

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099428.D
 Acq On : 30 Apr 2019 16:09
 Operator : JU/SJ
 Sample : K2587-18
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B164-042319

Manual Integrations
 APPROVED

Sohil
 5/1/2019 12:02:30 PM

Quant Time: May 01 01:28:19 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	7.81	152	2461	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8437	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5714	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	17634	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29876	0.40	ng	0.00
34) Perylene-d12	23.86	264	35737	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2651	0.39	ng	0.00
5) Phenol-d6	6.97	99	3781	0.42	ng	0.00
8) Nitrobenzene-d5	8.96	82	2917	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	5277	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	1326	0.37	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	7827	0.36	ng	-0.01
25) Fluoranthene-d10	19.22	212	87943	0.37	ng	0.00
29) Terphenyl-d14	19.81	244	18465	0.34	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.23	178	1099	0.024	ng	# 93
26) Fluoranthene	19.25	202	3495	0.051	ng	# 97
28) Pyrene	19.61	202	3614	0.046	ng	# 93
30) Benzo(a)anthracene	21.34	228	3040	0.032	ng	# 84
31) Chrysene	21.40	228	3663	0.039	ng	# 92
33) Indeno(1,2,3-cd)pyrene	26.50	276	3874	0.035	ng	# 80
35) Benzo(b)fluoranthene	23.09	252	6411	0.062	ng	# 52
36) Benzo(k)fluoranthene	23.14	252	2375m	0.024	ng	
37) Benzo(a)pyrene	23.75	252	4122	0.042	ng	# 57
39) Benzo(g,h,i)perylene	27.32	276	3923	0.039	ng	# 82

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

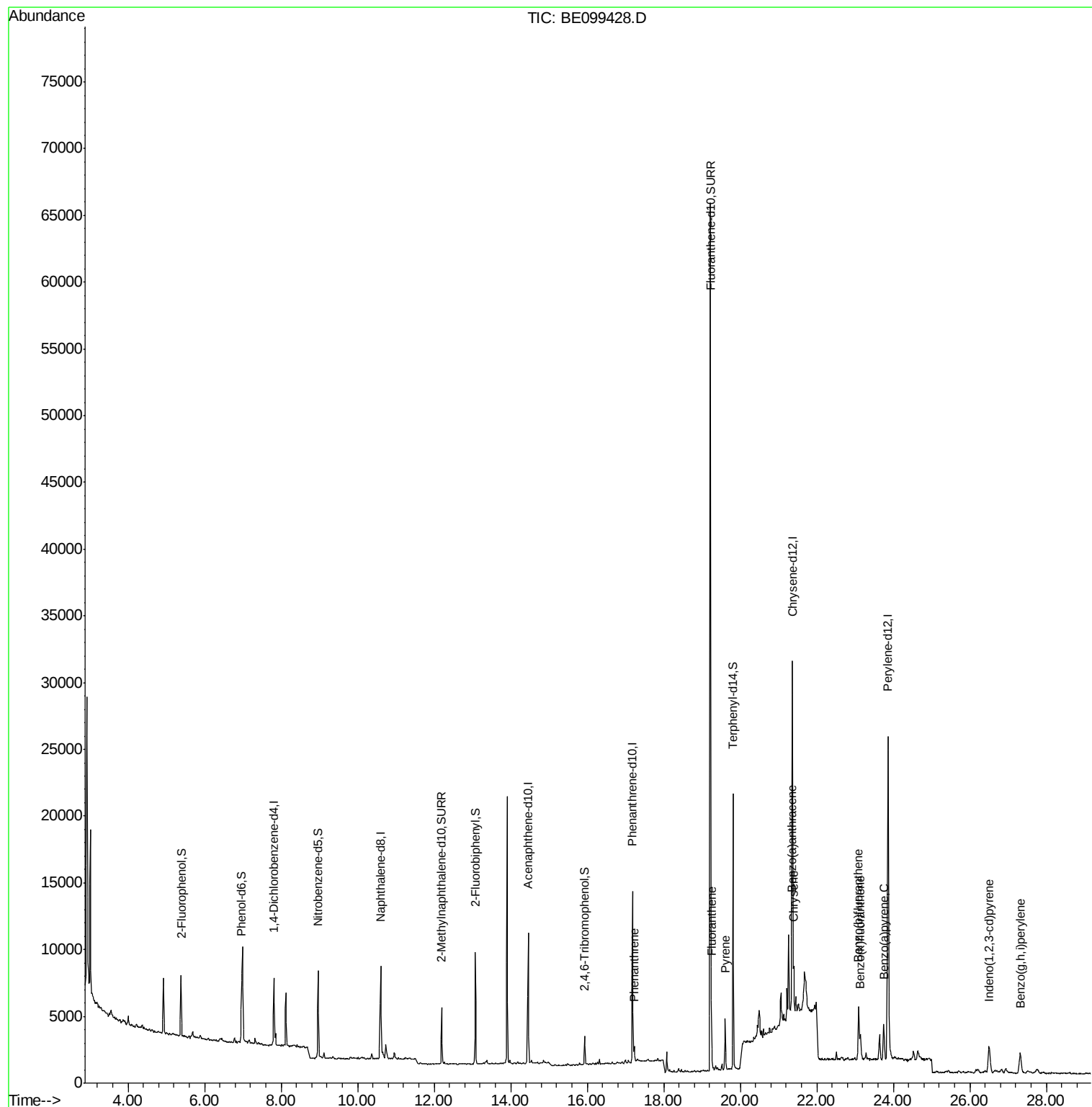
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
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ALS Vial : 14 Sample Multiplier: 1

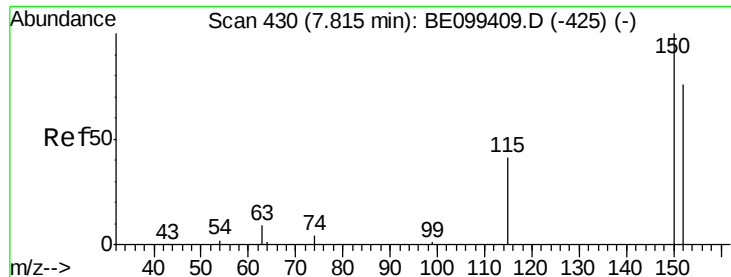
Instrument :
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PST-004-B164-042319

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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: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Instrument :

BNA_E

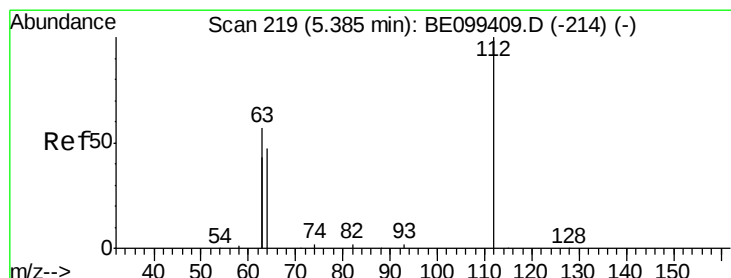
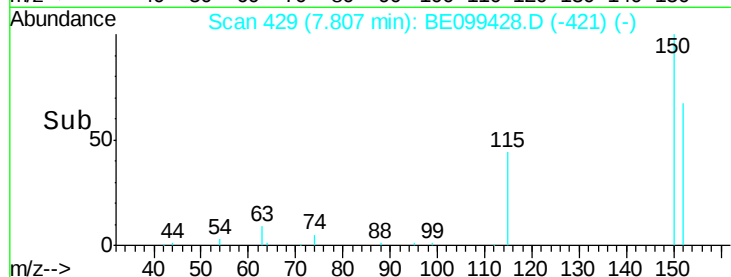
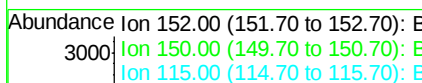
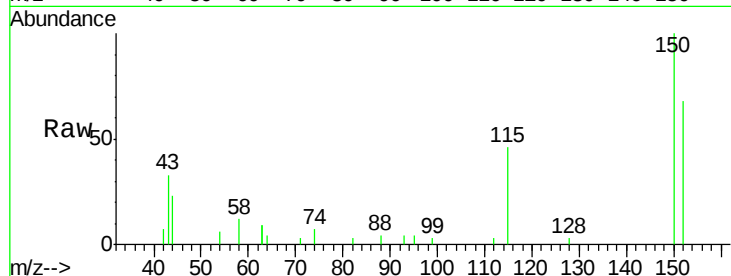
ClientSampleId :

PST-004-B164-042319

Tgt Ion:	152	Resp:	2461
Ion Ratio	Lower	Upper	
152	100		
150	146.5	104.8	157.2
115	67.2	46.6	69.8

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#4

2-Fluorophenol

Concen: 0.390 ng

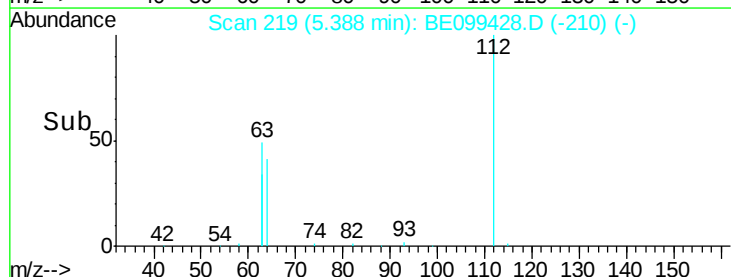
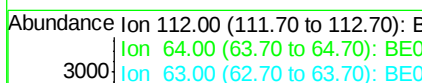
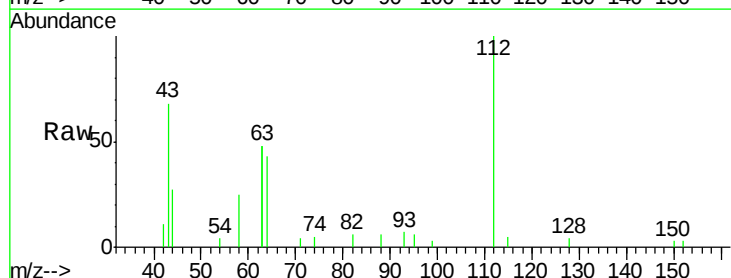
RT: 5.39 min Scan# 219

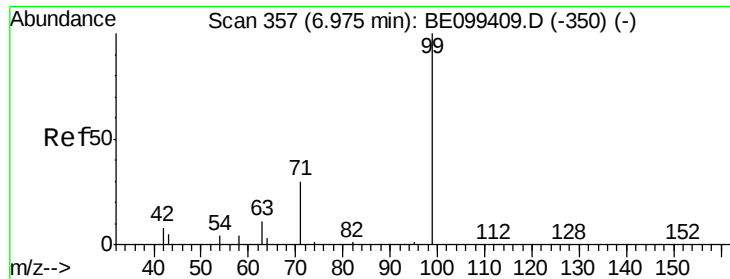
Delta R.T. 0.00 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Tgt Ion:	112	Resp:	2651
Ion Ratio	Lower	Upper	
112	100		
64	54.8	47.4	71.0
63	126.4	104.3	156.5





#5

Phenol-d6

Concen: 0.418 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Instrument :

BNA_E

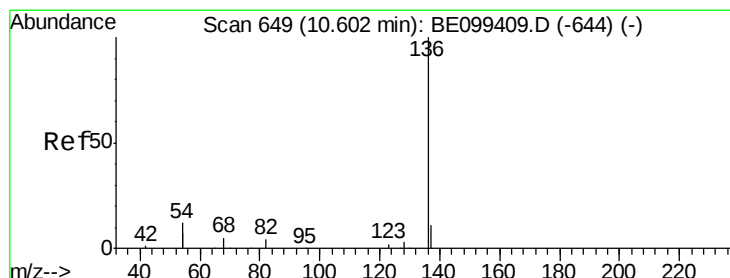
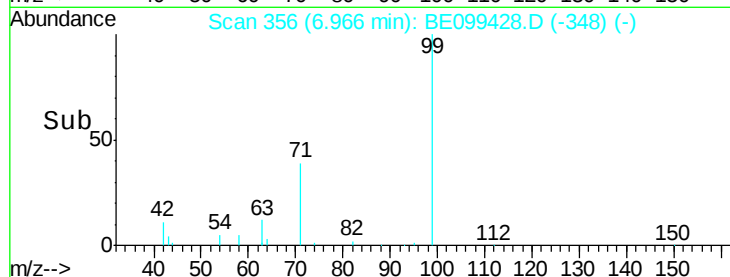
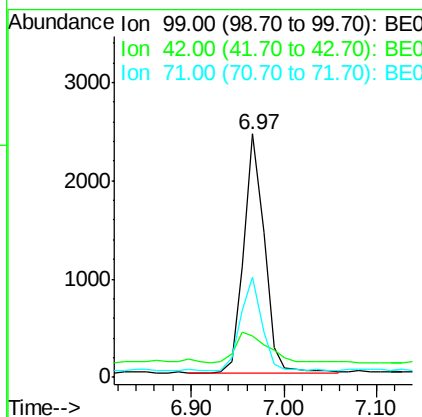
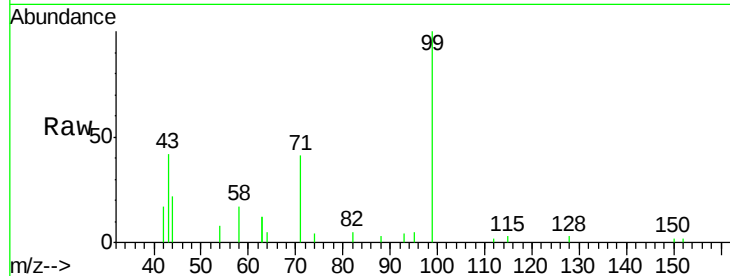
ClientSampleId :

PST-004-B164-042319

Tgt Ion:	99	Resp:	3781
Ion	Ratio	Lower	Upper
99	100		
42	19.3	14.9	22.3
71	40.0	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

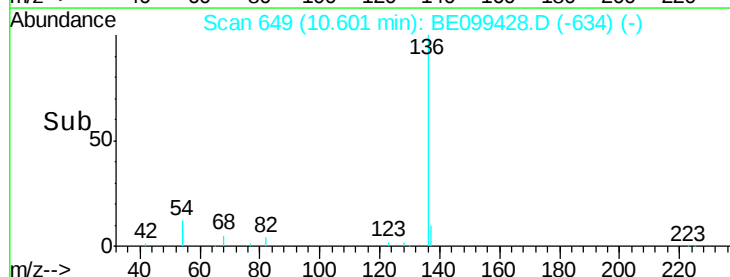
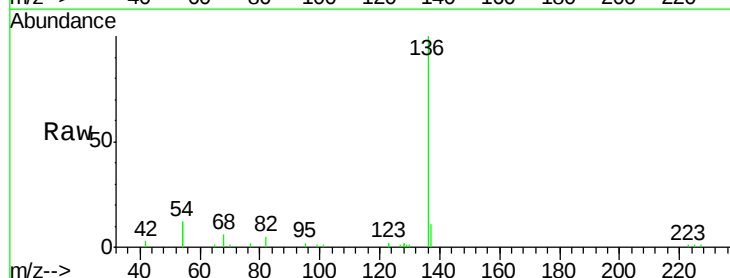
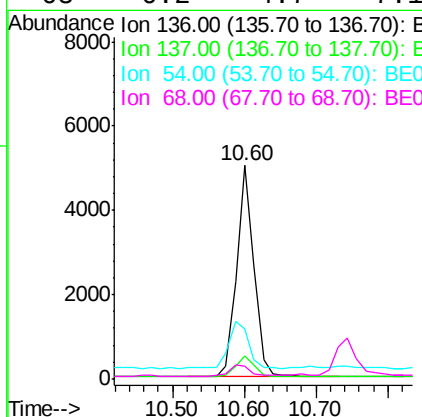
RT: 10.60 min Scan# 649

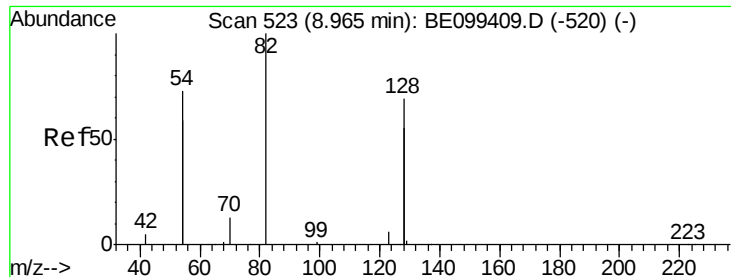
Delta R.T. -0.00 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Tgt Ion:	136	Resp:	8437
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.8
54	23.3	18.5	27.7
68	6.2	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.369 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Instrument :

BNA_E

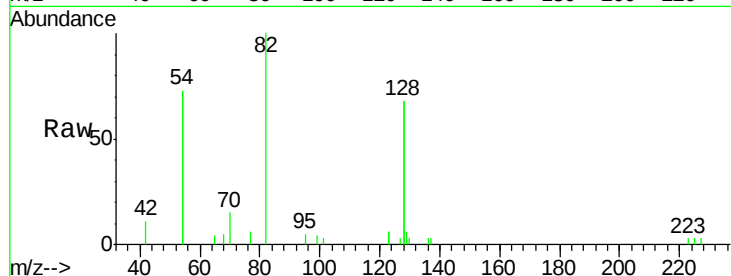
ClientSampleId :

PST-004-B164-042319

Tgt Ion:	82	Resp:	2917
Ion	Ratio	Lower	Upper
82	100		
128	135.9	107.0	160.4
54	145.6	113.1	169.7

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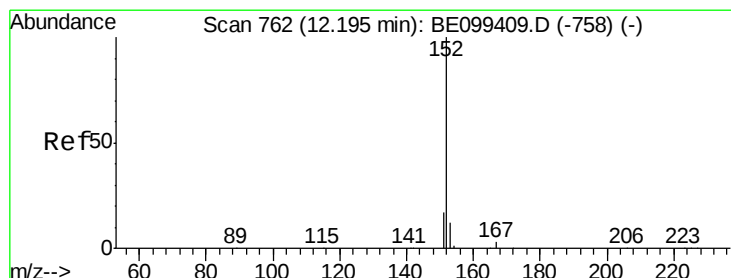
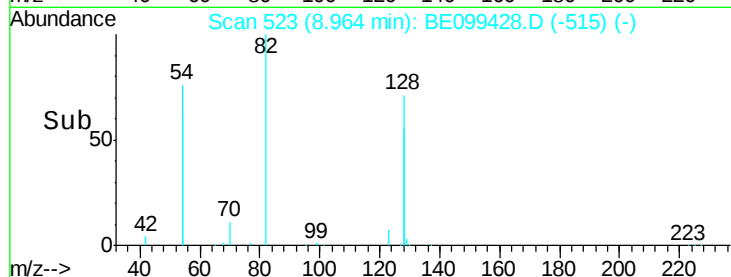
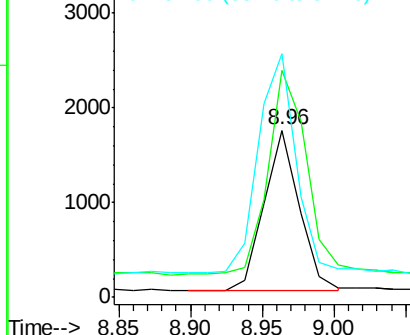
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Abundance Ion 82.00 (81.70 to 82.70): BE099428.D (-515) (-)

Ion 128.00 (127.70 to 128.70): BE099428.D (-515) (-)

Ion 54.00 (53.70 to 54.70): BE099428.D (-515) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.347 ng

RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

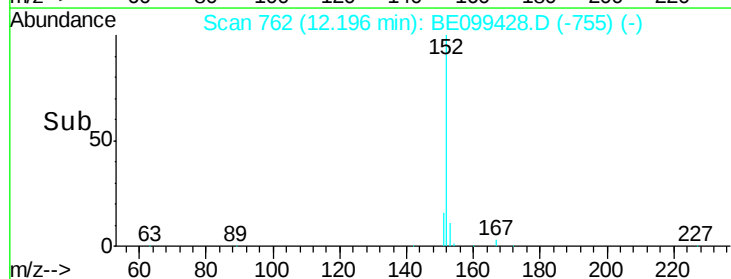
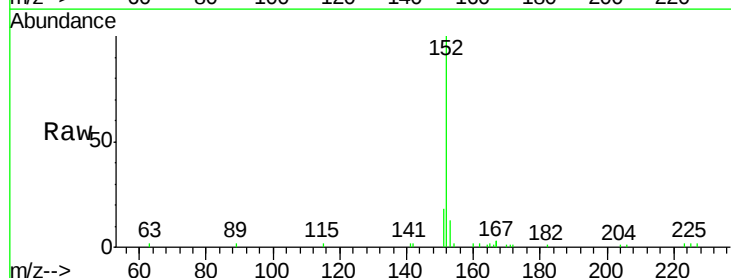
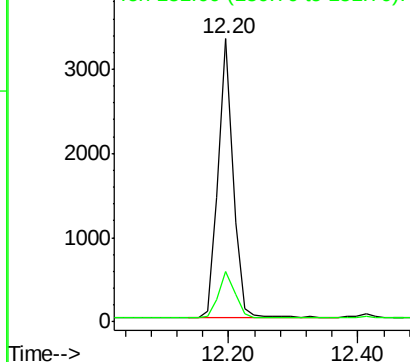
Lab File: BE099428.D

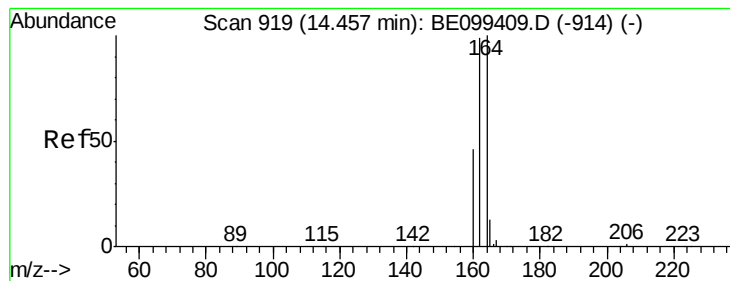
Acq: 30 Apr 2019 16:09

Tgt Ion:	152	Resp:	5277
Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.5	23.3

Abundance Ion 152.00 (151.70 to 152.70): BE099428.D (-755) (-)

Ion 151.00 (150.70 to 151.70): BE099428.D (-755) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Instrument :

BNA_E

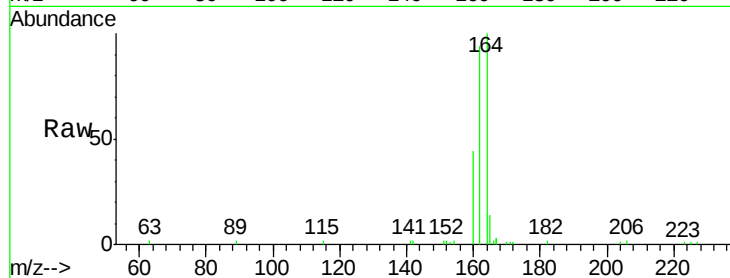
ClientSampleId :

PST-004-B164-042319

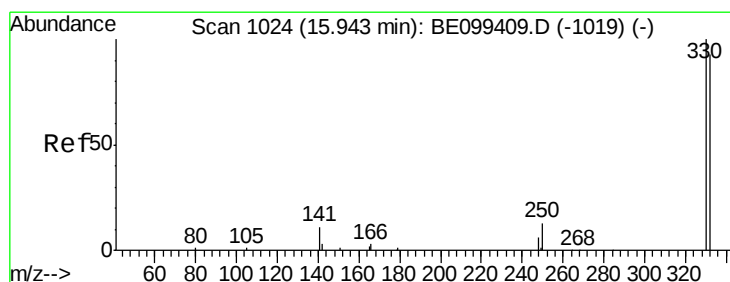
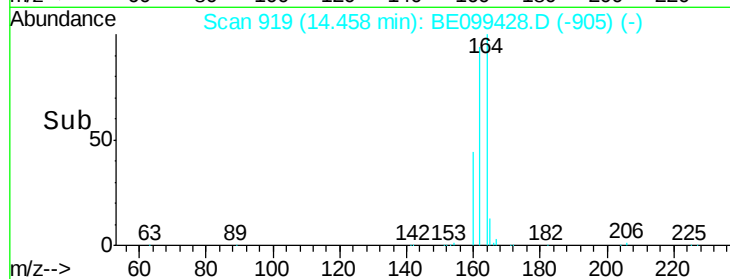
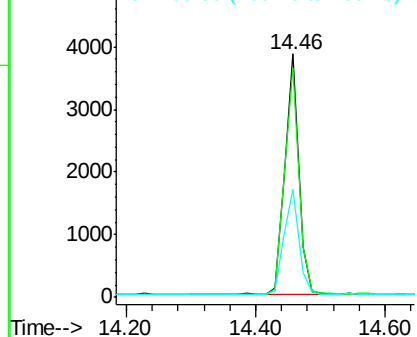
Tgt Ion:	164	Resp:	5714
Ion Ratio	Lower	Upper	
164	100		
162	94.1	79.0	118.4
160	44.3	37.0	55.4

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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: 0.368 ng

RT: 15.93 min Scan# 1023

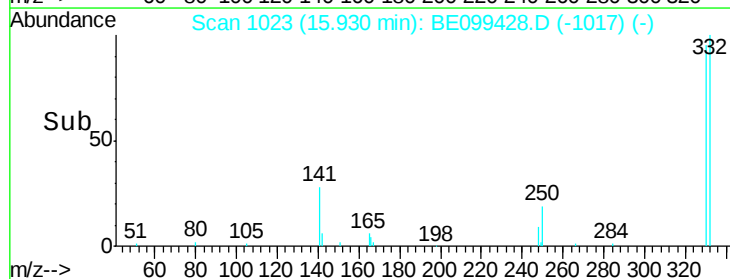
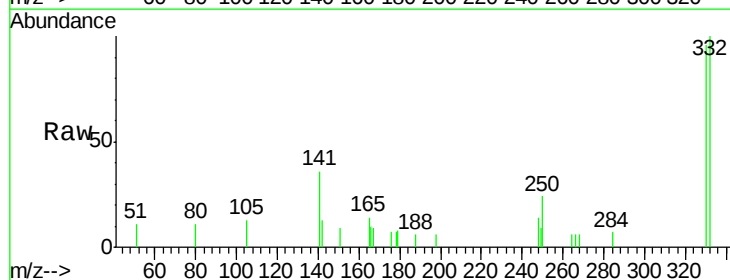
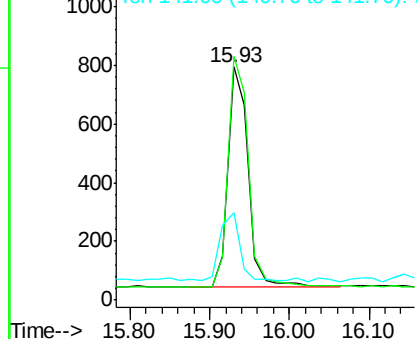
Delta R.T. -0.01 min

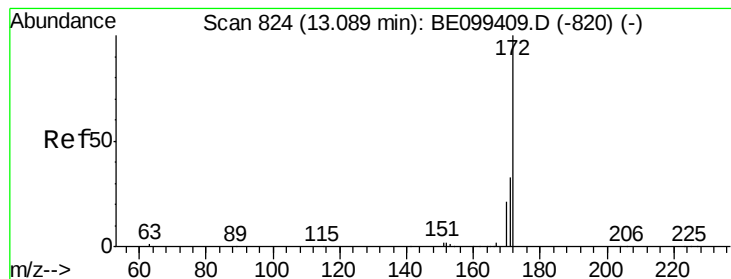
Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Tgt Ion:	330	Resp:	1326
Ion Ratio	Lower	Upper	
330	100		
332	102.9	71.5	107.3
141	29.8	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





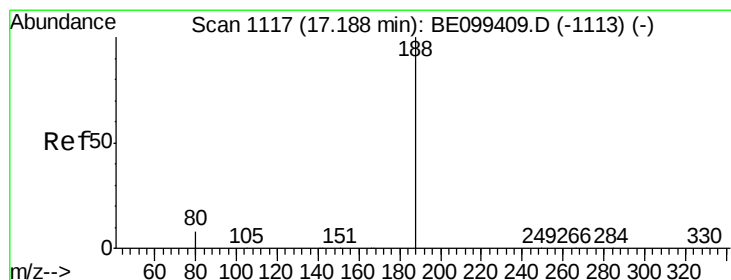
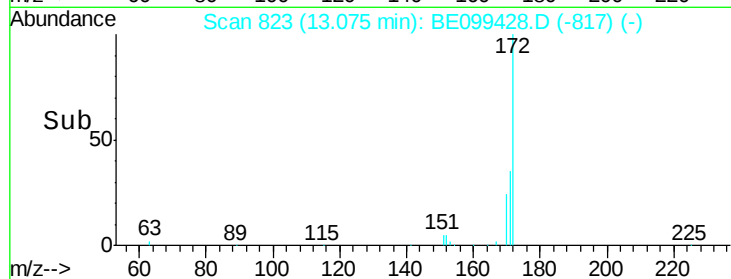
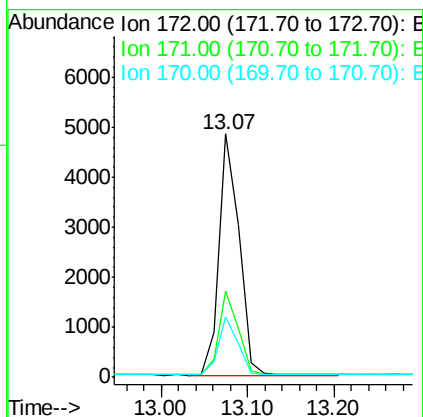
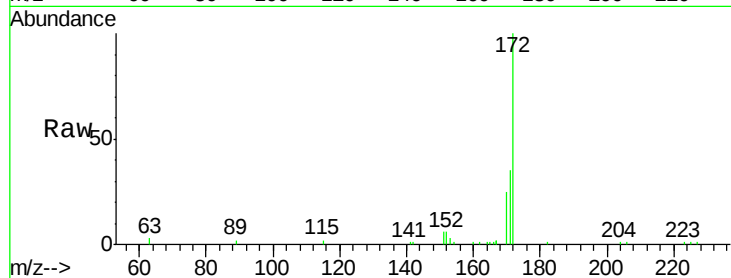
#15
 2-Fluorobiphenyl
 Concen: 0.359 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BE099428.D
 Acq: 30 Apr 2019 16:09

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B164-042319

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	26.6	39.8
170	24.8	17.0	25.6

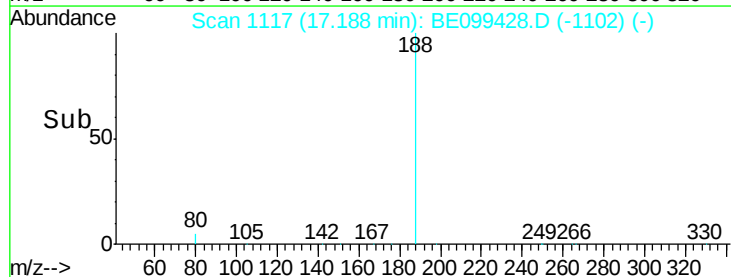
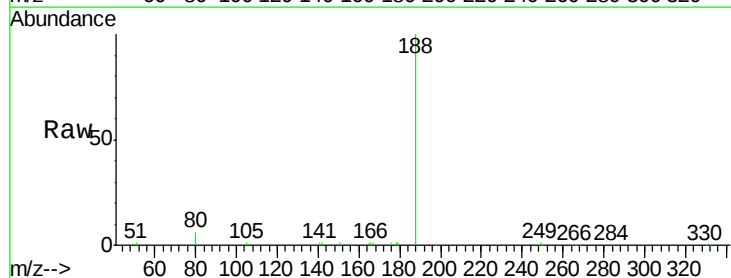
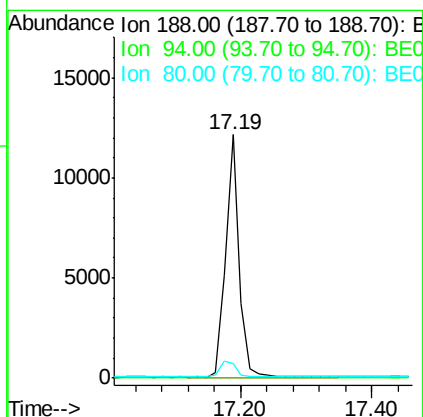
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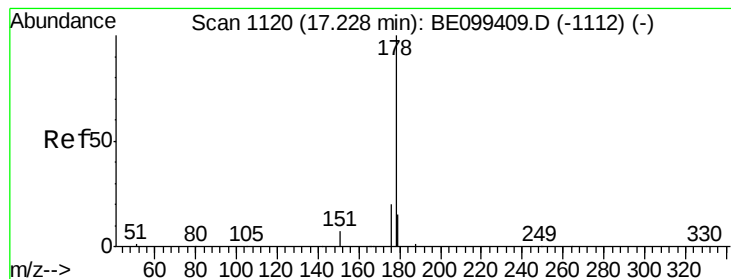
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#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. 0.00 min
 Lab File: BE099428.D
 Acq: 30 Apr 2019 16:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.1	6.7	10.1#





#23

Phenanthrene

Concen: 0.024 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Instrument :

BNA_E

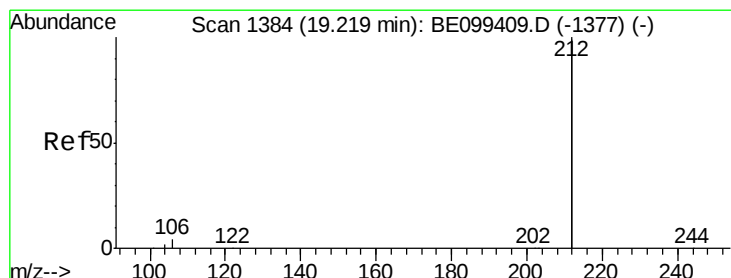
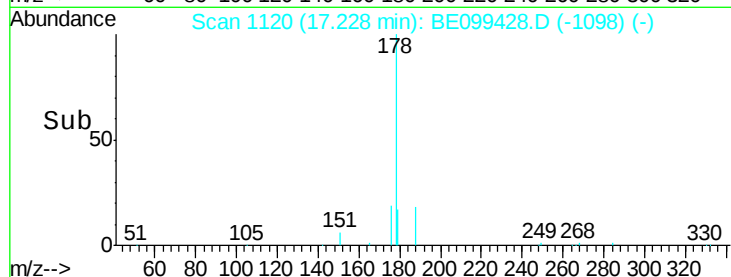
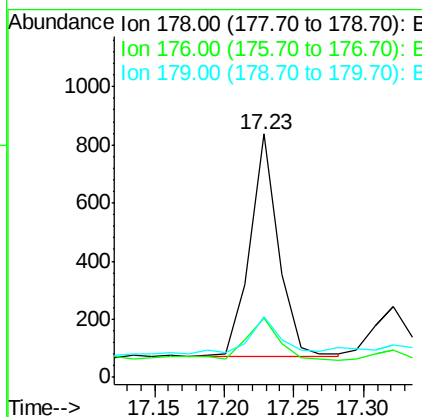
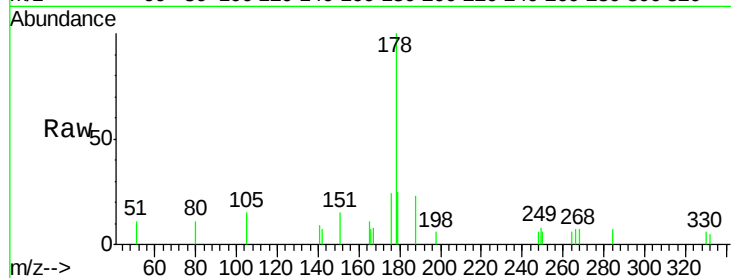
ClientSampleId :

PST-004-B164-042319

Tgt Ion:	178	Resp:	1099
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.6	23.4
179	20.6	12.0	18.0#

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.370 ng

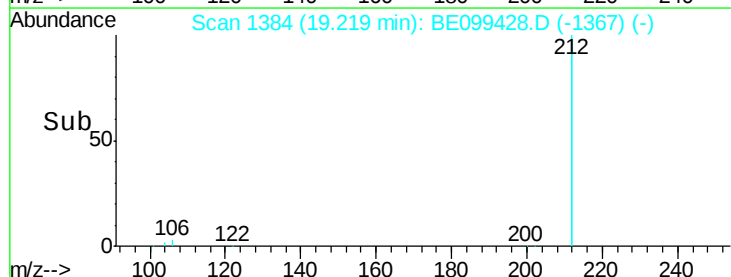
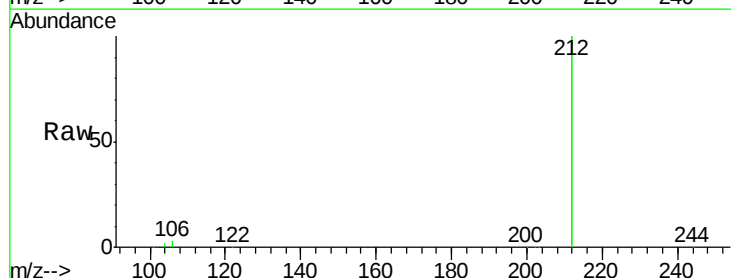
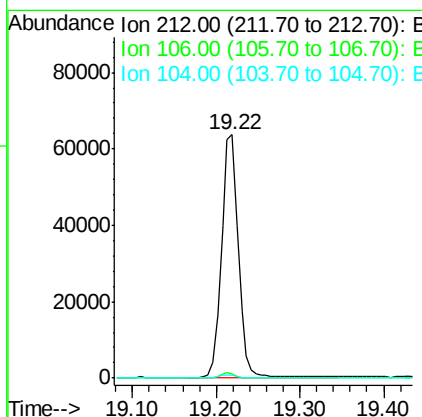
RT: 19.22 min Scan# 1384

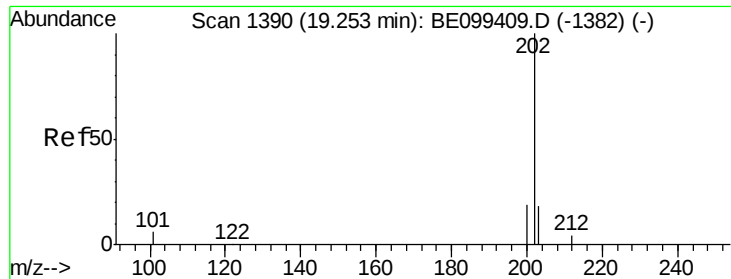
Delta R.T. 0.00 min

Lab File: BE099428.D

Acq: 30 Apr 2019 16:09

Tgt Ion:	212	Resp:	87943
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.5	2.3
104	1.2	0.9	1.3





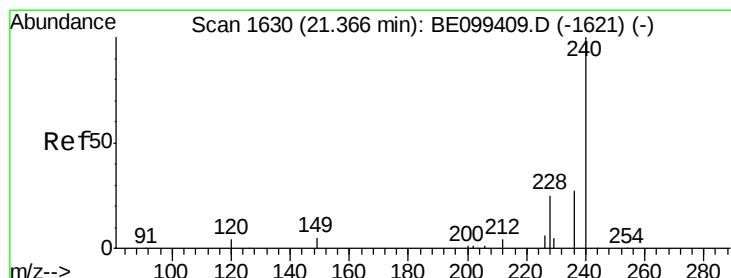
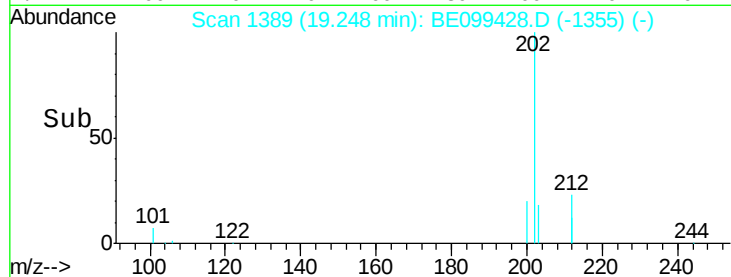
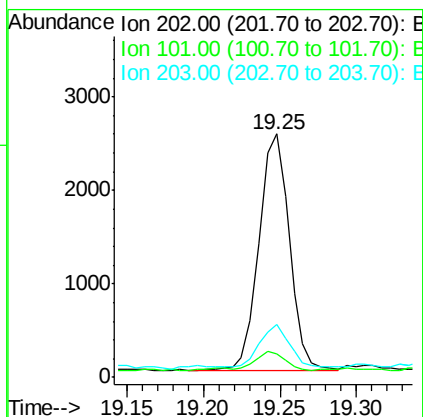
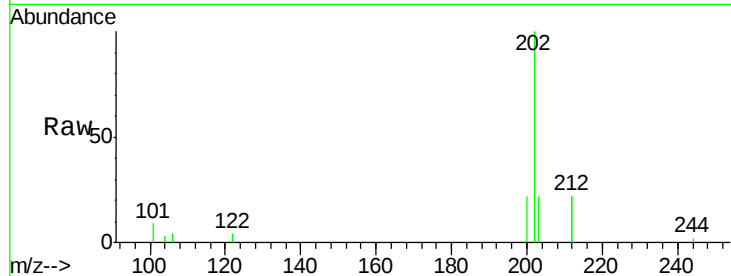
#26
Fluoranthene
Concen: 0.051 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099428.D
Acq: 30 Apr 2019 16:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B164-042319

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	3495		
101	8.1	5.4	8.0#	
203	18.3	13.9	20.9	

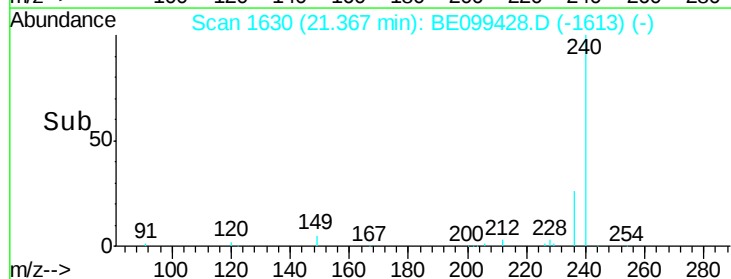
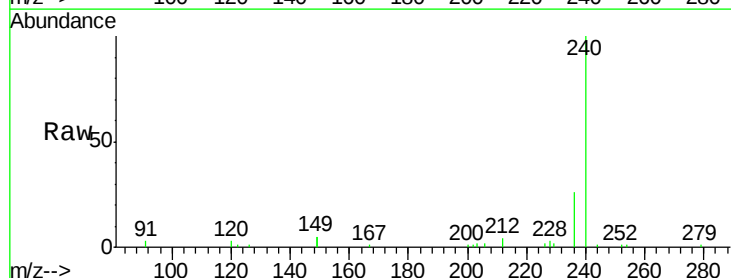
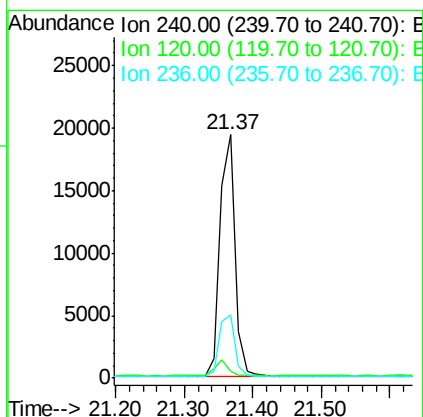
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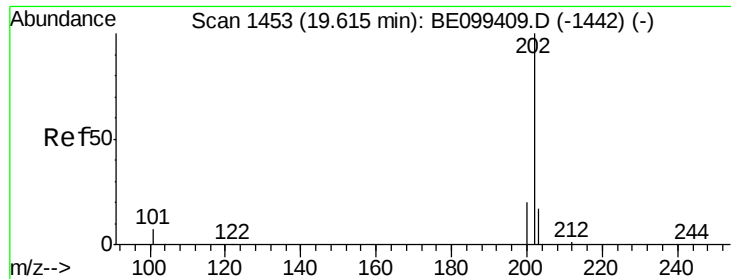
Sohil
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099428.D
Acq: 30 Apr 2019 16:09

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	29876		
120	2.9	4.0	6.0#	
236	26.2	22.0	33.0	





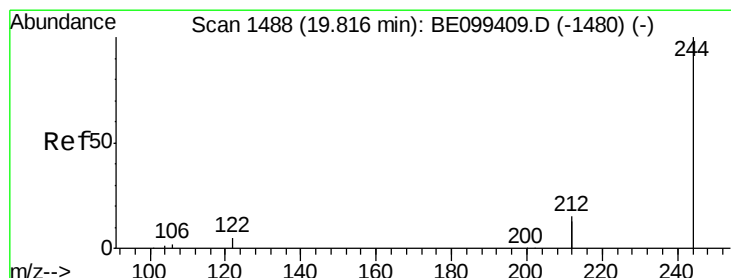
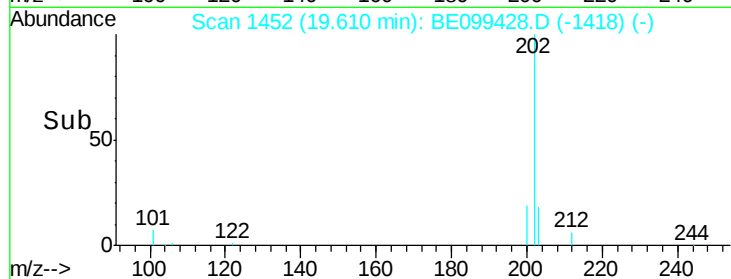
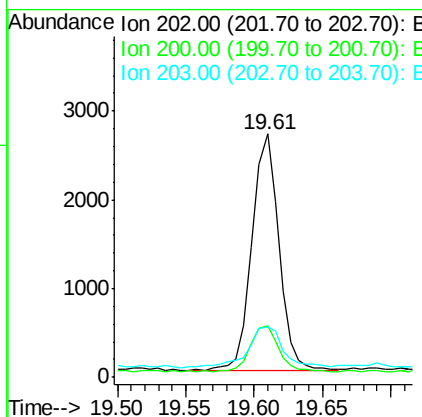
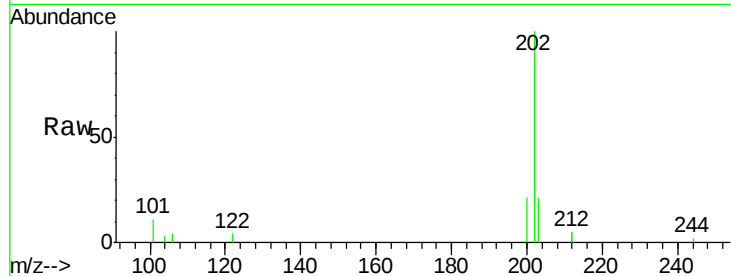
#28
 Pyrene
 Concen: 0.046 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099428.D
 Acq: 30 Apr 2019 16:09

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B164-042319

Tgt Ion:	202	Resp:	3614
Ion Ratio	Lower	Upper	
202	100		
200	20.3	15.7	23.5
203	23.5	13.9	20.9#

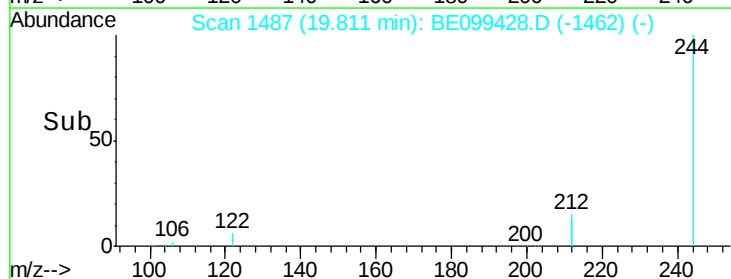
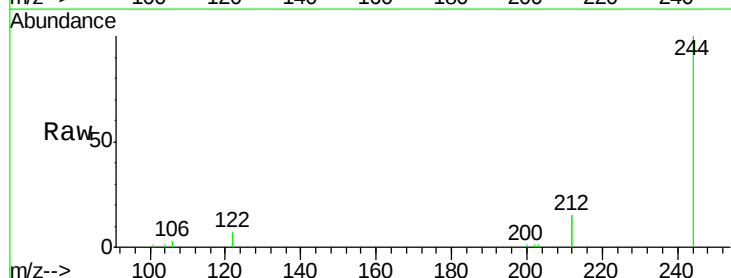
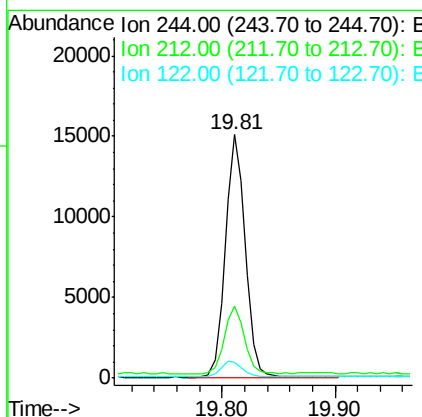
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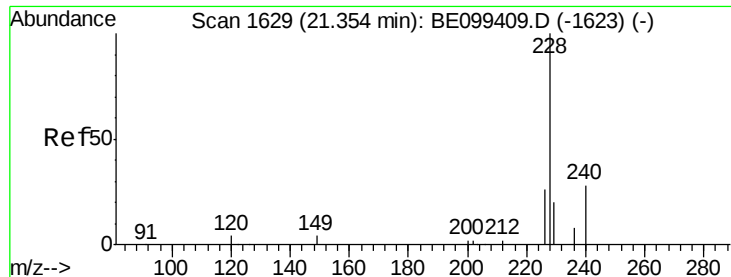
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#29
 Terphenyl-d14
 Concen: 0.337 ng
 RT: 19.81 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BE099428.D
 Acq: 30 Apr 2019 16:09

Tgt Ion:	244	Resp:	18465
Ion Ratio	Lower	Upper	
244	100		
212	29.8	23.2	34.8
122	6.6	4.2	6.4#





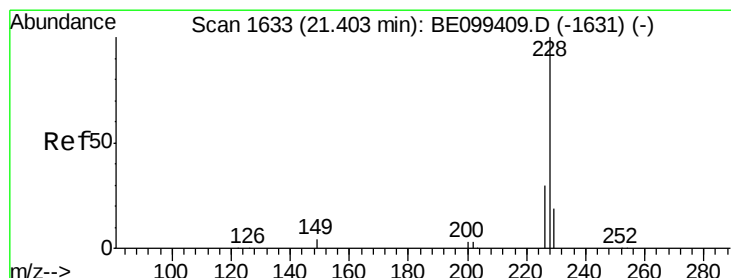
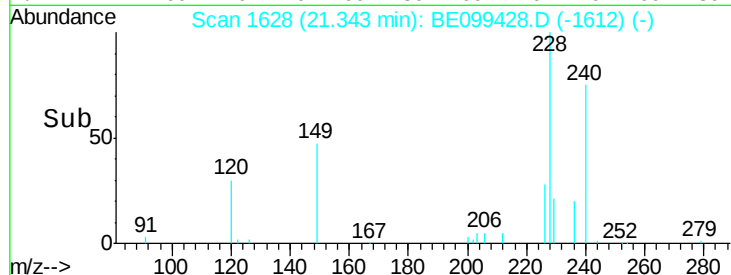
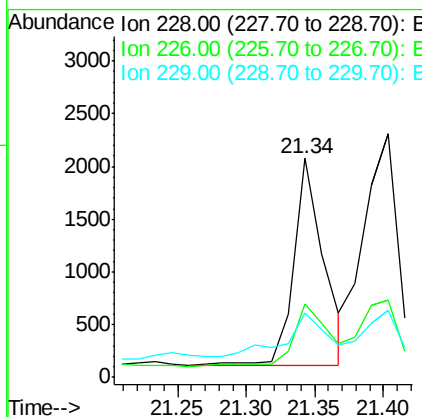
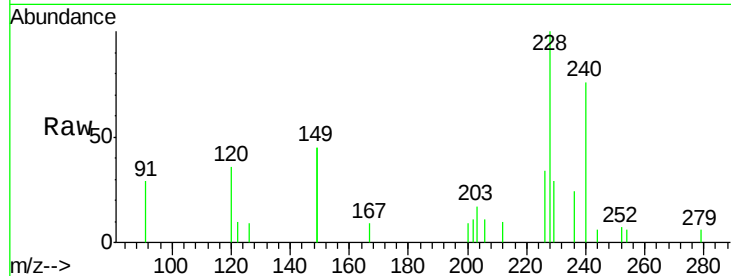
#30
Benzo(a)anthracene
Concen: 0.032 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099428.D
Acq: 30 Apr 2019 16:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B164-042319

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.6	21.0	31.6#
229	29.3	16.6	25.0#

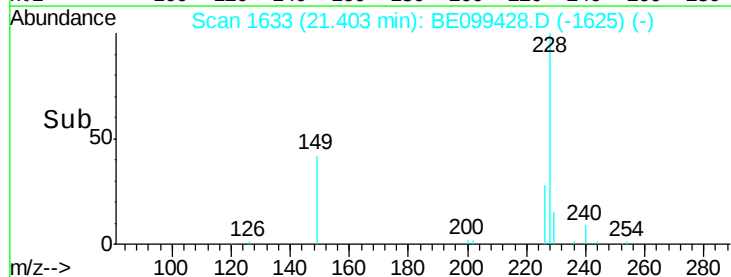
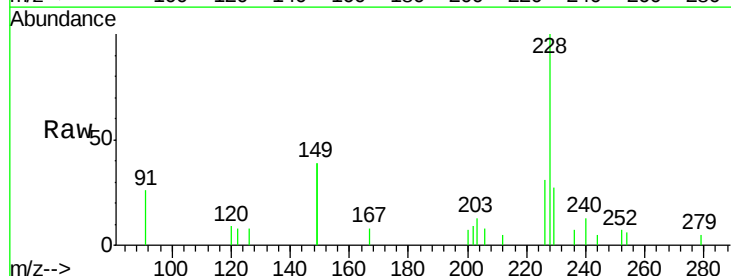
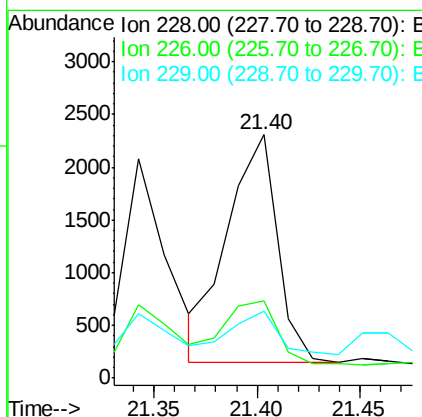
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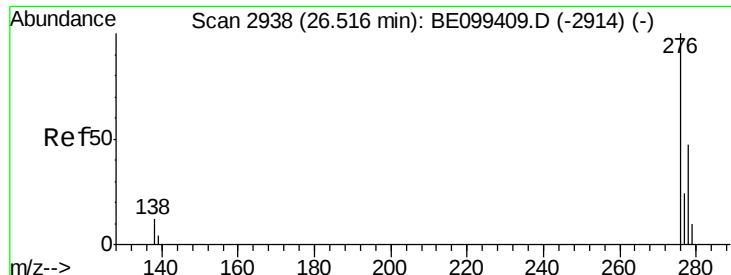
Sohil
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#31
Chrysene
Concen: 0.039 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099428.D
Acq: 30 Apr 2019 16:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.0	36.0
229	27.4	15.8	23.8#





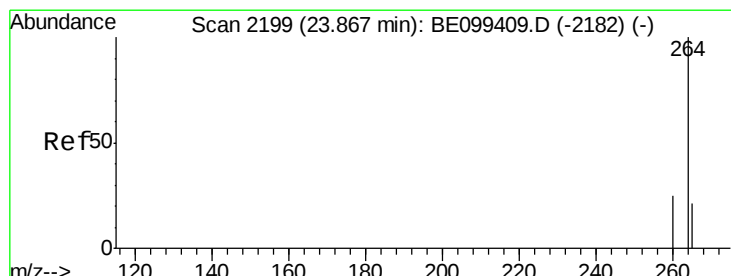
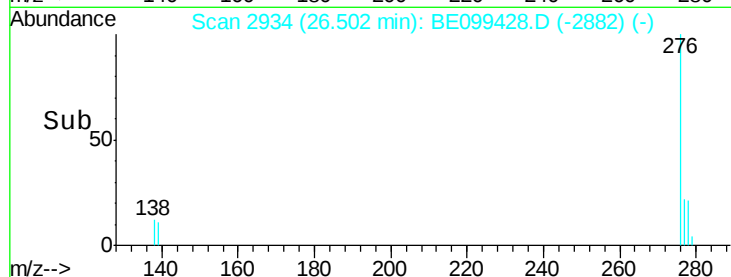
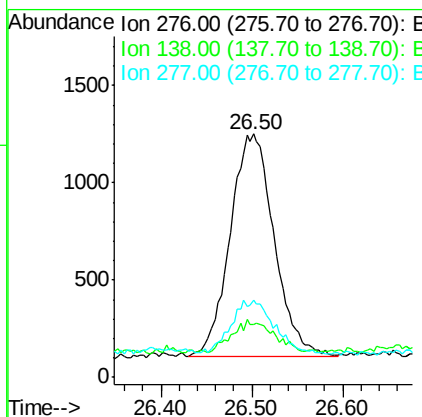
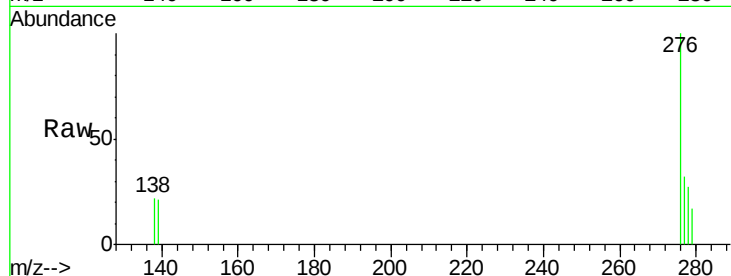
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.035 ng
 RT: 26.50 min Scan# 2934
 Delta R.T. -0.01 min
 Lab File: BE099428.D
 Acq: 30 Apr 2019 16:09

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B164-042319

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.9	10.2	15.2
277	9.2	19.2	28.8#

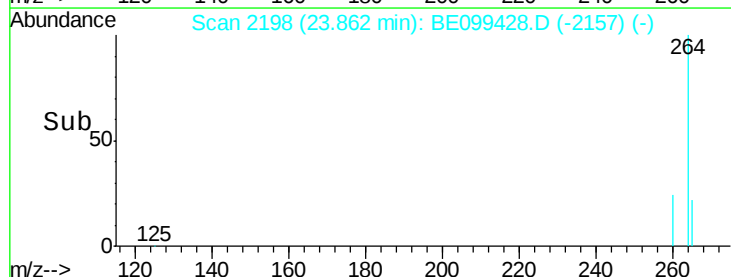
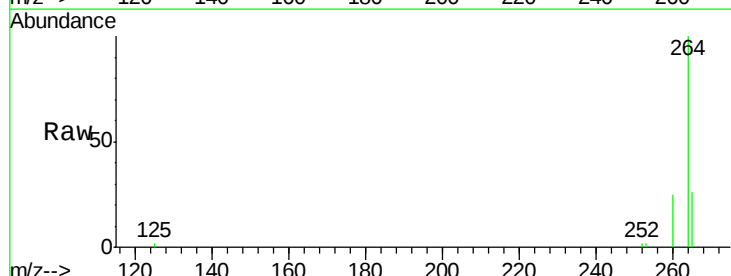
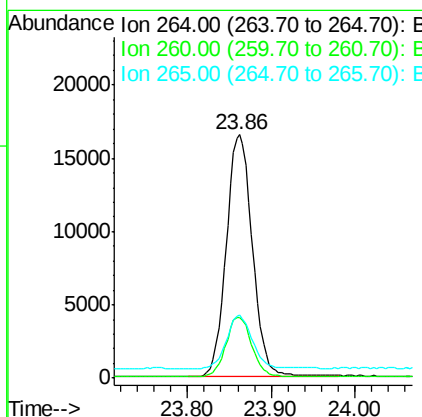
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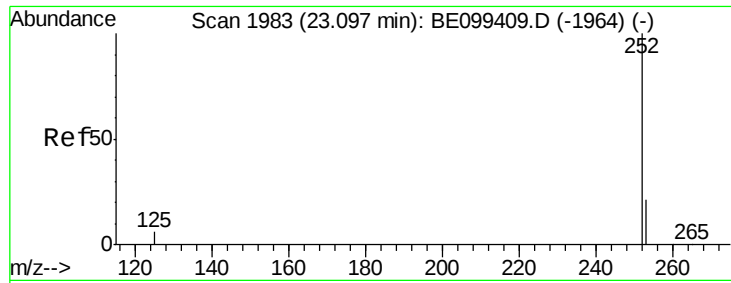
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BE099428.D
 Acq: 30 Apr 2019 16:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.2	30.2
265	25.7	21.3	31.9





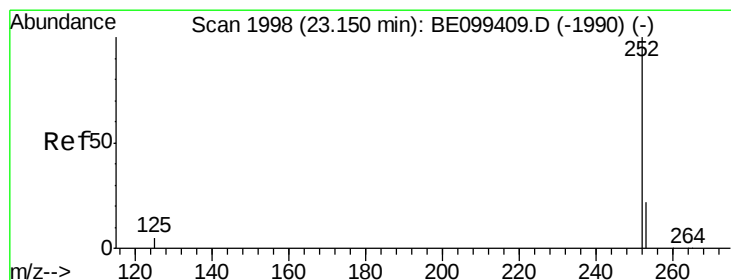
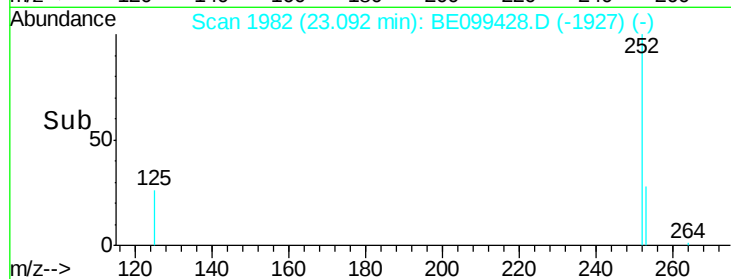
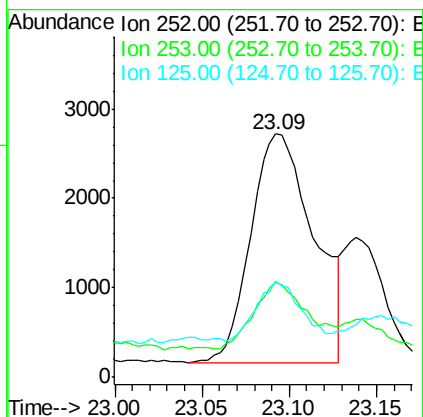
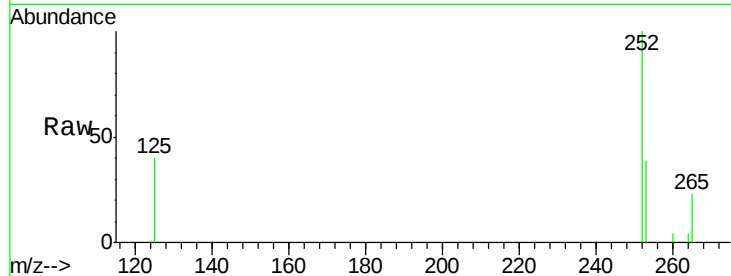
#35
Benzo(b)fluoranthene
Concen: 0.062 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE099428.D
Acq: 30 Apr 2019 16:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B164-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	39.0	18.1	27.1#
125	39.8	5.6	8.4#

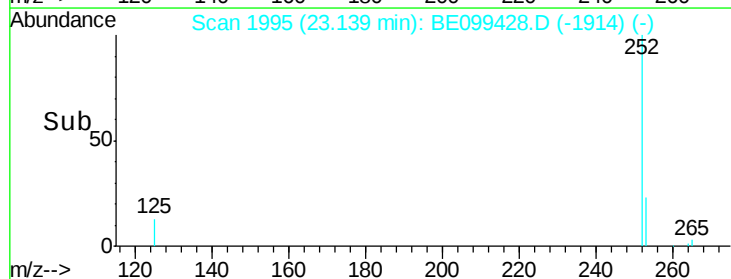
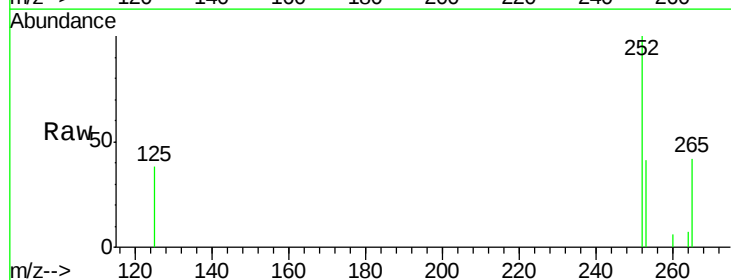
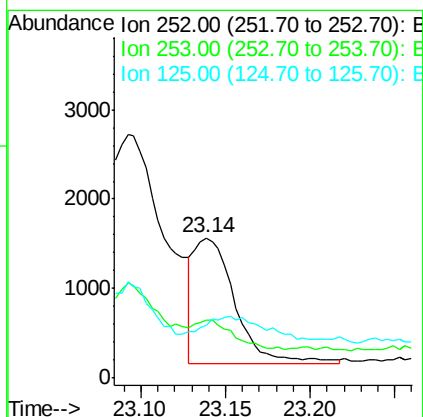
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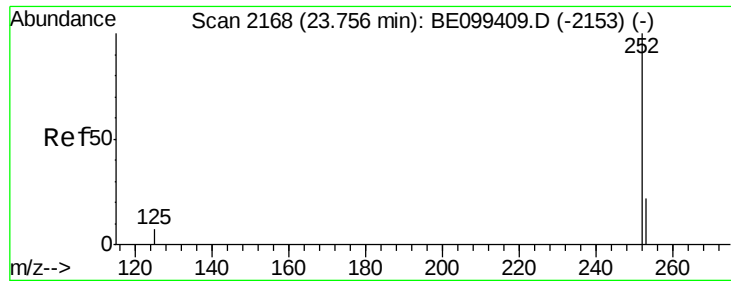
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#36
Benzo(k)fluoranthene
Concen: 0.024 ng m
RT: 23.14 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BE099428.D
Acq: 30 Apr 2019 16:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.3	18.4	27.6#
125	38.1	5.0	7.4#





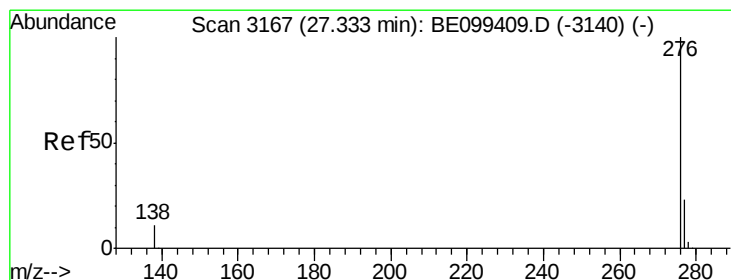
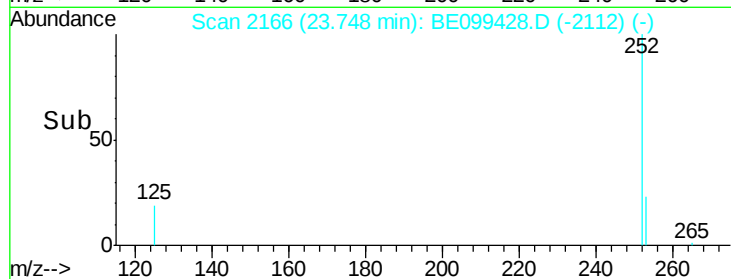
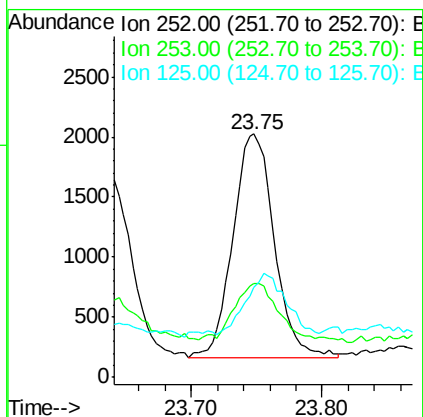
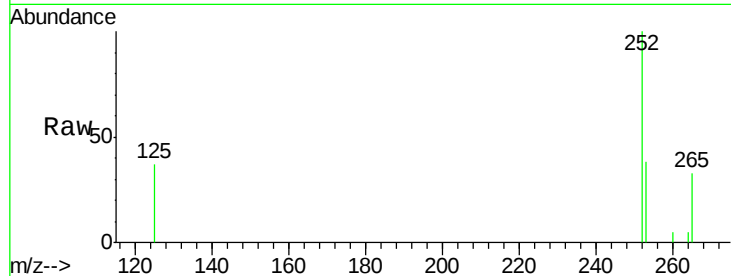
#37
Benzo(a)pyrene
Concen: 0.042 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BE099428.D
Acq: 30 Apr 2019 16:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B164-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.3	18.9	28.3#
125	36.8	6.7	10.1#

Manual Integrations
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#39
Benzo(g,h,i)perylene
Concen: 0.039 ng
RT: 27.32 min Scan# 3162
Delta R.T. -0.02 min
Lab File: BE099428.D
Acq: 30 Apr 2019 16:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.3	19.5	29.3#
138	21.8	9.6	14.4#

