

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
 Data File : BE099468.D
 Acq On : 1 May 2019 17:45
 Operator : JU/SJ
 Sample : K2588-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B014-042519

Manual Integrations
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 5/2/2019 4:47:35 PM

Quant Time: May 02 08:21:59 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 29 18:36:43 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	2033	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	7546	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6120	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	20234	0.40	ng	0.00
27) Chrysene-d12	21.36	240	25844	0.40	ng	0.00
34) Perylene-d12	23.86	264	29325	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2260	0.40	ng	0.00
5) Phenol-d6	6.96	99	3355	0.45	ng	-0.01
8) Nitrobenzene-d5	8.96	82	2692	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4850	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1589	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	7468	0.32	ng	-0.02
25) Fluoranthene-d10	19.22	212	90213	0.33	ng	0.00
29) Terphenyl-d14	19.81	244	18080	0.38	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	1871	0.023	ng	# 90
16) Acenaphthylene	14.18	152	753	0.025	ng	# 88
18) Fluorene	15.49	166	516	0.020	ng	# 82
23) Phenanthrene	17.23	178	14293	0.274	ng	99
24) Anthracene	17.32	178	1990	0.040	ng	# 84
26) Fluoranthene	19.25	202	31801	0.407	ng	99
28) Pyrene	19.61	202	29624	0.440	ng	# 96
30) Benzo(a)anthracene	21.34	228	18836	0.229	ng	97
31) Chrysene	21.40	228	18800	0.233	ng	97
33) Indeno(1,2,3-cd)pyrene	26.50	276	10999	0.115	ng	96
35) Benzo(b)fluoranthene	23.09	252	22895	0.271	ng	# 92
36) Benzo(k)fluoranthene	23.14	252	8114m	0.100	ng	
37) Benzo(a)pyrene	23.75	252	16184	0.202	ng	# 92
38) Dibenzo(a,h)anthracene	26.52	278	2927	0.036	ng	# 62
39) Benzo(g,h,i)perylene	27.31	276	10502	0.128	ng	96

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

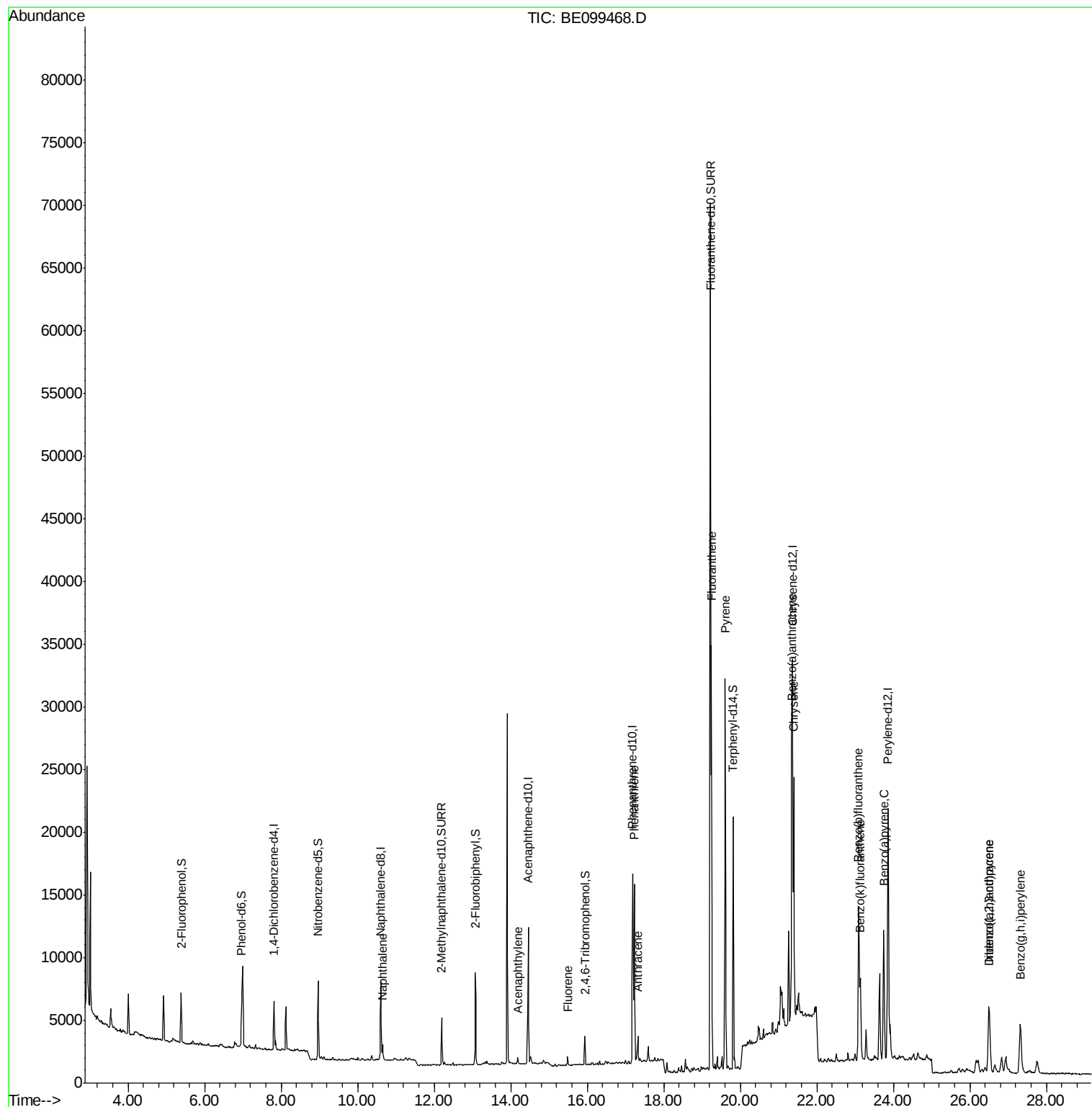
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

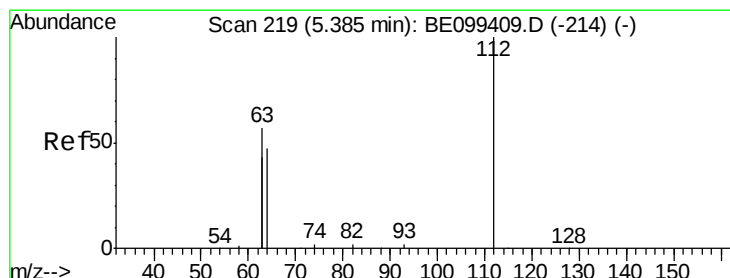
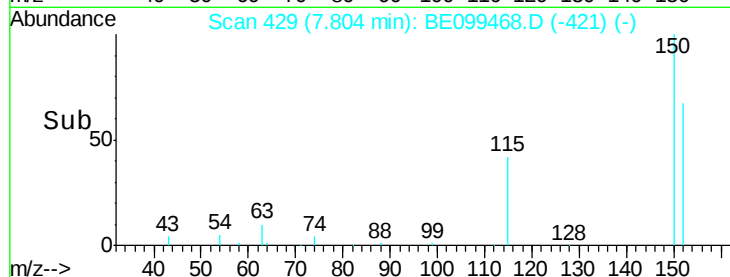
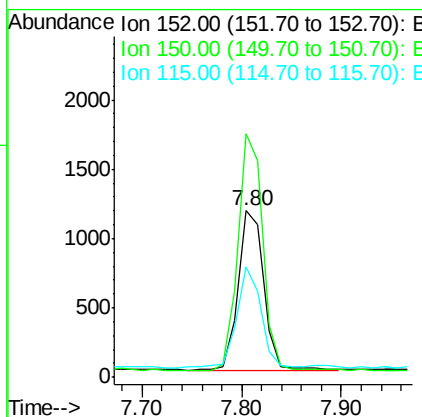
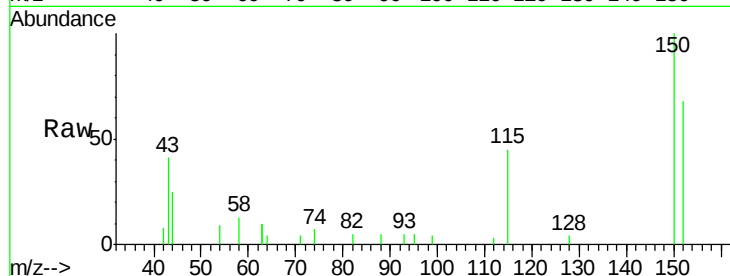
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099468.D
Acq: 1 May 2019 17:45

Instrument :
BNA_E
ClientSampleId :
PST-001-B014-042519

Tgt Ion	Ratio	Lower	Upper
152	100		
150	146.1	104.8	157.2
115	65.9	46.6	69.8

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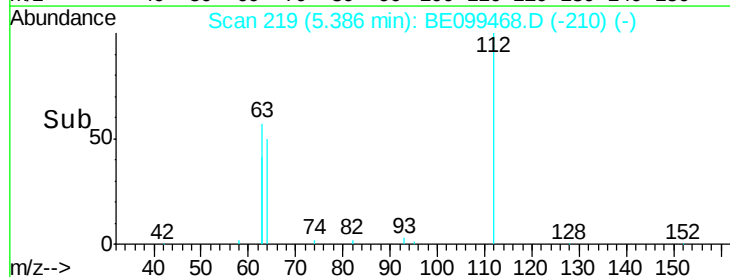
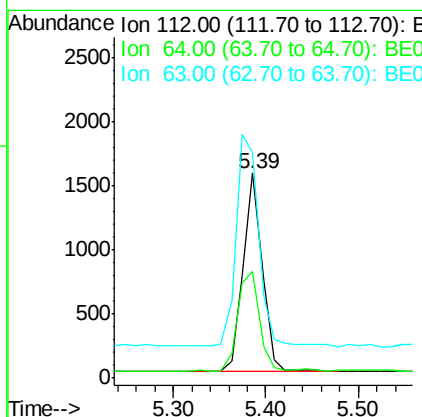
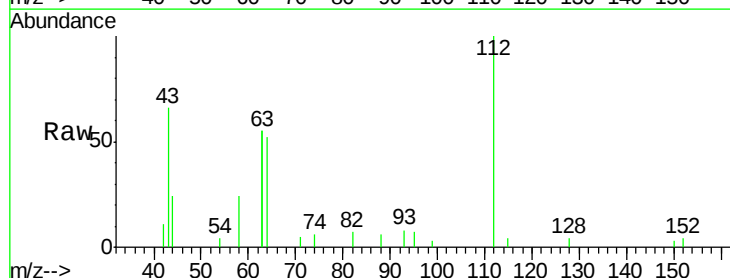
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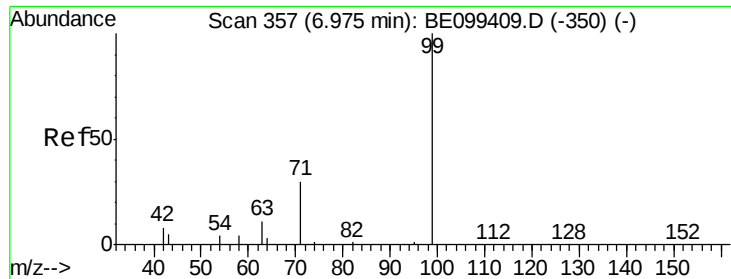


#4

2-Fluorophenol
Concen: 0.402 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099468.D
Acq: 1 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.4	71.0
63	126.9	104.3	156.5





#5

Phenol-d6

Concen: 0.449 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099468.D

Acq: 1 May 2019 17:45

Instrument :

BNA_E

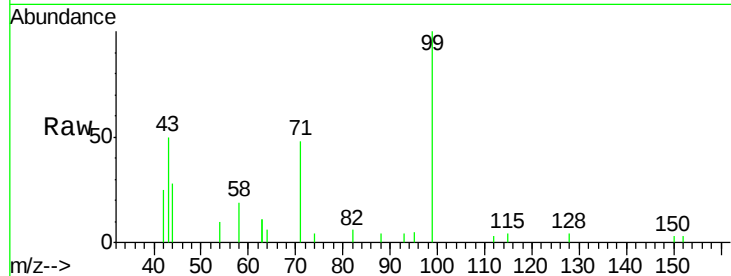
ClientSampleId :

PST-001-B014-042519

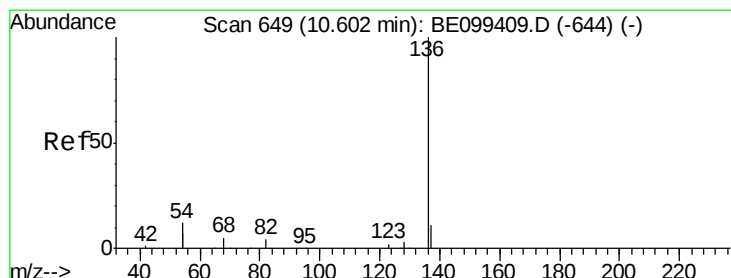
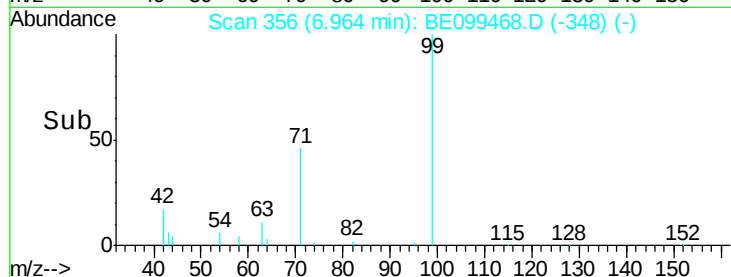
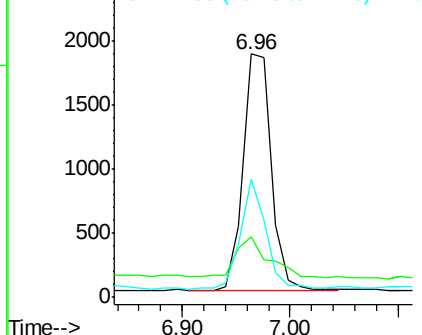
Tgt Ion:	99	Resp:	3355
Ion	Ratio	Lower	Upper
99	100		
42	19.9	14.9	22.3
71	40.7	33.0	49.6

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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

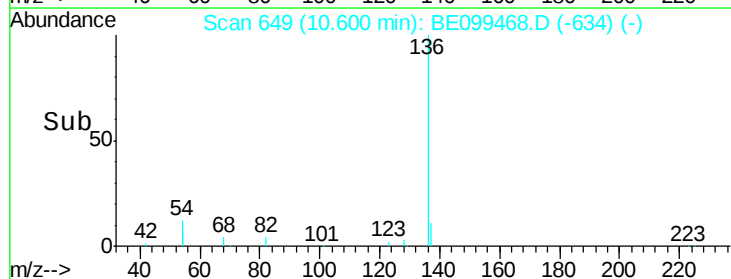
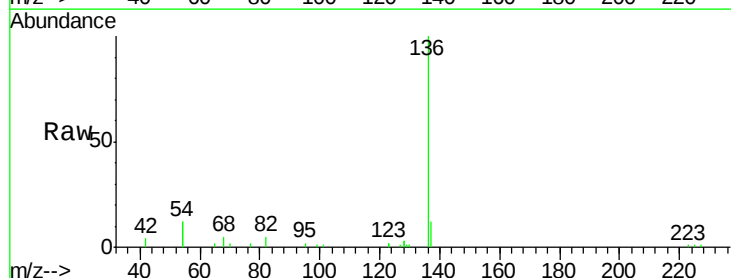
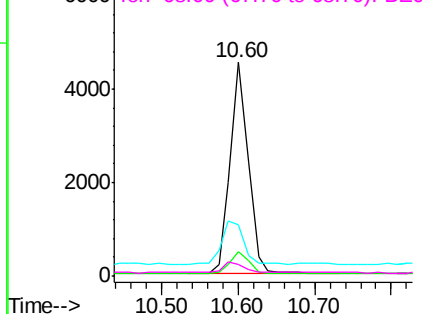
Delta R.T. -0.00 min

Lab File: BE099468.D

Acq: 1 May 2019 17:45

Tgt Ion:	136	Resp:	7546
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.8	14.8
54	24.1	18.5	27.7
68	5.5	4.7	7.1

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): BE0
Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.381 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099468.D

Acq: 1 May 2019 17:45

Instrument :

BNA_E

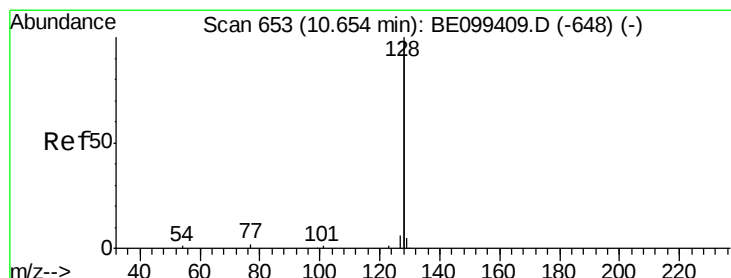
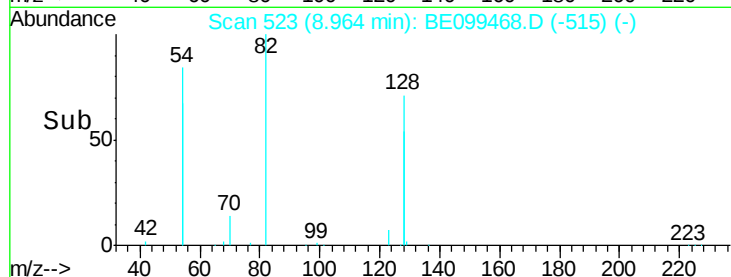
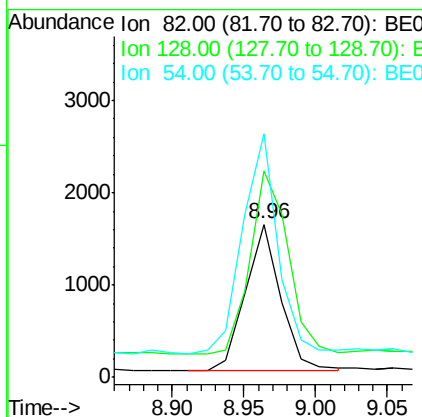
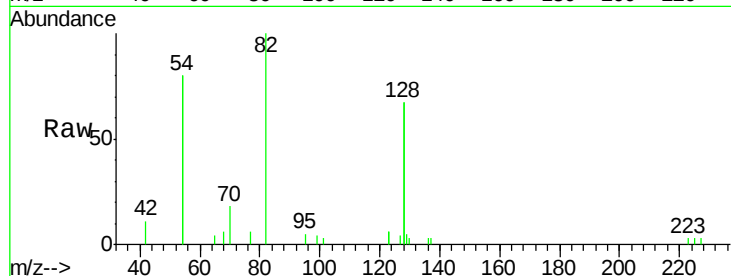
ClientSampleId :

PST-001-B014-042519

Tgt Ion:	82	Resp:	2692
Ion Ratio	Lower	Upper	
82	100		
128	134.8	107.0	160.4
54	159.2	113.1	169.7

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#9

Naphthalene

Concen: 0.023 ng

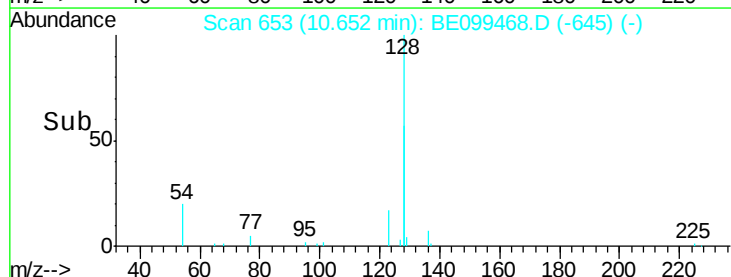
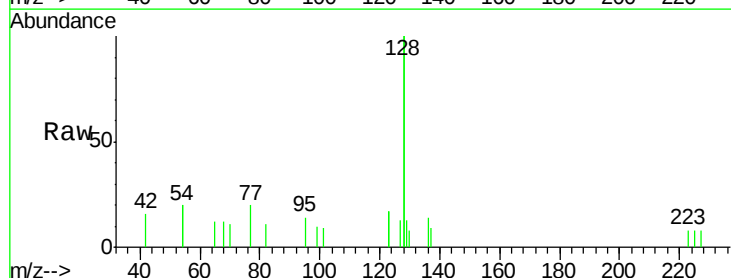
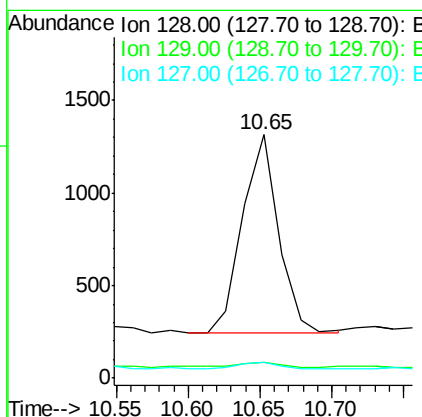
RT: 10.65 min Scan# 653

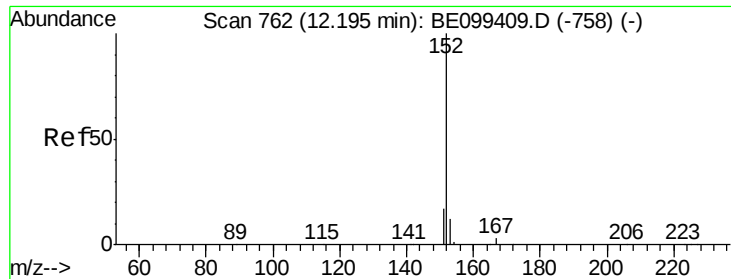
Delta R.T. -0.00 min

Lab File: BE099468.D

Acq: 1 May 2019 17:45

Tgt Ion:	128	Resp:	1871
Ion Ratio	Lower	Upper	
128	100		
129	6.6	2.4	3.6#
127	6.7	2.8	4.2#





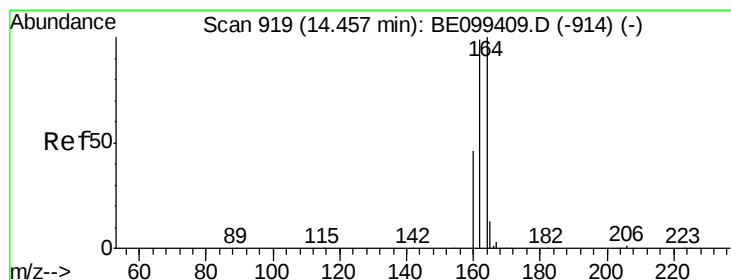
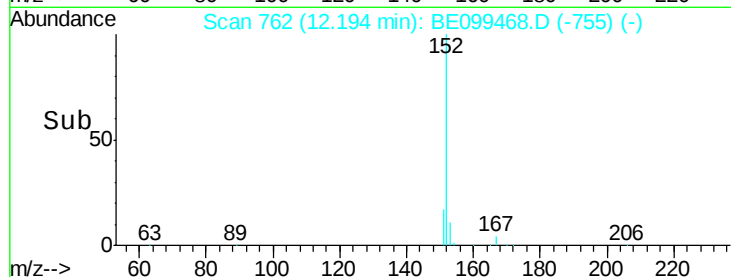
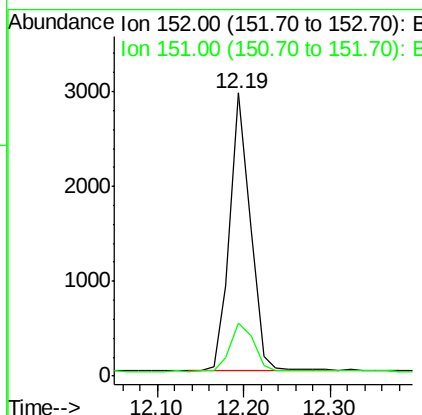
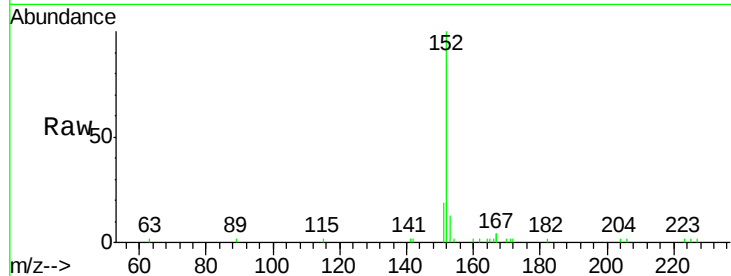
#11
 2-Methylnaphthalene-d10
 Concen: 0.357 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099468.D
 Acq: 1 May 2019 17:45

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B014-042519

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.5	23.3

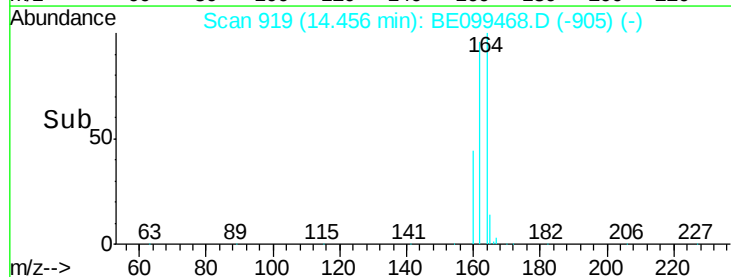
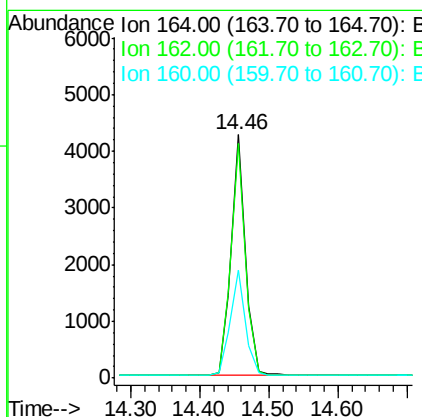
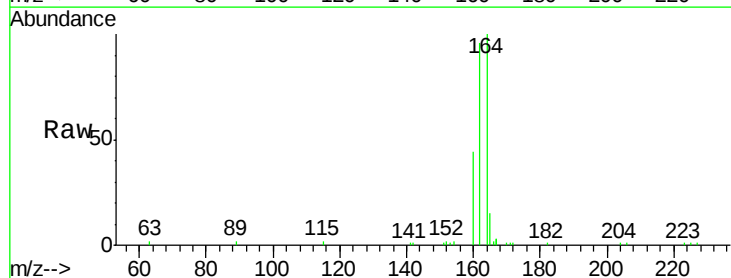
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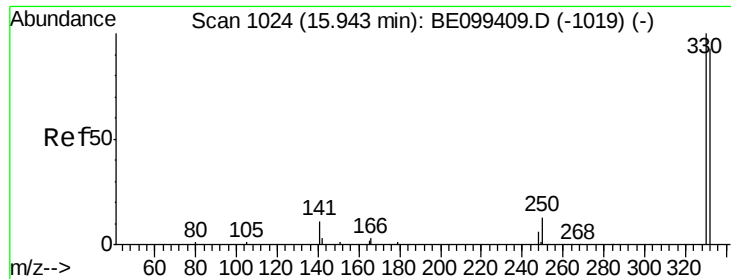
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099468.D
 Acq: 1 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.2	79.0	118.4
160	44.1	37.0	55.4





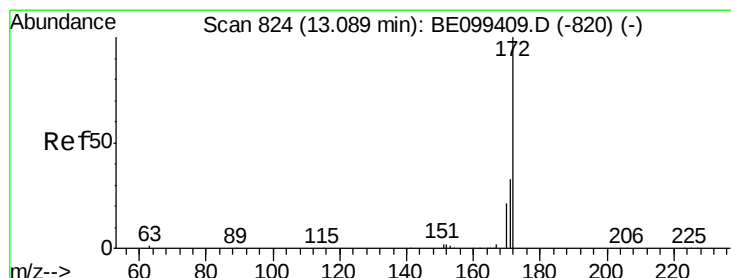
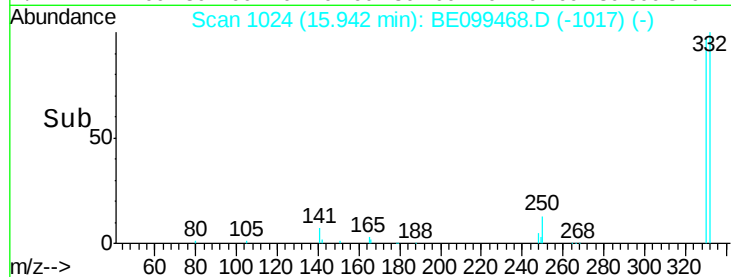
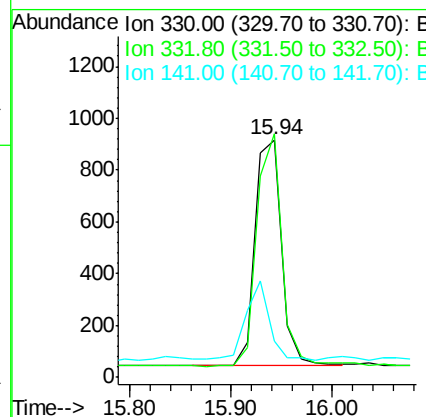
#14
 2,4,6-Tribromophenol
 Concen: 0.412 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE099468.D
 Acq: 1 May 2019 17:45

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B014-042519

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.4	71.5	107.3
141	31.7	24.0	36.0

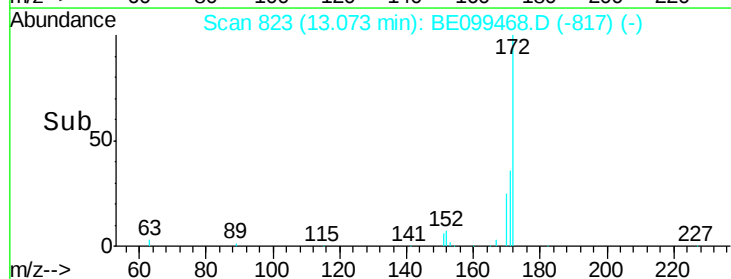
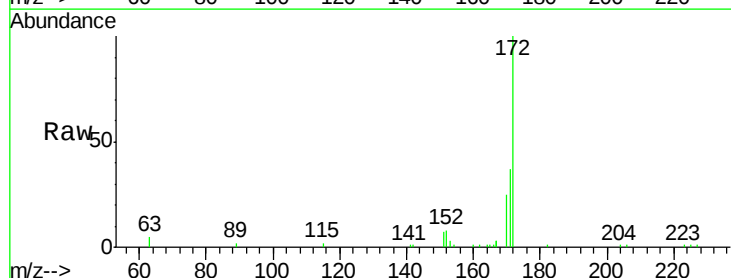
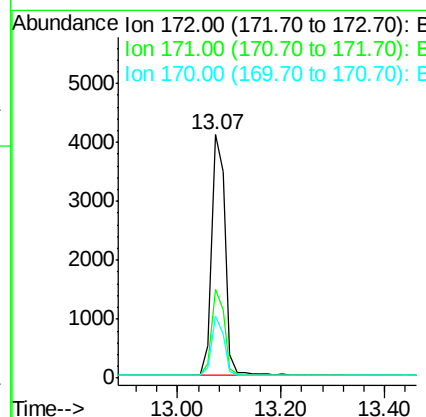
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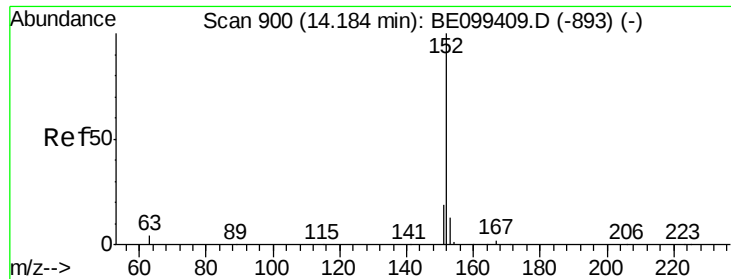
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#15
 2-Fluorobiphenyl
 Concen: 0.320 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.02 min
 Lab File: BE099468.D
 Acq: 1 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	26.6	39.8
170	25.4	17.0	25.6





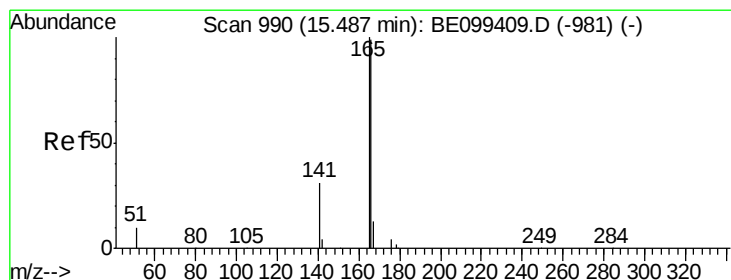
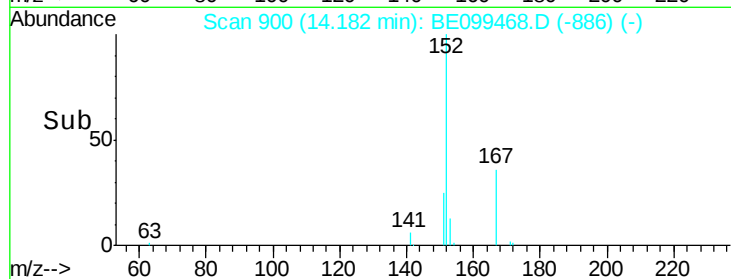
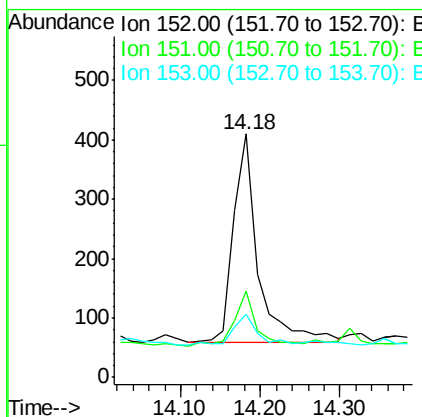
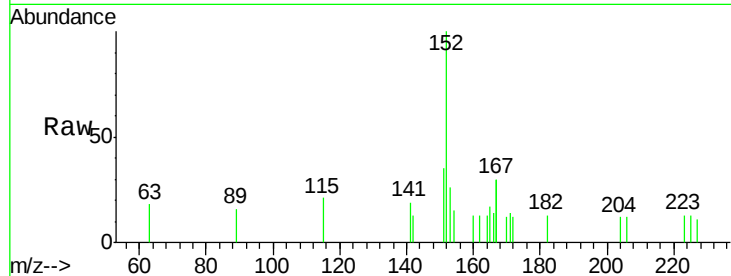
#16
Acenaphthylene
Concen: 0.025 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099468.D
Acq: 1 May 2019 17:45

Instrument :
BNA_E
ClientSampleId :
PST-001-B014-042519

Tgt Ion	Ratio	Lower	Upper
152	100		
151	25.5	15.4	23.2#
153	15.5	9.8	14.6#

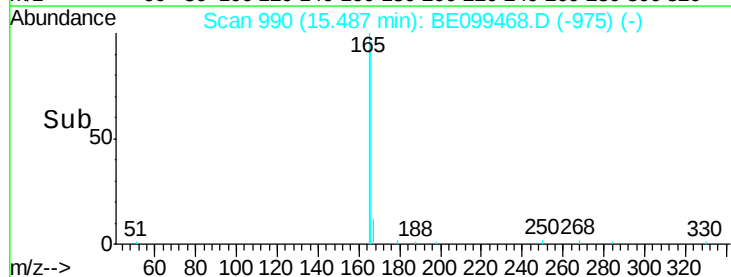
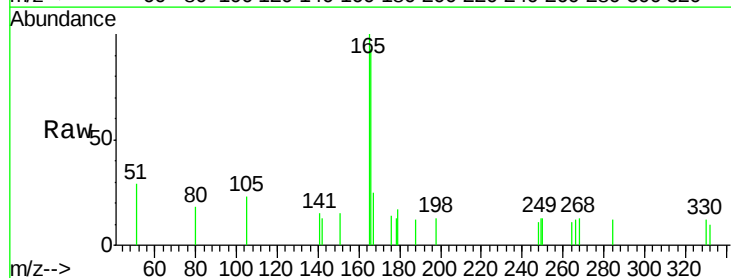
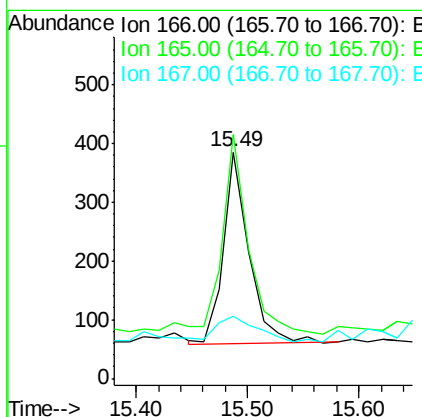
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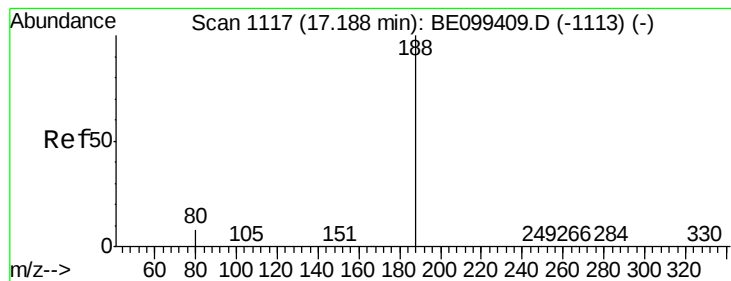
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#18
Fluorene
Concen: 0.020 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.00 min
Lab File: BE099468.D
Acq: 1 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
166	100		
165	118.0	80.3	120.5
167	22.5	10.7	16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE099468.D

Acq: 1 May 2019 17:45

Instrument :

BNA_E

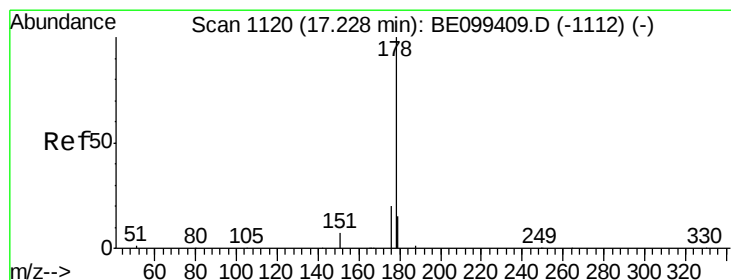
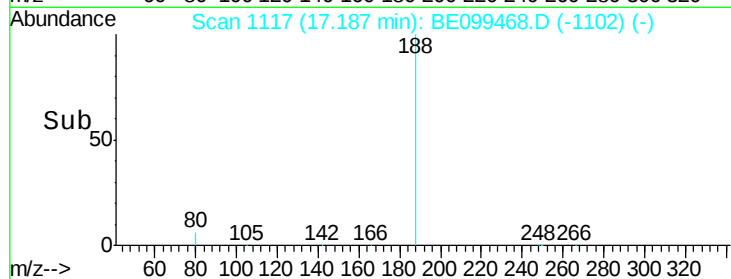
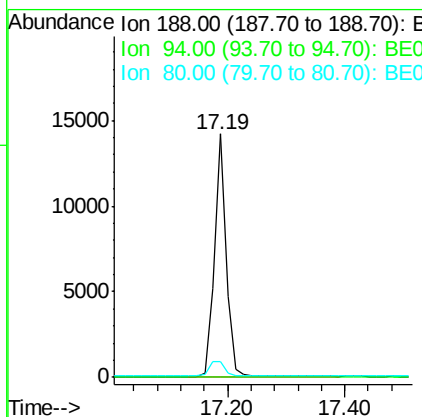
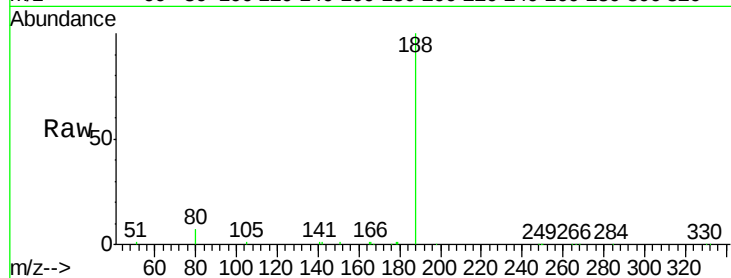
ClientSampleId :

PST-001-B014-042519

Tgt Ion:	188	Resp:	20234
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.6	6.7	10.1#

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#23

Phenanthrene

Concen: 0.274 ng

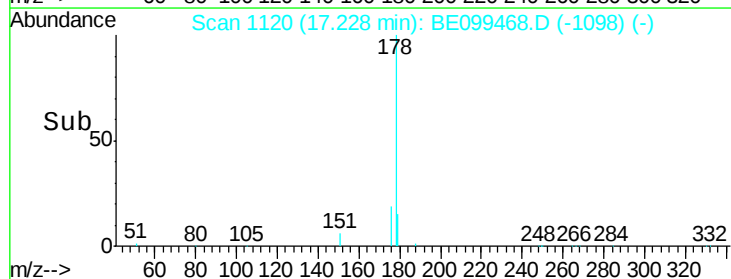
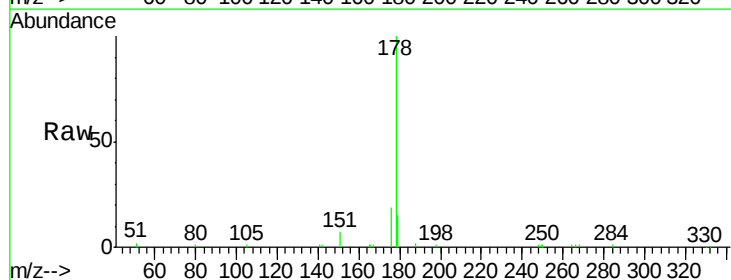
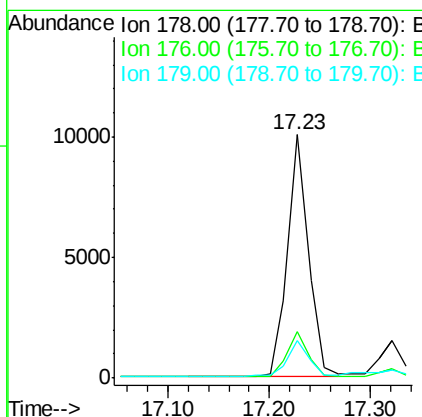
RT: 17.23 min Scan# 1120

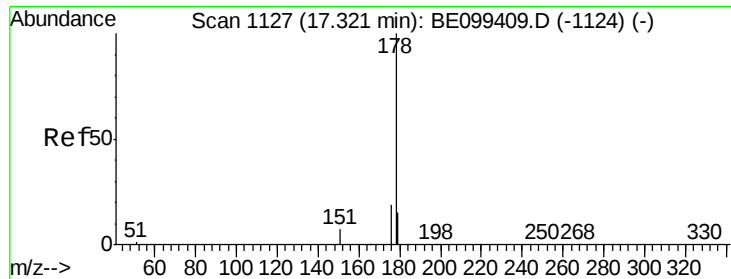
Delta R.T. -0.00 min

Lab File: BE099468.D

Acq: 1 May 2019 17:45

Tgt Ion:	178	Resp:	14293
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.6	23.4
179	15.5	12.0	18.0





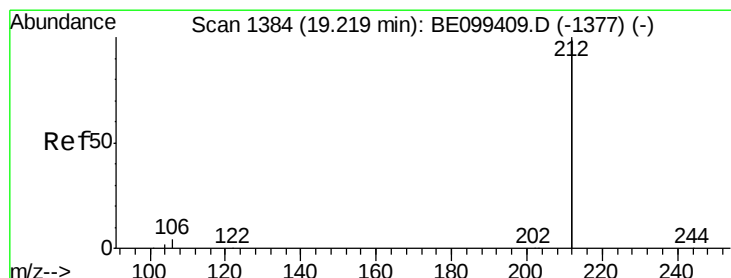
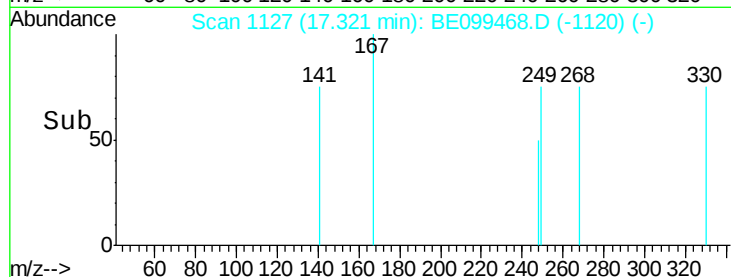
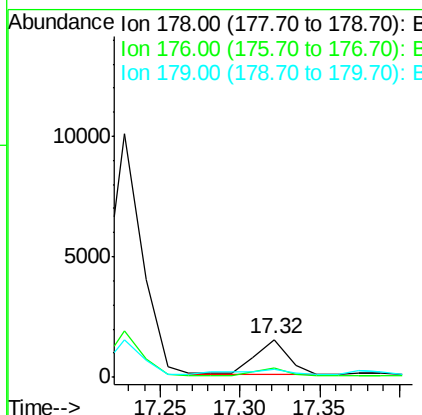
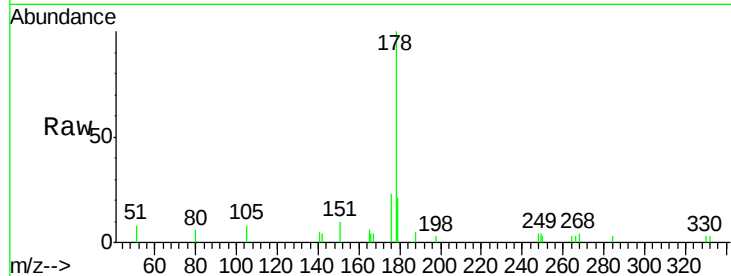
#24
 Anthracene
 Concen: 0.040 ng
 RT: 17.32 min Scan# 1127
 Delta R.T. -0.00 min
 Lab File: BE099468.D
 Acq: 1 May 2019 17:45

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B014-042519

Tgt Ion	Ratio	Lower	Upper
178	100		
176	24.2	14.9	22.3#
179	23.4	11.9	17.9#

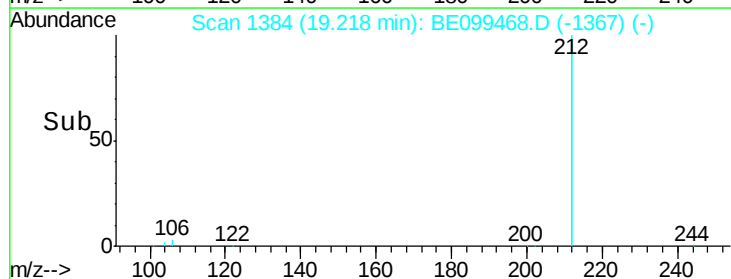
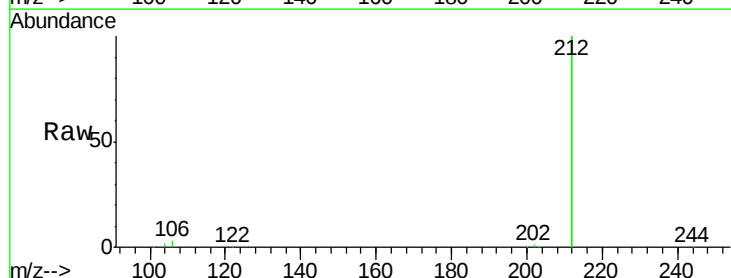
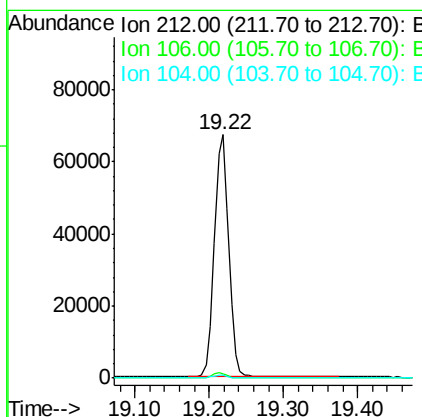
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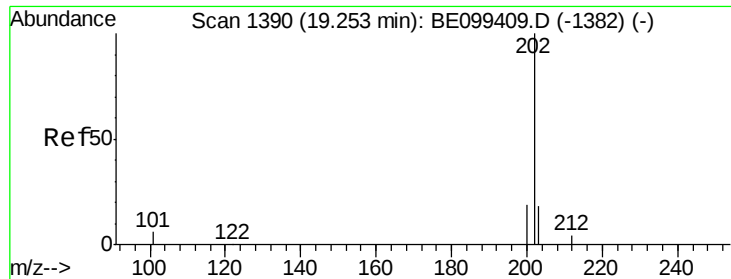
Sohil
 5/2/2019 4:47:35 PM



#25
 Fluoranthene-d10
 Concen: 0.331 ng
 RT: 19.22 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: BE099468.D
 Acq: 1 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.5	2.3
104	1.0	0.9	1.3





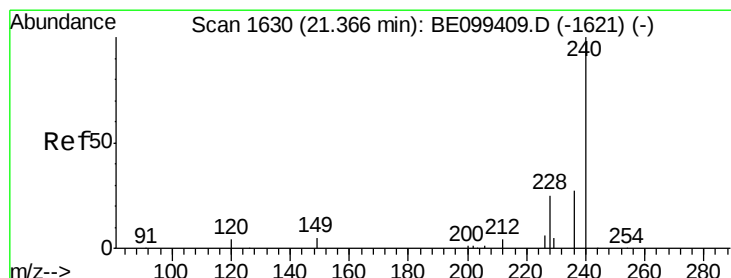
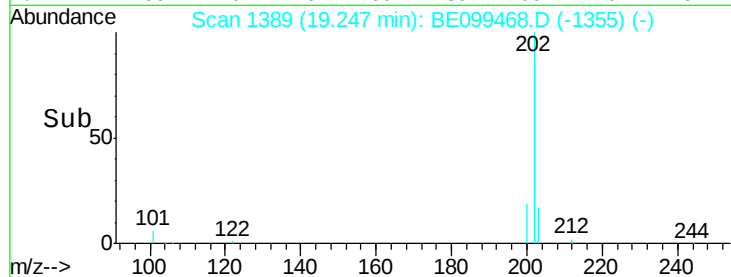
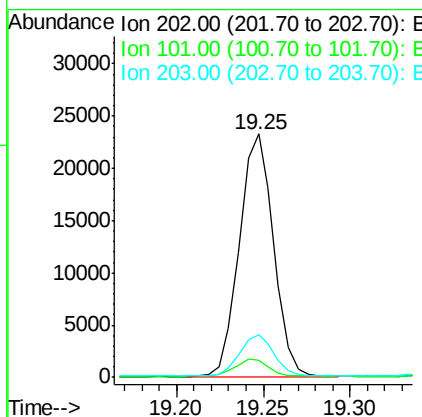
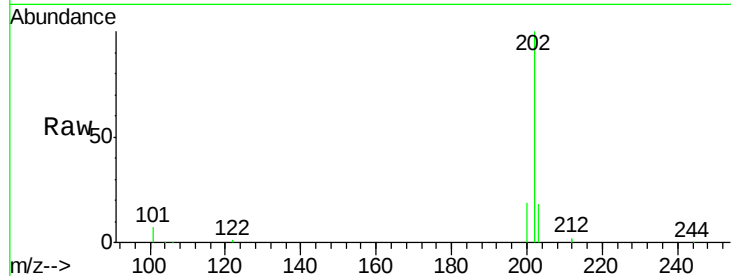
#26
Fluoranthene
 Concen: 0.407 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BE099468.D
 Acq: 1 May 2019 17:45

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B014-042519

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.0	5.4	8.0
203	17.2	13.9	20.9

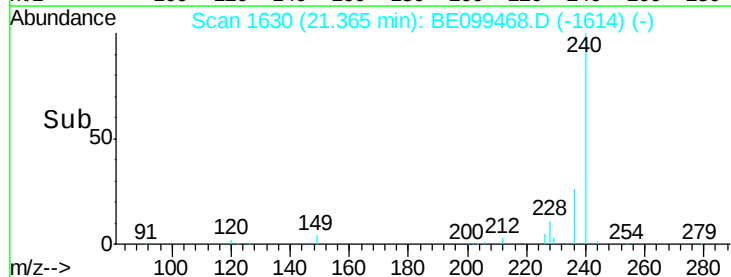
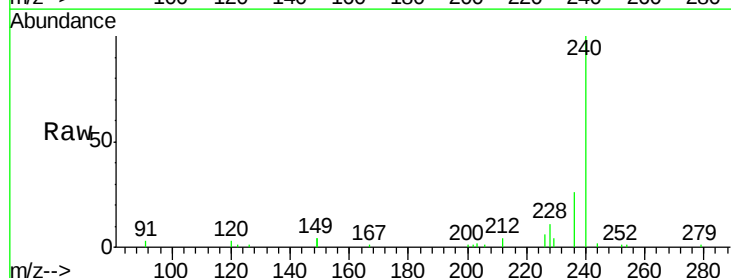
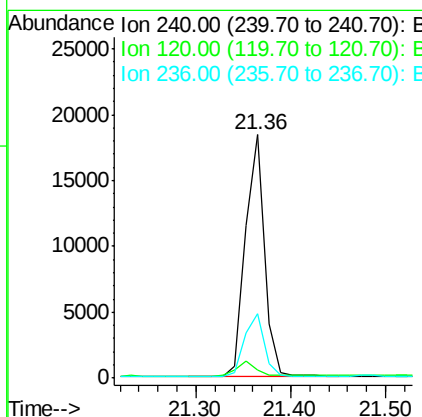
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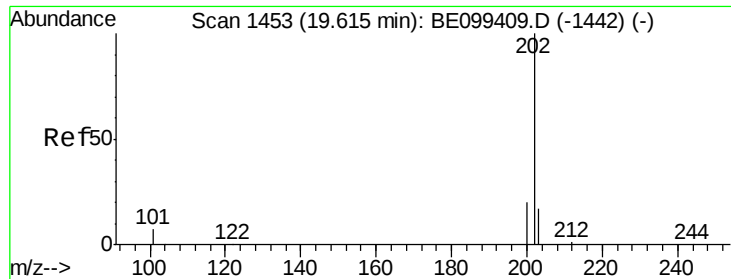
Sohil
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.36 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099468.D
 Acq: 1 May 2019 17:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	3.2	4.0	6.0#
236	26.4	22.0	33.0





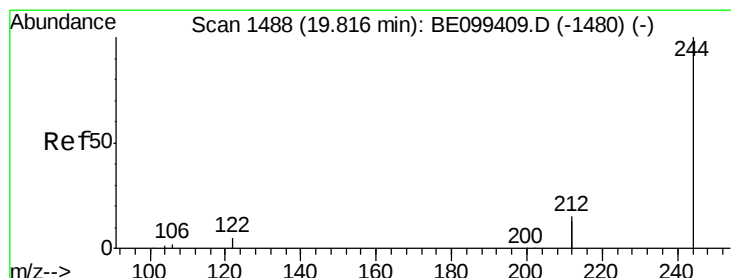
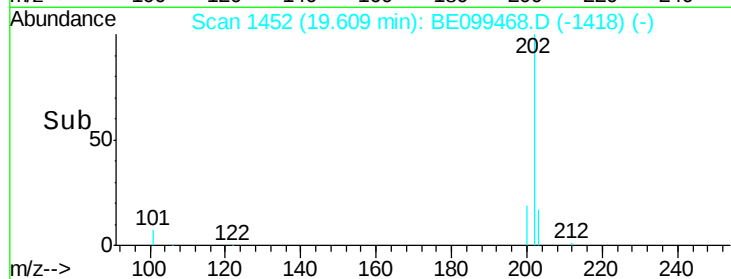
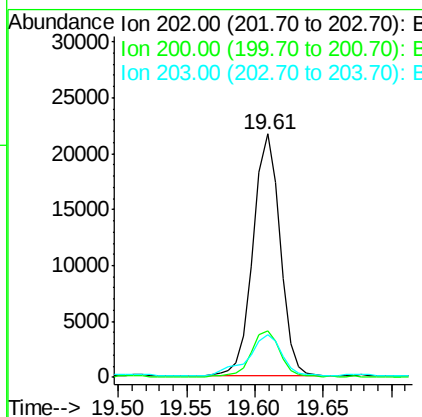
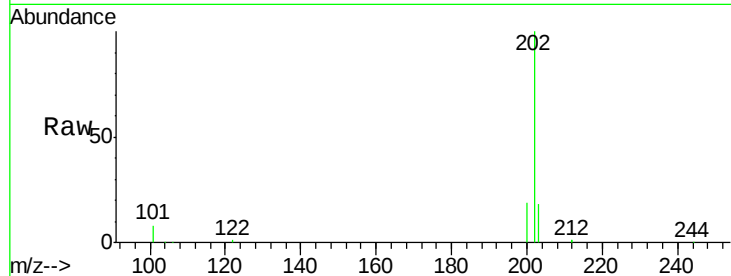
#28
 Pyrene
 Concen: 0.440 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099468.D
 Acq: 1 May 2019 17:45

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B014-042519

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	29624		
200	19.9	15.7	23.5	
203	21.1	13.9	20.9	

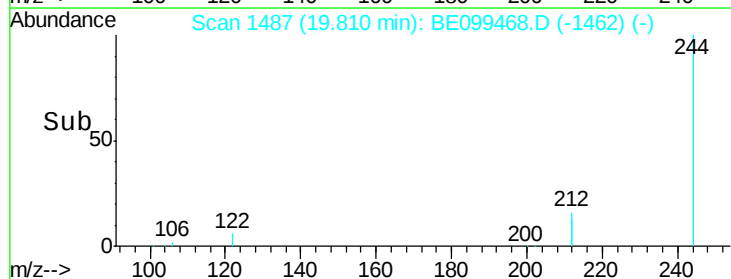
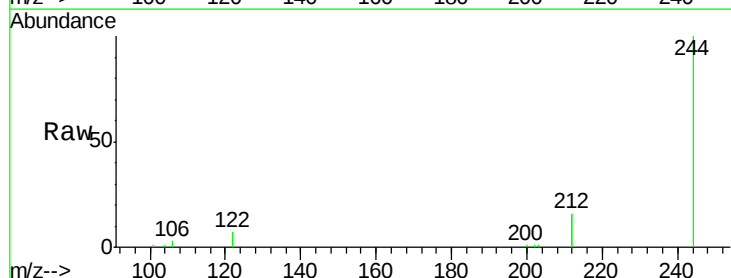
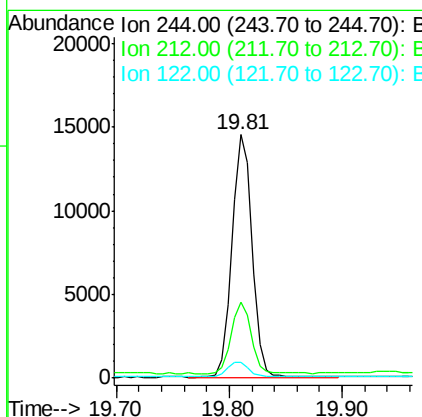
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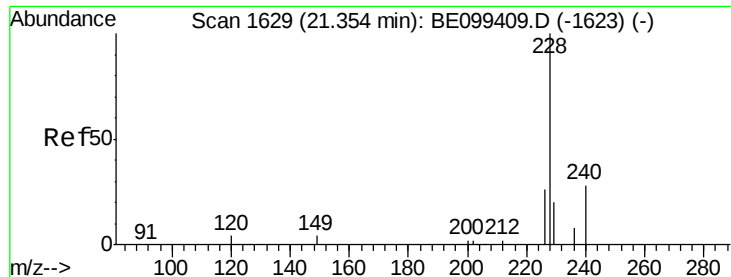
Sohil
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#29
 Terphenyl-d14
 Concen: 0.382 ng
 RT: 19.81 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BE099468.D
 Acq: 1 May 2019 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	18080		
212	31.3	23.2	34.8	
122	6.5	4.2	6.4	





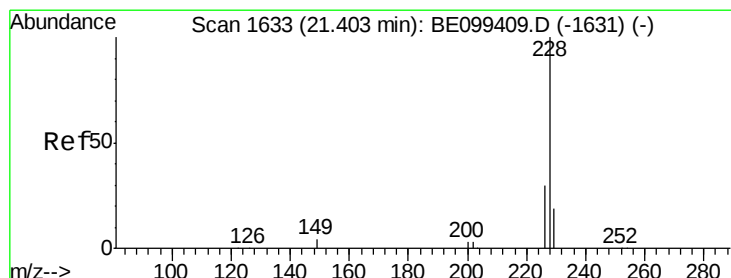
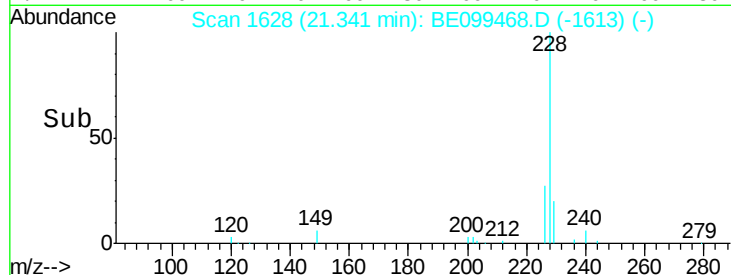
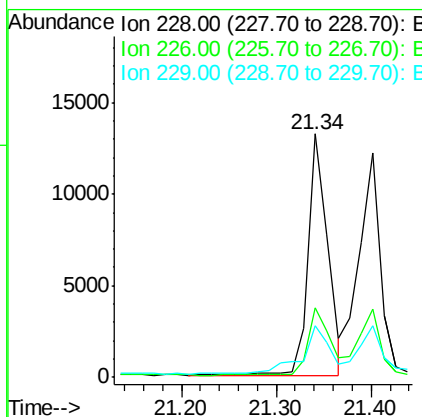
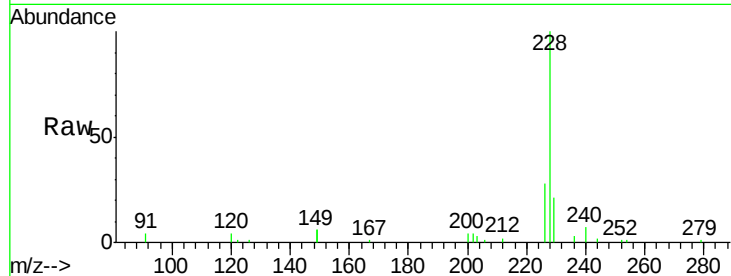
#30
Benzo(a)anthracene
Concen: 0.229 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099468.D
Acq: 1 May 2019 17:45

Instrument :
BNA_E
ClientSampleId :
PST-001-B014-042519

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.0	31.6
229	21.5	16.6	25.0

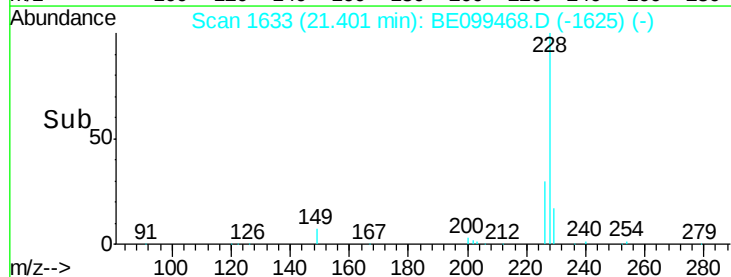
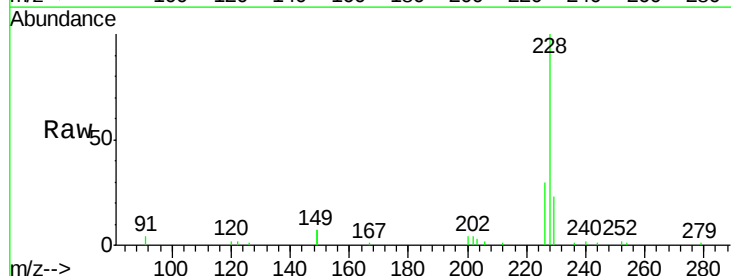
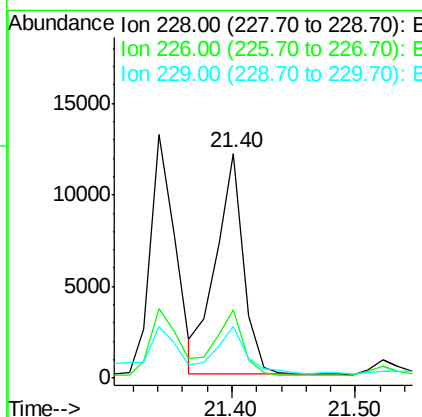
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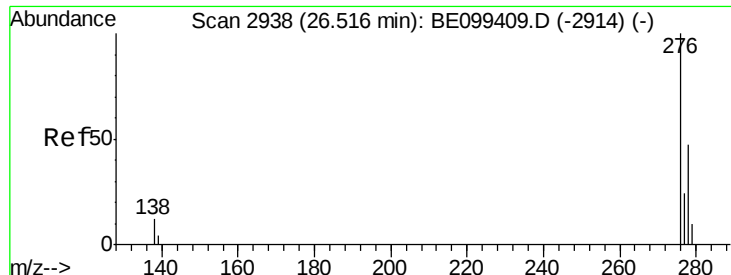
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#31
Chrysene
Concen: 0.233 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099468.D
Acq: 1 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	23.2	15.8	23.8





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.115 ng

RT: 26.50 min Scan# 2933

Delta R.T. -0.02 min

Lab File: BE099468.D

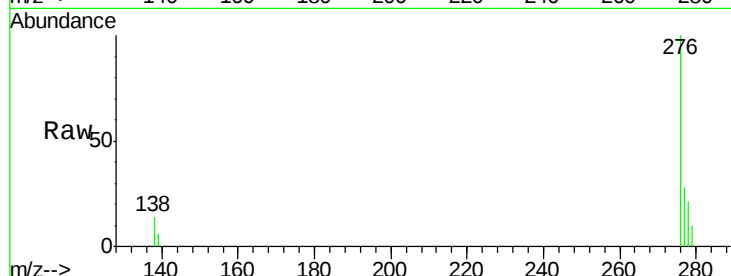
Acq: 1 May 2019 17:45

Instrument :

BNA_E

ClientSampleId :

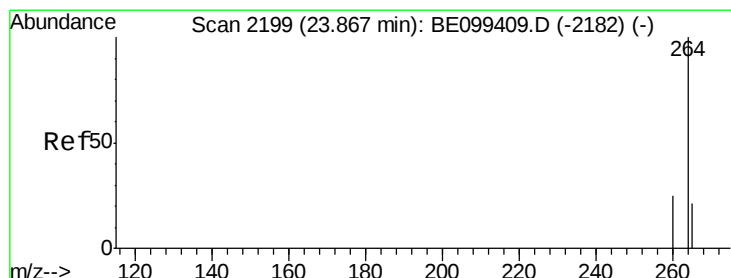
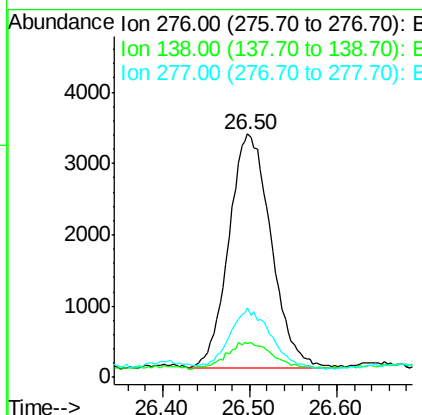
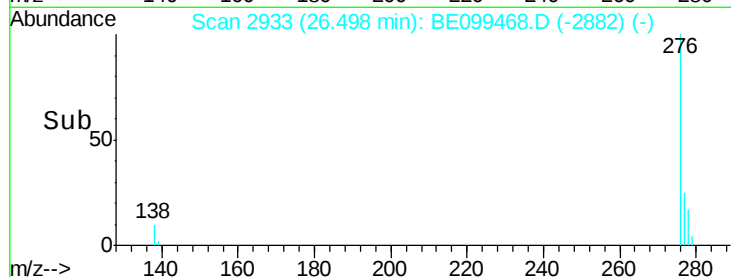
PST-001-B014-042519



Tgt Ion:	276	Resp:	10999
Ion Ratio	Lower	Upper	
276	100		
138	10.8	10.2	15.2
277	25.4	19.2	28.8

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#34

Perylene-d12

Concen: 0.400 ng

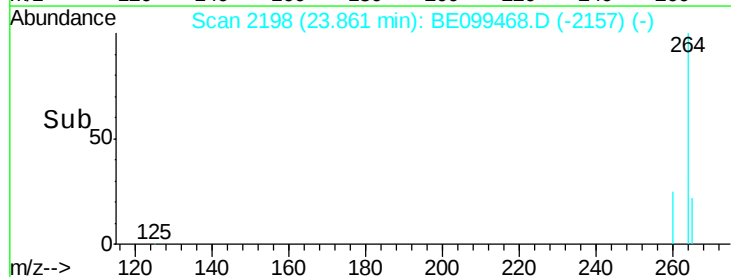
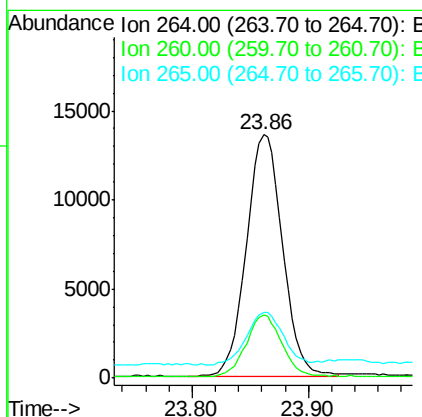
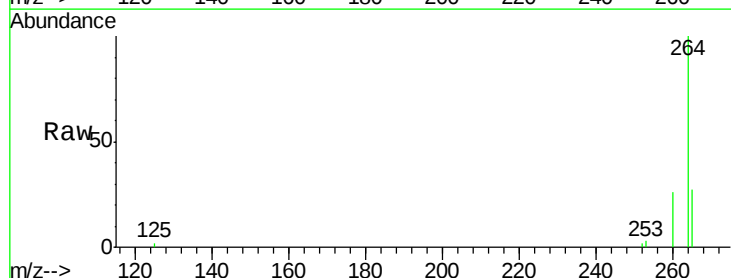
RT: 23.86 min Scan# 2198

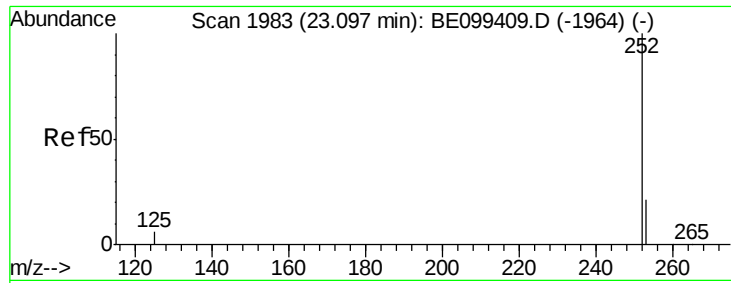
Delta R.T. -0.01 min

Lab File: BE099468.D

Acq: 1 May 2019 17:45

Tgt Ion:	264	Resp:	29325
Ion Ratio	Lower	Upper	
264	100		
260	26.0	20.2	30.2
265	27.2	21.3	31.9





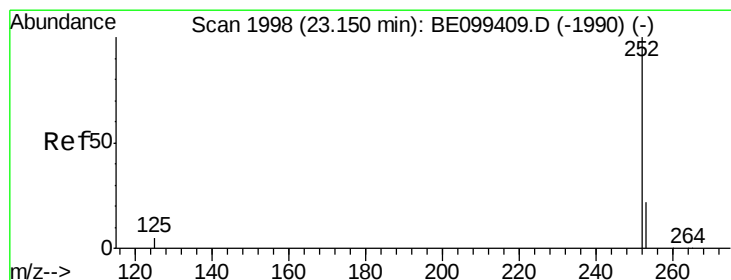
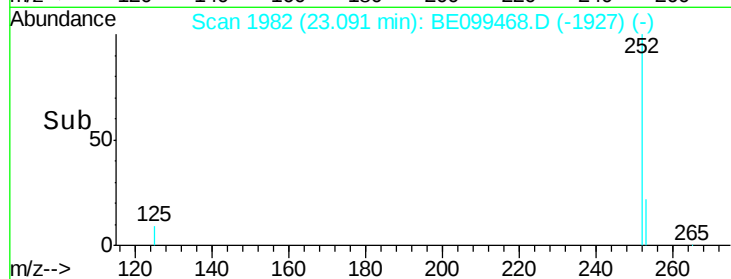
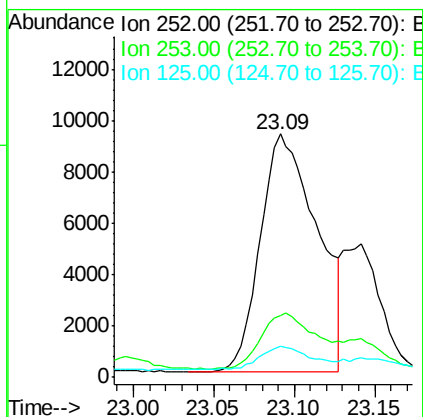
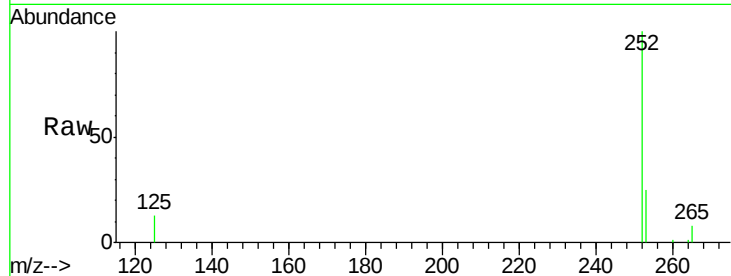
#35
Benzo(b)fluoranthene
Concen: 0.271 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BE099468.D
Acq: 1 May 2019 17:45

Instrument :
BNA_E
ClientSampleId :
PST-001-B014-042519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.1	27.1
125	12.6	5.6	8.4

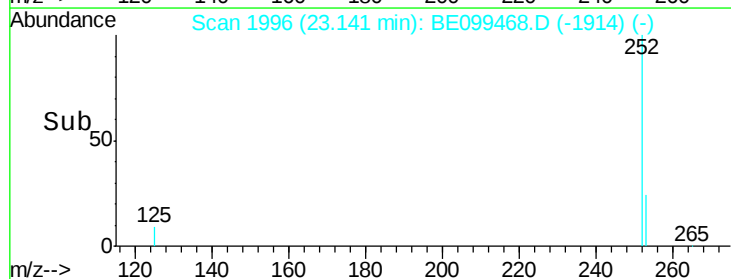
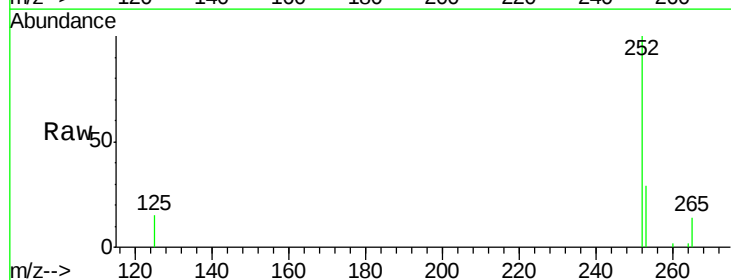
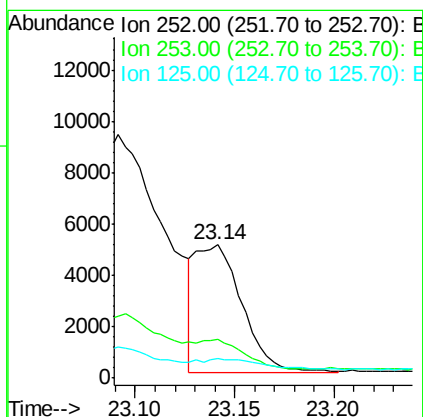
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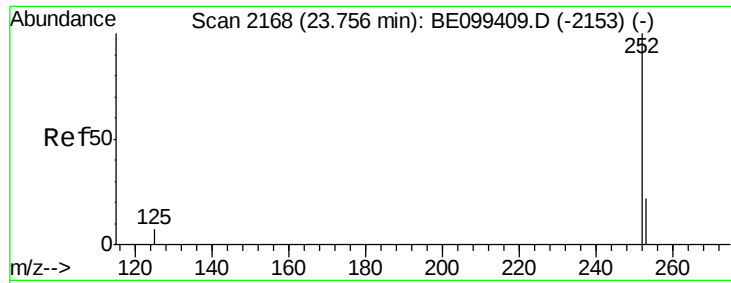
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#36
Benzo(k)fluoranthene
Concen: 0.100 ng m
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099468.D
Acq: 1 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.4	18.4	27.6
125	14.6	5.0	7.4





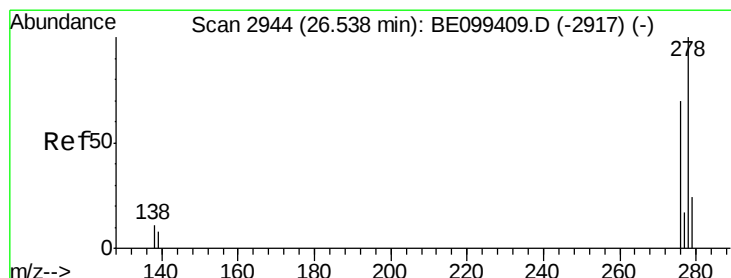
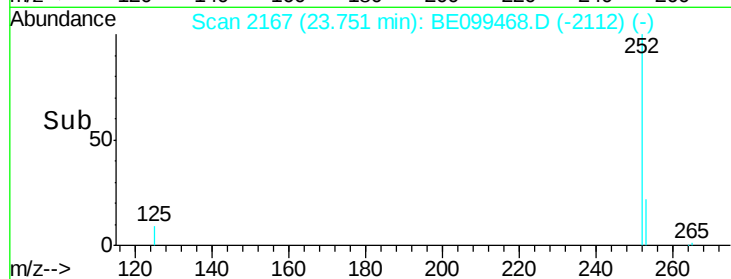
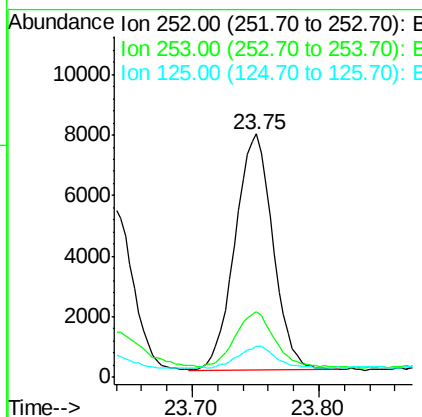
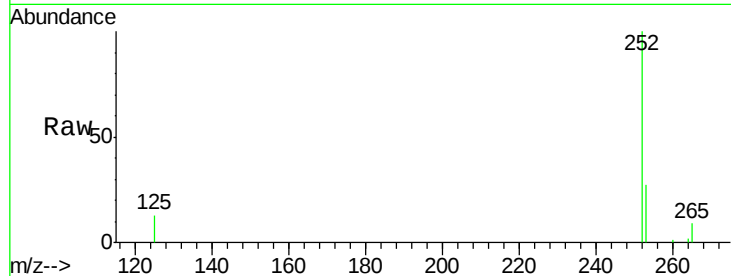
#37
Benzo(a)pyrene
Concen: 0.202 ng
RT: 23.75 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BE099468.D
Acq: 1 May 2019 17:45

Instrument :
BNA_E
ClientSampleId :
PST-001-B014-042519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.9	28.3
125	12.7	6.7	10.1

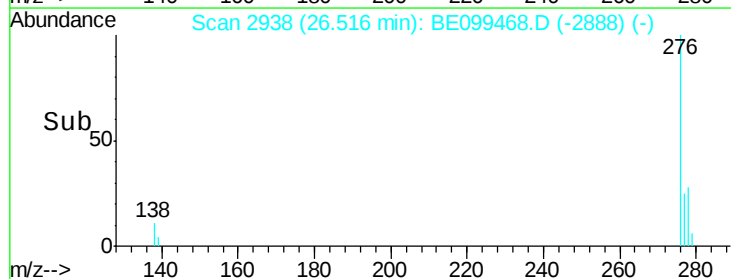
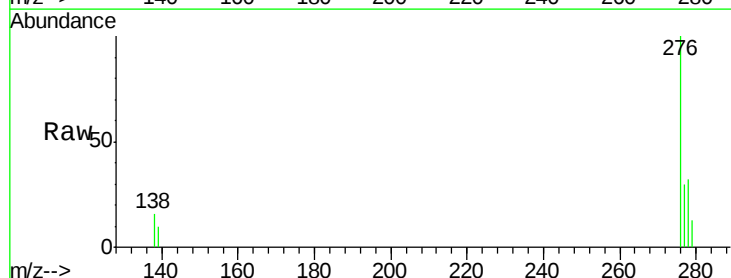
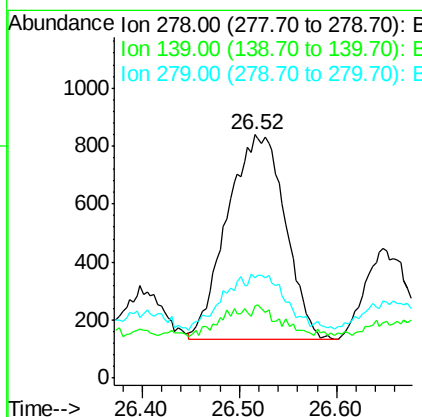
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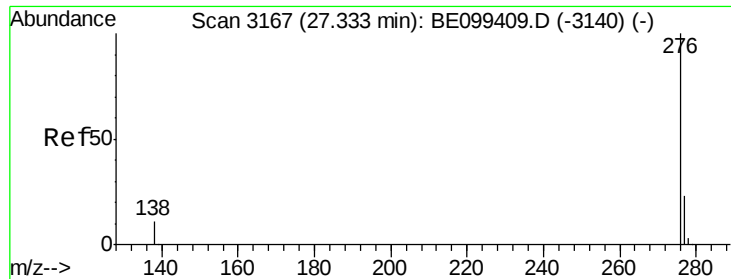
Sohil
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#38
Dibenzo(a,h)anthracene
Concen: 0.036 ng
RT: 26.52 min Scan# 2938
Delta R.T. -0.02 min
Lab File: BE099468.D
Acq: 1 May 2019 17:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.6	7.7	11.5
279	41.1	20.2	30.2





#39

Benzo(g,h,i)perylene

Concen: 0.128 ng

RT: 27.31 min Scan# 3162

Delta R.T. -0.02 min

Lab File: BE099468.D

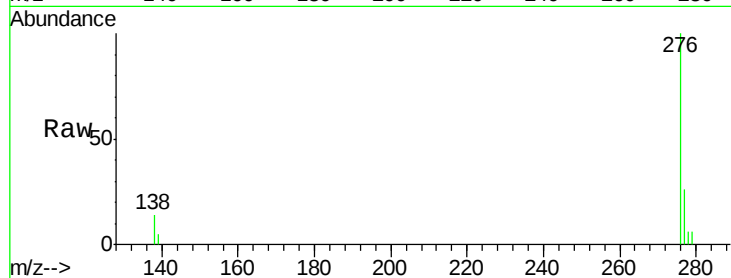
Acq: 1 May 2019 17:45

Instrument :

BNA_E

ClientSampleId :

PST-001-B014-042519



Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.5	29.3
138	14.0	9.6	14.4

Manual Integrations
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