

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
 Data File : BE099520.D
 Acq On : 3 May 2019 7:55
 Operator : JU/SJ
 Sample : K2589-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW017-042419

Manual Integrations
 APPROVED

Sohil
 5/4/2019 12:44:32 AM

Quant Time: May 03 23:42:33 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	7427	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5735	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	19348	0.40	ng	0.00
27) Chrysene-d12	21.37	240	24215	0.40	ng	0.00
34) Perylene-d12	23.87	264	27929	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	3014	0.54	ng	0.00
5) Phenol-d6	6.97	99	4348	0.58	ng	0.00
8) Nitrobenzene-d5	8.96	82	3579	0.51	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	6619	0.49	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	2869	0.79	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	10444	0.48	ng	-0.01
25) Fluoranthene-d10	19.22	212	141682	0.54	ng	0.00
29) Terphenyl-d14	19.82	244	29193	0.66	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.18	152	1083	0.039	ng	# 96
23) Phenanthrene	17.23	178	11372	0.228	ng	99
24) Anthracene	17.32	178	978	0.021	ng	# 88
26) Fluoranthene	19.25	202	29022	0.388	ng	99
28) Pyrene	19.62	202	30631	0.485	ng	96
30) Benzo(a)anthracene	21.35	228	16490m	0.214	ng	
31) Chrysene	21.40	228	20875	0.276	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.27	149	16676m	0.081	ng	
33) Indeno(1,2,3-cd)pyrene	26.52	276	11804	0.132	ng	97
35) Benzo(b)fluoranthene	23.10	252	23688	0.294	ng	# 86
36) Benzo(k)fluoranthene	23.15	252	8214m	0.106	ng	
37) Benzo(a)pyrene	23.76	252	15957	0.210	ng	# 88
38) Dibenzo(a,h)anthracene	26.53	278	3323	0.043	ng	# 45
39) Benzo(g,h,i)perylene	27.34	276	12114	0.155	ng	# 93

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

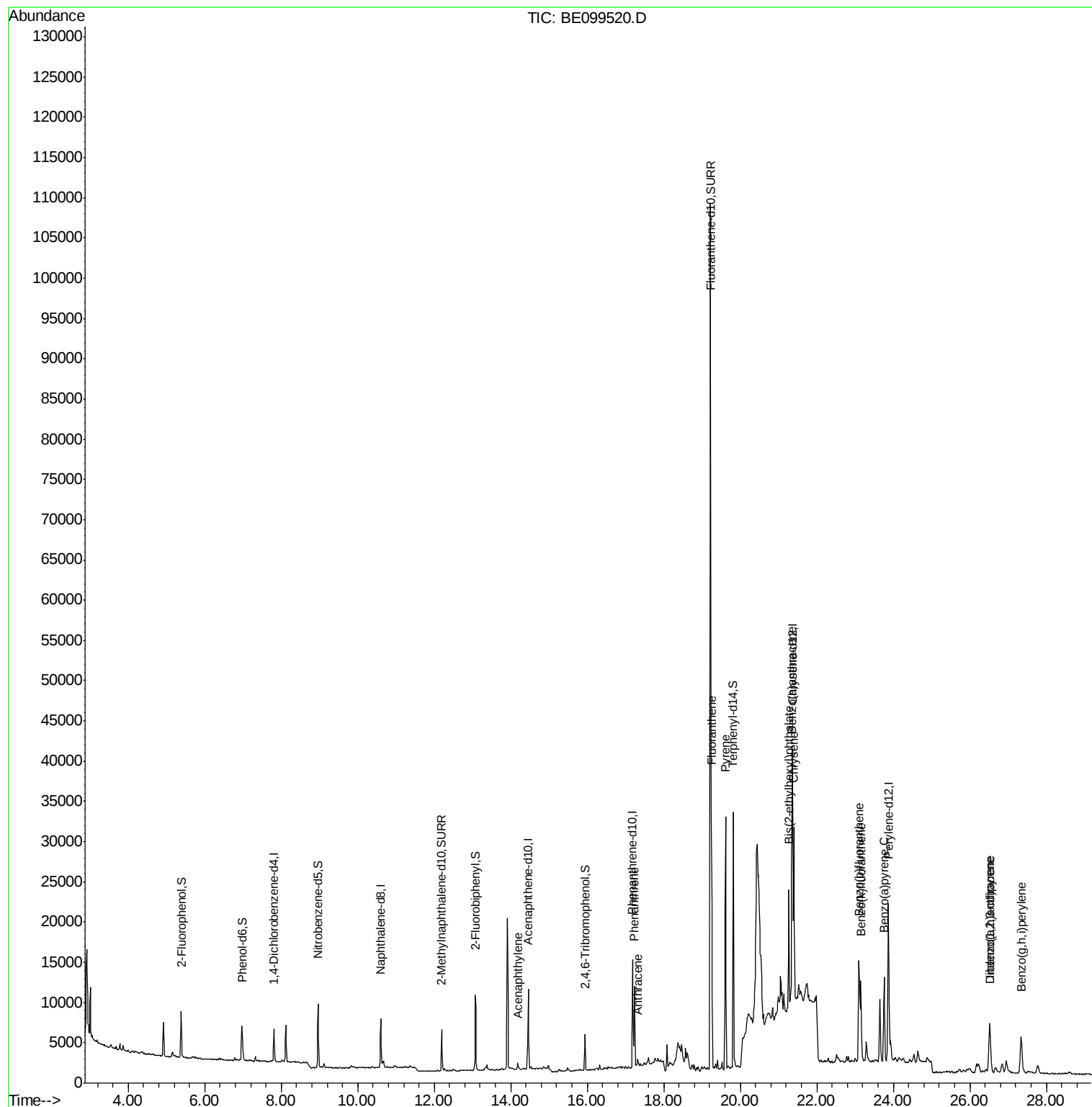
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099520.D

Acq: 3 May 2019 7:55

Instrument :

BNA_E

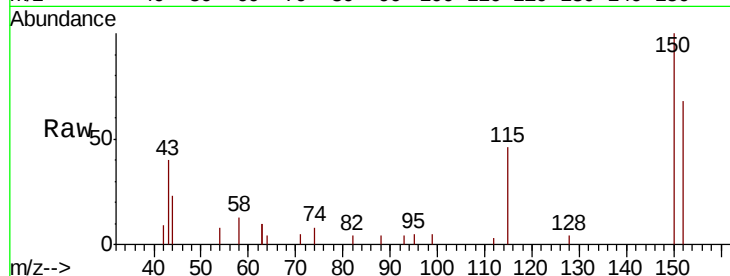
ClientSampleId :

PST-001-SW017-042419

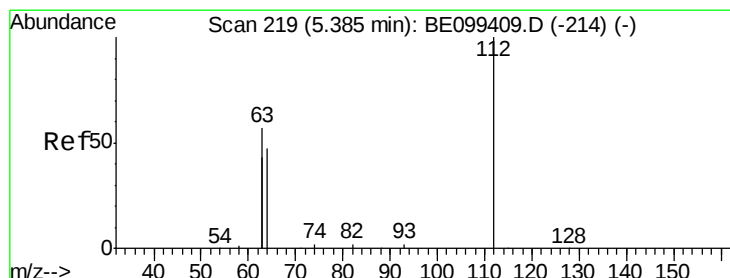
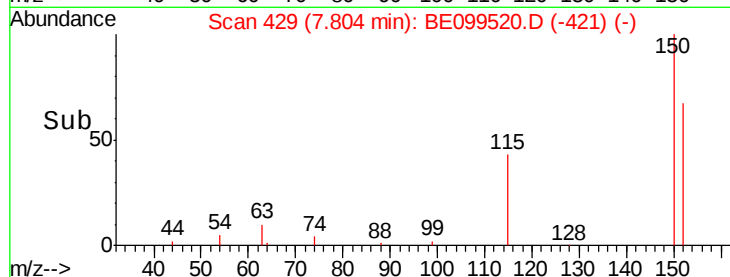
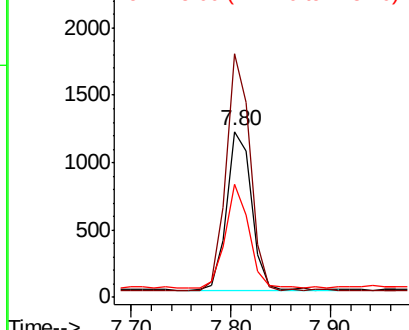
Tgt Ion:	152	Resp:	2033
Ion Ratio	Lower	Upper	
152	100		
150	146.9	104.8	157.2
115	68.0	46.6	69.8

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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: 0.536 ng

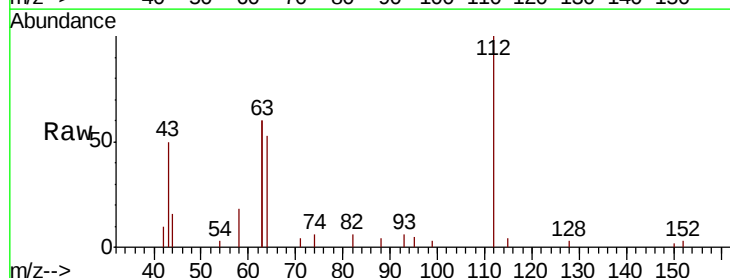
RT: 5.39 min Scan# 219

Delta R.T. -0.00 min

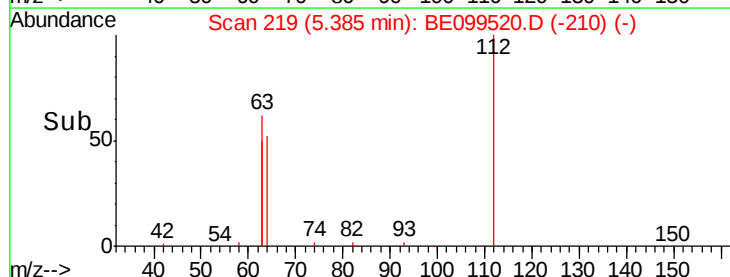
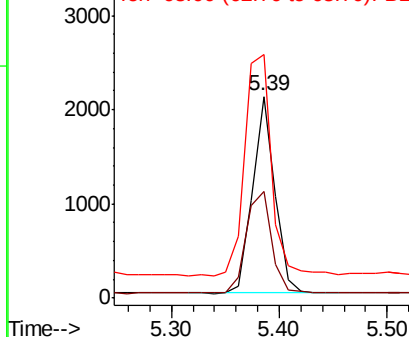
Lab File: BE099520.D

Acq: 3 May 2019 7:55

Tgt Ion:	112	Resp:	3014
Ion Ratio	Lower	Upper	
112	100		
64	58.7	47.4	71.0
63	133.8	104.3	156.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.582 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099520.D

Acq: 3 May 2019 7:55

Instrument :

BNA_E

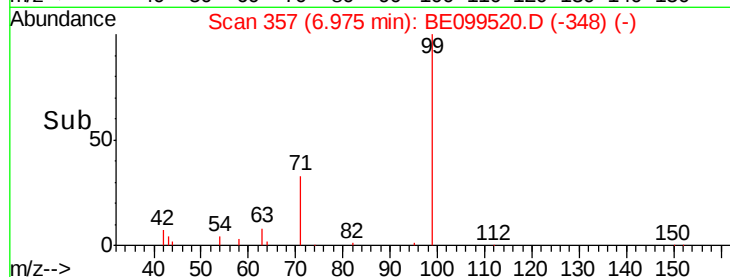
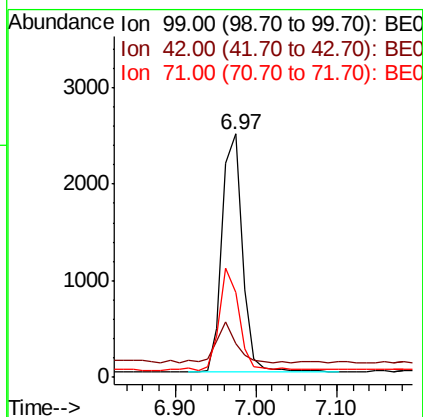
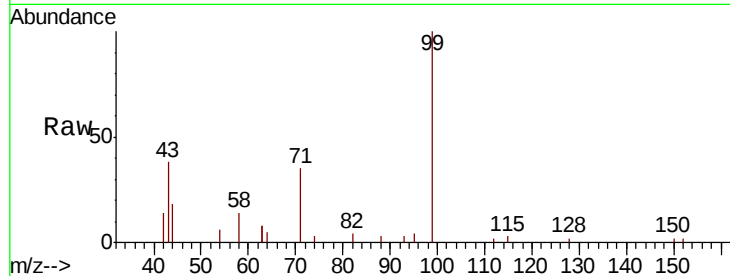
ClientSampleId :

PST-001-SW017-042419

Tgt Ion:	99	Resp:	4348
Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.9	22.3
71	41.7	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

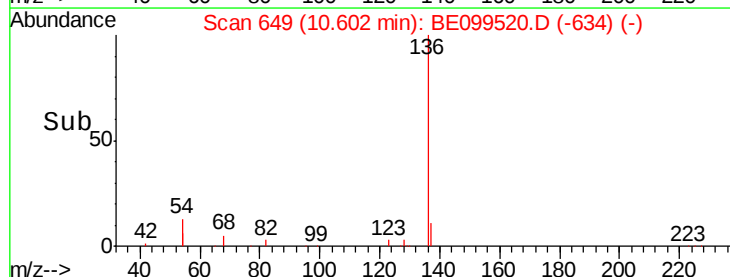
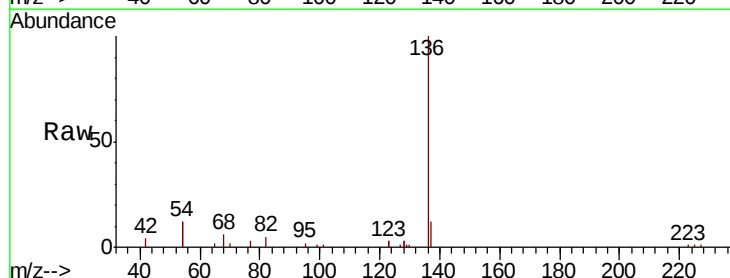
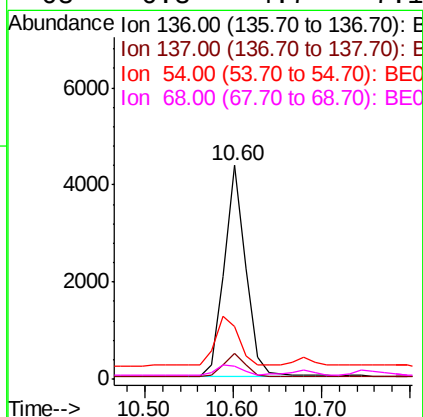
RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099520.D

Acq: 3 May 2019 7:55

Tgt Ion:	136	Resp:	7427
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.8	14.8
54	24.8	18.5	27.7
68	6.3	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.514 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099520.D

Acq: 3 May 2019 7:55

Instrument :

BNA_E

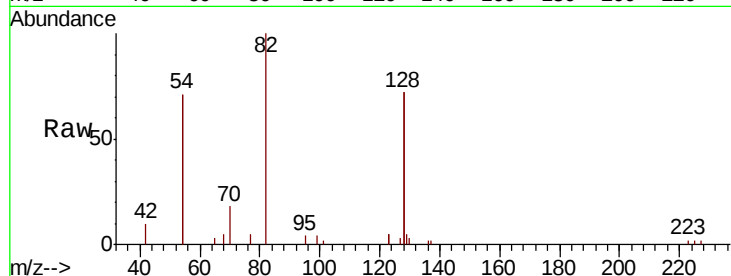
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PST-001-SW017-042419

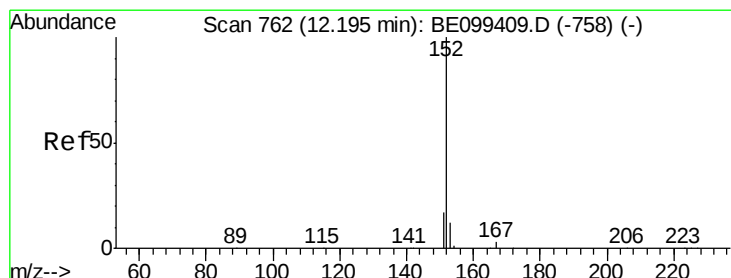
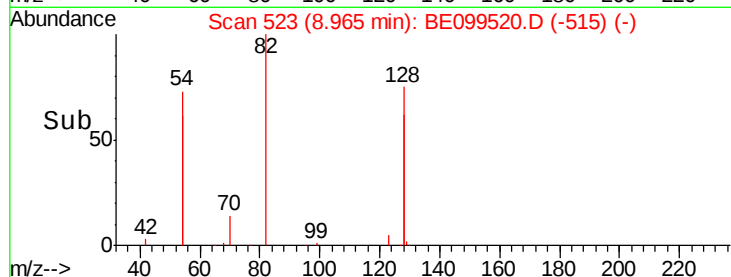
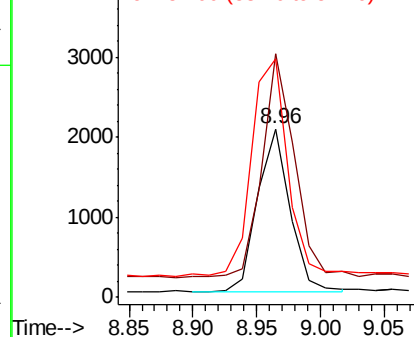
Tgt Ion:	82	Resp:	3579
Ion Ratio	Lower	Upper	
82	100		
128	144.4	107.0	160.4
54	141.2	113.1	169.7

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Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.495 ng

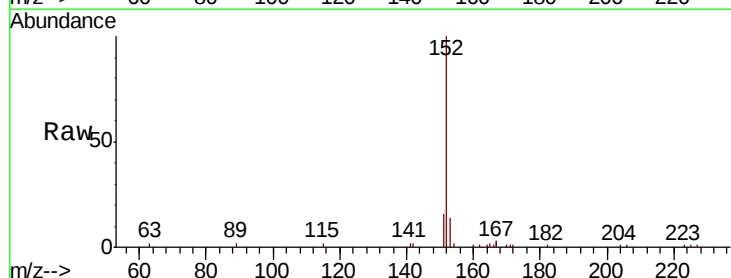
RT: 12.20 min Scan# 762

Delta R.T. -0.00 min

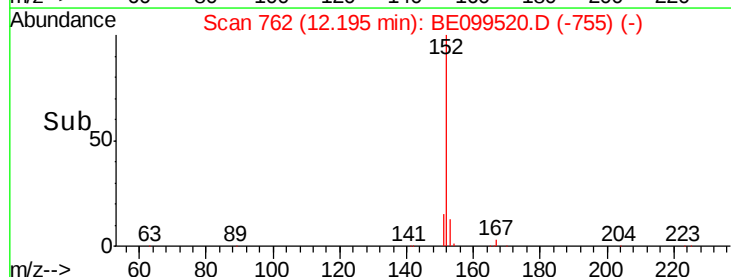
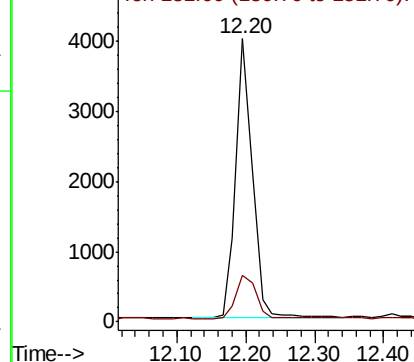
Lab File: BE099520.D

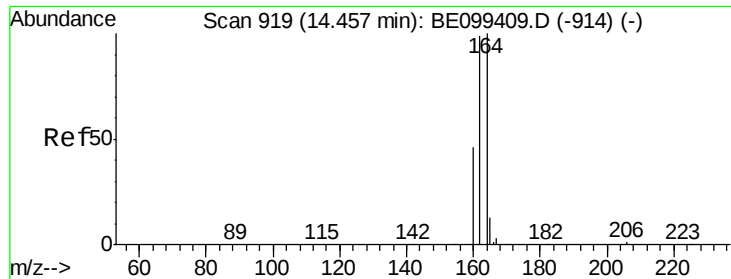
Acq: 3 May 2019 7:55

Tgt Ion:	152	Resp:	6619
Ion Ratio	Lower	Upper	
152	100		
151	19.1	15.5	23.3



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





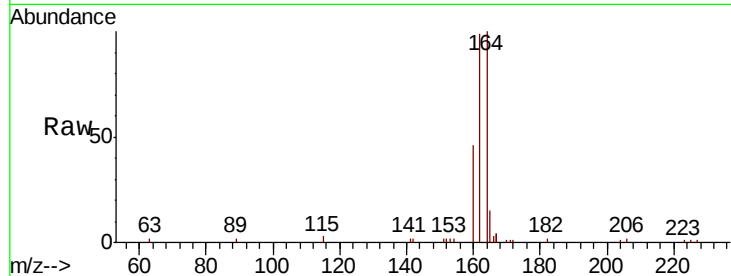
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099520.D
Acq: 3 May 2019 7:55

Instrument :
BNA_E
ClientSampleId :
PST-001-SW017-042419

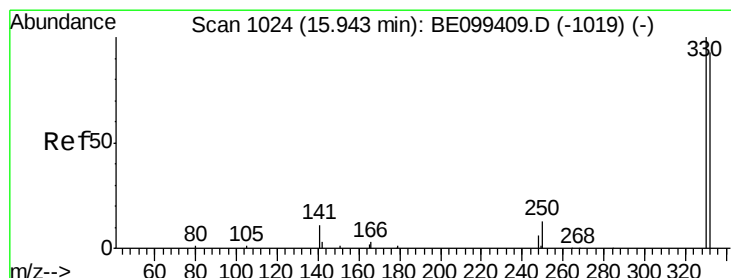
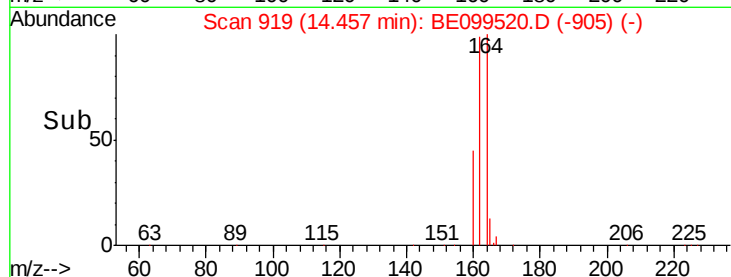
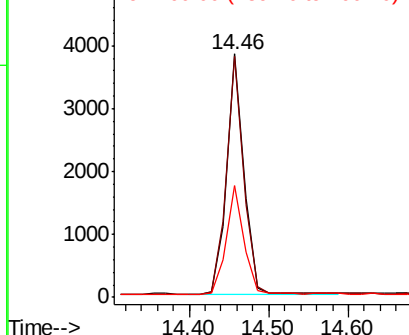
Tgt Ion:164 Resp: 5735
Ion Ratio Lower Upper
164 100
162 99.1 79.0 118.4
160 46.2 37.0 55.4

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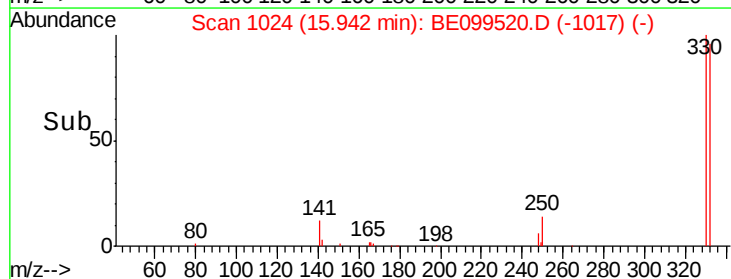
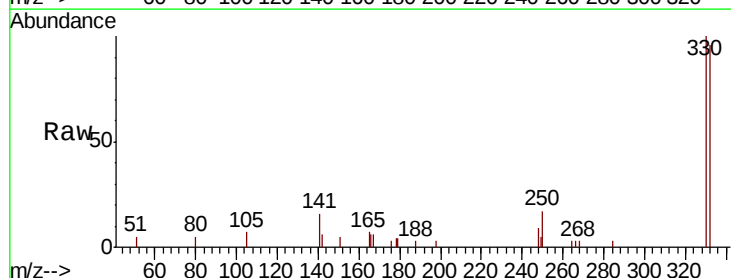
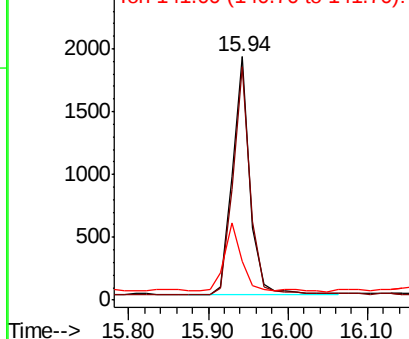
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

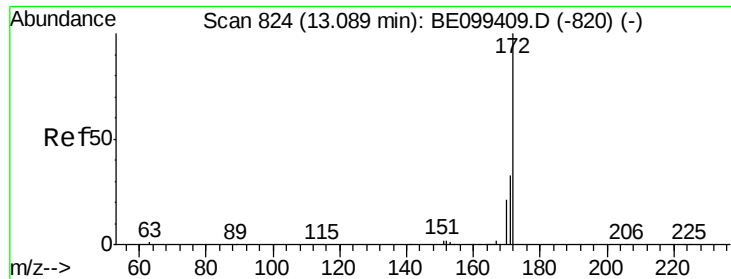


#14
2,4,6-Tribromophenol
Concen: 0.794 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE099520.D
Acq: 3 May 2019 7:55

Tgt Ion:330 Resp: 2869
Ion Ratio Lower Upper
330 100
332 95.6 71.5 107.3
141 27.3 24.0 36.0

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





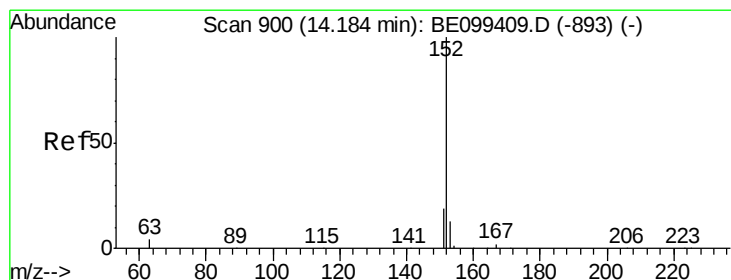
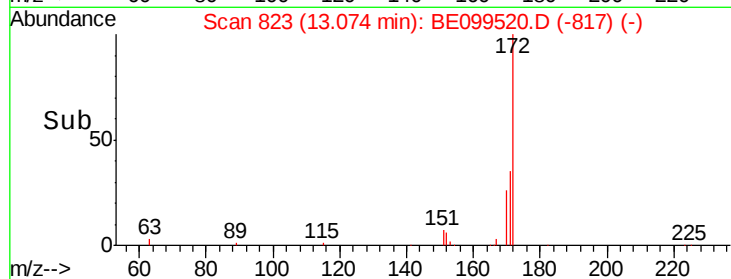
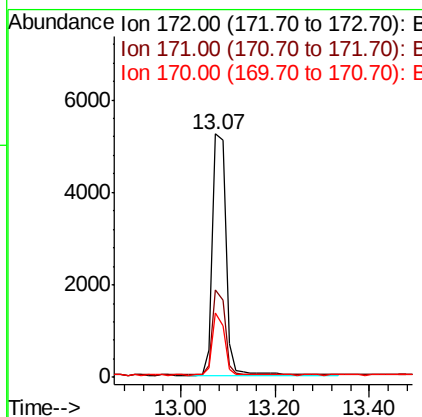
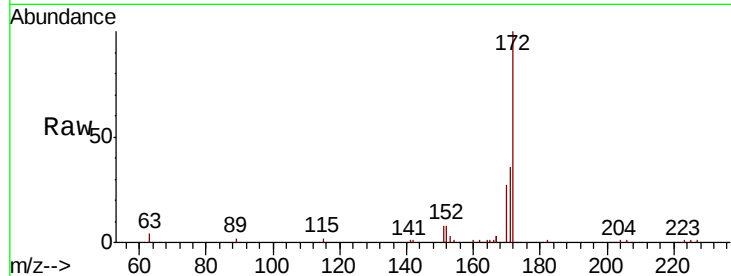
#15
 2-Fluorobiphenyl
 Concen: 0.477 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BE099520.D
 Acq: 3 May 2019 7:55

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Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	26.6	39.8
170	26.5	17.0	25.6

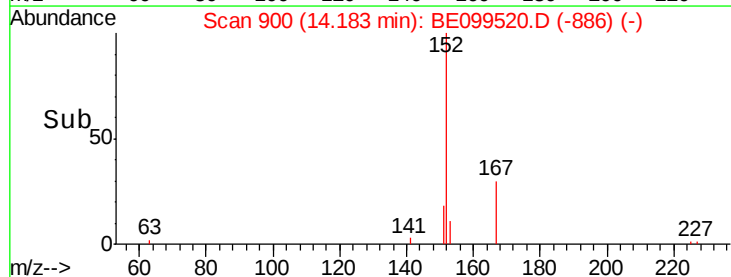
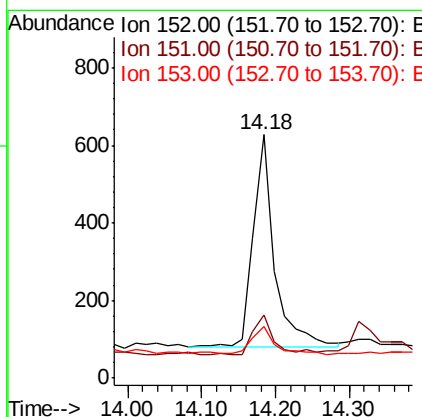
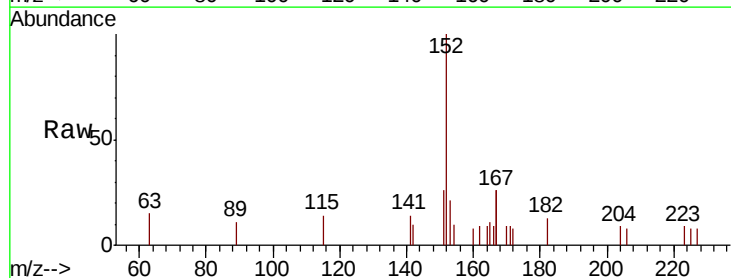
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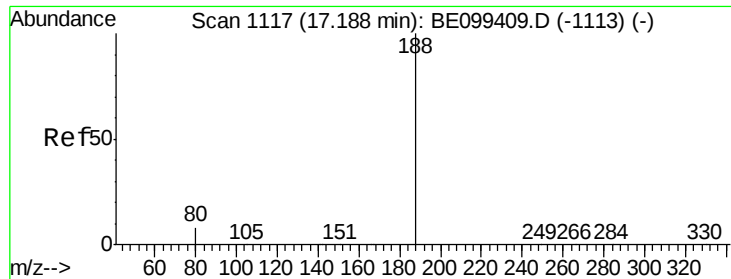
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#16
 Acenaphthylene
 Concen: 0.039 ng
 RT: 14.18 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: BE099520.D
 Acq: 3 May 2019 7:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	15.6	9.8	14.6





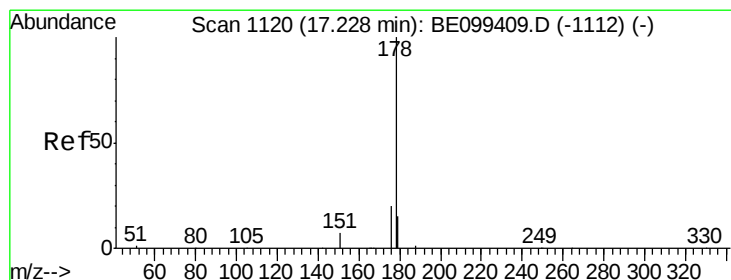
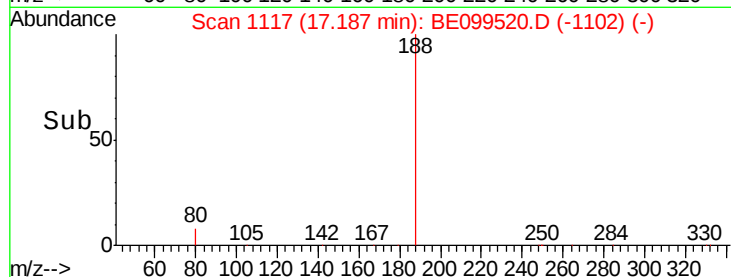
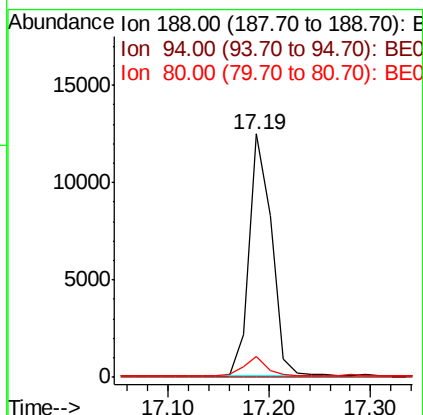
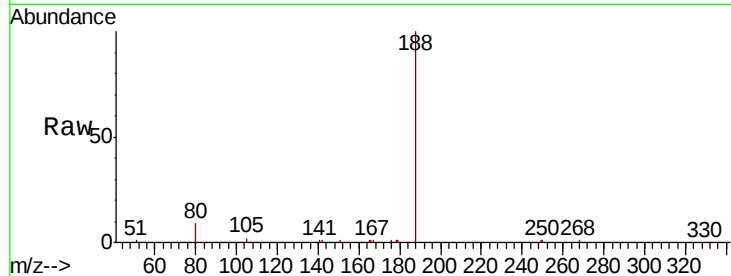
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE099520.D
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	19348		
94	0.0	0.0	0.0	0.0
80	8.6	6.7	10.1	

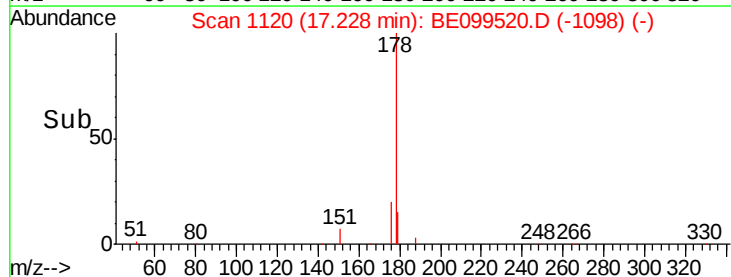
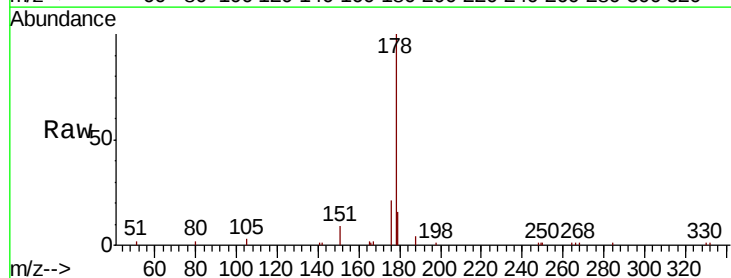
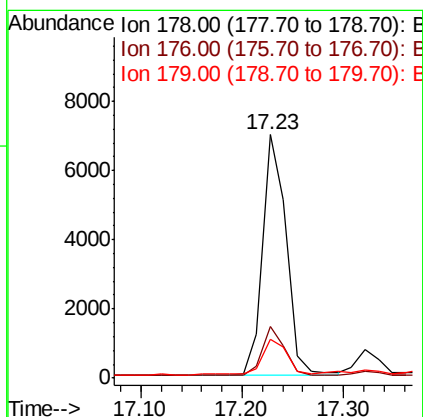
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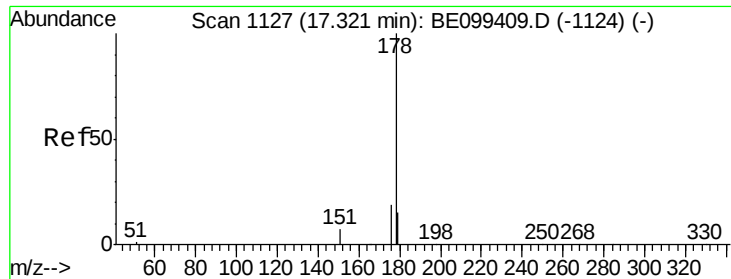
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#23
Phenanthrene
Concen: 0.228 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099520.D
Acq: 3 May 2019 7:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	11372		
176	19.5	15.6	23.4	
179	15.6	12.0	18.0	





#24

Anthracene

Concen: 0.021 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099520.D

Acq: 3 May 2019 7:55

Instrument :

BNA_E

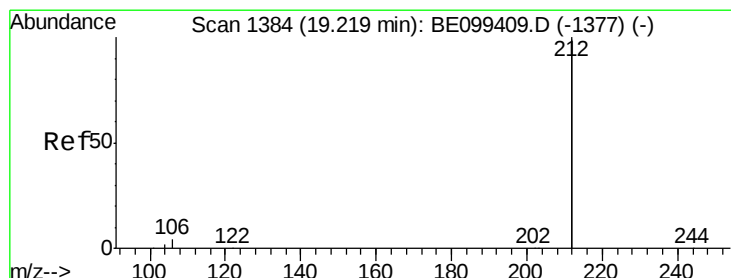
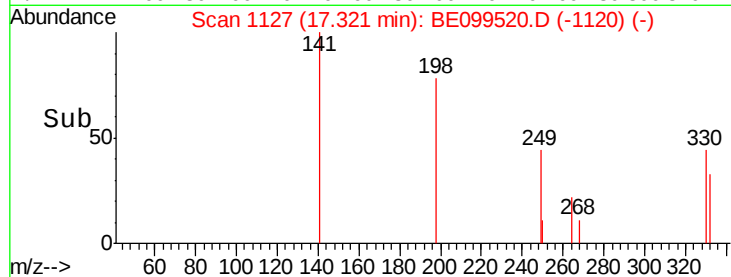
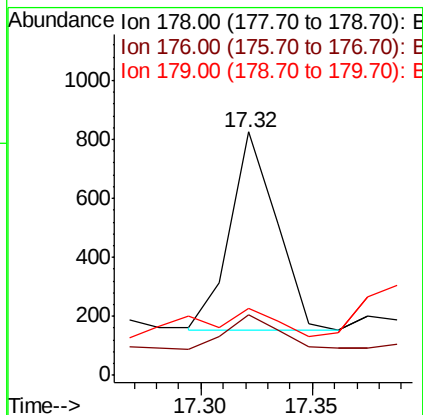
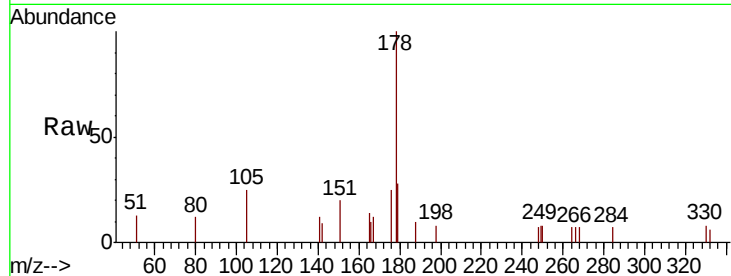
ClientSampleId :

PST-001-SW017-042419

Tgt Ion:	178	Resp:	978
Ion Ratio	Lower	Upper	
178	100		
176	20.3	14.9	22.3
179	24.1	11.9	17.9

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#25

Fluoranthene-d10

Concen: 0.543 ng

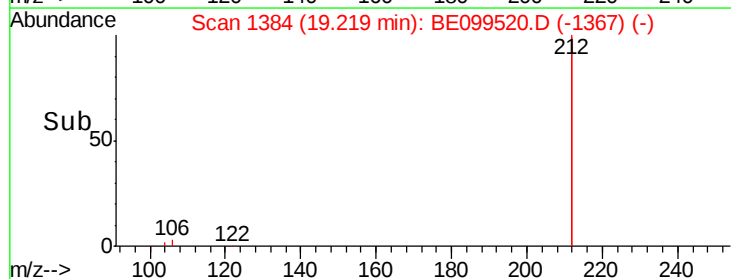
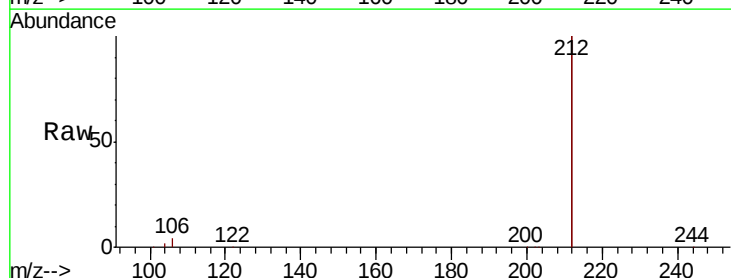
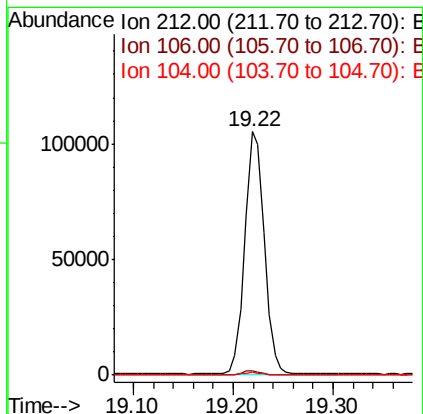
RT: 19.22 min Scan# 1384

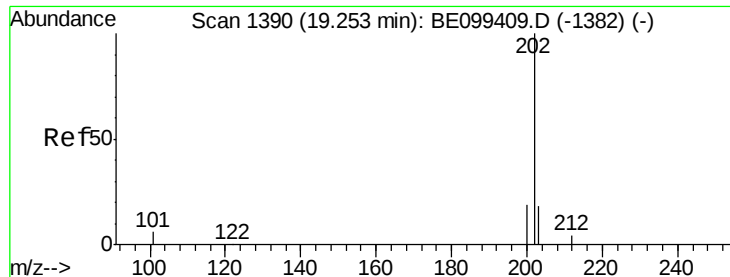
Delta R.T. -0.00 min

Lab File: BE099520.D

Acq: 3 May 2019 7:55

Tgt Ion:	212	Resp:	141682
Ion Ratio	Lower	Upper	
212	100		
106	1.7	1.5	2.3
104	1.2	0.9	1.3





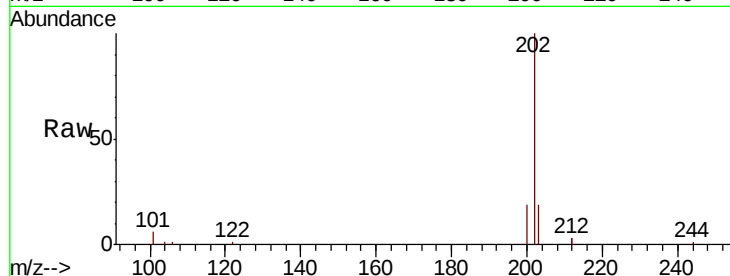
#26
Fluoranthene
Concen: 0.388 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.00 min
Lab File: BE099520.D
Acq: 3 May 2019 7:55

Instrument :
BNA_E
ClientSampleId :
PST-001-SW017-042419

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	6.8	5.4	8.0
203	17.7	13.9	20.9

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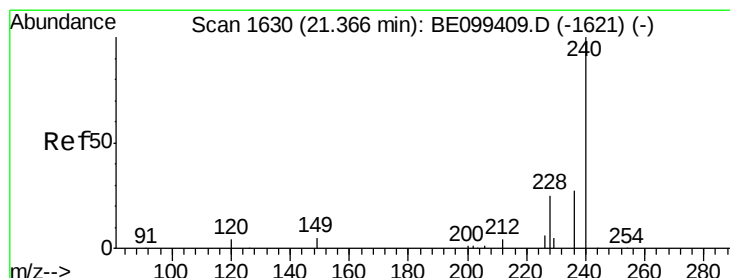
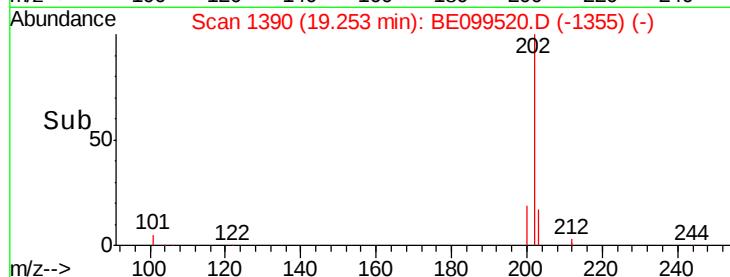
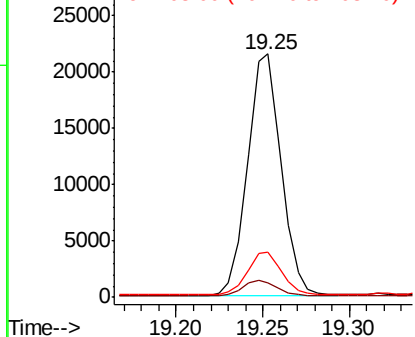


Abundance

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: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099520.D
Acq: 3 May 2019 7:55

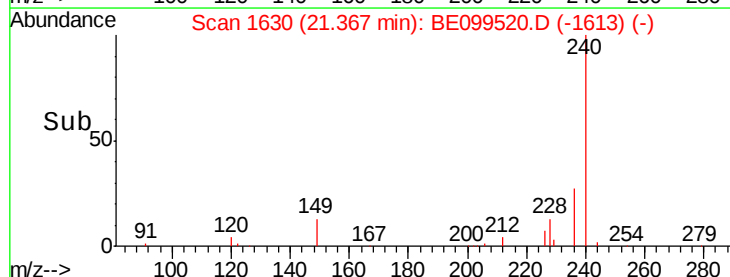
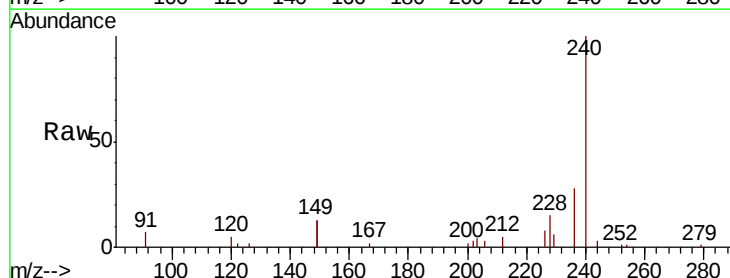
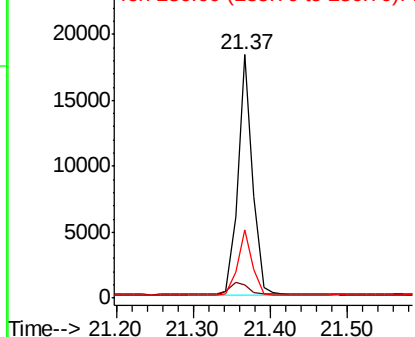
Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	5.3	4.0	6.0
236	28.2	22.0	33.0

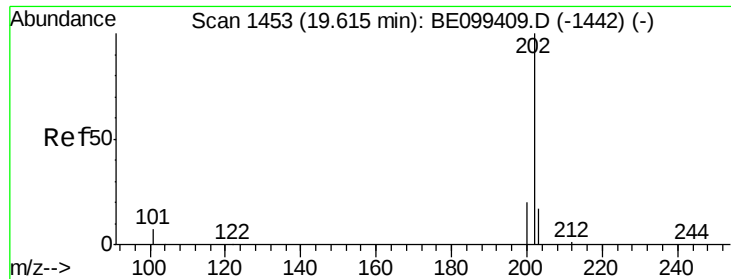
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





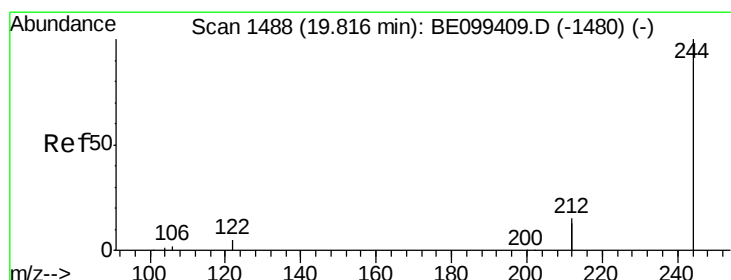
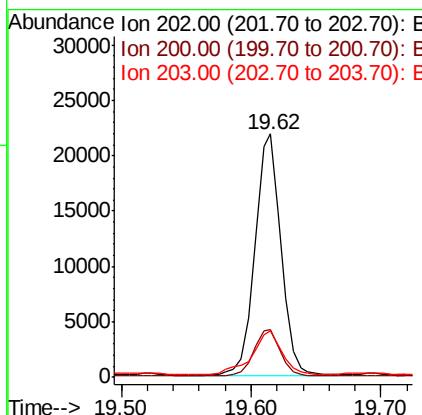
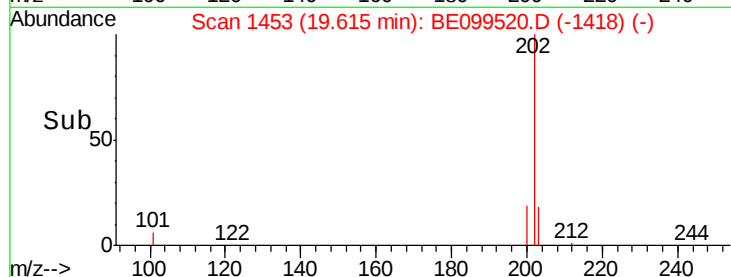
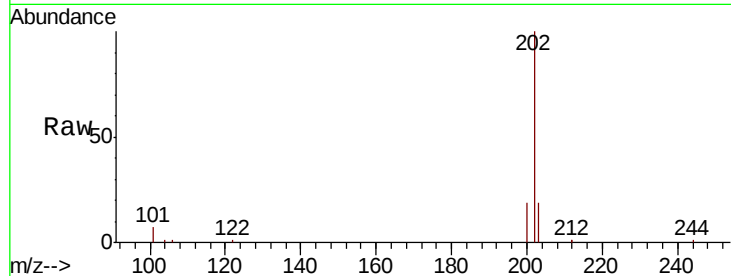
#28
 Pyrene
 Concen: 0.485 ng
 RT: 19.62 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BE099520.D
 Acq: 3 May 2019 7:55

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW017-042419

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.5	15.7	23.5	
203	20.7	13.9	20.9	

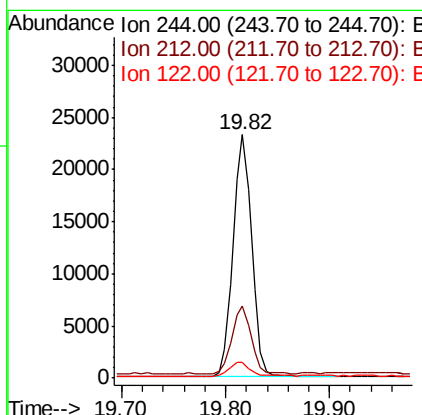
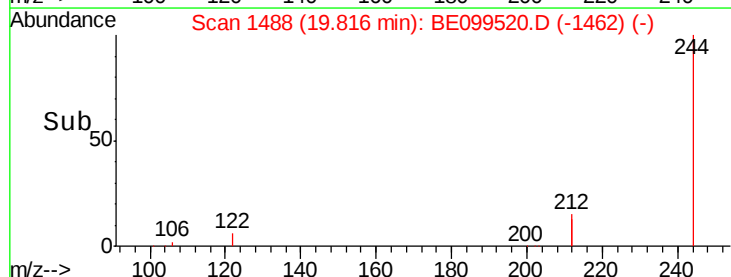
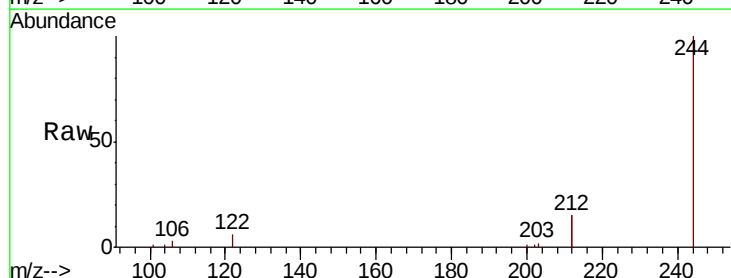
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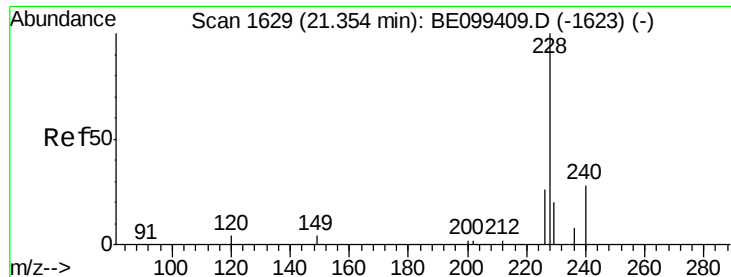
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#29
 Terphenyl-d14
 Concen: 0.658 ng
 RT: 19.82 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: BE099520.D
 Acq: 3 May 2019 7:55

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	29.8	23.2	34.8	
122	6.3	4.2	6.4	





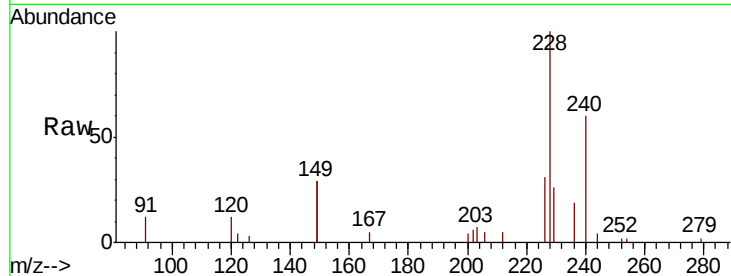
#30
Benzo(a)anthracene
Concen: 0.214 ng m
RT: 21.35 min Scan# 1629
Delta R.T. 0.00 min
Lab File: BE099520.D
Acq: 3 May 2019 7:55

Instrument :
BNA_E
ClientSampleId :
PST-001-SW017-042419

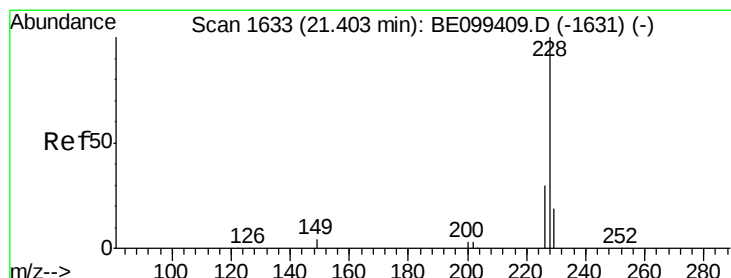
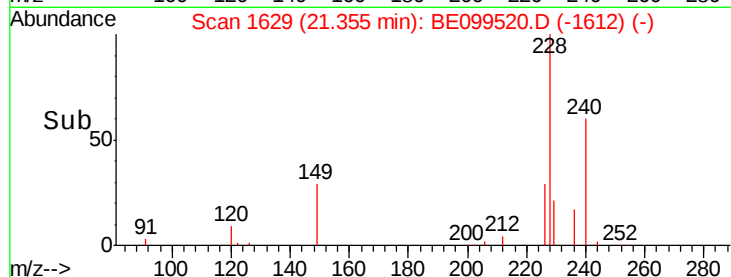
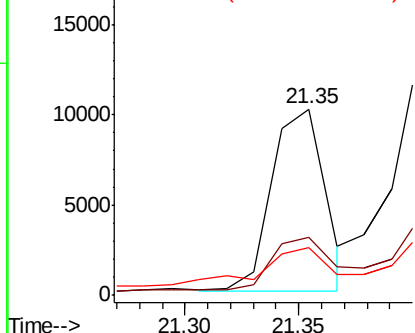
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	21.0	31.6
229	25.6	16.6	25.0

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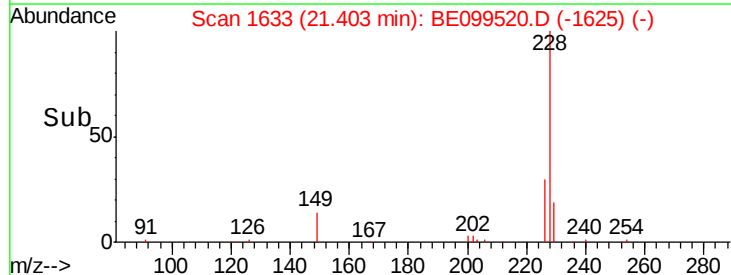
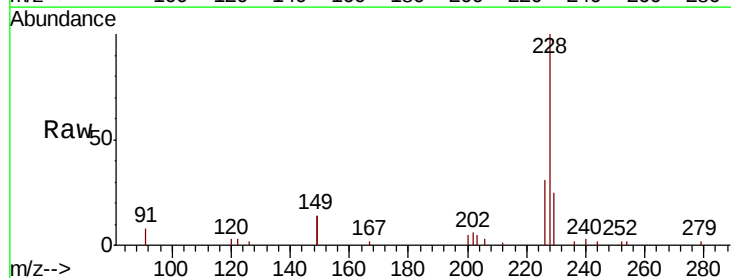
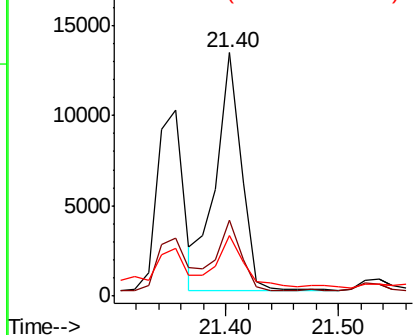
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

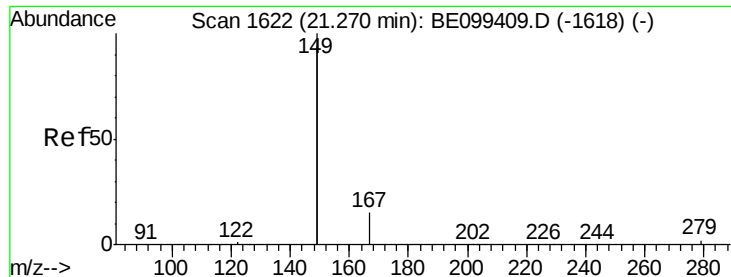


#31
Chrysene
Concen: 0.276 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099520.D
Acq: 3 May 2019 7:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.0	36.0
229	24.7	15.8	23.8

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





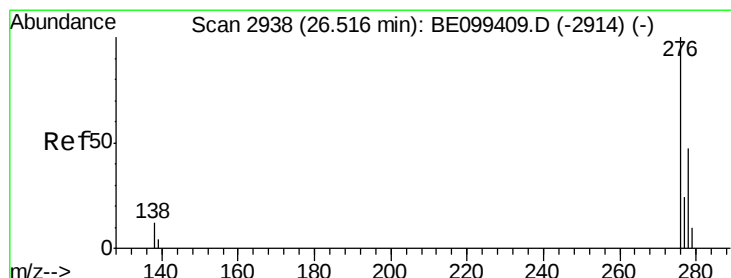
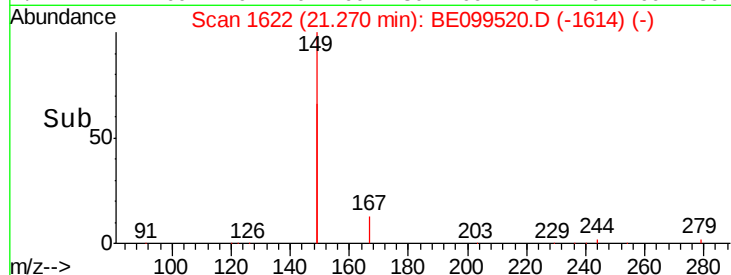
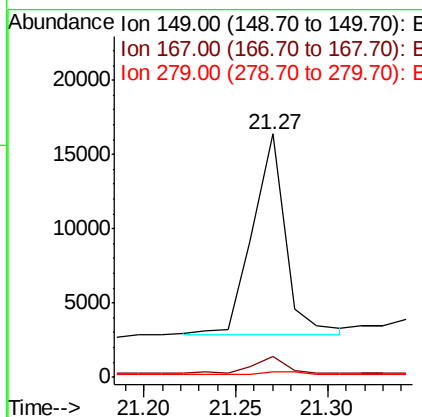
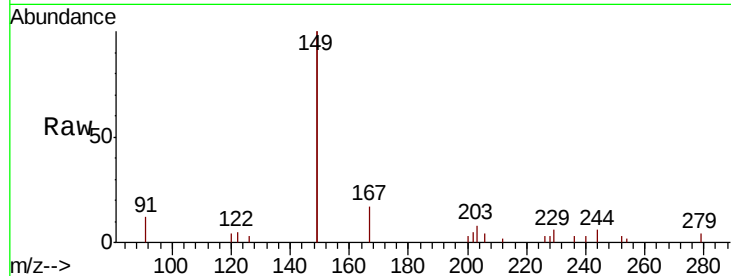
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.081 ng m
 RT: 21.27 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE099520.D
 Acq: 3 May 2019 7:55

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW017-042419

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	1.3	5.8	8.6#
279	0.2	1.0	1.6#

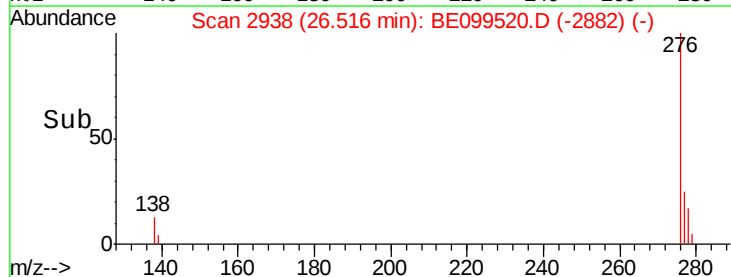
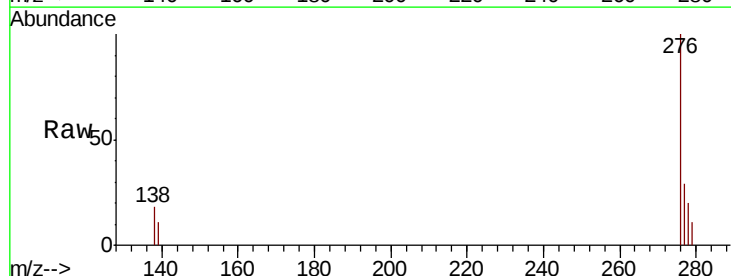
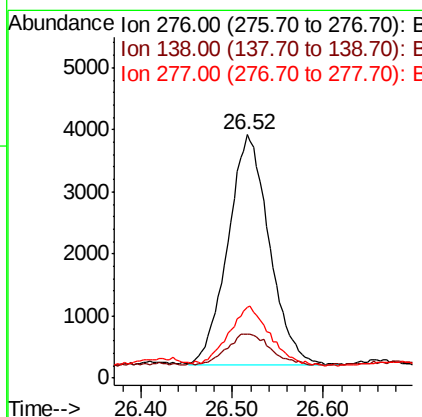
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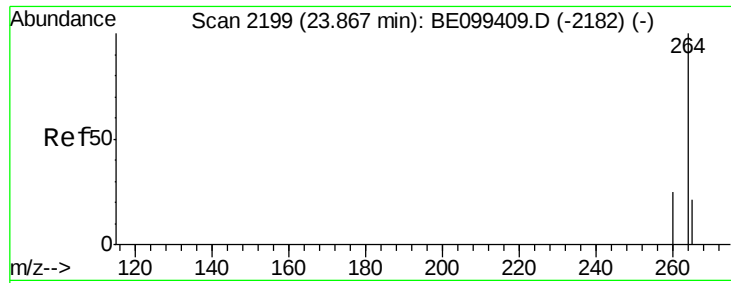
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.132 ng
 RT: 26.52 min Scan# 2938
 Delta R.T. -0.00 min
 Lab File: BE099520.D
 Acq: 3 May 2019 7:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	14.1	10.2	15.2
277	25.5	19.2	28.8





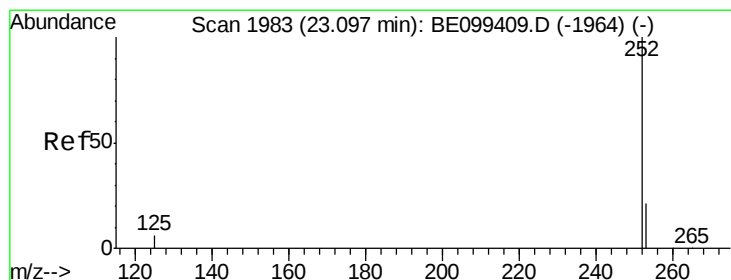
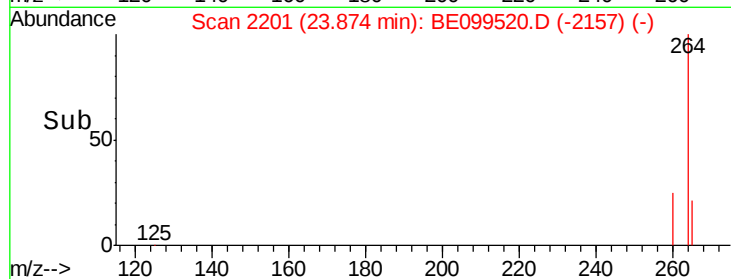
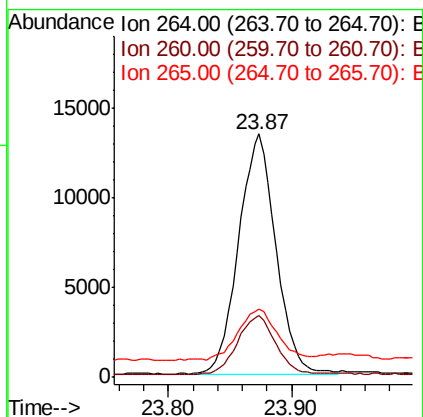
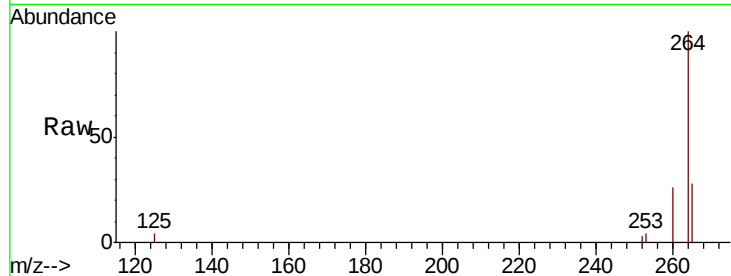
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: BE099520.D
 Acq: 3 May 2019 7:55

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-SW017-042419

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	27929		
260	25.5		20.2	30.2
265	28.2		21.3	31.9

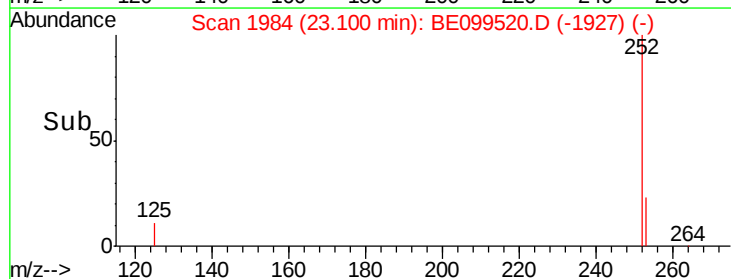
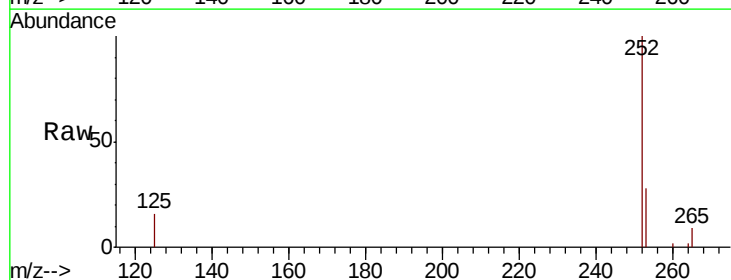
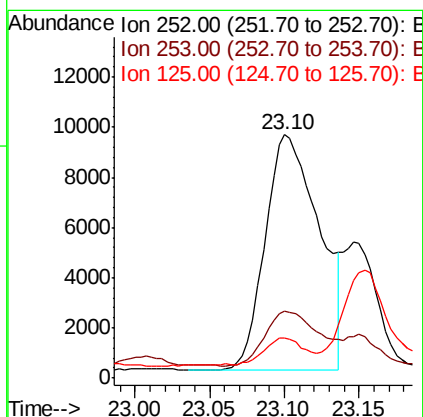
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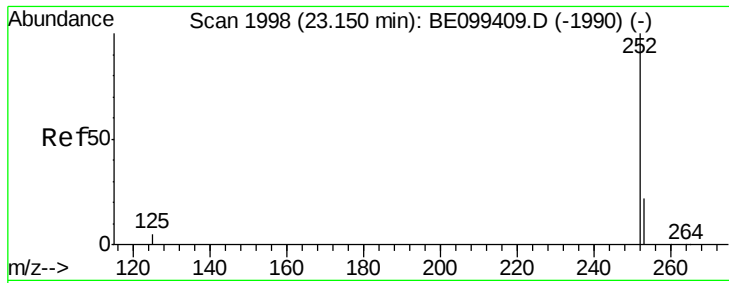
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#35
 Benzo(b)fluoranthene
 Concen: 0.294 ng
 RT: 23.10 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: BE099520.D
 Acq: 3 May 2019 7:55

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	23688		
253	27.5		18.1	27.1#
125	16.2		5.6	8.4#





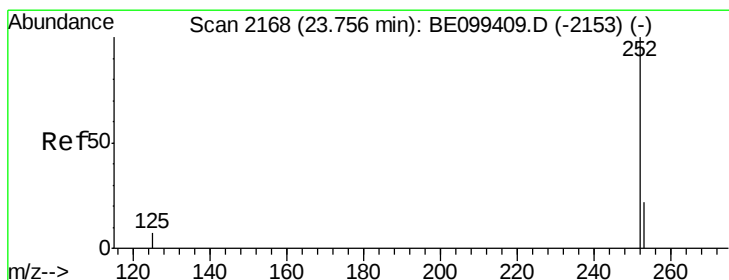
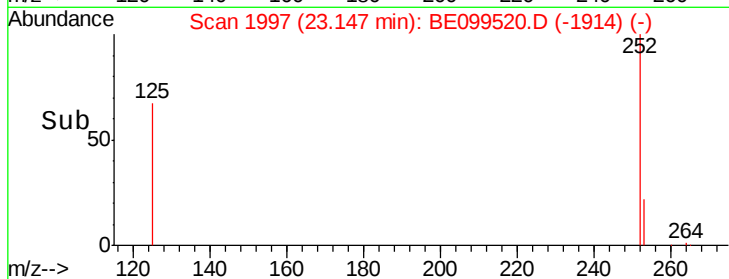
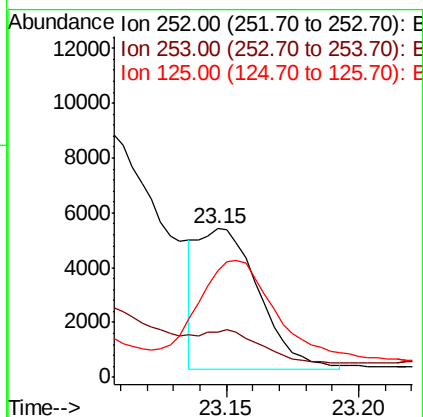
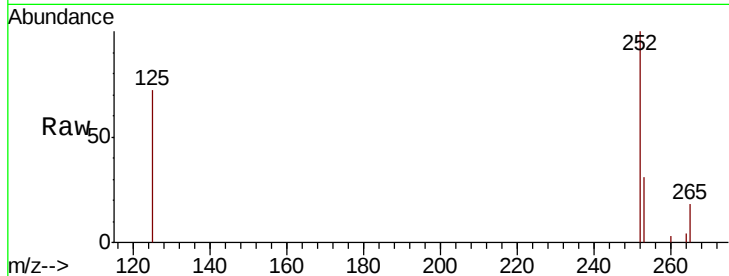
#36
Benzo(k)fluoranthene
Concen: 0.106 ng m
RT: 23.15 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BE099520.D
Acq: 3 May 2019 7:55

Instrument :
BNA_E
ClientSampleId :
PST-001-SW017-042419

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.5	18.4	27.6#
125	72.2	5.0	7.4#

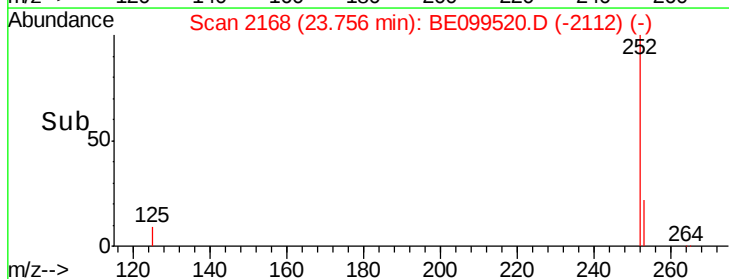
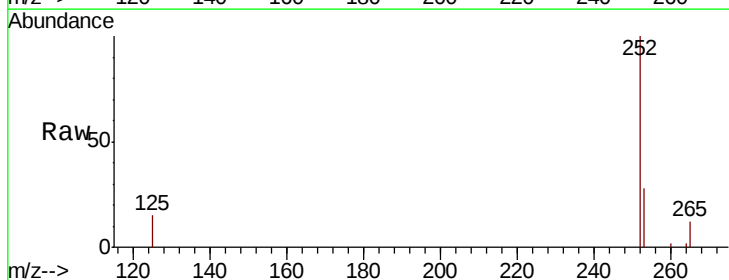
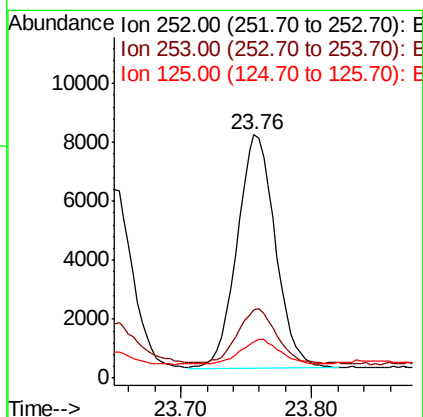
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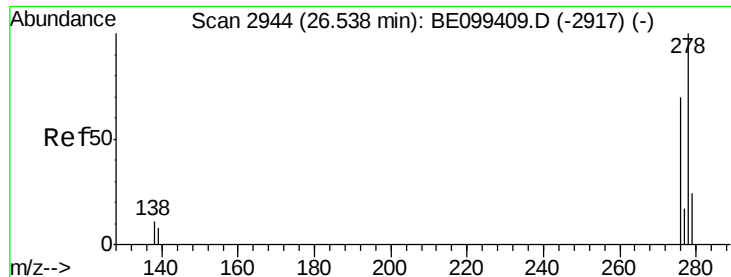
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#37
Benzo(a)pyrene
Concen: 0.210 ng
RT: 23.76 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BE099520.D
Acq: 3 May 2019 7:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	18.9	28.3
125	14.8	6.7	10.1#





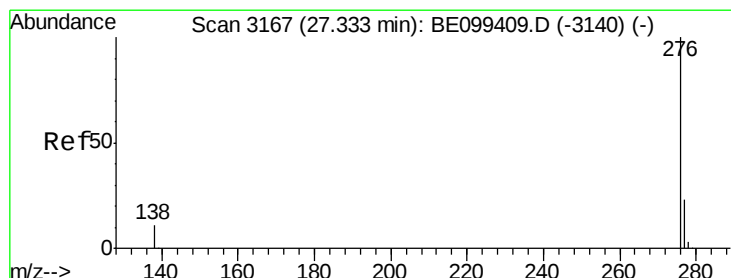
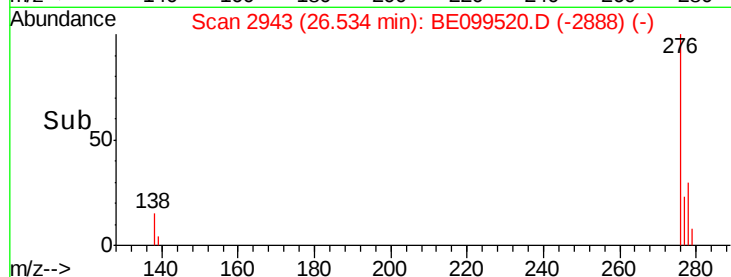
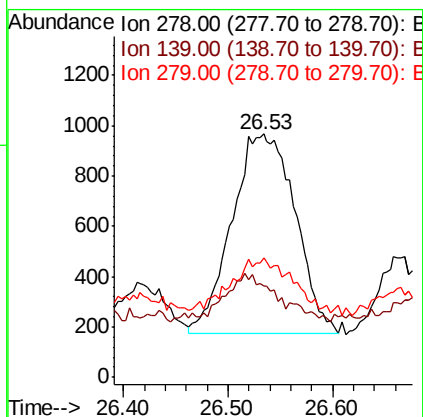
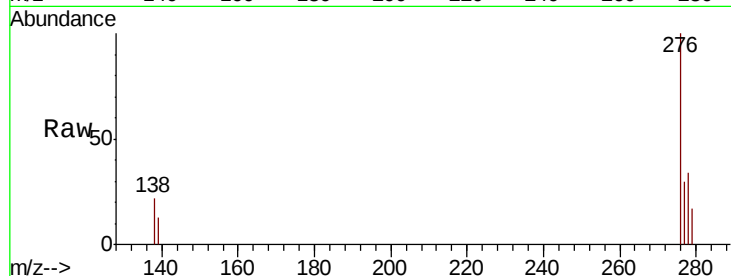
#38
Dibenzo(a,h)anthracene
Concen: 0.043 ng
RT: 26.53 min Scan# 2943
Delta R.T. -0.00 min
Lab File: BE099520.D
Acq: 3 May 2019 7:55

Instrument :
BNA_E
ClientSampleId :
PST-001-SW017-042419

Tgt Ion	Ratio	Lower	Upper
278	100		
139	37.4	7.7	11.5#
279	49.2	20.2	30.2#

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#39
Benzo(g,h,i)perylene
Concen: 0.155 ng
RT: 27.34 min Scan# 3169
Delta R.T. 0.01 min
Lab File: BE099520.D
Acq: 3 May 2019 7:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.5	29.3
138	15.6	9.6	14.4#

