

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
 Data File : BE100132.D
 Acq On : 21 Jun 2019 12:40
 Operator : JU/SJ
 Sample : K3428-20
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B045-061319

Manual Integrations
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Quant Time: Jun 22 02:13:53 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	7.73	152	428	0.40	ng	0.00
7) Naphthalene-d8	10.56	136	1501	0.40	ng	0.03
13) Acenaphthene-d10	14.41	164	1706	0.40	ng	0.00
19) Phenanthrene-d10	17.16	188	5749	0.40	ng	0.00
27) Chrysene-d12	21.34	240	7022	0.40	ng	0.00
34) Perylene-d12	23.84	264	7020	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0d	0.00	ng	
5) Phenol-d6	6.93	99	463	0.38	ng	0.00
8) Nitrobenzene-d5	8.97	82	394	0.27	ng	0.05
11) 2-Methylnaphthalene-d10	12.20	152	78	0.03	ng	0.04
14) 2,4,6-Tribromophenol	15.94	330	145	0.15	ng	0.03
15) 2-Fluorobiphenyl	13.06	172	1722	0.26	ng	0.02
25) Fluoranthene-d10	19.20	212	1603	0.02	ng	0.00
29) Terphenyl-d14	19.79	244	4946	0.35	ng	-0.01

Target Compounds

						Qvalue
16) Acenaphthylene	14.14	152	370	0.046	ng	# 97
18) Fluorene	15.47	166	177	0.026	ng	# 96
22) Pentachlorophenol	16.92	266	76	0.304	ng	98
23) Phenanthrene	17.20	178	3640	0.264	ng	99
24) Anthracene	17.31	178	567	0.049	ng	# 91
26) Fluoranthene	19.22	202	6666	0.301	ng	99
28) Pyrene	19.59	202	7232	0.401	ng	98
30) Benzo(a)anthracene	21.33	228	3851	0.184	ng	95
31) Chrysene	21.38	228	4720	0.194	ng	97
32) Bis(2-ethylhexyl)phthalate	21.25	149	11739	0.596	ng	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	2597	0.095	ng	# 75
35) Benzo(b)fluoranthene	23.08	252	3647	0.177	ng	# 82
36) Benzo(k)fluoranthene	23.12	252	2896m	0.124	ng	
37) Benzo(a)pyrene	23.73	252	2777	0.140	ng	# 74
38) Dibenzo(a,h)anthracene	26.52	278	1445	0.071	ng	# 71
39) Benzo(g,h,i)perylene	27.30	276	2521	0.119	ng	# 89

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

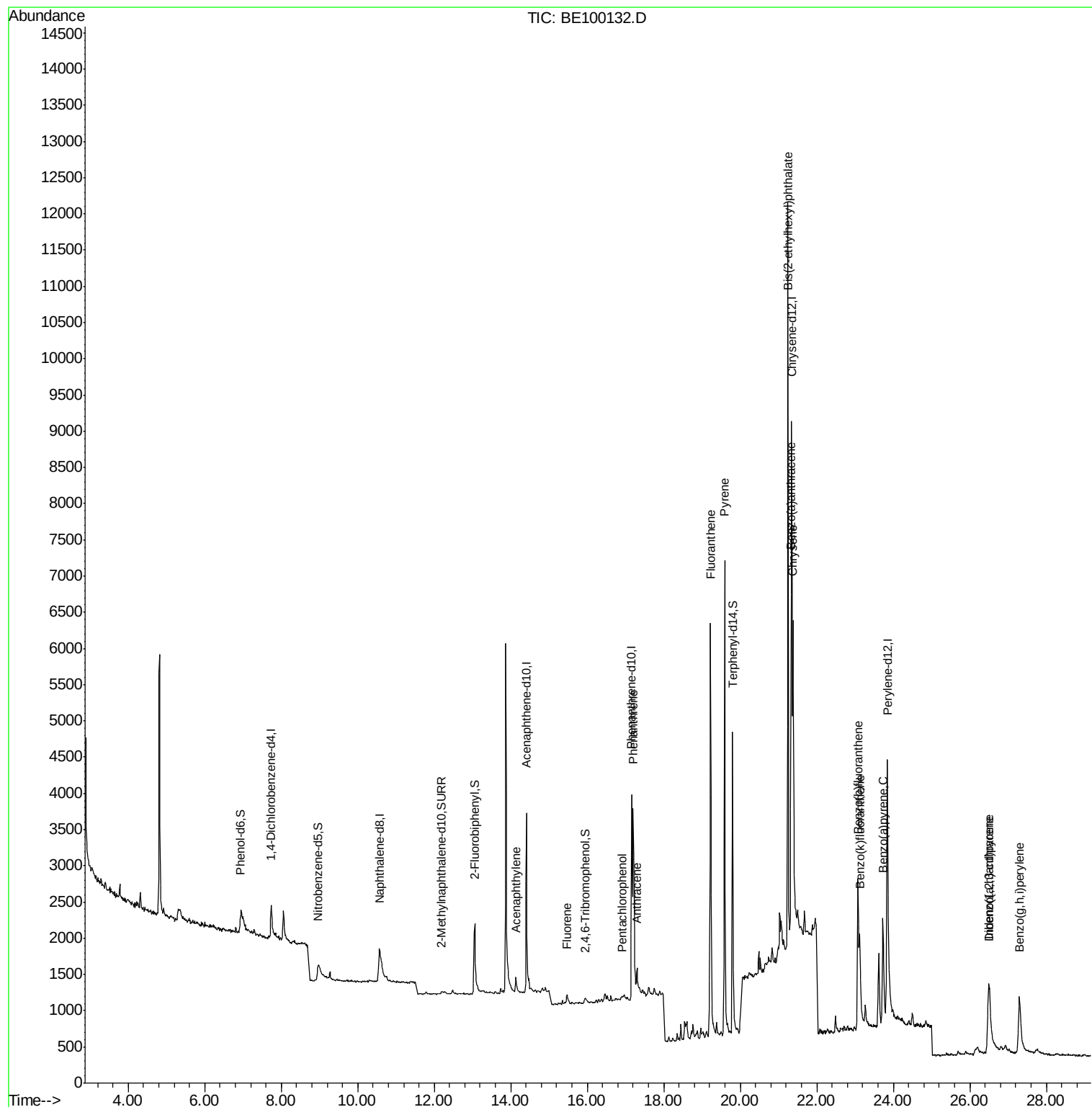
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
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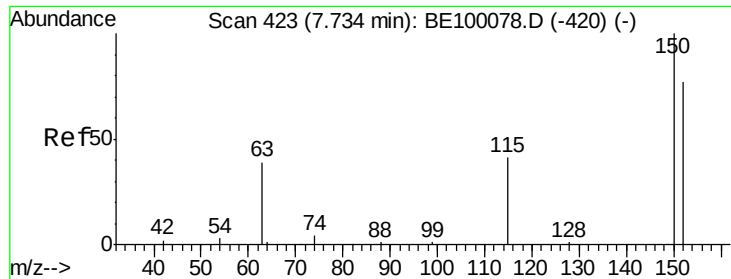
Instrument :
BNA_E
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PST-084-B045-061319

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#1

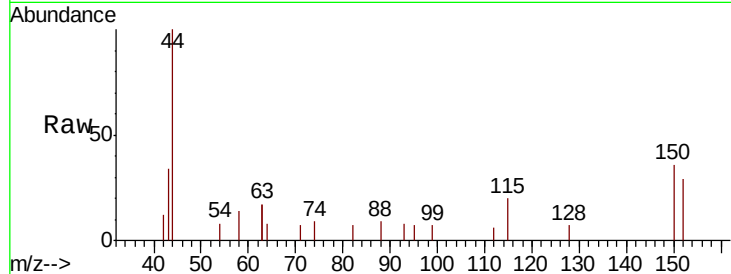
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 423
Delta R.T. 0.00 min
Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	125.5	99.8	149.8
115	68.4	51.3	76.9

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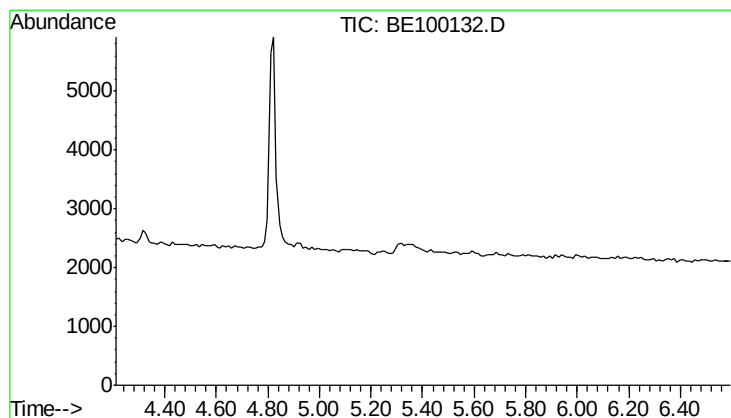
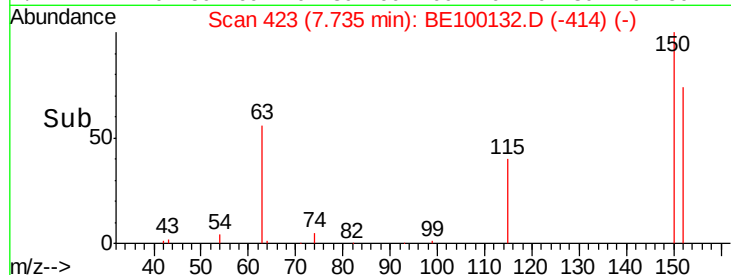
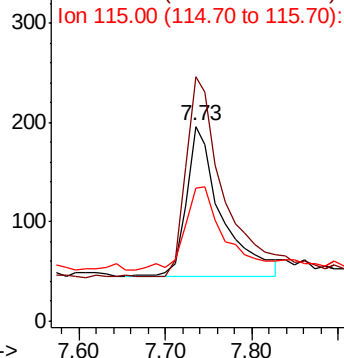


Abundance

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

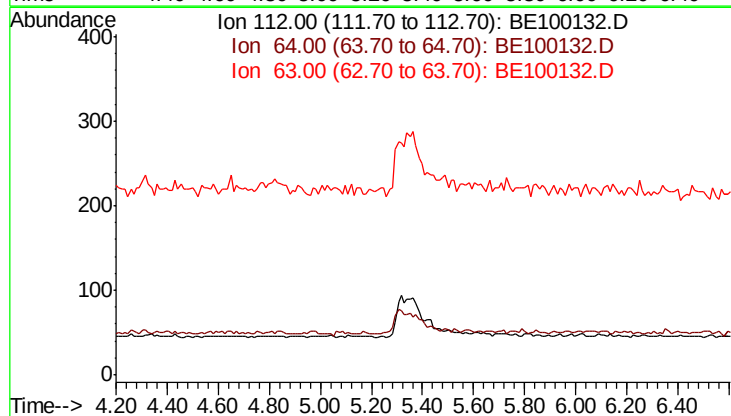


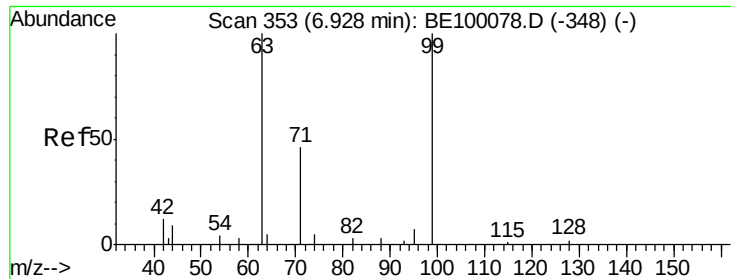
#4

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.30 min

Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Tgt Ion	Exp Ratio
112	100
64	27.5
63	152.2





#5

Phenol-d6

Concen: 0.380 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100132.D

Acq: 21 Jun 2019 12:40

Instrument :

BNA_E

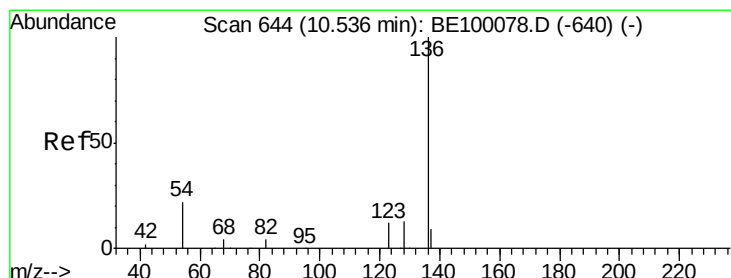
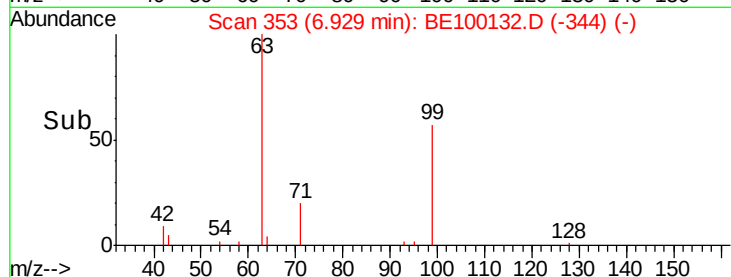
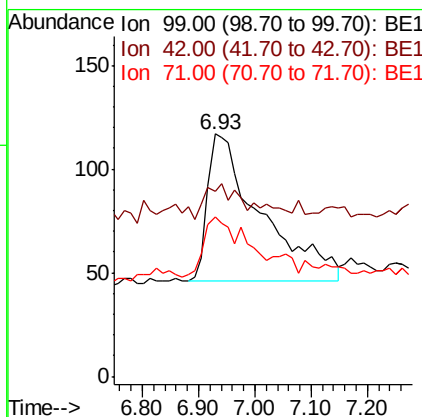
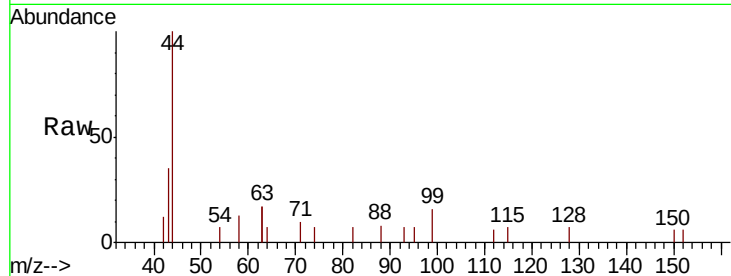
ClientSampleId :

PST-084-B045-061319

Tot Ion:	99	Resp:	463
Ion	Ratio	Lower	Upper
99	100		
42	13.2	0.0	0.0#
71	31.1	37.6	56.4#

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#7

Naphthalene-d8

Concen: 0.400 ng

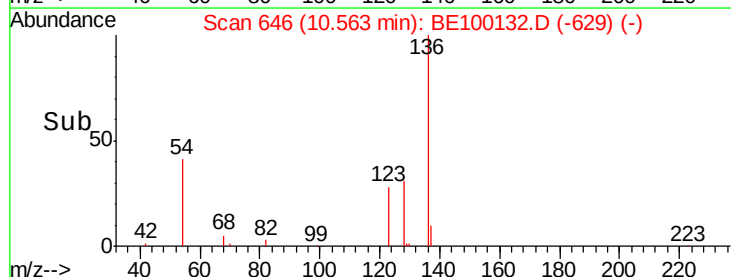
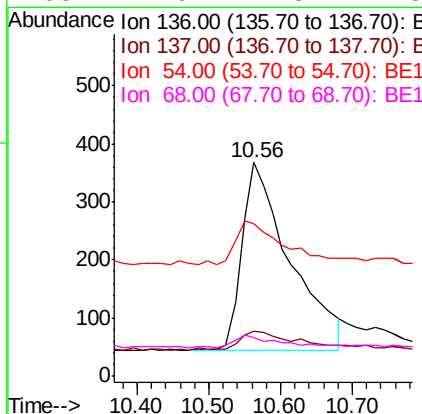
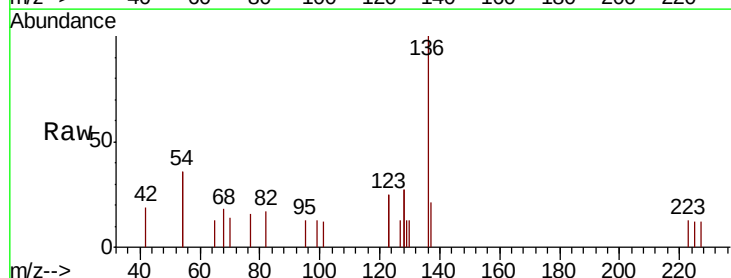
RT: 10.56 min Scan# 646

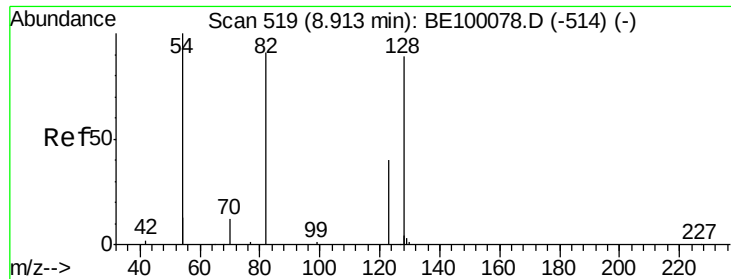
Delta R.T. 0.03 min

Lab File: BE100132.D

Acq: 21 Jun 2019 12:40

Tgt Ion:	136	Resp:	1501
Ion	Ratio	Lower	Upper
136	100		
137	21.2	11.6	17.4#
54	71.2	33.9	50.9#
68	17.9	7.8	11.8#





#8

Nitrobenzene-d5

Concen: 0.271 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.05 min

Lab File: BE100132.D

Acq: 21 Jun 2019 12:40

Instrument :

BNA_E

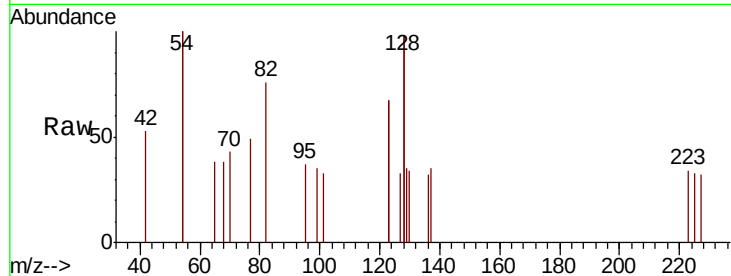
ClientSampleId :

PST-084-B045-061319

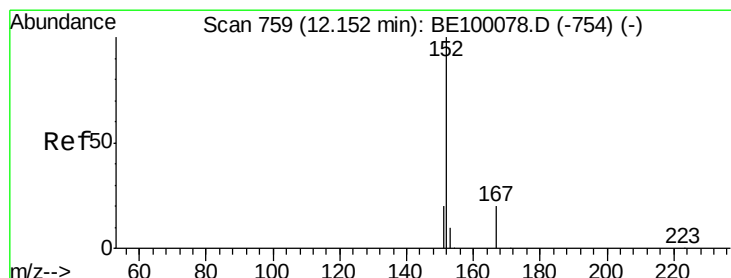
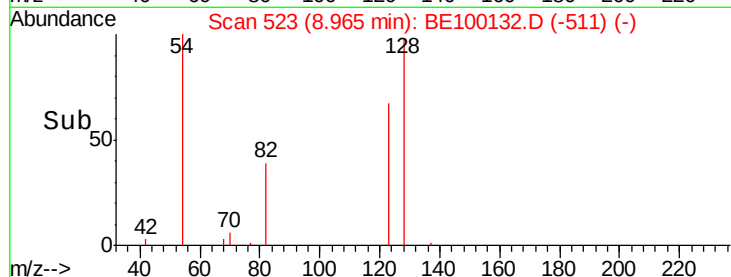
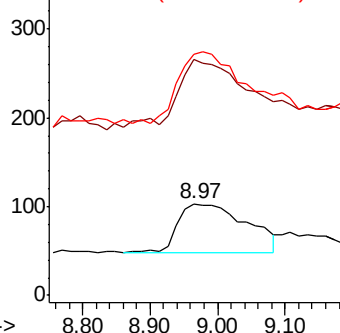
Tot Ion:	82	Resp:	394
Ion	Ratio	Lower	Upper
82	100		
128	258.3	128.0	192.0#
54	264.1	143.4	215.0#

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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: 0.027 ng

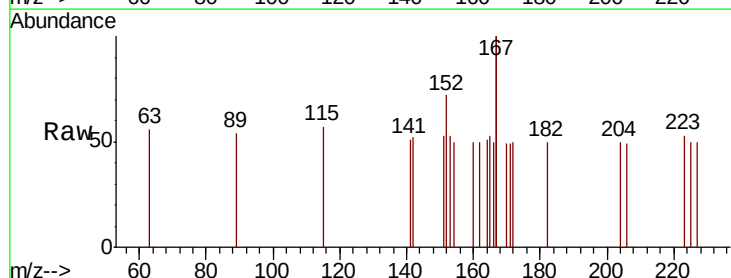
RT: 12.20 min Scan# 762

Delta R.T. 0.04 min

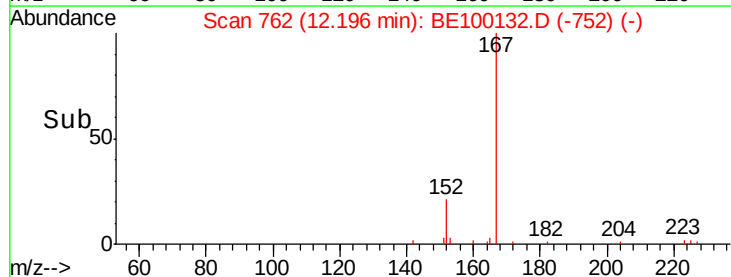
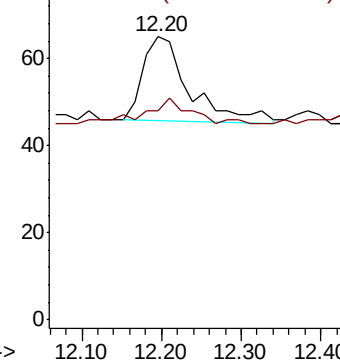
Lab File: BE100132.D

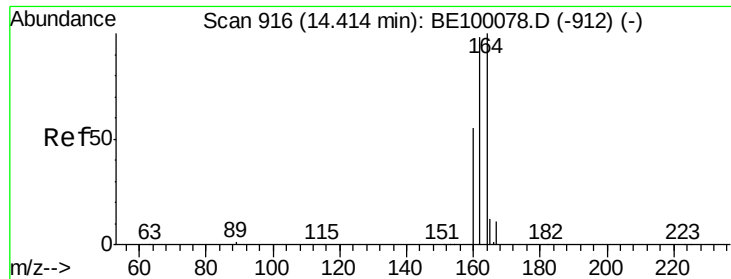
Acq: 21 Jun 2019 12:40

Tgt Ion:	152	Resp:	78
Ion	Ratio	Lower	Upper
152	100		
151	28.2	16.3	24.5#



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





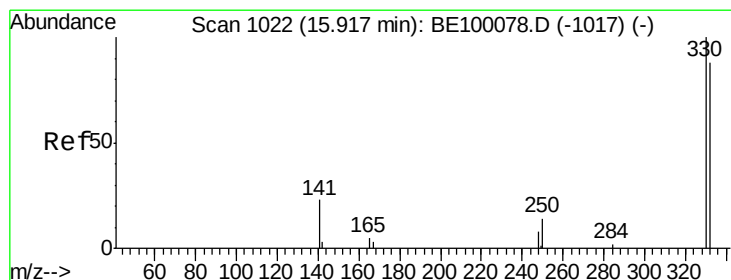
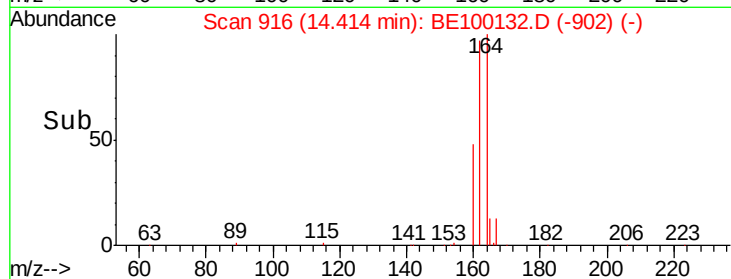
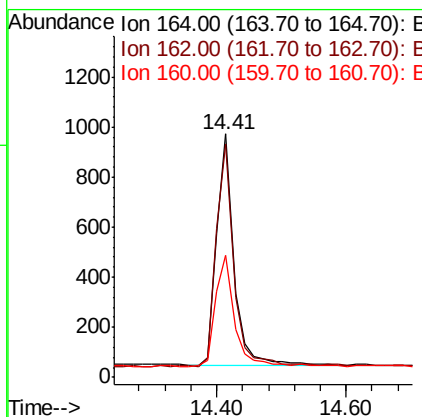
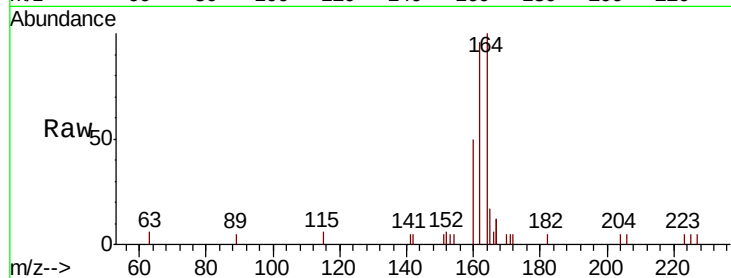
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.41 min Scan# 916
Delta R.T. 0.00 min
Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
164	100		
162	95.9	78.2	117.2
160	50.2	45.6	68.4

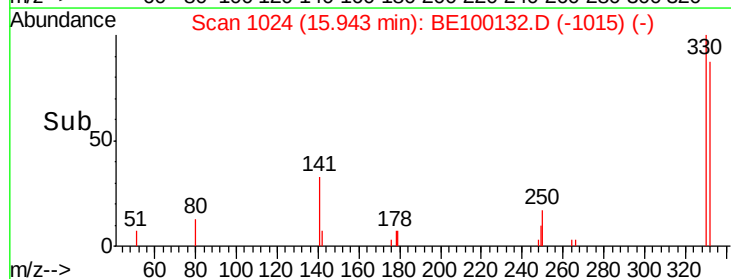
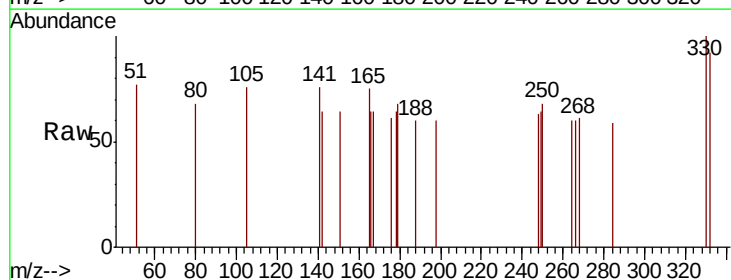
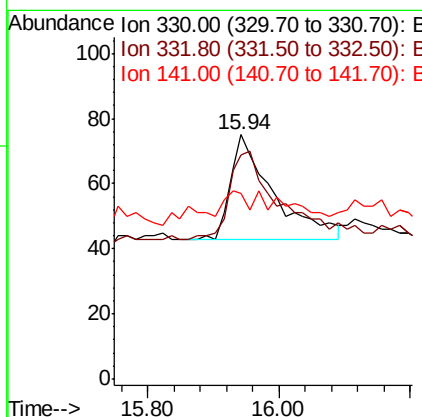
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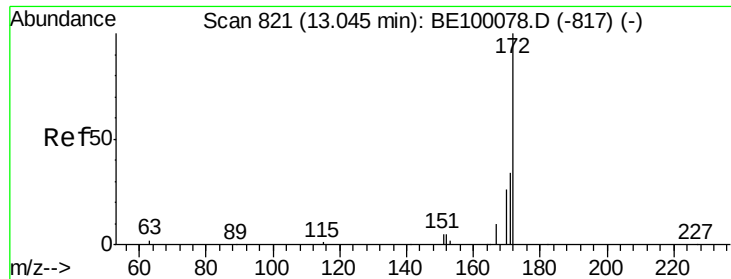
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#14
2,4,6-Tribromophenol
Concen: 0.154 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.03 min
Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.7	73.3	109.9
141	0.0	22.2	33.2#





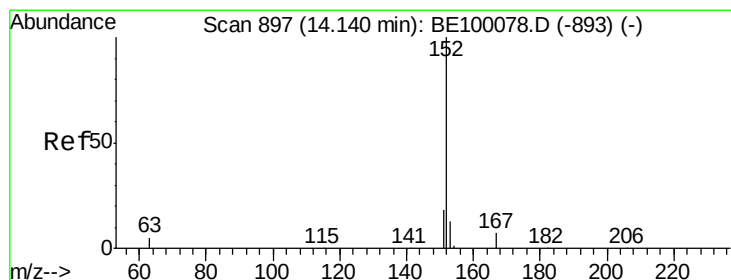
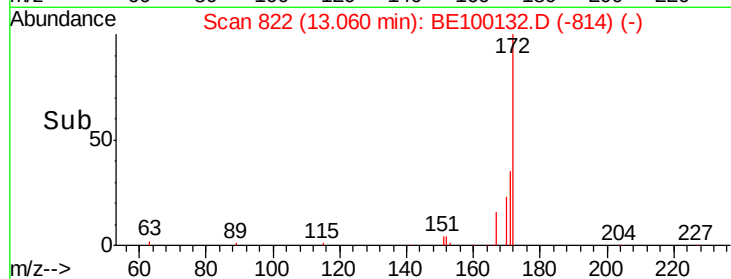
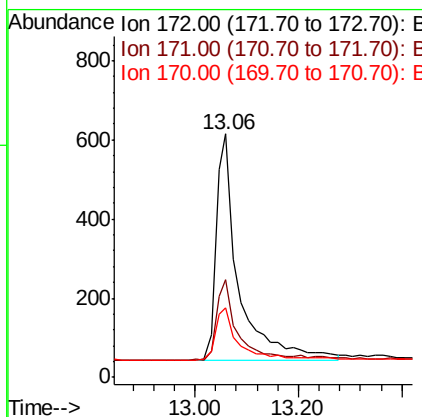
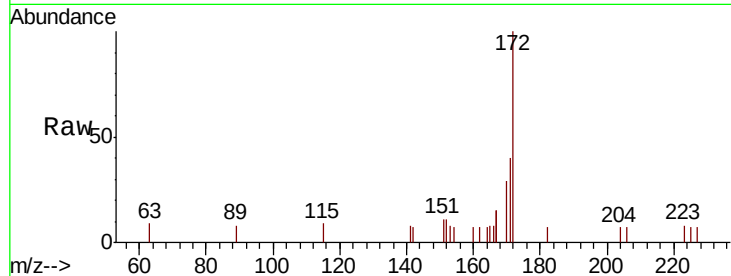
#15
2-Fluorobiphenyl
Concen: 0.257 ng
RT: 13.06 min Scan# 822
Delta R.T. 0.02 min
Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.2	29.8	44.8
170	28.6	23.2	34.8

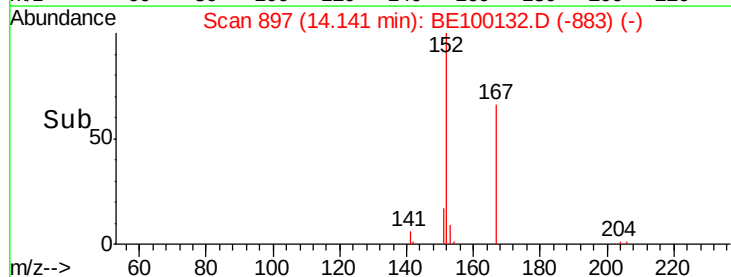
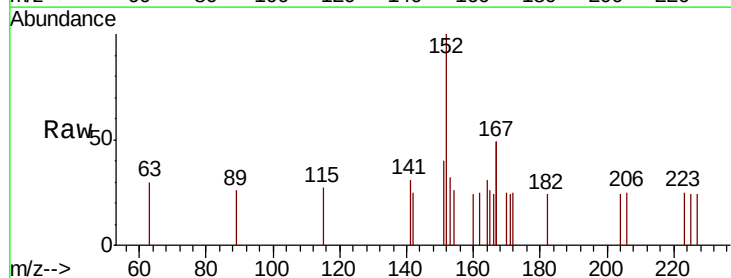
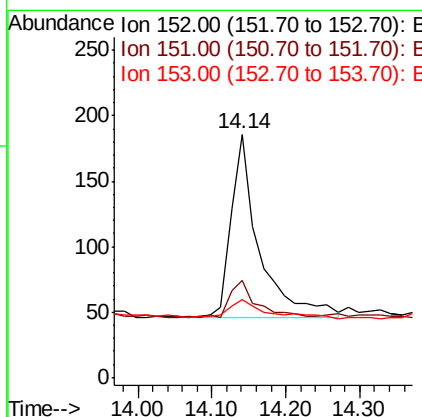
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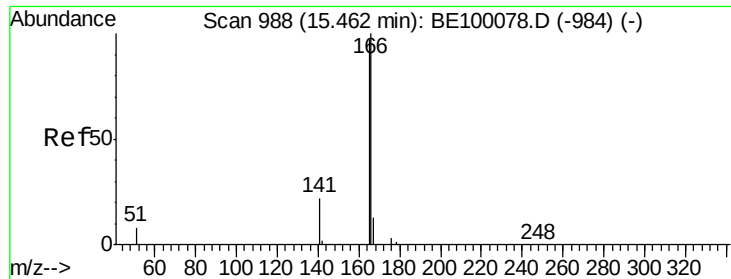
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#16
Acenaphthylene
Concen: 0.046 ng
RT: 14.14 min Scan# 897
Delta R.T. 0.00 min
Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	15.4	10.1	15.1#





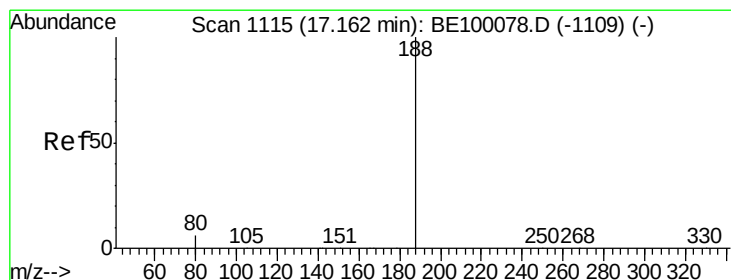
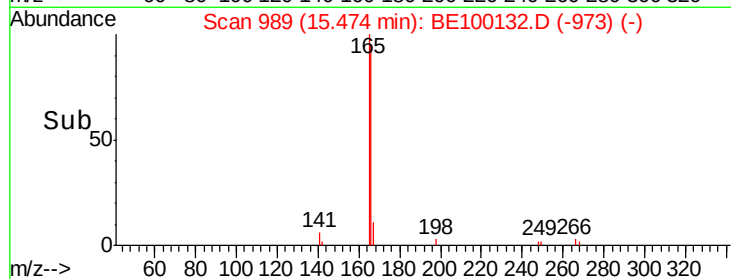
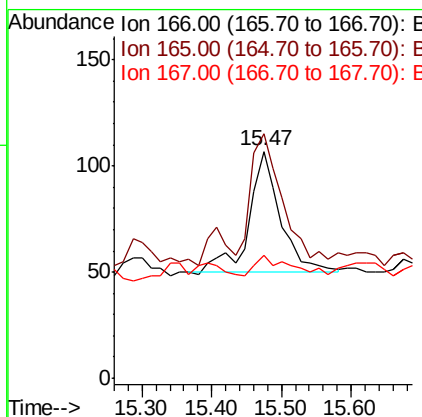
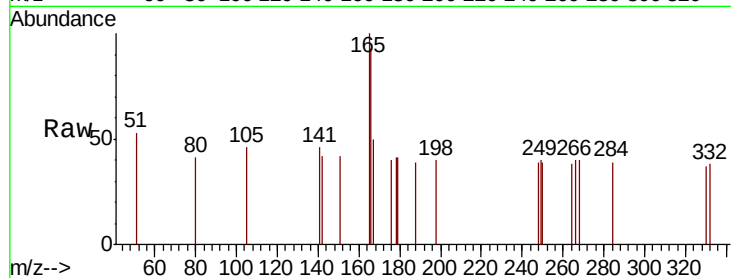
#18
 Fluorene
 Concen: 0.026 ng
 RT: 15.47 min Scan# 989
 Delta R.T. 0.01 min
 Lab File: BE100132.D
 Acq: 21 Jun 2019 12:40

Instrument :
 BNA_E
 ClientSampleID :
 PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.3	79.8	119.8
167	19.8	10.2	15.4

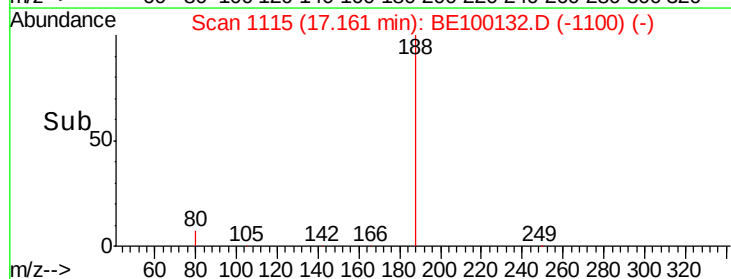
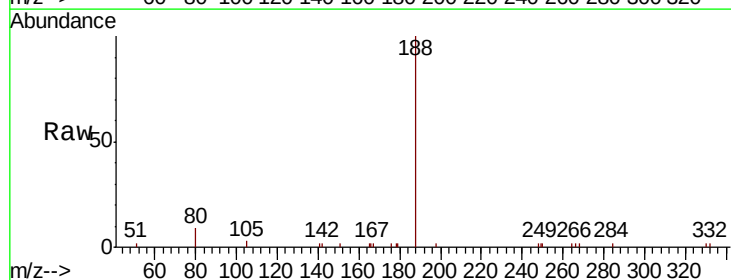
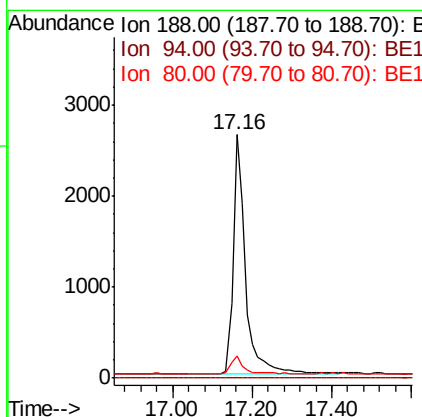
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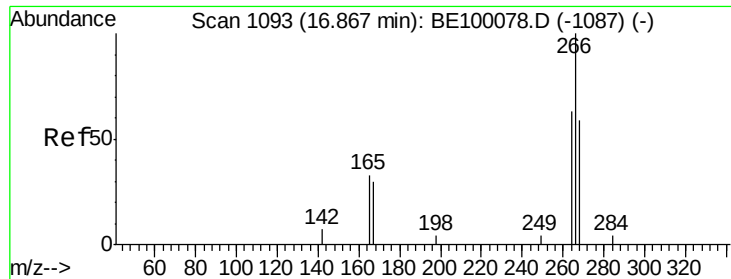
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#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.16 min Scan# 1115
 Delta R.T. -0.00 min
 Lab File: BE100132.D
 Acq: 21 Jun 2019 12:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	6.3	9.5





#22

Pentachlorophenol

Concen: 0.304 ng

RT: 16.92 min Scan# 1097

Delta R.T. 0.05 min

Lab File: BE100132.D

Acq: 21 Jun 2019 12:40

Instrument :

BNA_E

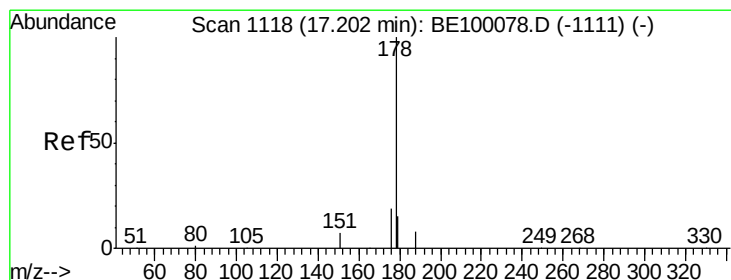
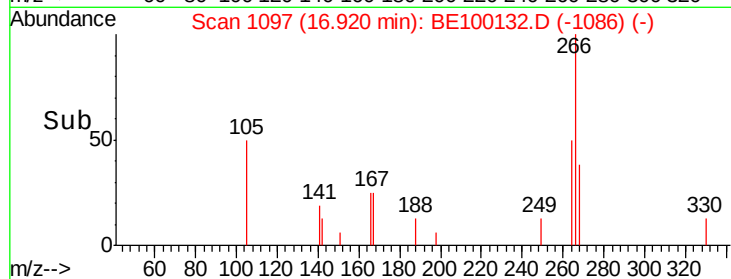
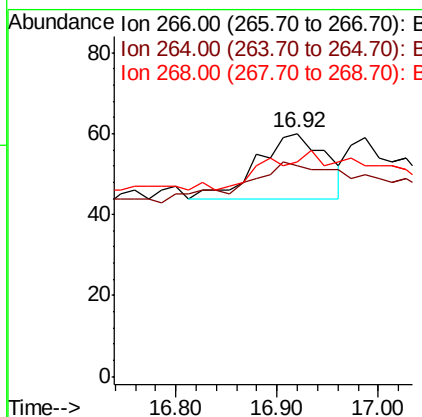
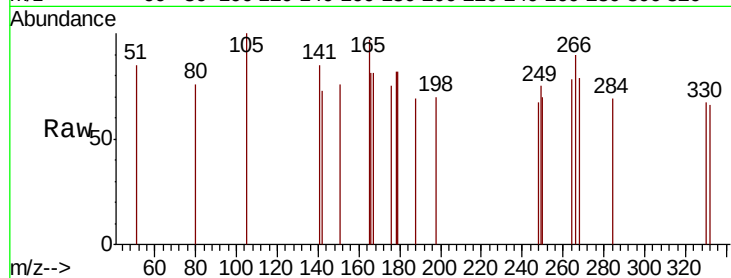
ClientSampleId :

PST-084-B045-061319

Tot Ion:	266	Resp:	76
Ion Ratio	Lower	Upper	
266	100		
264	86.7	67.8	101.6
268	88.3	70.0	105.0

Manual Integrations
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#23

Phenanthrene

Concen: 0.264 ng

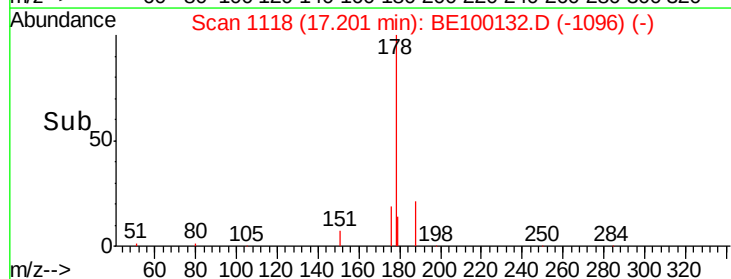
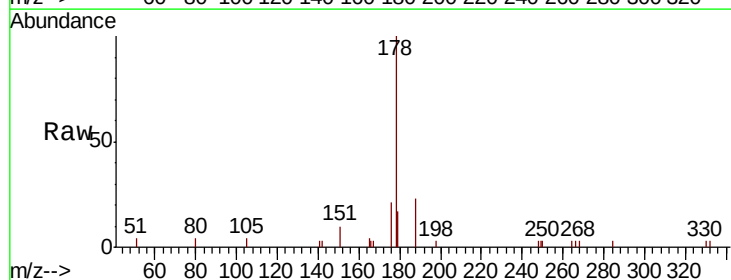
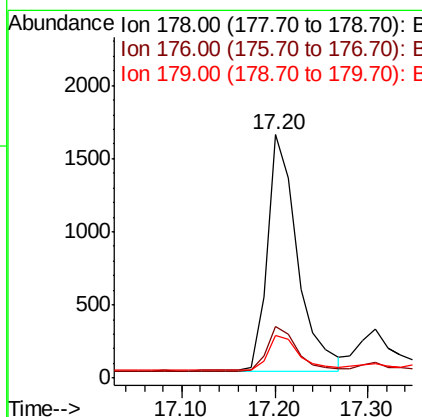
RT: 17.20 min Scan# 1118

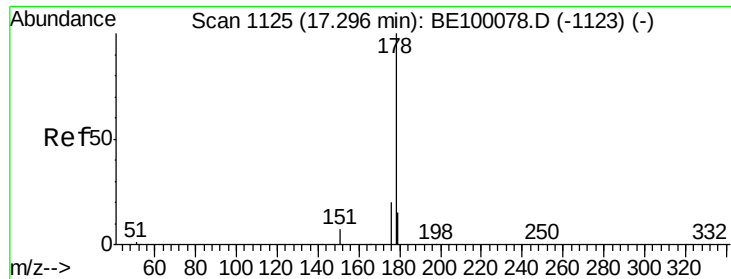
Delta R.T. -0.00 min

Lab File: BE100132.D

Acq: 21 Jun 2019 12:40

Tgt Ion:	178	Resp:	3640
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.9	23.9
179	15.2	13.1	19.7





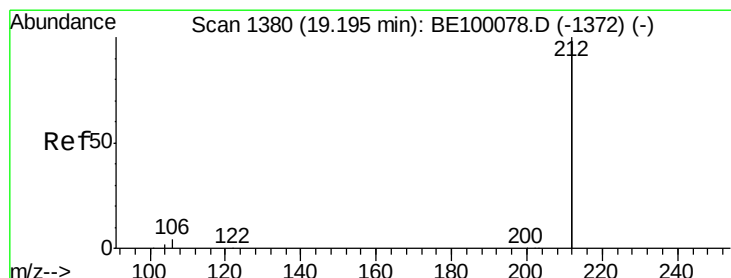
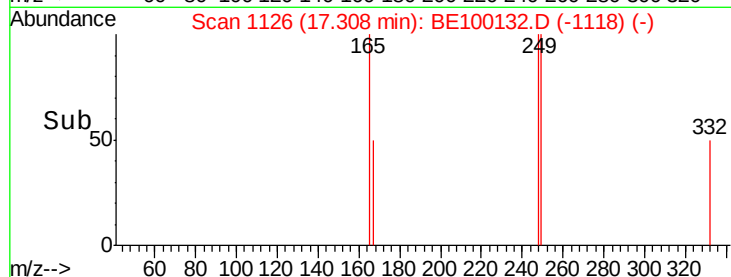
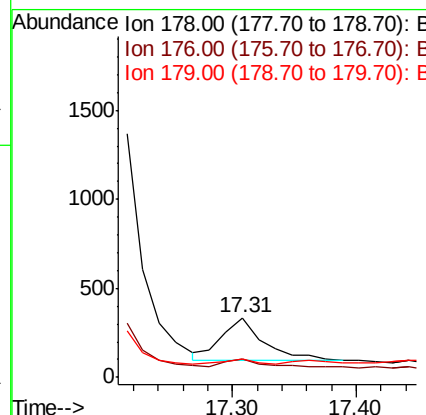
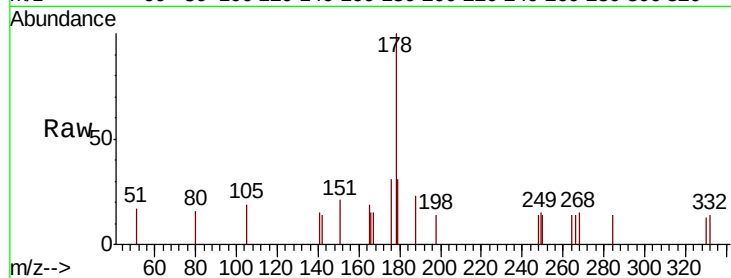
#24
 Anthracene
 Concen: 0.049 ng
 RT: 17.31 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: BE100132.D
 Acq: 21 Jun 2019 12:40

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.8	15.8	23.6
179	9.5	12.0	18.0

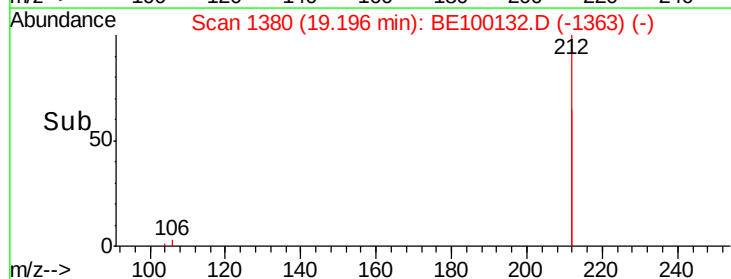
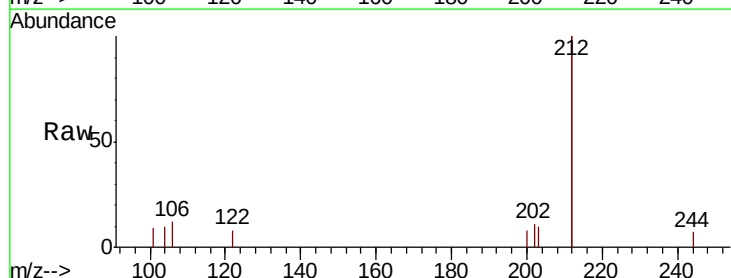
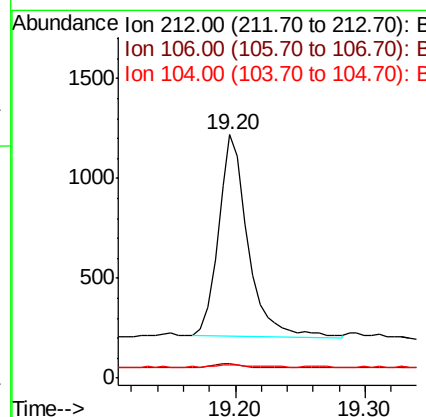
Manual Integrations
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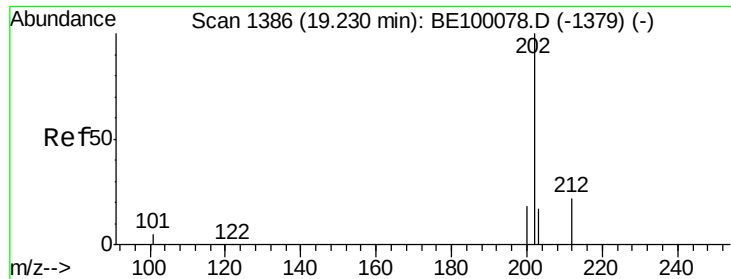
mohammad
 6/25/2019 3:20:54 PM



#25
 Fluoranthene-d10
 Concen: 0.020 ng
 RT: 19.20 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: BE100132.D
 Acq: 21 Jun 2019 12:40

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.5	1.4	2.0
104	1.2	0.8	1.2





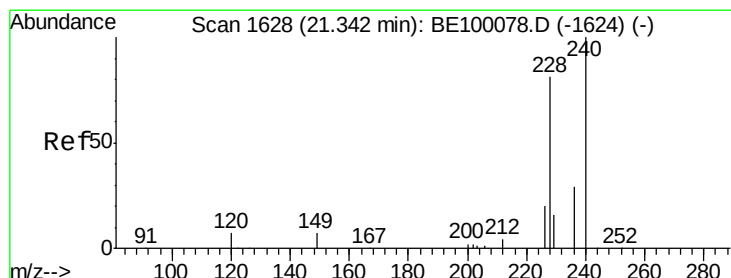
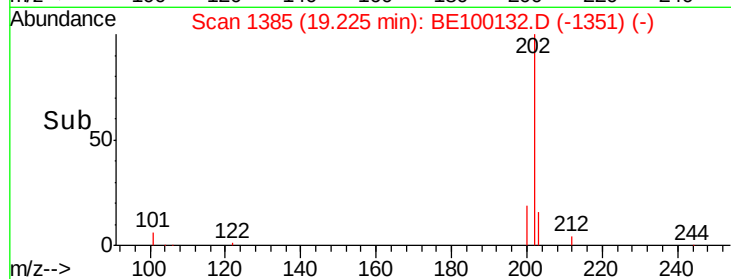
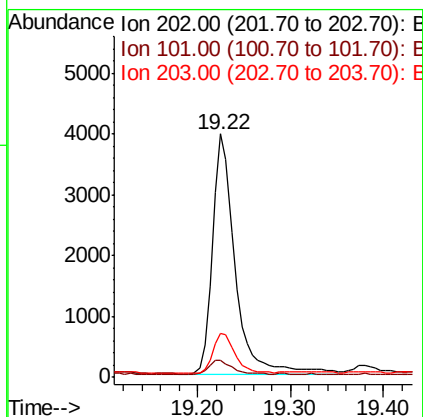
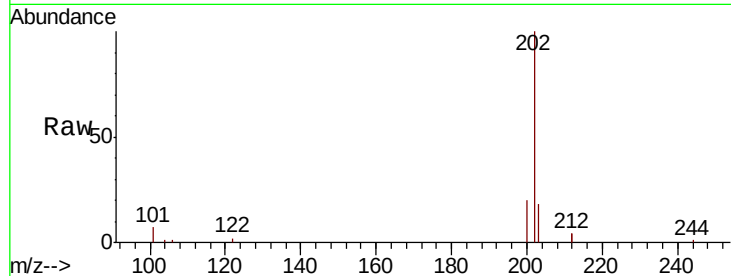
#26
Fluoranthene
Concen: 0.301 ng
RT: 19.22 min Scan# 1385
Delta R.T. -0.01 min
Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
202	100		
101	6.0	5.0	7.4
203	16.5	13.7	20.5

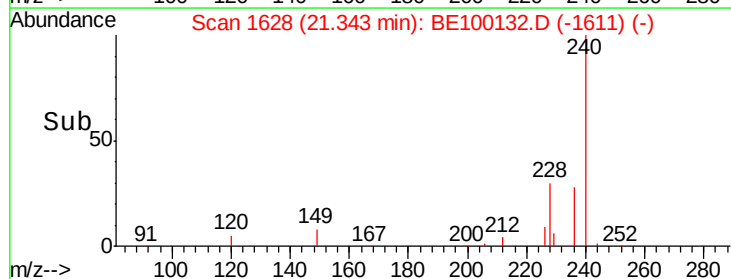
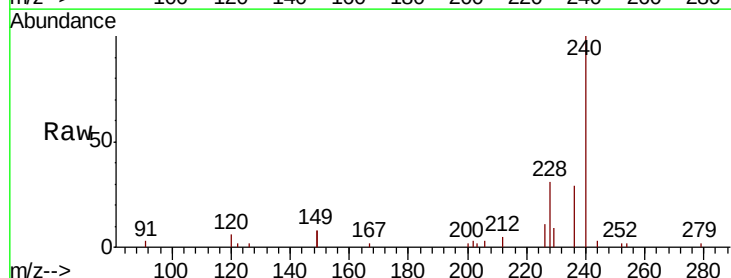
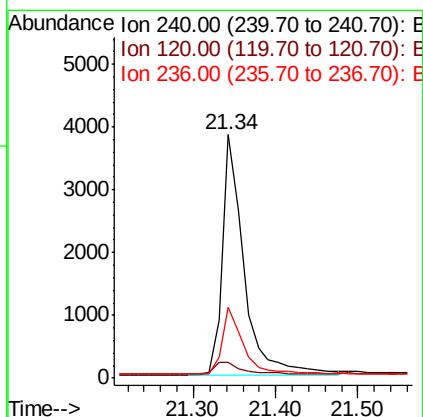
Manual Integrations
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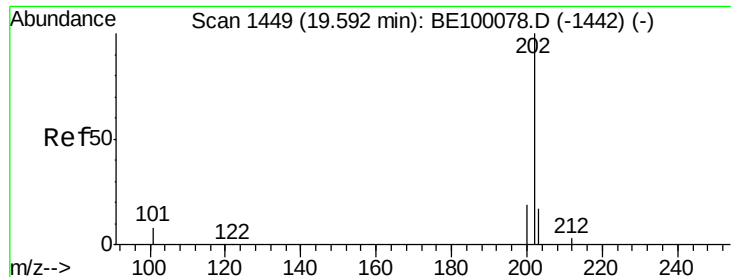
mohammad
6/25/2019 3:20:54 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.3	6.6	10.0#
236	29.2	23.8	35.6





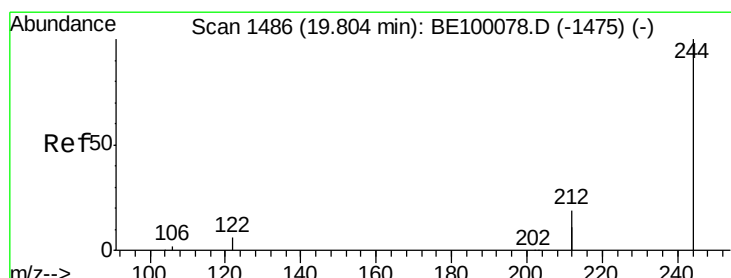
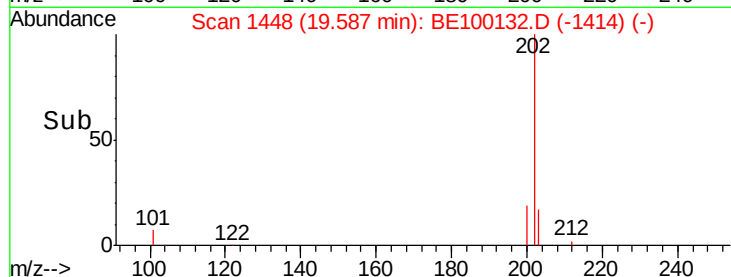
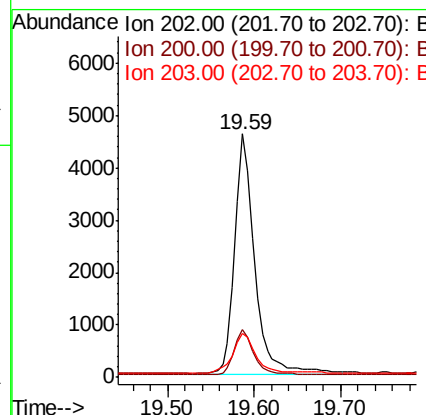
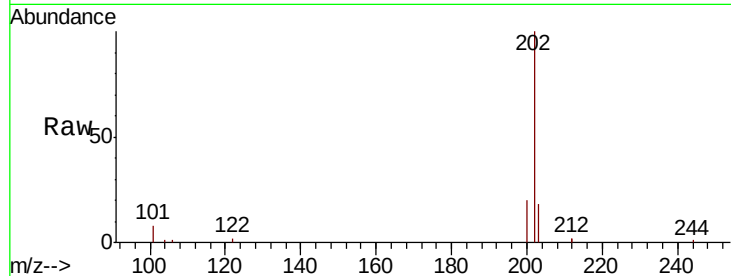
#28
Pvrene
Concen: 0.401 ng
RT: 19.59 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion:202	Resp:	7232
Ion Ratio	Lower	Upper
202 100		
200 19.2	15.6	23.4
203 19.3	13.9	20.9

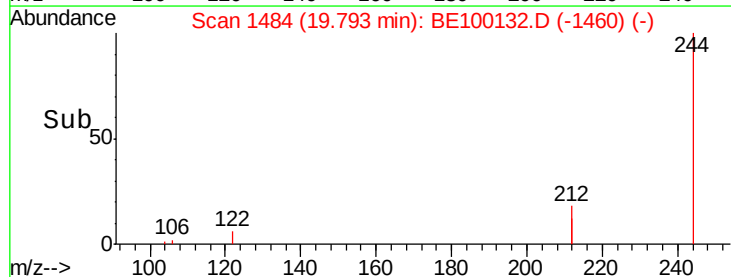
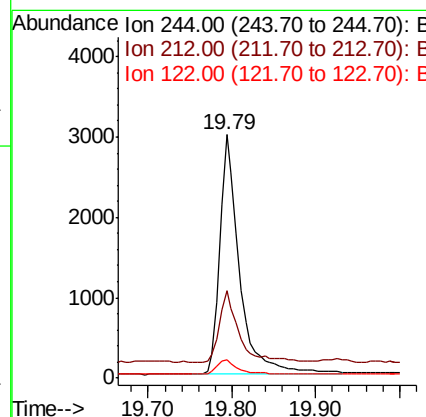
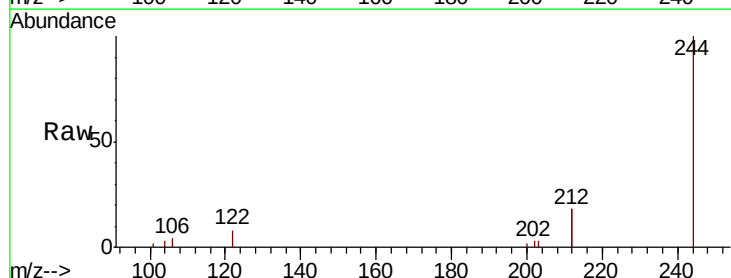
Manual Integrations
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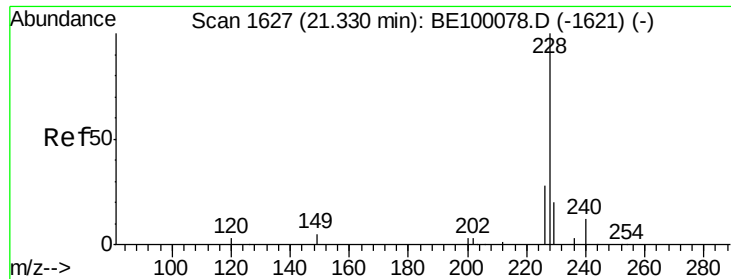
mohammad
6/25/2019 3:20:54 PM



#29
Terphenyl-d14
Concen: 0.352 ng
RT: 19.79 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Tgt Ion:244	Resp:	4946
Ion Ratio	Lower	Upper
244 100		
212 36.0	29.8	44.8
122 7.7	6.1	9.1





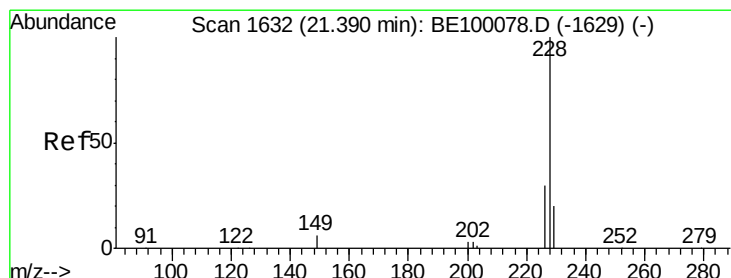
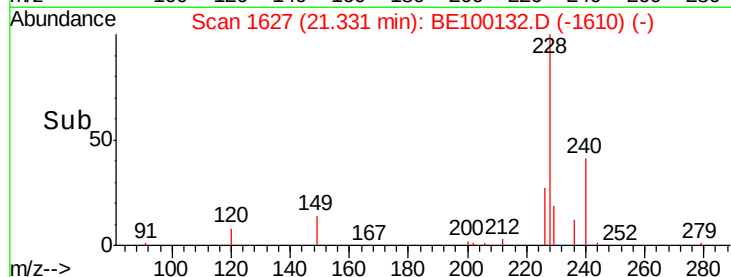
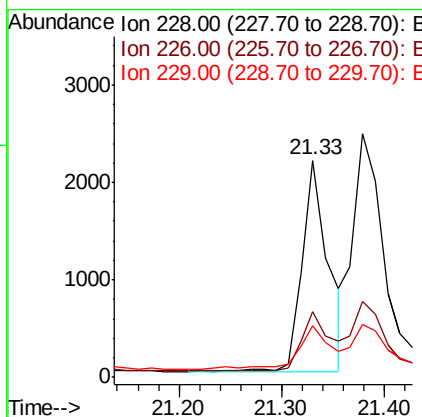
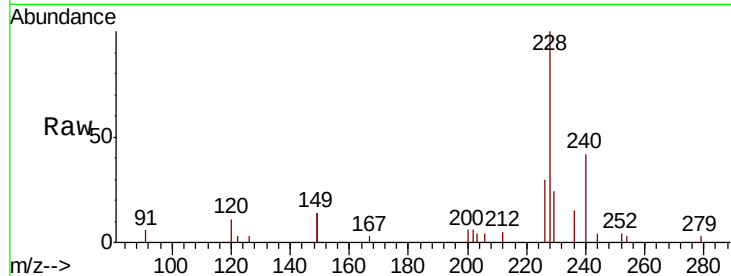
#30
Benzo(a)anthracene
Concen: 0.184 ng
RT: 21.33 min Scan# 1627
Delta R.T. 0.00 min
Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.0	34.4
229	23.8	16.4	24.6

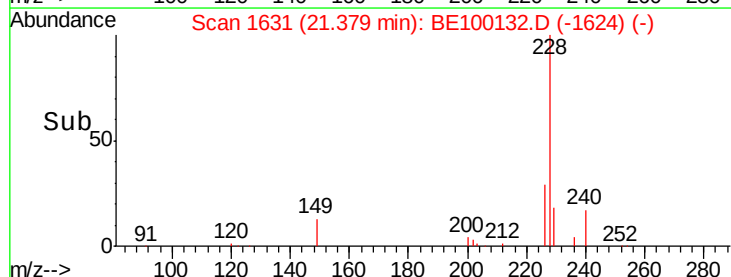
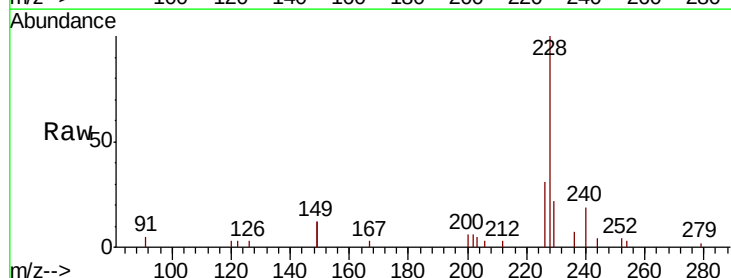
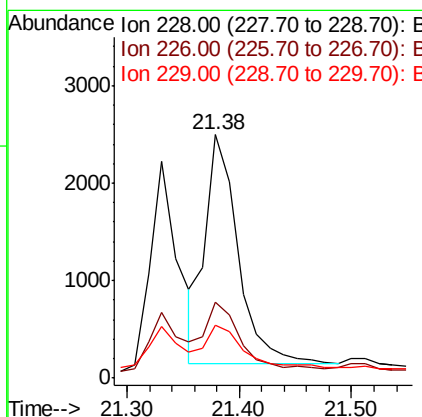
Manual Integrations
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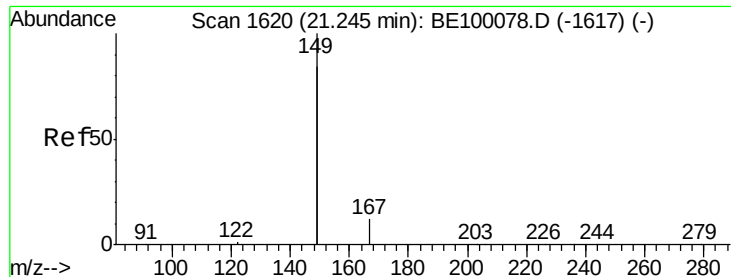
mohammad
6/25/2019 3:20:54 PM



#31
Chrysene
Concen: 0.194 ng
RT: 21.38 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.8	35.8
229	21.9	16.3	24.5





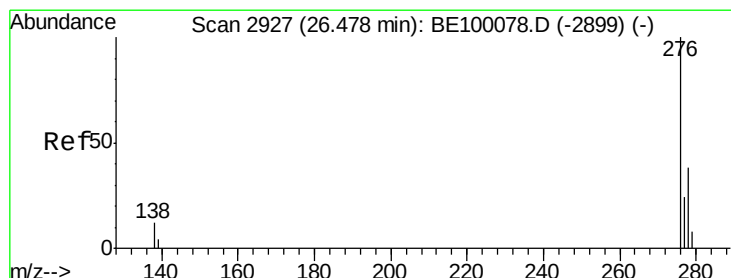
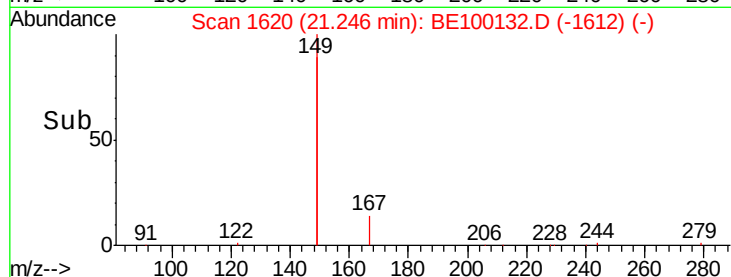
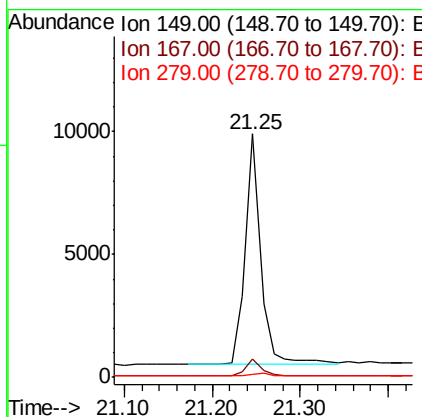
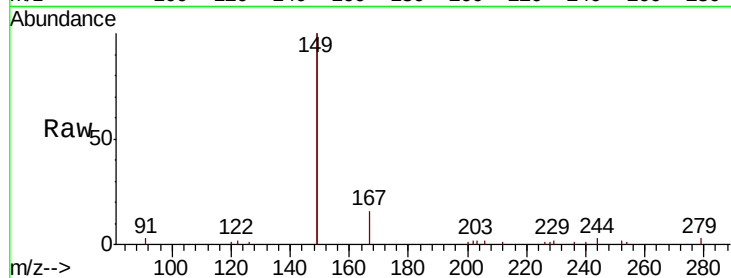
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.596 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100132.D
 Acq: 21 Jun 2019 12:40

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.7	5.8	8.6
279	1.3	1.1	1.7

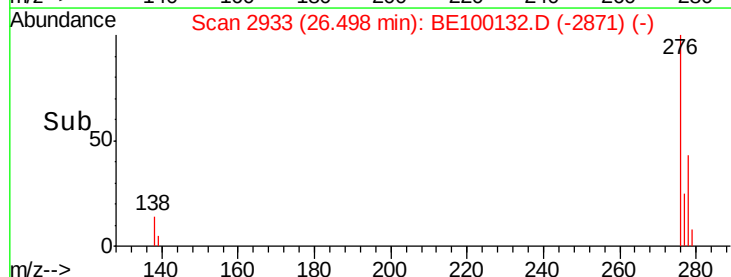
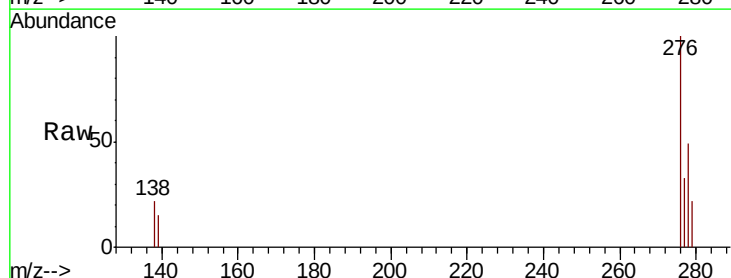
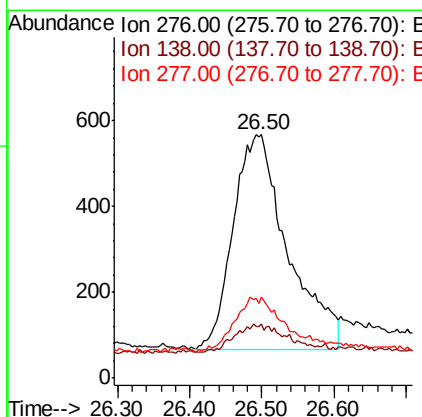
Manual Integrations
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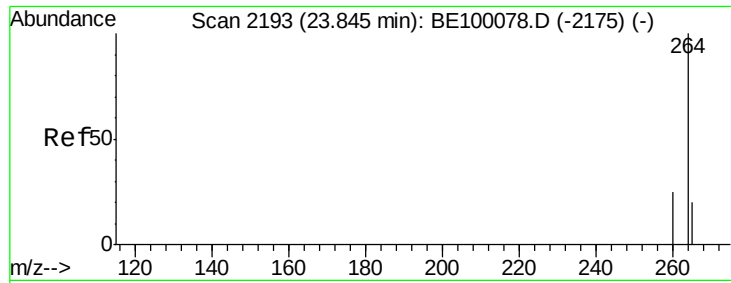
mohammad
 6/25/2019 3:20:54 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.095 ng
 RT: 26.50 min Scan# 2933
 Delta R.T. 0.02 min
 Lab File: BE100132.D
 Acq: 21 Jun 2019 12:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	10.6	4.3	6.5#
277	11.0	19.4	29.0#





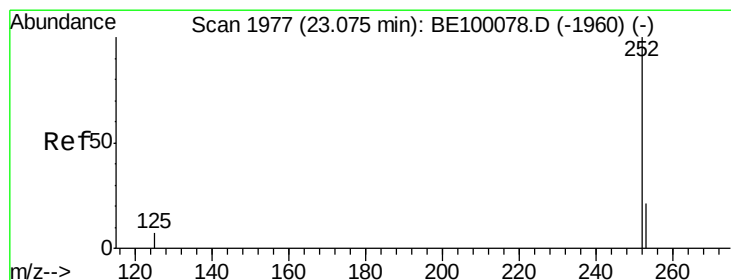
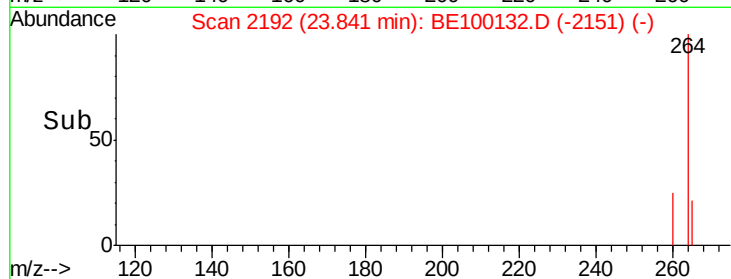
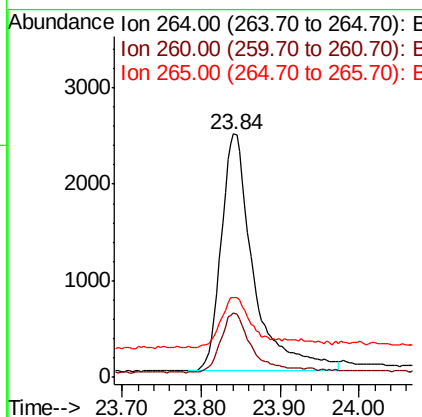
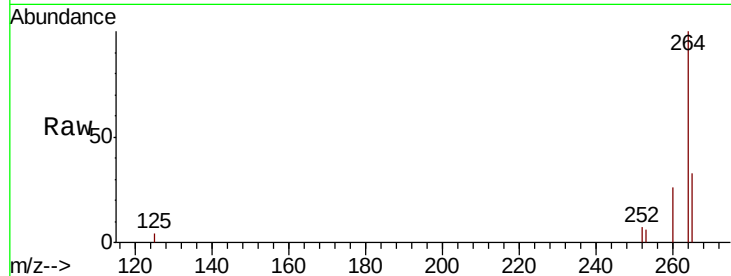
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.84 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.5	20.8	31.2
265	33.0	23.2	34.8

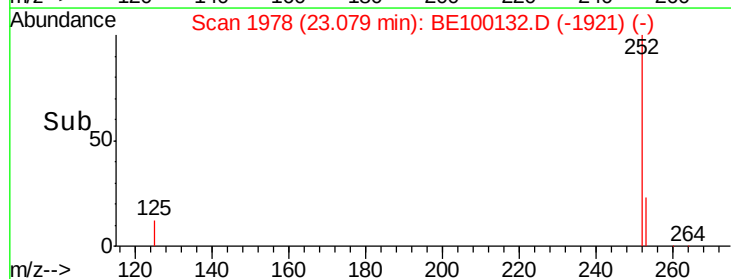
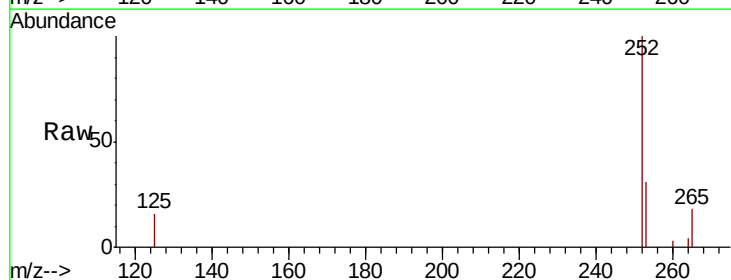
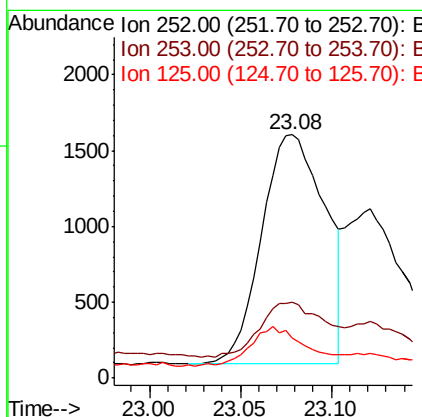
Manual Integrations
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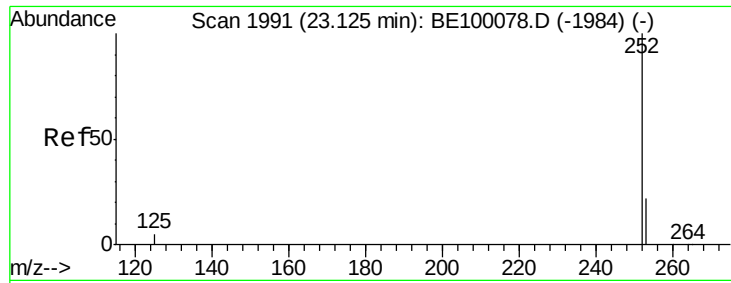
mohammad
6/25/2019 3:20:54 PM



#35
Benzo(b)fluoranthene
Concen: 0.177 ng
RT: 23.08 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.1	18.4	27.6#
125	16.3	6.4	9.6#





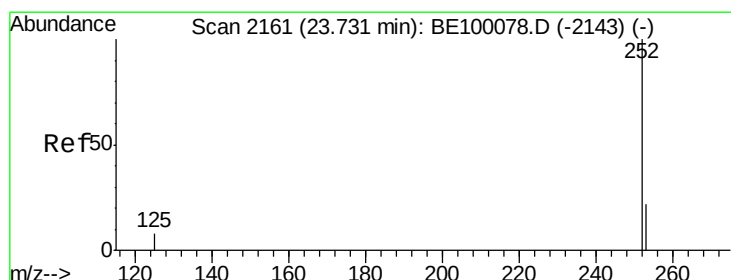
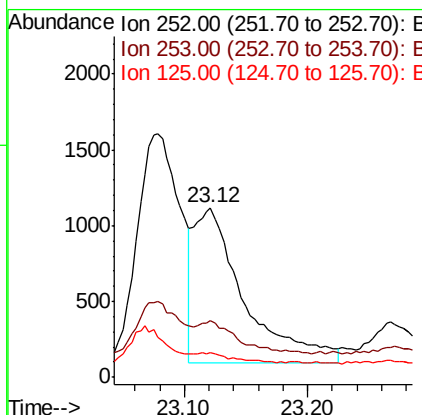
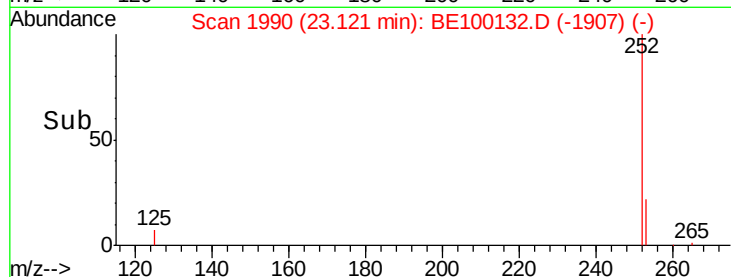
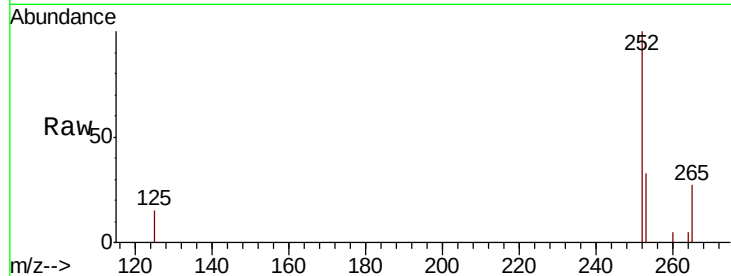
#36
Benzo(k)fluoranthene
Concen: 0.124 ng m
RT: 23.12 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Instrument :
BNA_E
ClientSampleId :
PST-084-B045-061319

Tot Ion:252 Resp: 2896
Ion Ratio Lower Upper
252 100
253 33.2 18.9 28.3#
125 14.7 5.3 7.9#

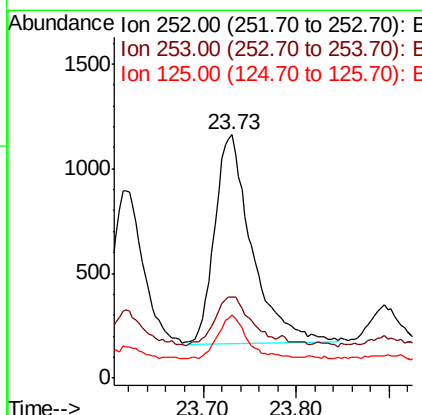
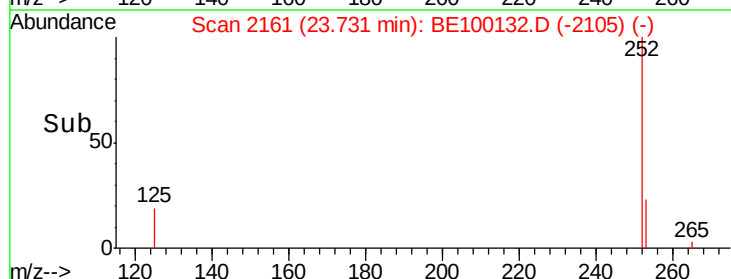
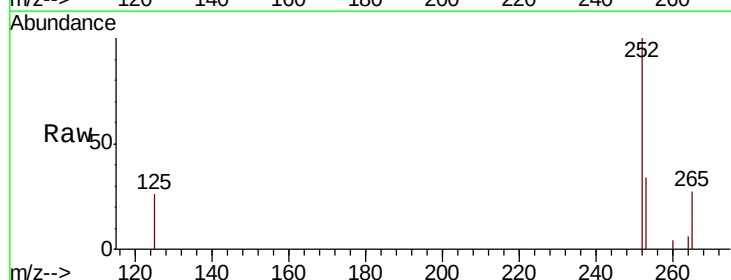
Manual Integrations
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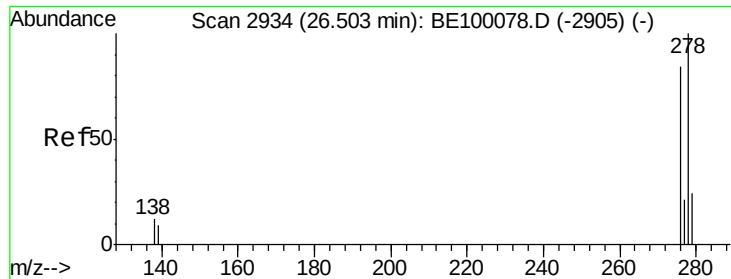
mohammad
6/25/2019 3:20:54 PM



#37
Benzo(a)pyrene
Concen: 0.140 ng
RT: 23.73 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BE100132.D
Acq: 21 Jun 2019 12:40

Tgt Ion:252 Resp: 2777
Ion Ratio Lower Upper
252 100
253 33.5 19.4 29.2#
125 25.7 8.0 12.0#





#38

Dibenzo(a,h)anthracene

Concen: 0.071 ng

RT: 26.52 min Scan# 2938

Delta R.T. 0.01 min

Lab File: BE100132.D

Acq: 21 Jun 2019 12:40

Instrument :

BNA_E

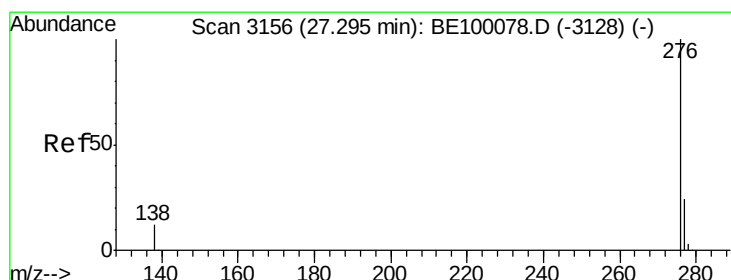
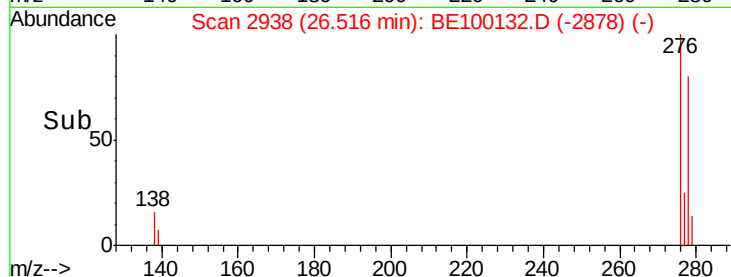
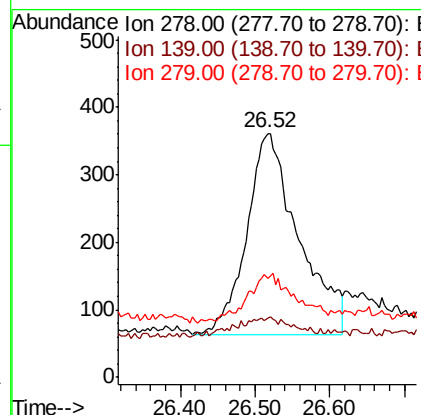
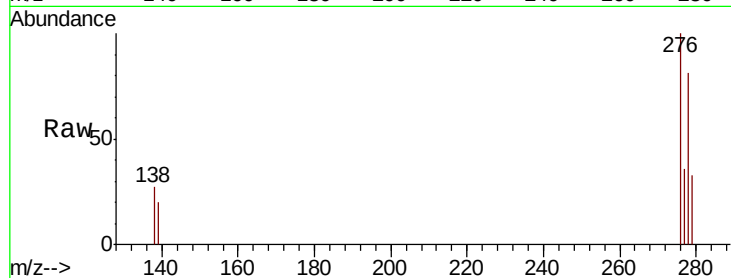
ClientSampleId :

PST-084-B045-061319

Tot Ion:	278	Resp:	1445
Ion Ratio	Lower	Upper	
278	100		
139	24.4	9.0	13.6#
279	40.4	21.4	32.0#

Manual Integrations
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mohammad
6/25/2019 3:20:54 PM



#39

Benzo(g,h,i)perylene

Concen: 0.119 ng

RT: 27.30 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BE100132.D

Acq: 21 Jun 2019 12:40

Tgt Ion:	276	Resp:	2521
Ion Ratio	Lower	Upper	
276	100		
277	31.3	20.3	30.5#
138	18.6	11.3	16.9#

