

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
 Data File : BE099519.D
 Acq On : 3 May 2019 7:19
 Operator : JU/SJ
 Sample : K2589-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B191-042419

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:24:21 PM

Quant Time: May 03 08:56:02 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	1980	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	7387	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5854	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	19529	0.40	ng	0.00
27) Chrysene-d12	21.37	240	24138	0.40	ng	0.00
34) Perylene-d12	23.87	264	27911	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	1758	0.32	ng	0.00
5) Phenol-d6	6.98	99	2465	0.34	ng	0.00
8) Nitrobenzene-d5	8.96	82	2020	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	3716	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1422	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	5445	0.24	ng	0.00
25) Fluoranthene-d10	19.22	212	61312	0.23	ng	0.00
29) Terphenyl-d14	19.82	244	12059	0.27	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.23	178	7583	0.150	ng	98
26) Fluoranthene	19.25	202	18113	0.240	ng	# 98
28) Pyrene	19.62	202	17829	0.283	ng	96
30) Benzo(a)anthracene	21.36	228	9622	0.125	ng	# 83
31) Chrysene	21.40	228	11855	0.158	ng	# 89
32) Bis(2-ethylhexyl)phthalate	21.27	149	22782	0.138	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.52	276	7143	0.080	ng	# 95
35) Benzo(b)fluoranthene	23.10	252	14754	0.183	ng	# 1
36) Benzo(k)fluoranthene	23.15	252	6794m	0.088	ng	
37) Benzo(a)pyrene	23.76	252	9645	0.127	ng	# 41
38) Dibenzo(a,h)anthracene	26.54	278	1851	0.024	ng	# 1
39) Benzo(g,h,i)perylene	27.34	276	7211	0.092	ng	# 83

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

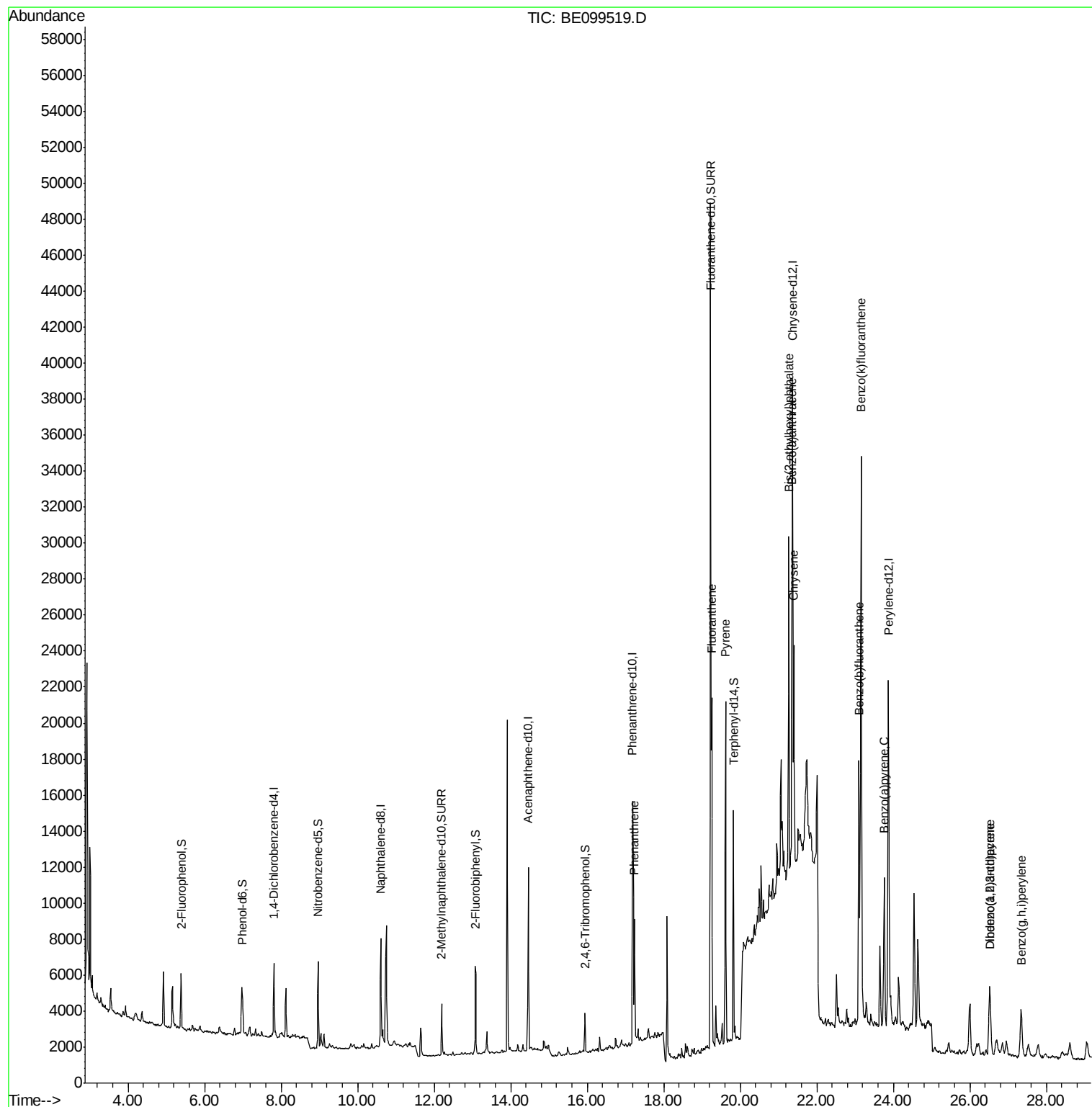
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
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#1

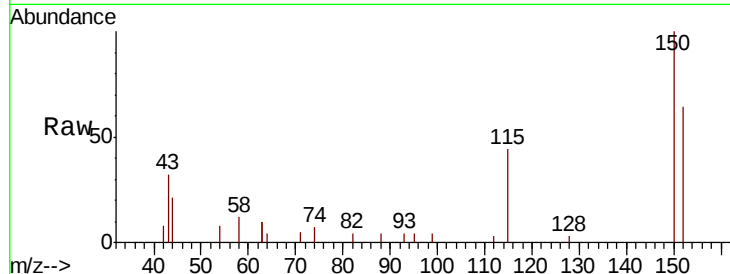
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099519.D
Acq: 3 May 2019 7:19

Instrument :
BNA_E
ClientSampleId :
PST-001-B191-042419

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.5	104.8	157.2
115	68.7	46.6	69.8

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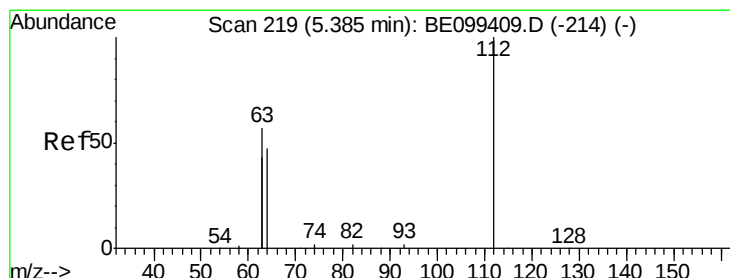
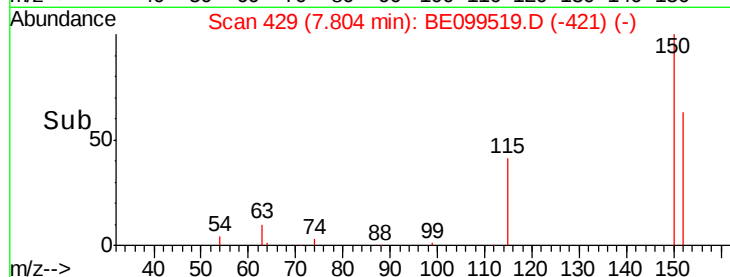
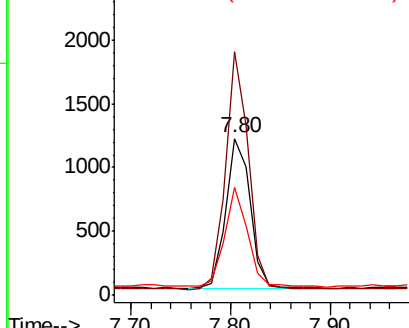


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

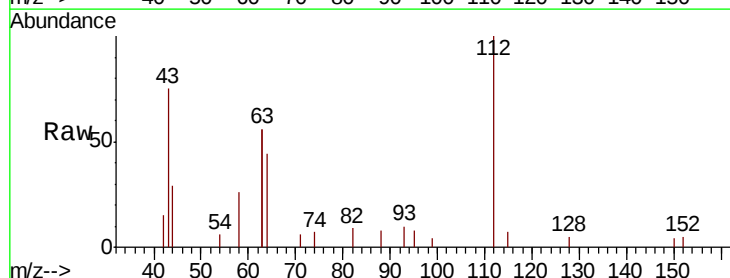
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.321 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099519.D
Acq: 3 May 2019 7:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	47.4	71.0
63	125.4	104.3	156.5

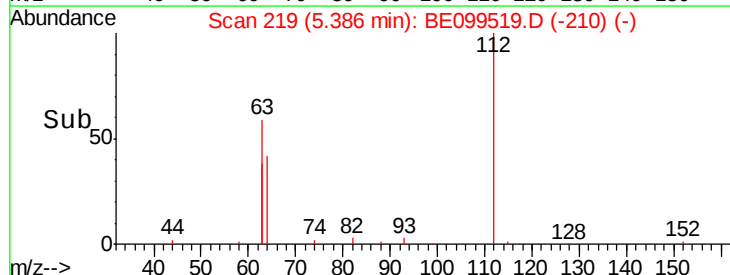
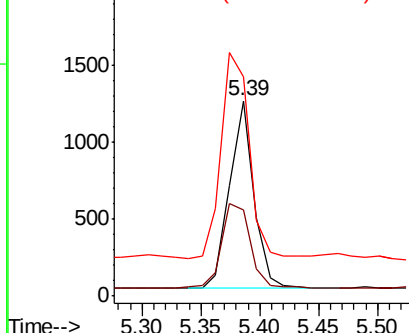


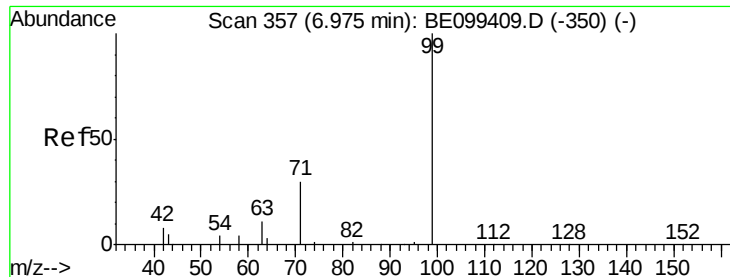
Abundance

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: 0.339 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099519.D

Acq: 3 May 2019 7:19

Instrument :

BNA_E

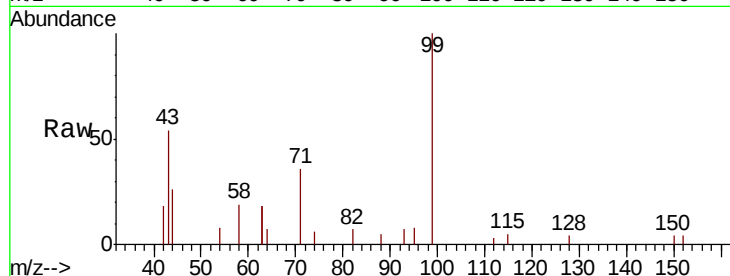
ClientSampleId :

PST-001-B191-042419

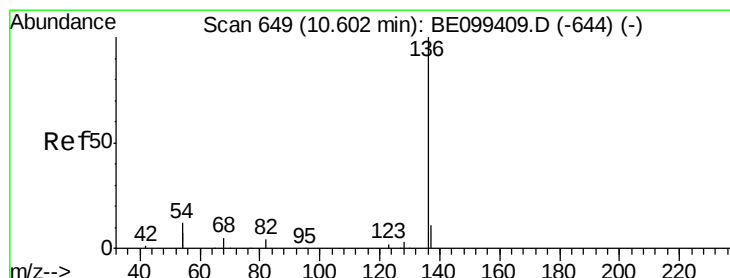
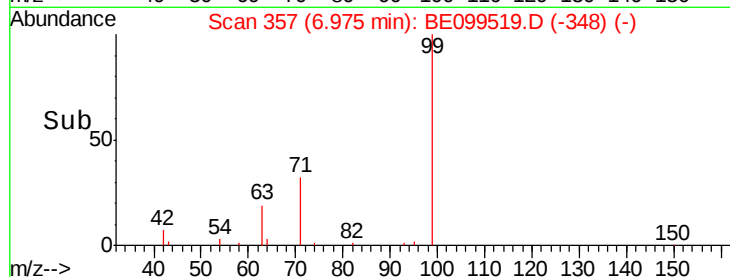
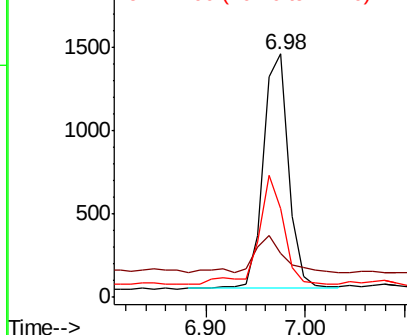
Tgt Ion:	99	Resp:	2465
Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.9	22.3
71	46.1	33.0	49.6

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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

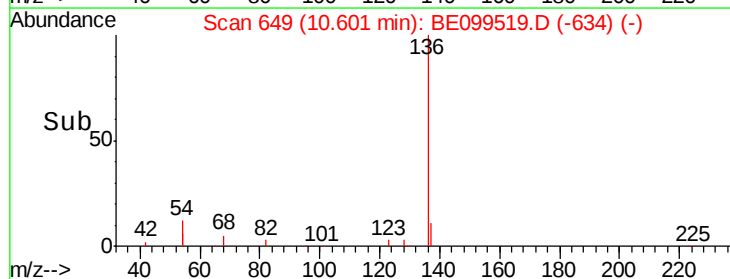
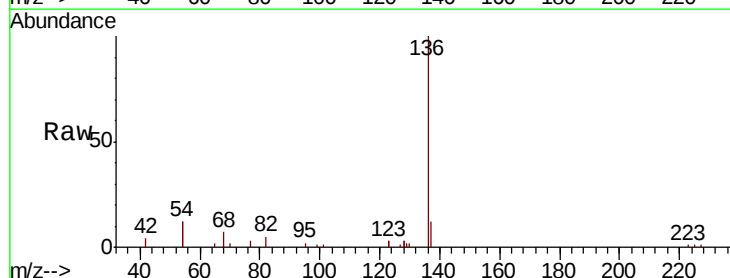
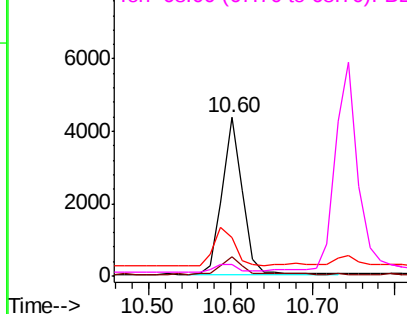
Delta R.T. -0.00 min

Lab File: BE099519.D

Acq: 3 May 2019 7:19

Tgt Ion:	136	Resp:	7387
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.8	14.8
54	24.5	18.5	27.7
68	7.3	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: 0.292 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099519.D

Acq: 3 May 2019 7:19

Instrument :

BNA_E

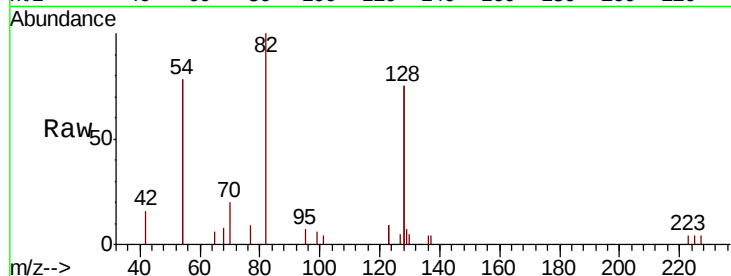
ClientSampleId :

PST-001-B191-042419

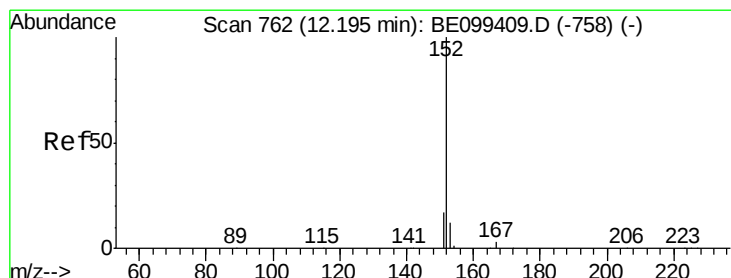
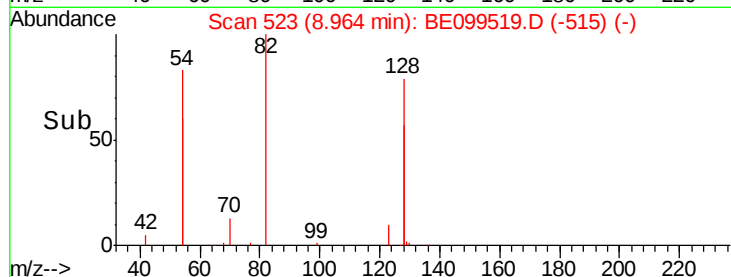
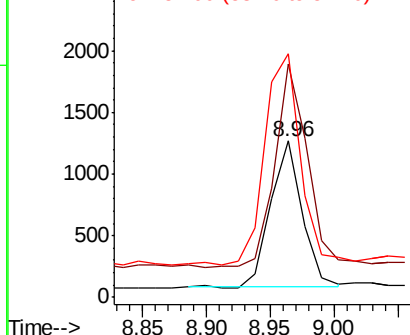
Tgt Ion:	82	Resp:	2020
Ion	Ratio	Lower	Upper
82	100		
128	149.2	107.0	160.4
54	156.0	113.1	169.7

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



#11

2-Methylnaphthalene-d10

Concen: 0.279 ng

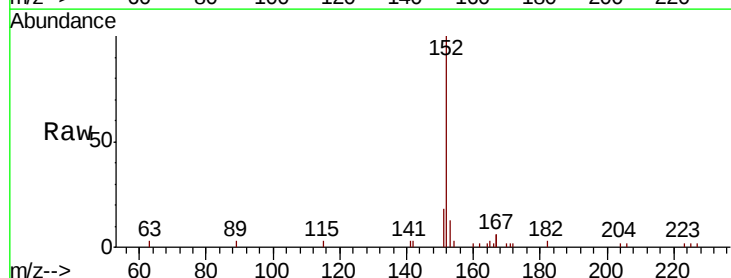
RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

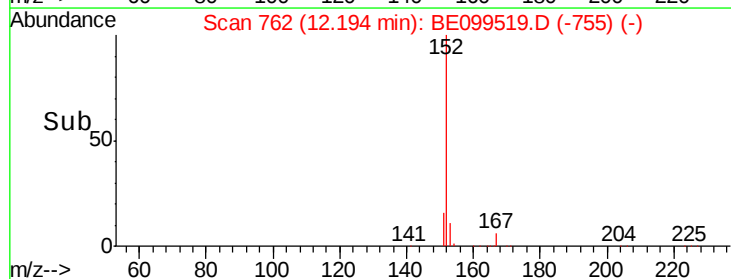
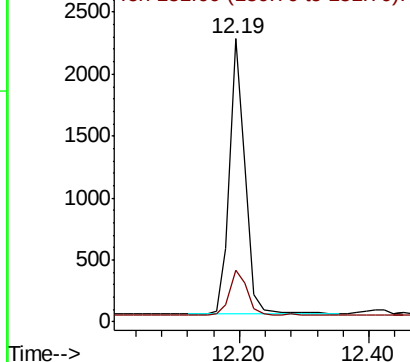
Lab File: BE099519.D

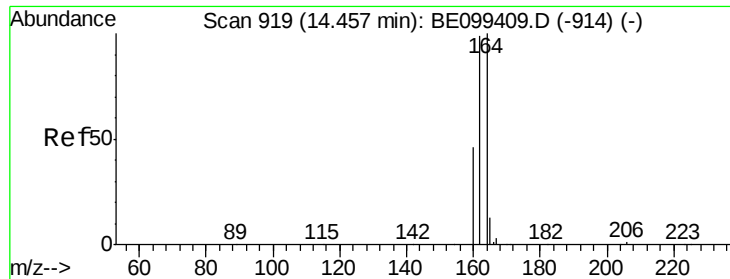
Acq: 3 May 2019 7:19

Tgt Ion:	152	Resp:	3716
Ion	Ratio	Lower	Upper
152	100		
151	18.4	15.5	23.3



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





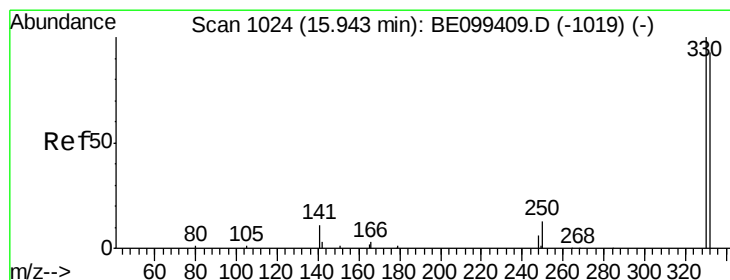
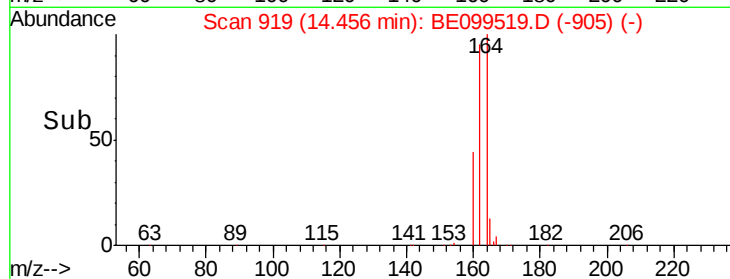
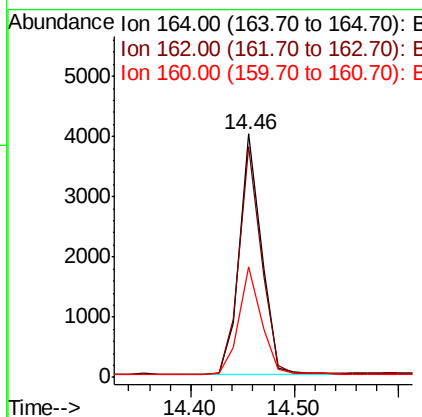
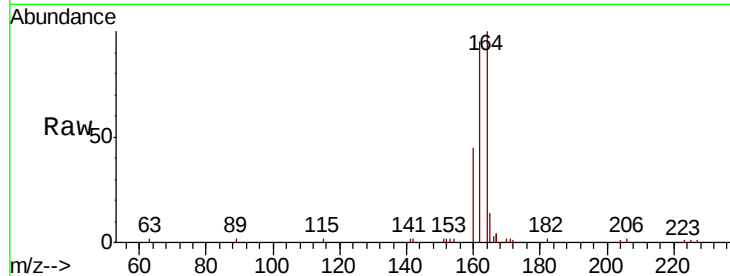
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099519.D
 Acq: 3 May 2019 7:19

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B191-042419

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.7	79.0	118.4
160	45.2	37.0	55.4

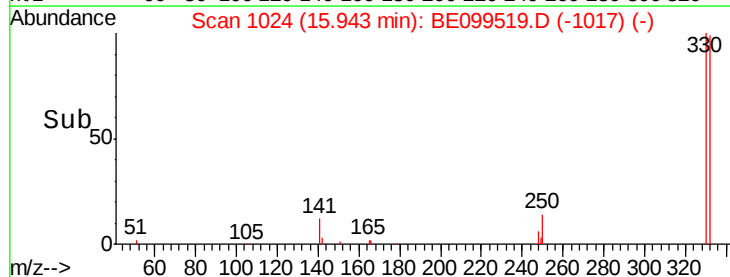
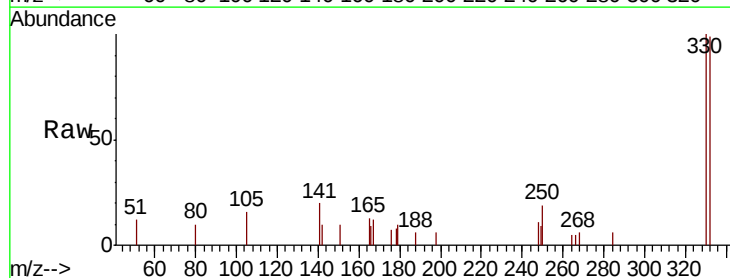
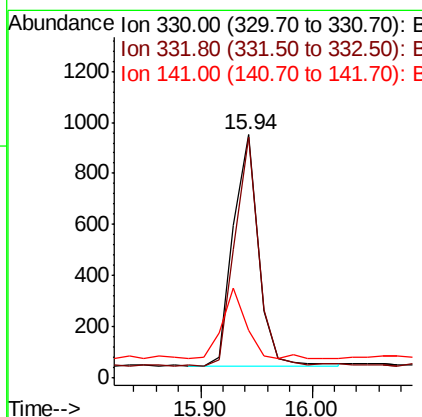
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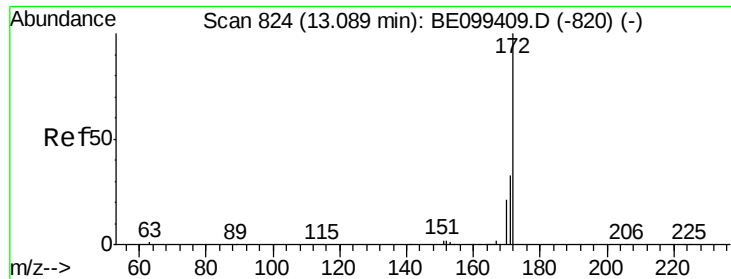
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#14
 2,4,6-Tribromophenol
 Concen: 0.386 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099519.D
 Acq: 3 May 2019 7:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.4	71.5	107.3
141	30.1	24.0	36.0





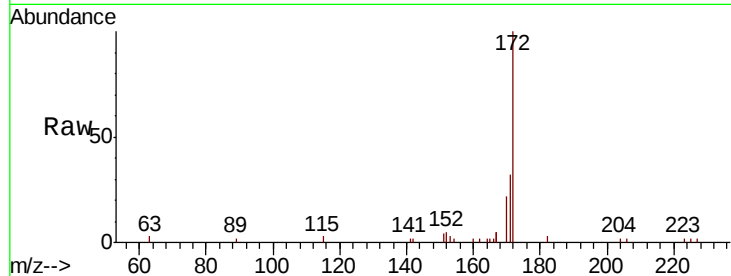
#15
2-Fluorobiphenyl
Concen: 0.244 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099519.D
Acq: 3 May 2019 7:19

Instrument :
BNA_E
ClientSampleId :
PST-001-B191-042419

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.3	26.6	39.8
170	21.7	17.0	25.6

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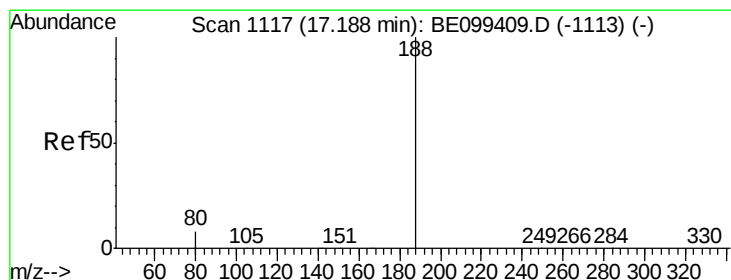
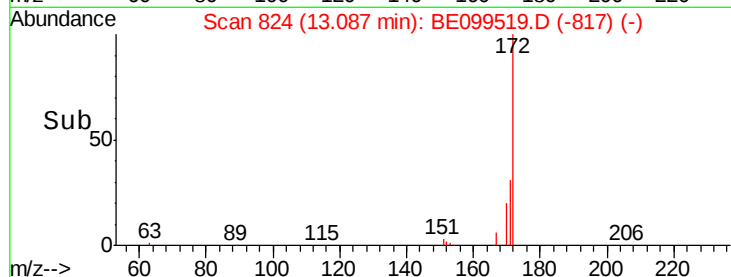
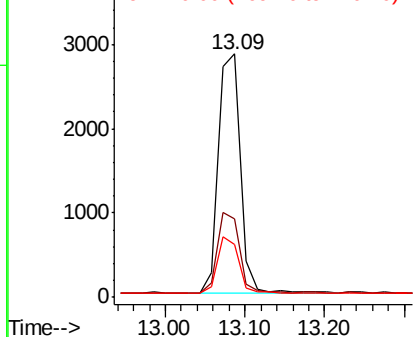


Abundance

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: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099519.D
Acq: 3 May 2019 7:19

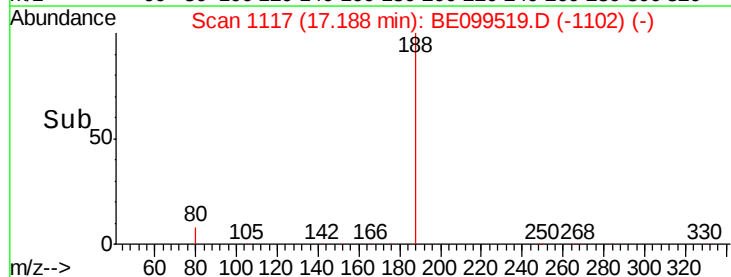
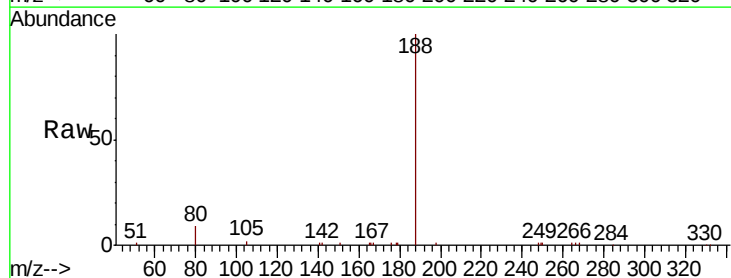
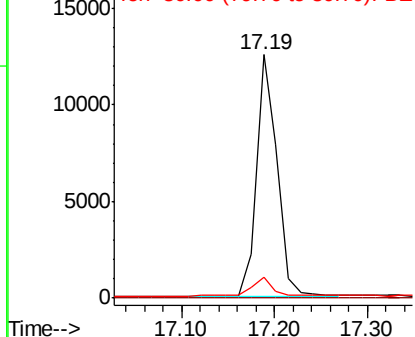
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	6.7	10.1

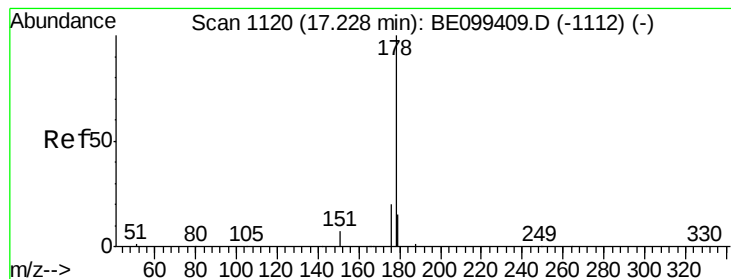
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#23

Phenanthrene

Concen: 0.150 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099519.D

Acq: 3 May 2019 7:19

Instrument :

BNA_E

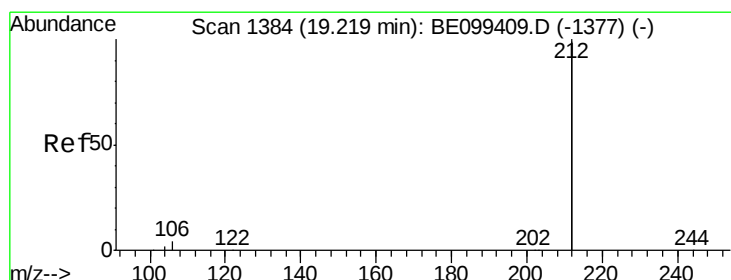
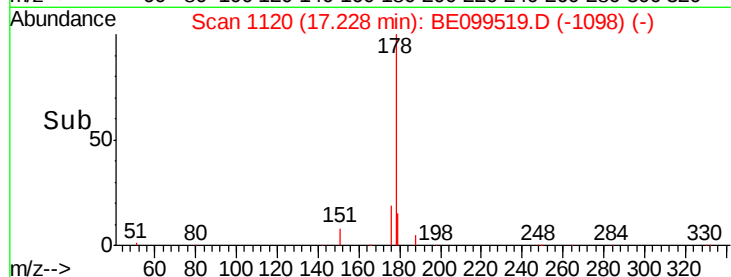
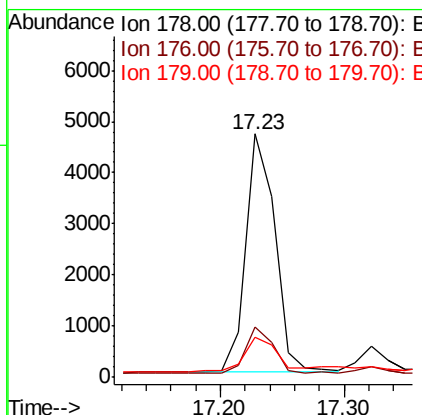
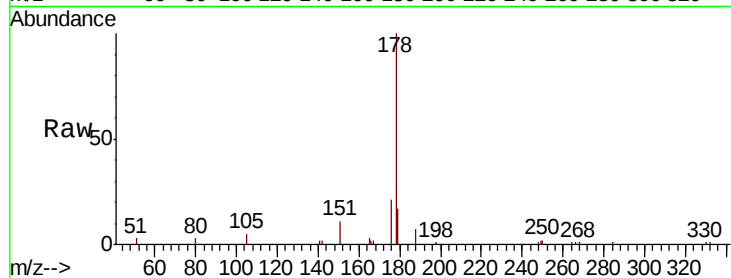
ClientSampleId :

PST-001-B191-042419

Tgt Ion:	178	Resp:	7583
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.6	23.4
179	16.7	12.0	18.0

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#25

Fluoranthene-d10

Concen: 0.233 ng

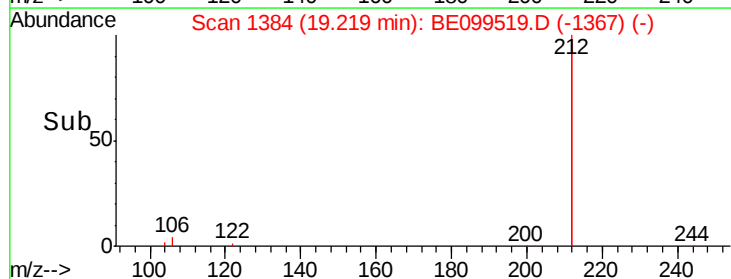
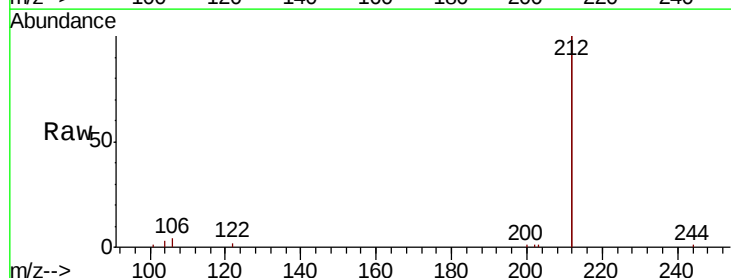
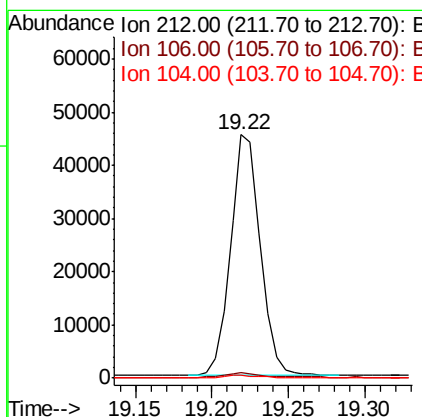
RT: 19.22 min Scan# 1384

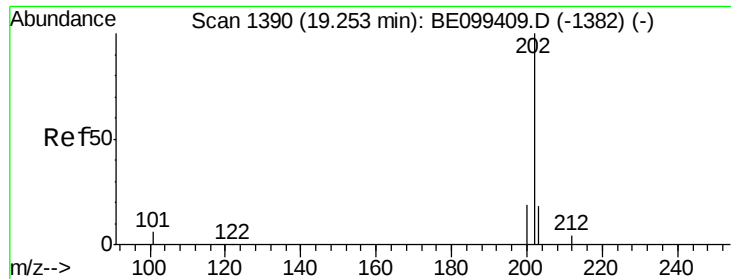
Delta R.T. 0.00 min

Lab File: BE099519.D

Acq: 3 May 2019 7:19

Tgt Ion:	212	Resp:	61312
Ion Ratio	Lower	Upper	
212	100		
106	2.1	1.5	2.3
104	1.1	0.9	1.3





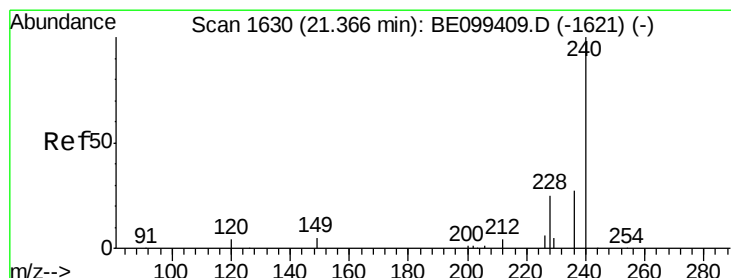
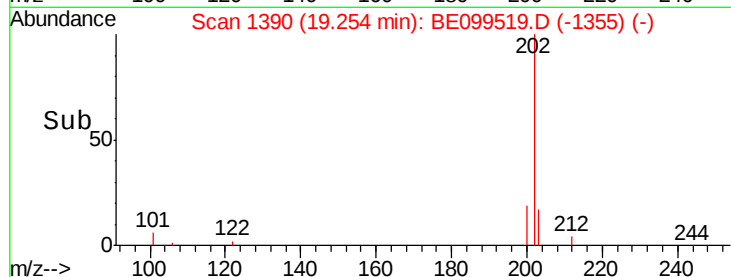
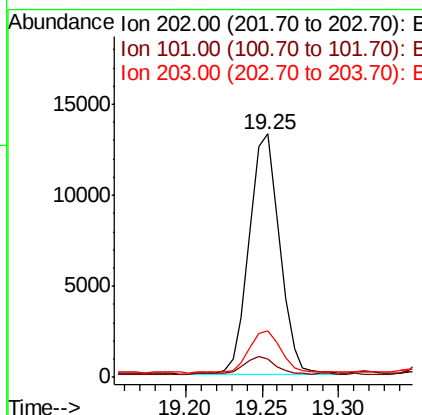
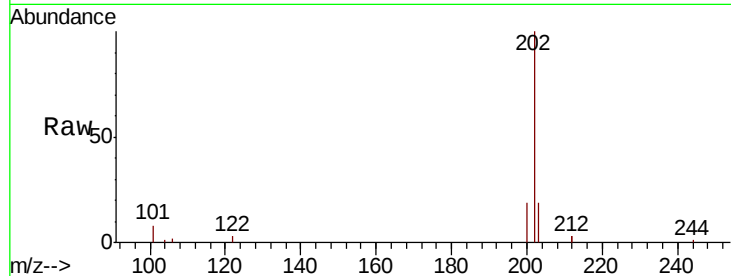
#26
Fluoranthene
 Concen: 0.240 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: BE099519.D
 Acq: 3 May 2019 7:19

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B191-042419

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	18113		
101	8.7	5.4	8.0#	
203	17.9	13.9	20.9	

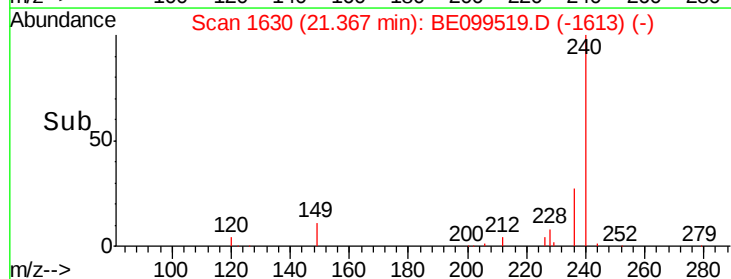
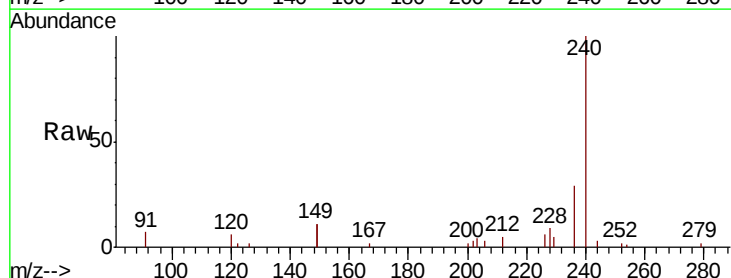
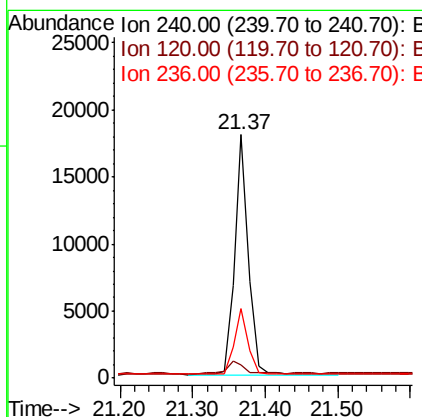
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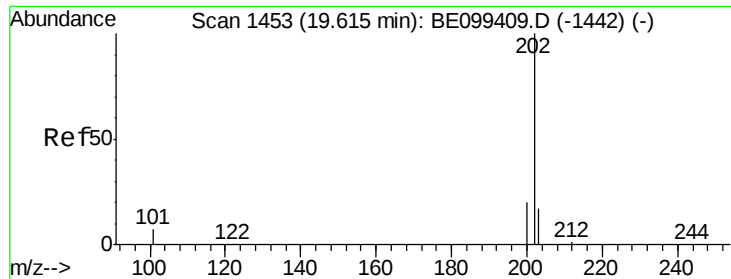
Sohil
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099519.D
 Acq: 3 May 2019 7:19

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	24138		
120	5.5	4.0	6.0	
236	28.6	22.0	33.0	





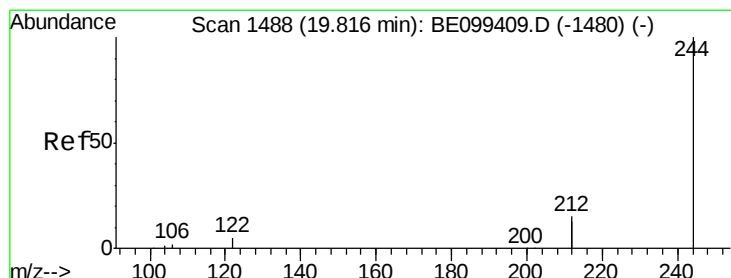
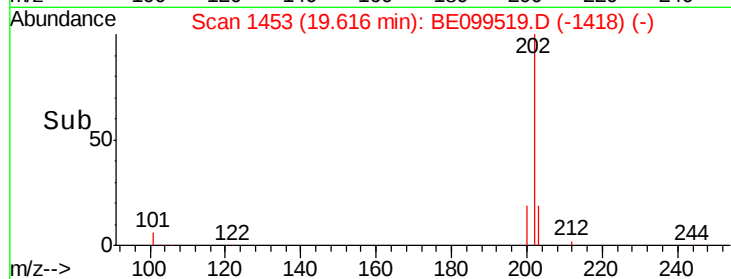
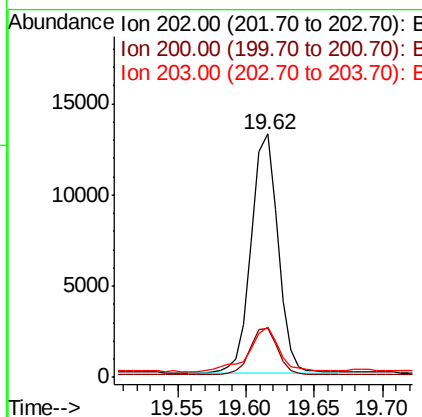
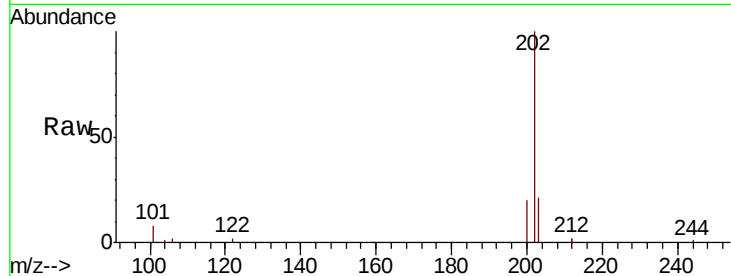
#28
 Pyrene
 Concen: 0.283 ng
 RT: 19.62 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BE099519.D
 Acq: 3 May 2019 7:19

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B191-042419

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.0	15.7	23.5	
203	20.5	13.9	20.9	

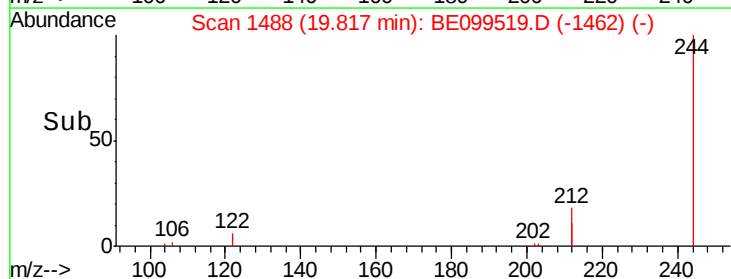
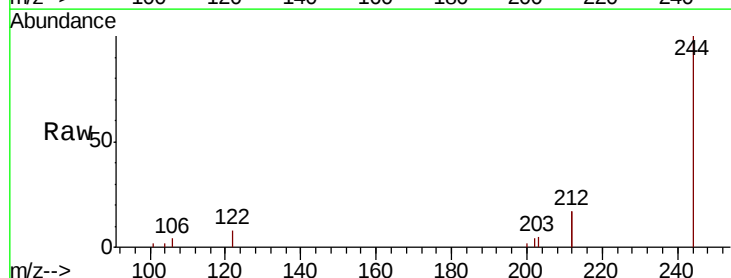
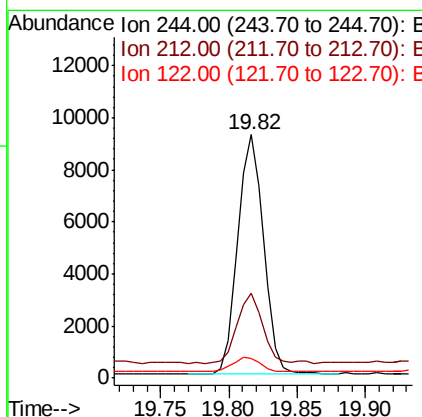
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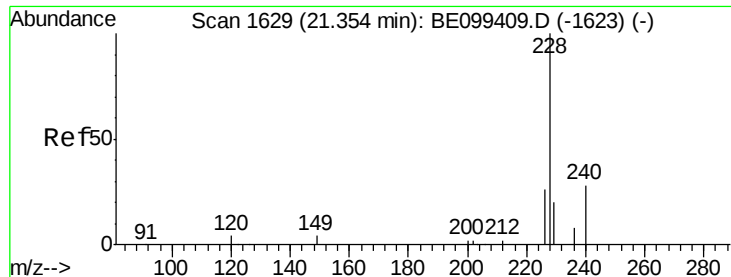
Sohil
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#29
 Terphenyl-d14
 Concen: 0.273 ng
 RT: 19.82 min Scan# 1488
 Delta R.T. 0.00 min
 Lab File: BE099519.D
 Acq: 3 May 2019 7:19

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	34.9	23.2	34.8#	
122	8.1	4.2	6.4#	





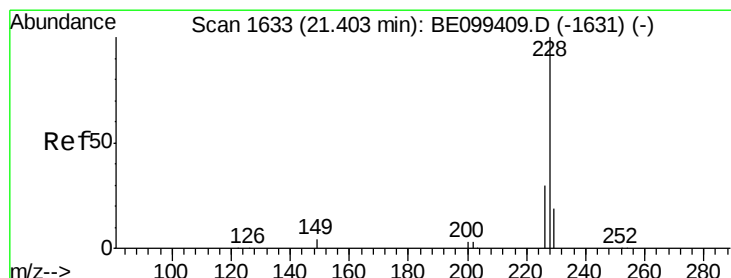
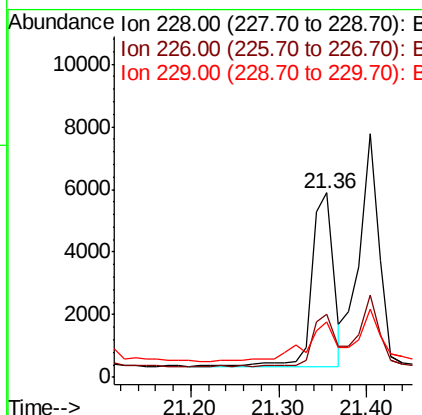
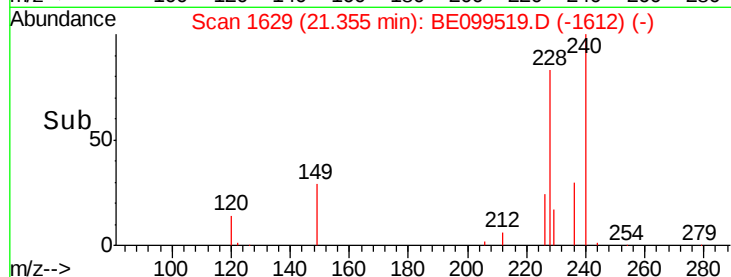
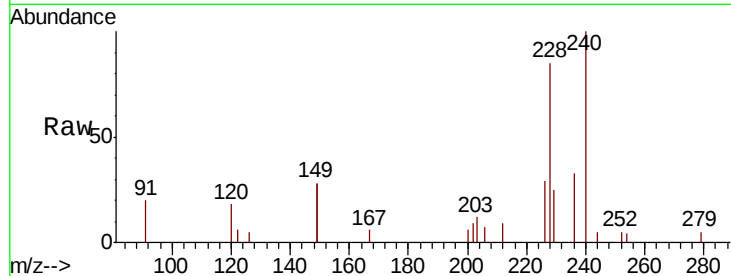
#30
Benzo(a)anthracene
Concen: 0.125 ng
RT: 21.36 min Scan# 1629
Delta R.T. 0.00 min
Lab File: BE099519.D
Acq: 3 May 2019 7:19

Instrument :
BNA_E
ClientSampleId :
PST-001-B191-042419

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.9	21.0	31.6#
229	29.7	16.6	25.0#

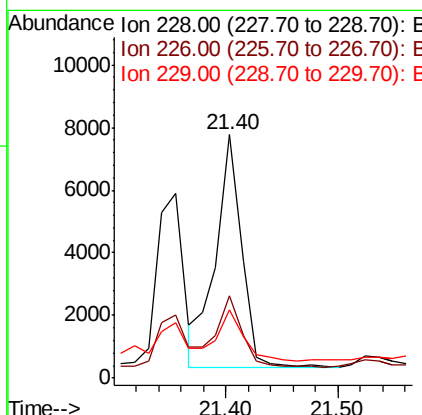
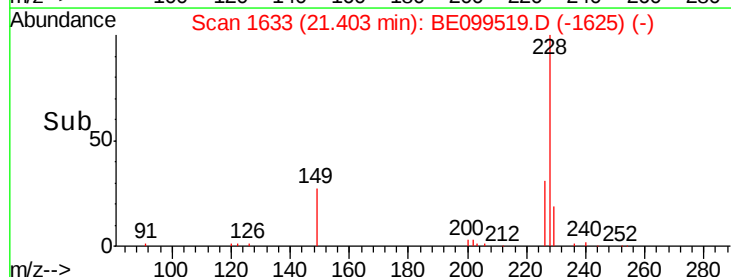
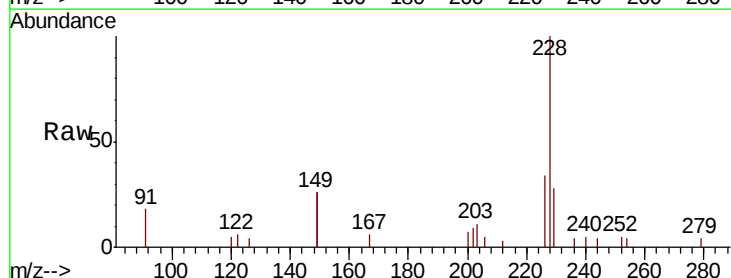
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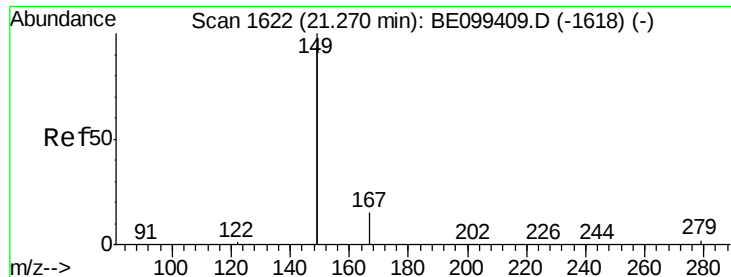
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#31
Chrysene
Concen: 0.158 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099519.D
Acq: 3 May 2019 7:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.0	24.0	36.0
229	27.9	15.8	23.8#





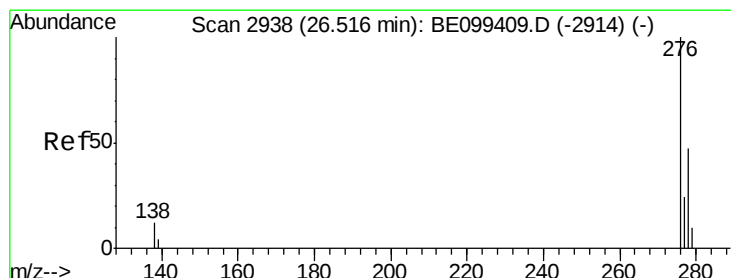
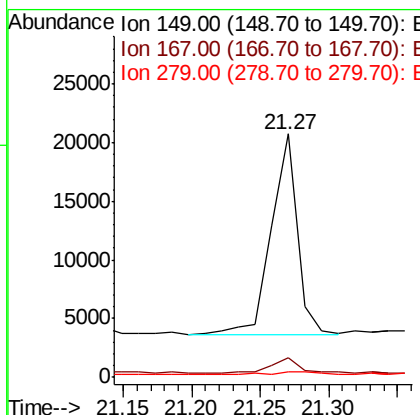
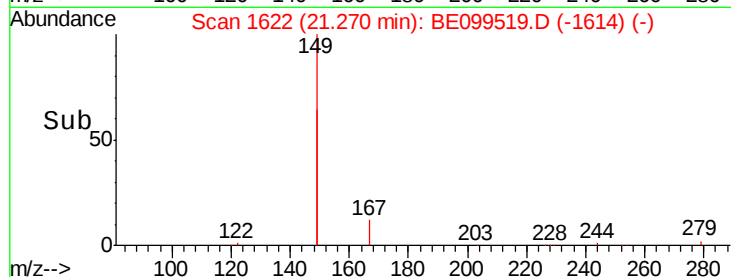
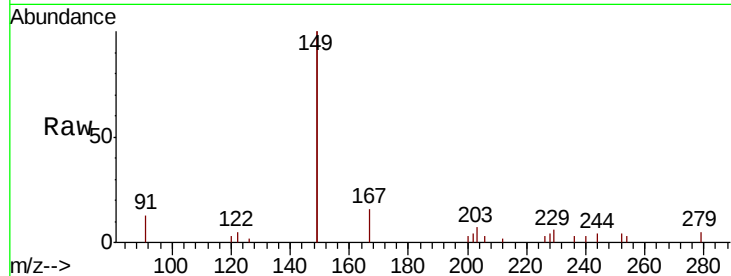
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.138 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE099519.D
Acq: 3 May 2019 7:19

Instrument :
BNA_E
ClientSampleId :
PST-001-B191-042419

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	8.0	5.8	8.6
279	2.0	1.0	1.6

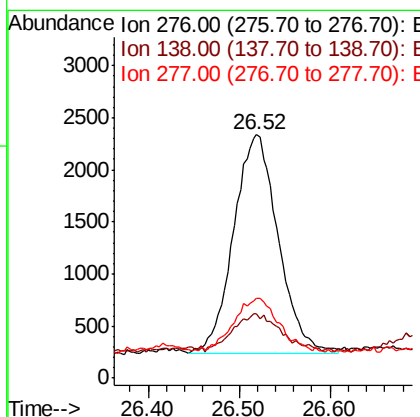
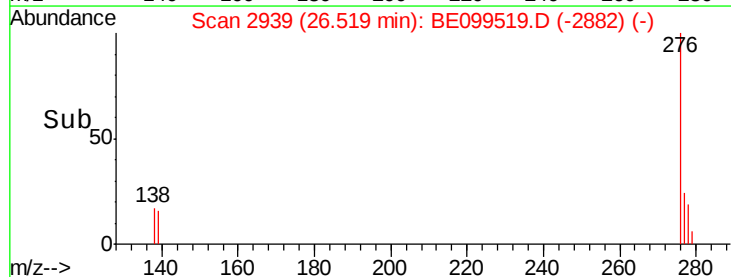
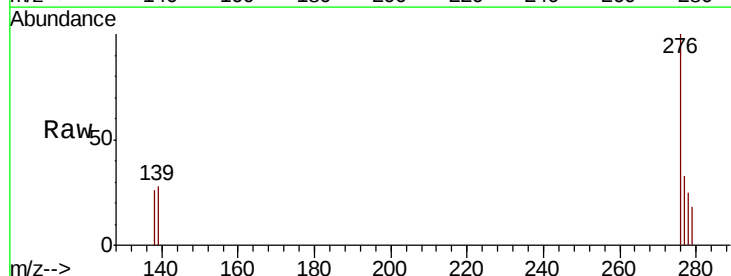
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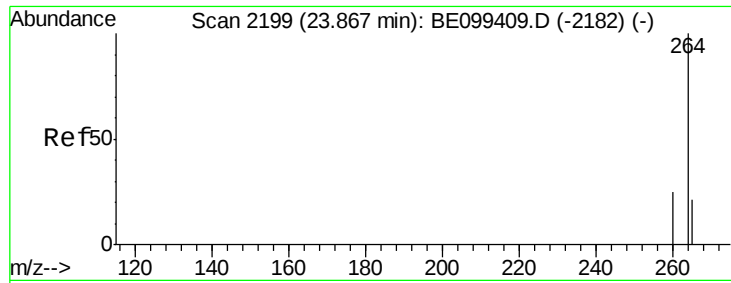
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5/3/2019 4:24:21 PM



#33
Indeno(1,2,3-cd)pyrene
Concen: 0.080 ng
RT: 26.52 min Scan# 2939
Delta R.T. 0.00 min
Lab File: BE099519.D
Acq: 3 May 2019 7:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	18.6	10.2	15.2
277	23.8	19.2	28.8





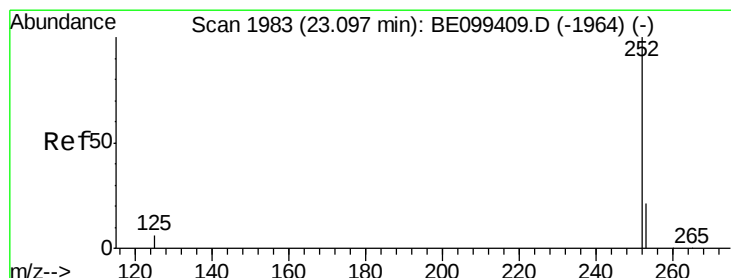
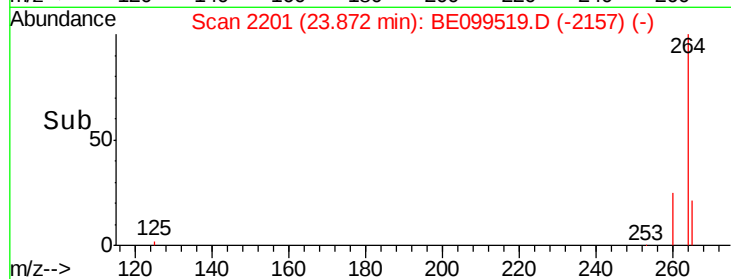
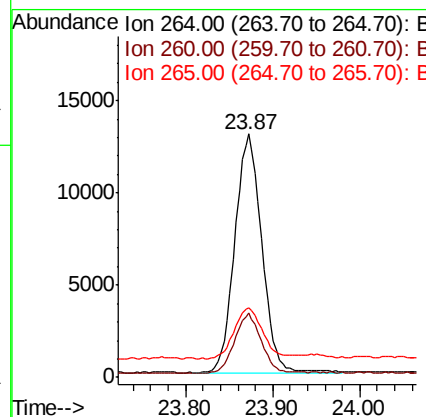
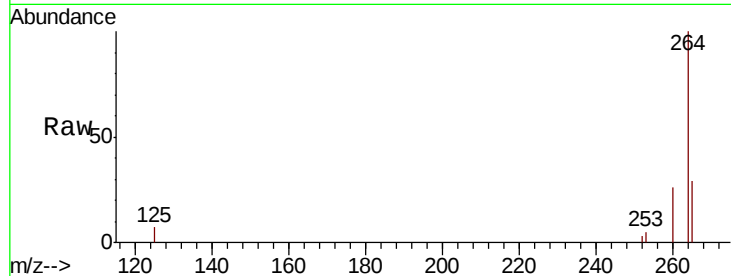
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: BE099519.D
 Acq: 3 May 2019 7:19

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B191-042419

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	27911		
260	26.4	20.2	30.2	
265	28.5	21.3	31.9	

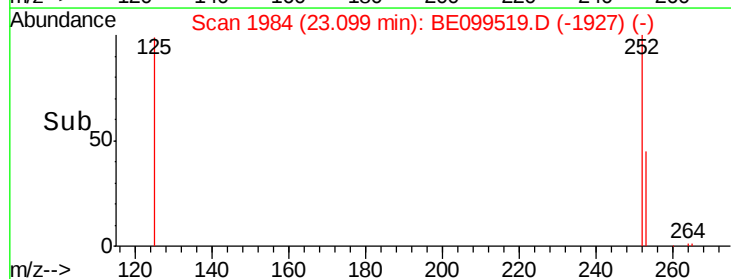
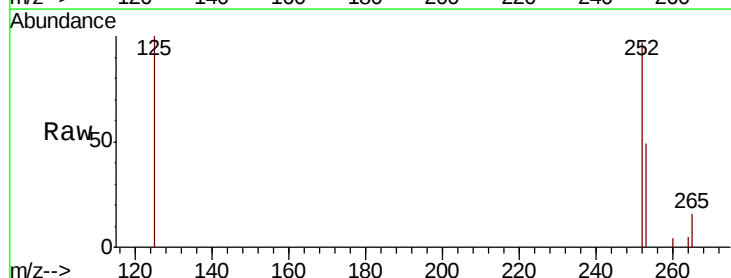
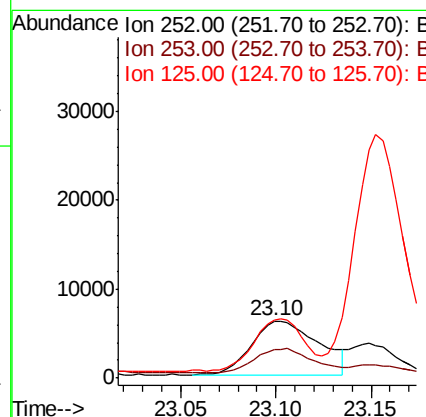
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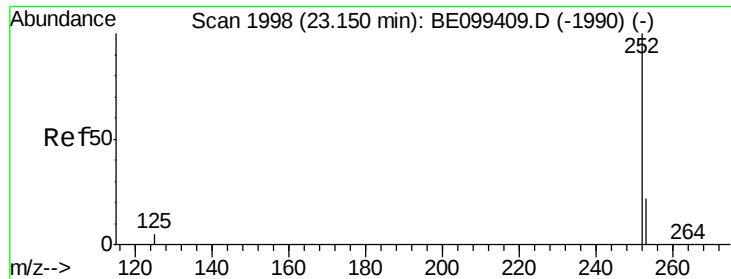
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#35
Benzo(b)fluoranthene
 Concen: 0.183 ng
 RT: 23.10 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: BE099519.D
 Acq: 3 May 2019 7:19

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	14754		
253	50.4	18.1	27.1#	
125	103.1	5.6	8.4#	





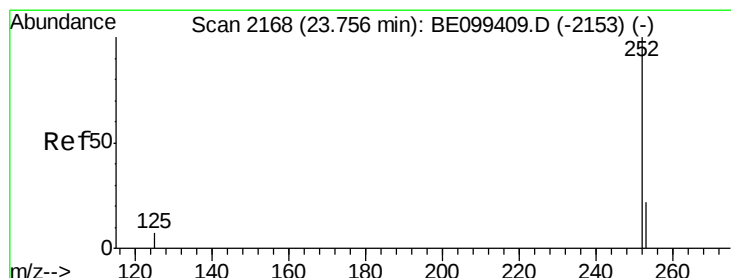
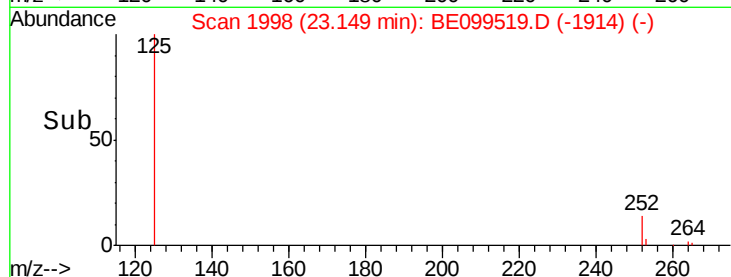
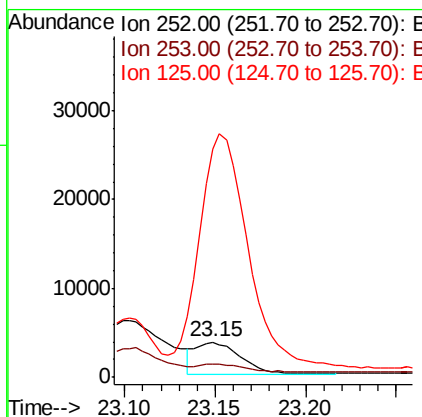
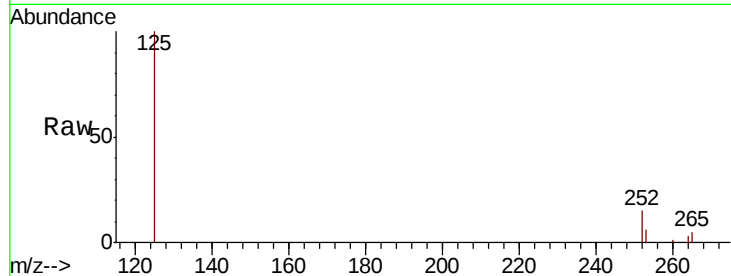
#36
Benzo(k)fluoranthene
Concen: 0.088 ng m
RT: 23.15 min Scan# 1998
Delta R.T. -0.00 min
Lab File: BE099519.D
Acq: 3 May 2019 7:19

Instrument :
BNA_E
ClientSampleId :
PST-001-B191-042419

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.6	18.4	27.6#
125	650.8	5.0	7.4#

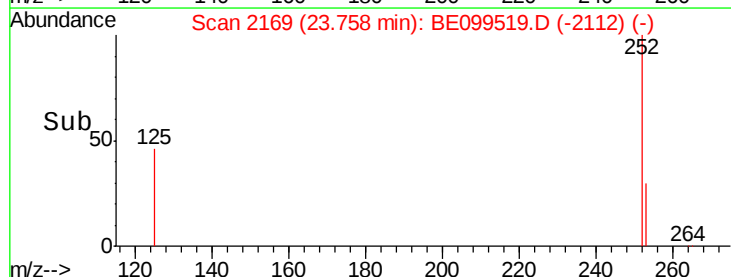
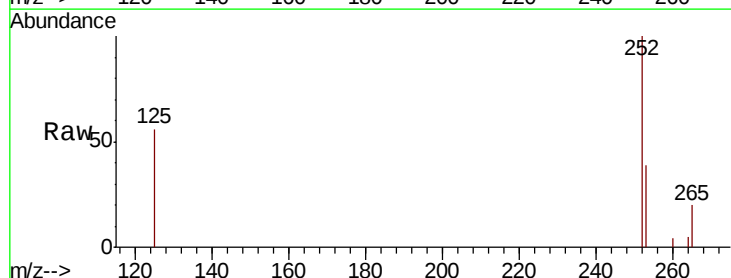
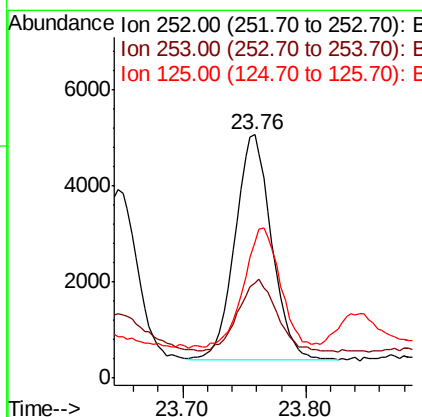
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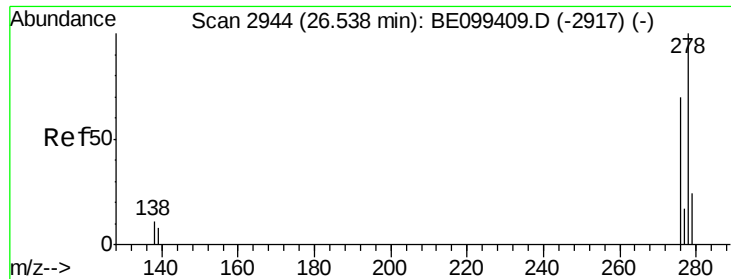
Sohil
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#37
Benzo(a)pyrene
Concen: 0.127 ng
RT: 23.76 min Scan# 2169
Delta R.T. 0.00 min
Lab File: BE099519.D
Acq: 3 May 2019 7:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	39.3	18.9	28.3#
125	55.9	6.7	10.1#





#38

Dibenzo(a,h)anthracene

Concen: 0.024 ng

RT: 26.54 min Scan# 2944

Delta R.T. -0.00 min

Lab File: BE099519.D

Acq: 3 May 2019 7:19

Instrument :

BNA_E

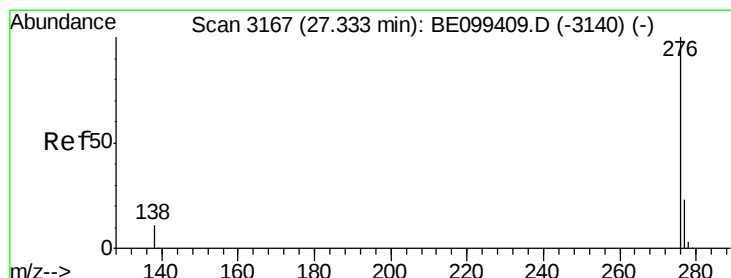
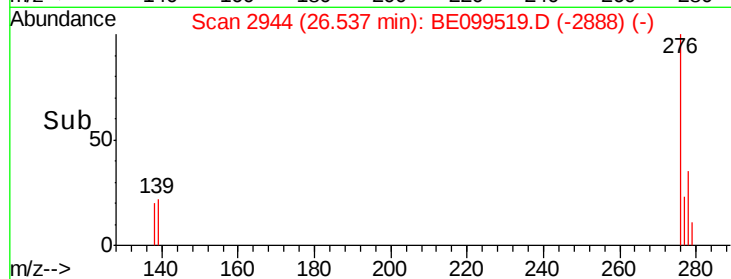
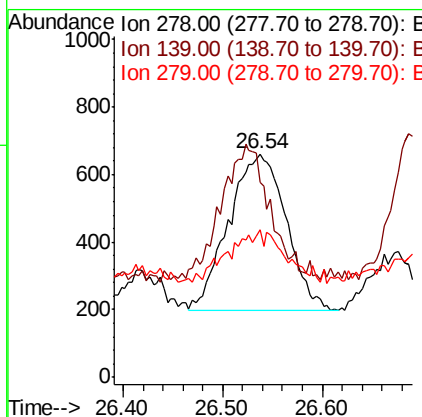
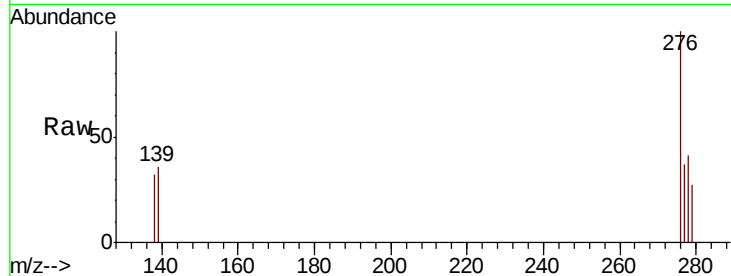
ClientSampleId :

PST-001-B191-042419

Tgt Ion:	278	Resp:	1851
Ion Ratio	Lower	Upper	
278	100		
139	87.1	7.7	11.5#
279	66.0	20.2	30.2#

Manual Integrations
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#39

Benzo(g,h,i)perylene

Concen: 0.092 ng

RT: 27.34 min Scan# 3169

Delta R.T. 0.01 min

Lab File: BE099519.D

Acq: 3 May 2019 7:19

Tgt Ion:	276	Resp:	7211
Ion Ratio	Lower	Upper	
276	100		
277	31.4	19.5	29.3#
138	20.7	9.6	14.4#

