

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
 Data File : BE100205.D
 Acq On : 27 Jun 2019 15:27
 Operator : JU/SJ
 Sample : K3428-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 7/1/2019 8:12:02 AM

Quant Time: Jun 27 19:15:56 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062519.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Jun 25 15:40:27 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	728	0.40	ng	-0.01
7) Naphthalene-d8	10.45	136	2486	0.40	ng	-0.03
13) Acenaphthene-d10	14.31	164	1963	0.40	ng	-0.03
19) Phenanthrene-d10	17.07	188	6125	0.40	ng	-0.03
27) Chrysene-d12	21.25	240	8274	0.40	ng	-0.04
34) Perylene-d12	23.66	264	9120	0.40	ng	-0.07
System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	533	0.33	ng	0.00
5) Phenol-d6	6.84	99	692	0.31	ng	-0.04
8) Nitrobenzene-d5	8.84	82	696	0.28	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	1706	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.82	330	358	0.31	ng	-0.03
15) 2-Fluorobiphenyl	12.94	172	2296	0.29	ng	-0.03
25) Fluoranthene-d10	19.10	212	32399	0.37	ng	-0.03
29) Terphenyl-d14	19.70	244	5618	0.35	ng	-0.04
Target Compounds						
23) Phenanthrene	17.11	178	1676	0.116	ng	Qvalue 98
26) Fluoranthene	19.13	202	5642	0.239	ng	99
28) Pyrene	19.49	202	5272	0.249	ng	# 96
30) Benzo(a)anthracene	21.23	228	3742	0.153	ng	# 89
31) Chrysene	21.28	228	4240	0.148	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.15	149	9785	0.349	ng	99
33) Indeno(1,2,3-cd)pyrene	26.22	276	2606	0.064	ng	# 98
35) Benzo(b)fluoranthene	22.92	252	5156	0.210	ng	# 81
36) Benzo(k)fluoranthene	22.96	252	2002m	0.068	ng	
37) Benzo(a)pyrene	23.56	252	3427	0.135	ng	# 80
38) Dibenzo(a,h)anthracene	26.24	278	761	0.028	ng	# 49
39) Benzo(g,h,i)perylene	27.01	276	2618	0.092	ng	# 87

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

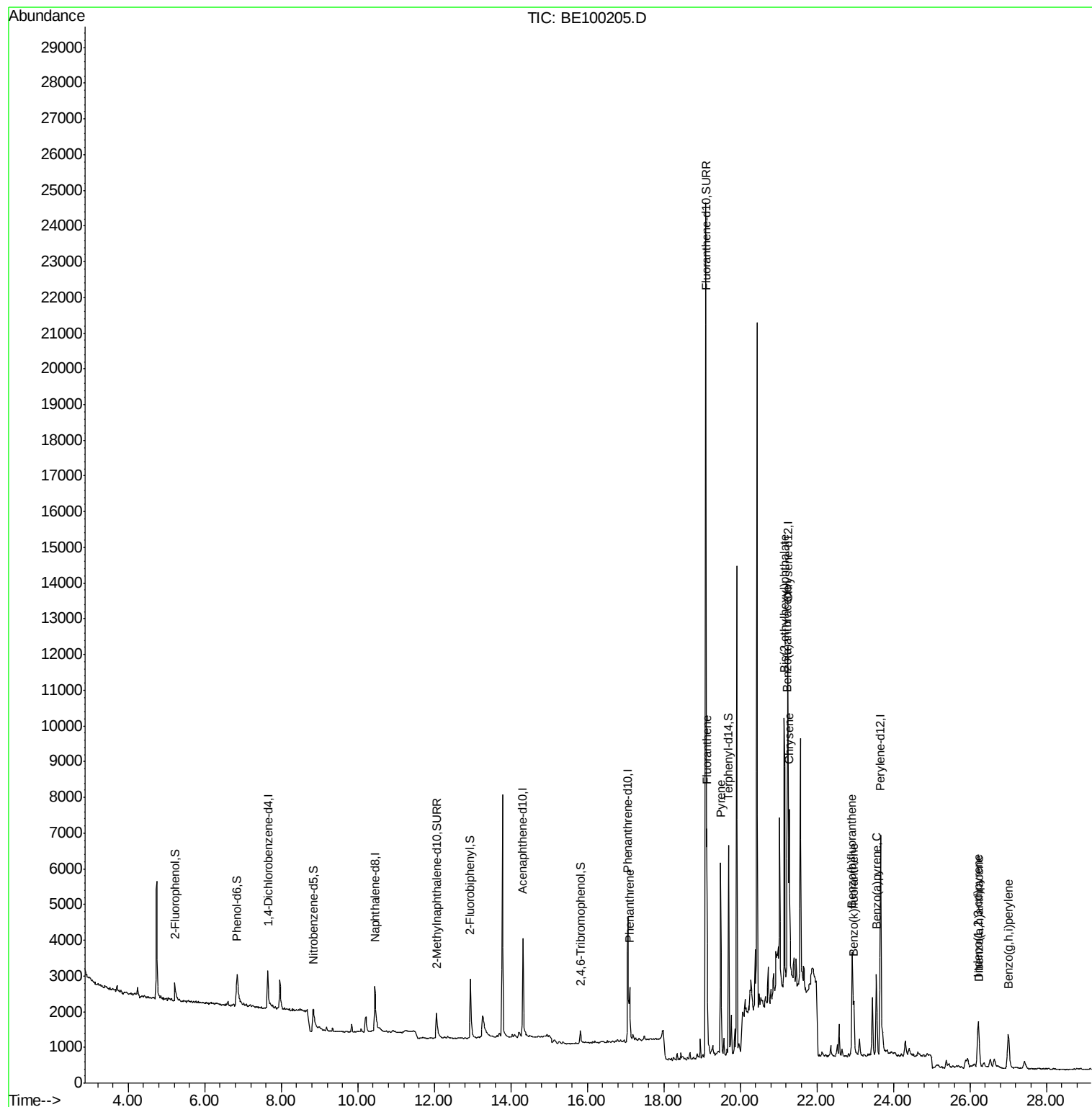
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
Data File : BE100205.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

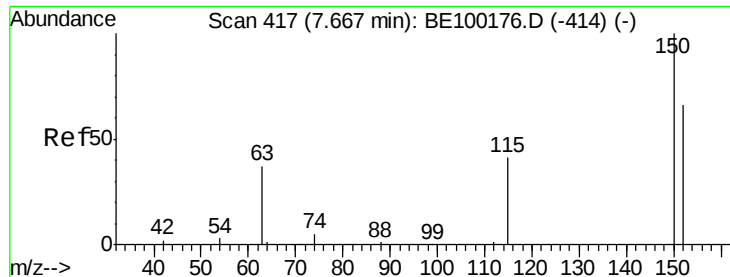
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#1

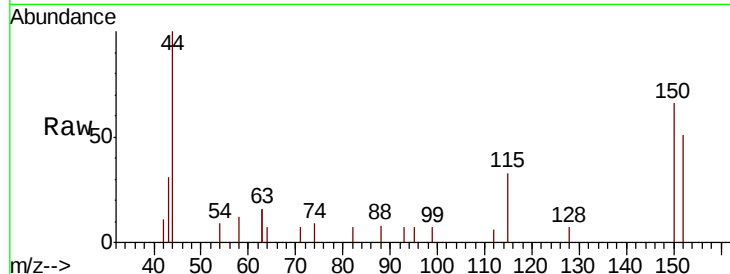
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 416
Delta R.T. -0.01 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

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

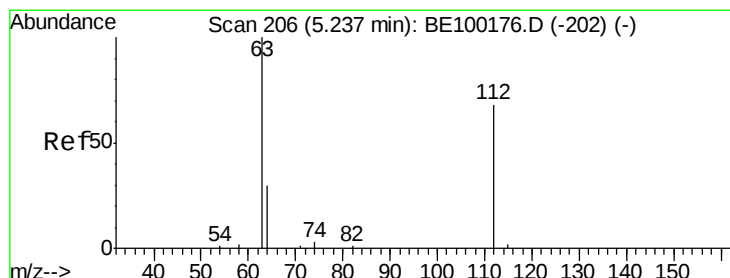
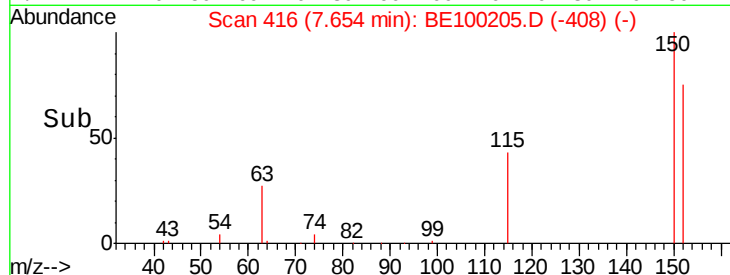
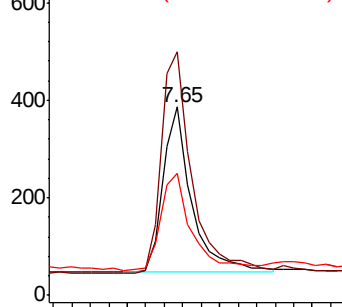
Tot Ion	Ratio	Lower	Upper
152	100		
150	129.3	113.4	170.2
115	65.0	55.8	83.6

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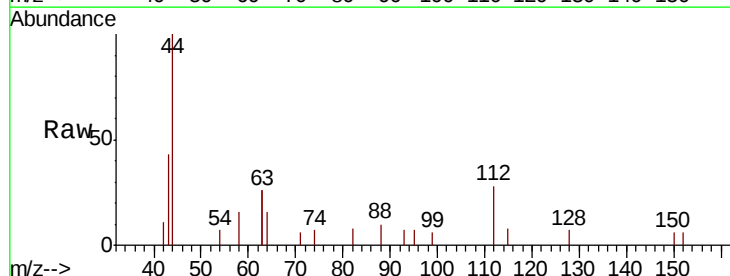
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



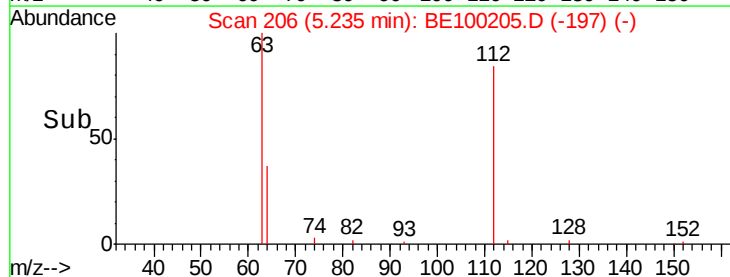
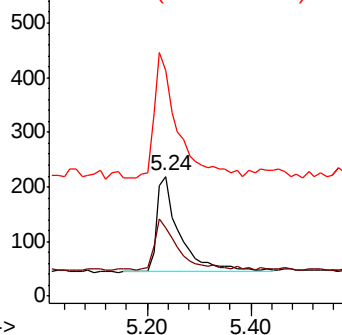
#4

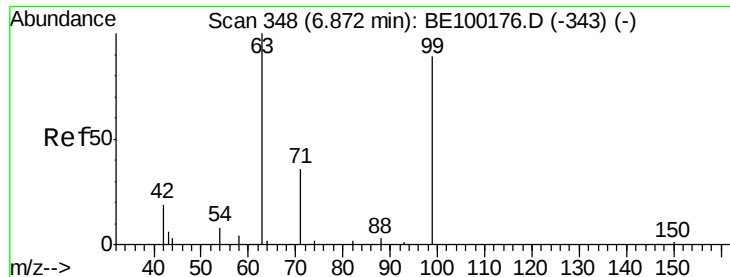
2-Fluorophenol
Concen: 0.329 ng
RT: 5.24 min Scan# 206
Delta R.T. -0.00 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	40.7	61.1
63	134.5	93.2	139.8



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: 0.311 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.04 min

Lab File: BE100205.D

Acq: 27 Jun 2019 15:27

Instrument :

BNA_E

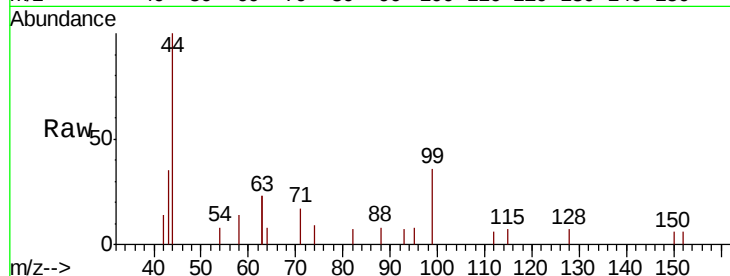
ClientSampleId :

PST-084-B046-061319

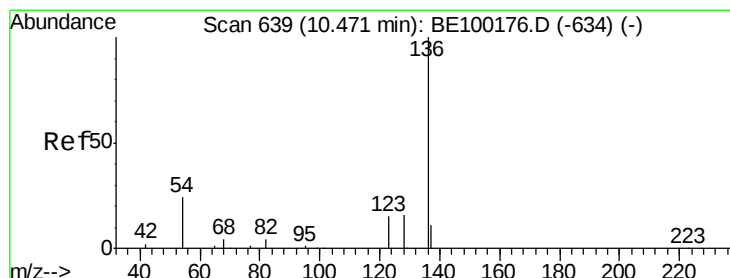
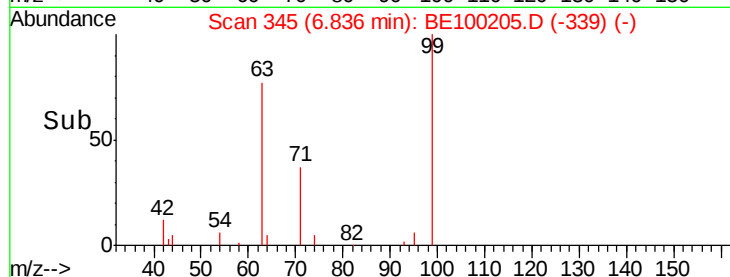
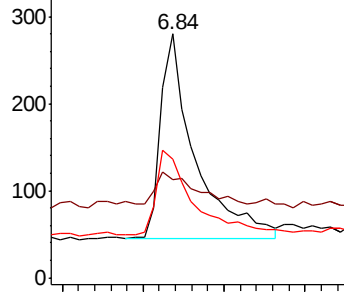
Tot Ion:	99	Resp:	692
Ion	Ratio	Lower	Upper
99	100		
42	17.9	10.4	15.6#
71	45.5	32.4	48.6

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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: 10.45 min Scan# 637

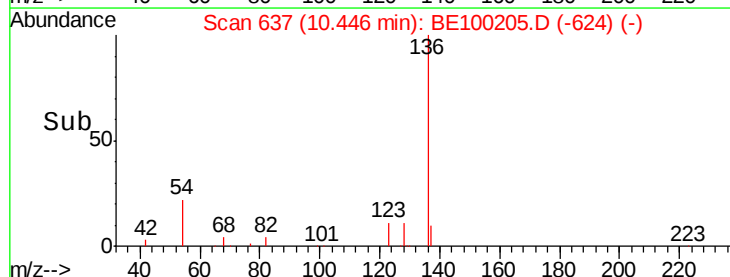
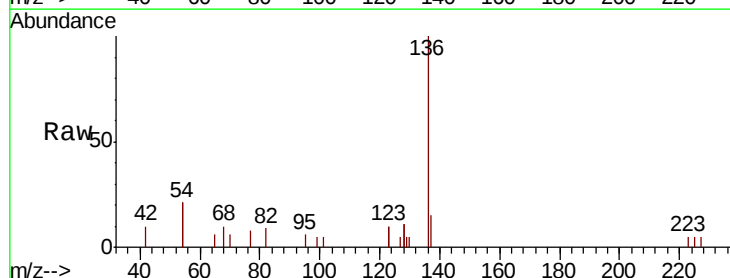
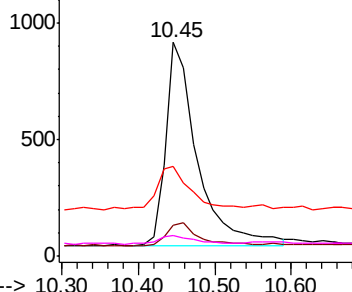
Delta R.T. -0.03 min

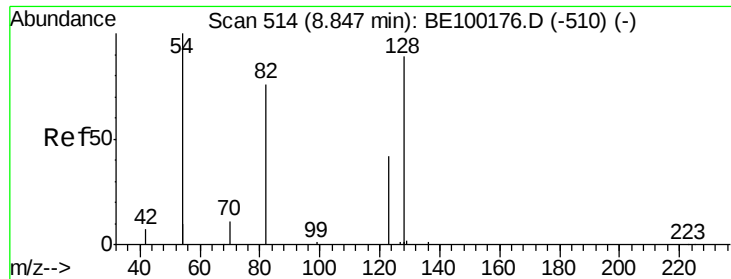
Lab File: BE100205.D

Acq: 27 Jun 2019 15:27

Tgt Ion:	136	Resp:	2486
Ion	Ratio	Lower	Upper
136	100		
137	14.6	13.8	20.8
54	42.1	35.4	53.2
68	9.8	8.8	13.2

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: 0.281 ng

RT: 8.84 min Scan# 513

Delta R.T. -0.01 min

Lab File: BE100205.D

Acq: 27 Jun 2019 15:27

Instrument :

BNA_E

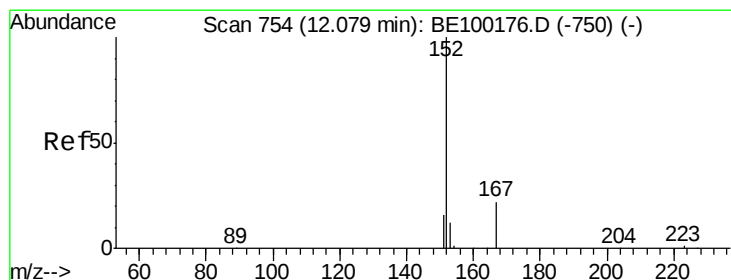
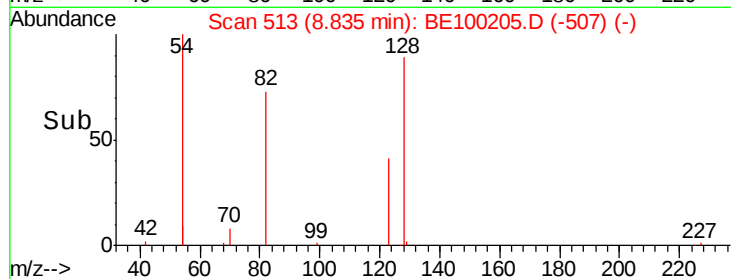
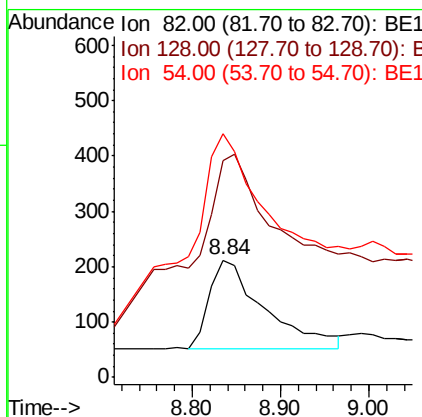
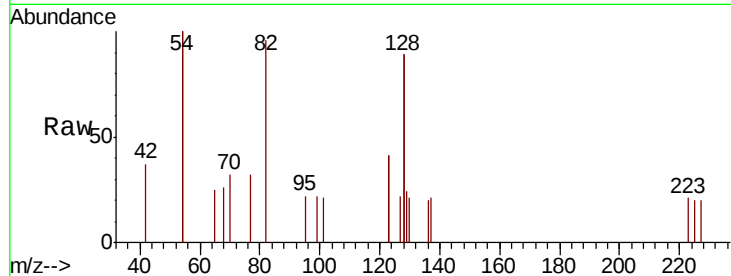
ClientSampleId :

PST-084-B046-061319

Tot Ion:	82	Resp:	696
Ion	Ratio	Lower	Upper
82	100		
128	184.9	144.6	217.0
54	207.5	163.0	244.6

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#11

2-Methylnaphthalene-d10

Concen: 0.366 ng

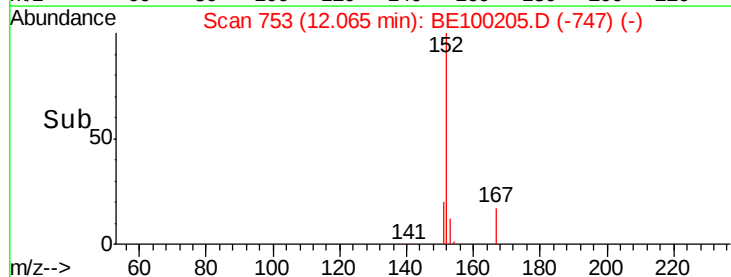
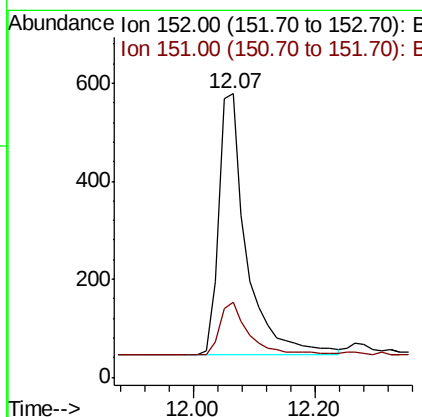
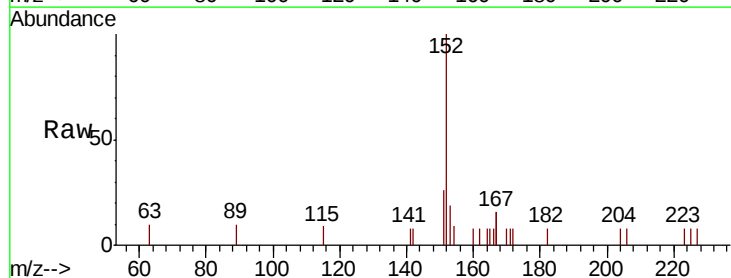
RT: 12.07 min Scan# 753

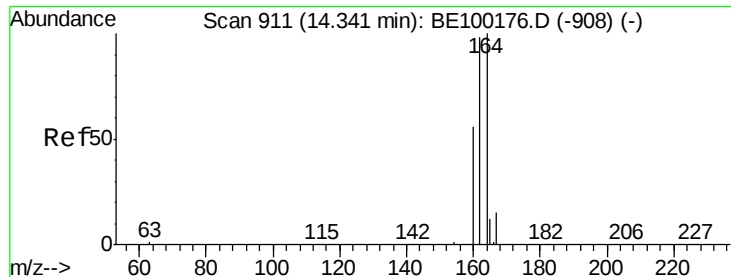
Delta R.T. -0.01 min

Lab File: BE100205.D

Acq: 27 Jun 2019 15:27

Tgt Ion:	152	Resp:	1706
Ion	Ratio	Lower	Upper
152	100		
151	21.4	16.3	24.5





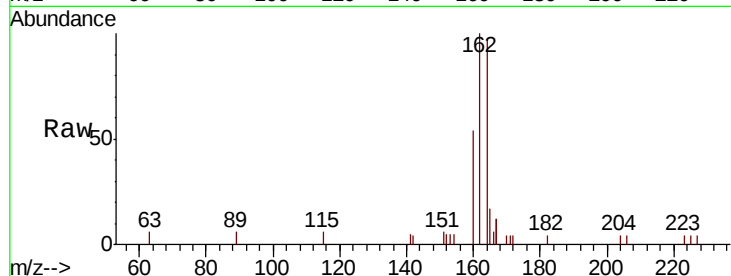
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.03 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	78.6	118.0
160	55.5	46.9	70.3

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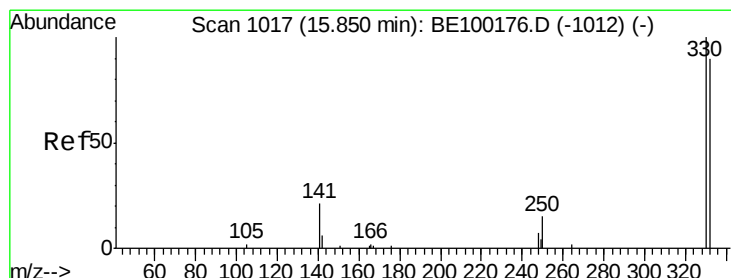
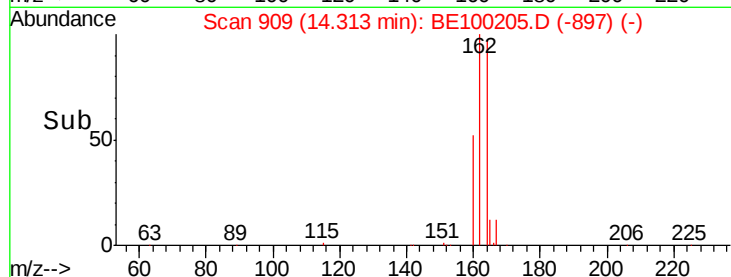
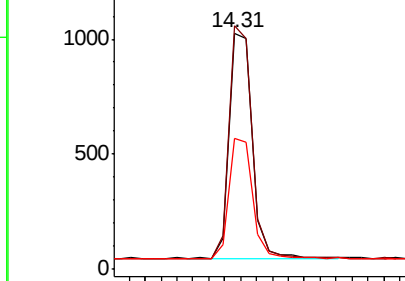


Abundance

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: 0.315 ng
RT: 15.82 min Scan# 1015
Delta R.T. -0.03 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

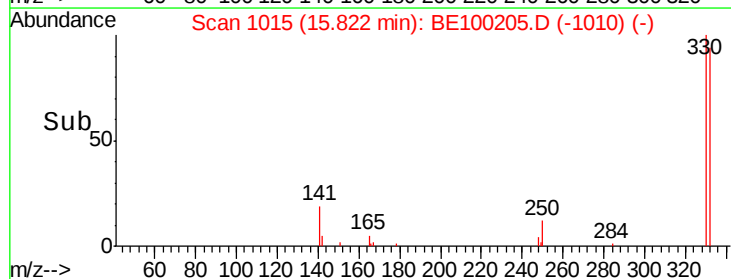
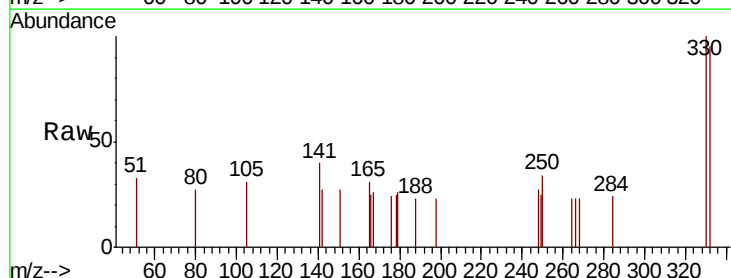
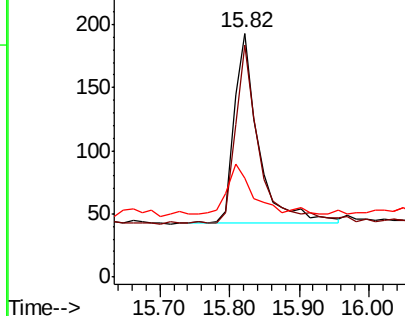
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.7	116.5
141	26.8	18.9	28.3

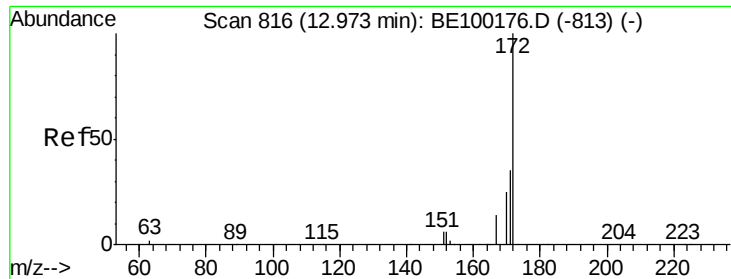
Abundance

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





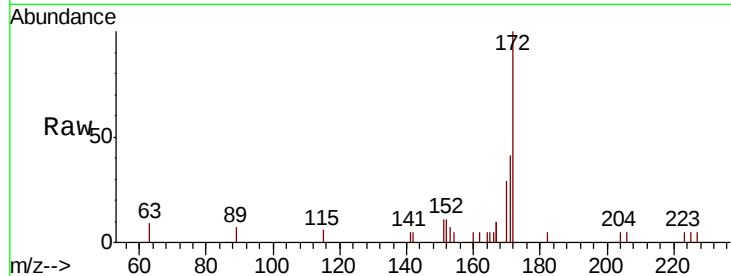
#15
2-Fluorobiphenyl
Concen: 0.292 ng
RT: 12.94 min Scan# 814
Delta R.T. -0.03 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.7	31.0	46.4
170	29.4	23.9	35.9

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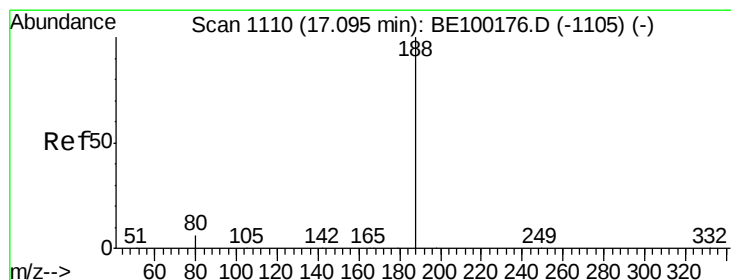
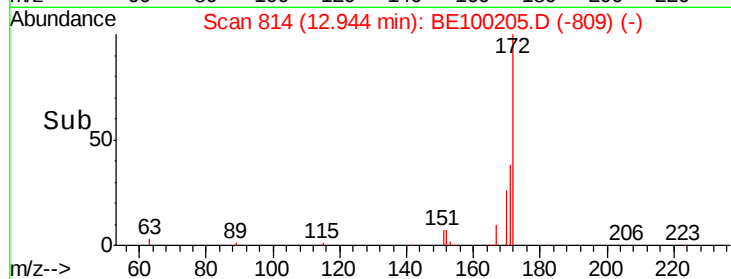
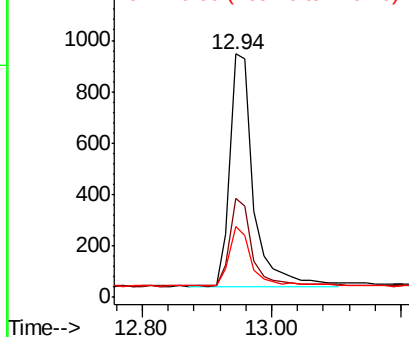


Abundance

Ion 172.00 (171.70 to 172.70): E

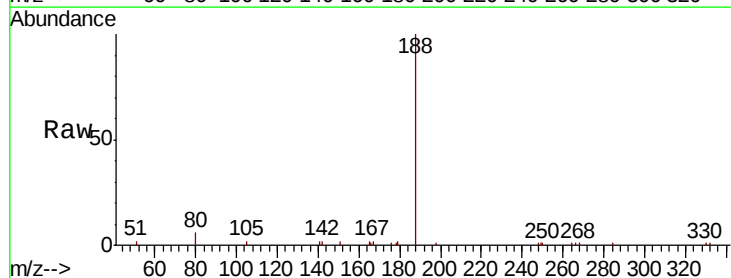
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.07 min Scan# 1108
Delta R.T. -0.03 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.2	6.4	9.6#

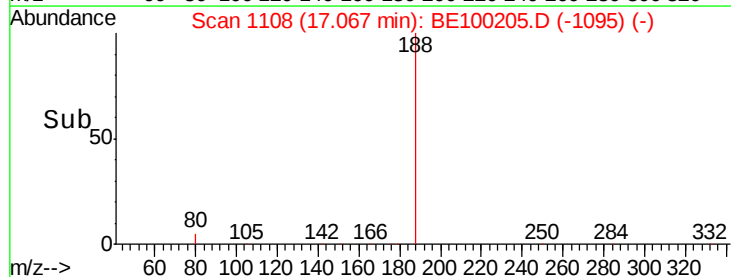
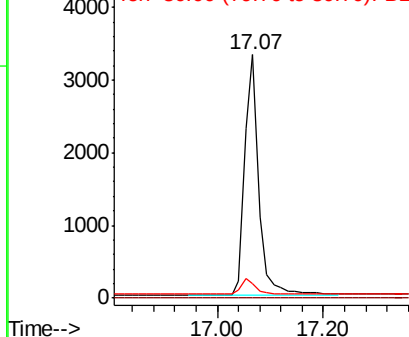


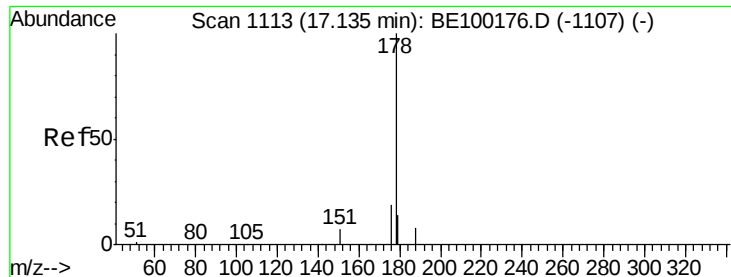
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1





#23

Phenanthrene

Concen: 0.116 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.03 min

Lab File: BE100205.D

Acq: 27 Jun 2019 15:27

Instrument :

BNA_E

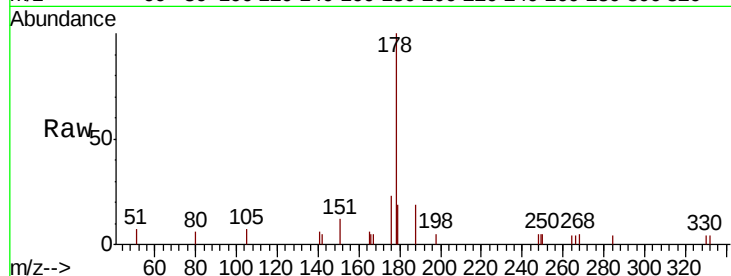
ClientSampleId :

PST-084-B046-061319

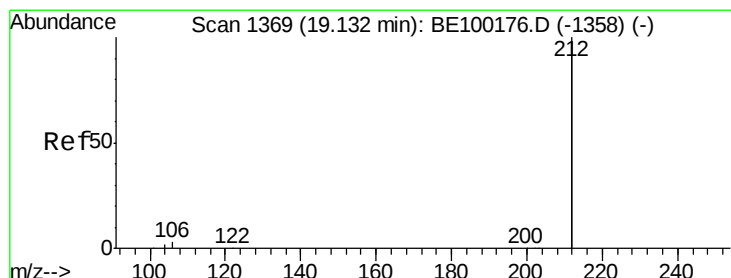
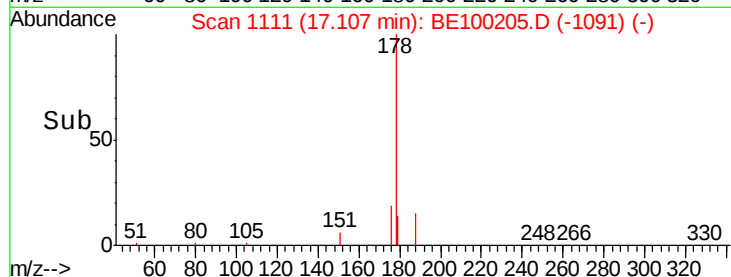
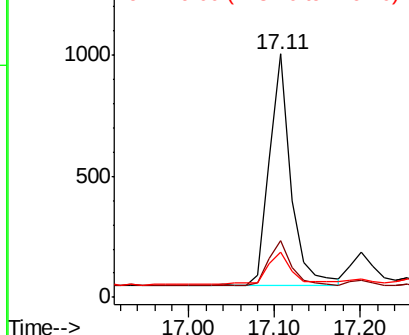
Tot Ion:178	Resp:	1676
Ion Ratio	Lower	Upper
178	100	
176	20.9	15.5 23.3
179	15.3	12.2 18.2

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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



#25

Fluoranthene-d10

Concen: 0.367 ng

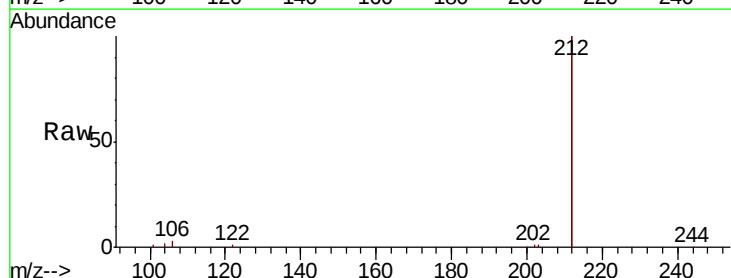
RT: 19.10 min Scan# 1363

Delta R.T. -0.03 min

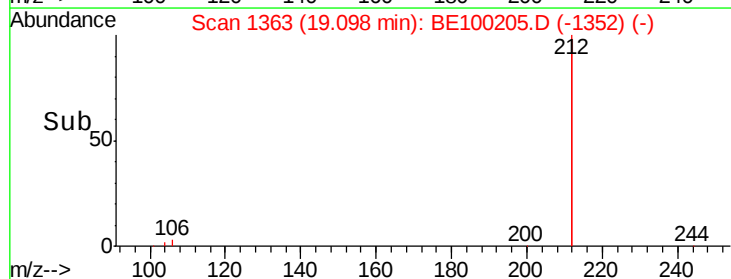
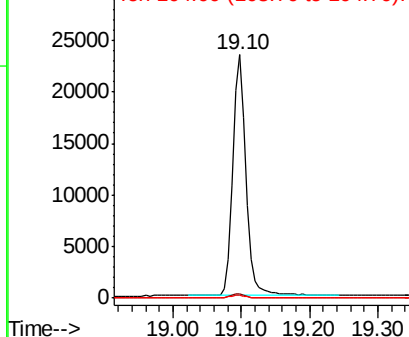
Lab File: BE100205.D

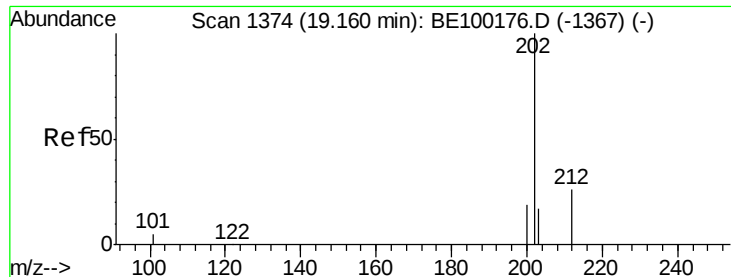
Acq: 27 Jun 2019 15:27

Tgt Ion:212	Resp:	32399
Ion Ratio	Lower	Upper
212	100	
106	1.6	1.3 1.9
104	1.0	0.7 1.1



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





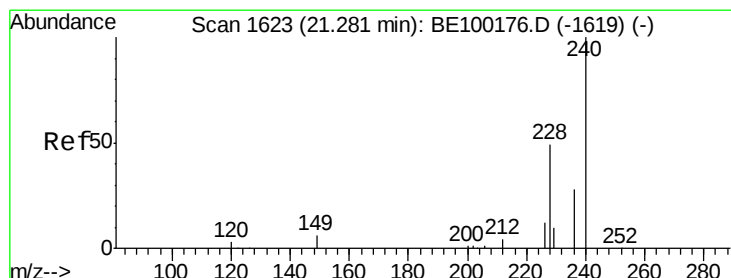
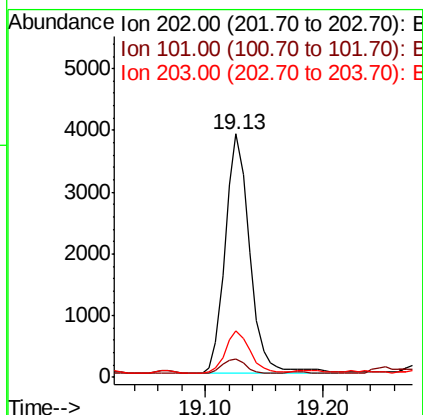
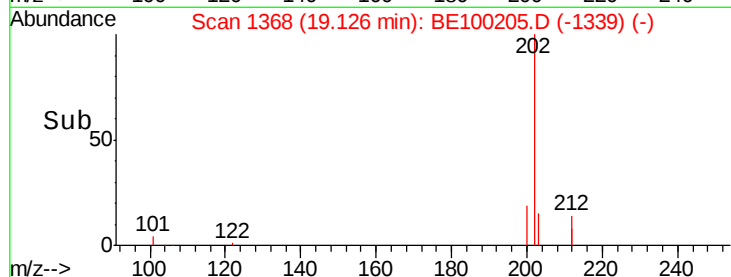
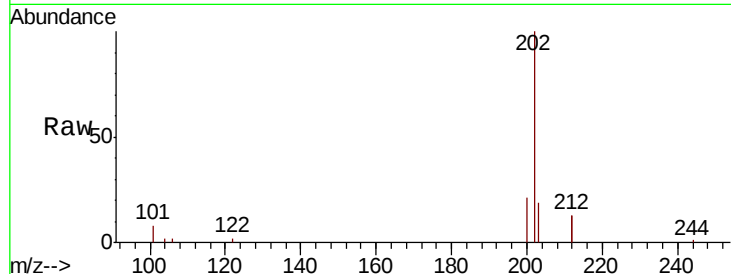
#26
Fluoranthene
Concen: 0.239 ng
RT: 19.13 min Scan# 1368
Delta R.T. -0.03 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

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

Tot Ion	Ratio	Lower	Upper
202	100		
101	6.1	4.5	6.7
203	17.2	13.7	20.5

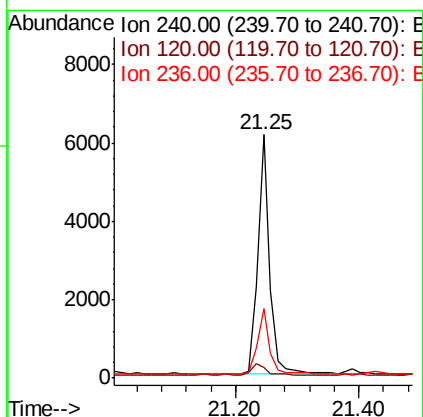
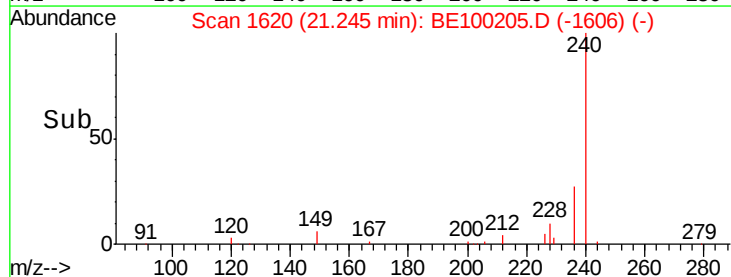
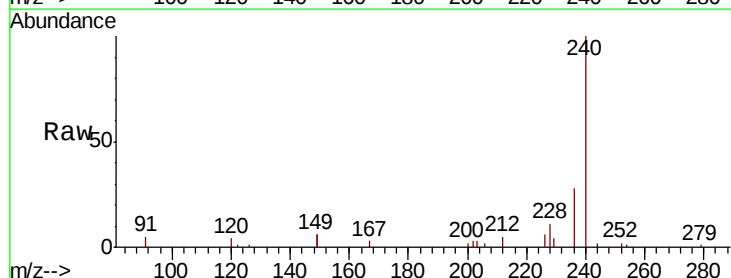
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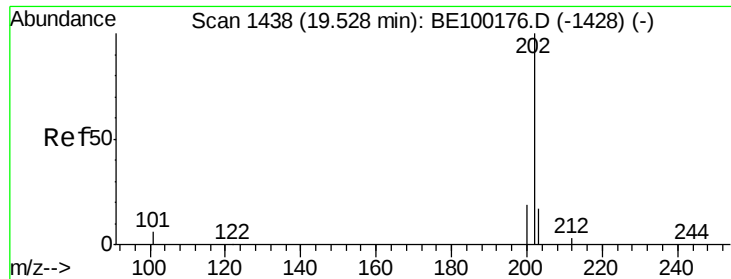
mohammad
7/1/2019 8:12:02 AM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. -0.04 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.3	4.1	6.1
236	28.4	23.0	34.6





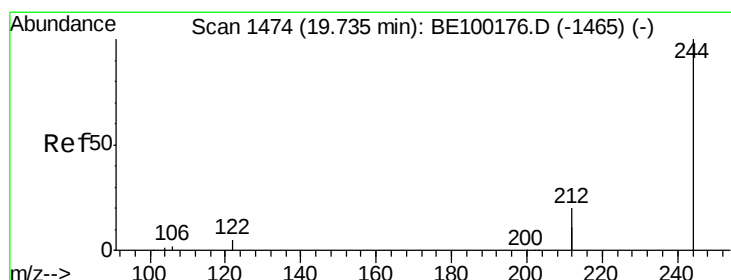
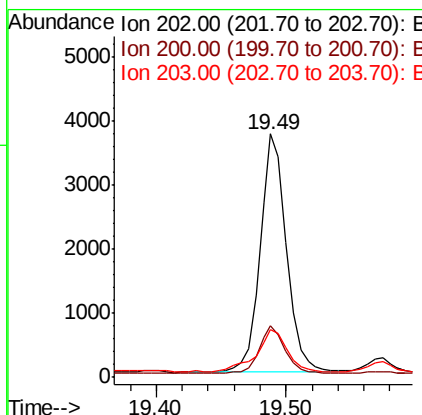
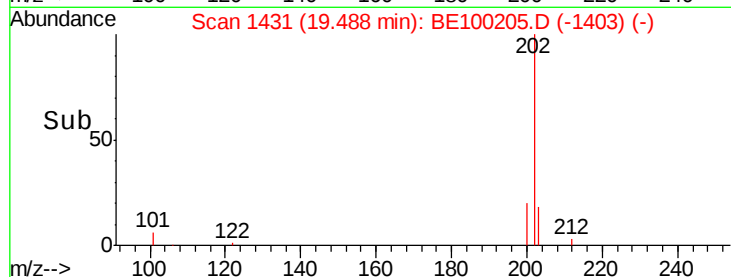
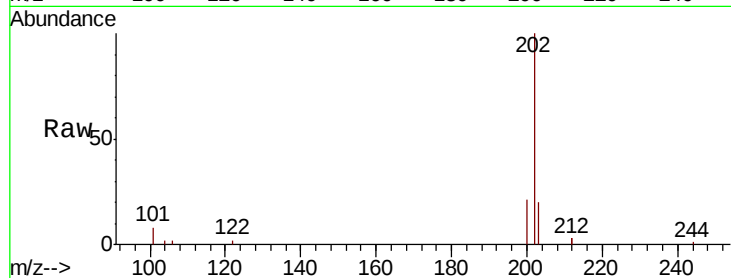
#28
Pvrene
Concen: 0.249 ng
RT: 19.49 min Scan# 1431
Delta R.T. -0.04 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.5	23.3
203	20.9	13.9	20.9

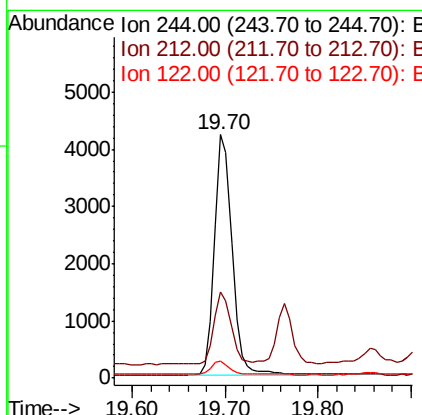
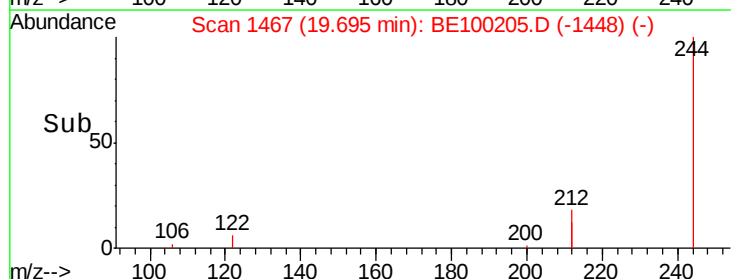
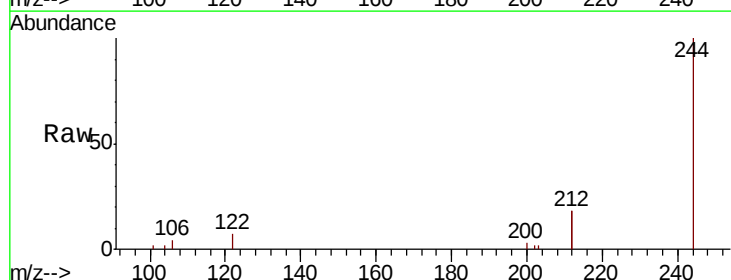
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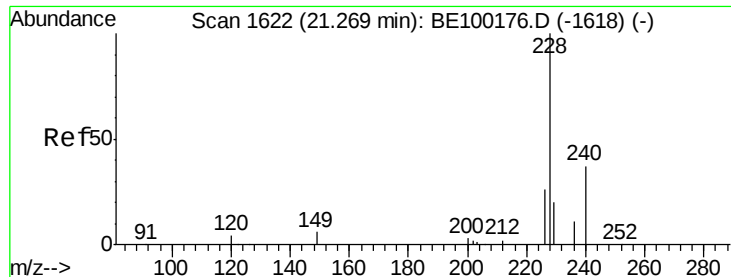
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#29
Terphenyl-d14
Concen: 0.346 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.04 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	35.1	30.7	46.1
122	7.2	5.8	8.6





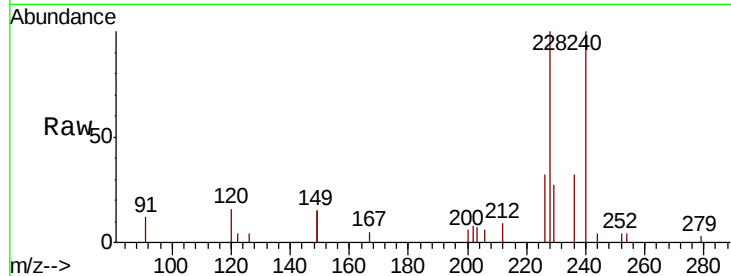
#30
Benzo(a)anthracene
Concen: 0.153 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.04 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	21.5	32.3
229	27.3	17.2	25.8

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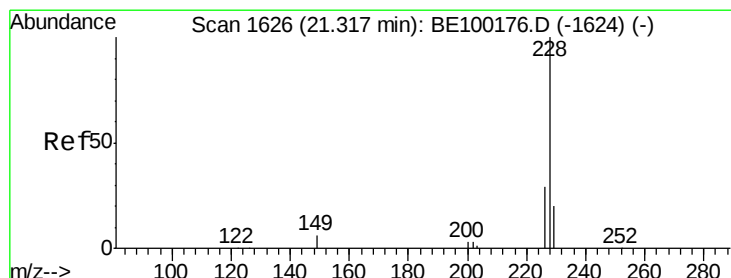
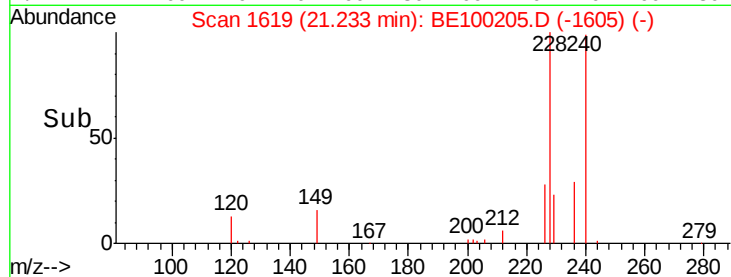
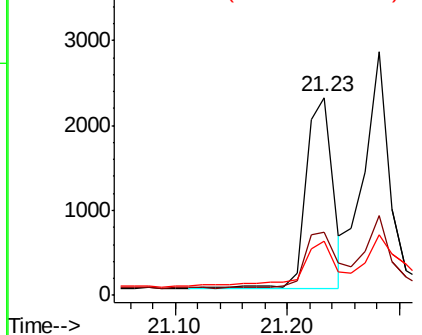


Abundance

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



#31
Chrysene
Concen: 0.148 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.04 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

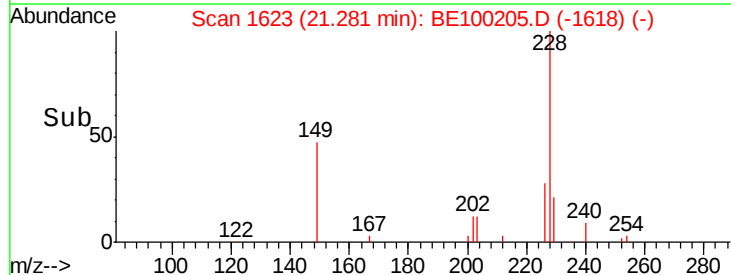
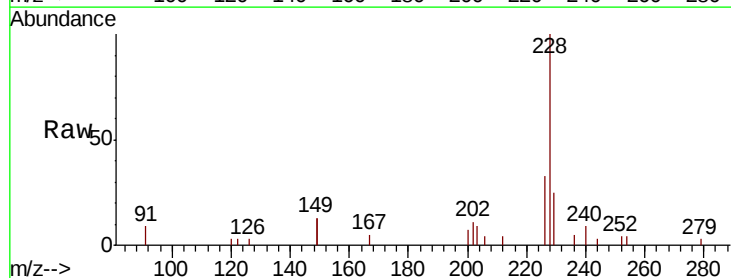
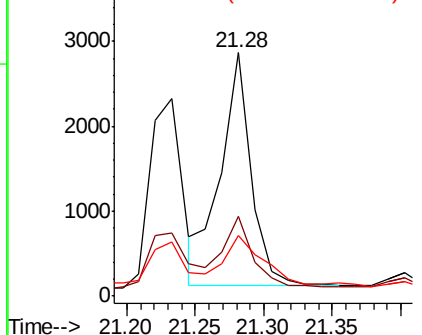
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	23.7	35.5
229	24.9	16.5	24.7

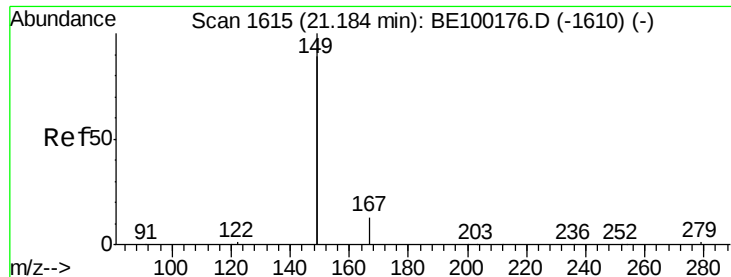
Abundance

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: 0.349 ng

RT: 21.15 min Scan# 1612

Delta R.T. -0.04 min

Lab File: BE100205.D

Acq: 27 Jun 2019 15:27

Instrument :

BNA_E

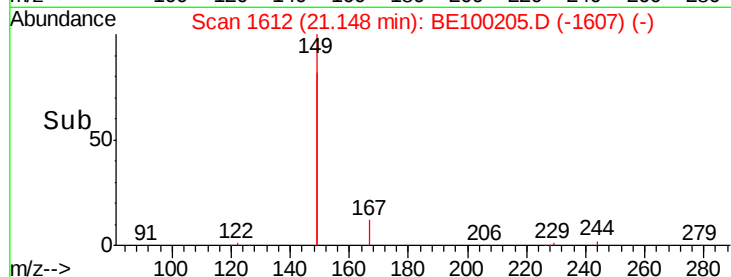
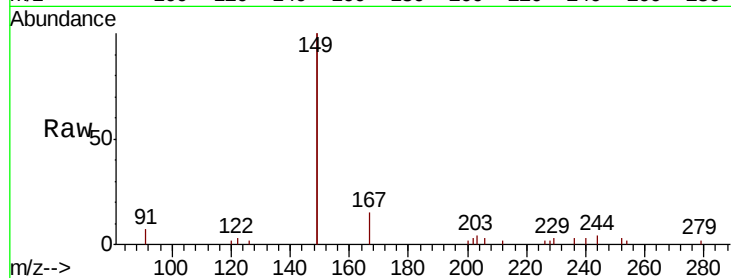
ClientSampleId :

PST-084-B046-061319

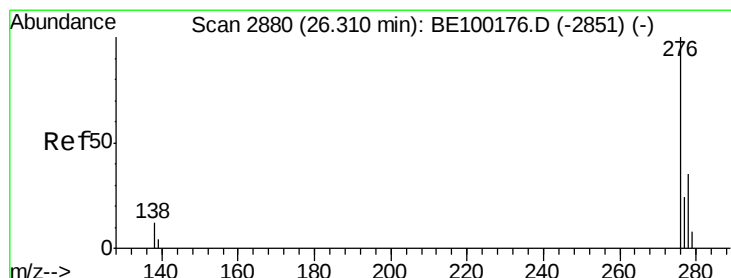
Tot Ion:	149	Resp:	9785
Ion Ratio	Lower	Upper	
149	100		
167	7.7	5.9	8.9
279	1.5	1.0	1.6

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Time-->



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.064 ng

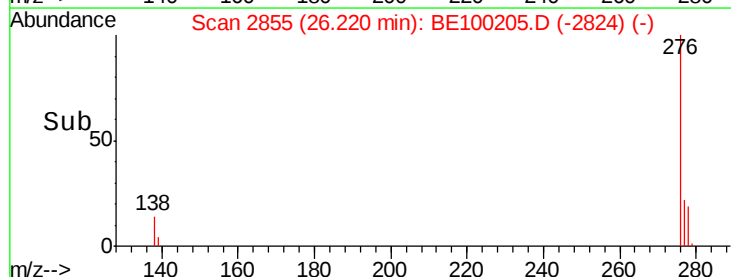
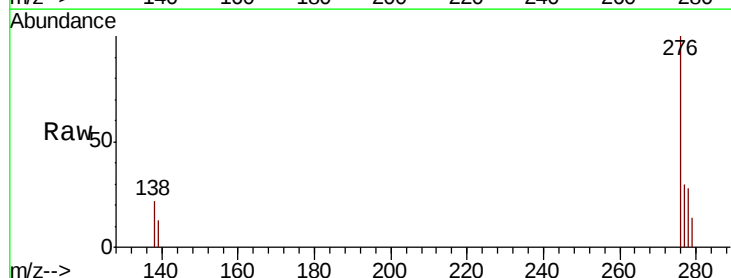
RT: 26.22 min Scan# 2855

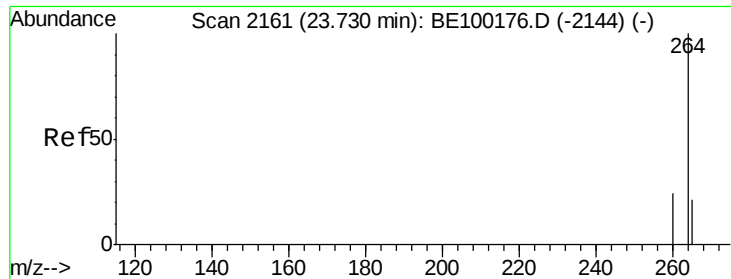
Delta R.T. -0.09 min

Lab File: BE100205.D

Acq: 27 Jun 2019 15:27

Tgt Ion:	276	Resp:	2606
Ion Ratio	Lower	Upper	
276	100		
138	7.1	3.7	5.5#
277	23.6	18.7	28.1





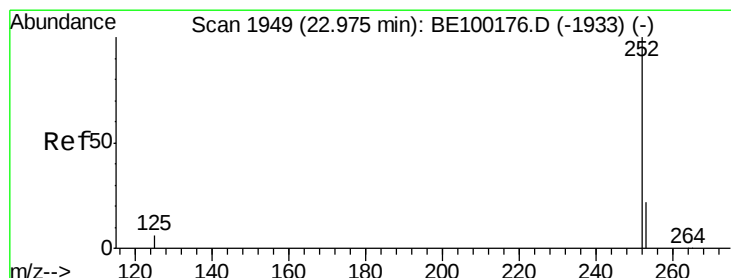
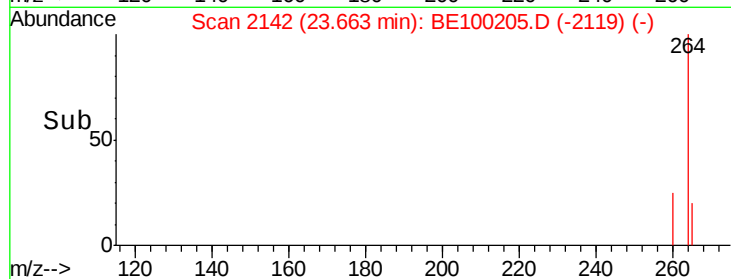
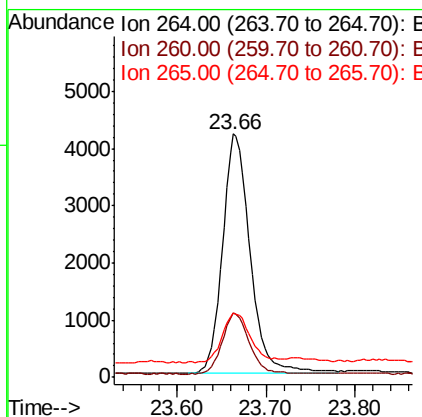
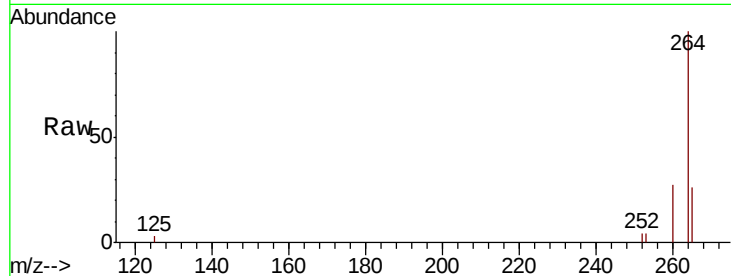
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.66 min Scan# 2142
 Delta R.T. -0.07 min
 Lab File: BE100205.D
 Acq: 27 Jun 2019 15:27

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.5	20.4	30.6
265	26.4	22.5	33.7

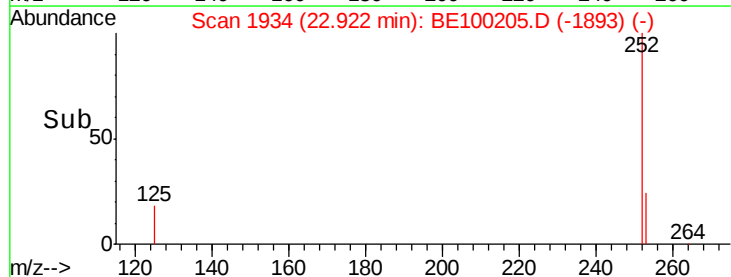
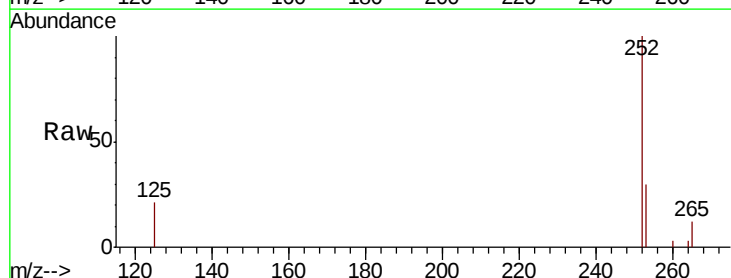
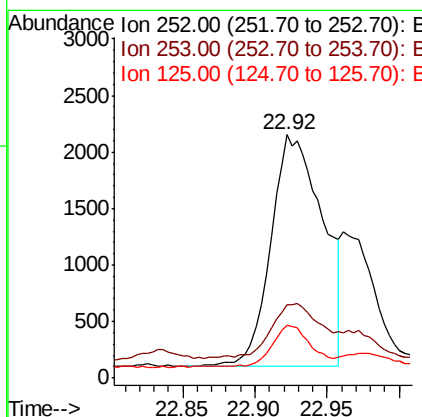
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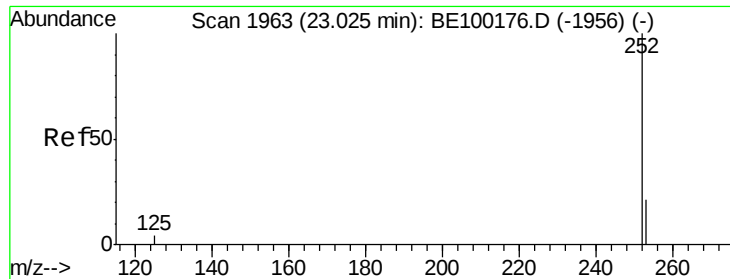
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#35
 Benzo(b)fluoranthene
 Concen: 0.210 ng
 RT: 22.92 min Scan# 1934
 Delta R.T. -0.05 min
 Lab File: BE100205.D
 Acq: 27 Jun 2019 15:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.9	19.0	28.4#
125	21.5	6.3	9.5#





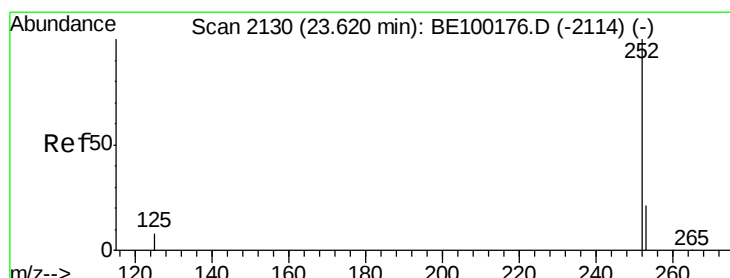
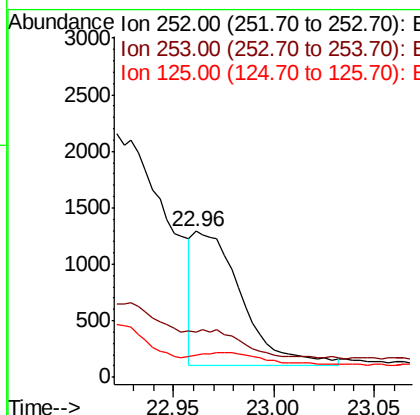
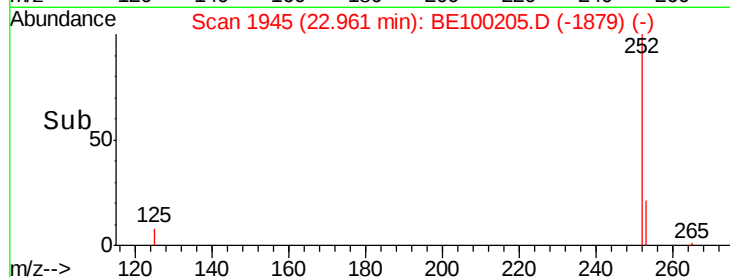
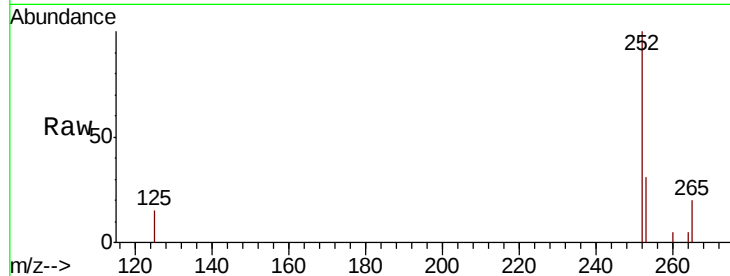
#36
Benzo(k)fluoranthene
Concen: 0.068 ng m
RT: 22.96 min Scan# 1945
Delta R.T. -0.06 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.3	18.4	27.6#
125	15.1	5.0	7.4#

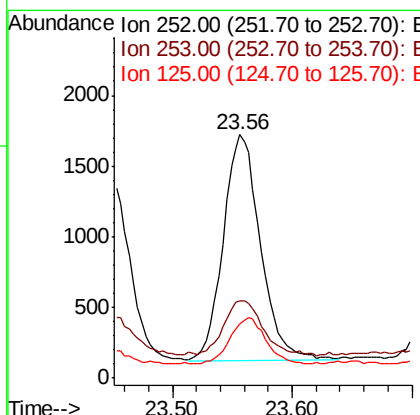
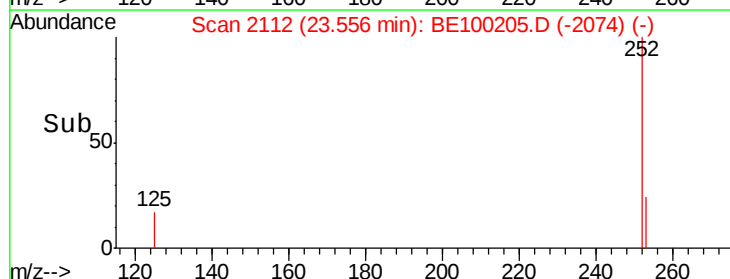
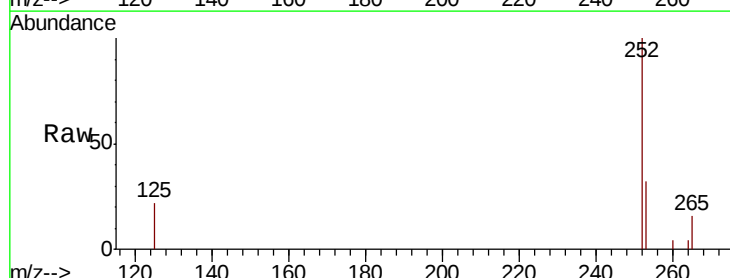
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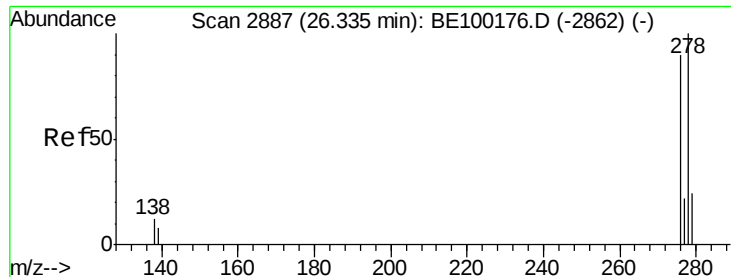
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#37
Benzo(a)pyrene
Concen: 0.135 ng
RT: 23.56 min Scan# 2112
Delta R.T. -0.06 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.7	19.2	28.8#
125	22.0	8.2	12.2#





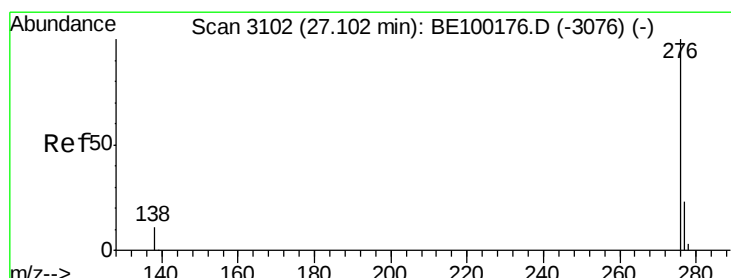
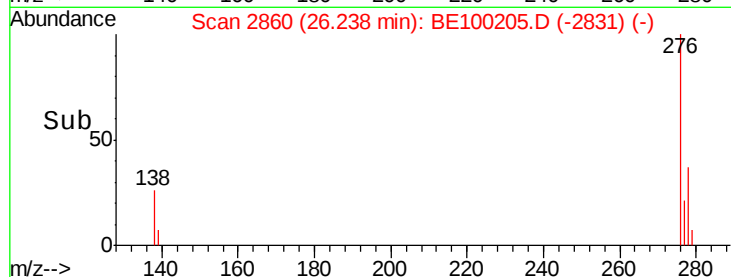
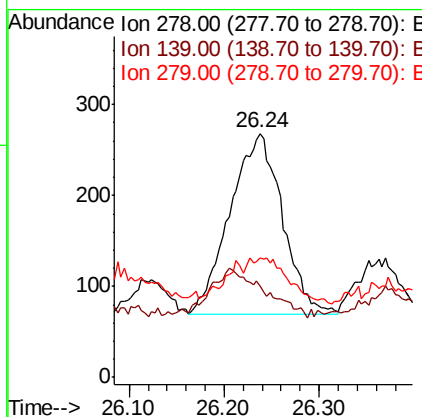
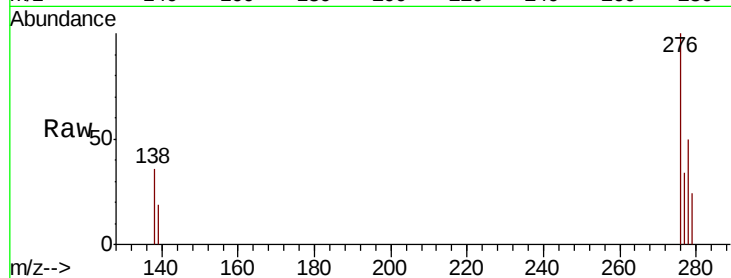
#38
Dibenzo(a,h)anthracene
Concen: 0.028 ng
RT: 26.24 min Scan# 2860
Delta R.T. -0.10 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

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

Tot Ion	Ratio	Lower	Upper
278	100		
139	37.7	9.0	13.4#
279	48.9	21.1	31.7#

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#39
Benzo(g,h,i)perylene
Concen: 0.092 ng
RT: 27.01 min Scan# 3076
Delta R.T. -0.09 min
Lab File: BE100205.D
Acq: 27 Jun 2019 15:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.8	19.8	29.6#
138	18.1	10.2	15.4#

