

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
 Data File : BE100136.D
 Acq On : 21 Jun 2019 15:04
 Operator : JU/SJ
 Sample : K3428-17
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B046-061319

Manual Integrations
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Quant Time: Jun 22 02:28:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 19 15:07:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	438	0.40	ng	-0.01
7) Naphthalene-d8	10.55	136	1597	0.40	ng	0.01
13) Acenaphthene-d10	14.40	164	1683	0.40	ng	-0.01
19) Phenanthrene-d10	17.15	188	5930	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	8303	0.40	ng	0.00
34) Perylene-d12	23.83	264	9432	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.30	112	346	0.38	ng	0.00
5) Phenol-d6	6.92	99	516	0.41	ng	-0.01
8) Nitrobenzene-d5	8.94	82	404	0.26	ng	0.03
11) 2-Methylnaphthalene-d10	12.17	152	65	0.02	ng	0.01
14) 2,4,6-Tribromophenol	15.90	330	329	0.35	ng	-0.01
15) 2-Fluorobiphenyl	13.04	172	1776	0.27	ng	0.00
25) Fluoranthene-d10	19.19	212	2040	0.02	ng	0.00
29) Terphenyl-d14	19.79	244	5555	0.33	ng	-0.02
Target Compounds						
23) Phenanthrene	17.20	178	1573	0.111	ng	Qvalue 97
24) Anthracene	17.30	178	260	0.022	ng	95
26) Fluoranthene	19.22	202	5615	0.246	ng	100
28) Pyrene	19.58	202	5254	0.246	ng	96
30) Benzo(a)anthracene	21.32	228	3865	0.156	ng	# 92
31) Chrysene	21.38	228	4291	0.150	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.25	149	10187	0.437	ng	# 96
33) Indeno(1,2,3-cd)pyrene	26.46	276	2471	0.077	ng	# 96
35) Benzo(b)fluoranthene	23.06	252	5436	0.196	ng	# 77
36) Benzo(k)fluoranthene	23.11	252	1871m	0.059	ng	
37) Benzo(a)pyrene	23.72	252	3428	0.128	ng	# 79
38) Dibenzo(a,h)anthracene	26.48	278	679	0.025	ng	# 35
39) Benzo(a,h,i)perylene	27.28	276	2547	0.090	ng	# 89

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

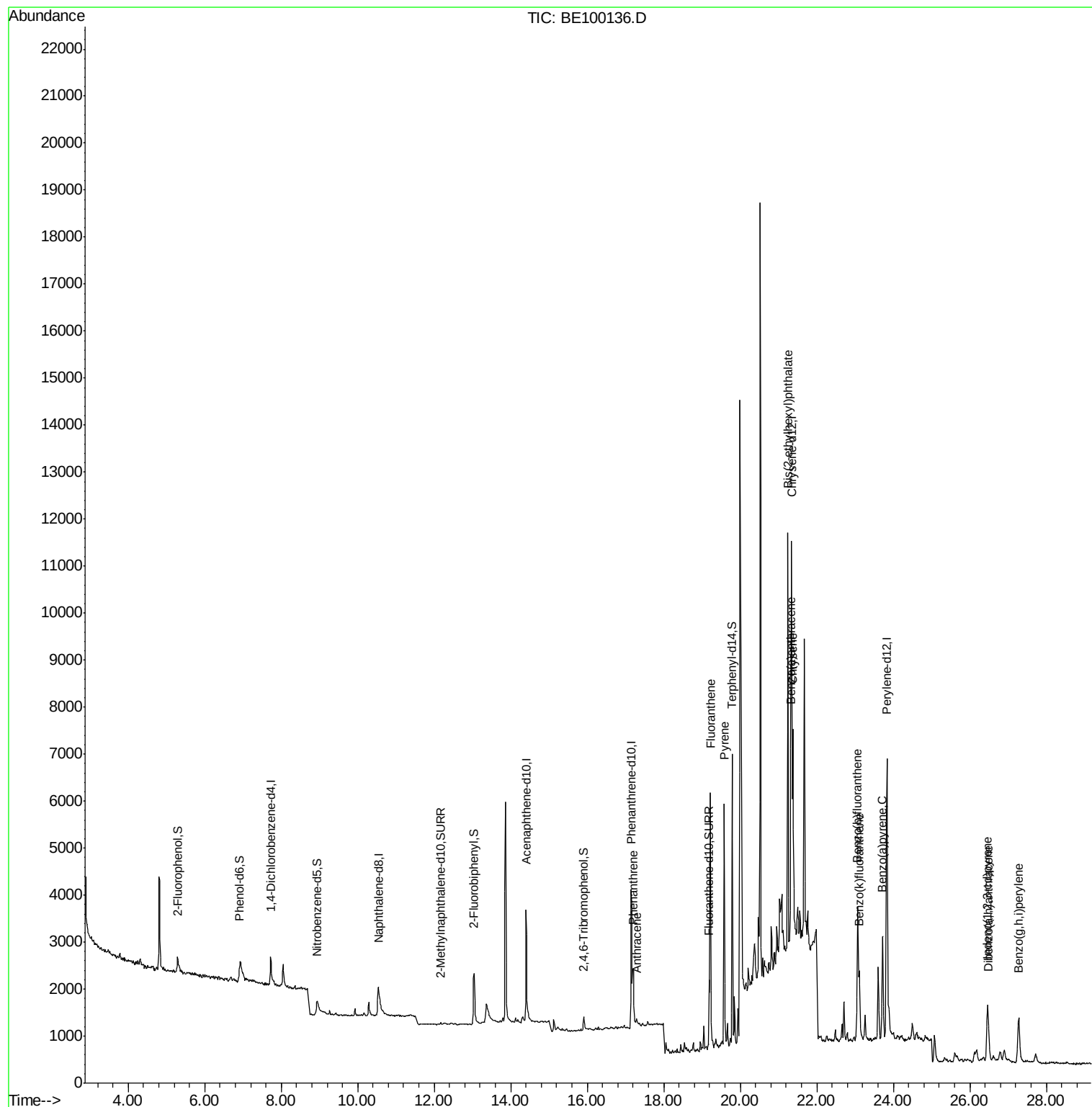
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
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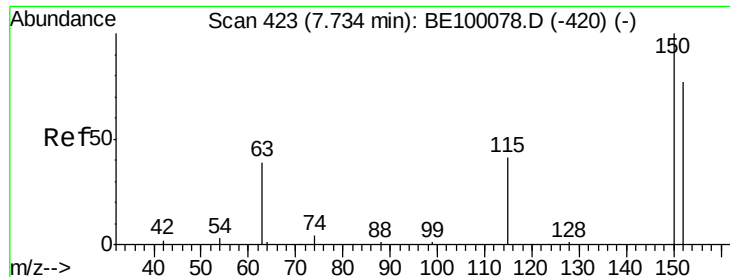
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PST-084-B046-061319

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#1

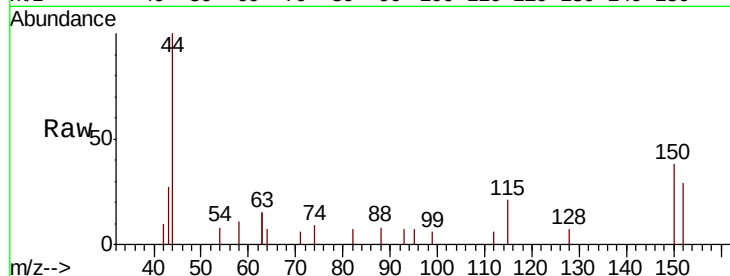
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B046-061319

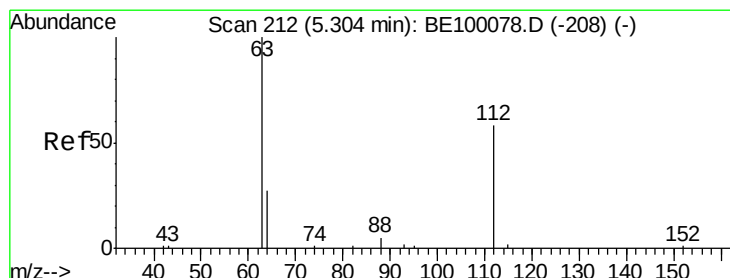
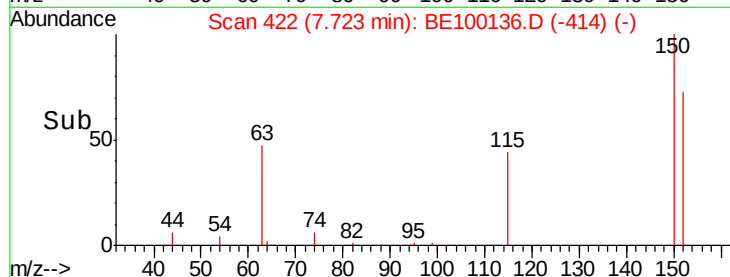
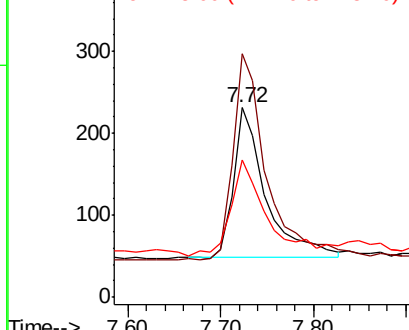
Tot Ion	Ratio	Lower	Upper
152	100		
150	128.6	99.8	149.8
115	72.7	51.3	76.9

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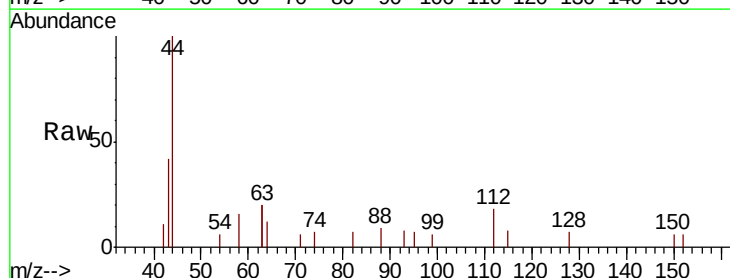
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



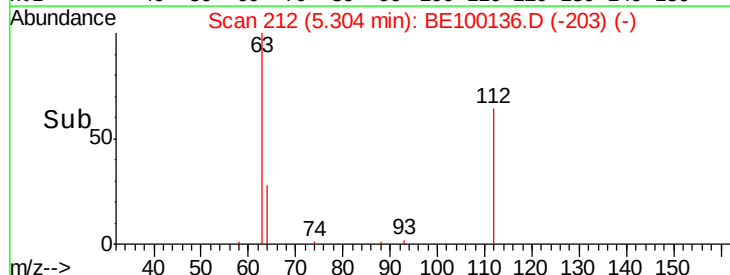
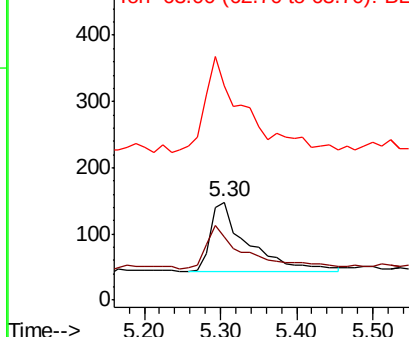
#4

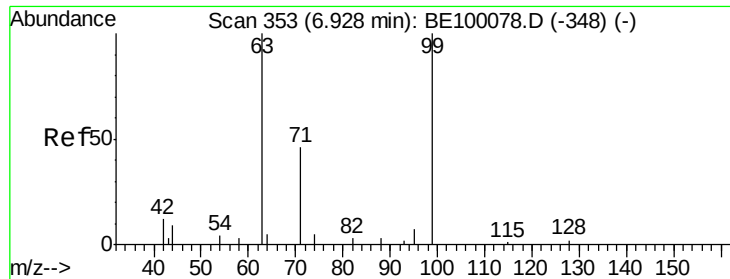
2-Fluorophenol
Concen: 0.381 ng
RT: 5.30 min Scan# 212
Delta R.T. 0.00 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	22.0	33.0#
63	147.7	121.8	182.6



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: 0.413 ng

RT: 6.92 min Scan# 352

Delta R.T. -0.01 min

Lab File: BE100136.D

Acq: 21 Jun 2019 15:04

Instrument :

BNA_E

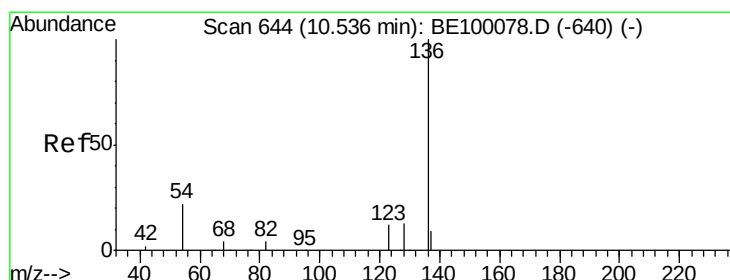
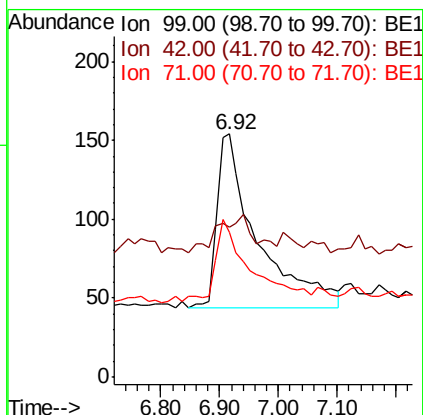
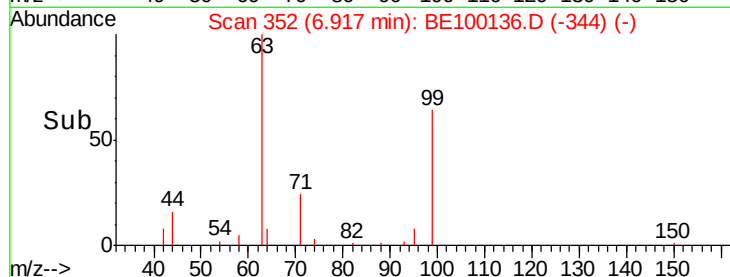
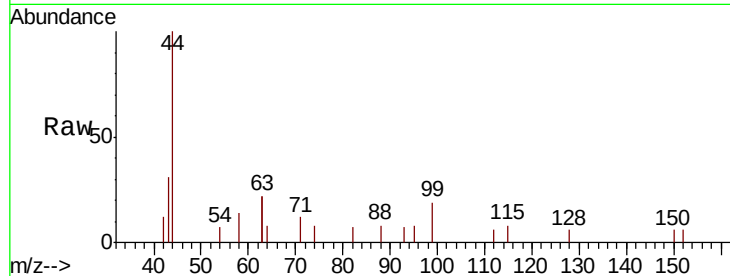
ClientSampleId :

PST-084-B046-061319

Tot Ion:	99	Resp:	516
Ion	Ratio	Lower	Upper
99	100		
42	0.0	0.0	0.0
71	40.3	37.6	56.4

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#7

Naphthalene-d8

Concen: 0.400 ng

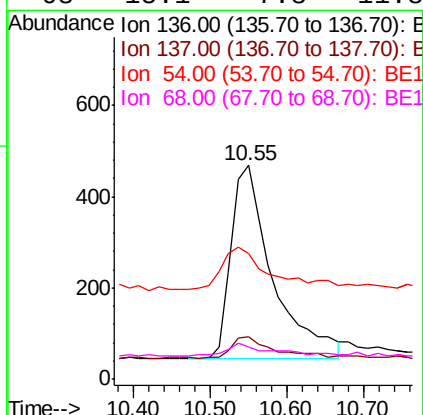
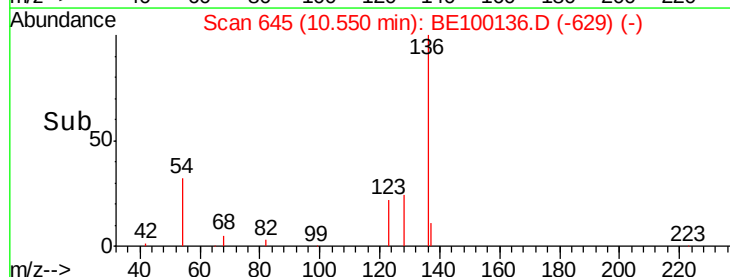
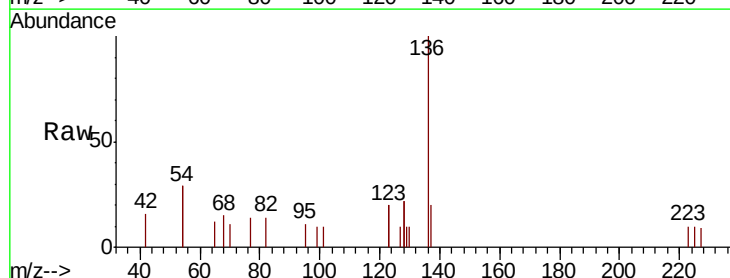
RT: 10.55 min Scan# 645

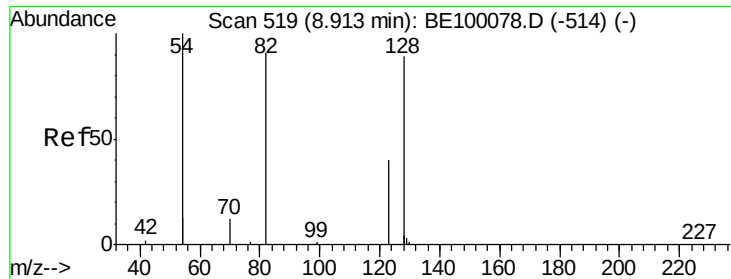
Delta R.T. 0.01 min

Lab File: BE100136.D

Acq: 21 Jun 2019 15:04

Tgt Ion:	136	Resp:	1597
Ion	Ratio	Lower	Upper
136	100		
137	19.6	11.6	17.4#
54	58.4	33.9	50.9#
68	15.1	7.8	11.8#





#8

Nitrobenzene-d5

Concen: 0.261 ng

RT: 8.94 min Scan# 521

Delta R.T. 0.03 min

Lab File: BE100136.D

Acq: 21 Jun 2019 15:04

Instrument :

BNA_E

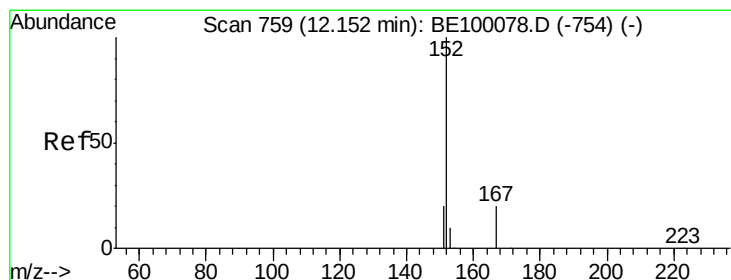
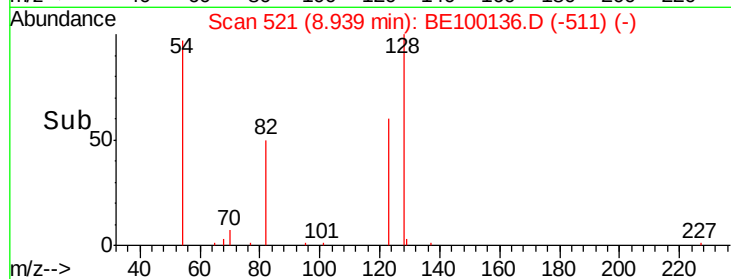
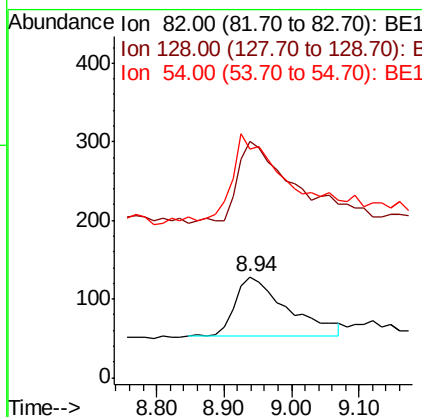
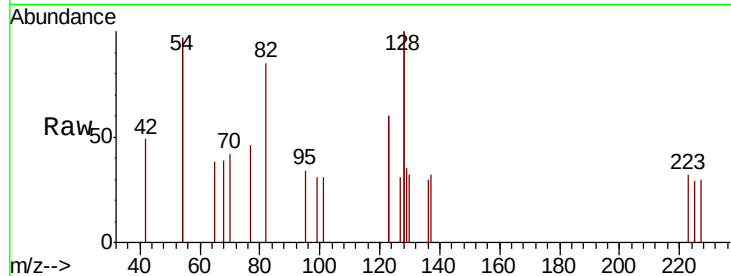
ClientSampleId :

PST-084-B046-061319

Tot Ion:	82	Resp:	404
Ion	Ratio	Lower	Upper
82	100		
128	234.4	128.0	192.0#
54	226.6	143.4	215.0#

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#11

2-Methylnaphthalene-d10

Concen: 0.021 ng

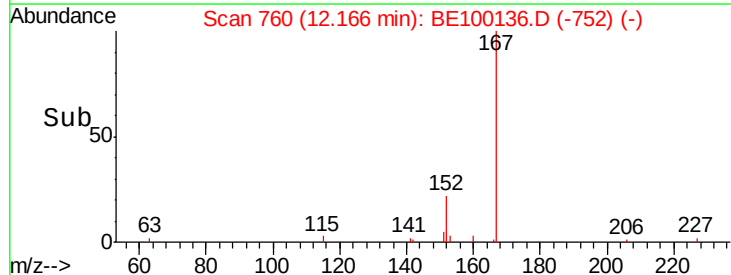
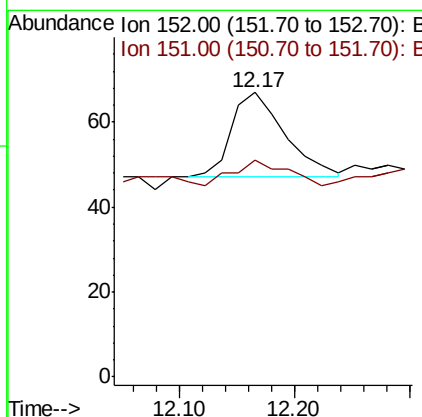
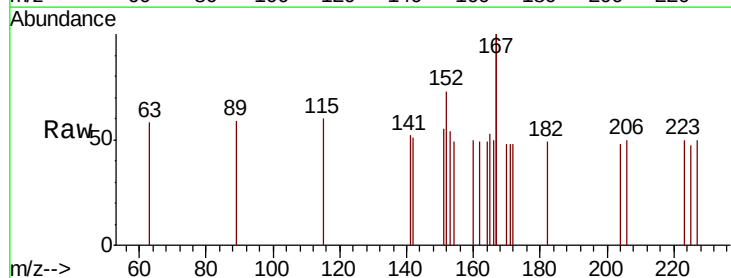
RT: 12.17 min Scan# 760

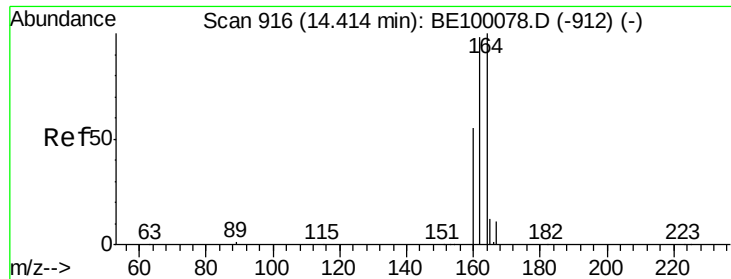
Delta R.T. 0.01 min

Lab File: BE100136.D

Acq: 21 Jun 2019 15:04

Tgt Ion:	152	Resp:	65
Ion	Ratio	Lower	Upper
152	100		
151	29.2	16.3	24.5#





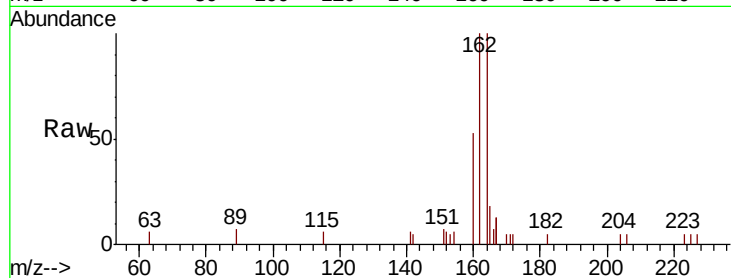
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B046-061319

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.9	78.2	117.2
160	53.5	45.6	68.4

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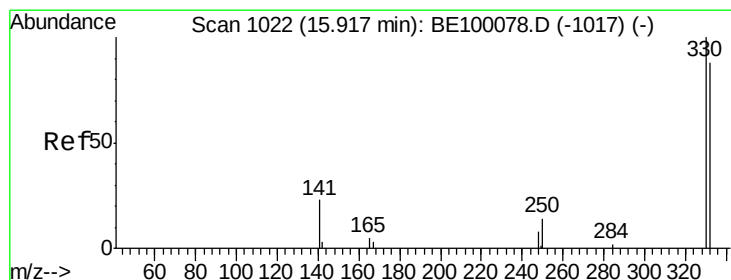
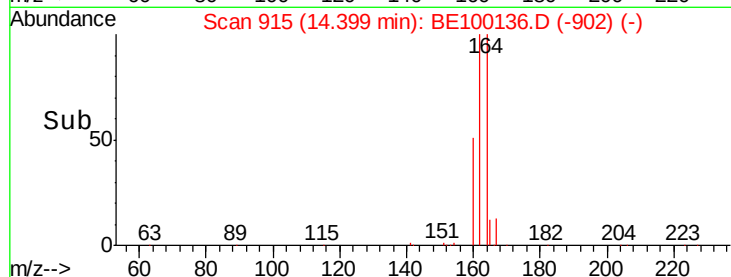
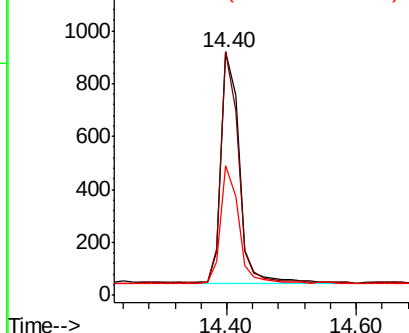


Abundance

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: 0.354 ng
RT: 15.90 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

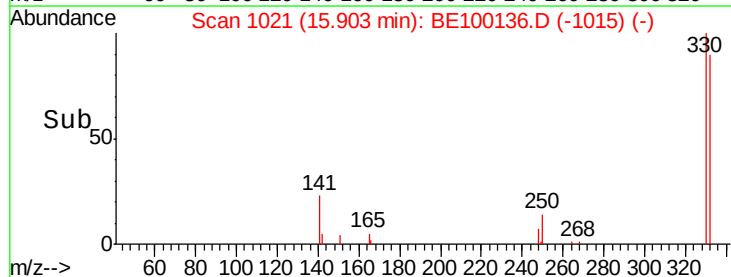
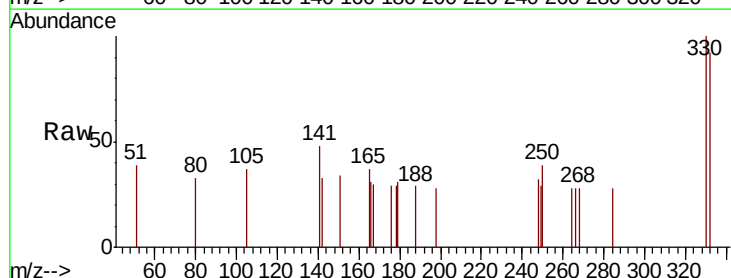
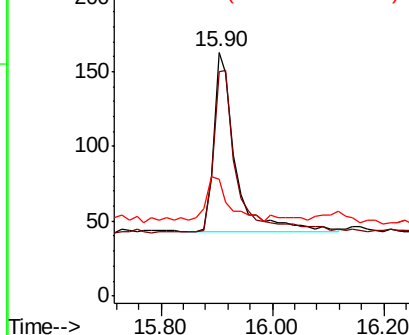
Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	73.3	109.9#
141	25.2	22.2	33.2

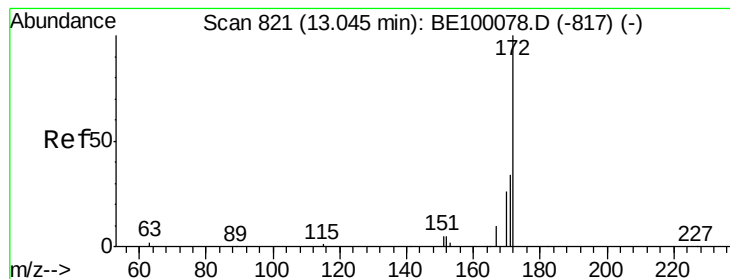
Abundance

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





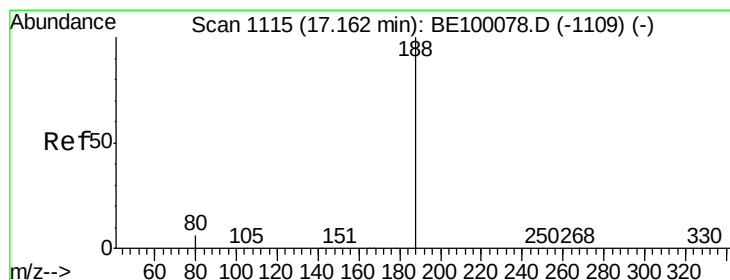
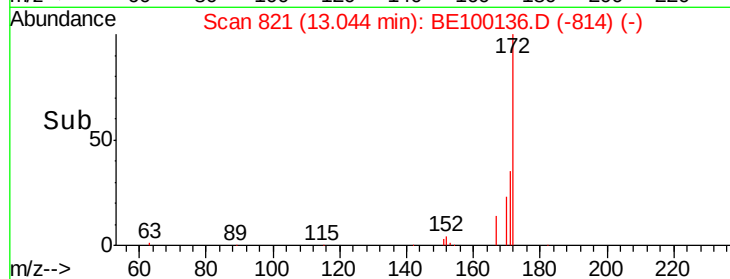
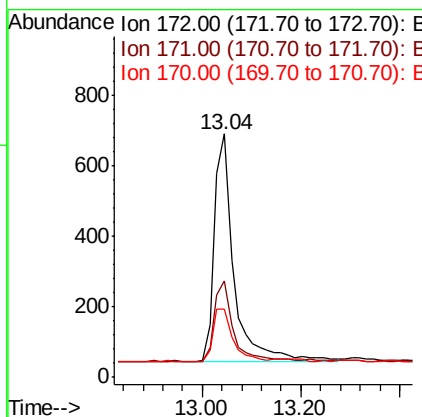
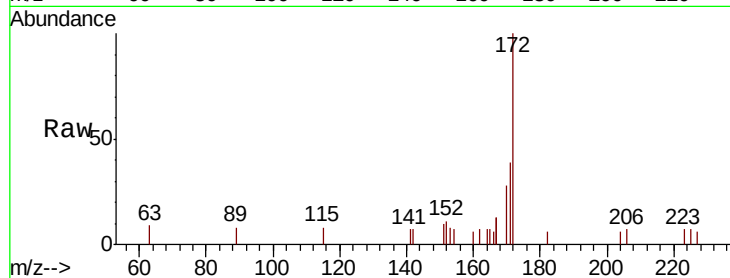
#15
2-Fluorobiphenyl
Concen: 0.268 ng
RT: 13.04 min Scan# 821
Delta R.T. -0.00 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B046-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.4	29.8	44.8
170	28.0	23.2	34.8

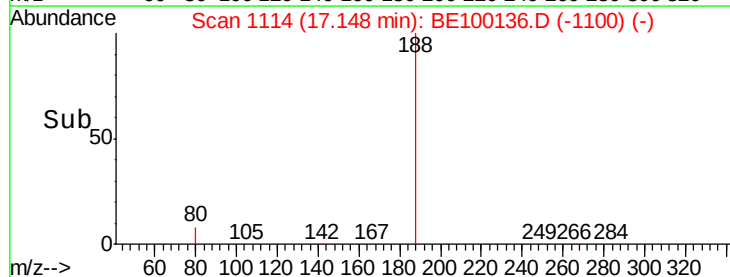
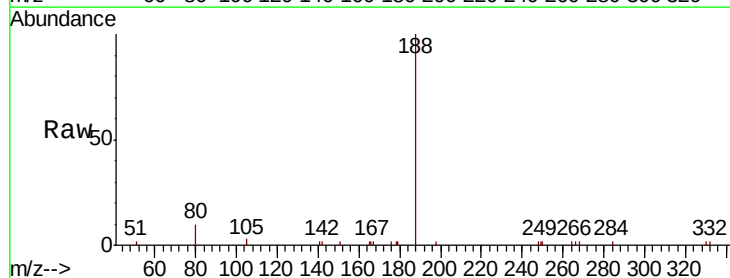
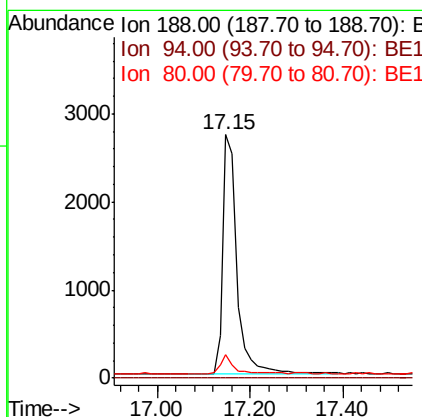
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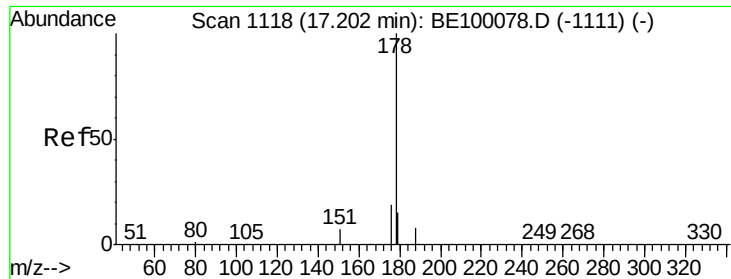
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.15 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	6.3	9.5





#23

Phenanthrene

Concen: 0.111 ng

RT: 17.20 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BE100136.D

Acq: 21 Jun 2019 15:04

Instrument :

BNA_E

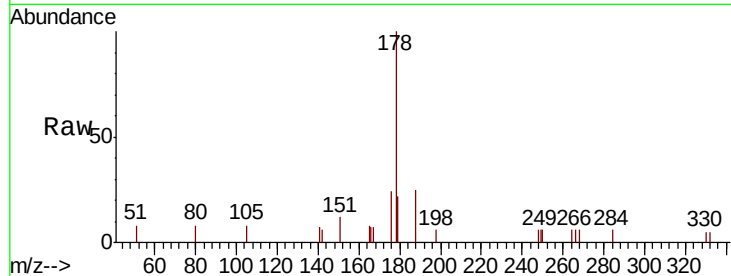
ClientSampleId :

PST-084-B046-061319

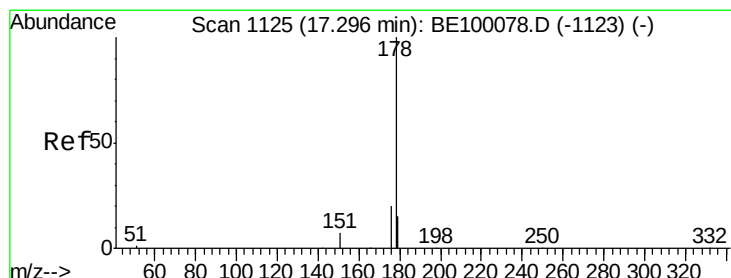
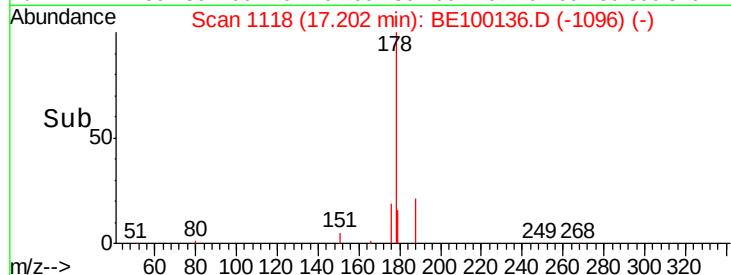
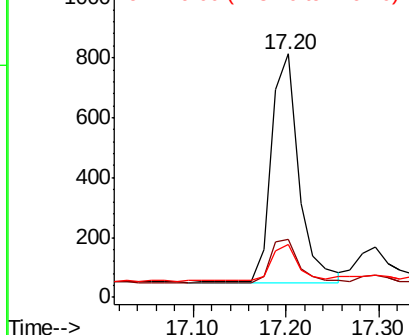
Tot Ion:178	Resp:	1573
Ion Ratio	Lower	Upper
178	100	
176	21.0	15.9 23.9
179	14.9	13.1 19.7

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.022 ng

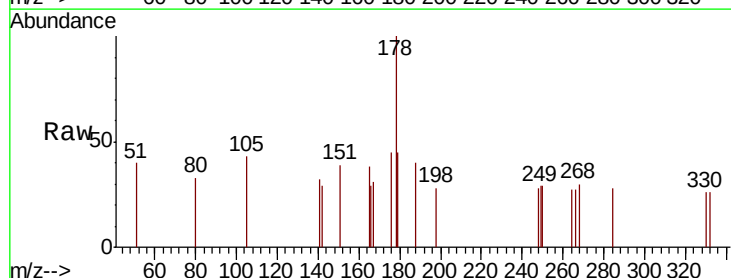
RT: 17.30 min Scan# 1125

Delta R.T. 0.00 min

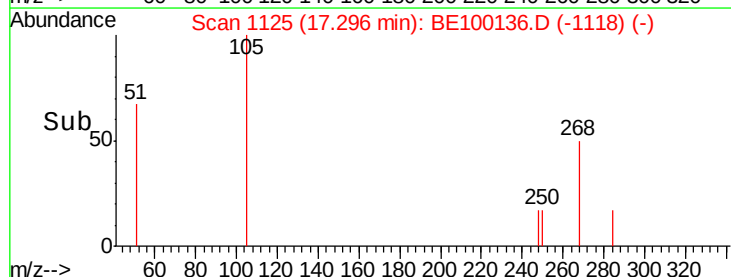
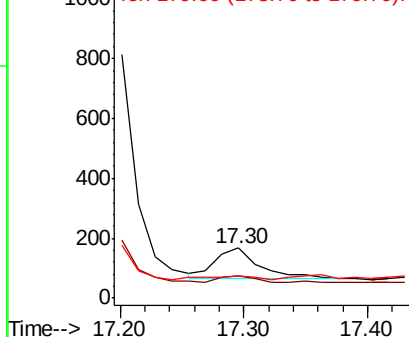
Lab File: BE100136.D

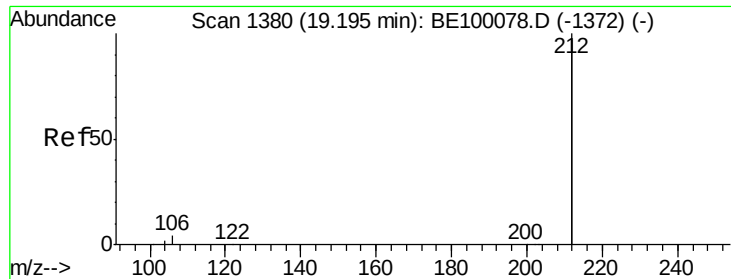
Acq: 21 Jun 2019 15:04

Tgt Ion:178	Resp:	260
Ion Ratio	Lower	Upper
178	100	
176	17.7	15.8 23.6
179	12.7	12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.024 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.01 min

Lab File: BE100136.D

Acq: 21 Jun 2019 15:04

Instrument :

BNA_E

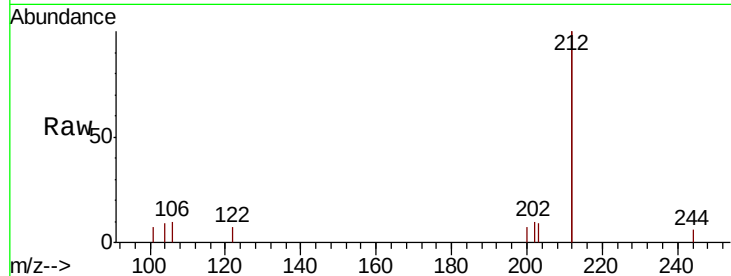
ClientSampleId :

PST-084-B046-061319

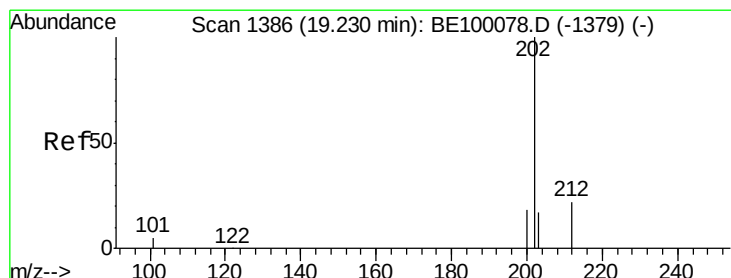
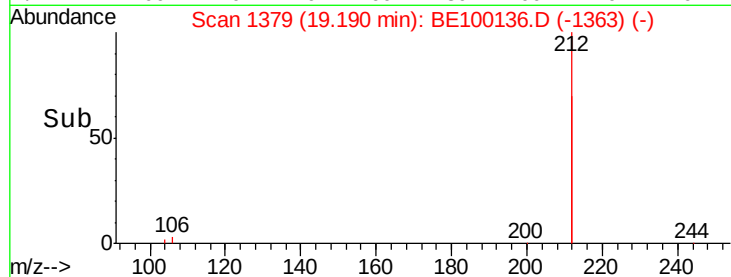
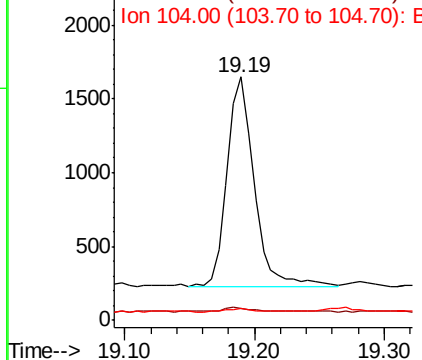
Tot Ion:	212	Resp:	2040
Ion Ratio	Lower	Upper	
212	100		
106	2.8	1.4	2.0#
104	1.7	0.8	1.2#

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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: 0.246 ng

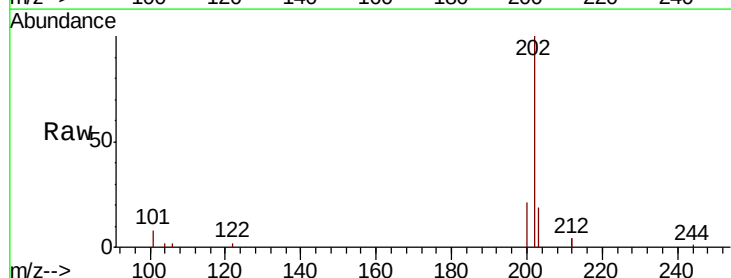
RT: 19.22 min Scan# 1384

Delta R.T. -0.01 min

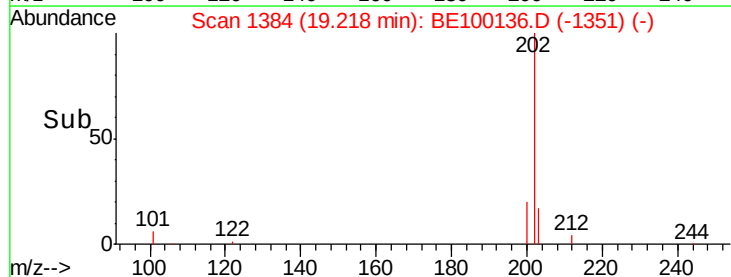
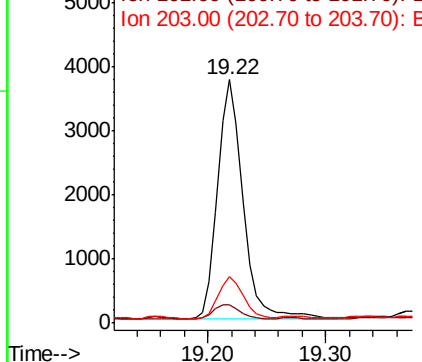
Lab File: BE100136.D

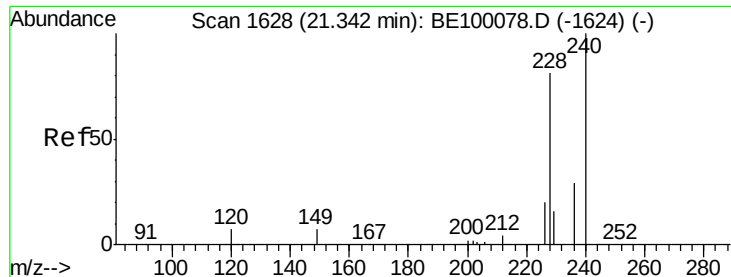
Acq: 21 Jun 2019 15:04

Tgt Ion:	202	Resp:	5615
Ion Ratio	Lower	Upper	
202	100		
101	6.4	5.0	7.4
203	17.0	13.7	20.5



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





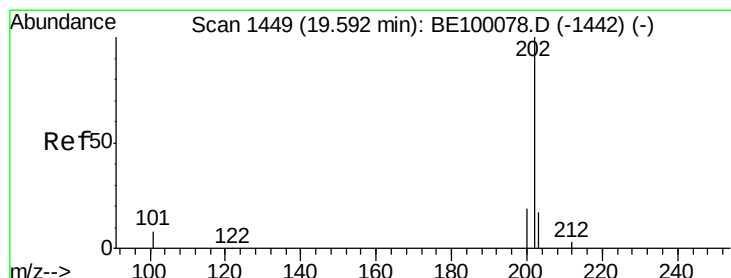
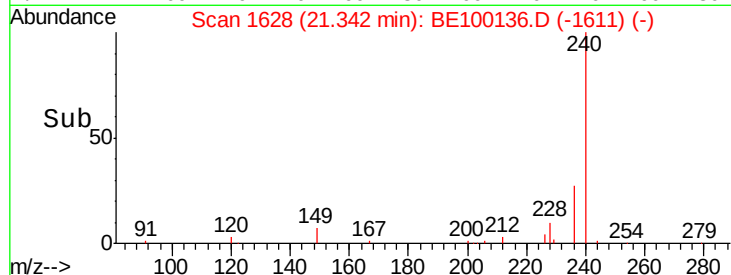
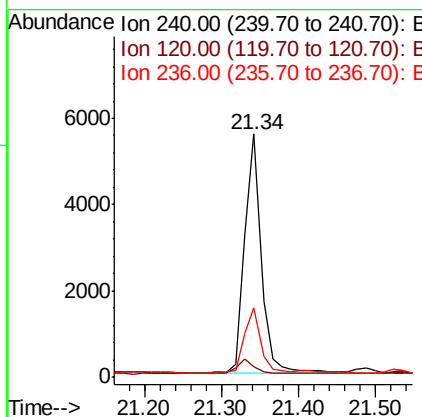
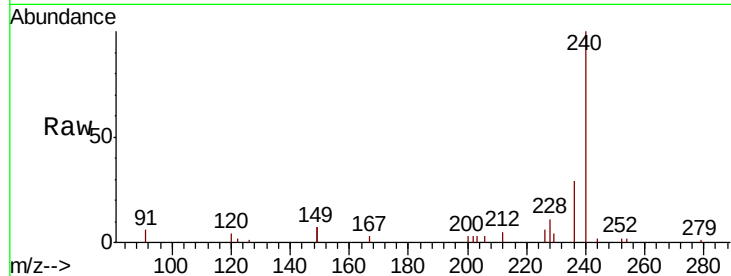
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.34 min Scan# 1628
 Delta R.T. 0.00 min
 Lab File: BE100136.D
 Acq: 21 Jun 2019 15:04

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B046-061319

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.2	6.6	10.0#
236	28.8	23.8	35.6

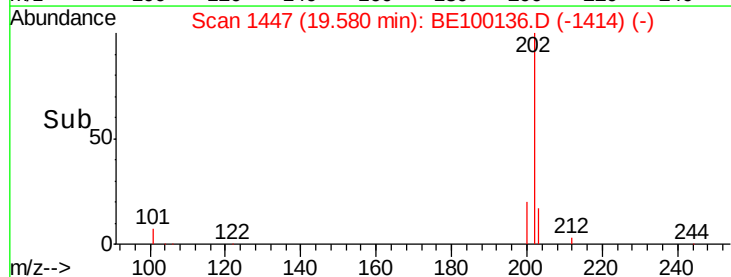
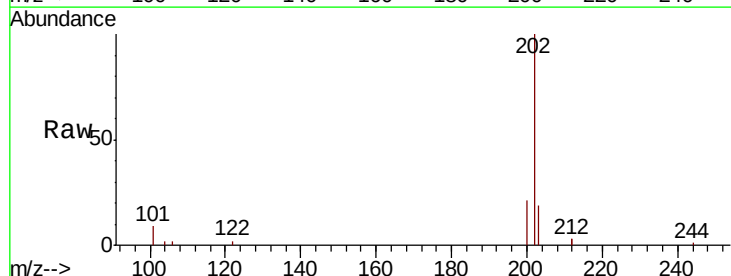
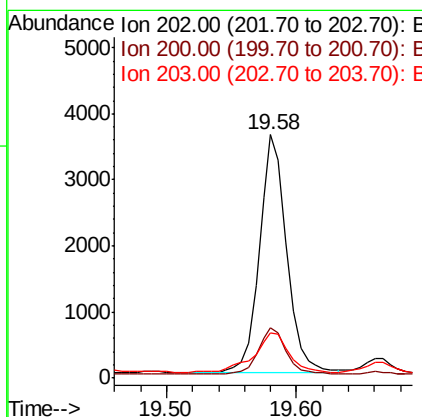
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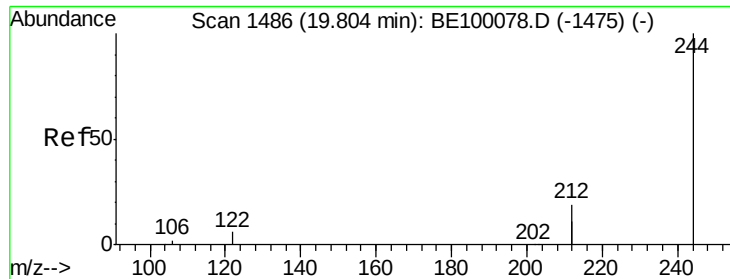
mohammad
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#28
 Pyrene
 Concen: 0.246 ng
 RT: 19.58 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BE100136.D
 Acq: 21 Jun 2019 15:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.6	23.4
203	20.6	13.9	20.9





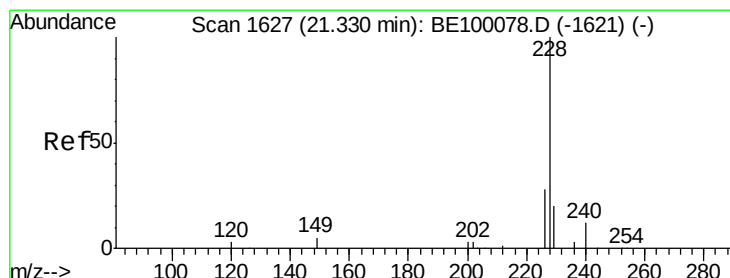
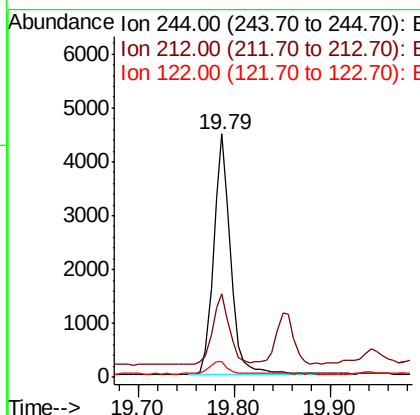
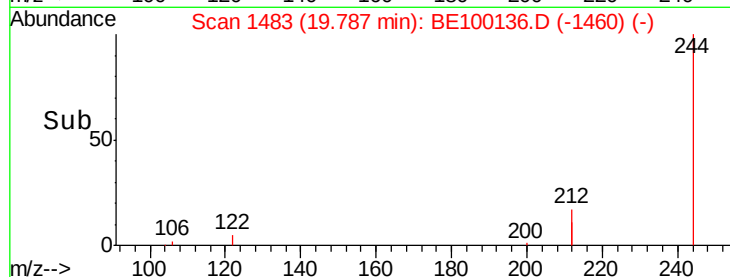
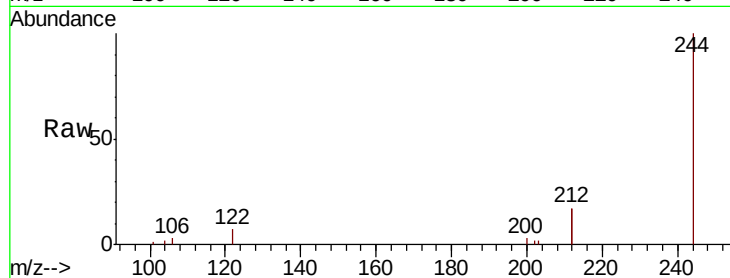
#29
 Terphenyl-d14
 Concen: 0.335 ng
 RT: 19.79 min Scan# 1483
 Delta R.T. -0.02 min
 Lab File: BE100136.D
 Acq: 21 Jun 2019 15:04

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B046-061319

Tot Ion	Ratio	Lower	Upper
244	100		
212	34.1	29.8	44.8
122	6.6	6.1	9.1

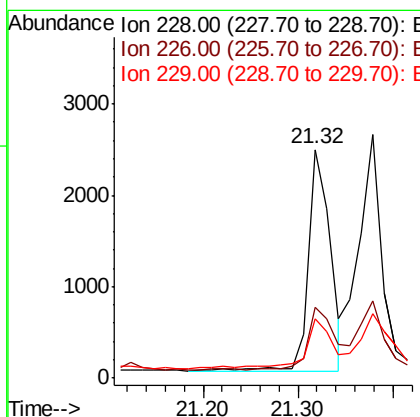
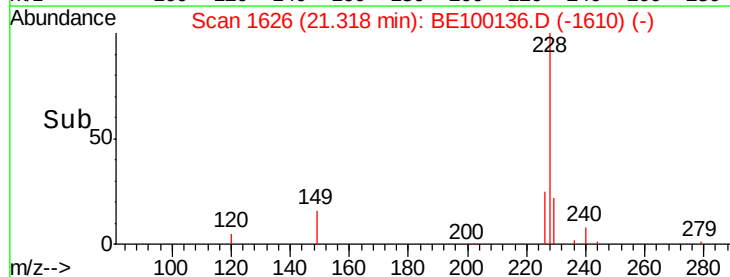
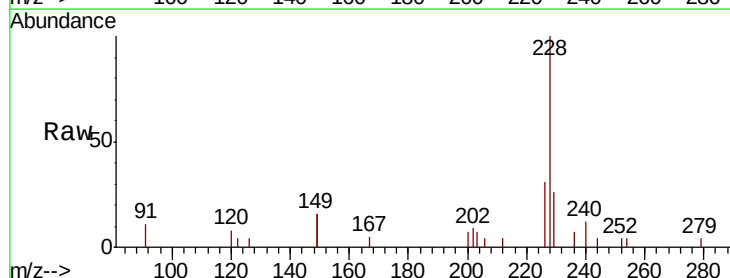
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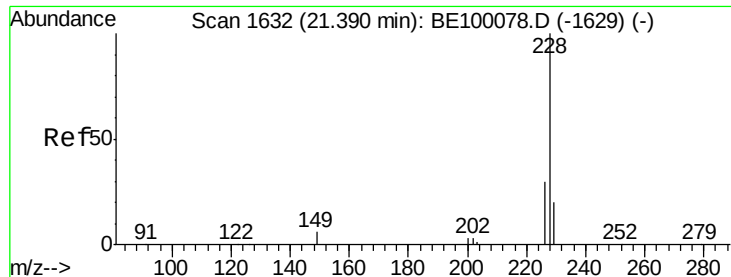
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#30
 Benzo(a)anthracene
 Concen: 0.156 ng
 RT: 21.32 min Scan# 1626
 Delta R.T. -0.01 min
 Lab File: BE100136.D
 Acq: 21 Jun 2019 15:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.0	34.4
229	26.2	16.4	24.6





#31

Chrysene

Concen: 0.150 ng

RT: 21.38 min Scan# 1631

Delta R.T. -0.01 min

Lab File: BE100136.D

Acq: 21 Jun 2019 15:04

Instrument :

BNA_E

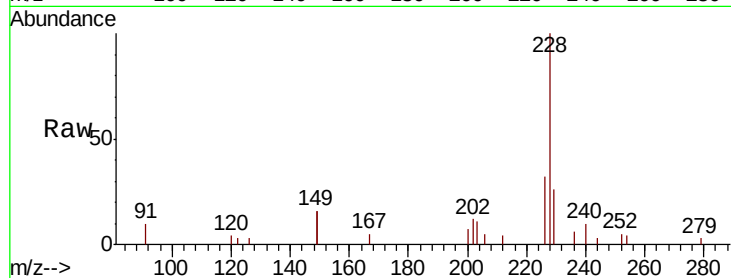
ClientSampleId :

PST-084-B046-061319

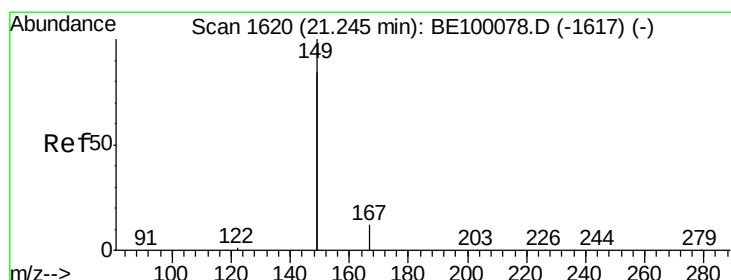
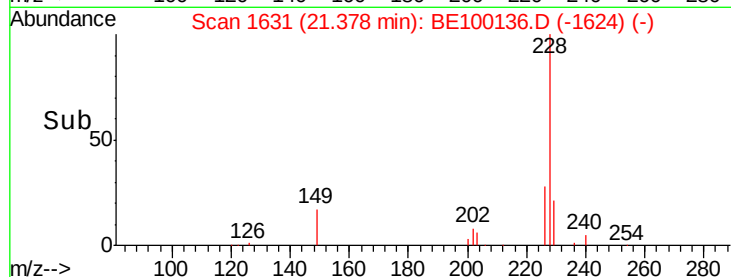
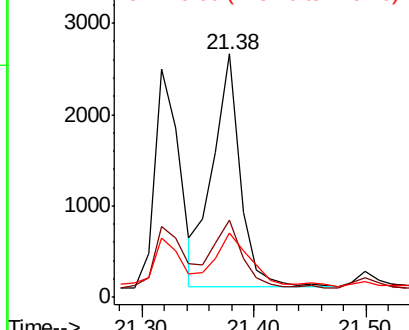
Tot Ion:	228	Resp:	4291
Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.8	35.8
229	26.2	16.3	24.5#

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.437 ng

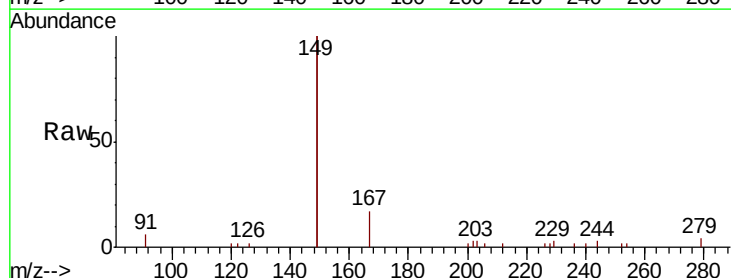
RT: 21.25 min Scan# 1620

Delta R.T. 0.00 min

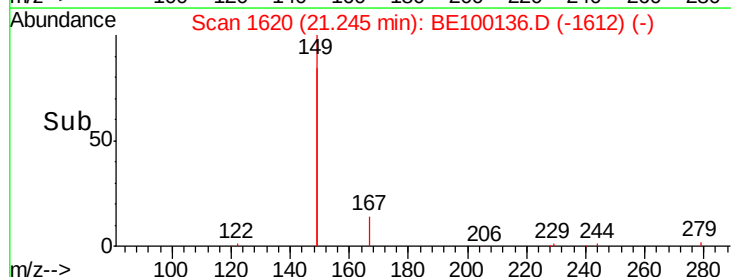
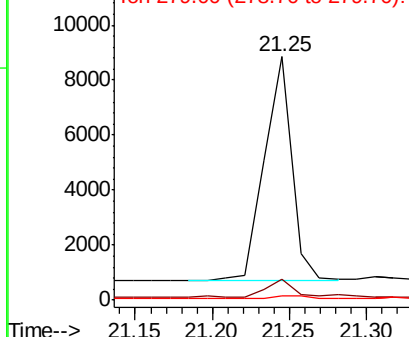
Lab File: BE100136.D

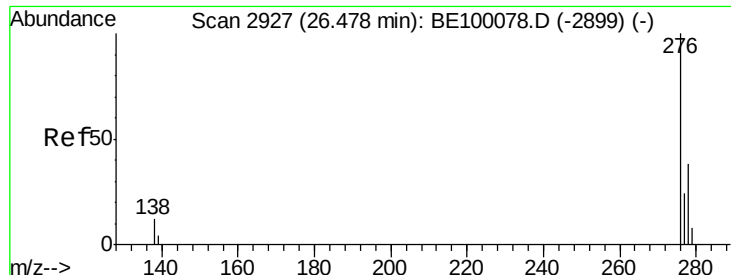
Acq: 21 Jun 2019 15:04

Tgt Ion:	149	Resp:	10187
Ion	Ratio	Lower	Upper
149	100		
167	8.7	5.8	8.6#
279	1.4	1.1	1.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





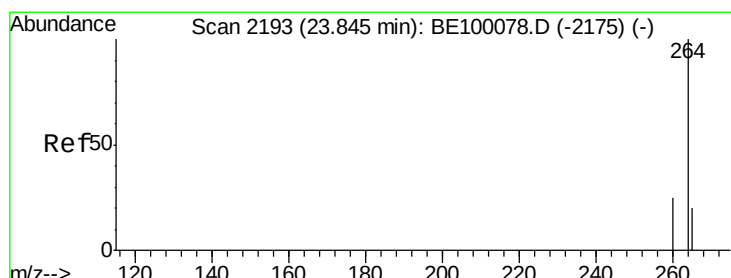
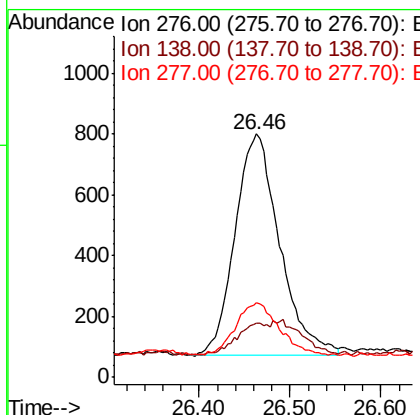
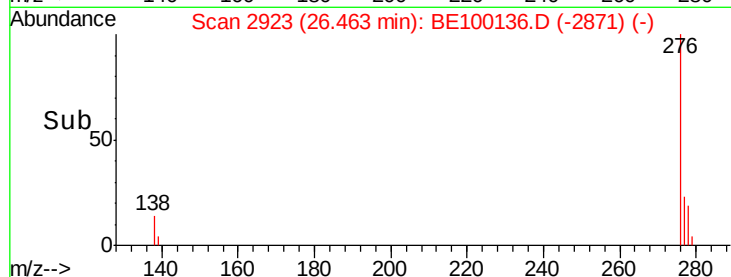
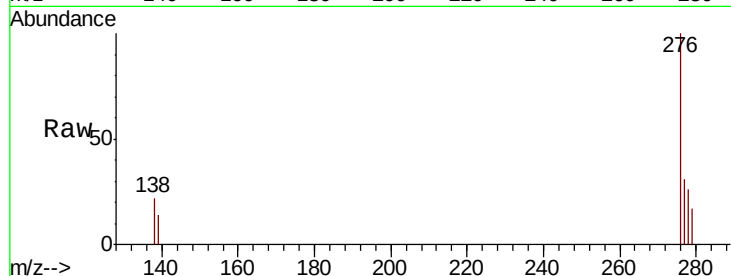
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.077 ng
 RT: 26.46 min Scan# 2923
 Delta R.T. -0.01 min
 Lab File: BE100136.D
 Acq: 21 Jun 2019 15:04

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B046-061319

Tot Ion	Ratio	Lower	Upper
276	100		
138	8.5	4.3	6.5#
277	22.7	19.4	29.0

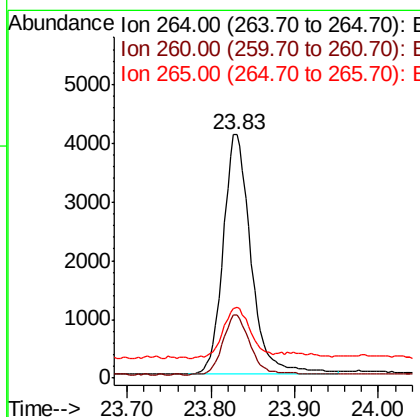
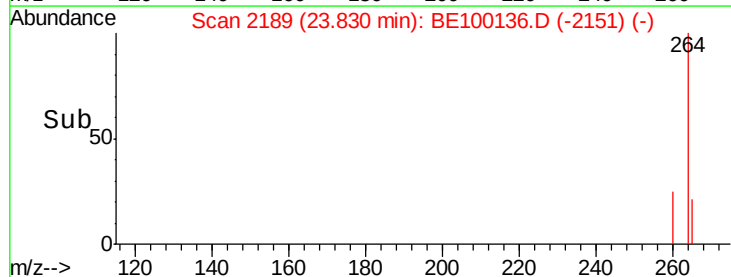
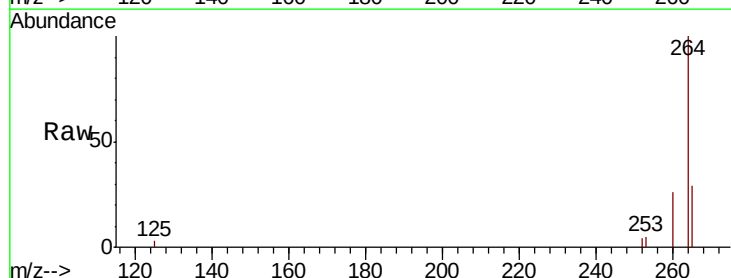
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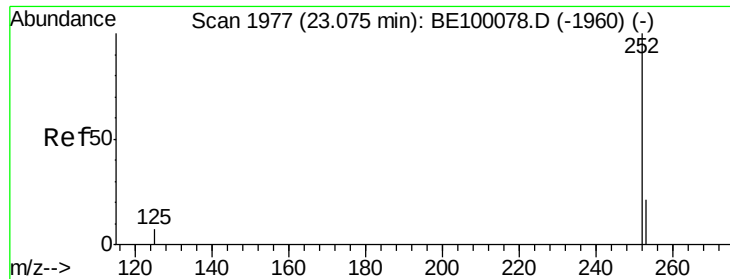
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.83 min Scan# 2189
 Delta R.T. -0.01 min
 Lab File: BE100136.D
 Acq: 21 Jun 2019 15:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.8	31.2
265	29.2	23.2	34.8





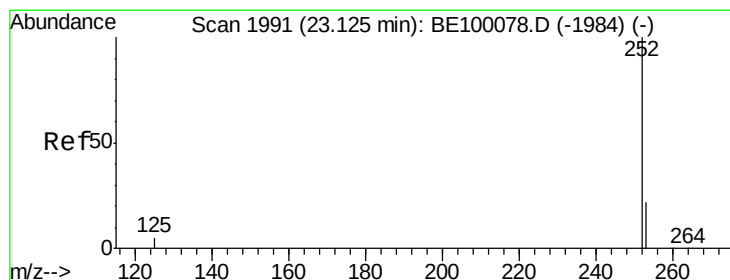
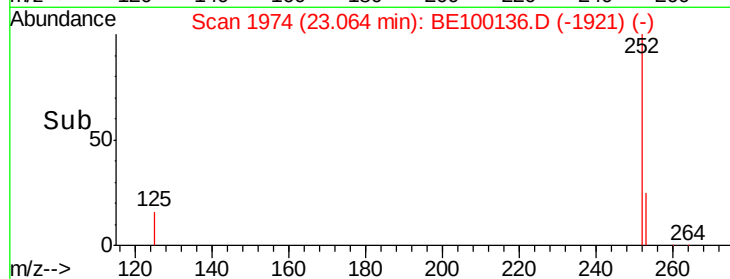
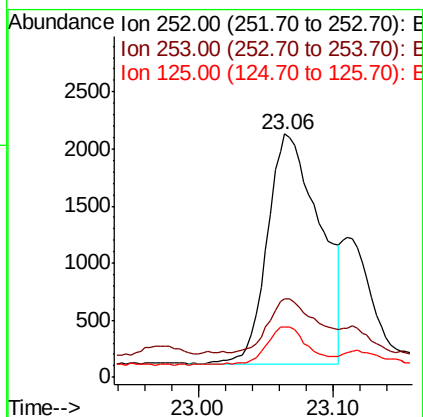
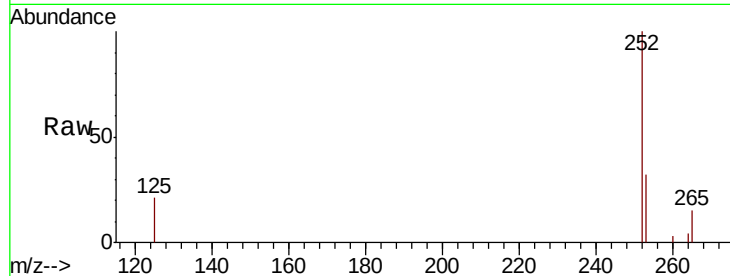
#35
Benzo(b)fluoranthene
Concen: 0.196 ng
RT: 23.06 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B046-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.3	18.4	27.6#
125	20.7	6.4	9.6#

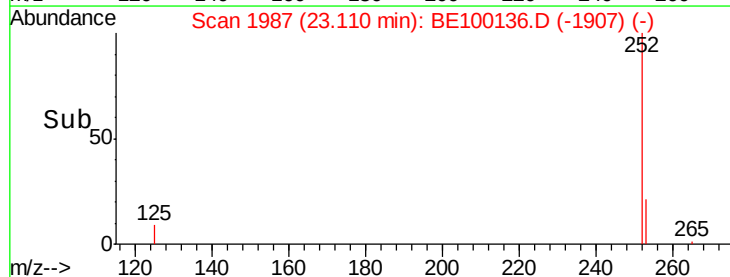
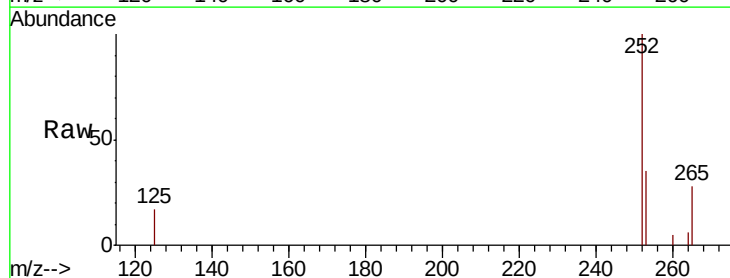
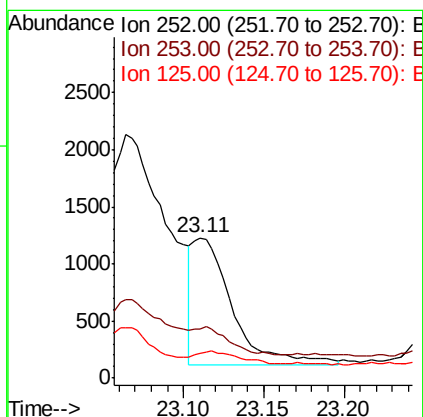
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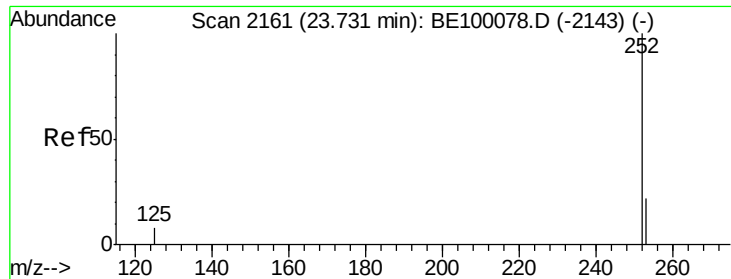
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#36
Benzo(k)fluoranthene
Concen: 0.059 ng m
RT: 23.11 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.6	18.9	28.3#
125	17.4	5.3	7.9#





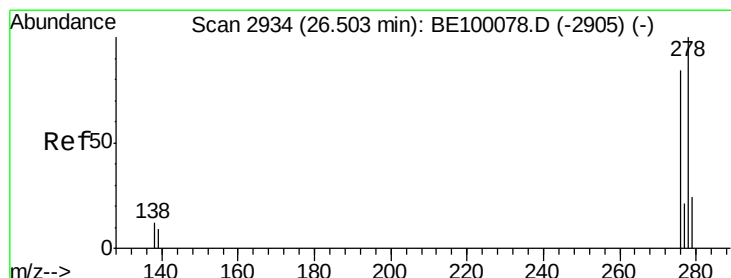
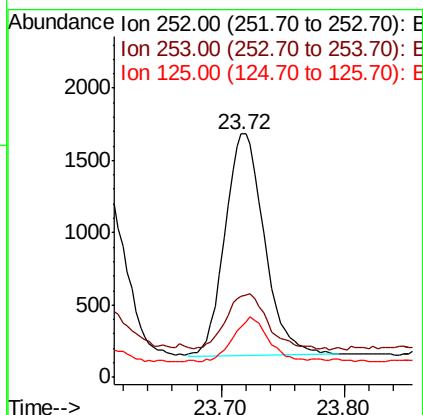
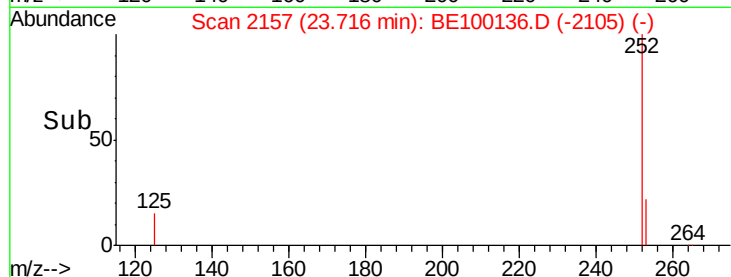
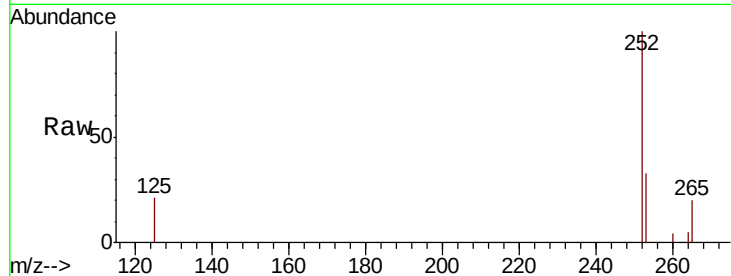
#37
Benzo(a)pyrene
Concen: 0.128 ng
RT: 23.72 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Instrument :
BNA_E
ClientSampleId :
PST-084-B046-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.3	19.4	29.2#
125	20.8	8.0	12.0#

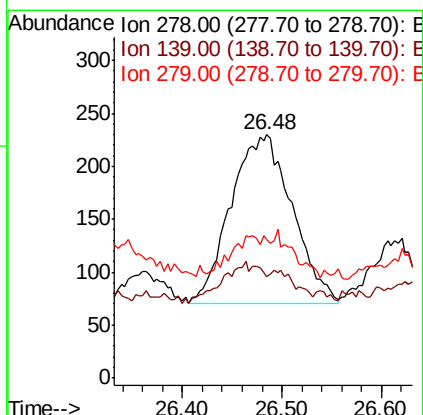
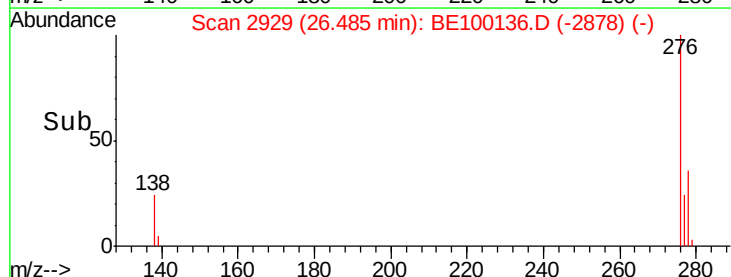
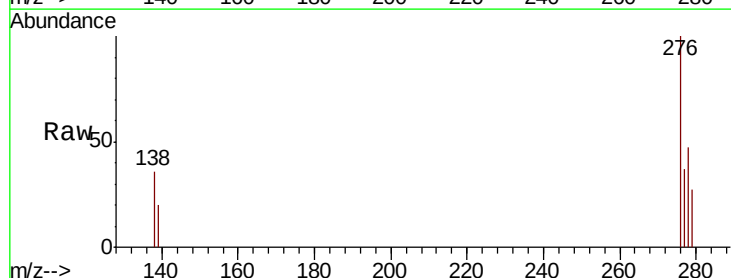
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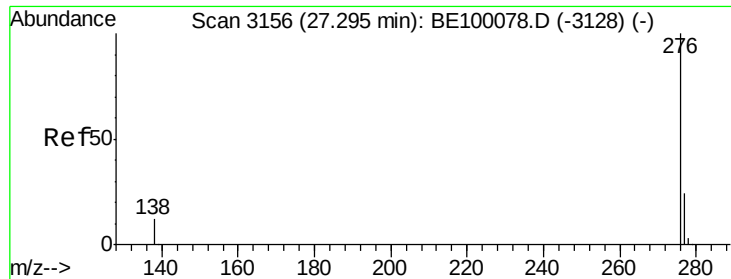
mohammad
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#38
Dibenzo(a,h)anthracene
Concen: 0.025 ng
RT: 26.48 min Scan# 2929
Delta R.T. -0.02 min
Lab File: BE100136.D
Acq: 21 Jun 2019 15:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	41.7	9.0	13.6#
279	57.0	21.4	32.0#





#39

Benzo(a,h,i)perylene

Concen: 0.090 ng

RT: 27.28 min Scan# 3151

Delta R.T. -0.02 min

Lab File: BE100136.D

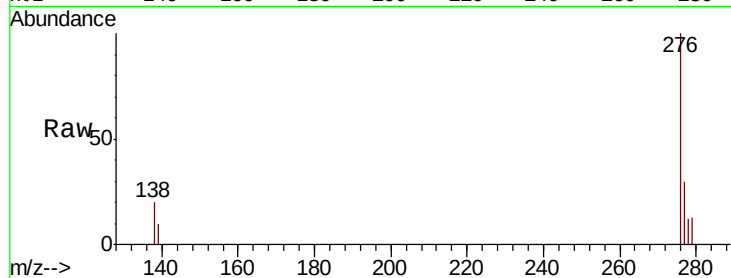
Acq: 21 Jun 2019 15:04

Instrument :

BNA_E

ClientSampleId :

PST-084-B046-061319



Tot Ion:	276	Resp:	2547
Ion Ratio	Lower	Upper	
276	100		
277	29.6	20.3	30.5
138	20.2	11.3	16.9

Manual Integrations
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