

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
 Data File : BE100248.D
 Acq On : 28 Jun 2019 23:14
 Operator : JU/SJ
 Sample : K3445-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-SW048-061819

Manual Integrations
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mohammad
 7/1/2019 3:07:20 PM

Quant Time: Jun 29 01:03:39 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	7.64	152	661	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2415	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1969	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6093	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8607	0.40	ng	0.00
34) Perylene-d12	23.67	264	10282	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	586	0.35	ng	0.00
5) Phenol-d6	6.82	99	768	0.35	ng	-0.01
8) Nitrobenzene-d5	8.81	82	840	0.35	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1794	0.39	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	512	0.37	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	2643	0.34	ng	-0.01
25) Fluoranthene-d10	19.10	212	32423	0.37	ng	0.00
29) Terphenyl-d14	19.70	244	6506	0.36	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.49	128	4621	0.173	ng	# 99
12) 2-Methylnaphthalene	12.12	142	475	0.102	ng	91
16) Acenaphthylene	14.04	152	5463	0.578	ng	99
17) Acenaphthene	14.38	154	1245	0.233	ng	99
18) Fluorene	15.35	166	2654	0.335	ng	# 93
23) Phenanthrene	17.09	178	94145	6.375	ng	100
24) Anthracene	17.19	178	19584	1.473	ng	# 93
26) Fluoranthene	19.13	202	324125	13.780	ng	99
28) Pyrene	19.49	202	315728	13.855	ng	# 95
30) Benzo(a)anthracene	21.23	228	239032	8.446	ng	96
31) Chrysene	21.28	228	187830	6.610	ng	98
32) Bis(2-ethylhexyl)phthalate	21.15	149	9261	0.174	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.22	276	138124	3.675	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	256101	9.187	ng	# 95
36) Benzo(k)fluoranthene	22.97	252	97173m	3.123	ng	
37) Benzo(a)pyrene	23.56	252	201344	7.206	ng	# 93
38) Dibenzo(a,h)anthracene	26.24	278	34060	1.167	ng	94
39) Benzo(a,h,i)perylene	27.02	276	135498	4.520	ng	97

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

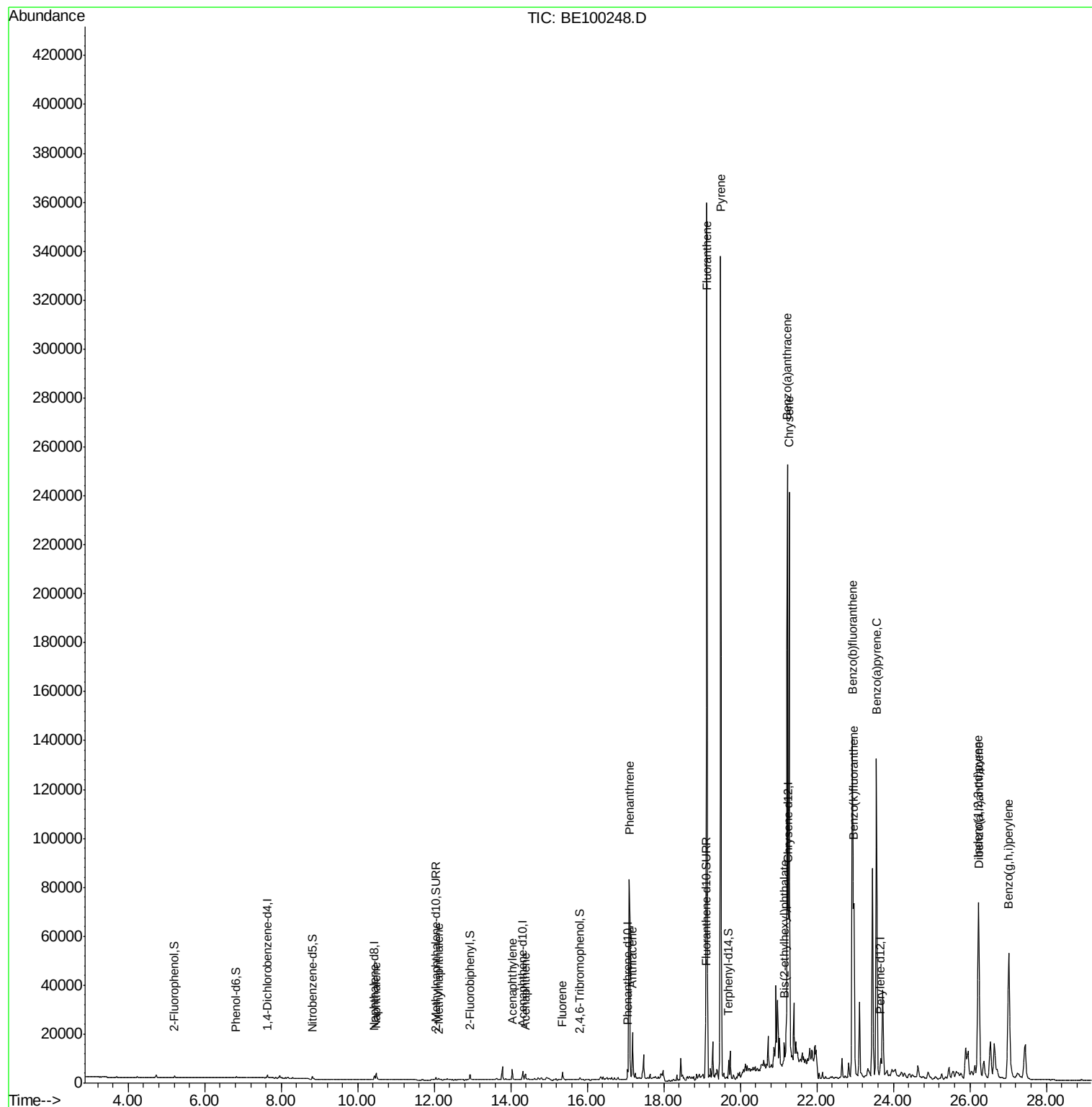
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
Data File : BE100248.D
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ALS Vial : 10 Sample Multiplier: 1

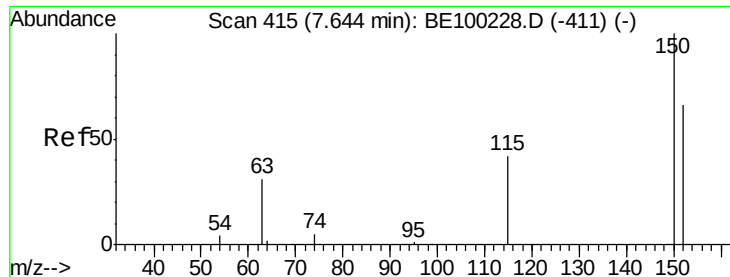
Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819

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Quant Time: Jun 29 01:03:39 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
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#1

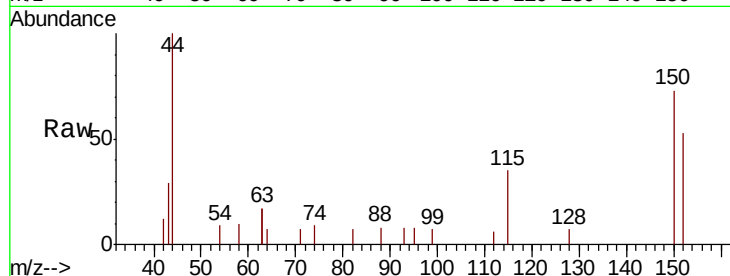
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.9	114.5	171.7
115	66.4	57.1	85.7

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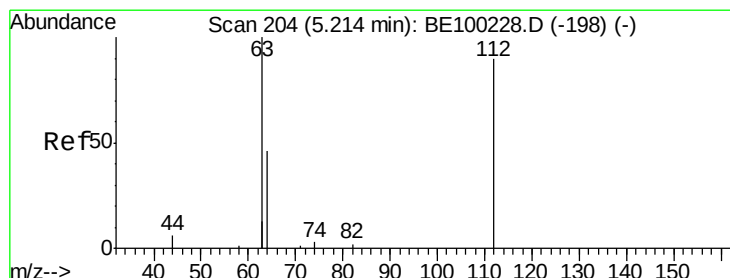
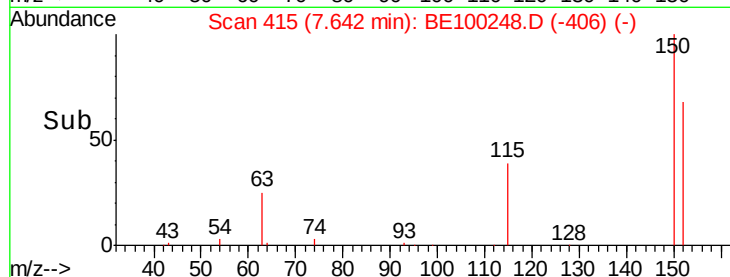
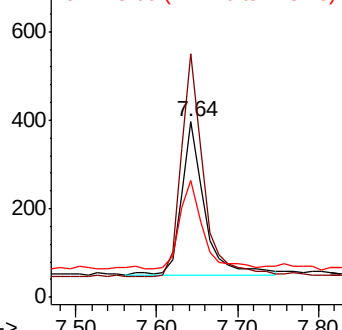


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

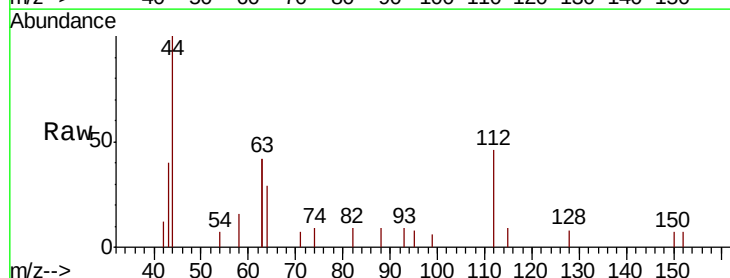
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.348 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	39.4	59.0
63	123.0	104.5	156.7

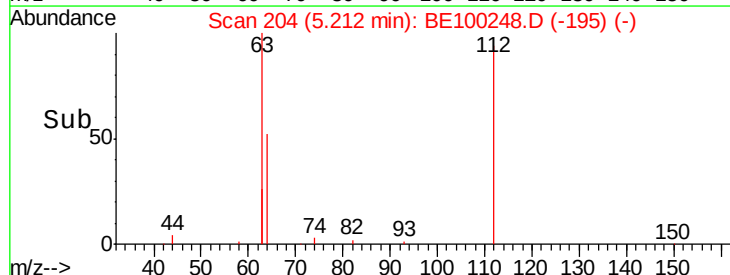
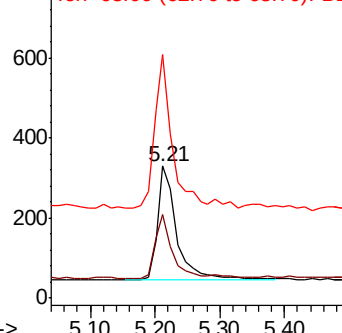


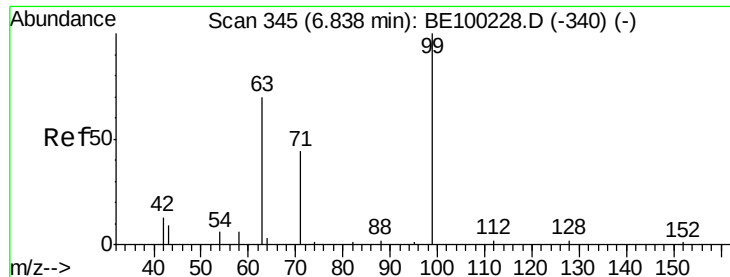
Abundance

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: 0.346 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100248.D

Acq: 28 Jun 2019 23:14

Instrument :

BNA_E

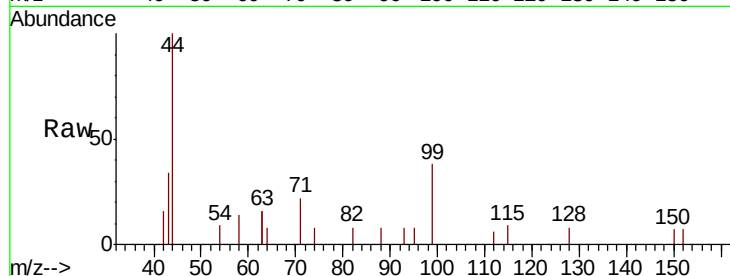
ClientSampleId :

PST-007-SW048-061819

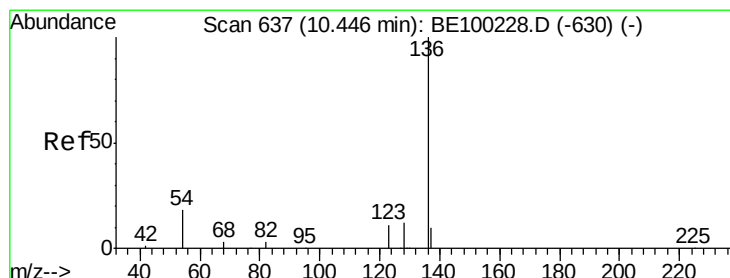
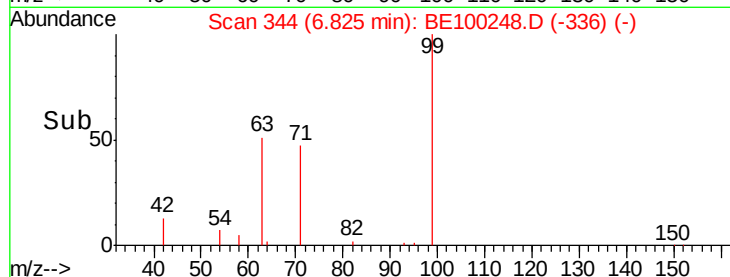
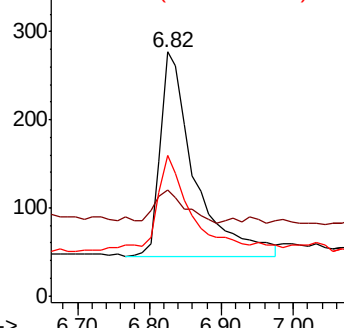
Tot Ion:	99	Resp:	768
Ion	Ratio	Lower	Upper
99	100		
42	14.6	11.2	16.8
71	41.0	37.2	55.8

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Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



#7

Naphthalene-d8

Concen: 0.400 ng

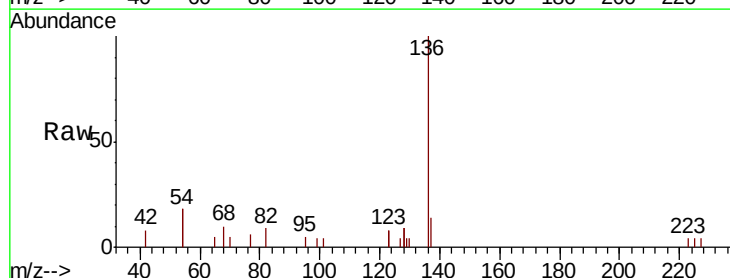
RT: 10.43 min Scan# 637

Delta R.T. -0.01 min

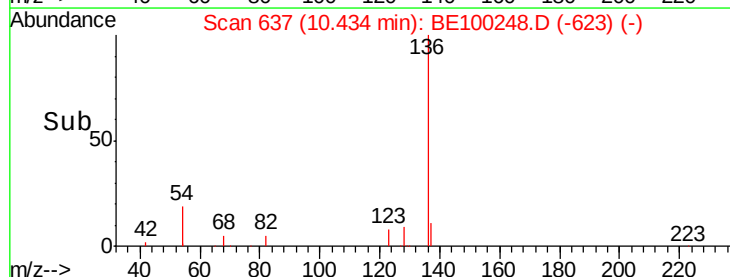
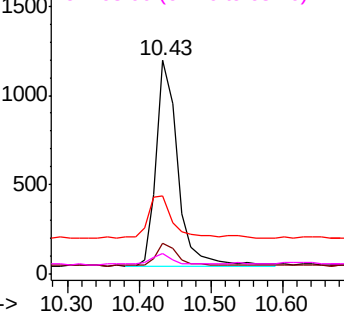
Lab File: BE100248.D

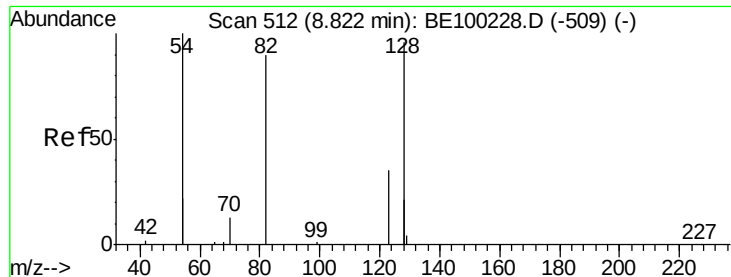
Acq: 28 Jun 2019 23:14

Tgt Ion:	136	Resp:	2415
Ion	Ratio	Lower	Upper
136	100		
137	14.2	11.8	17.8
54	36.6	27.7	41.5
68	9.7	6.8	10.2



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE1
Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.350 ng

RT: 8.81 min Scan# 512

Delta R.T. -0.01 min

Lab File: BE100248.D

Acq: 28 Jun 2019 23:14

Instrument :

BNA_E

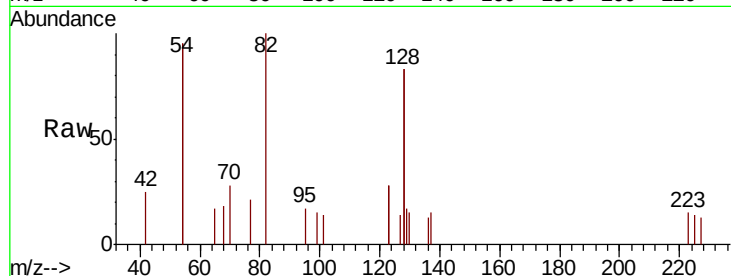
ClientSampleId :

PST-007-SW048-061819

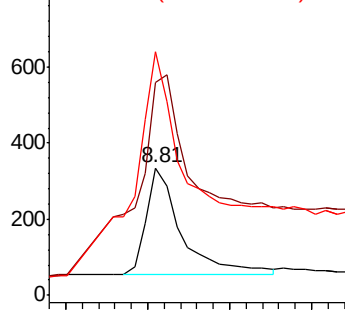
Tot Ion:	82	Resp:	840
Ion	Ratio	Lower	Upper
82	100		
128	166.7	140.9	211.3
54	190.5	146.2	219.2

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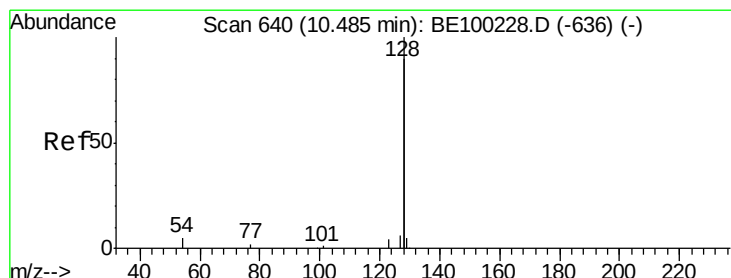
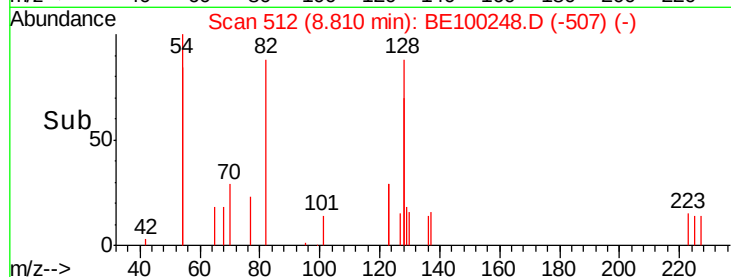
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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE1



Time-->



#9

Naphthalene

Concen: 0.173 ng

RT: 10.49 min Scan# 641

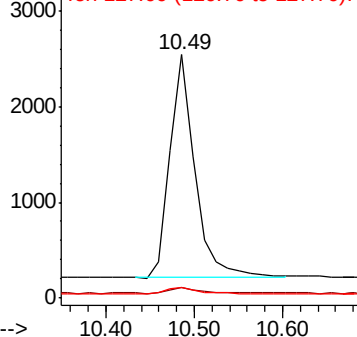
Delta R.T. 0.00 min

Lab File: BE100248.D

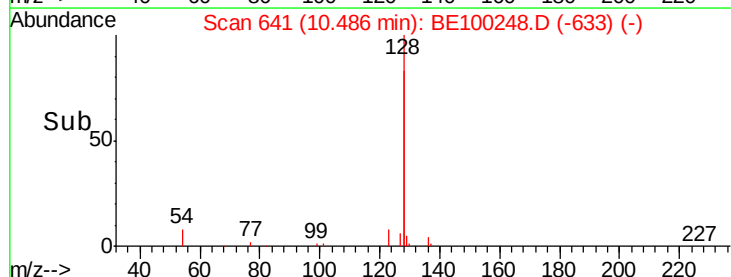
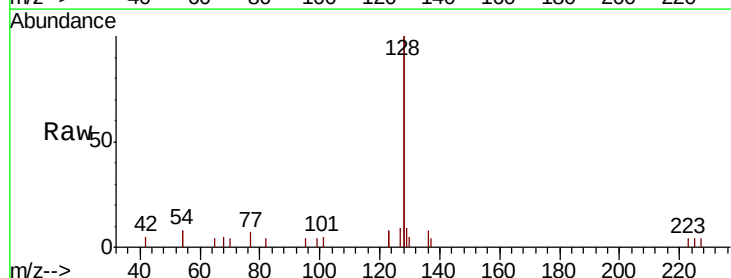
Acq: 28 Jun 2019 23:14

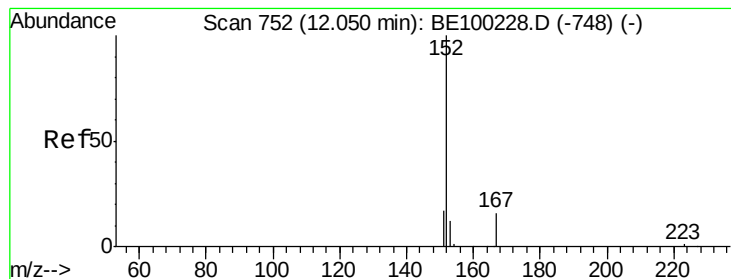
Tgt Ion:	128	Resp:	4621
Ion	Ratio	Lower	Upper
128	100		
129	4.6	3.0	4.6#
127	4.6	3.5	5.3

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



Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.395 ng

RT: 12.04 min Scan# 752

Delta R.T. -0.01 min

Lab File: BE100248.D

Acq: 28 Jun 2019 23:14

Instrument :

BNA_E

ClientSampleId :

PST-007-SW048-061819

Tot Ion:152 Resp: 1794

Ion Ratio Lower Upper

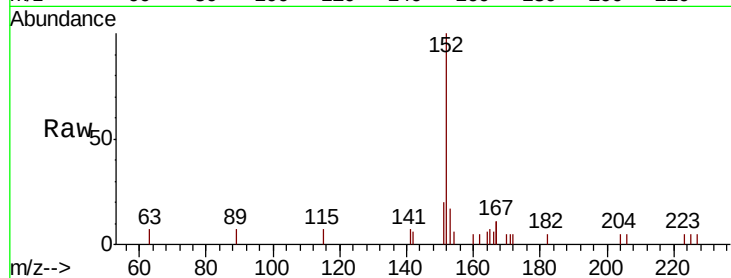
152 100

151 18.3 15.1 22.7

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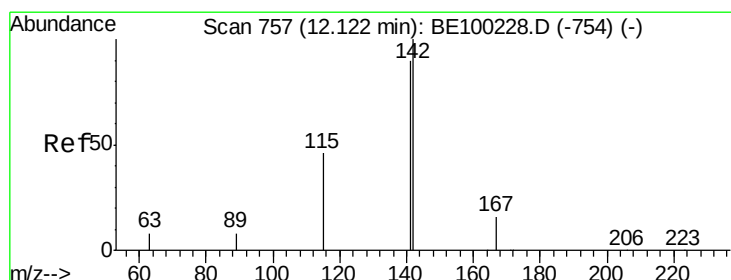
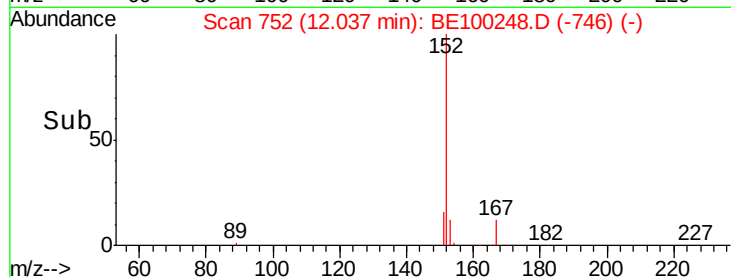
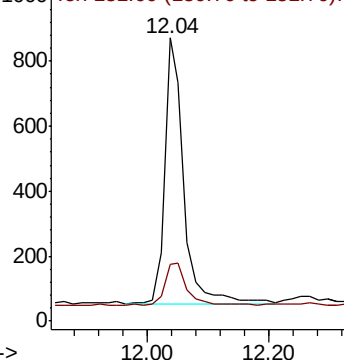
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.102 ng

RT: 12.12 min Scan# 758

Delta R.T. 0.00 min

Lab File: BE100248.D

Acq: 28 Jun 2019 23:14

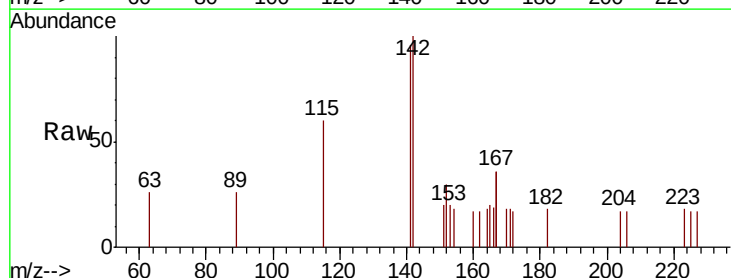
Tgt Ion:142 Resp: 475

Ion Ratio Lower Upper

142 100

141 96.2 72.4 108.6

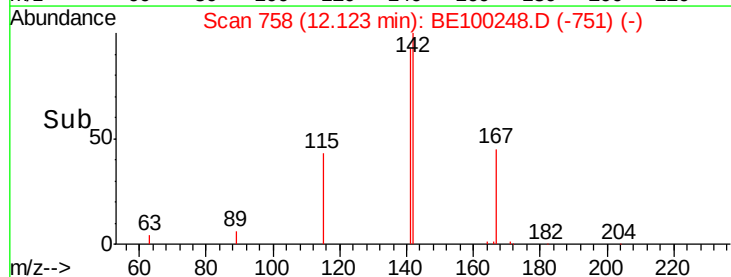
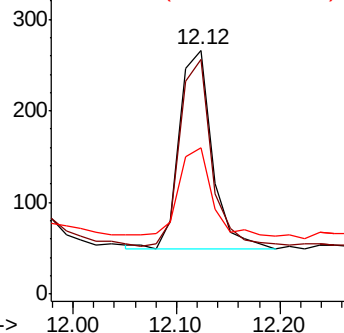
115 59.8 40.4 60.6

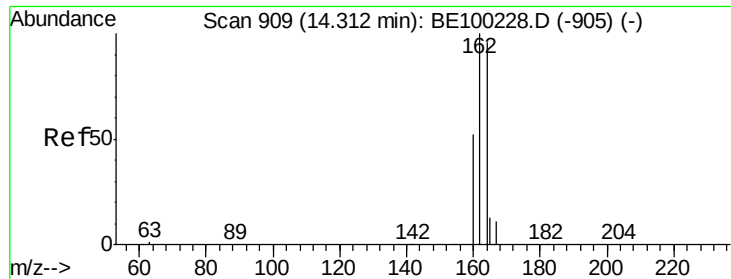


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





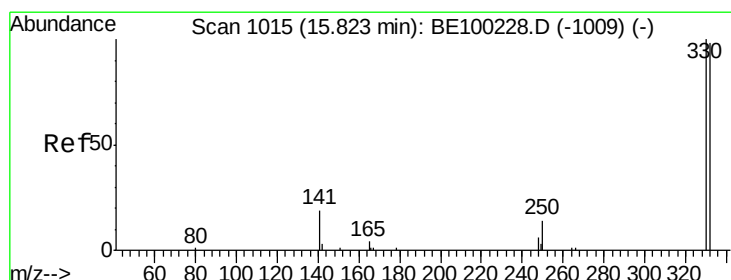
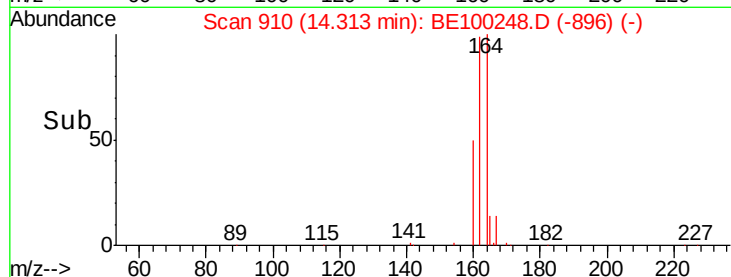
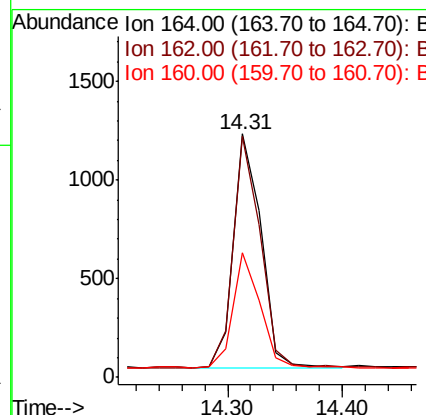
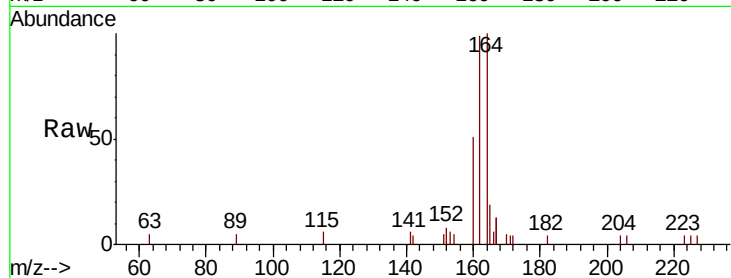
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 910
Delta R.T. 0.00 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.9	83.4	125.0
160	51.3	45.0	67.6

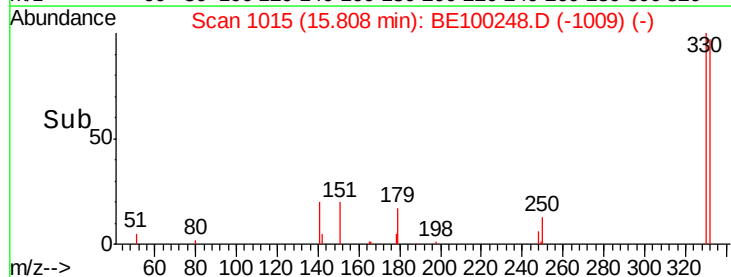
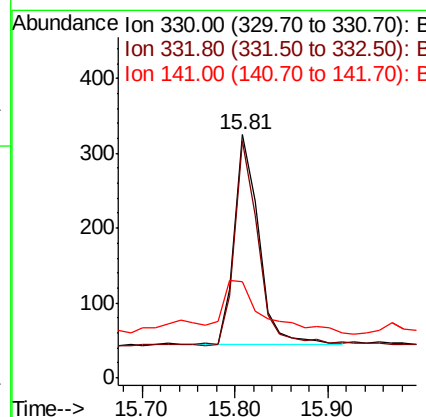
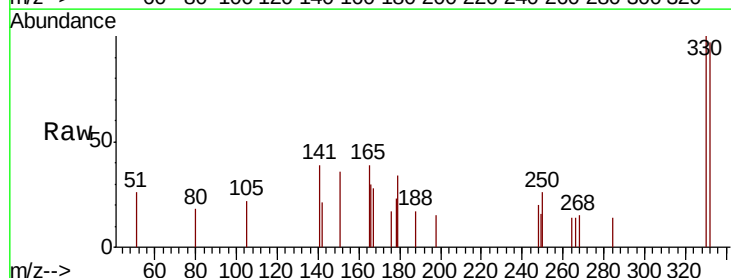
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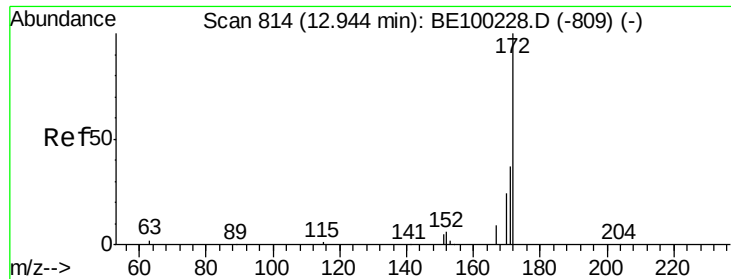
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#14
2,4,6-Tribromophenol
Concen: 0.372 ng
RT: 15.81 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.4
141	43.4	22.0	33.0#





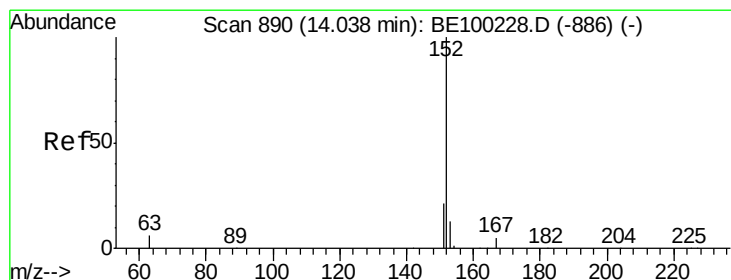
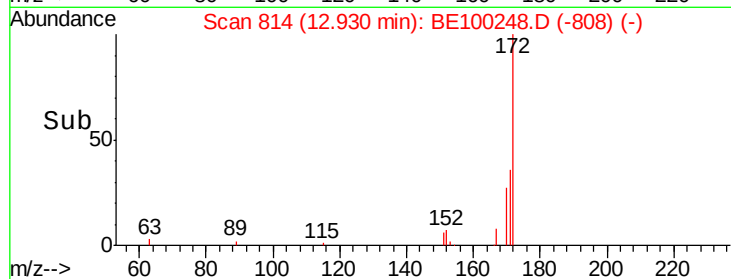
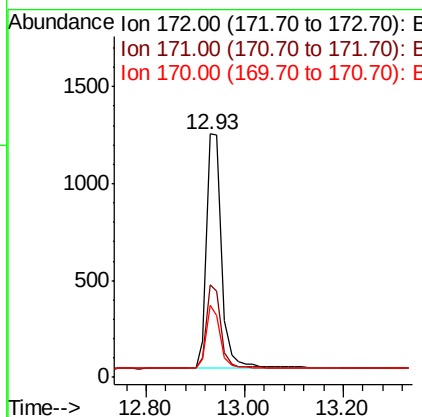
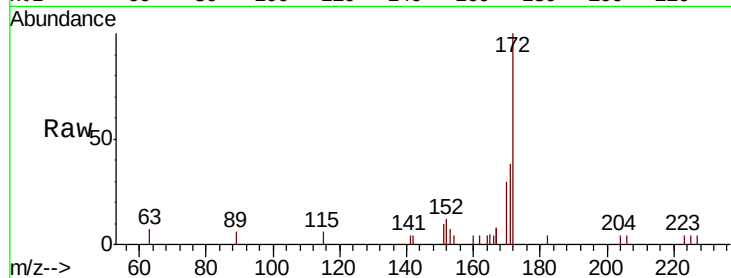
#15
2-Fluorobiphenyl
Concen: 0.344 ng
RT: 12.93 min Scan# 814
Delta R.T. -0.01 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	31.9	47.9
170	29.5	22.2	33.2

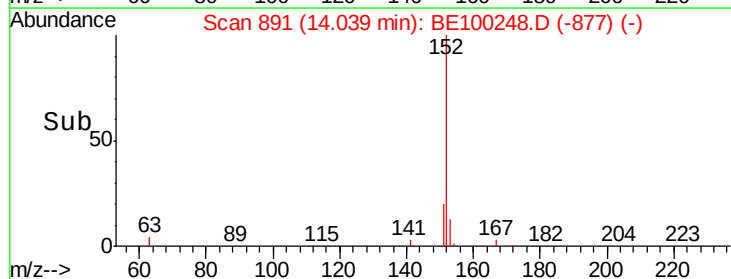
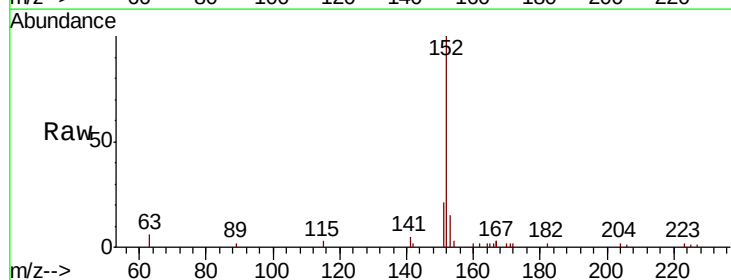
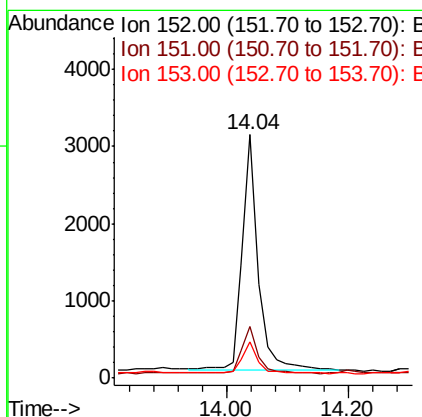
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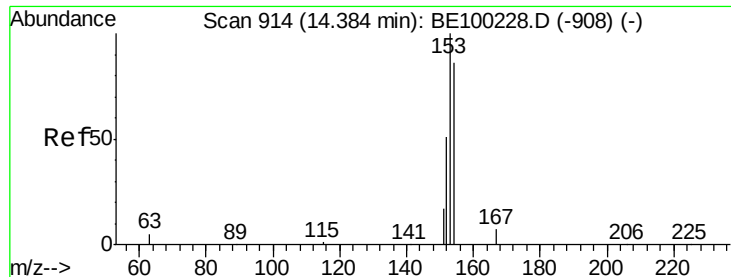
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#16
Acenaphthylene
Concen: 0.578 ng
RT: 14.04 min Scan# 891
Delta R.T. 0.00 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	25.0
153	13.5	10.5	15.7





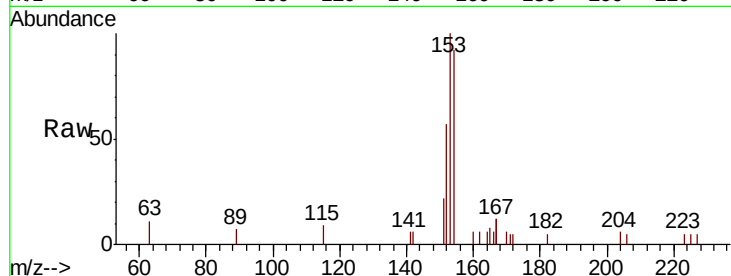
#17
Acenaphthene
Concen: 0.233 ng
RT: 14.38 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819

Tot Ion	Ratio	Lower	Upper
154	100		
153	116.3	93.4	140.2
152	62.5	49.4	74.2

Manual Integrations
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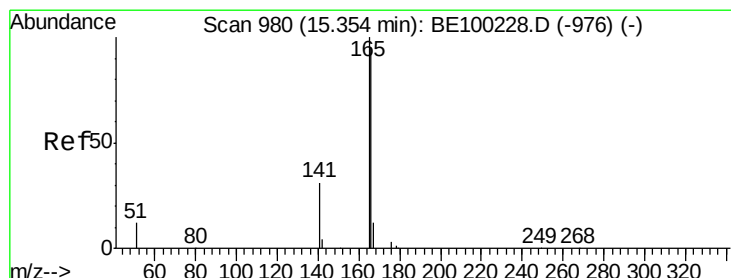
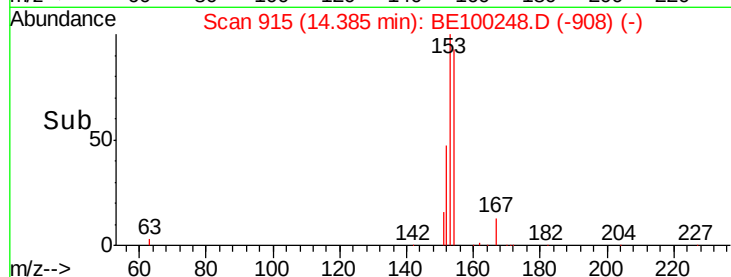
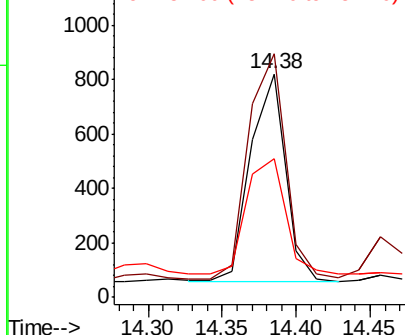


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.335 ng
RT: 15.35 min Scan# 981
Delta R.T. -0.00 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

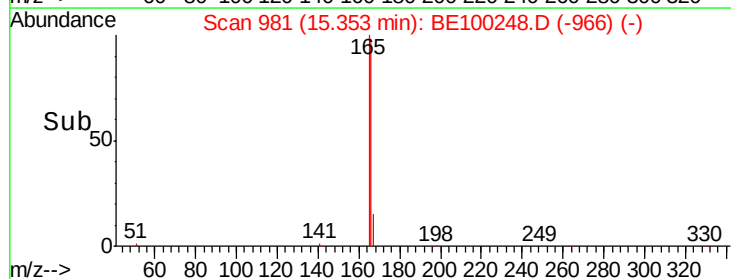
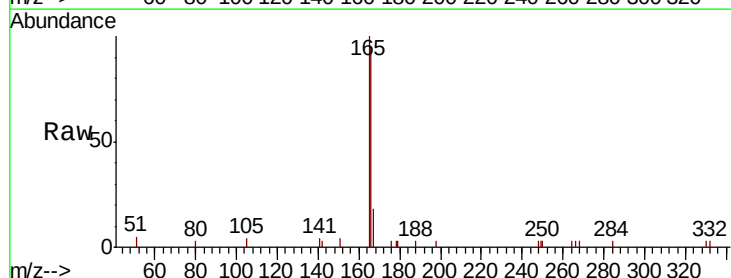
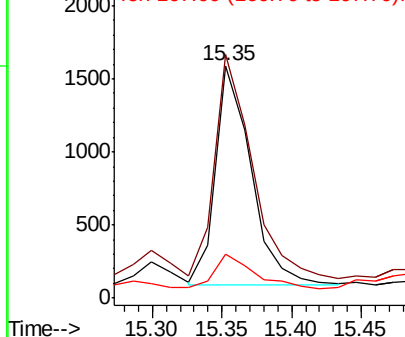
Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.6	81.1	121.7
167	17.5	10.7	16.1#

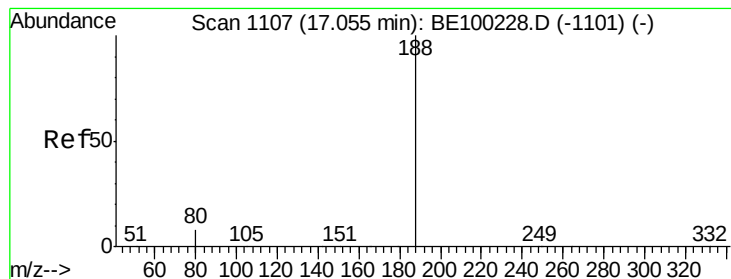
Abundance

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: BE100248.D

Acq: 28 Jun 2019 23:14

Instrument :

BNA_E

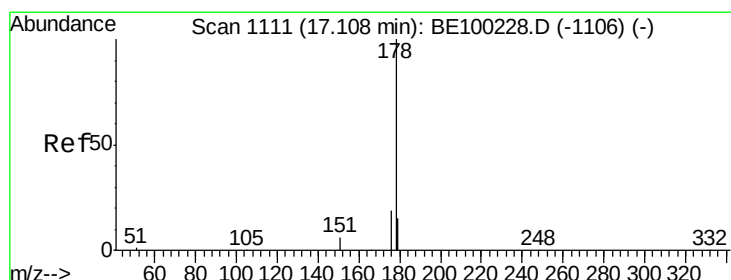
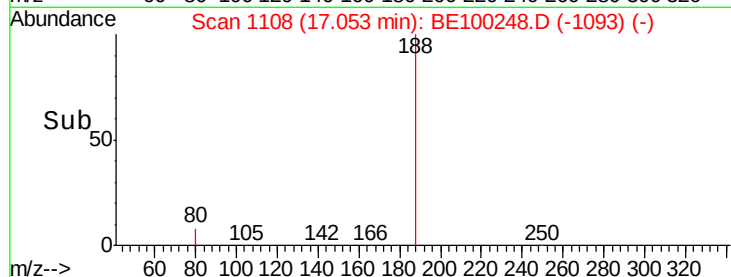
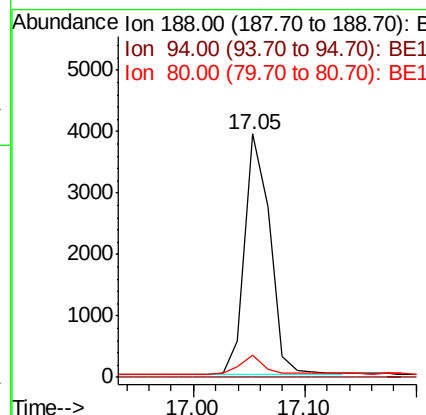
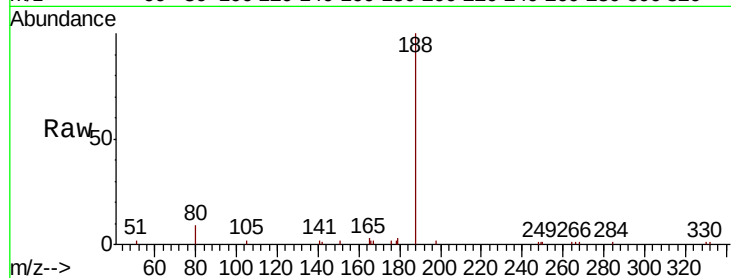
ClientSampleId :

PST-007-SW048-061819

Tot Ion:	188	Resp:	6093
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.0	7.6	11.4

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#23

Phenanthrene

Concen: 6.375 ng

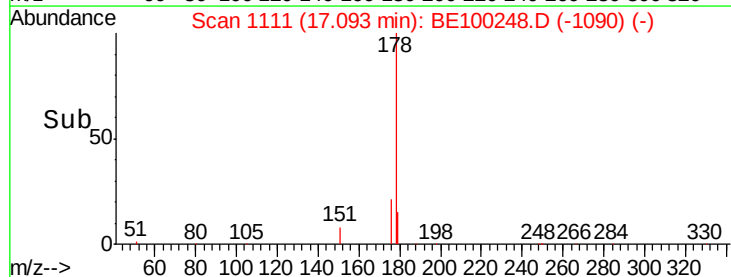
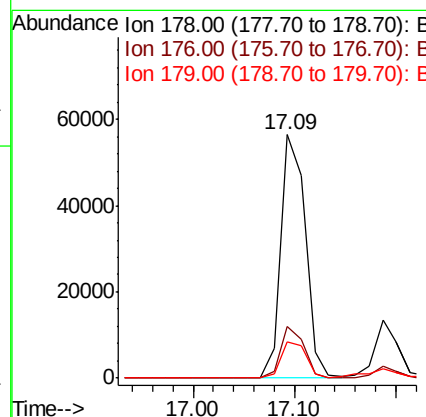
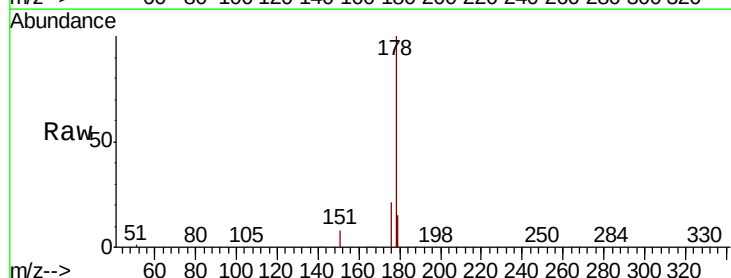
RT: 17.09 min Scan# 1111

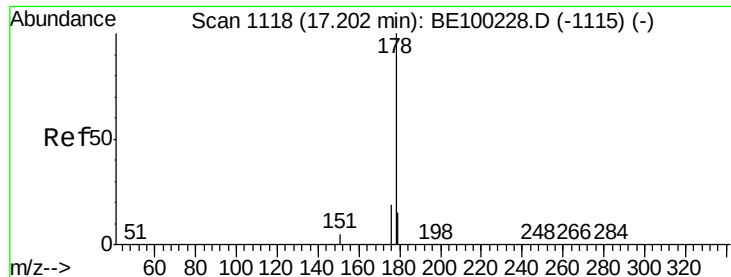
Delta R.T. -0.01 min

Lab File: BE100248.D

Acq: 28 Jun 2019 23:14

Tgt Ion:	178	Resp:	94145
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.9	23.9
179	15.3	12.2	18.2





#24

Anthracene

Concen: 1.473 ng

RT: 17.19 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE100248.D

Acq: 28 Jun 2019 23:14

Instrument :

BNA_E

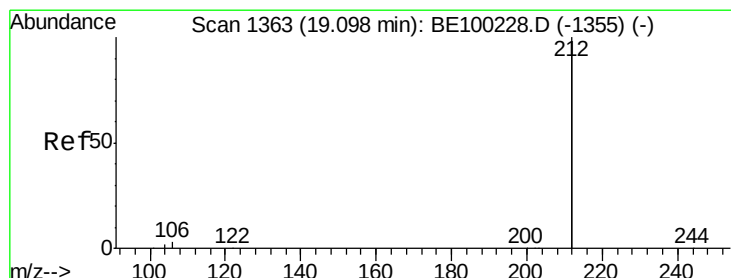
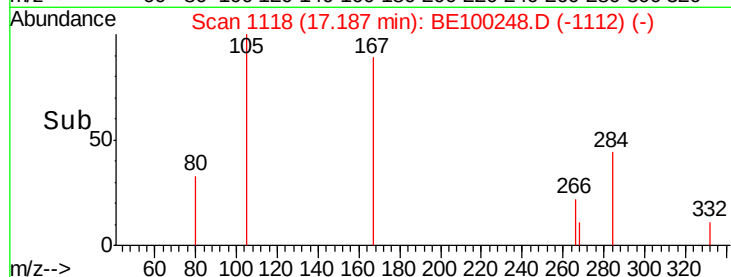
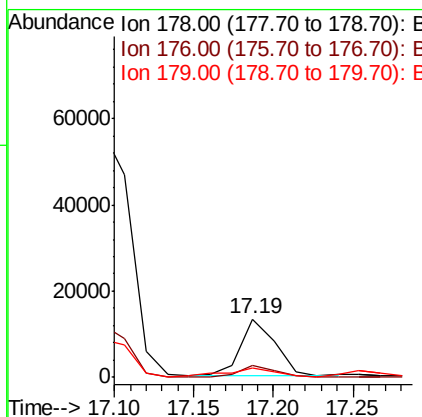
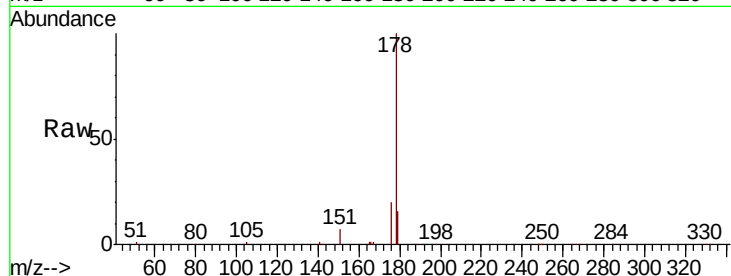
ClientSampleId :

PST-007-SW048-061819

Tot Ion:	178	Resp:	19584
Ion Ratio	Lower	Upper	
178	100		
176	20.2	15.3	22.9
179	20.1	12.2	18.2#

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#25

Fluoranthene-d10

Concen: 0.367 ng

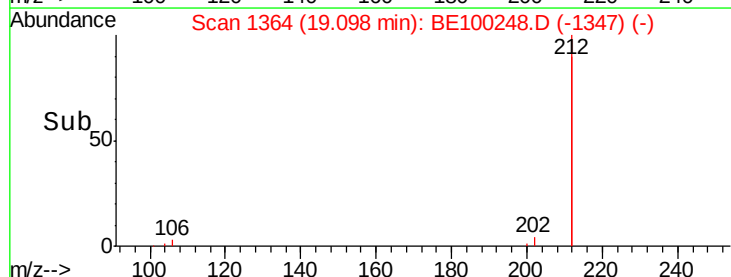
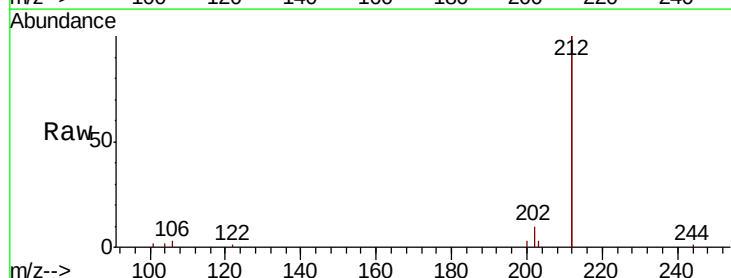
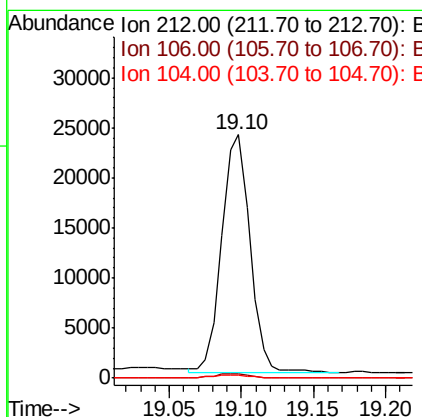
RT: 19.10 min Scan# 1364

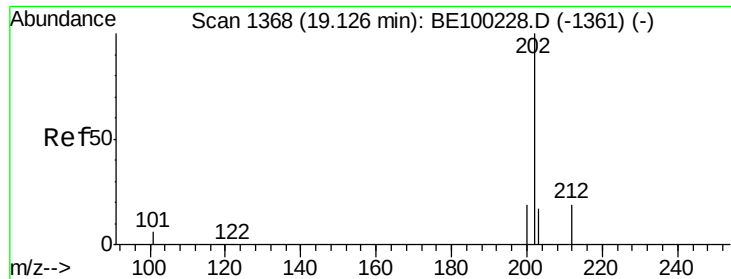
Delta R.T. 0.00 min

Lab File: BE100248.D

Acq: 28 Jun 2019 23:14

Tgt Ion:	212	Resp:	32423
Ion Ratio	Lower	Upper	
212	100		
106	1.6	1.3	1.9
104	0.9	0.8	1.2





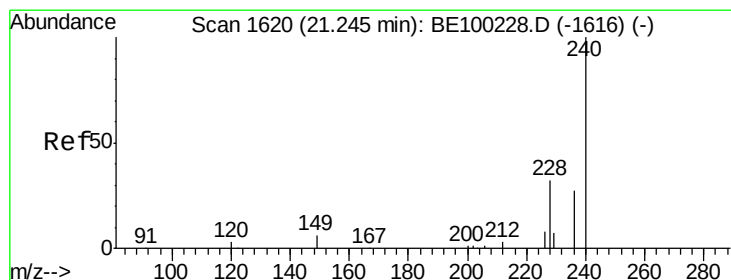
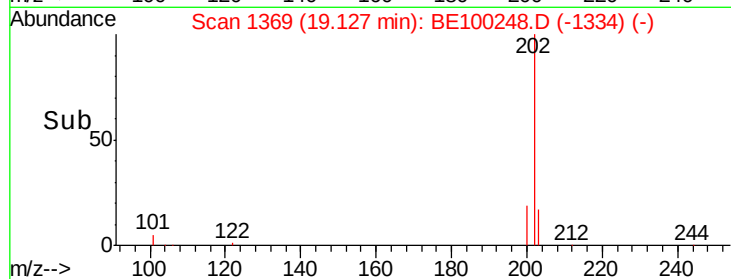
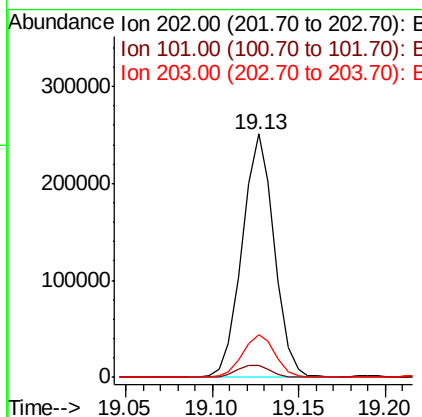
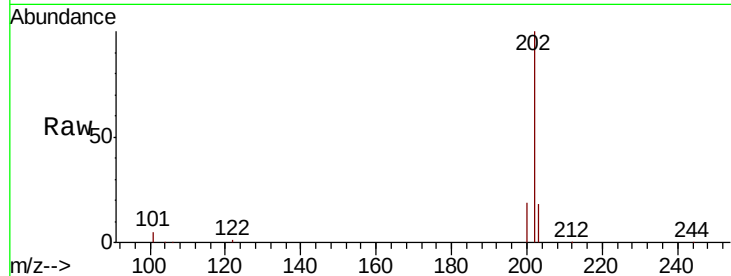
#26
Fluoranthene
Concen: 13.780 ng
RT: 19.13 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819

Tot Ion	Ratio	Resp	Lower	Upper
202	100	324125		
101	5.4		4.6	7.0
203	17.6		13.7	20.5

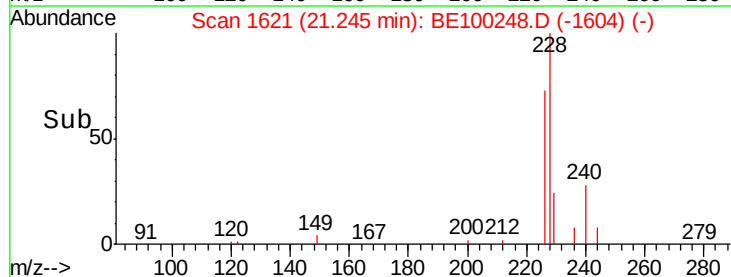
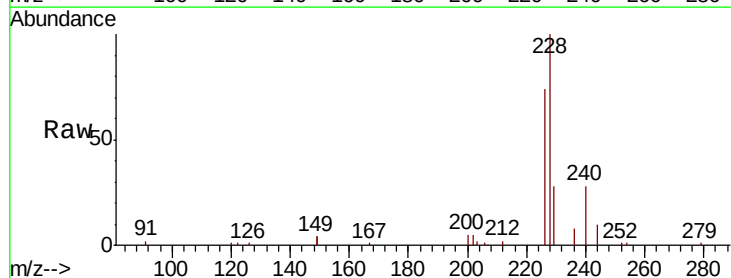
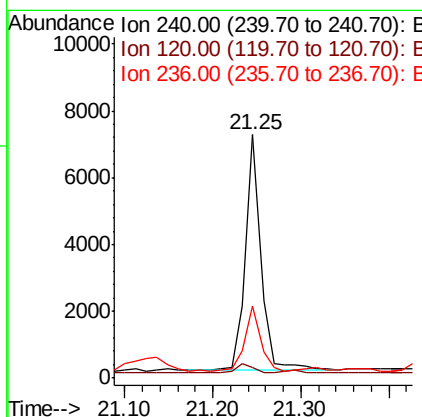
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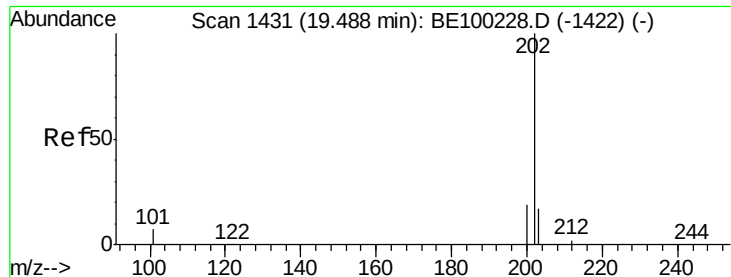
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1621
Delta R.T. 0.00 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	8607		
120	4.5		3.3	4.9
236	29.7		22.6	34.0





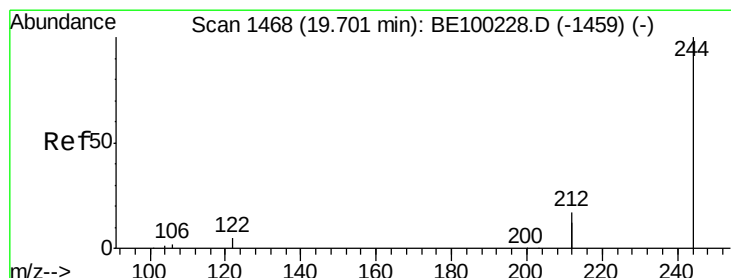
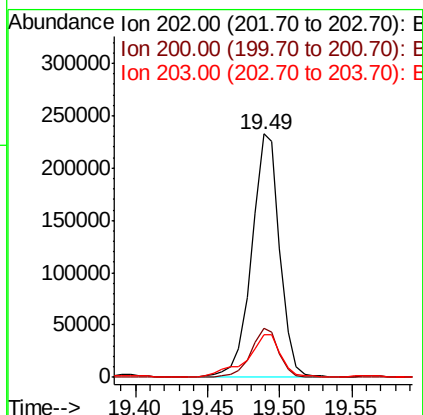
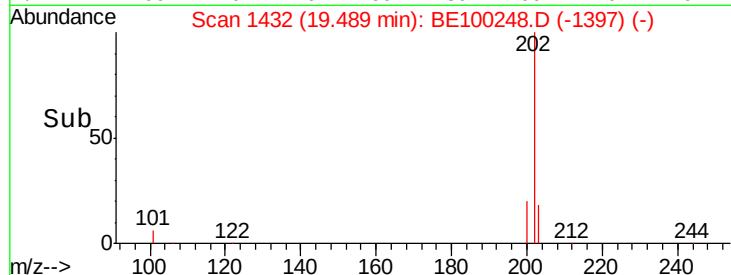
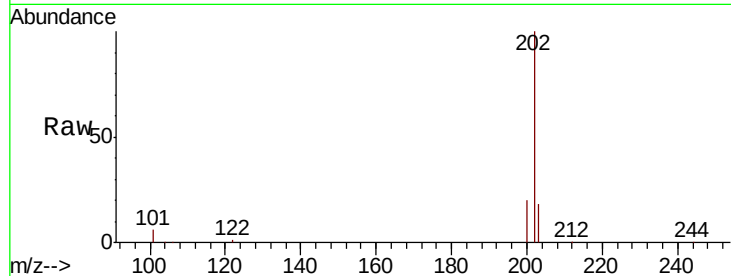
#28
Pvrene
Concen: 13.855 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.9	15.6	23.4
203	21.2	14.0	21.0

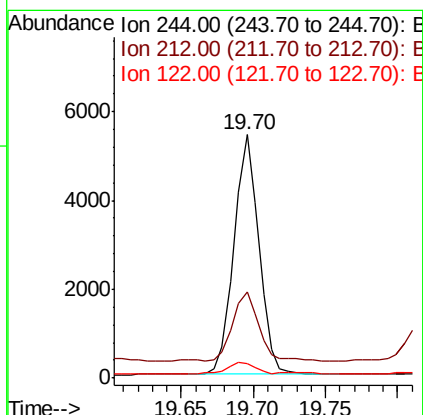
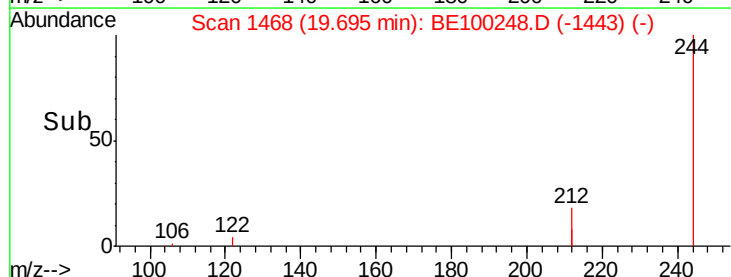
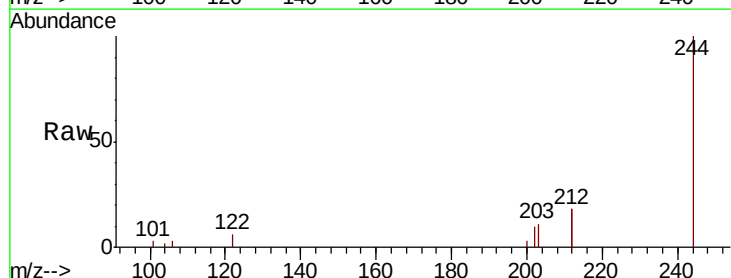
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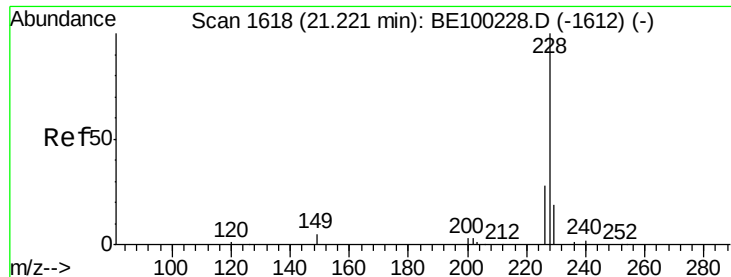
mohammad
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#29
Terphenyl-d14
Concen: 0.365 ng
RT: 19.70 min Scan# 1468
Delta R.T. -0.01 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	35.2	27.3	40.9
122	5.8	4.7	7.1





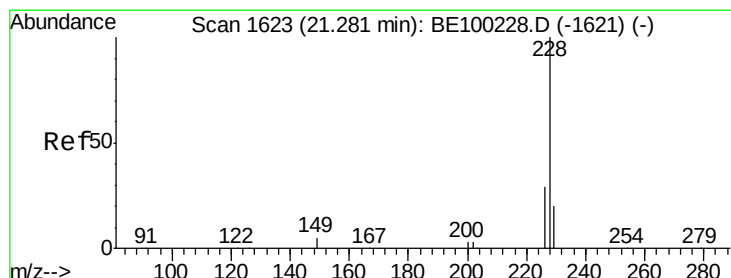
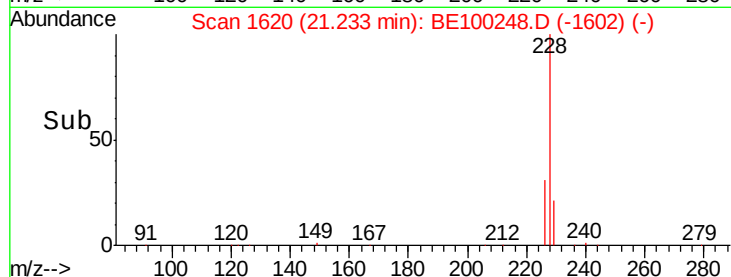
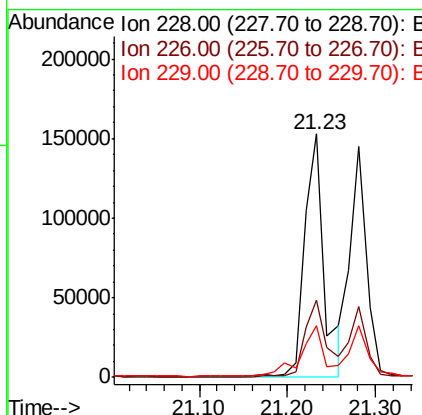
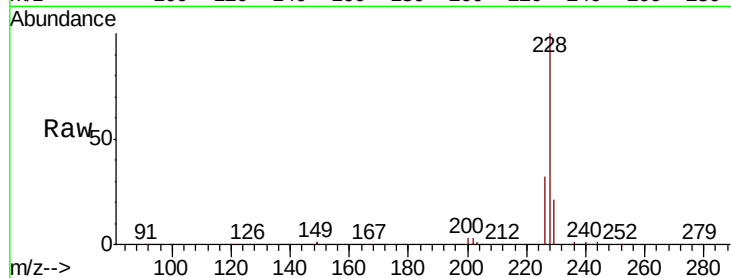
#30
Benzo(a)anthracene
Concen: 8.446 ng
RT: 21.23 min Scan# 1620
Delta R.T. 0.01 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.2	34.8
229	21.3	15.7	23.5

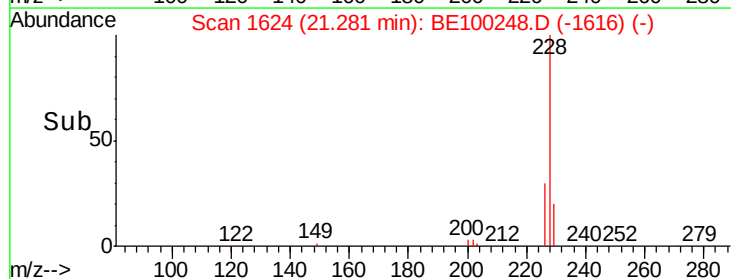
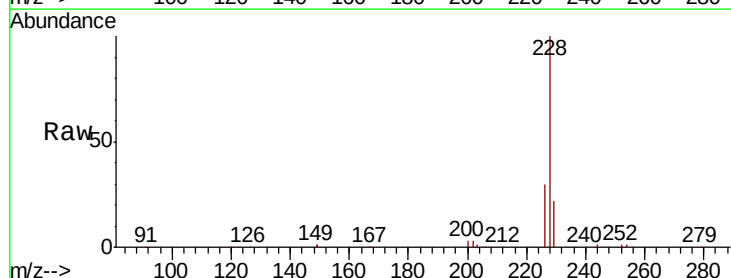
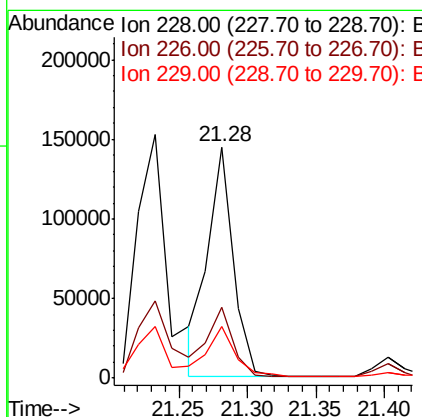
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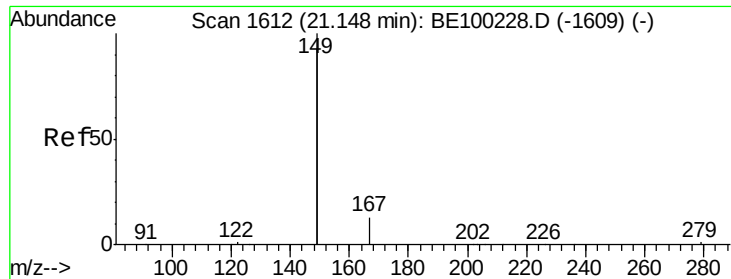
mohammad
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#31
Chrysene
Concen: 6.610 ng
RT: 21.28 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	22.5	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.174 ng

RT: 21.15 min Scan# 1613

Delta R.T. 0.00 min

Lab File: BE100248.D

Acq: 28 Jun 2019 23:14

Instrument :

BNA_E

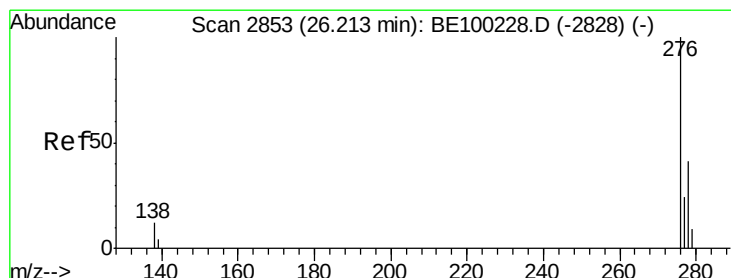
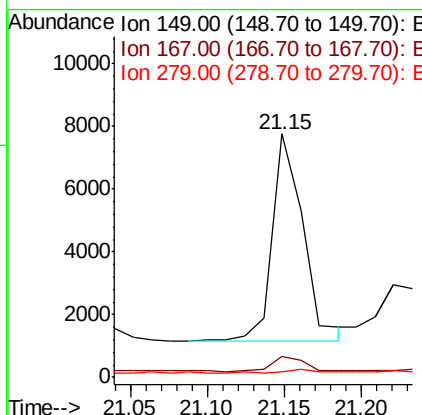
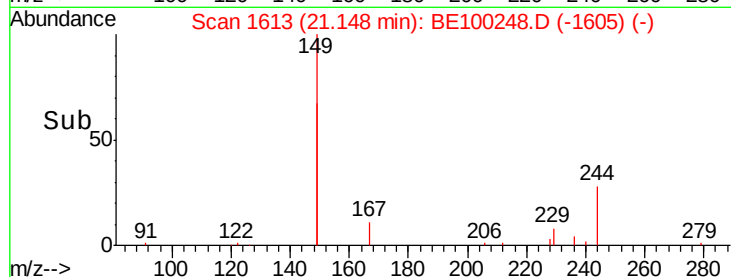
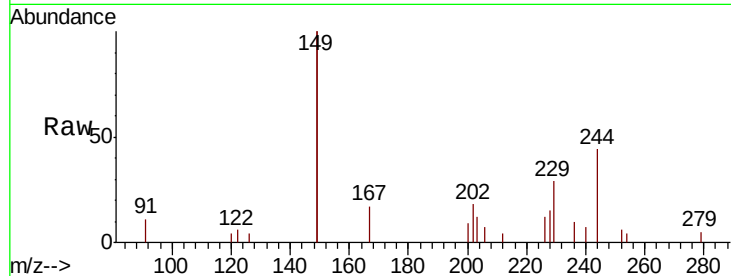
ClientSampleId :

PST-007-SW048-061819

Tot Ion:	149	Resp:	9261
Ion Ratio	Lower	Upper	
149	100		
167	7.5	5.8	8.8
279	1.7	1.1	1.7#

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#33

Indeno(1,2,3-cd)pyrene

Concen: 3.675 ng

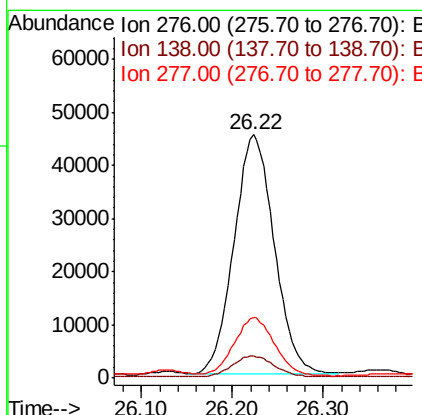
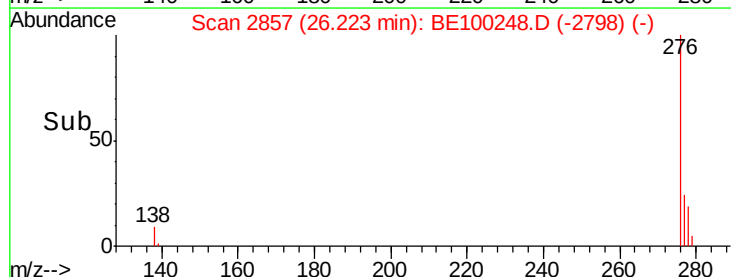
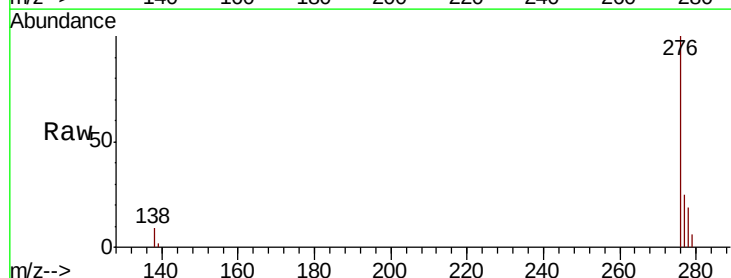
RT: 26.22 min Scan# 2857

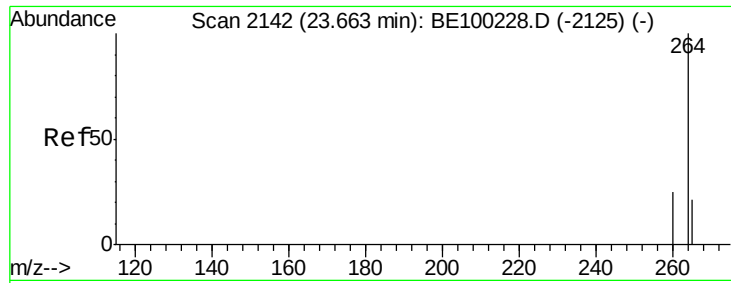
Delta R.T. 0.01 min

Lab File: BE100248.D

Acq: 28 Jun 2019 23:14

Tgt Ion:	276	Resp:	138124
Ion Ratio	Lower	Upper	
276	100		
138	9.1	9.4	14.0#
277	24.6	19.2	28.8





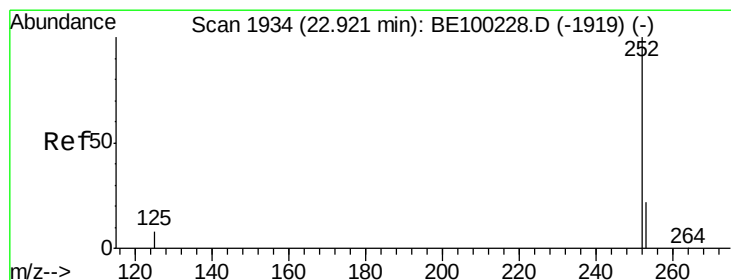
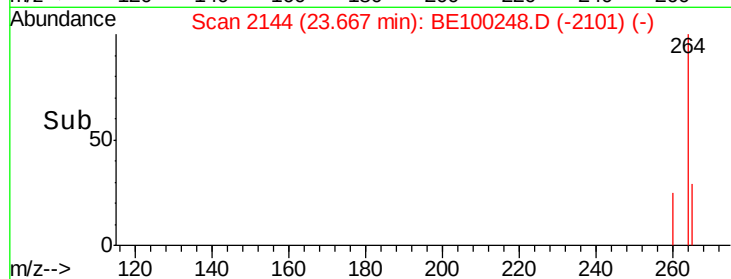
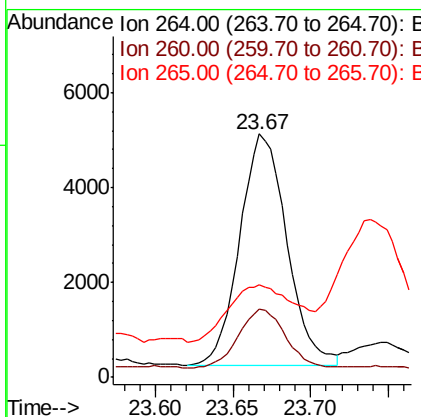
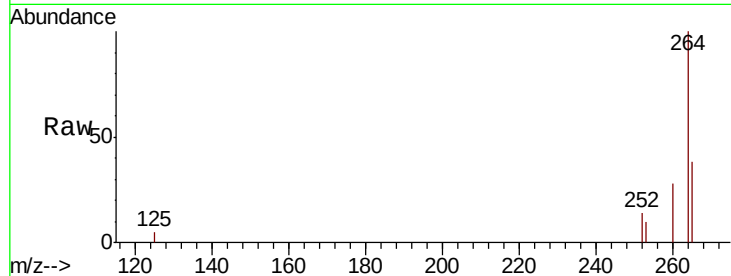
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2144
Delta R.T. 0.00 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.0	20.8	31.2
265	37.9	21.8	32.6

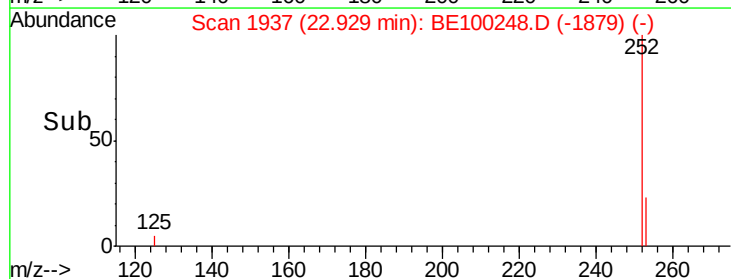
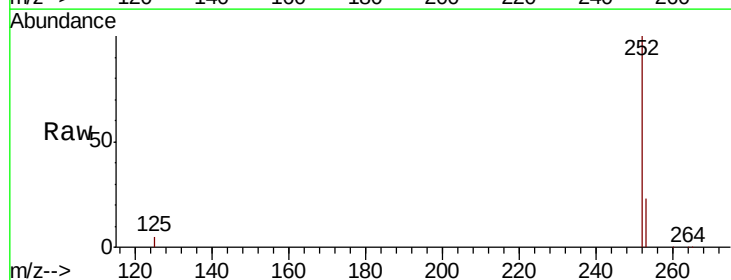
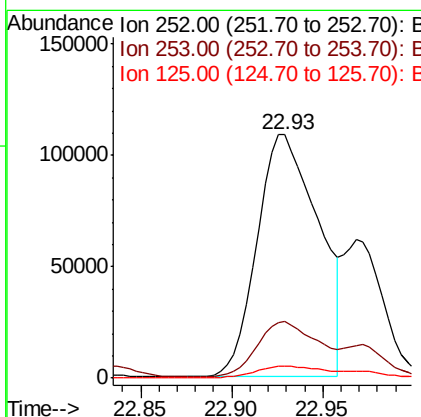
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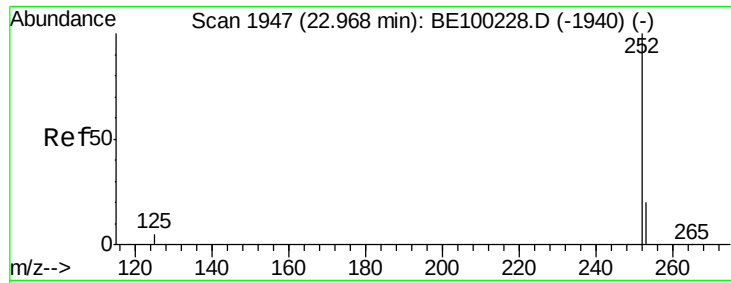
mohammad
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#35
Benzo(b)fluoranthene
Concen: 9.187 ng
RT: 22.93 min Scan# 1937
Delta R.T. 0.01 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.2	28.8
125	4.9	7.4	11.0





#36

Benzo(k)fluoranthene

Concen: 3.123 ng

RT: 22.97 min Scan# 1948

Delta R.T. 0.00 min

Lab File: BE100248.D

Acq: 28 Jun 2019 23:14

Instrument :

BNA_E

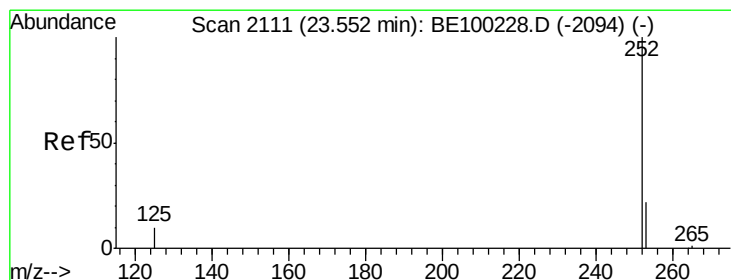
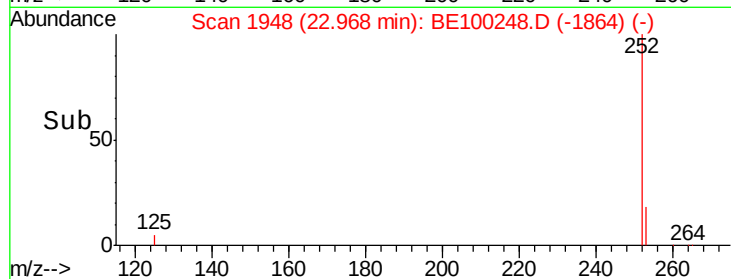
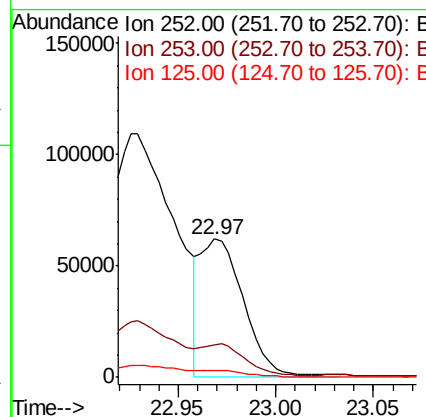
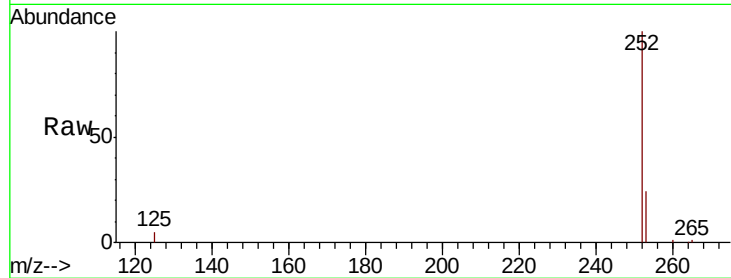
ClientSampleId :

PST-007-SW048-061819

Tot Ion:252	Resp:	97173
Ion Ratio	Lower	Upper
252	100	
253	23.8	17.9 26.9
125	5.4	5.0 7.4

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#37

Benzo(a)pyrene

Concen: 7.206 ng

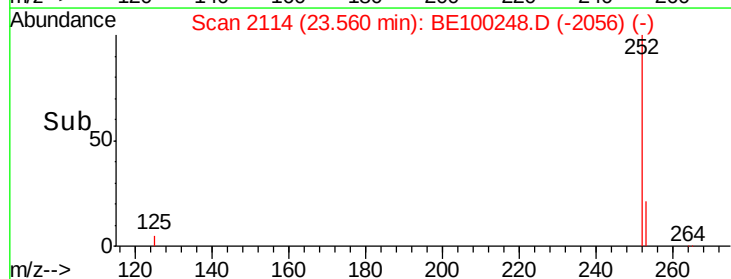
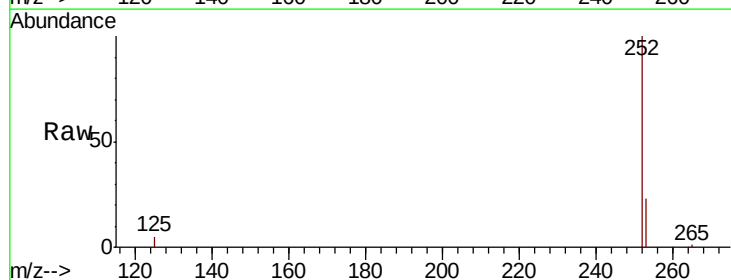
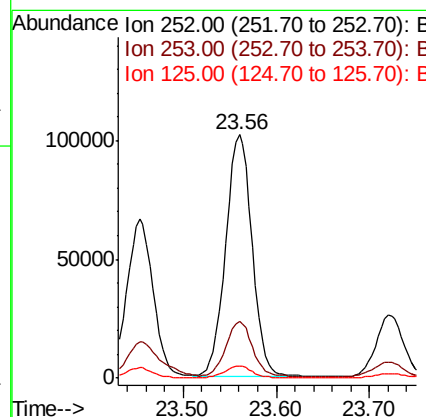
RT: 23.56 min Scan# 2114

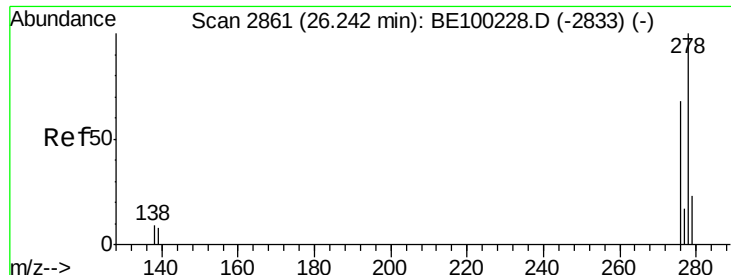
Delta R.T. 0.01 min

Lab File: BE100248.D

Acq: 28 Jun 2019 23:14

Tgt Ion:252	Resp:	201344
Ion Ratio	Lower	Upper
252	100	
253	23.1	19.6 29.4
125	4.9	9.0 13.6#





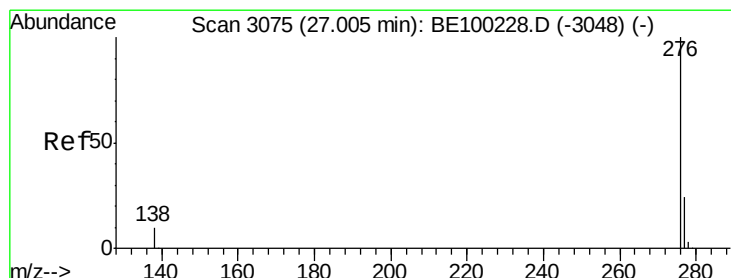
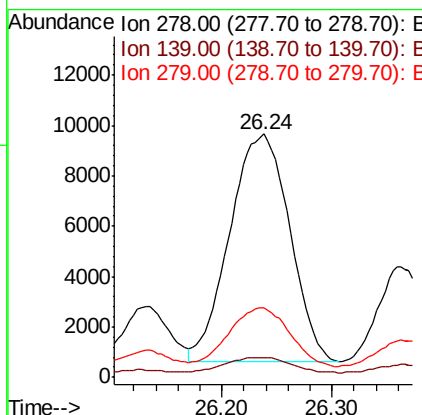
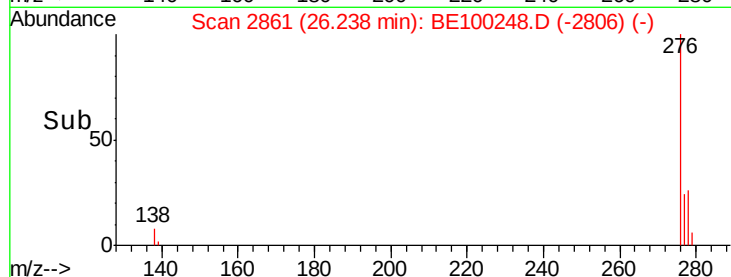
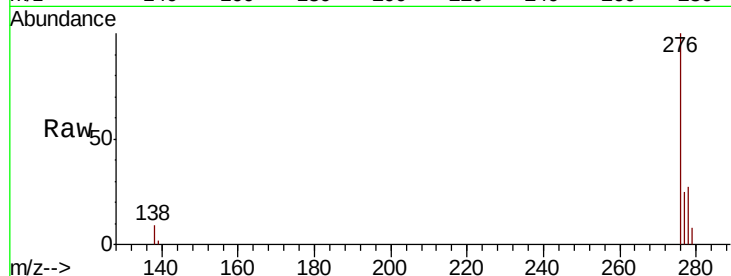
#38
Dibenzo(a,h)anthracene
Concen: 1.167 ng
RT: 26.24 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Instrument :
BNA_E
ClientSampleId :
PST-007-SW048-061819

Tot Ion	Ratio	Lower	Upper
278	100		
139	8.2	8.2	12.2
279	28.7	20.3	30.5

Manual Integrations
APPROVED

mohammad
7/1/2019 3:07:20 PM



#39
Benzo(g,h,i)perylene
Concen: 4.520 ng
RT: 27.02 min Scan# 3079
Delta R.T. 0.01 min
Lab File: BE100248.D
Acq: 28 Jun 2019 23:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	20.2	30.2
138	9.7	9.0	13.6

