

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
 Data File : BE100204.D
 Acq On : 27 Jun 2019 14:52
 Operator : JU/SJ
 Sample : K3428-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B044-061319

Manual Integrations
 APPROVED

mohammad
 7/1/2019 8:11:59 AM

Quant Time: Jun 27 19:14:45 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	661	0.40	ng	-0.01
7) Naphthalene-d8	10.45	136	2214	0.40	ng	-0.03
13) Acenaphthene-d10	14.33	164	1737	0.40	ng	-0.02
19) Phenanthrene-d10	17.07	188	5589	0.40	ng	-0.03
27) Chrysene-d12	21.24	240	7913	0.40	ng	-0.04
34) Perylene-d12	23.67	264	9069	0.40	ng	-0.06
System Monitoring Compounds						
4) 2-Fluorophenol	5.22	112	433	0.29	ng	-0.01
5) Phenol-d6	6.84	99	585	0.29	ng	-0.03
8) Nitrobenzene-d5	8.85	82	545	0.25	ng	0.00
11) 2-Methylnaphthalene-d10	12.06	152	1562	0.38	ng	-0.02
14) 2,4,6-Tribromophenol	15.82	330	272	0.27	ng	-0.03
15) 2-Fluorobiphenyl	12.96	172	1856	0.27	ng	-0.02
25) Fluoranthene-d10	19.10	212	30956	0.38	ng	-0.03
29) Terphenyl-d14	19.70	244	5506	0.35	ng	-0.04
Target Compounds						
9) Naphthalene	10.50	128	592	0.025	ng	# 74
12) 2-Methylnaphthalene	12.14	142	89	0.023	ng	# 81
23) Phenanthrene	17.11	178	1922	0.145	ng	# 98
24) Anthracene	17.20	178	256	0.023	ng	# 92
26) Fluoranthene	19.13	202	4499	0.209	ng	# 97
28) Pyrene	19.49	202	4228	0.209	ng	# 95
30) Benzo(a)anthracene	21.23	228	3366m	0.144	ng	# 93
31) Chrysene	21.28	228	3014	0.110	ng	# 99
32) Bis(2-ethylhexyl)phthalate	21.15	149	2359	0.088	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.22	276	1575	0.040	ng	# 97
35) Benzo(b)fluoranthene	22.92	252	3644	0.149	ng	# 32
36) Benzo(k)fluoranthene	22.97	252	1483m	0.051	ng	# 27
37) Benzo(a)pyrene	23.56	252	2523	0.100	ng	# 82
39) Benzo(g,h,i)perylene	27.00	276	1584	0.056	ng	# 82

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

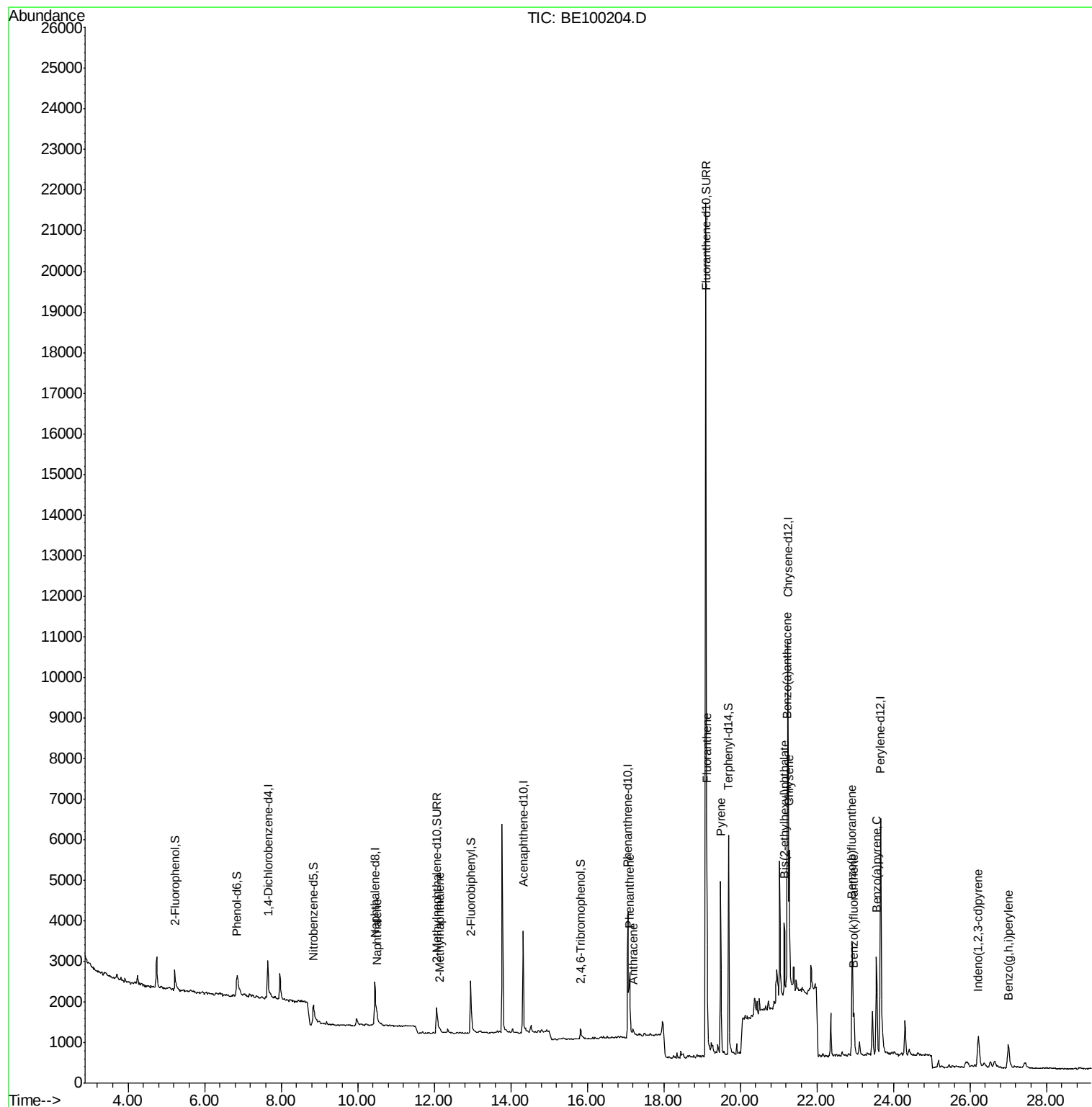
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062719\
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#1

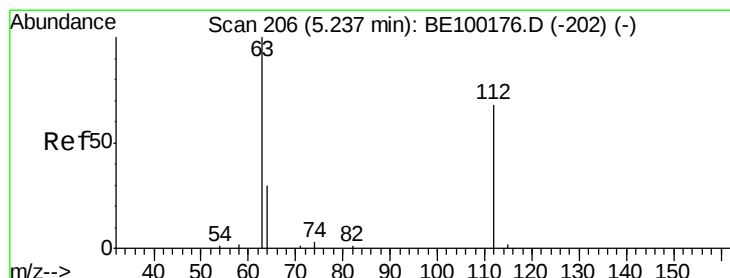
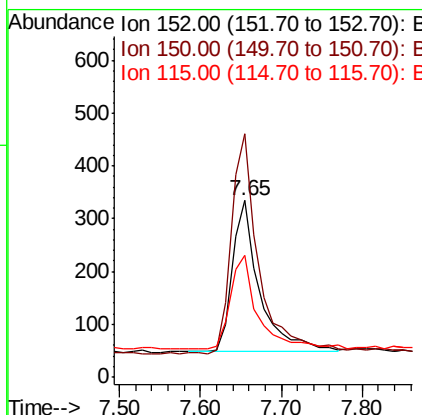
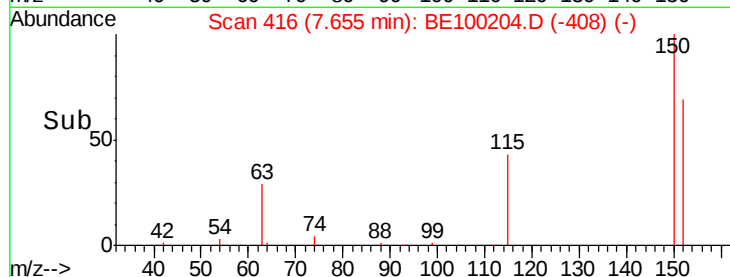
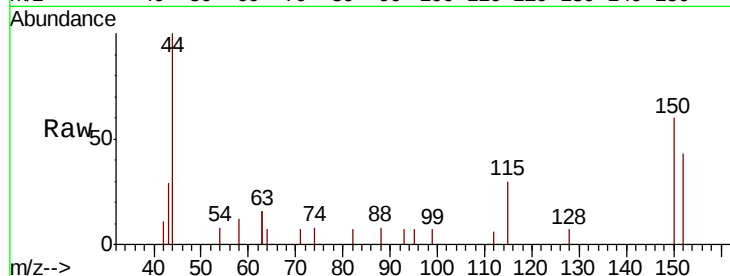
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 416
Delta R.T. -0.01 min
Lab File: BE100204.D
Acq: 27 Jun 2019 14:52

Instrument :
BNA_E
ClientSampleId :
PST-084-B044-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.0	113.4	170.2
115	69.2	55.8	83.6

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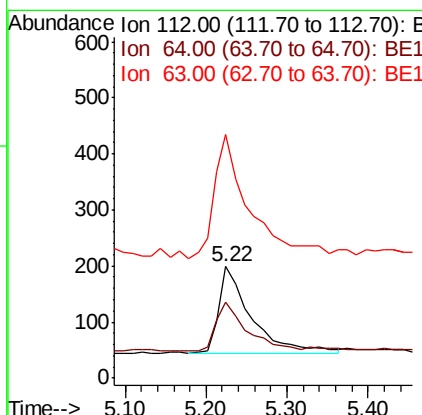
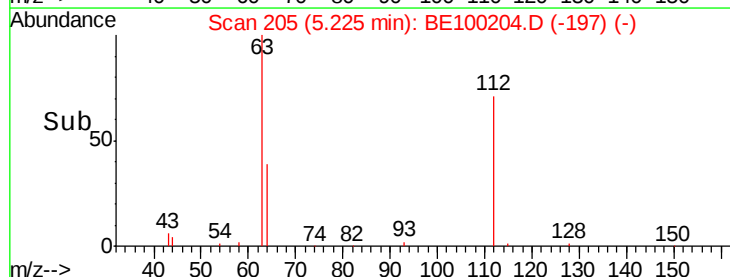
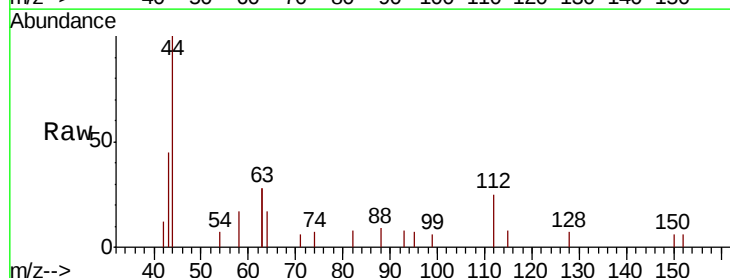
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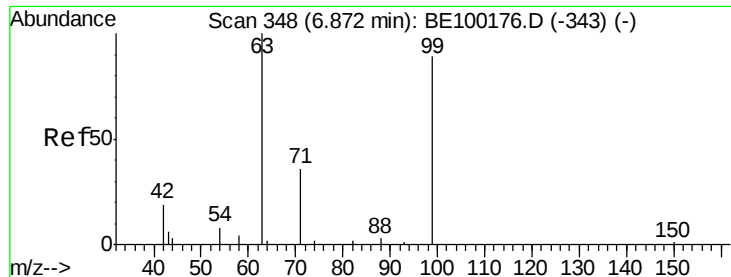


#4

2-Fluorophenol
Concen: 0.295 ng
RT: 5.22 min Scan# 205
Delta R.T. -0.01 min
Lab File: BE100204.D
Acq: 27 Jun 2019 14:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.5	40.7	61.1
63	158.9	93.2	139.8





#5

Phenol-d6

Concen: 0.289 ng

RT: 6.84 min Scan# 345

Delta R.T. -0.03 min

Lab File: BE100204.D

Acq: 27 Jun 2019 14:52

Instrument :

BNA_E

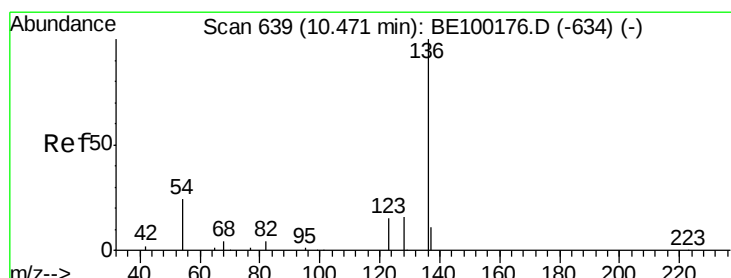
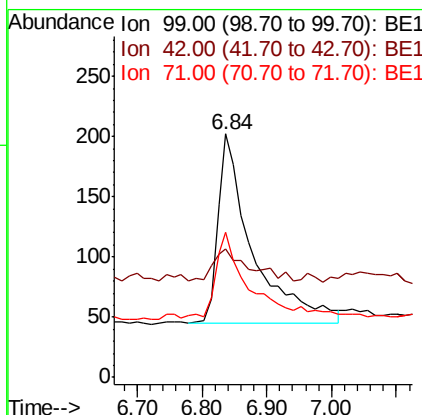
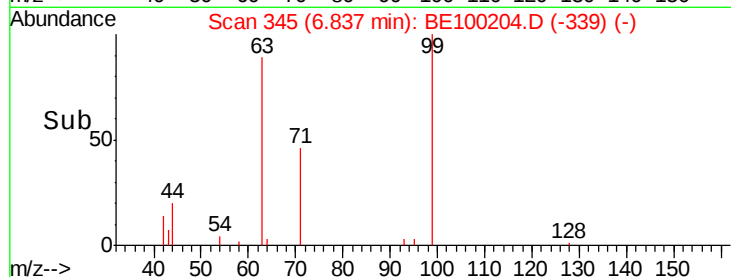
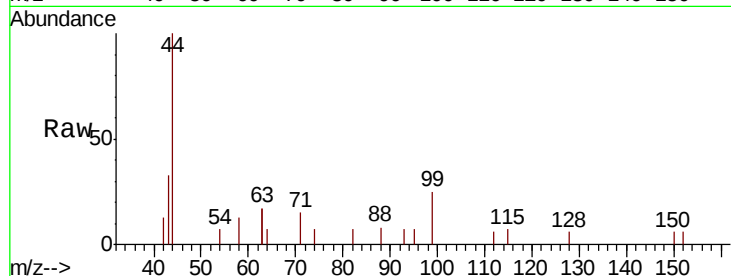
ClientSampleId :

PST-084-B044-061319

Tot Ion:	99	Resp:	585
Ion	Ratio	Lower	Upper
99	100		
42	17.8	10.4	15.6#
71	43.2	32.4	48.6

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#7

Naphthalene-d8

Concen: 0.400 ng

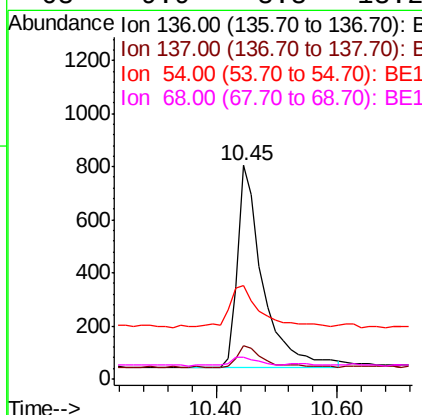
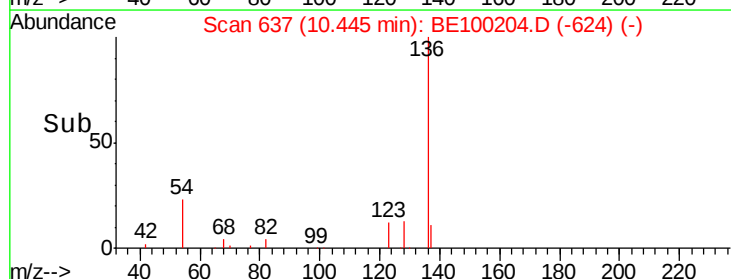
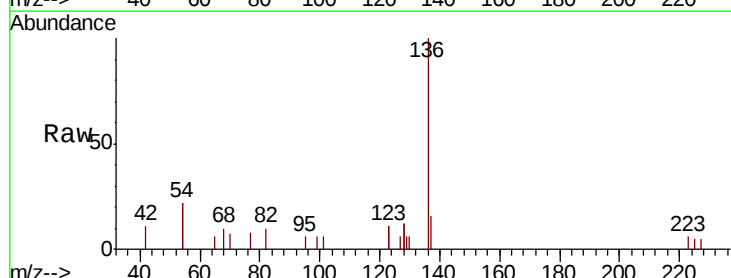
RT: 10.45 min Scan# 637

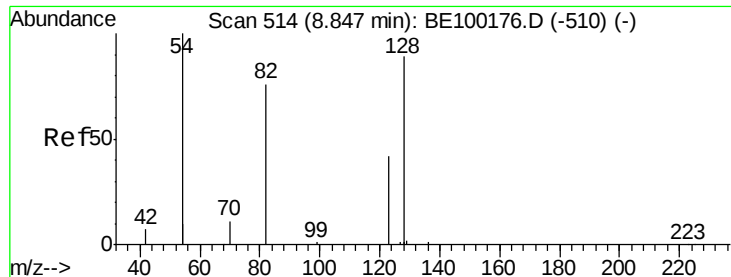
Delta R.T. -0.03 min

Lab File: BE100204.D

Acq: 27 Jun 2019 14:52

Tgt Ion:	136	Resp:	2214
Ion	Ratio	Lower	Upper
136	100		
137	15.7	13.8	20.8
54	43.5	35.4	53.2
68	9.9	8.8	13.2





#8

Nitrobenzene-d5

Concen: 0.247 ng

RT: 8.85 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE100204.D

Acq: 27 Jun 2019 14:52

Instrument :

BNA_E

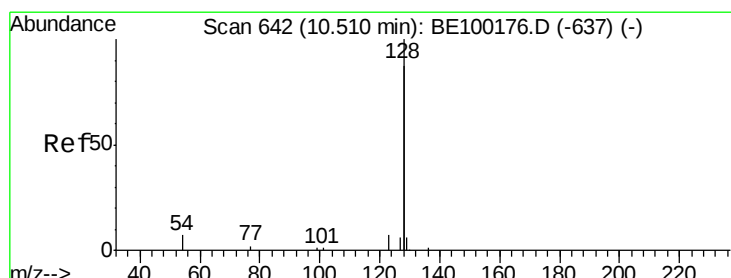
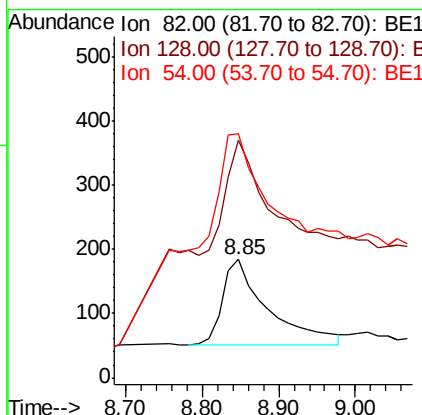
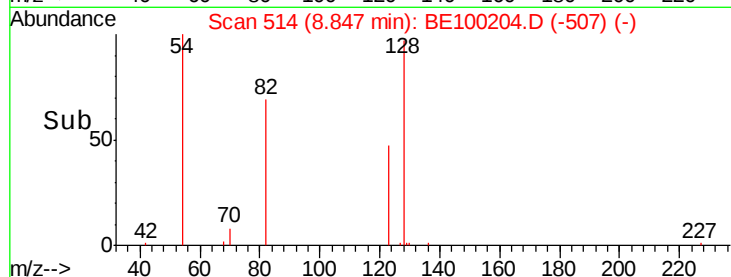
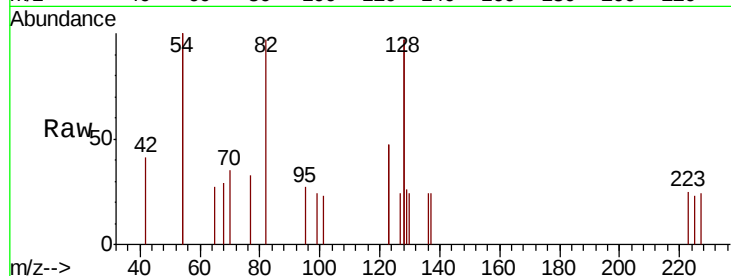
ClientSampleId :

PST-084-B044-061319

Tot Ion:	82	Resp:	545
Ion	Ratio	Lower	Upper
82	100		
128	201.1	144.6	217.0
54	206.5	163.0	244.6

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#9

Naphthalene

Concen: 0.025 ng

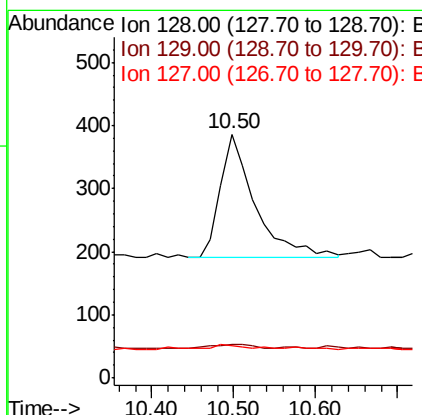
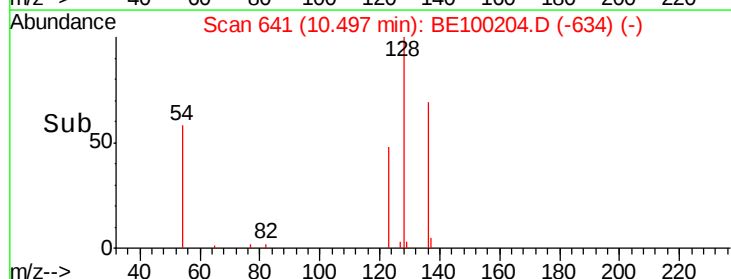
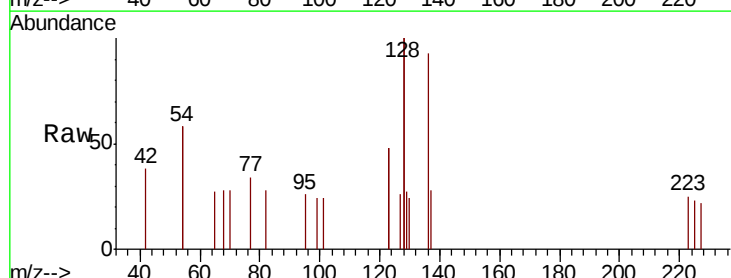
RT: 10.50 min Scan# 641

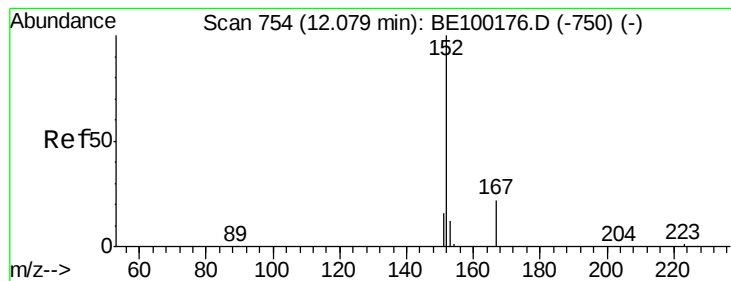
Delta R.T. -0.01 min

Lab File: BE100204.D

Acq: 27 Jun 2019 14:52

Tgt Ion:	128	Resp:	592
Ion	Ratio	Lower	Upper
128	100		
129	13.5	3.6	5.4#
127	13.2	3.8	5.8#





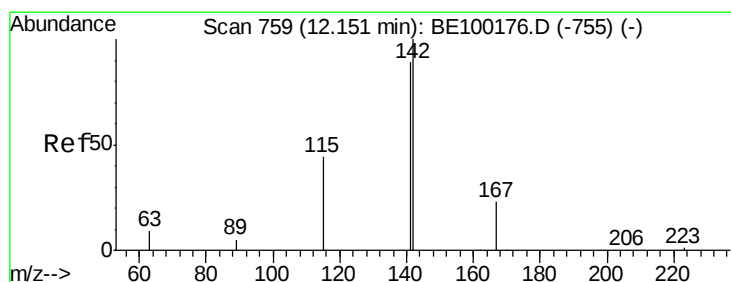
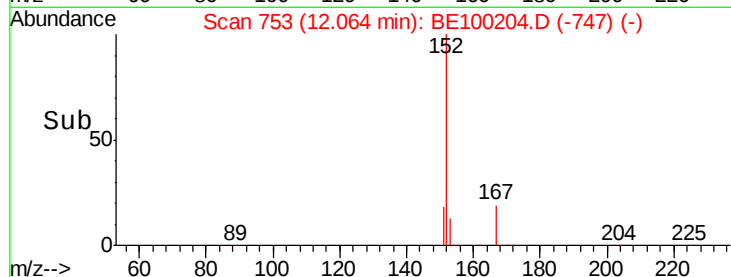
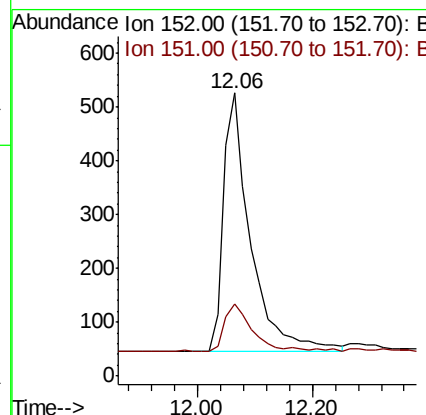
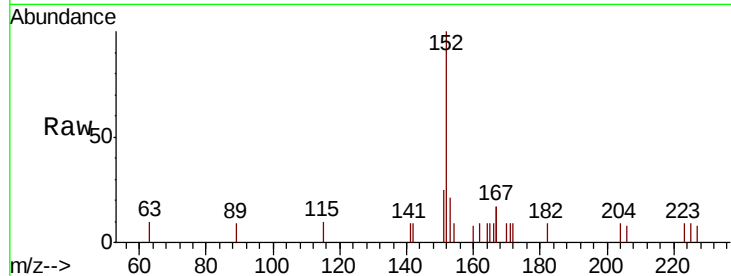
#11
2-Methylnaphthalene-d10
Concen: 0.376 ng
RT: 12.06 min Scan# 753
Delta R.T. -0.02 min
Lab File: BE100204.D
Acq: 27 Jun 2019 14:52

Instrument :
BNA_E
ClientSampleId :
PST-084-B044-061319

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.3	24.5

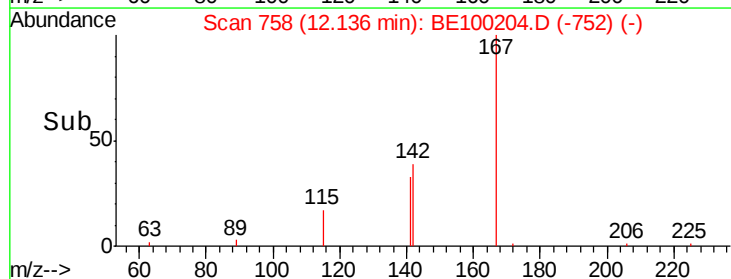
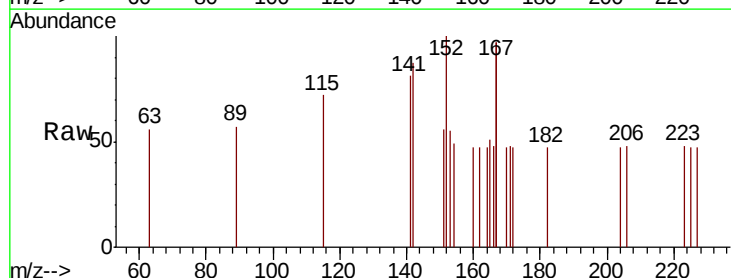
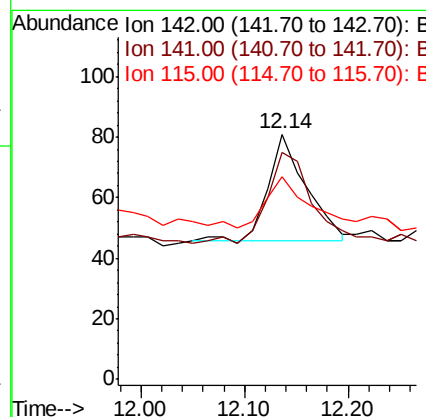
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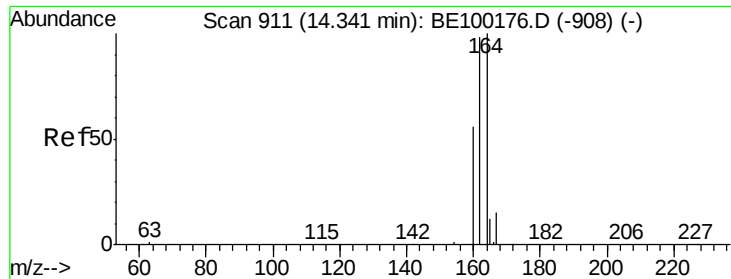
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#12
2-Methylnaphthalene
Concen: 0.023 ng
RT: 12.14 min Scan# 758
Delta R.T. -0.02 min
Lab File: BE100204.D
Acq: 27 Jun 2019 14:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	71.8	107.8
115	82.7	40.4	60.6#





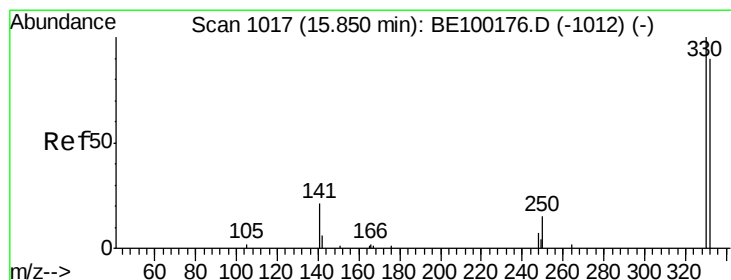
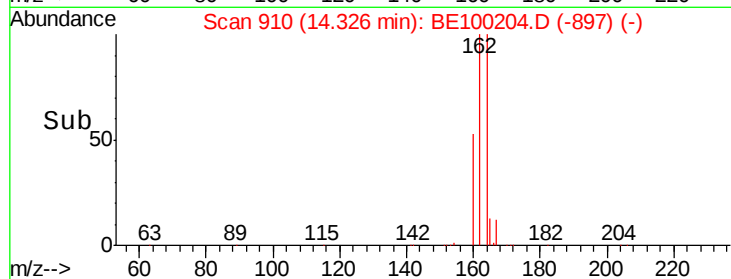
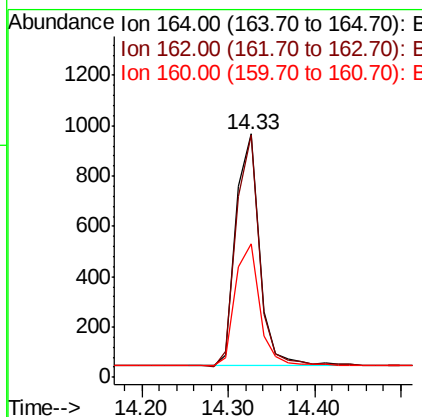
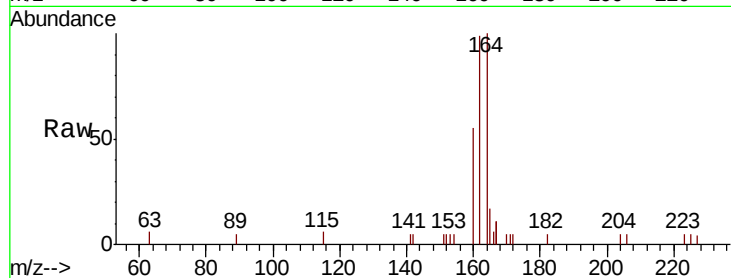
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.33 min Scan# 910
 Delta R.T. -0.02 min
 Lab File: BE100204.D
 Acq: 27 Jun 2019 14:52

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B044-061319

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.3	78.6	118.0
160	55.0	46.9	70.3

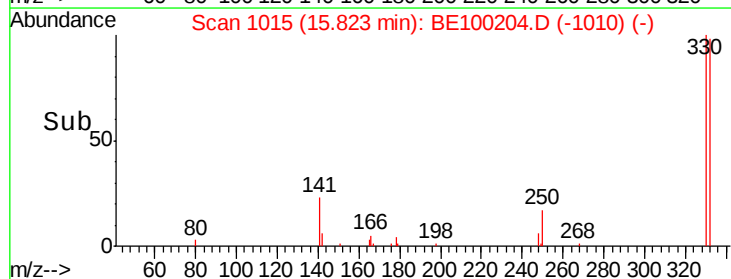
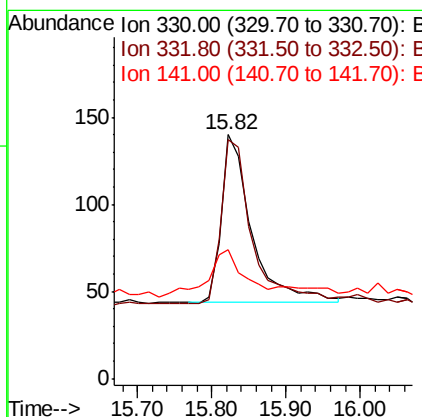
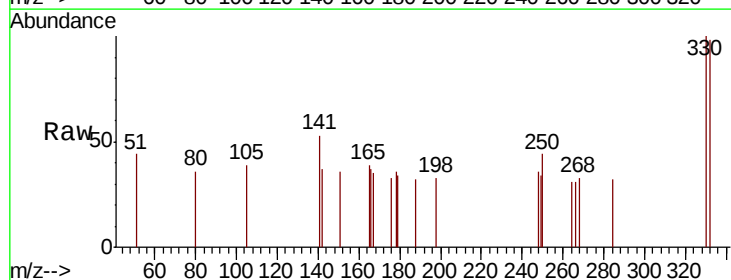
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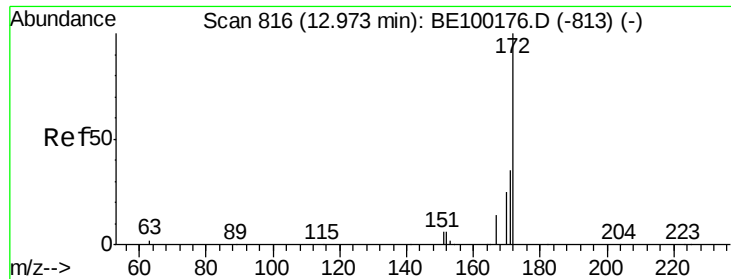
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#14
 2,4,6-Tribromophenol
 Concen: 0.270 ng
 RT: 15.82 min Scan# 1015
 Delta R.T. -0.03 min
 Lab File: BE100204.D
 Acq: 27 Jun 2019 14:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	102.9	77.7	116.5
141	20.2	18.9	28.3





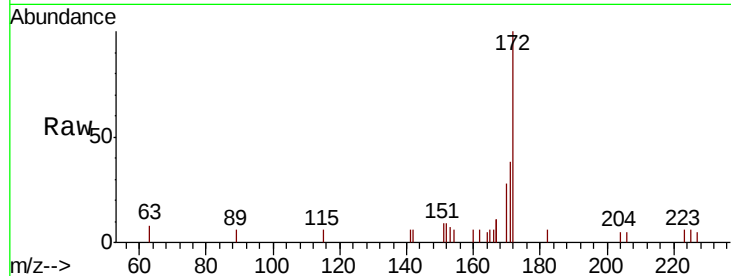
#15
2-Fluorobiphenyl
Concen: 0.266 ng
RT: 12.96 min Scan# 815
Delta R.T. -0.02 min
Lab File: BE100204.D
Acq: 27 Jun 2019 14:52

Instrument :
BNA_E
ClientSampleId :
PST-084-B044-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	31.0	46.4
170	27.7	23.9	35.9

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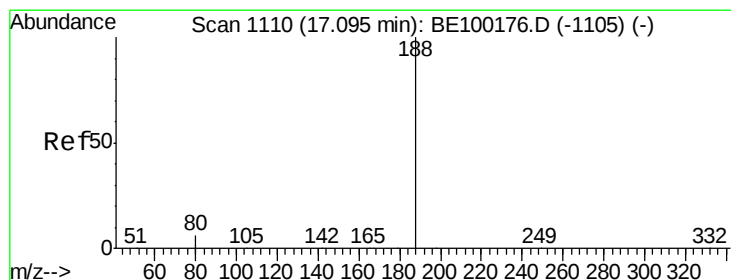
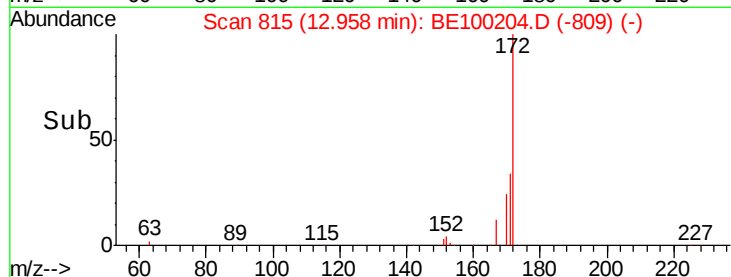
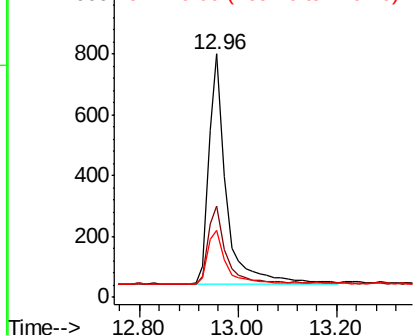


Abundance

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: BE100204.D
Acq: 27 Jun 2019 14:52

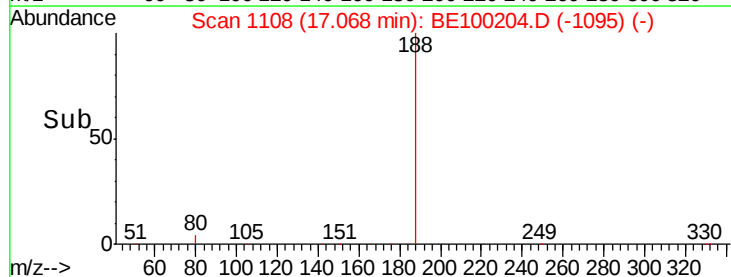
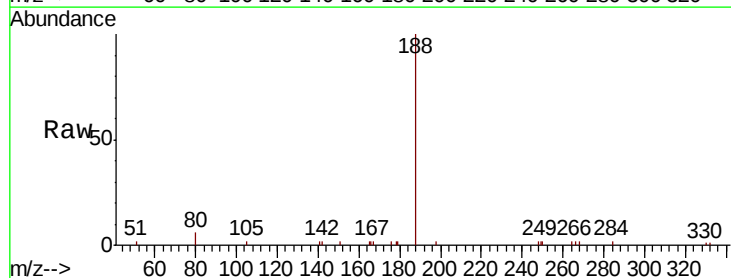
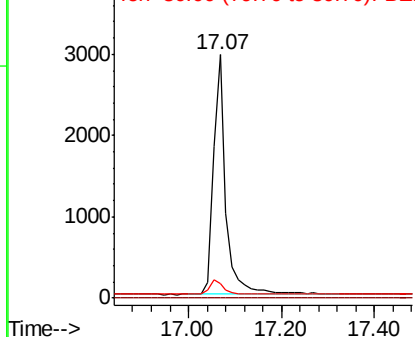
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.8	6.4	9.6#

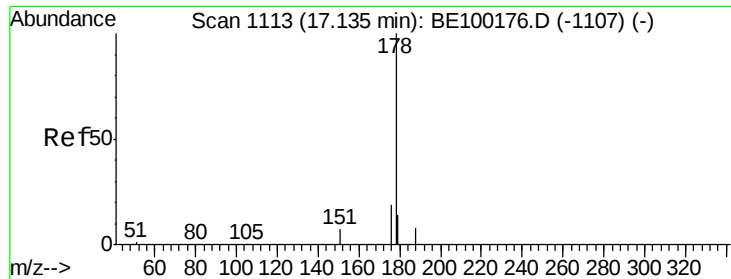
Abundance

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: 0.145 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.03 min

Lab File: BE100204.D

Acq: 27 Jun 2019 14:52

Instrument :

BNA_E

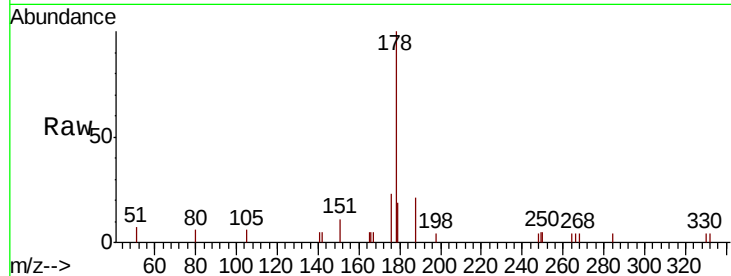
ClientSampleId :

PST-084-B044-061319

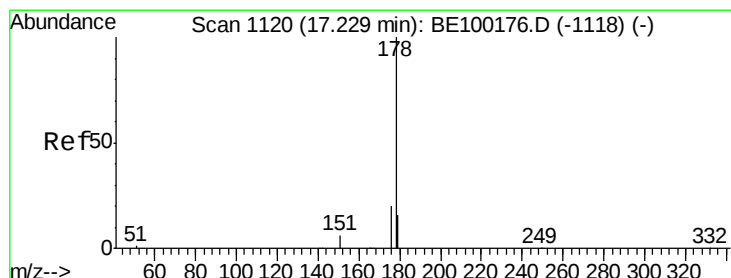
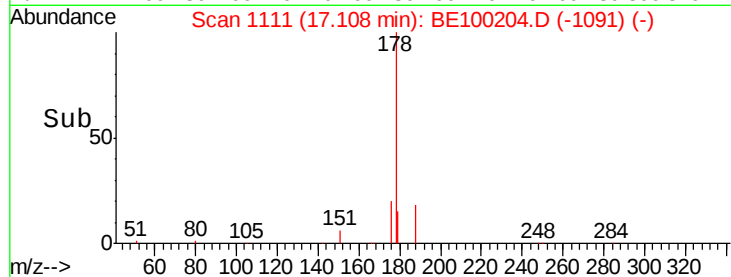
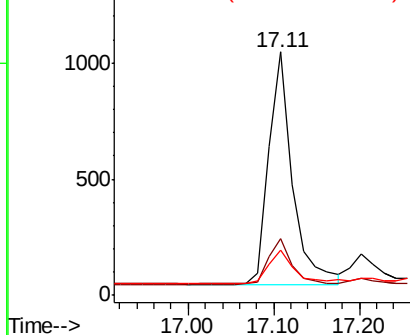
Tot Ion:178	Resp:	1922
Ion Ratio	Lower	Upper
178	100	
176	20.6	15.5 23.3
179	15.8	12.2 18.2

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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



#24

Anthracene

Concen: 0.023 ng

RT: 17.20 min Scan# 1118

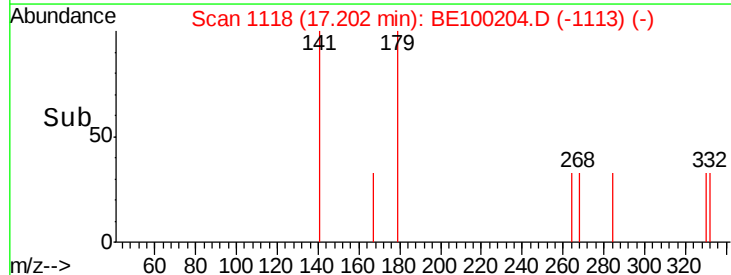
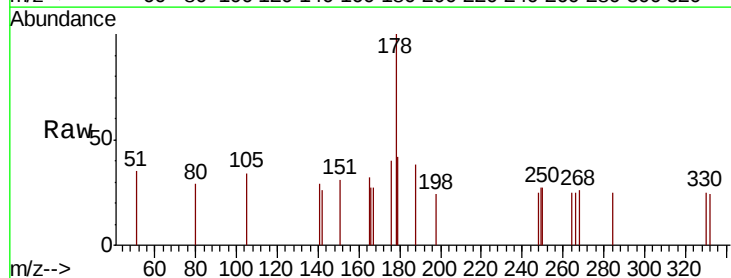
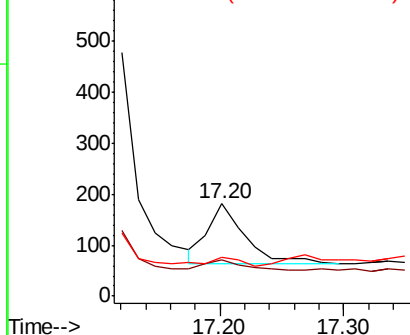
Delta R.T. -0.03 min

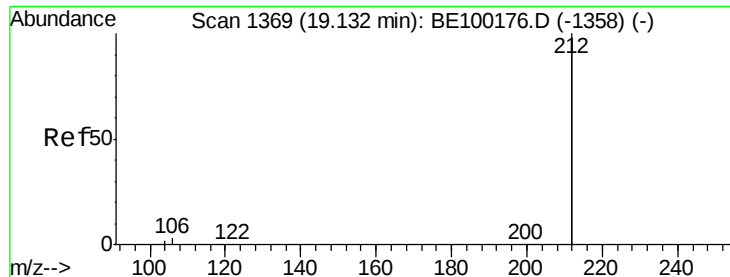
Lab File: BE100204.D

Acq: 27 Jun 2019 14:52

Tgt Ion:178	Resp:	256
Ion Ratio	Lower	Upper
178	100	
176	16.4	15.7 23.5
179	12.1	12.9 19.3#

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: 0.384 ng

RT: 19.10 min Scan# 1363

Delta R.T. -0.03 min

Lab File: BE100204.D

Acq: 27 Jun 2019 14:52

Instrument :

BNA_E

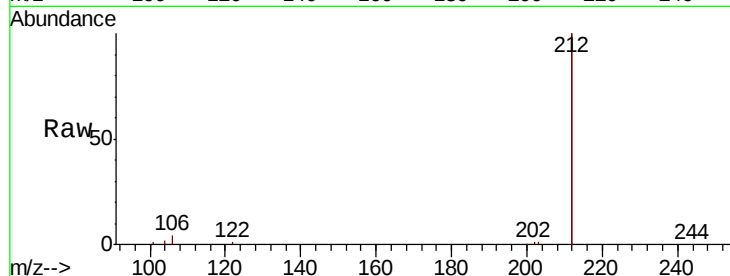
ClientSampleId :

PST-084-B044-061319

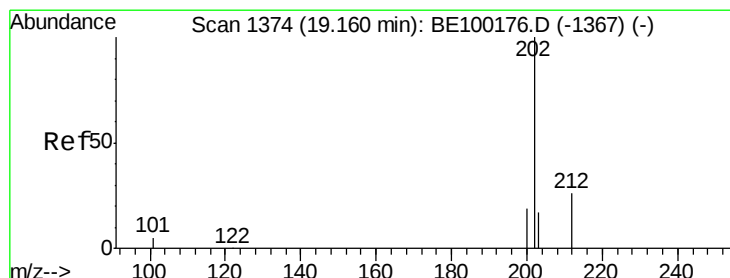
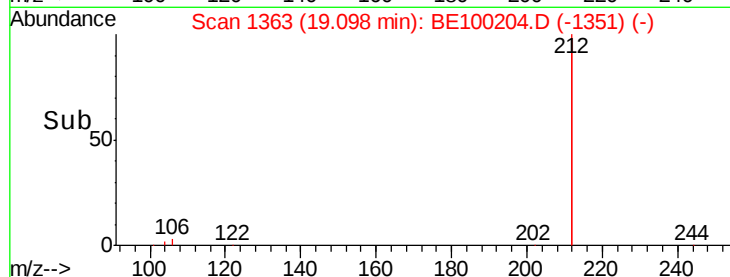
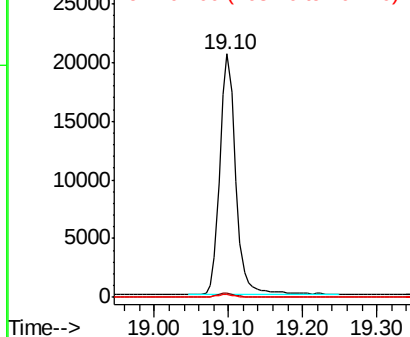
Tot Ion:	212	Resp:	30956
Ion Ratio	Lower	Upper	
212	100		
106	1.7	1.3	1.9
104	1.0	0.7	1.1

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.209 ng

RT: 19.13 min Scan# 1368

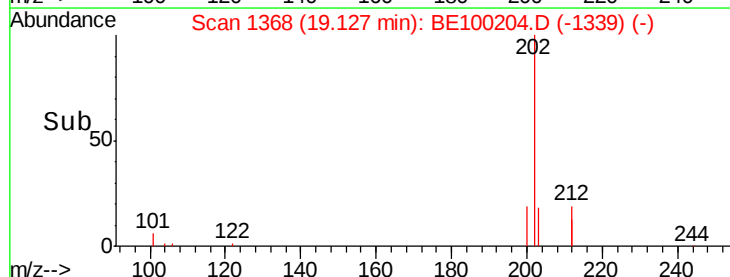
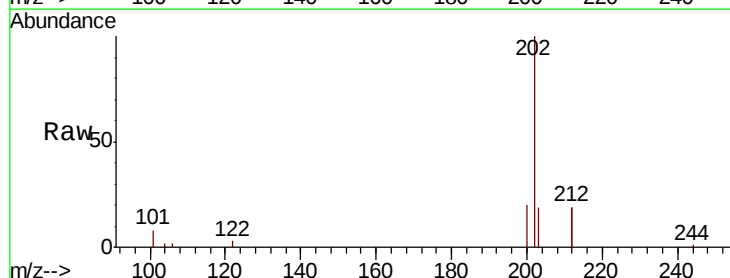
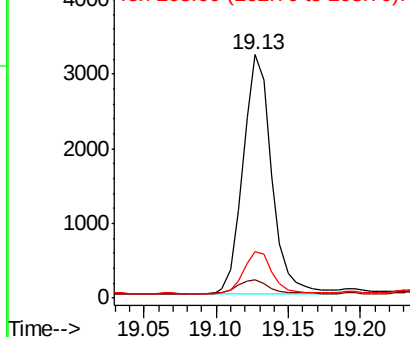
Delta R.T. -0.03 min

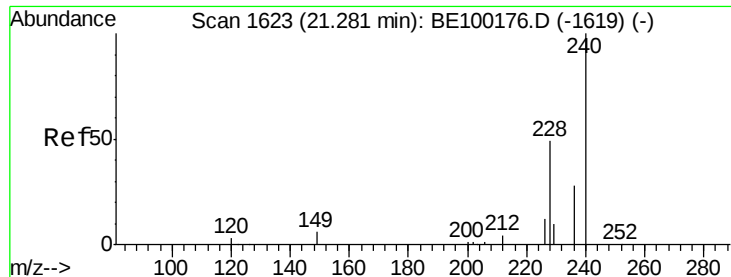
Lab File: BE100204.D

Acq: 27 Jun 2019 14:52

Tgt Ion:	202	Resp:	4499
Ion Ratio	Lower	Upper	
202	100		
101	7.4	4.5	6.7#
203	17.9	13.7	20.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





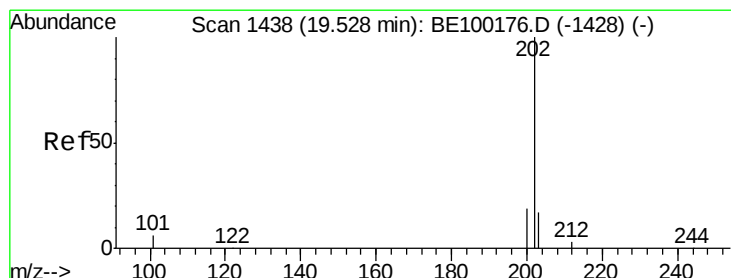
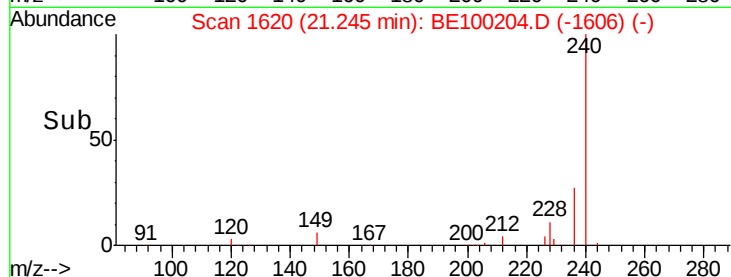
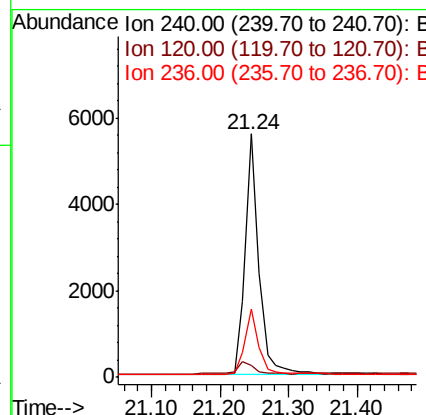
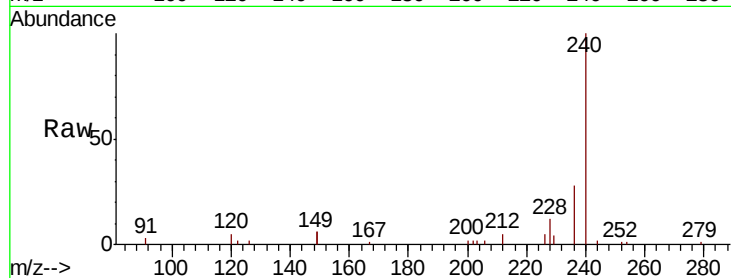
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.24 min Scan# 1620
 Delta R.T. -0.04 min
 Lab File: BE100204.D
 Acq: 27 Jun 2019 14:52

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B044-061319

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.1	6.1
236	27.9	23.0	34.6

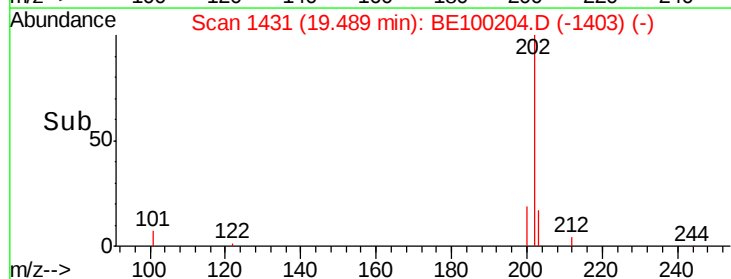
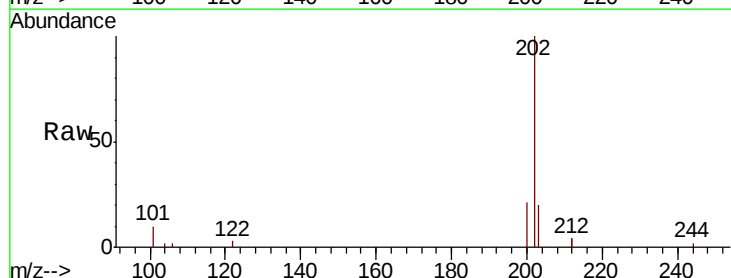
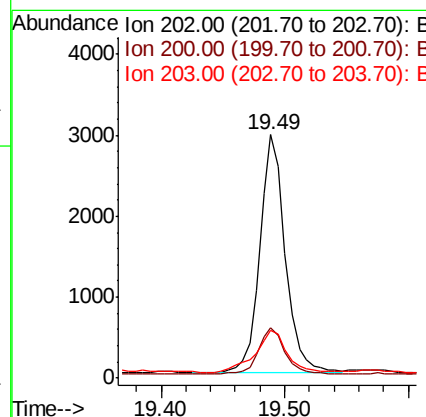
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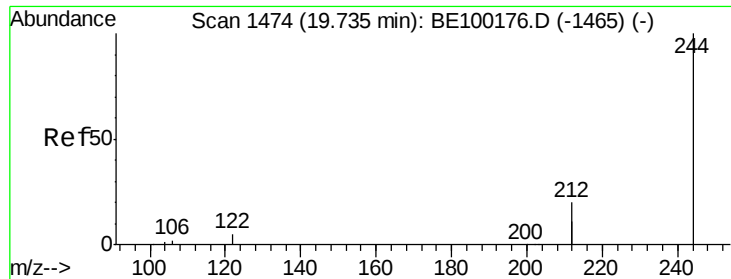
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#28
 Pyrene
 Concen: 0.209 ng
 RT: 19.49 min Scan# 1431
 Delta R.T. -0.04 min
 Lab File: BE100204.D
 Acq: 27 Jun 2019 14:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.5	23.3
203	21.9	13.9	20.9





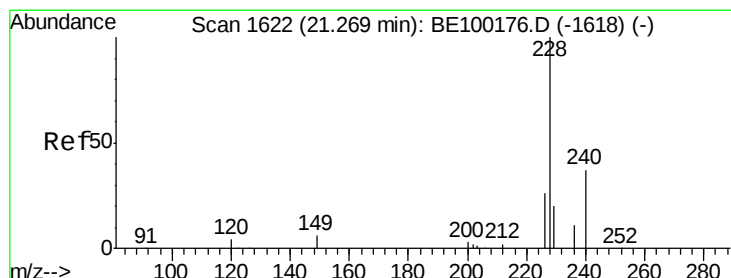
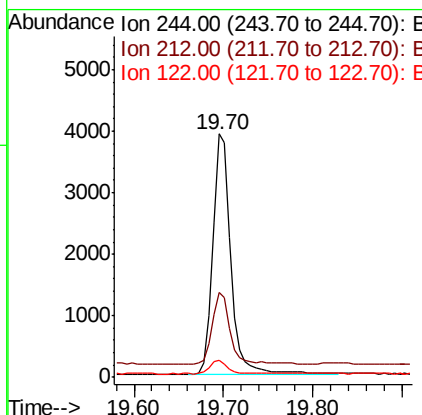
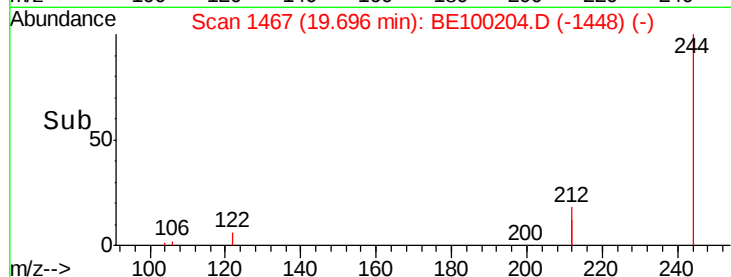
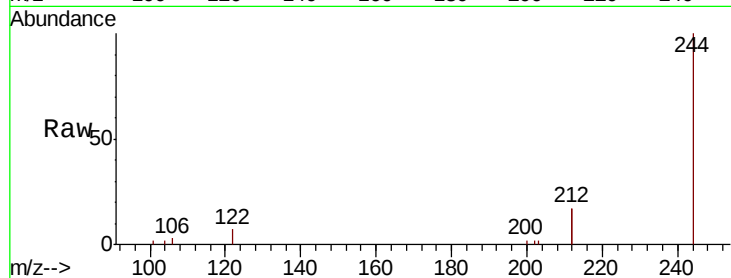
#29
 Terphenyl-d14
 Concen: 0.354 ng
 RT: 19.70 min Scan# 1467
 Delta R.T. -0.04 min
 Lab File: BE100204.D
 Acq: 27 Jun 2019 14:52

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B044-061319

Tot Ion	Ratio	Lower	Upper
244	100		
212	35.0	30.7	46.1
122	6.9	5.8	8.6

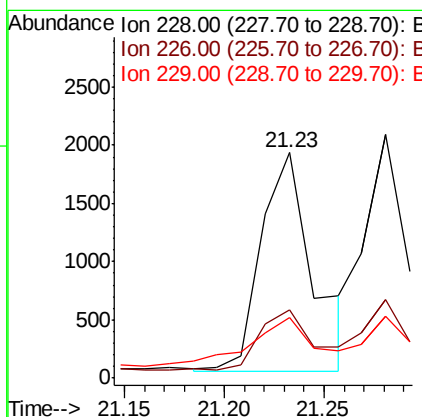
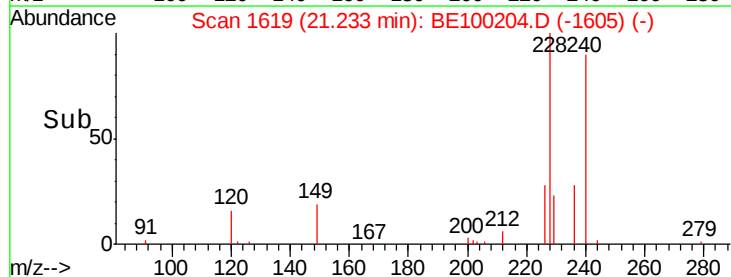
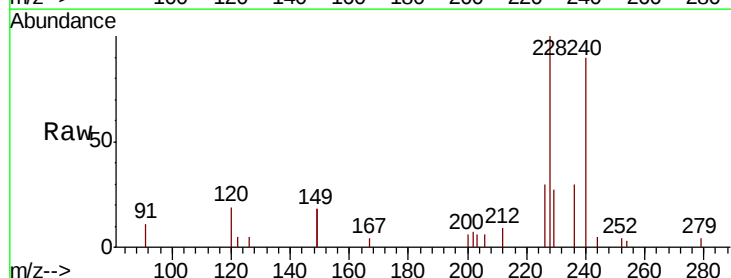
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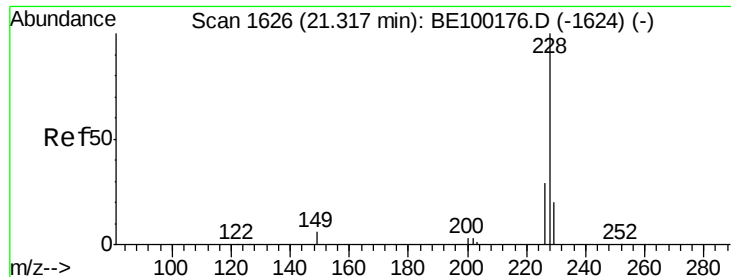
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#30
 Benzo(a)anthracene
 Concen: 0.144 ng m
 RT: 21.23 min Scan# 1619
 Delta R.T. -0.04 min
 Lab File: BE100204.D
 Acq: 27 Jun 2019 14:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	21.5	32.3
229	26.9	17.2	25.8





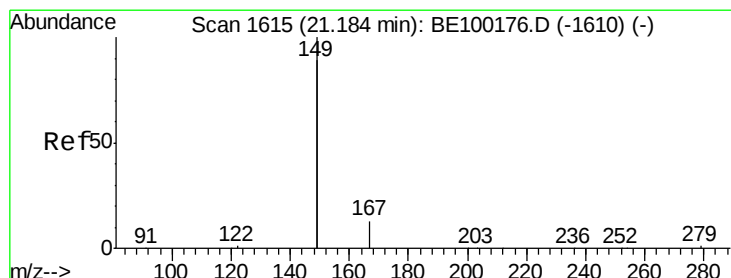
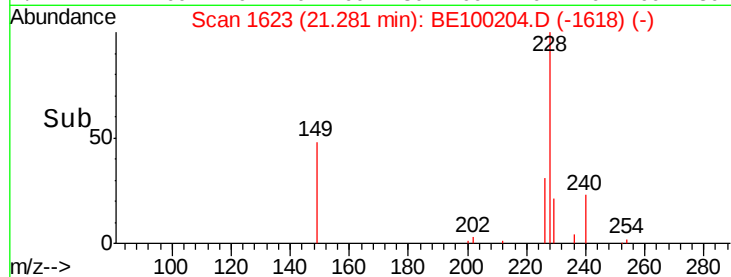
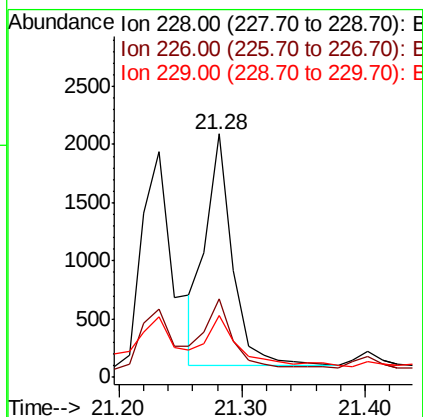
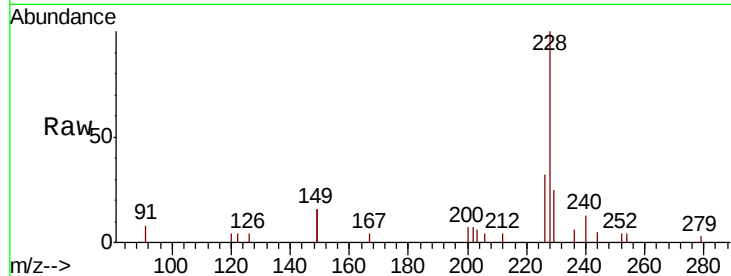
#31
 Chrysene
 Concen: 0.110 ng
 RT: 21.28 min Scan# 1623
 Delta R.T. -0.04 min
 Lab File: BE100204.D
 Acq: 27 Jun 2019 14:52

Instrument :
 BNA_E
 ClientSampleId :
 PST-084-B044-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	23.7	35.5
229	25.3	16.5	24.7

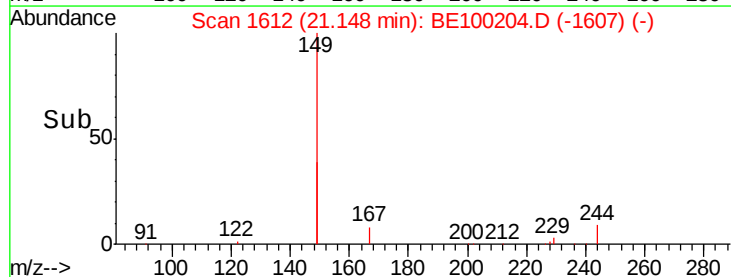
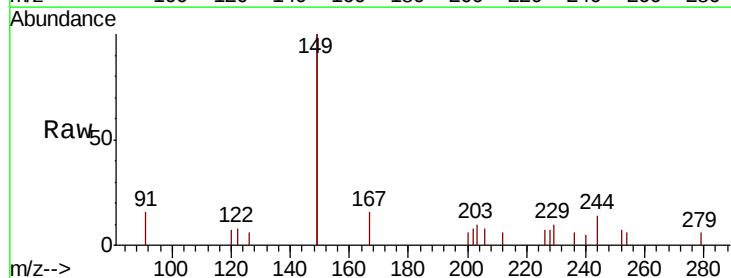
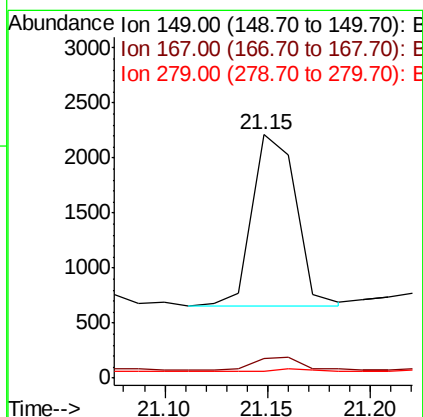
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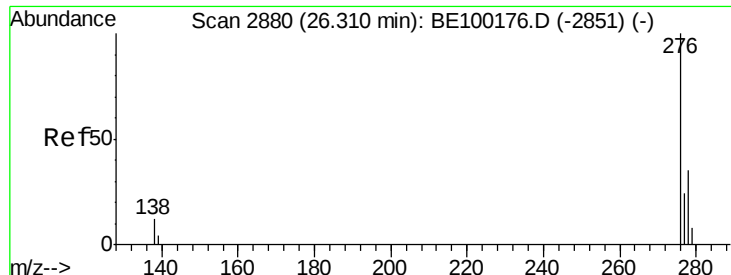
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.088 ng
 RT: 21.15 min Scan# 1612
 Delta R.T. -0.04 min
 Lab File: BE100204.D
 Acq: 27 Jun 2019 14:52

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.9	5.9	8.9
279	1.6	1.0	1.6





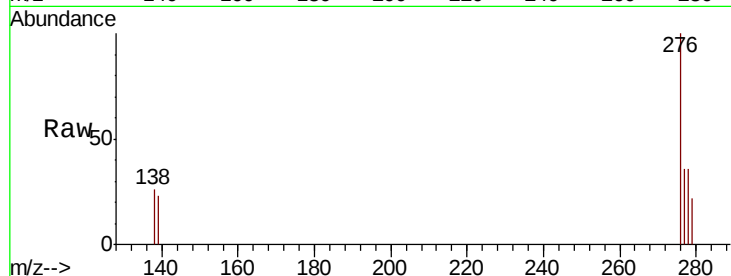
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.040 ng
RT: 26.22 min Scan# 2856
Delta R.T. -0.09 min
Lab File: BE100204.D
Acq: 27 Jun 2019 14:52

Instrument :
BNA_E
ClientSampleId :
PST-084-B044-061319

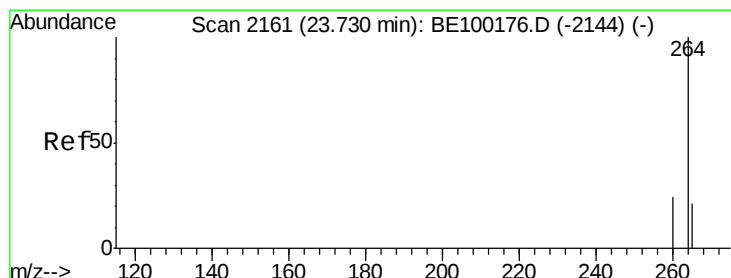
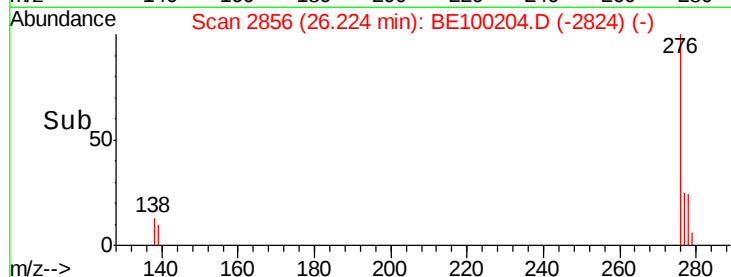
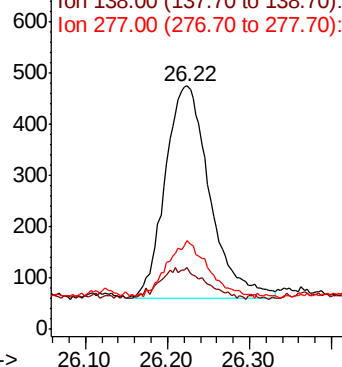
Tot Ion	Ratio	Lower	Upper
276	100		
138	4.6	3.7	5.5
277	25.1	18.7	28.1

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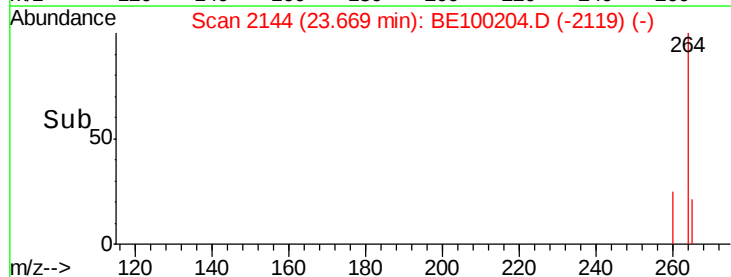
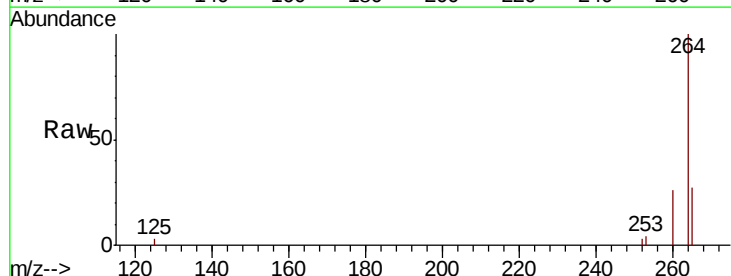
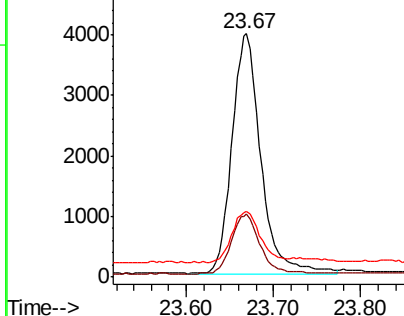
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

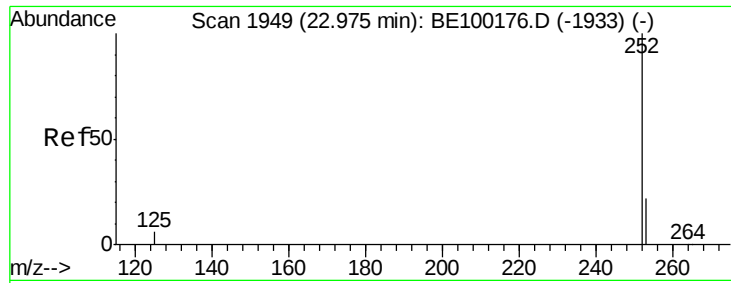


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2144
Delta R.T. -0.06 min
Lab File: BE100204.D
Acq: 27 Jun 2019 14:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.4	30.6
265	27.0	22.5	33.7

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.149 ng

RT: 22.92 min Scan# 1935

Delta R.T. -0.05 min

Lab File: BE100204.D

Acq: 27 Jun 2019 14:52

Instrument :

BNA_E

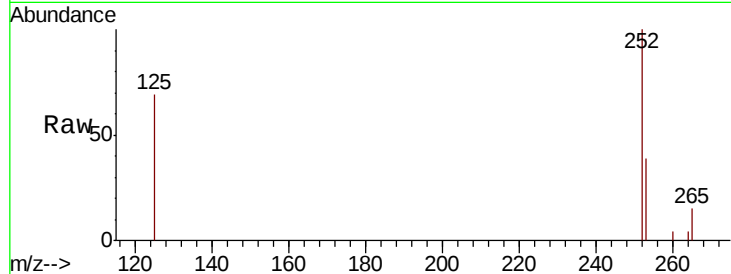
ClientSampleId :

PST-084-B044-061319

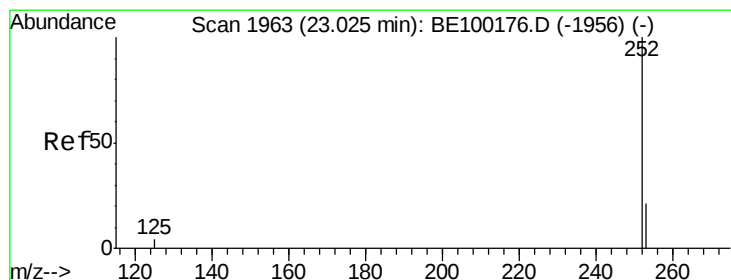
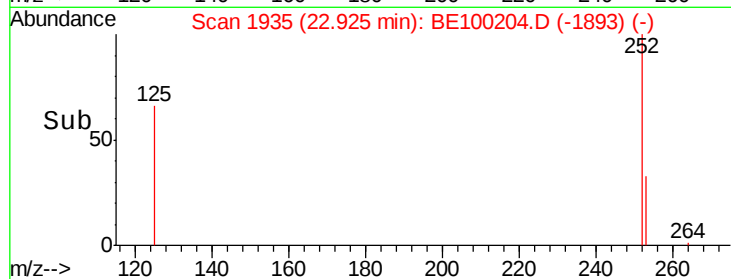
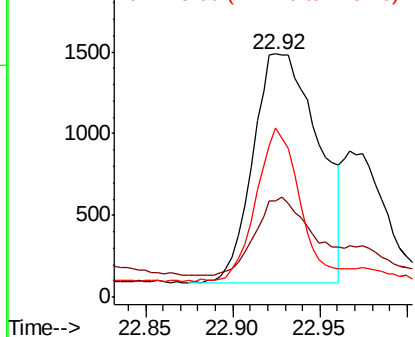
Tot Ion:	252	Resp:	3644
Ion Ratio	Lower	Upper	
252	100		
253	39.4	19.0	28.4#
125	69.3	6.3	9.5#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.051 ng m

RT: 22.97 min Scan# 1947

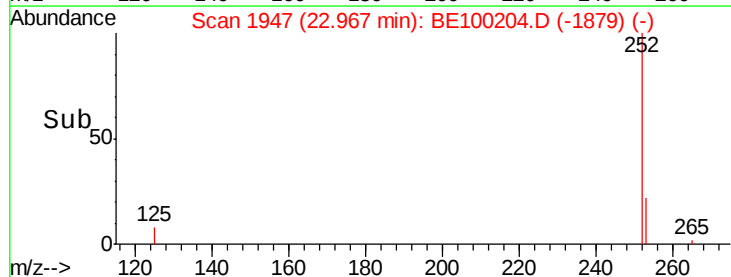
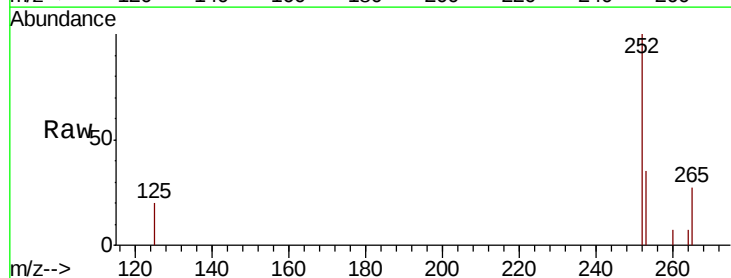
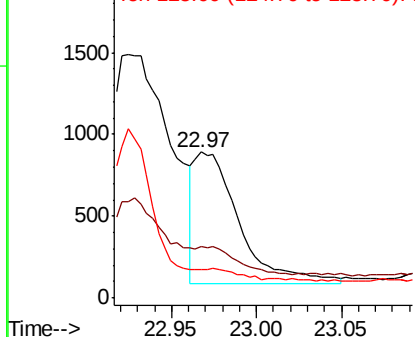
Delta R.T. -0.06 min

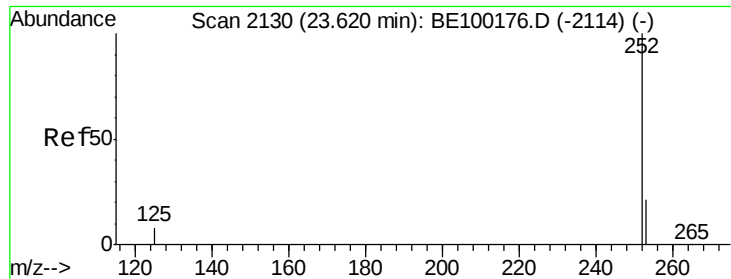
Lab File: BE100204.D

Acq: 27 Jun 2019 14:52

Tgt Ion:	252	Resp:	1483
Ion Ratio	Lower	Upper	
252	100		
253	35.1	18.4	27.6#
125	19.9	5.0	7.4#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





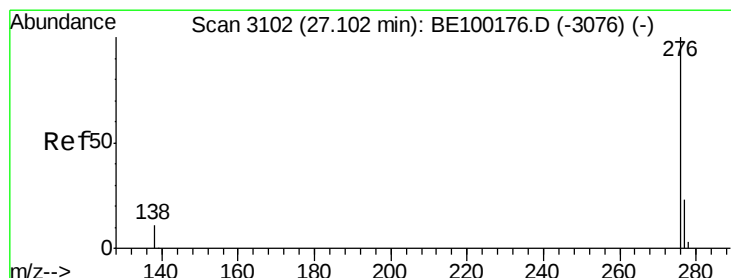
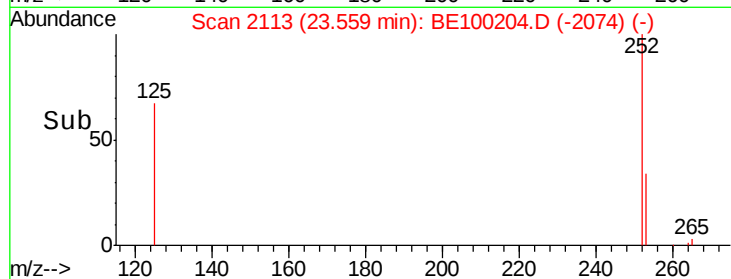
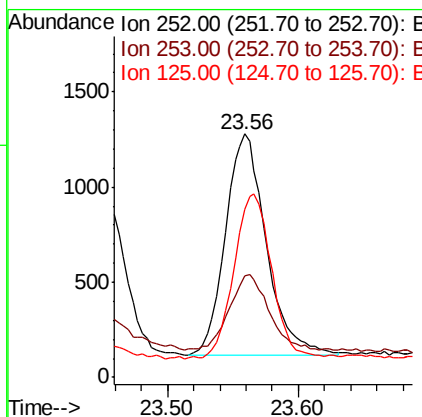
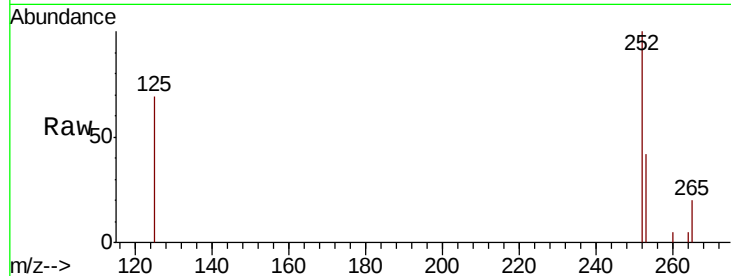
#37
Benzo(a)pyrene
Concen: 0.100 ng
RT: 23.56 min Scan# 2113
Delta R.T. -0.06 min
Lab File: BE100204.D
Acq: 27 Jun 2019 14:52

Instrument :
BNA_E
ClientSampleId :
PST-084-B044-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	42.0	19.2	28.8#
125	69.2	8.2	12.2#

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#39
Benzo(g,h,i)perylene
Concen: 0.056 ng
RT: 27.00 min Scan# 3074
Delta R.T. -0.10 min
Lab File: BE100204.D
Acq: 27 Jun 2019 14:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.5	19.8	29.6#
138	21.4	10.2	15.4#

