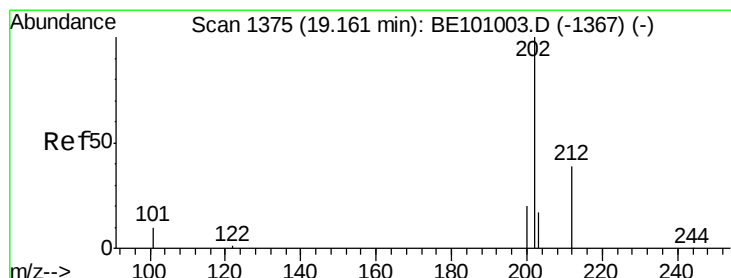
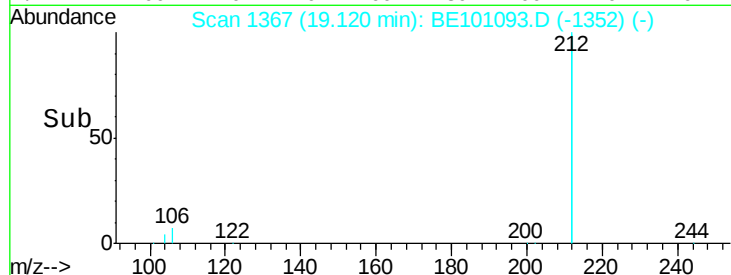
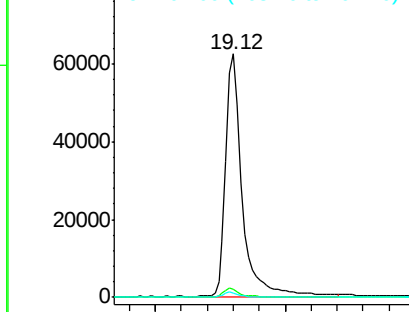
Tot Ion:	212	Resp:	109679
Ion Ratio	Lower	Upper	
212	100		
106	3.5	2.6	3.8
104	2.0	1.4	2.0

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.139 ng

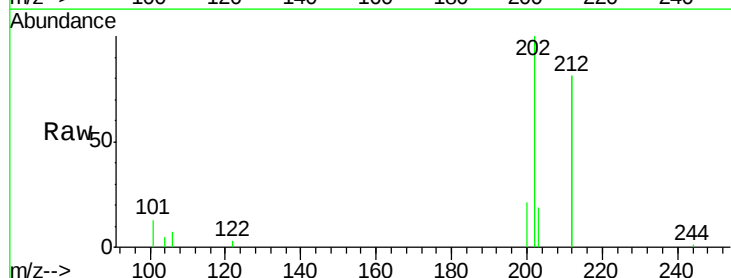
RT: 19.15 min Scan# 1372

Delta R.T. -0.01 min

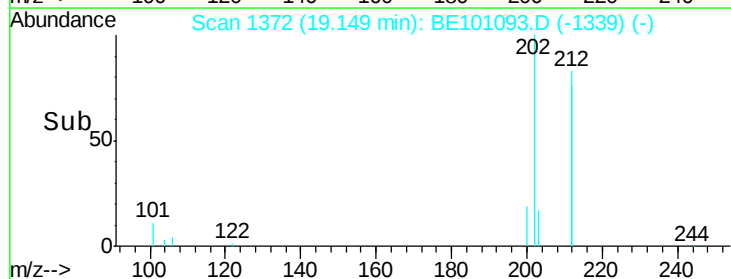
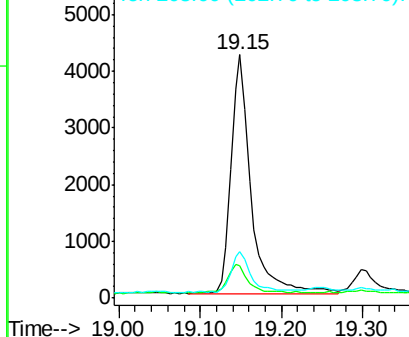
Lab File: BE101093.D

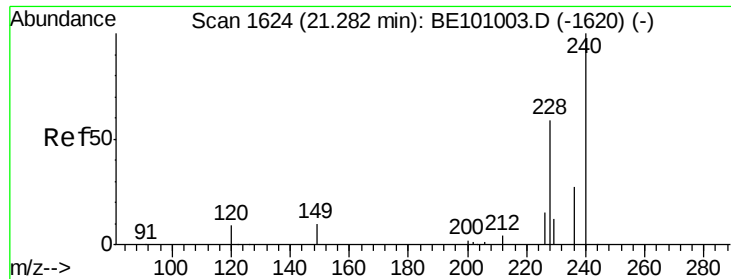
Acq: 17 Jan 2020 20:11

Tgt Ion:	202	Resp:	7113
Ion Ratio	Lower	Upper	
202	100		
101	12.1	9.6	14.4
203	17.5	13.8	20.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





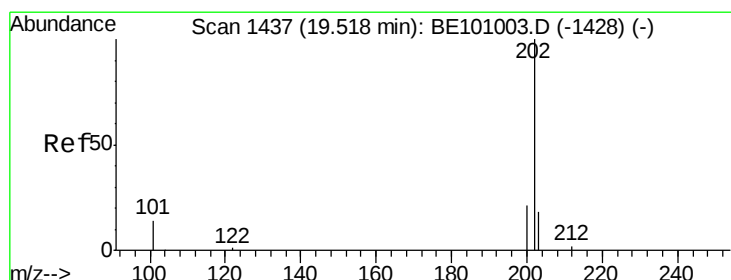
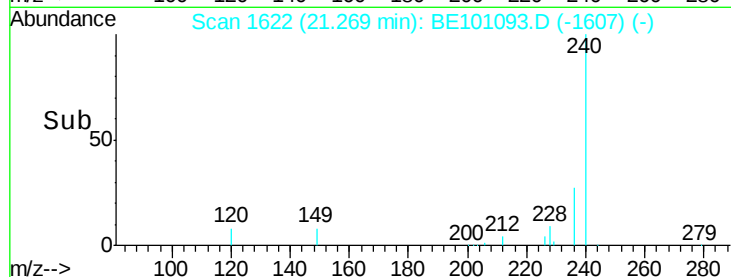
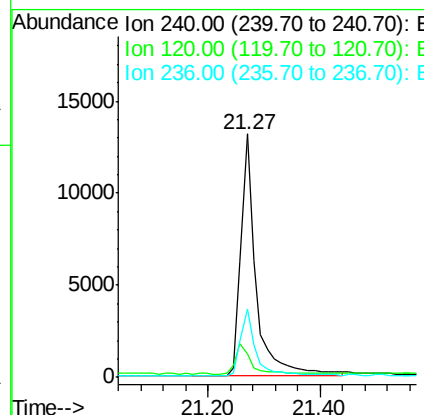
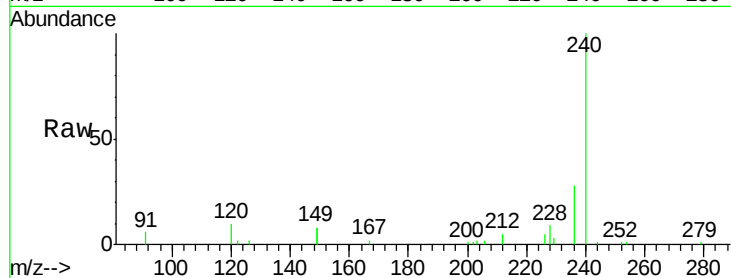
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BE101093.D
 Acq: 17 Jan 2020 20:11

Instrument :
 BNA_E
 ClientSampleId :
 PF-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.6	13.0
236	27.9	22.2	33.4

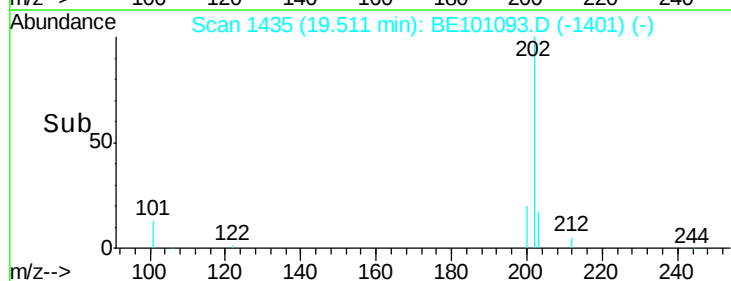
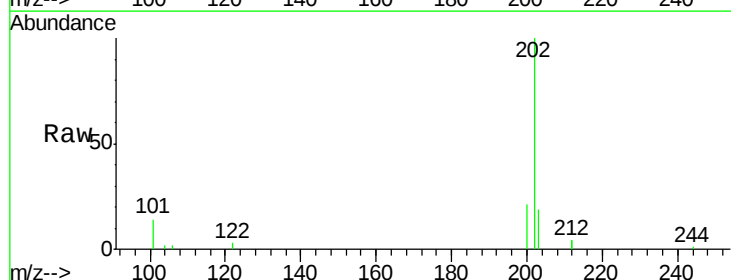
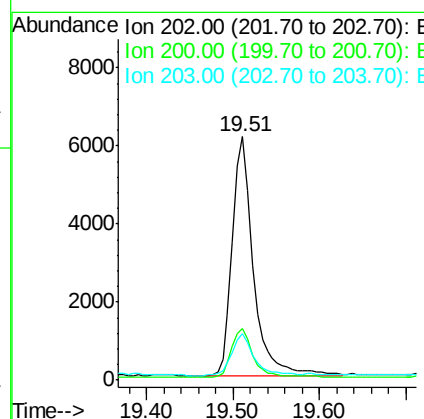
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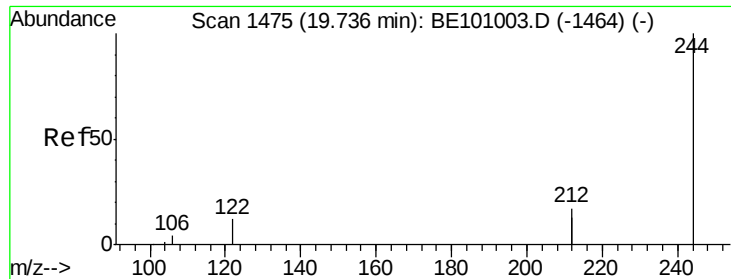
mohammad
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#28
 Pyrene
 Concen: 0.112 ng
 RT: 19.51 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BE101093.D
 Acq: 17 Jan 2020 20:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	18.0	13.8	20.6





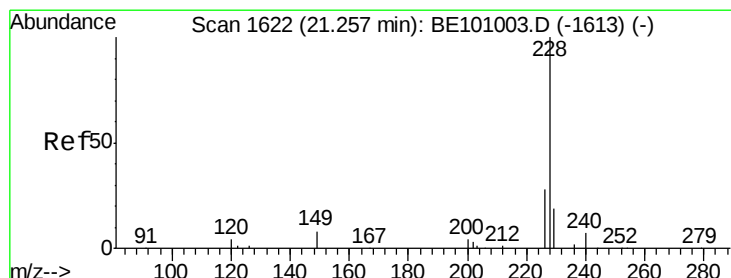
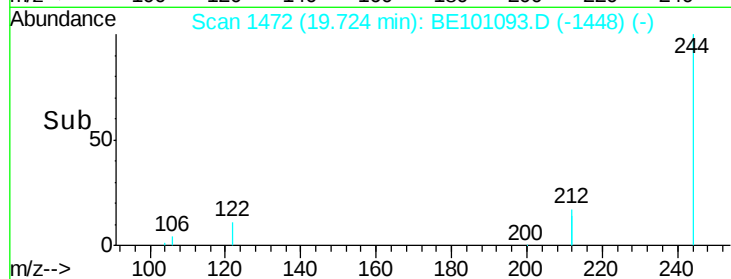
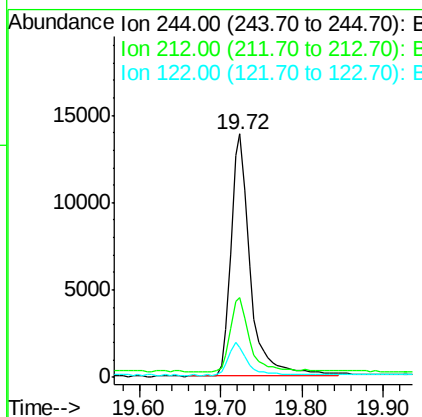
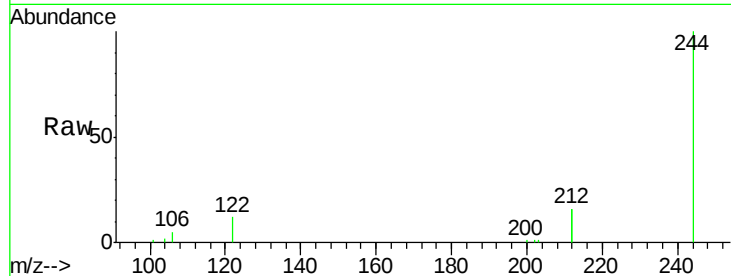
#29
 Terphenyl-d14
 Concen: 0.376 ng
 RT: 19.72 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BE101093.D
 Acq: 17 Jan 2020 20:11

Instrument :
 BNA_E
 ClientSampleId :
 PF-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	33.0	27.2	40.8
122	12.1	9.8	14.8

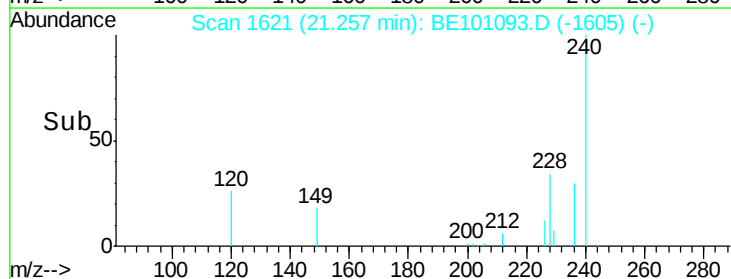
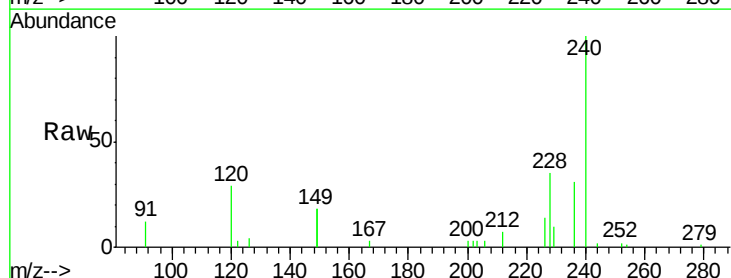
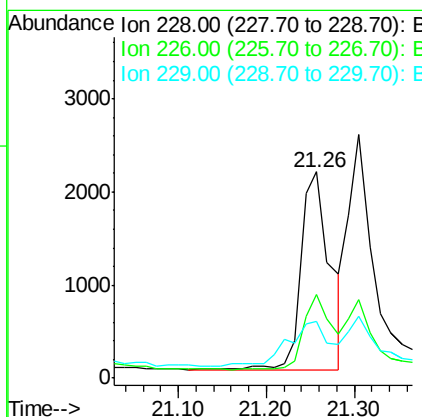
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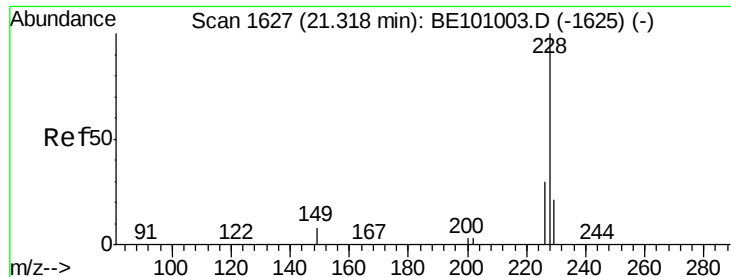
mohammad
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#30
 Benzo(a)anthracene
 Concen: 0.069 ng
 RT: 21.26 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: BE101093.D
 Acq: 17 Jan 2020 20:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.8	22.7	34.1#
229	27.5	15.5	23.3#





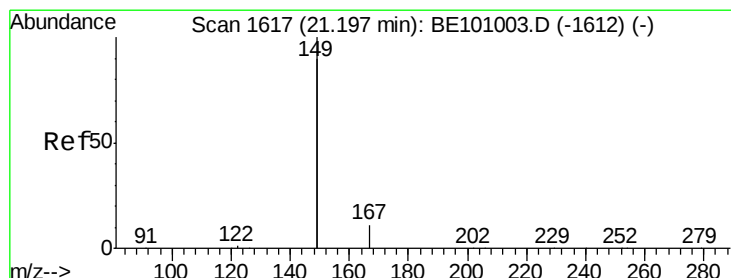
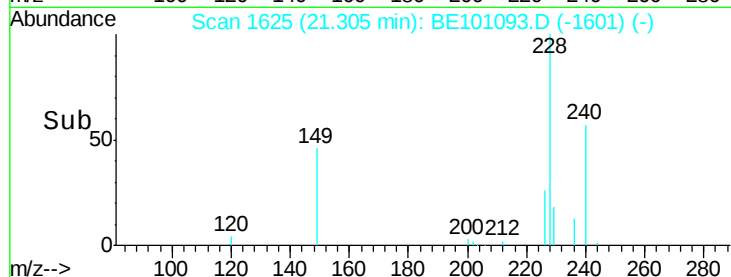
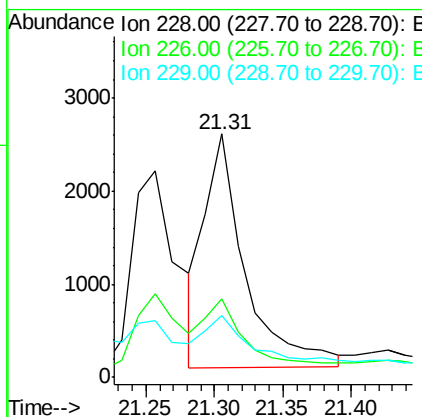
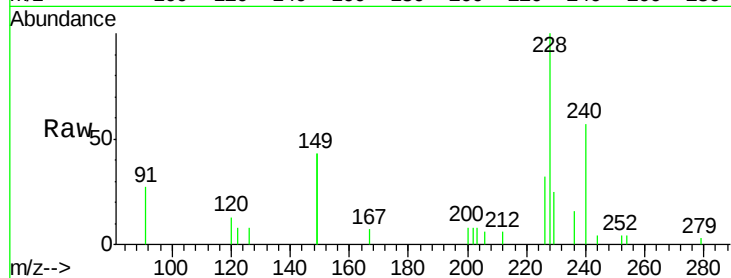
#31
 Chrysene
 Concen: 0.049 ng
 RT: 21.31 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: BE101093.D
 Acq: 17 Jan 2020 20:11

Instrument :
 BNA_E
 ClientSampleId :
 PF-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	23.5	35.3
229	25.3	16.7	25.1

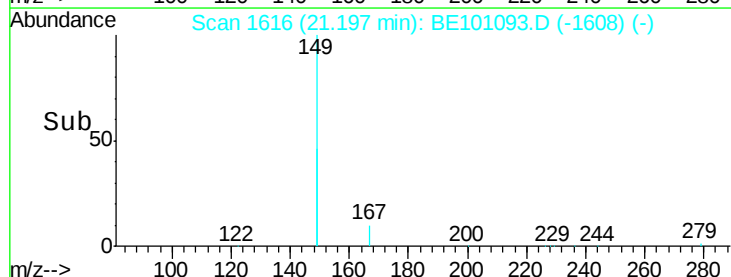
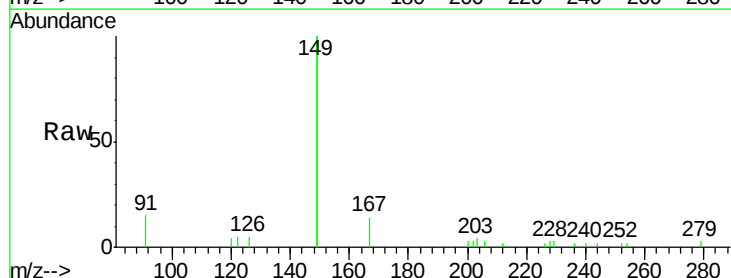
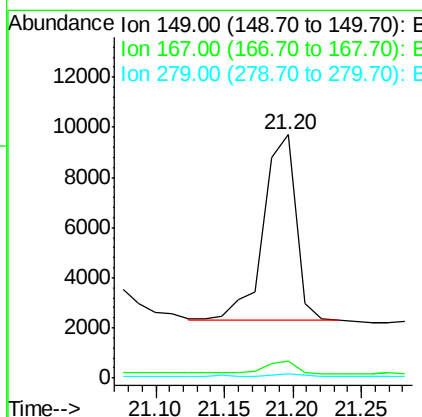
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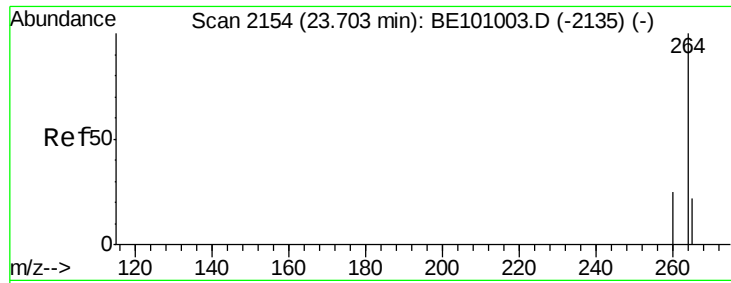
mohammad
 1/21/2020 7:57:40 AM



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.102 ng
 RT: 21.20 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: BE101093.D
 Acq: 17 Jan 2020 20:11

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.2	7.8
279	0.9	0.8	1.2





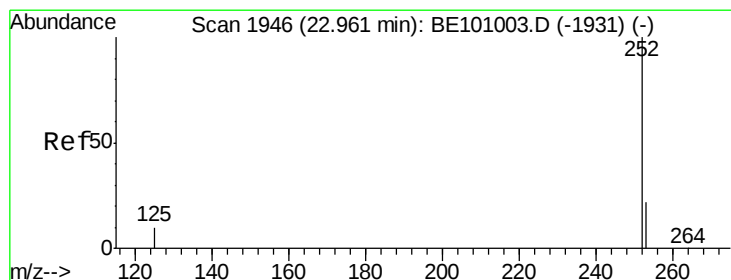
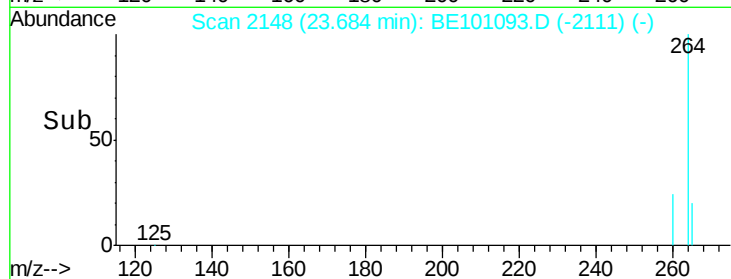
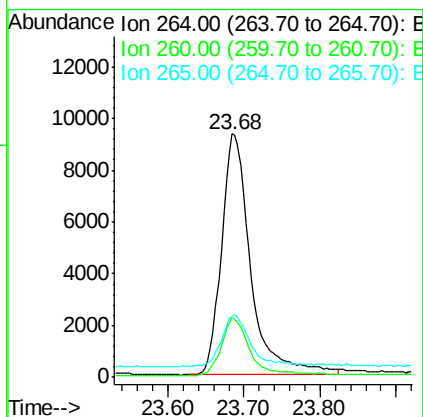
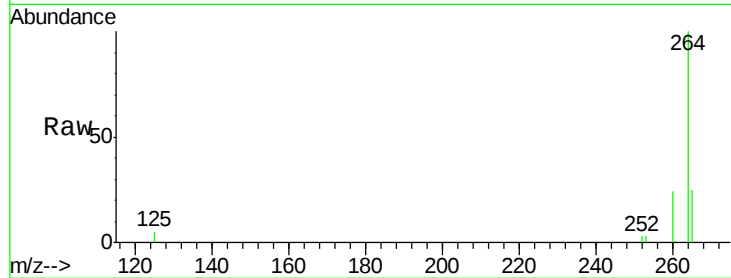
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.68 min Scan# 2148
Delta R.T. -0.02 min
Lab File: BE101093.D
Acq: 17 Jan 2020 20:11

Instrument :
BNA_E
ClientSampleId :
PF-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.3	30.5
265	24.7	27.0	40.4

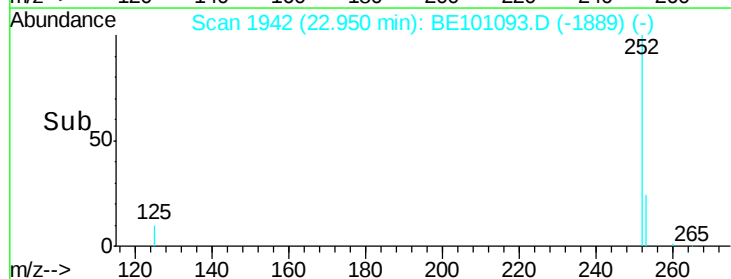
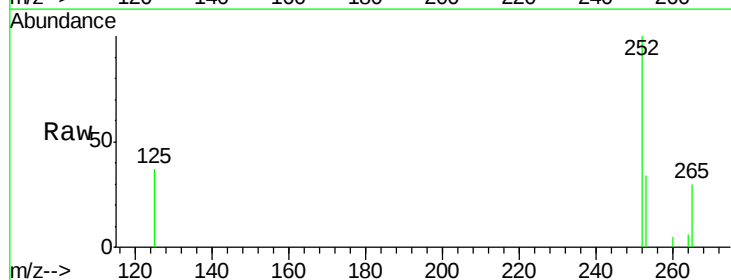
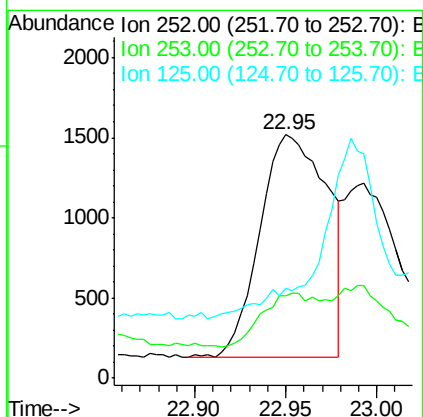
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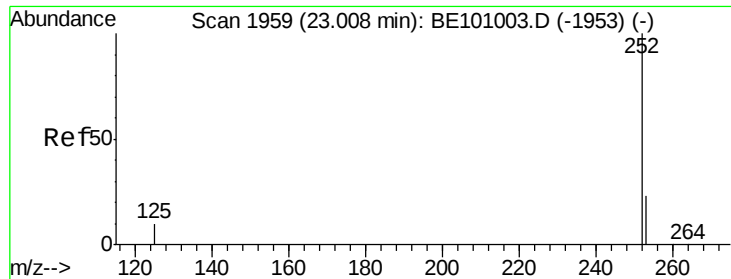
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#35
Benzo(b)fluoranthene
Concen: 0.051 ng
RT: 22.95 min Scan# 1942
Delta R.T. -0.01 min
Lab File: BE101093.D
Acq: 17 Jan 2020 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.0	18.5	27.7
125	36.8	9.5	14.3





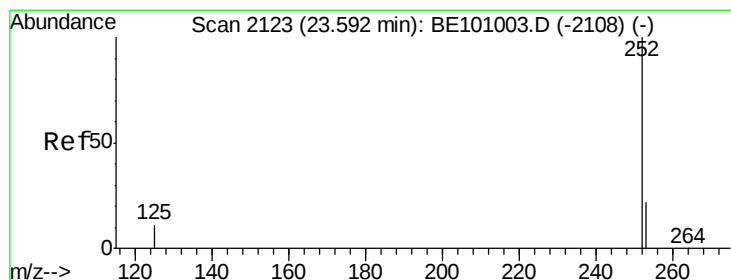
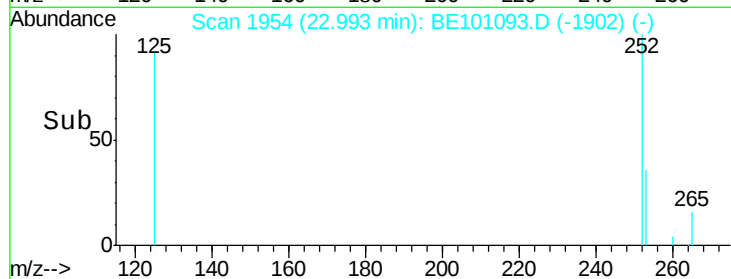
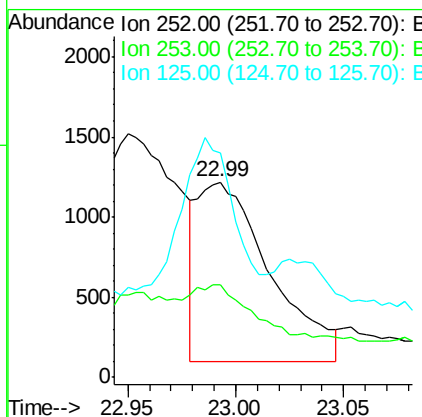
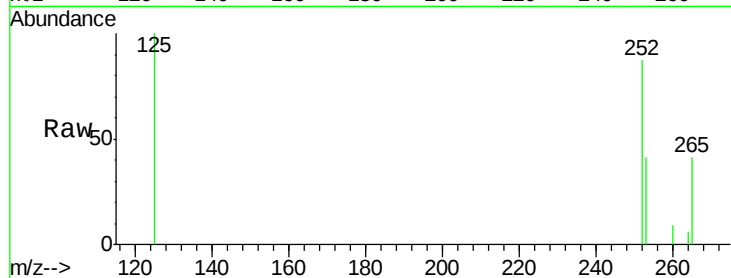
#36
Benzo(k)fluoranthene
Concen: 0.026 ng m
RT: 22.99 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BE101093.D
Acq: 17 Jan 2020 20:11

Instrument :
BNA_E
ClientSampleId :
PF-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	47.2	18.9	28.3#
125	114.7	10.1	15.1#

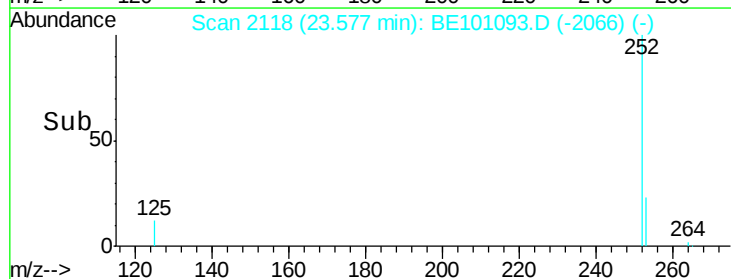
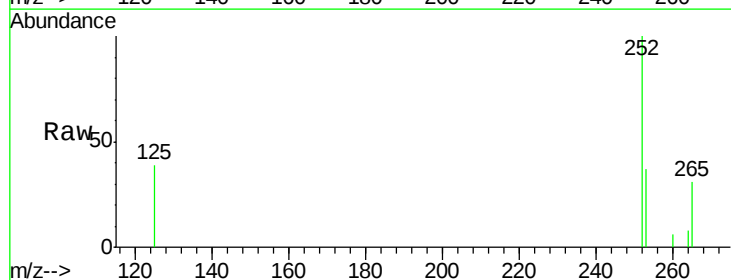
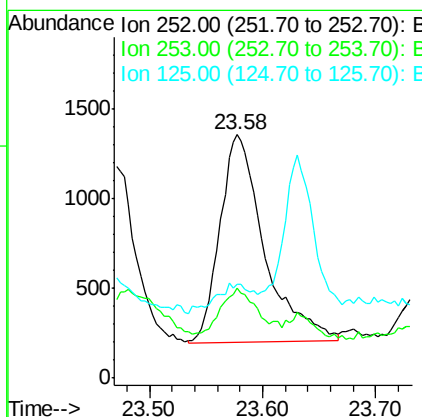
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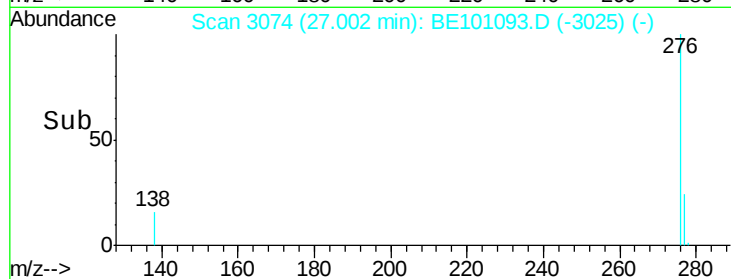
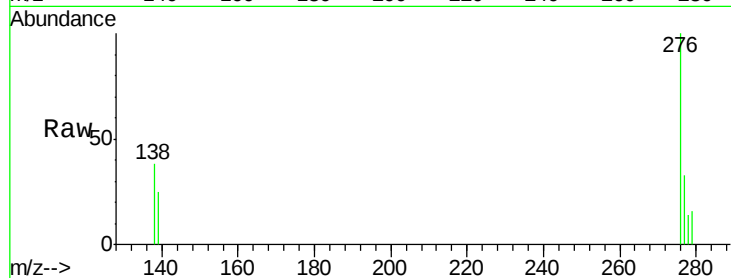
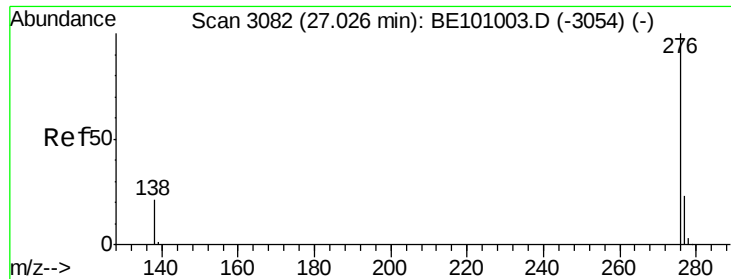
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#37
Benzo(a)pyrene
Concen: 0.047 ng
RT: 23.58 min Scan# 2118
Delta R.T. -0.01 min
Lab File: BE101093.D
Acq: 17 Jan 2020 20:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.8	19.4	29.2#
125	38.5	11.8	17.6#





#39
 Benzo(a,h,i)perylene
 Concen: 0.030 ng
 RT: 27.00 min Scan# 3074
 Delta R.T. -0.02 min
 Lab File: BE101093.D
 Acq: 17 Jan 2020 20:11

Instrument :
 BNA_E
 ClientSampleId :
 PF-3

Tot Ion	Ratio	Lower	Upper
276	100		
277	33.3	19.4	29.2#
138	38.4	17.9	26.9#

Manual Integrations
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