

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100344.D
 Acq On : 4 Jul 2019 00:33
 Operator : JU/SJ
 Sample : K3560-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-009-B219-062419

Manual Integrations
 APPROVED

mohammad
 7/5/2019 8:54:46 AM

Quant Time: Jul 04 02:41:11 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	524	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	1750	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1412	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	4631	0.40	ng	0.00
27) Chrysene-d12	21.25	240	6535	0.40	ng	0.00
34) Perylene-d12	23.66	264	7933	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	520	0.39	ng	0.00
5) Phenol-d6	6.82	99	636	0.36	ng	-0.01
8) Nitrobenzene-d5	8.81	82	578	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1126	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	411	0.42	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1718	0.31	ng	-0.01
25) Fluoranthene-d10	19.09	212	21187	0.32	ng	0.00
29) Terphenyl-d14	19.69	244	4687	0.35	ng	-0.01

Target Compounds

						Qvalue
16) Acenaphthylene	14.04	152	290	0.043	ng	# 92
18) Fluorene	15.35	166	116	0.020	ng	# 72
23) Phenanthrene	17.09	178	2961	0.264	ng	97
24) Anthracene	17.19	178	289	0.029	ng	# 87
26) Fluoranthene	19.12	202	8202	0.459	ng	99
28) Pyrene	19.48	202	8940	0.517	ng	96
30) Benzo(a)anthracene	21.22	228	6734	0.313	ng	# 94
31) Chrysene	21.28	228	8598	0.398	ng	96
32) Bis(2-ethylhexyl)phthalate	21.15	149	23270	0.709	ng	99
33) Indeno(1,2,3-cd)pyrene	26.21	276	6641	0.233	ng	# 96
35) Benzo(b)fluoranthene	22.92	252	12064	0.561	ng	96
36) Benzo(k)fluoranthene	22.96	252	4003m	0.167	ng	
37) Benzo(a)pyrene	23.55	252	8132	0.377	ng	95
38) Dibenzo(a,h)anthracene	26.23	278	1475	0.066	ng	# 59
39) Benzo(a,h,i)perylene	27.01	276	7346	0.318	ng	# 93

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

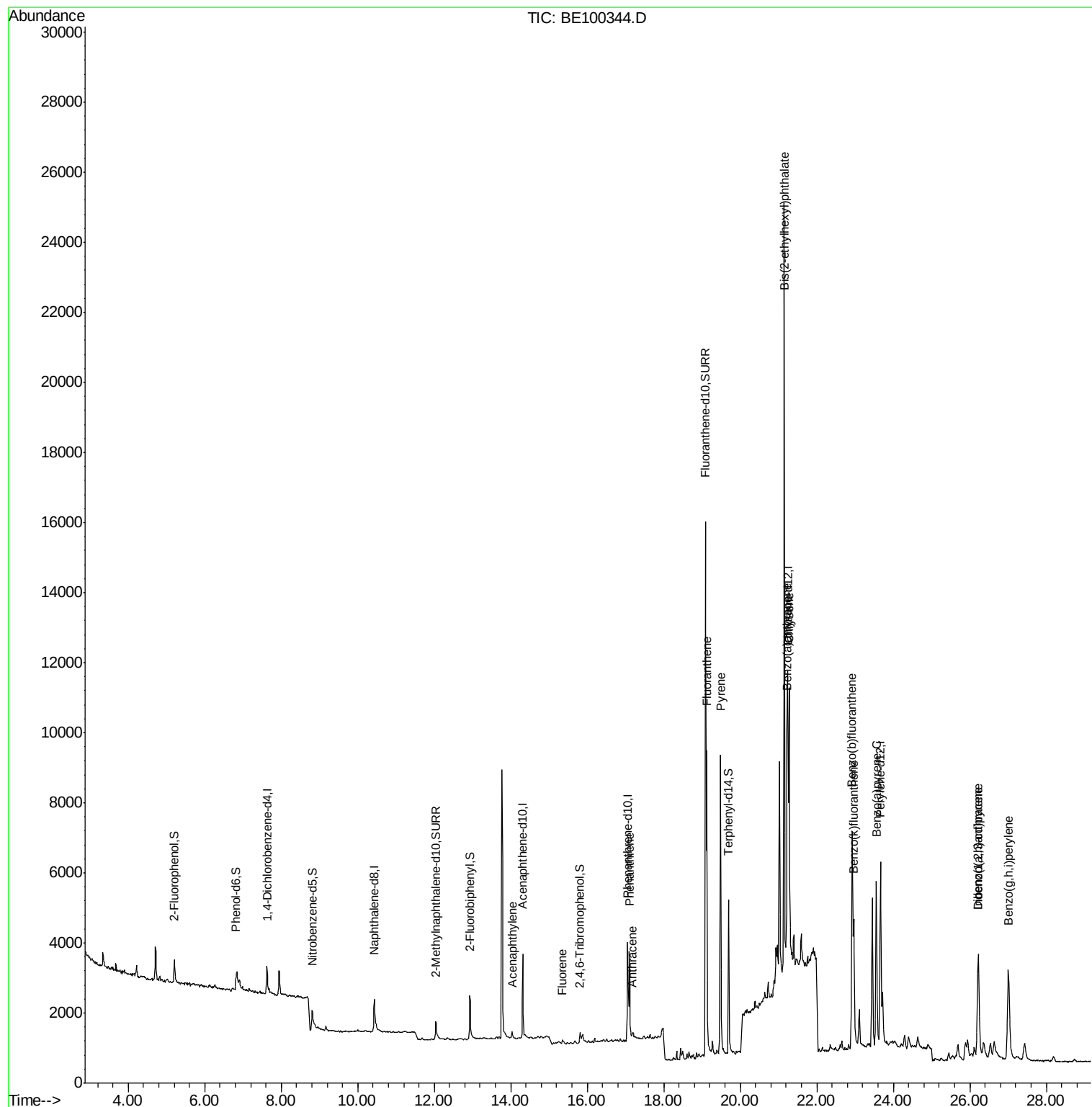
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
Data File : BE100344.D
Acq On : 4 Jul 2019 00:33
Operator : JU/SJ
Sample : K3560-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

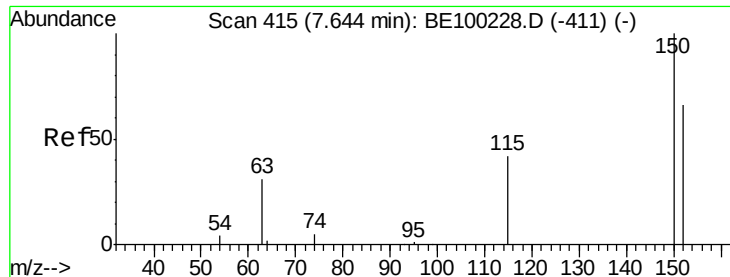
Instrument :
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PST-009-B219-062419

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#1

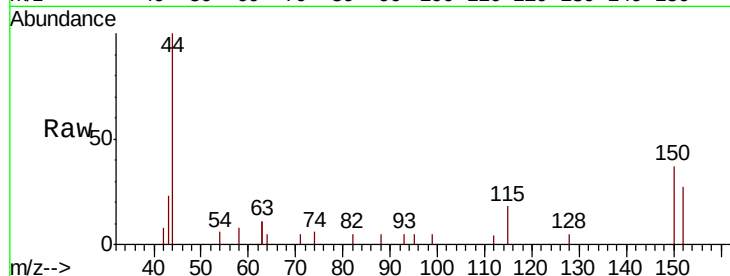
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Instrument :
BNA_E
ClientSampleId :
PST-009-B219-062419

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.7	114.5	171.7
115	67.3	57.1	85.7

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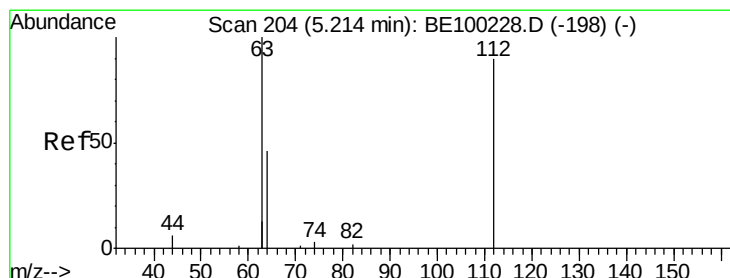
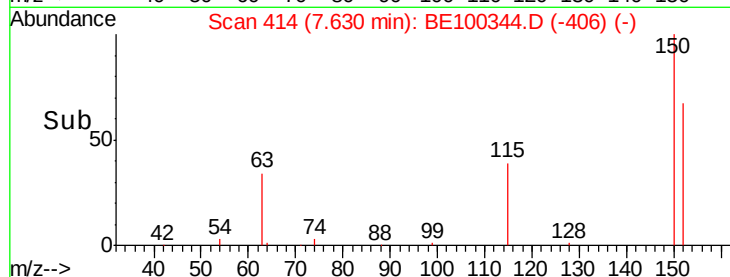
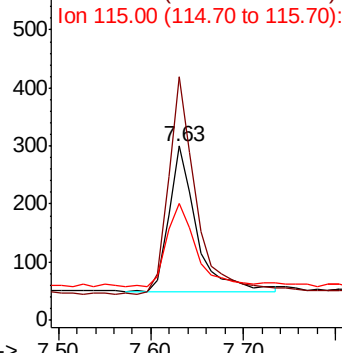


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

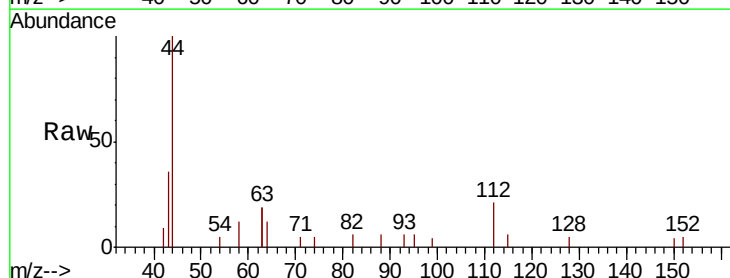
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.389 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	39.4	59.0
63	144.6	104.5	156.7

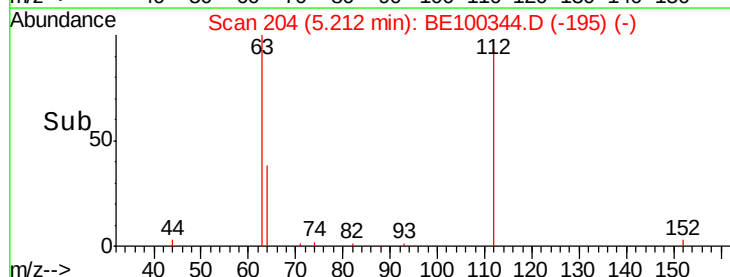
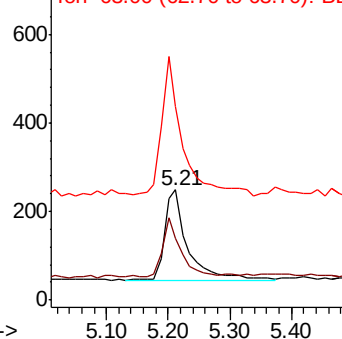


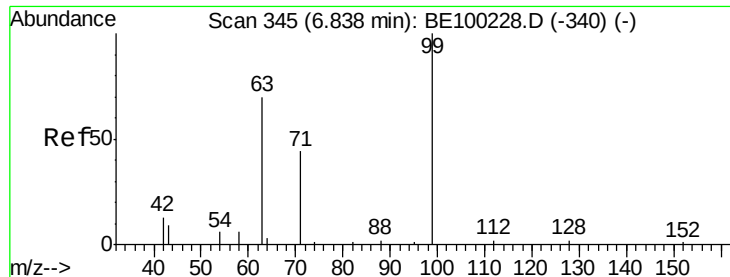
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.362 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

BNA_E

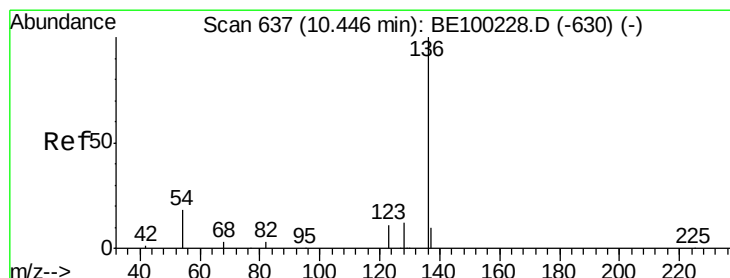
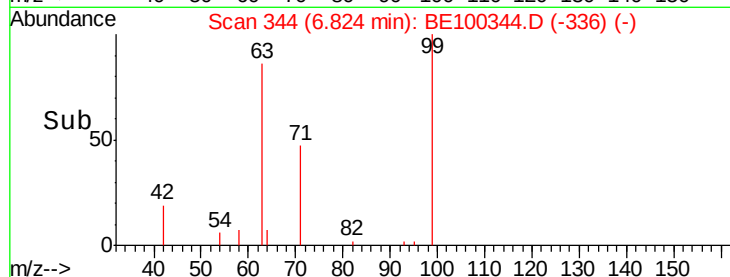
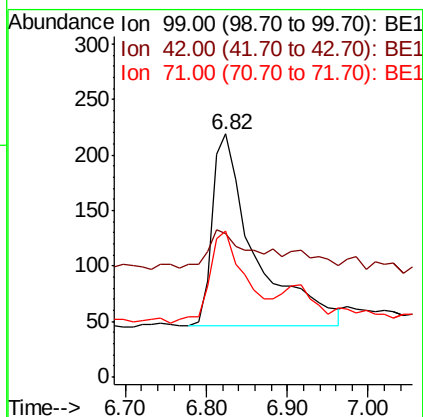
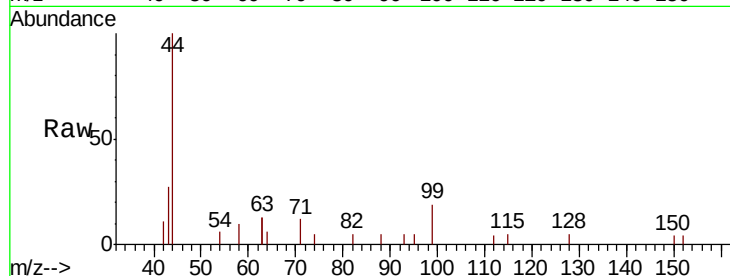
ClientSampleId :

PST-009-B219-062419

Tot Ion:	99	Resp:	636
Ion	Ratio	Lower	Upper
99	100		
42	19.7	11.2	16.8#
71	38.2	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

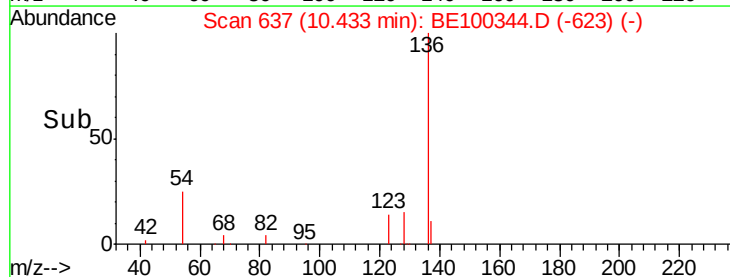
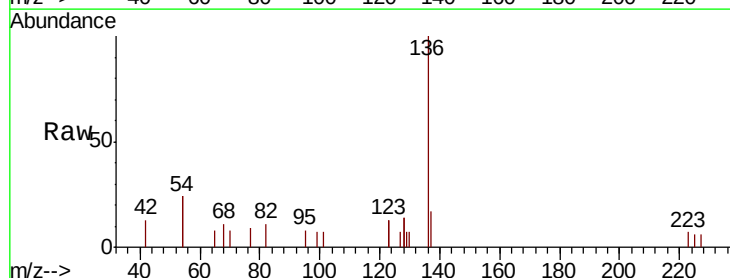
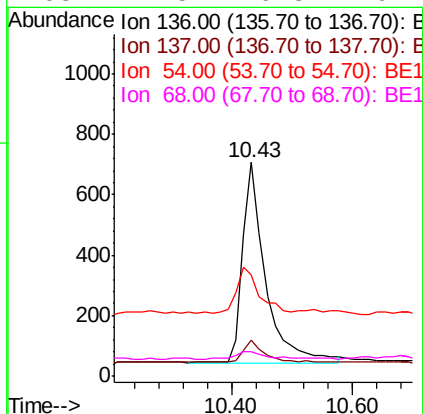
RT: 10.43 min Scan# 637

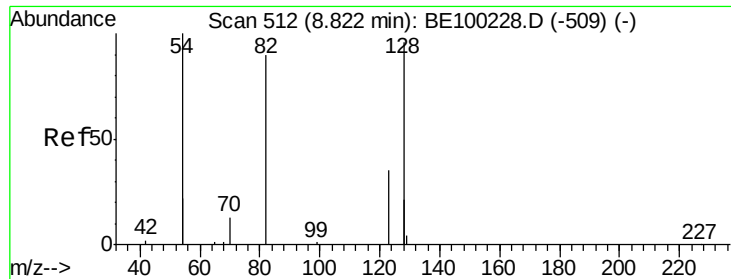
Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Tgt Ion:	136	Resp:	1750
Ion	Ratio	Lower	Upper
136	100		
137	16.8	11.8	17.8
54	47.2	27.7	41.5#
68	11.5	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.332 ng

RT: 8.81 min Scan# 512

Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

BNA_E

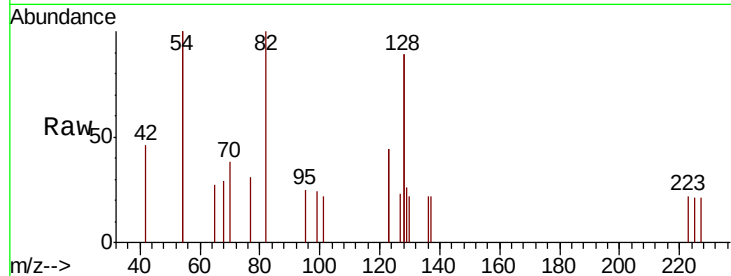
ClientSampleId :

PST-009-B219-062419

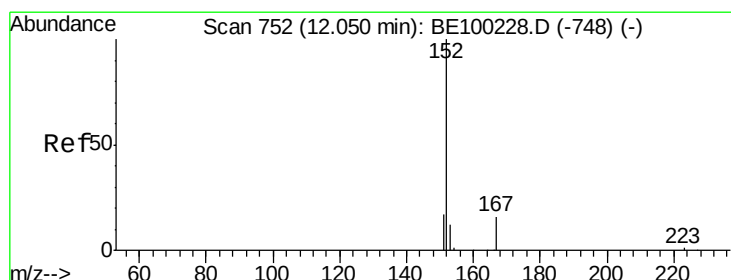
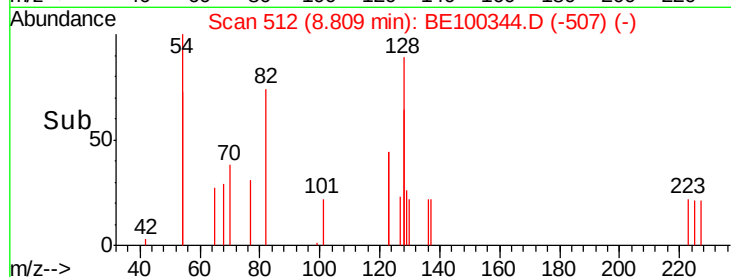
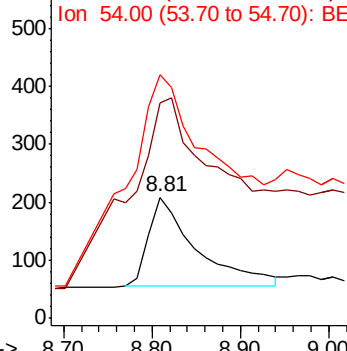
Tot Ion:	82	Resp:	578
Ion	Ratio	Lower	Upper
82	100		
128	178.0	140.9	211.3
54	201.0	146.2	219.2

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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



#11

2-Methylnaphthalene-d10

Concen: 0.342 ng

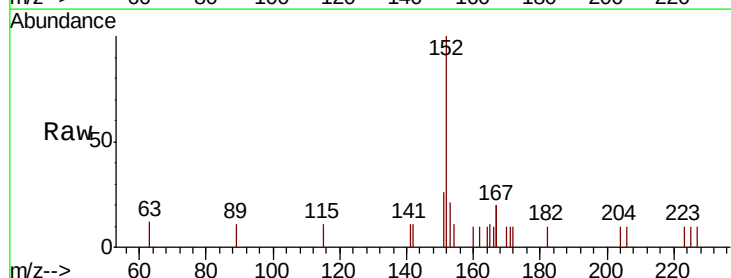
RT: 12.04 min Scan# 752

Delta R.T. -0.01 min

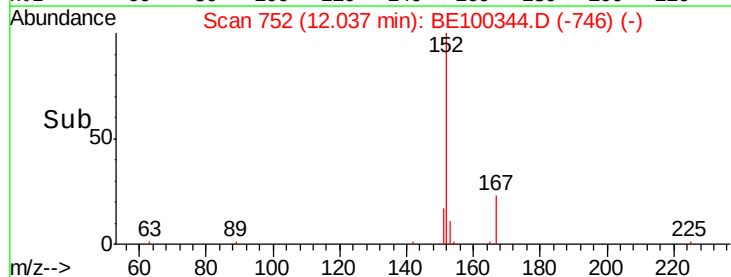
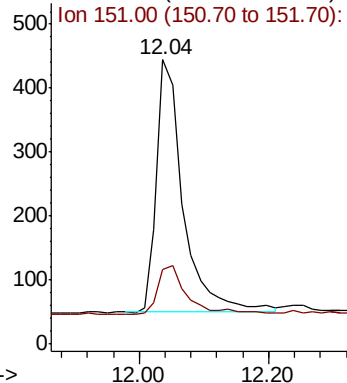
Lab File: BE100344.D

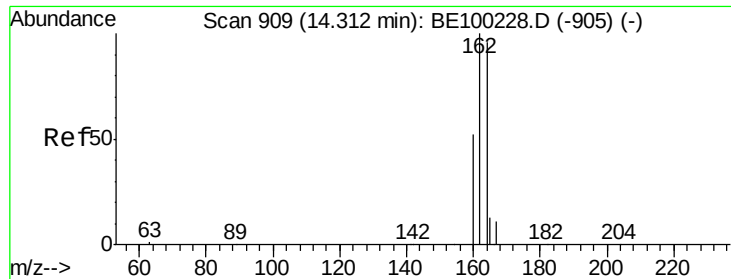
Acq: 4 Jul 2019 00:33

Tgt Ion:	152	Resp:	1126
Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.1	22.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 910

Delta R.T. 0.00 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

BNA_E

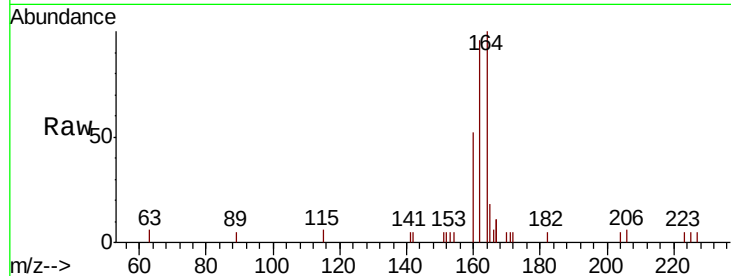
ClientSampleId :

PST-009-B219-062419

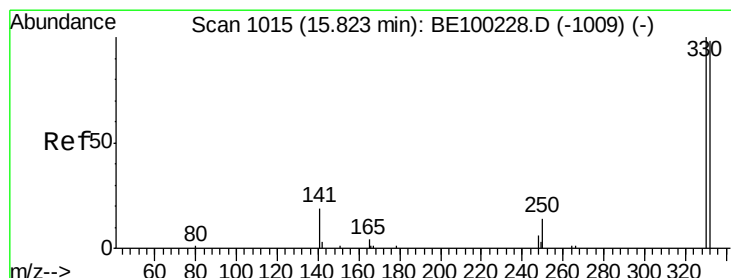
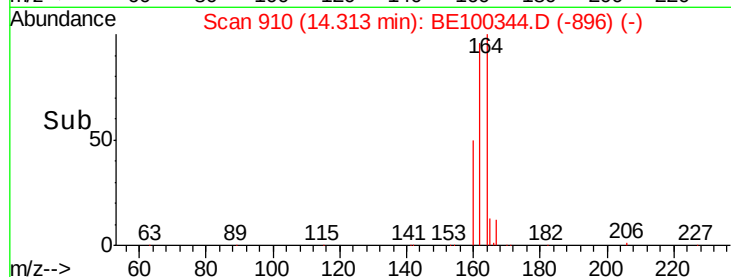
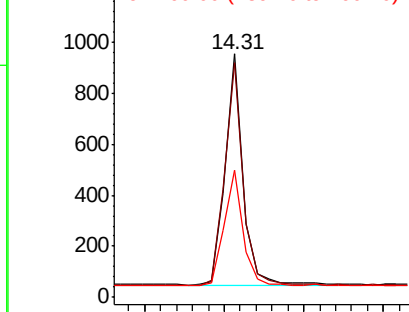
Tot Ion:	164	Resp:	1412
Ion	Ratio	Lower	Upper
164	100		
162	96.1	83.4	125.0
160	51.9	45.0	67.6

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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: 0.416 ng

RT: 15.81 min Scan# 1015

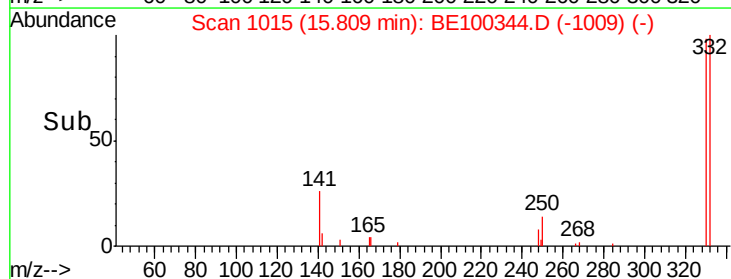
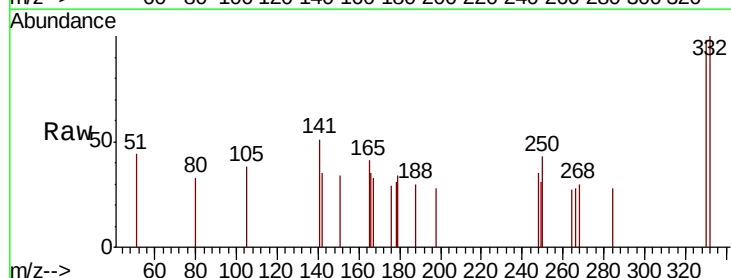
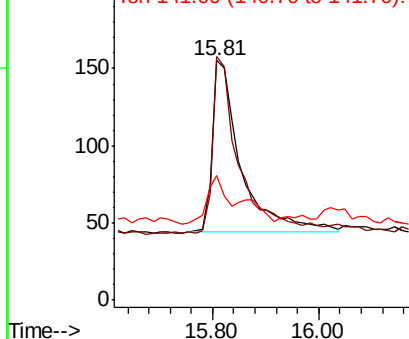
Delta R.T. -0.01 min

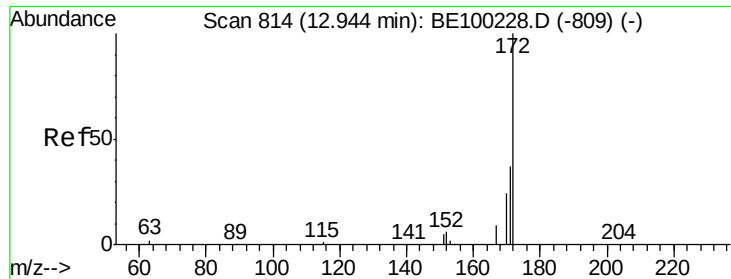
Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Tgt Ion:	330	Resp:	411
Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.4
141	17.3	22.0	33.0#

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





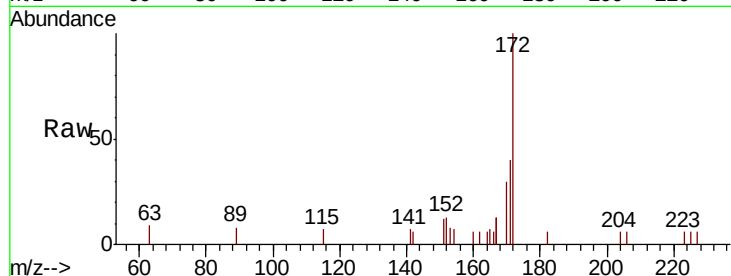
#15
2-Fluorobiphenyl
Concen: 0.312 ng
RT: 12.93 min Scan# 814
Delta R.T. -0.01 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Instrument :
BNA_E
ClientSampleId :
PST-009-B219-062419

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.4	31.9	47.9
170	30.3	22.2	33.2

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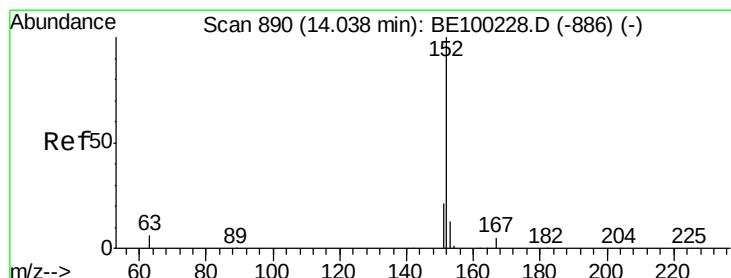
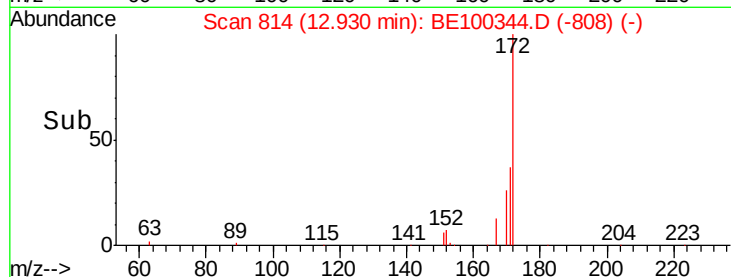
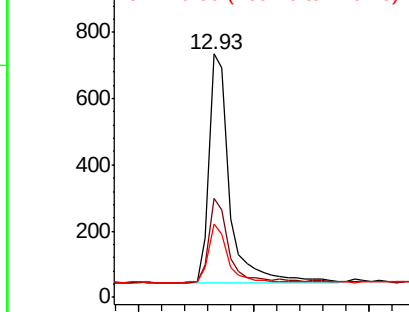


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.043 ng
RT: 14.04 min Scan# 891
Delta R.T. 0.00 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

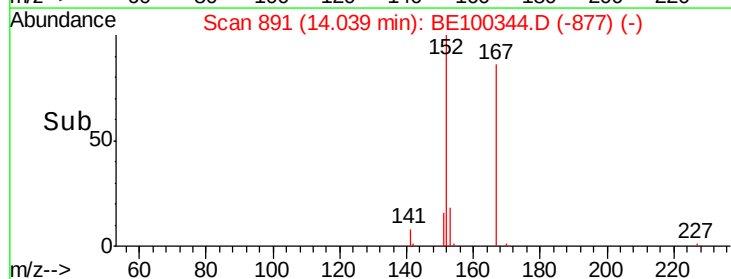
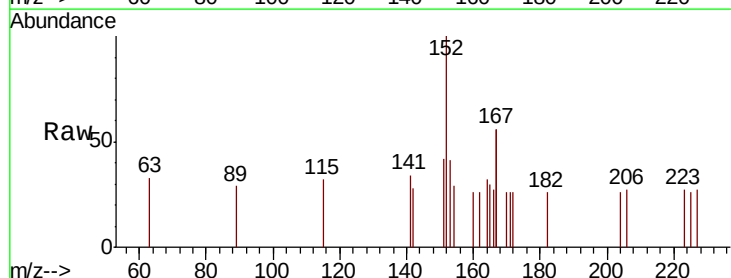
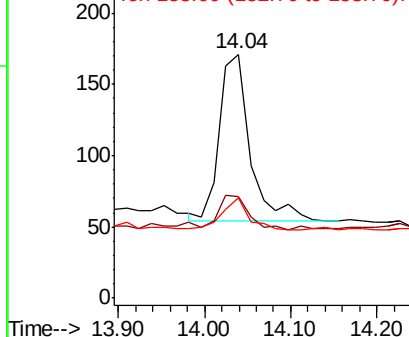
Tgt Ion	Ratio	Lower	Upper
152	100		
151	25.2	16.6	25.0#
153	15.9	10.5	15.7#

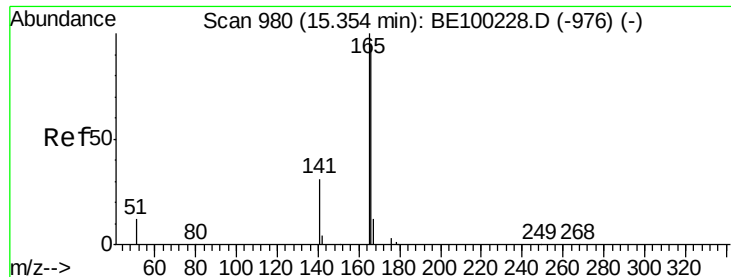
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





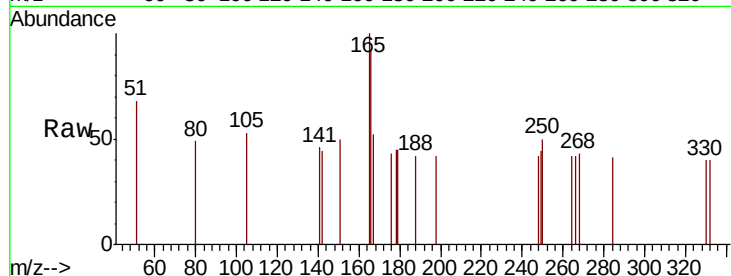
#18
Fluorene
Concen: 0.020 ng
RT: 15.35 min Scan# 981
Delta R.T. -0.00 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Instrument :
BNA_E
ClientSampleId :
PST-009-B219-062419

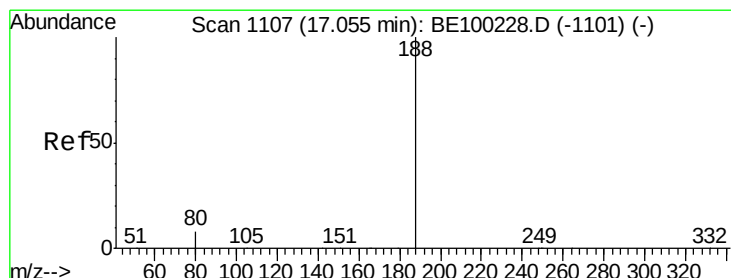
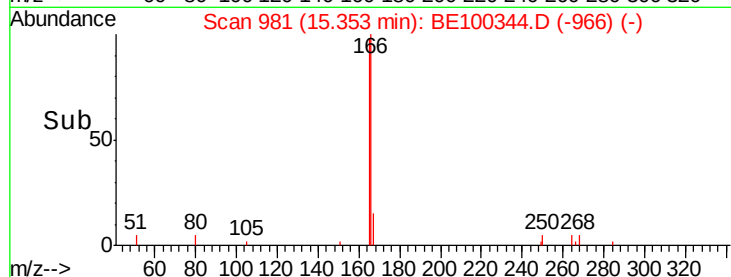
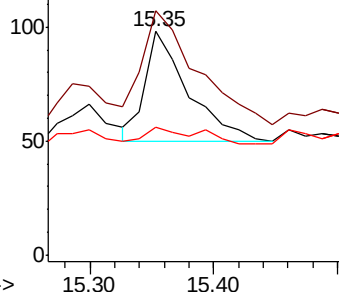
Tot Ion	Ratio	Lower	Upper
166	100		
165	131.9	81.1	121.7#
167	17.2	10.7	16.1#

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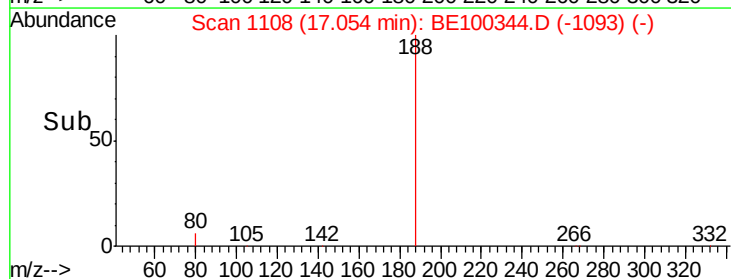
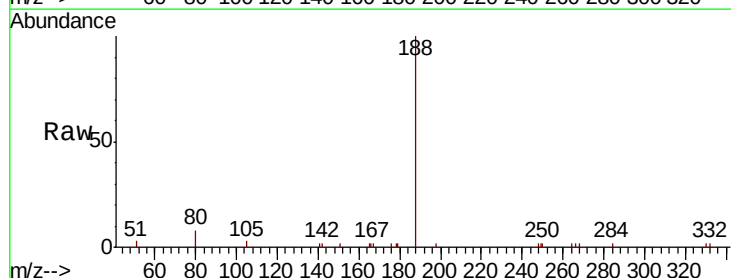
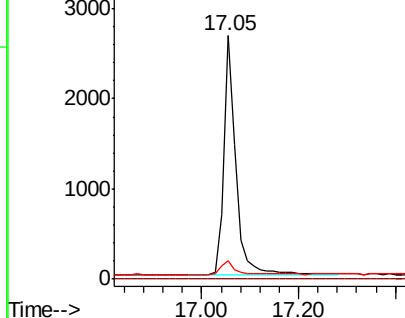
Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

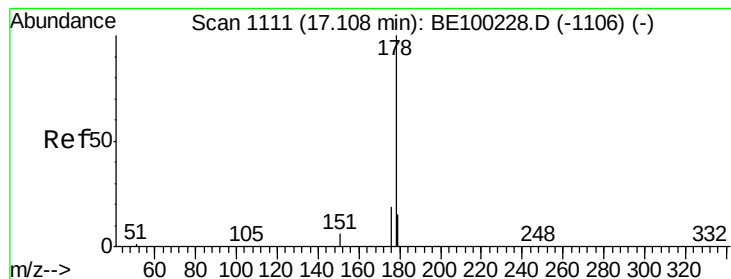


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1108
Delta R.T. -0.00 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.6	7.6	11.4#

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE1
Ion 80.00 (79.70 to 80.70): BE1





#23

Phenanthrene

Concen: 0.264 ng

RT: 17.09 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

BNA_E

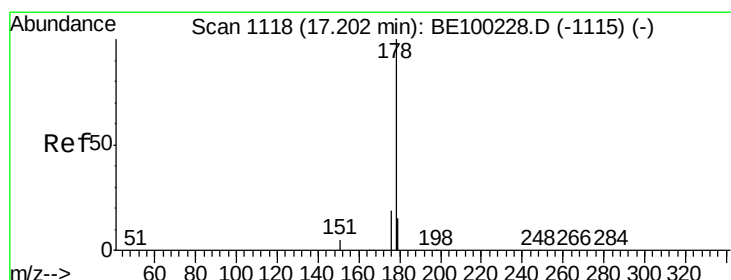
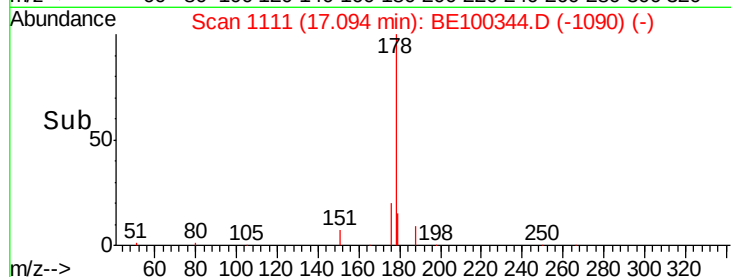
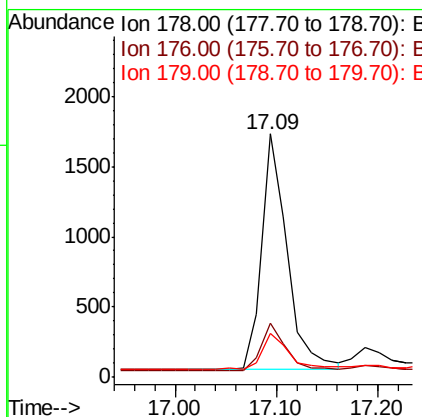
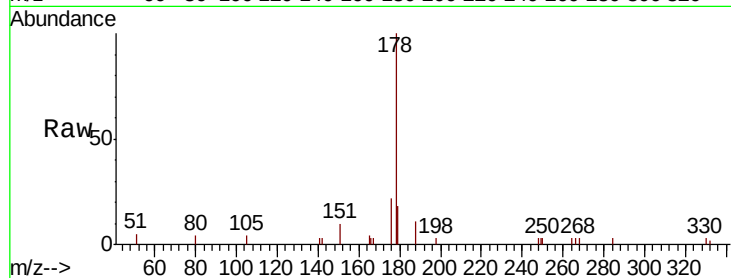
ClientSampleId :

PST-009-B219-062419

Tot Ion:178	Resp:	2961
Ion Ratio	Lower	Upper
178	100	
176	20.2	15.9 23.9
179	17.5	12.2 18.2

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#24

Anthracene

Concen: 0.029 ng

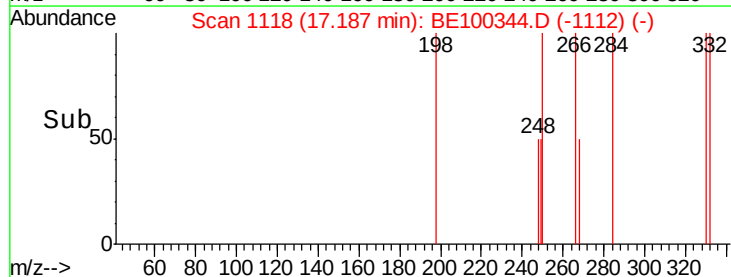
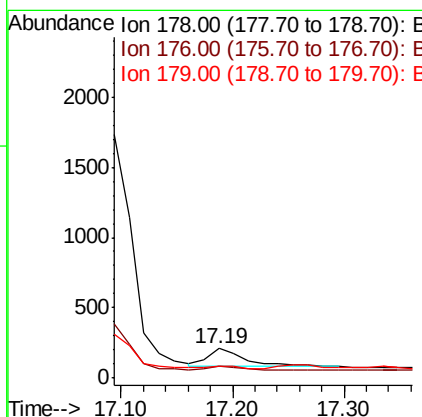
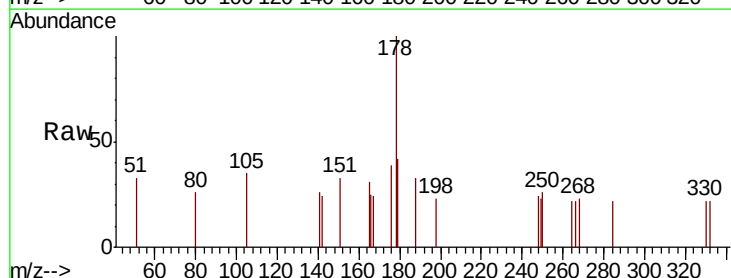
RT: 17.19 min Scan# 1118

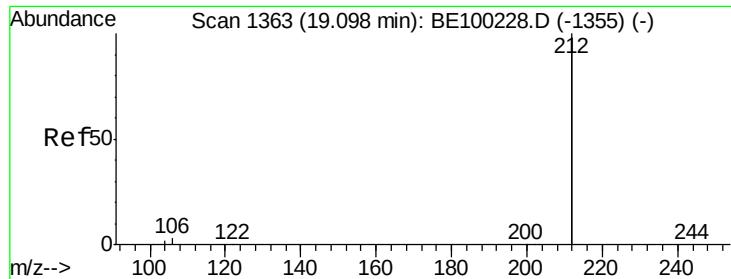
Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Tgt Ion:178	Resp:	289
Ion Ratio	Lower	Upper
178	100	
176	24.6	15.3 22.9#
179	9.0	12.2 18.2#





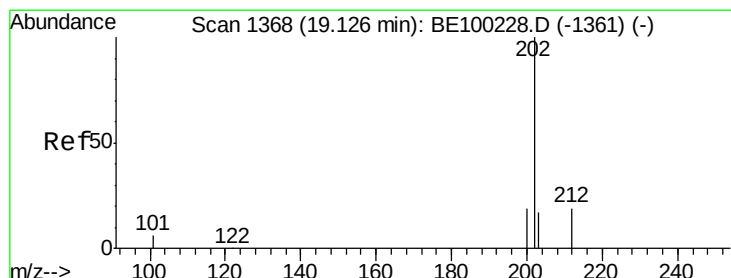
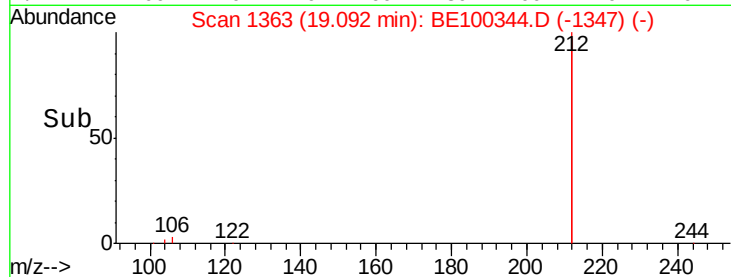
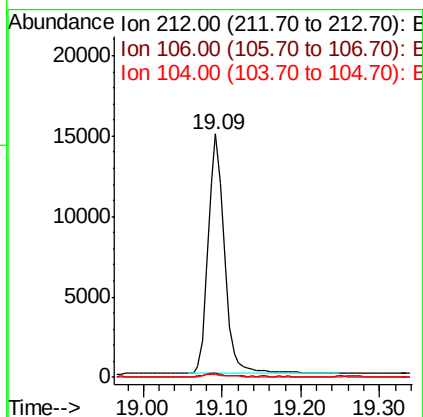
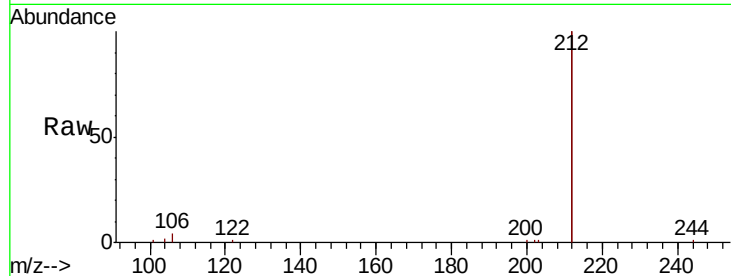
#25
 Fluoranthene-d10
 Concen: 0.315 ng
 RT: 19.09 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: BE100344.D
 Acq: 4 Jul 2019 00:33

Instrument :
 BNA_E
 ClientSampleId :
 PST-009-B219-062419

Tot Ion:	212	Resp:	21187
Ion Ratio	Lower	Upper	
212	100		
106	1.5	1.3	1.9
104	1.0	0.8	1.2

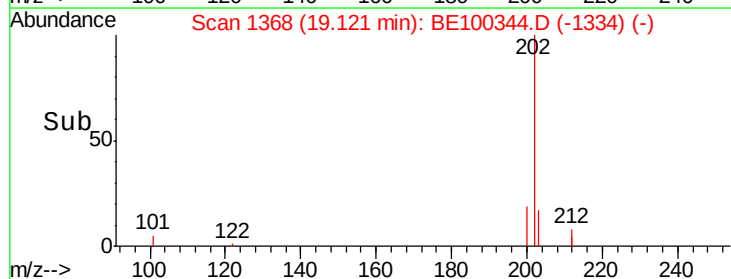
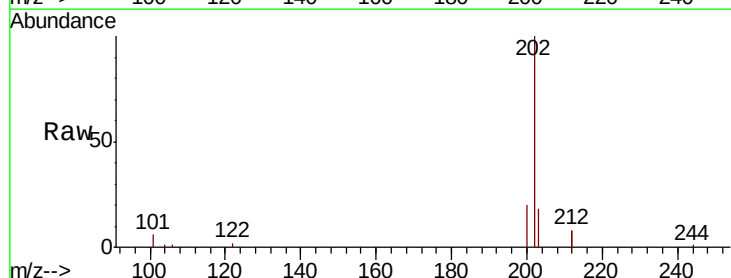
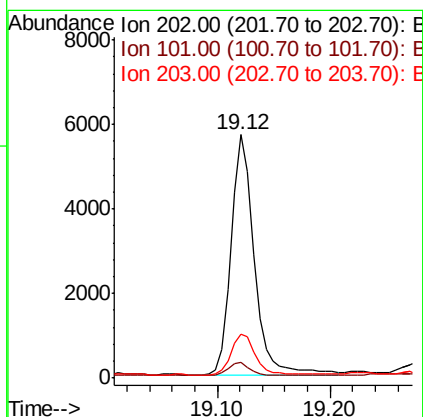
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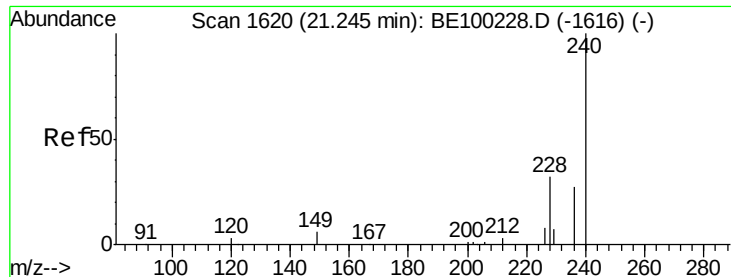
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#26
 Fluoranthene
 Concen: 0.459 ng
 RT: 19.12 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: BE100344.D
 Acq: 4 Jul 2019 00:33

Tgt Ion:	202	Resp:	8202
Ion Ratio	Lower	Upper	
202	100		
101	5.4	4.6	7.0
203	17.6	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.25 min Scan# 1621

Delta R.T. 0.00 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

BNA_E

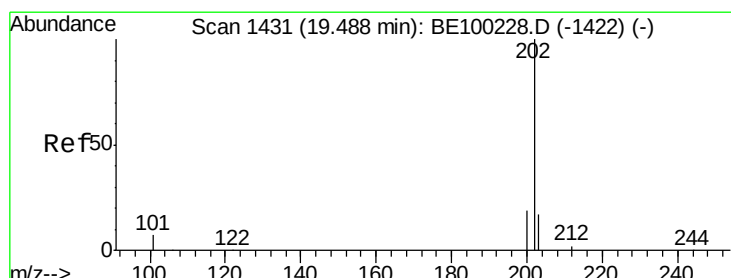
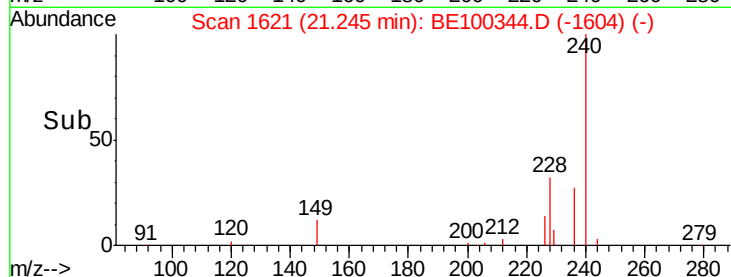
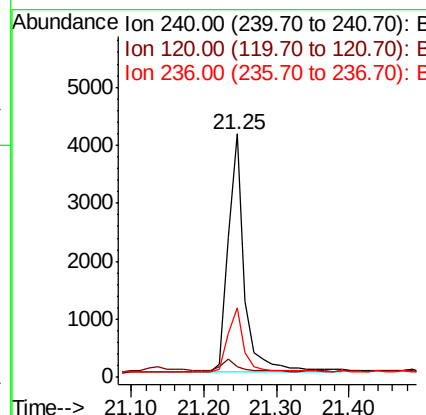
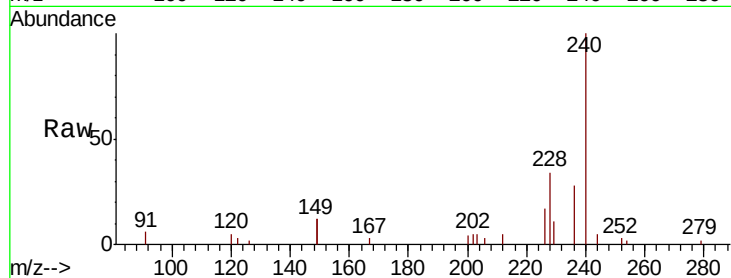
ClientSampleId :

PST-009-B219-062419

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.6	3.3	4.9
236	28.3	22.6	34.0

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#28

Pyrene

Concen: 0.517 ng

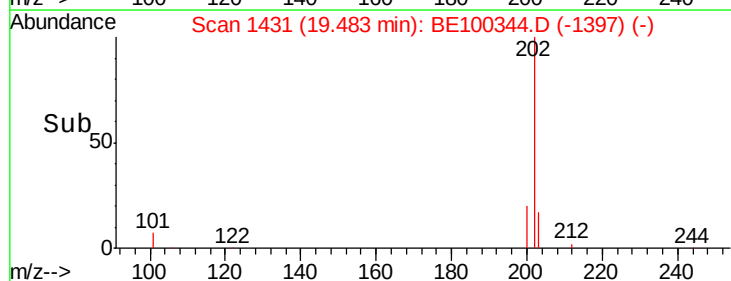
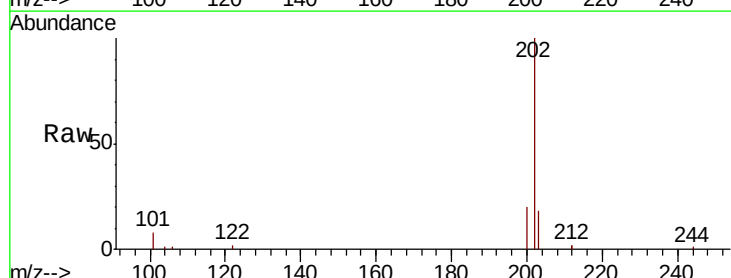
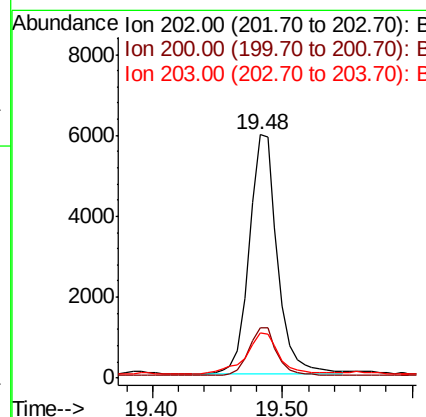
RT: 19.48 min Scan# 1431

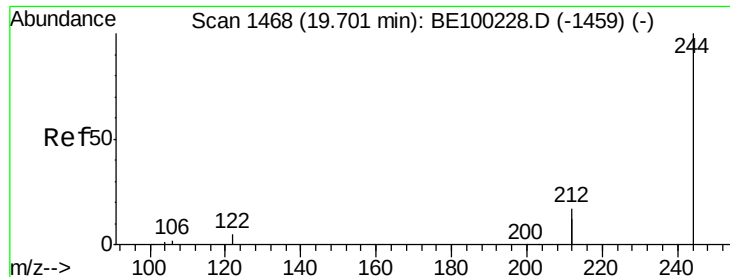
Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	15.6	23.4
203	20.1	14.0	21.0





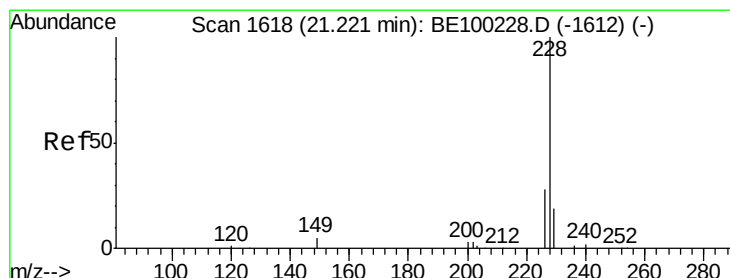
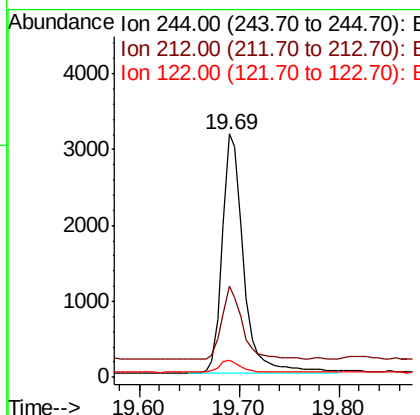
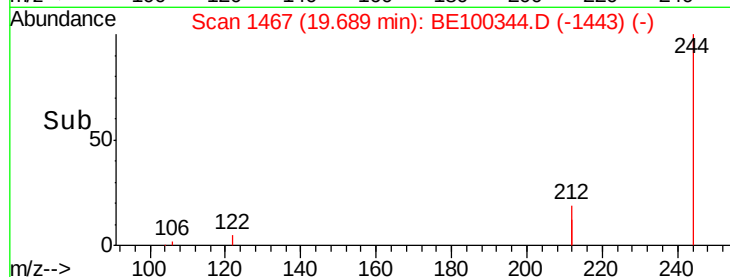
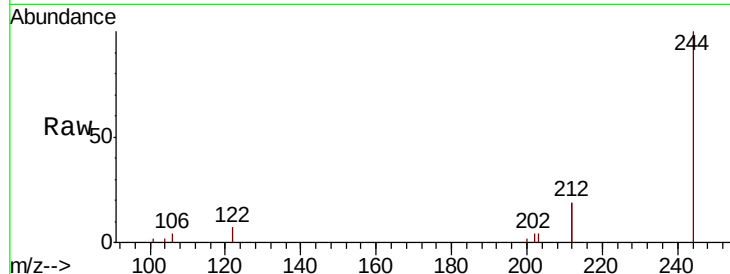
#29
 Terphenyl-d14
 Concen: 0.346 ng
 RT: 19.69 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BE100344.D
 Acq: 4 Jul 2019 00:33

Instrument :
 BNA_E
 ClientSampleId :
 PST-009-B219-062419

Tot Ion	Ratio	Lower	Upper
244	100		
212	37.7	27.3	40.9
122	7.2	4.7	7.1

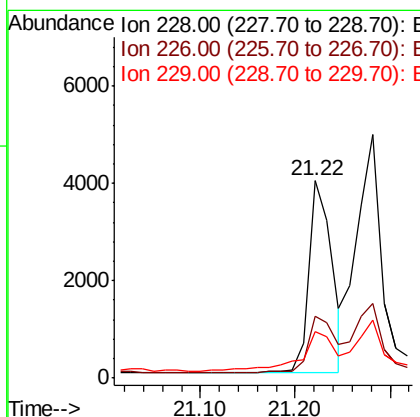
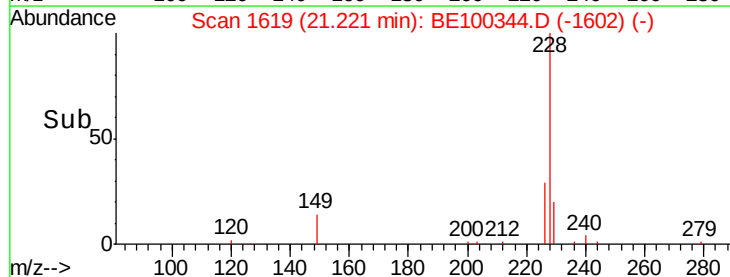
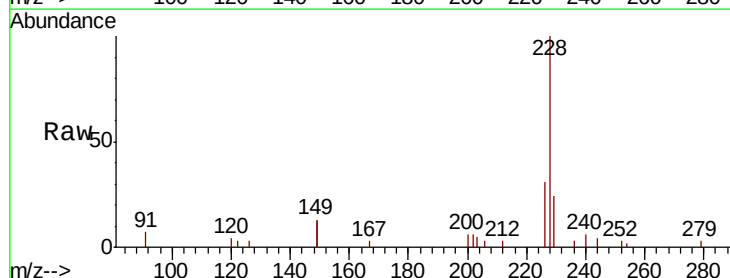
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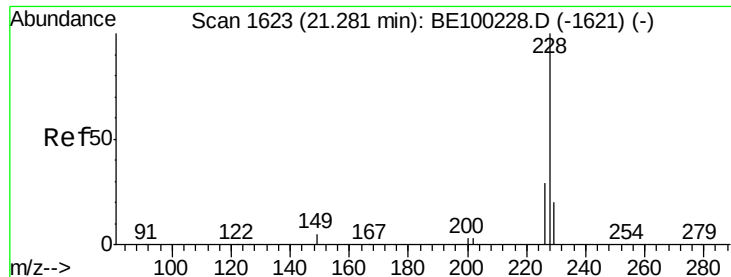
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#30
 Benzo(a)anthracene
 Concen: 0.313 ng
 RT: 21.22 min Scan# 1619
 Delta R.T. 0.00 min
 Lab File: BE100344.D
 Acq: 4 Jul 2019 00:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.2	34.8
229	23.6	15.7	23.5





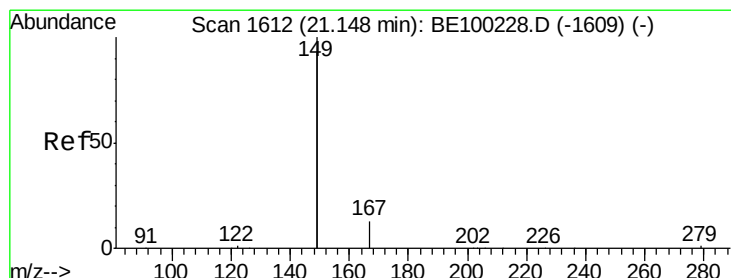
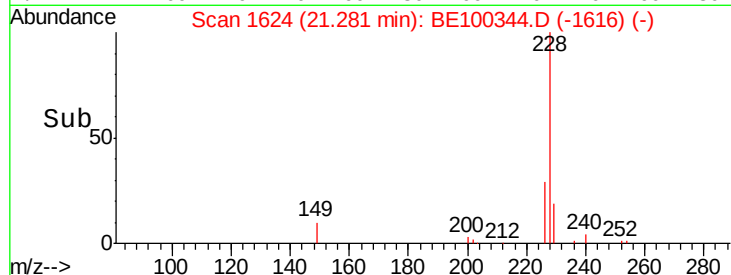
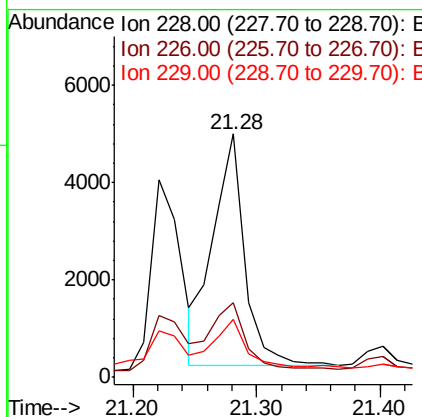
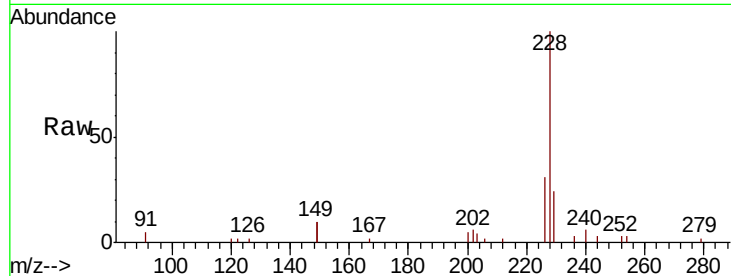
#31
 Chrysene
 Concen: 0.398 ng
 RT: 21.28 min Scan# 1624
 Delta R.T. 0.00 min
 Lab File: BE100344.D
 Acq: 4 Jul 2019 00:33

Instrument :
 BNA_E
 ClientSampleId :
 PST-009-B219-062419

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9
229	23.7	16.5	24.7

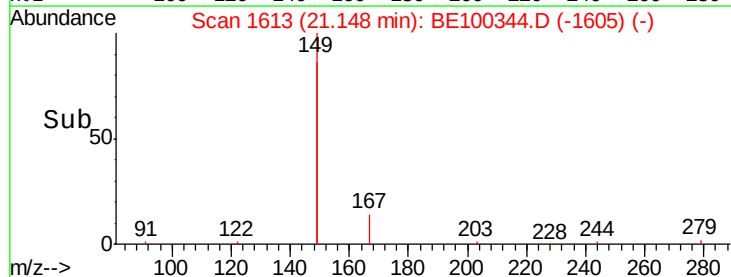
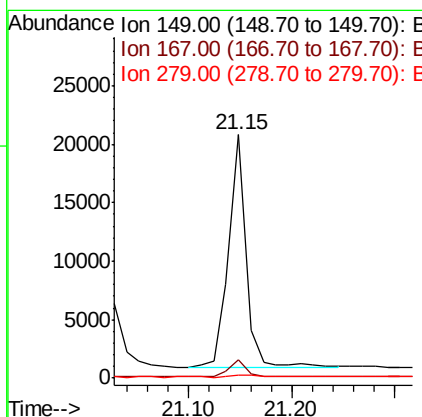
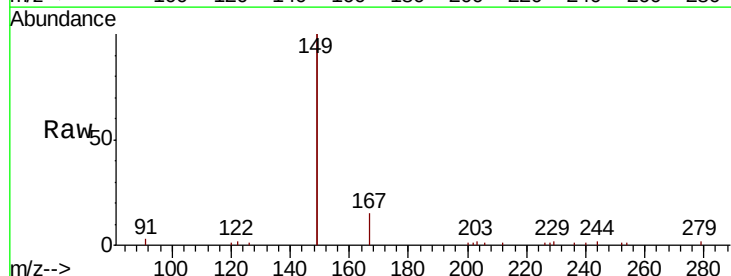
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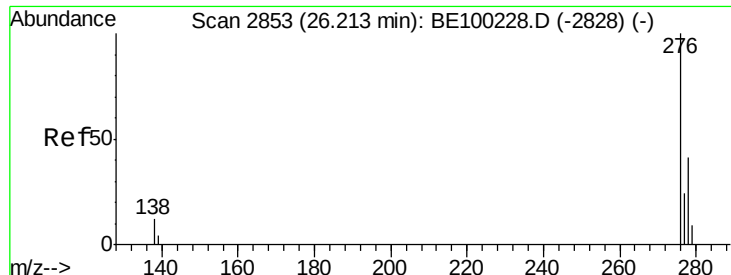
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.709 ng
 RT: 21.15 min Scan# 1613
 Delta R.T. 0.00 min
 Lab File: BE100344.D
 Acq: 4 Jul 2019 00:33

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.8	8.8
279	1.3	1.1	1.7





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.233 ng

RT: 26.21 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

BNA_E

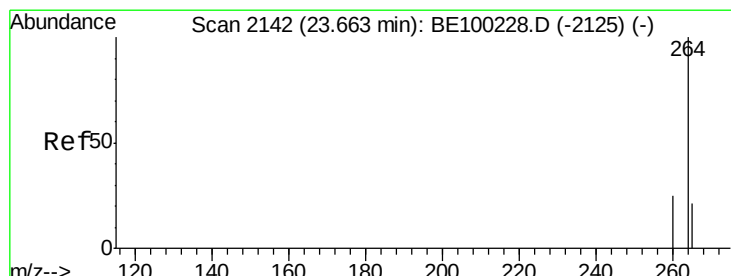
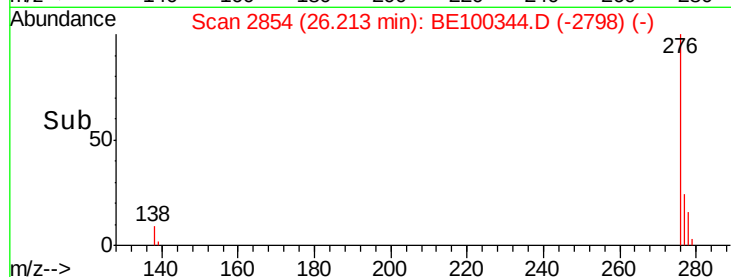
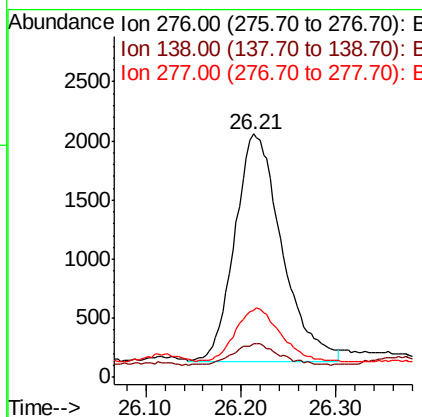
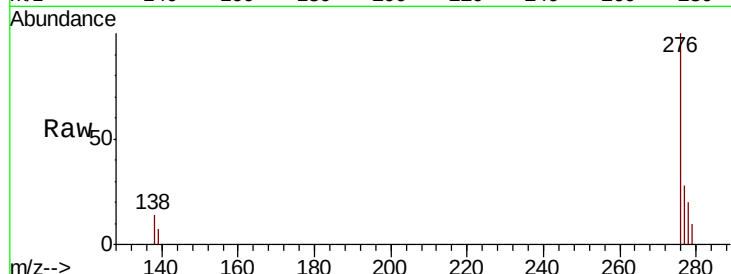
ClientSampleId :

PST-009-B219-062419

Tot Ion:	276	Resp:	6641
Ion Ratio	Lower	Upper	
276	100		
138	8.9	9.4	14.0#
277	22.8	19.2	28.8

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#34

Perylene-d12

Concen: 0.400 ng

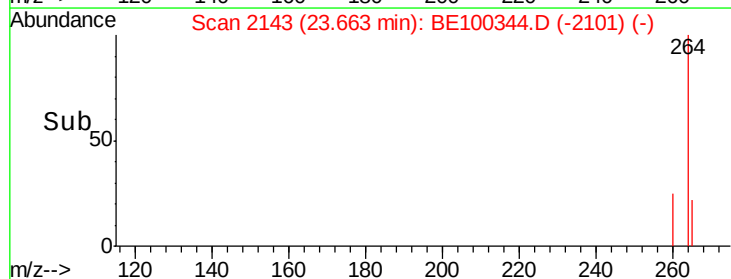
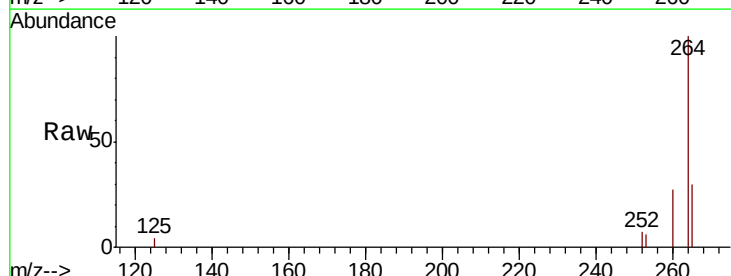
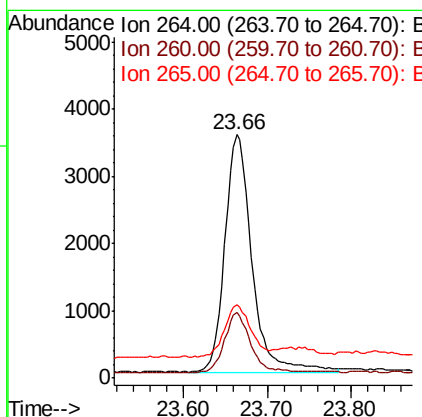
RT: 23.66 min Scan# 2143

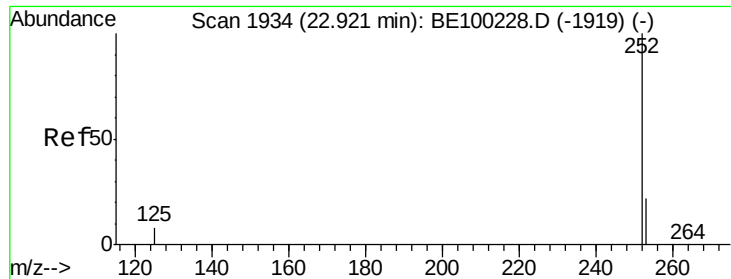
Delta R.T. 0.00 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Tgt Ion:	264	Resp:	7933
Ion Ratio	Lower	Upper	
264	100		
260	26.8	20.8	31.2
265	30.3	21.8	32.6





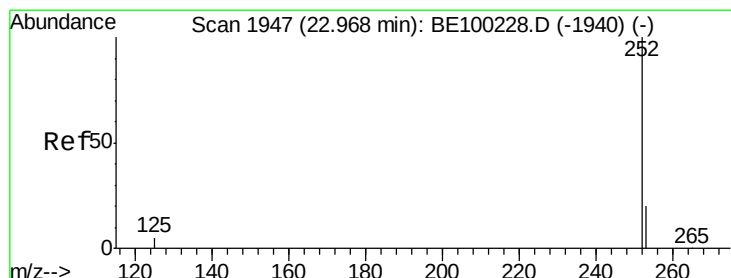
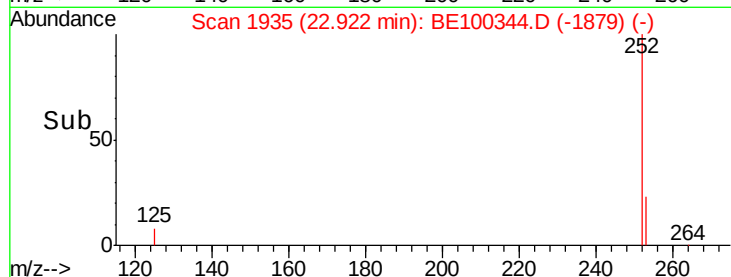
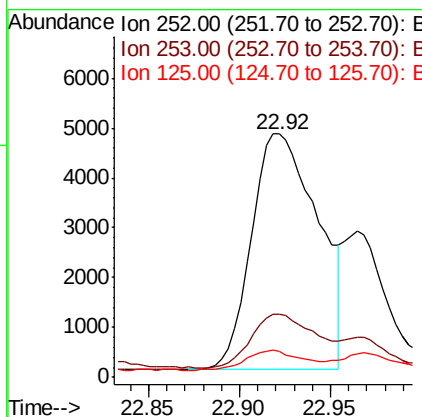
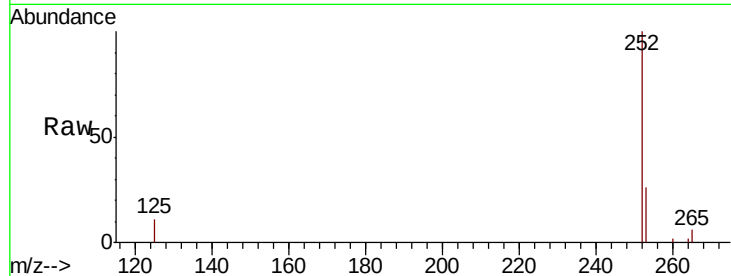
#35
Benzo(b)fluoranthene
Concen: 0.561 ng
RT: 22.92 min Scan# 1935
Delta R.T. 0.00 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Instrument :
BNA_E
ClientSampleId :
PST-009-B219-062419

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.2	28.8
125	10.6	7.4	11.0

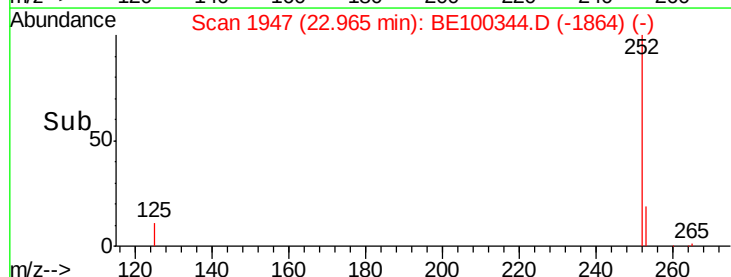
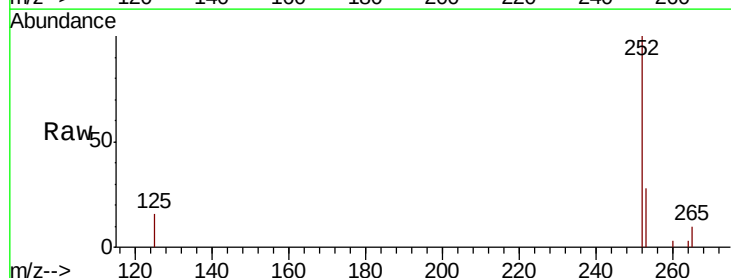
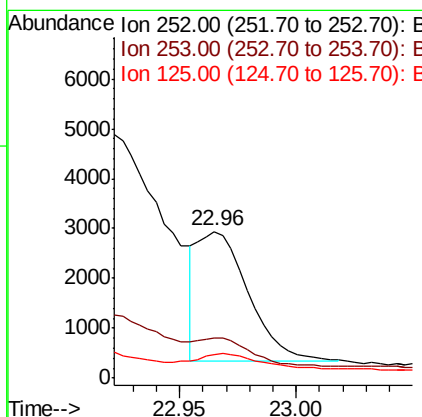
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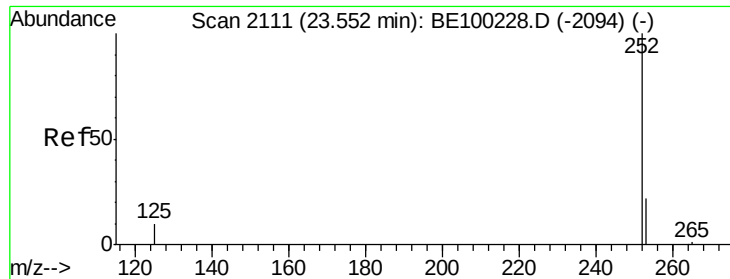
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#36
Benzo(k)fluoranthene
Concen: 0.167 ng m
RT: 22.96 min Scan# 1947
Delta R.T. -0.00 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.9	26.9#
125	15.7	5.0	7.4#





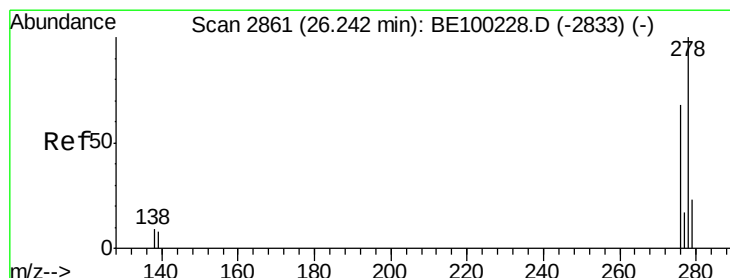
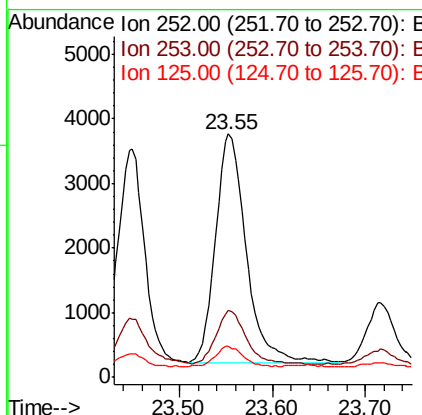
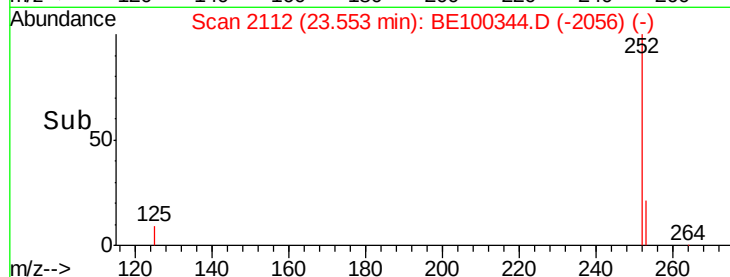
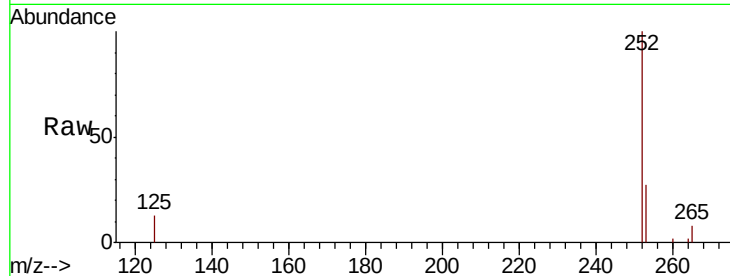
#37
Benzo(a)pyrene
Concen: 0.377 ng
RT: 23.55 min Scan# 2112
Delta R.T. 0.00 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Instrument :
BNA_E
ClientSampleId :
PST-009-B219-062419

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	19.6	29.4
125	12.7	9.0	13.6

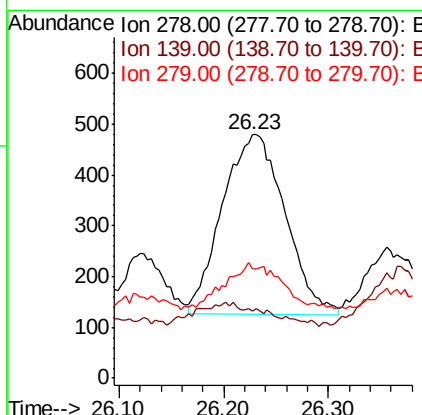
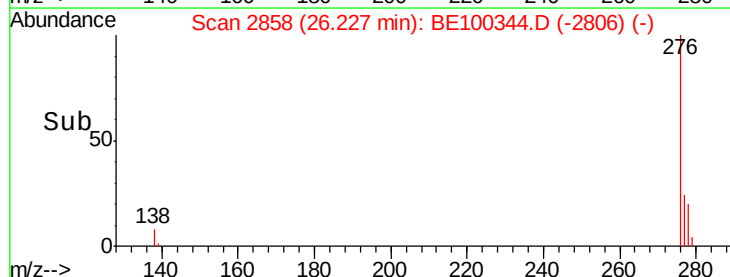
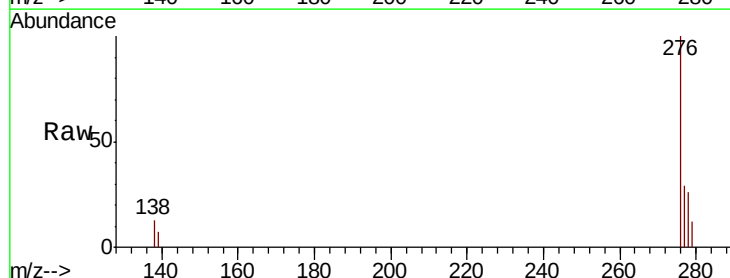
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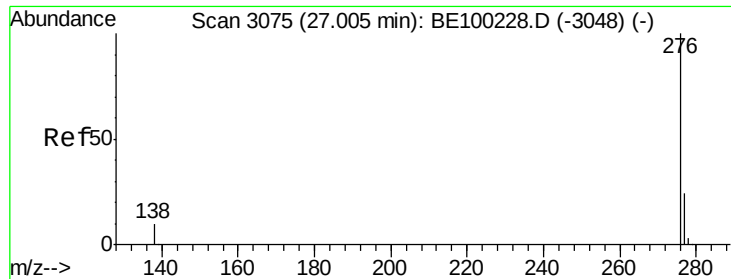
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#38
Dibenzo(a,h)anthracene
Concen: 0.066 ng
RT: 26.23 min Scan# 2858
Delta R.T. -0.01 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.3	8.2	12.2#
279	44.9	20.3	30.5#





#39

Benzo(a,h,i)perylene

Concen: 0.318 ng

RT: 27.01 min Scan# 3077

Delta R.T. 0.00 min

Lab File: BE100344.D

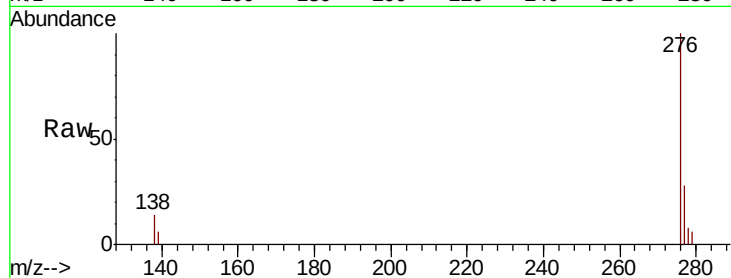
Acq: 4 Jul 2019 00:33

Instrument :

BNA_E

ClientSampleId :

PST-009-B219-062419



Tot Ion: 276 Resp: 7346

Ion Ratio Lower Upper

276 100

277 28.4 20.2 30.2

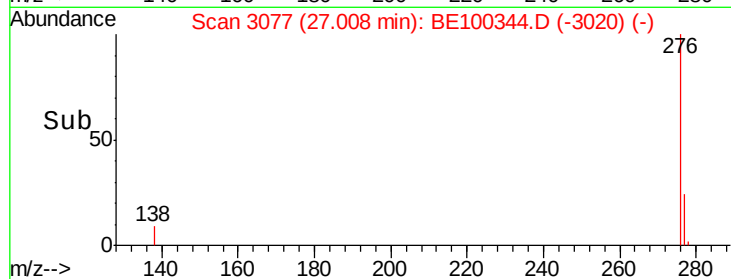
138 13.9 9.0 13.6#

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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

