

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099438.D
 Acq On : 30 Apr 2019 22:49
 Operator : JU/SJ
 Sample : K2568-17
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B174-042319

Manual Integrations
 APPROVED

Sohil
 5/1/2019 12:02:45 PM

Quant Time: May 01 02:26:53 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	2432	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8755	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6210	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	19582	0.40	ng	0.00
27) Chrysene-d12	21.37	240	30650	0.40	ng	0.00
34) Perylene-d12	23.86	264	35754	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2847	0.42	ng	0.00
5) Phenol-d6	6.97	99	3803	0.43	ng	0.00
8) Nitrobenzene-d5	8.96	82	3152	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5545	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	1621	0.41	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	8159	0.34	ng	-0.02
25) Fluoranthene-d10	19.21	212	89689	0.34	ng	0.00
29) Terphenyl-d14	19.81	244	19539	0.35	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	11149	0.117	ng	99
12) 2-Methylnaphthalene	12.27	142	645	0.039	ng	# 91
16) Acenaphthylene	14.18	152	3152	0.104	ng	# 94
17) Acenaphthene	14.51	154	1963	0.113	ng	99
18) Fluorene	15.49	166	2481	0.097	ng	# 96
23) Phenanthrene	17.23	178	84866	1.680	ng	99
24) Anthracene	17.32	178	10468	0.217	ng	# 88
26) Fluoranthene	19.25	202	202631	2.677	ng	100
28) Pyrene	19.61	202	201688	2.524	ng	# 96
30) Benzo(a)anthracene	21.34	228	129526	1.326	ng	98
31) Chrysene	21.40	228	133746	1.400	ng	96
32) Bis(2-ethylhexyl)phthalate	21.26	149	23135	0.096	ng	98
33) Indeno(1,2,3-cd)pyrene	26.49	276	78293	0.693	ng	98
35) Benzo(b)fluoranthene	23.09	252	155654	1.510	ng	98
36) Benzo(k)fluoranthene	23.14	252	60409m	0.608	ng	
37) Benzo(a)pyrene	23.75	252	110797	1.137	ng	99
38) Dibenzo(a,h)anthracene	26.52	278	19966	0.200	ng	# 91
39) Benzo(g,h,i)perylene	27.31	276	77490	0.776	ng	99

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

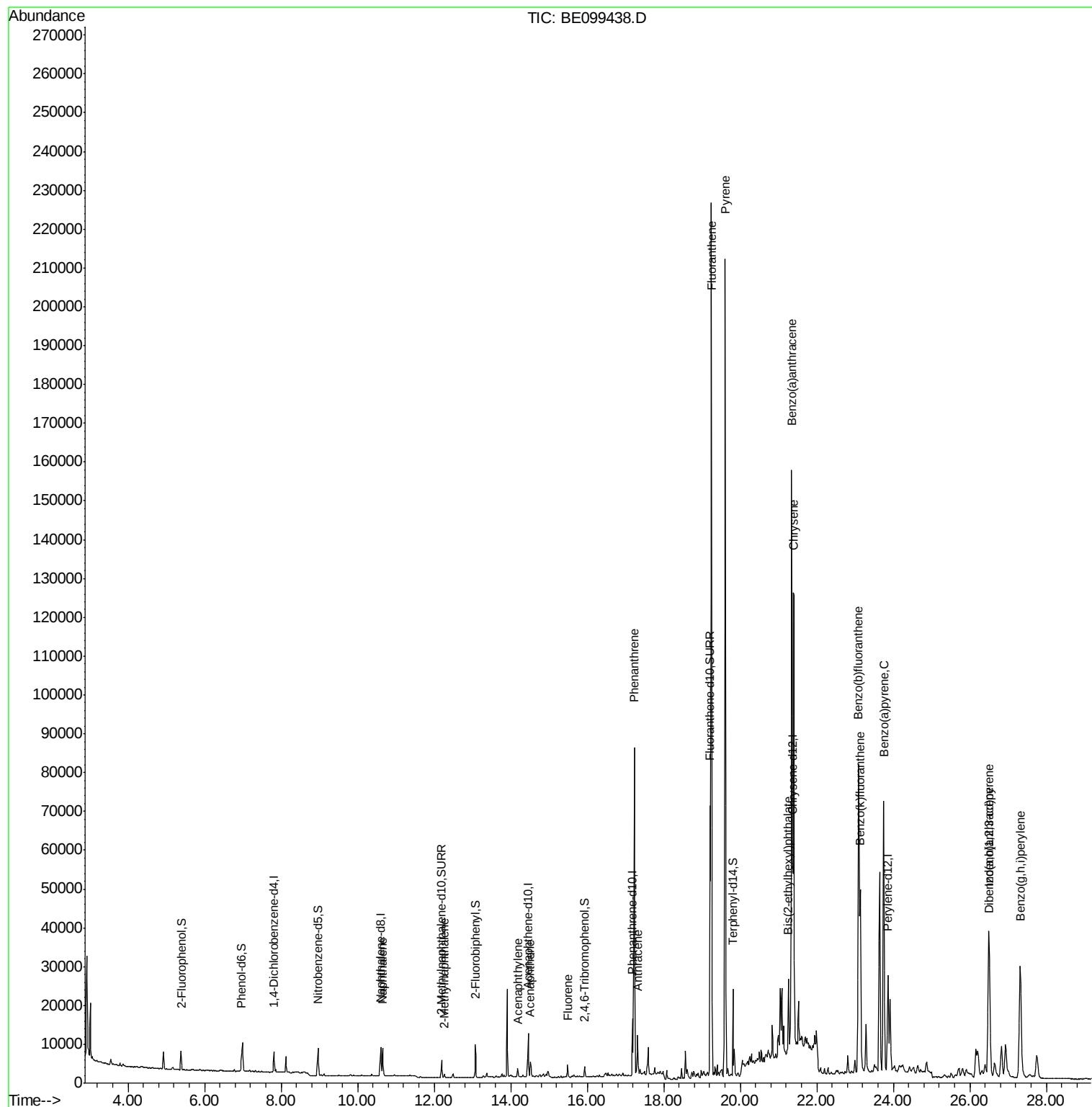
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
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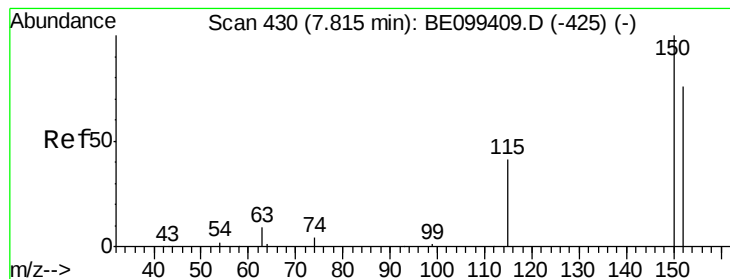
Instrument :
BNA_E
ClientSampleId :
PST-003-B174-042319

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Quant Time: May 01 02:26:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
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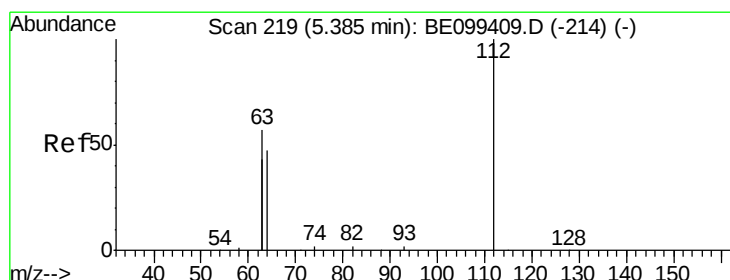
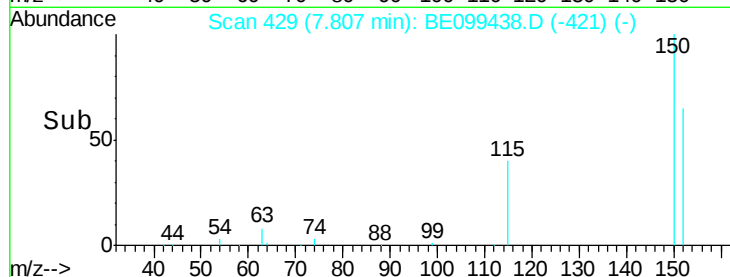
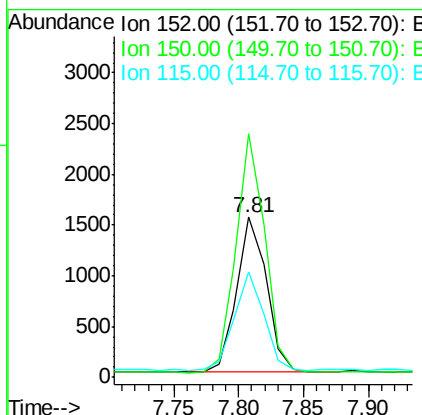
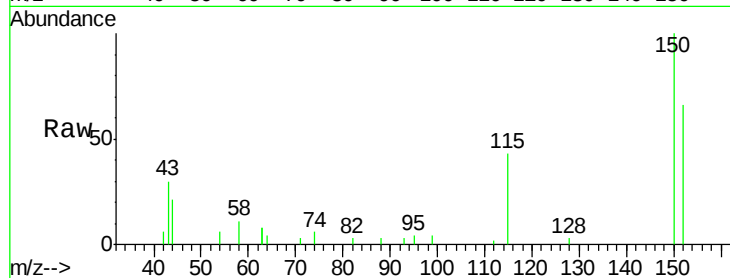
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 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.81 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: BE099438.D
 Acq: 30 Apr 2019 22:49

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B174-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.0	104.8	157.2
115	65.5	46.6	69.8

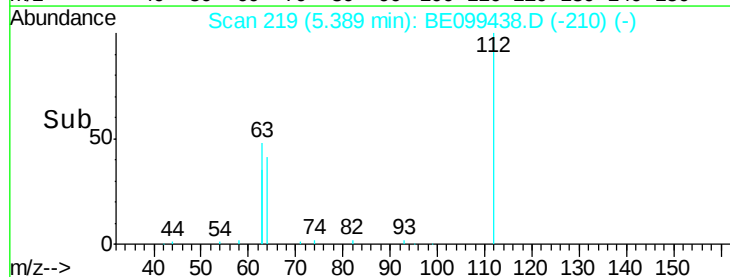
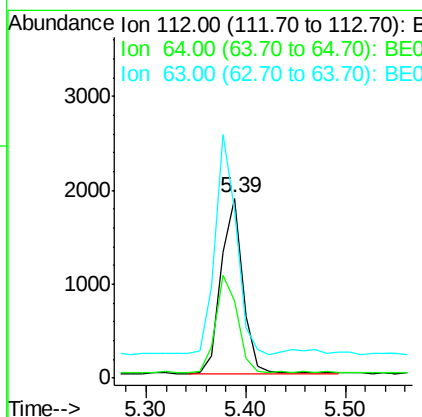
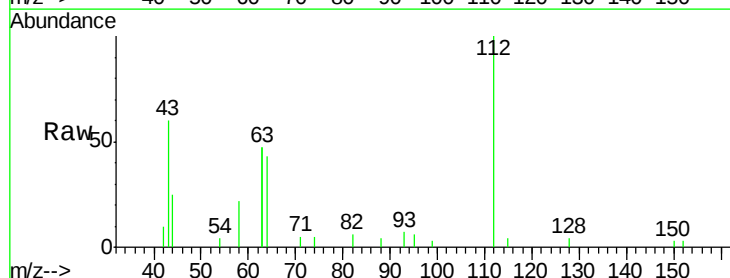
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#4
 2-Fluorophenol
 Concen: 0.423 ng
 RT: 5.39 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: BE099438.D
 Acq: 30 Apr 2019 22:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	47.4	71.0
63	121.4	104.3	156.5





#5

Phenol-d6

Concen: 0.425 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099438.D

Acq: 30 Apr 2019 22:49

Instrument :

BNA_E

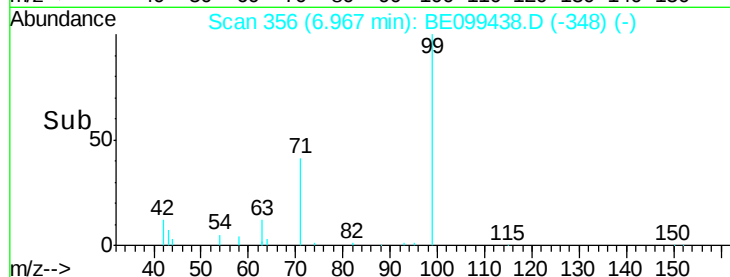
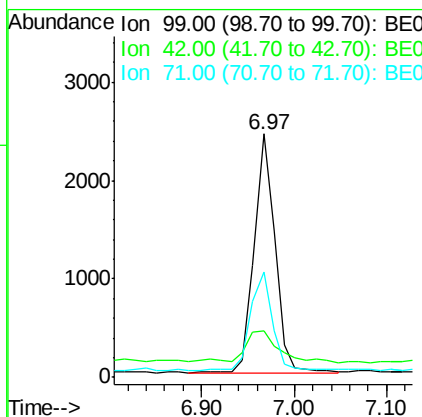
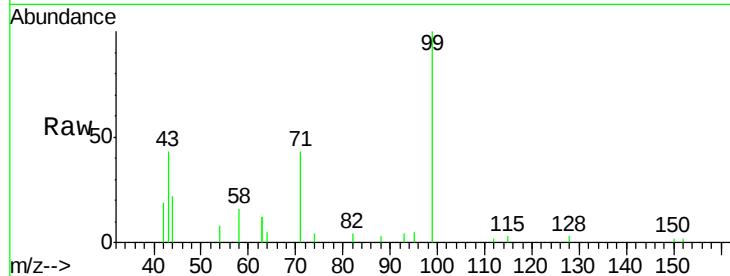
ClientSampleId :

PST-003-B174-042319

Tgt Ion:	99	Resp:	3803
Ion Ratio	Lower	Upper	
99	100		
42	23.0	14.9	22.3#
71	42.8	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

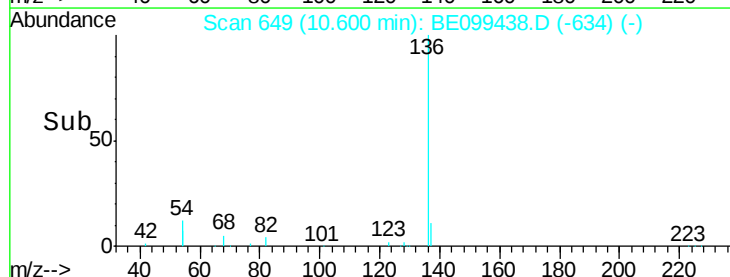
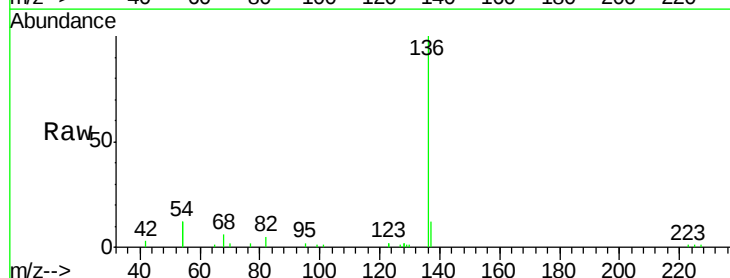
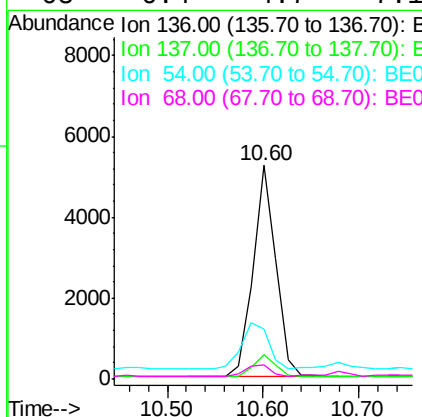
RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099438.D

Acq: 30 Apr 2019 22:49

Tgt Ion:	136	Resp:	8755
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.8	14.8
54	23.2	18.5	27.7
68	6.4	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.384 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099438.D

Acq: 30 Apr 2019 22:49

Instrument :

BNA_E

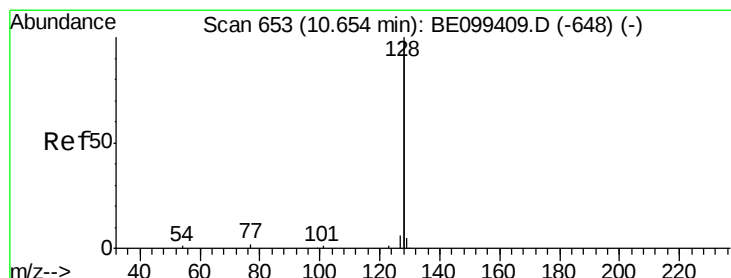
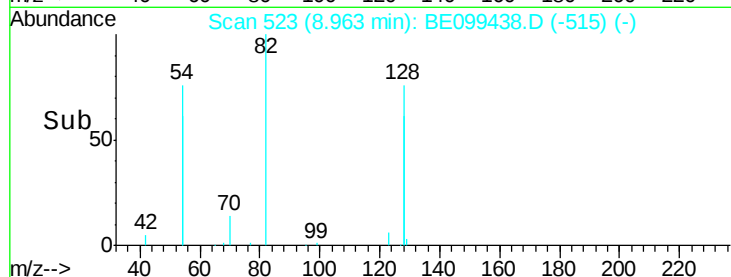
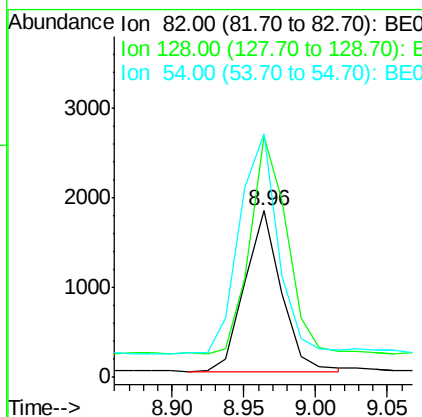
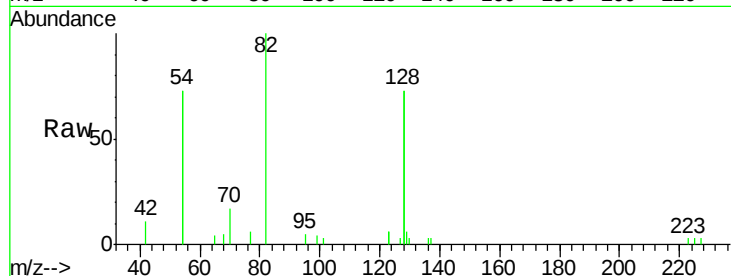
ClientSampleId :

PST-003-B174-042319

Tgt Ion:	82	Resp:	3152
Ion Ratio	Lower	Upper	
82	100		
128	145.1	107.0	160.4
54	146.2	113.1	169.7

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#9

Naphthalene

Concen: 0.117 ng

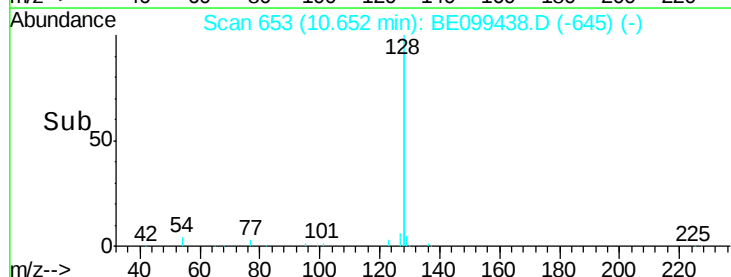
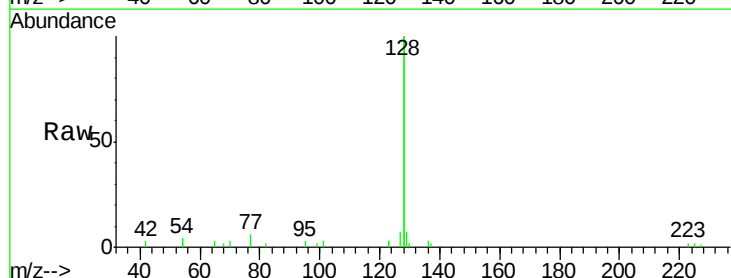
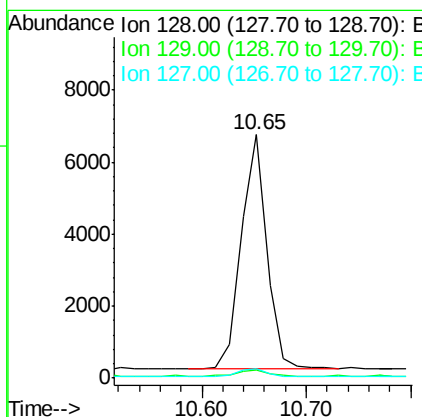
RT: 10.65 min Scan# 653

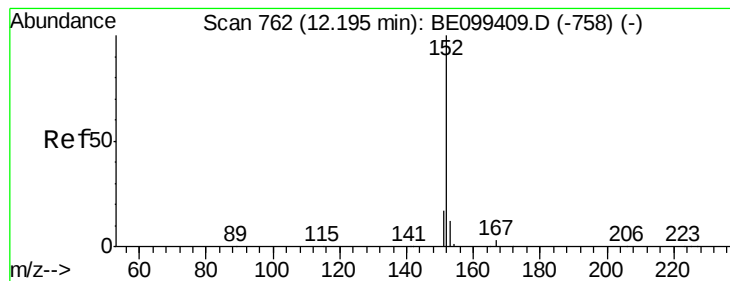
Delta R.T. -0.00 min

Lab File: BE099438.D

Acq: 30 Apr 2019 22:49

Tgt Ion:	128	Resp:	11149
Ion Ratio	Lower	Upper	
128	100		
129	3.5	2.4	3.6
127	3.7	2.8	4.2





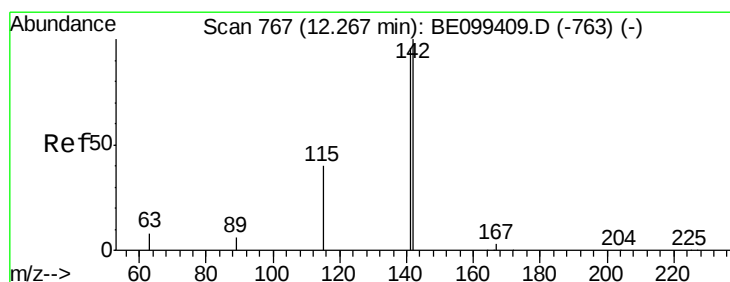
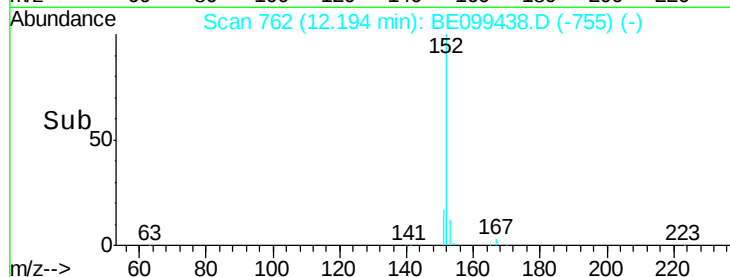
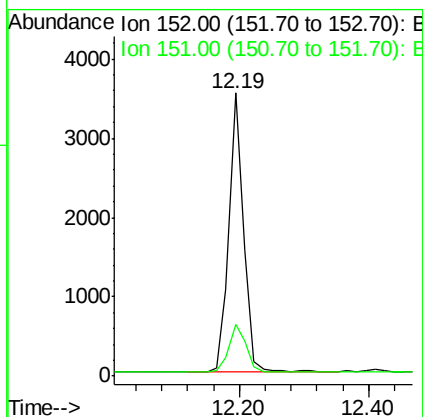
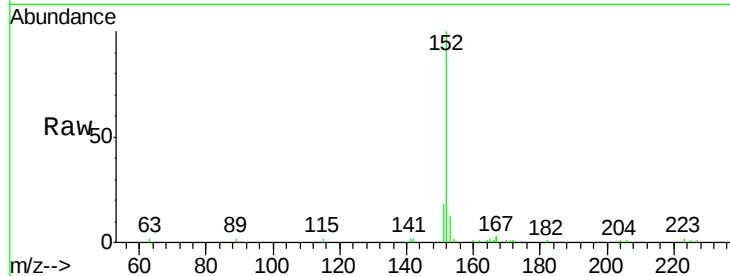
#11
2-Methylnaphthalene-d10
Concen: 0.352 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099438.D
Acq: 30 Apr 2019 22:49

Instrument :
BNA_E
ClientSampleId :
PST-003-B174-042319

Tgt Ion:152 Resp: 5545
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3

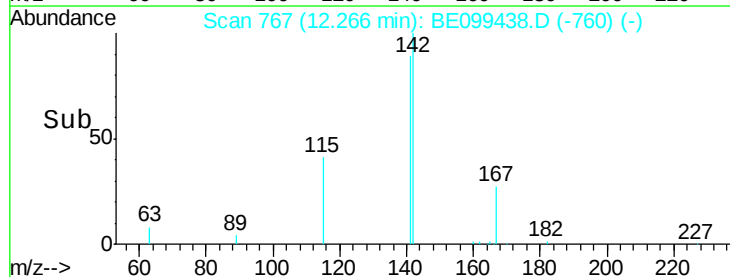
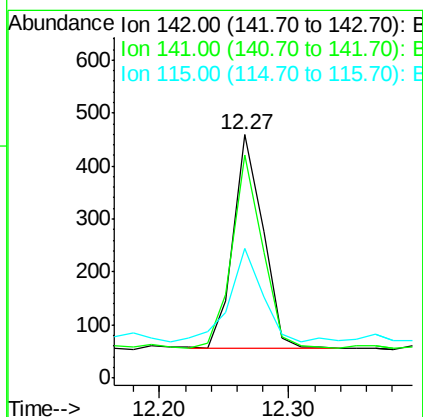
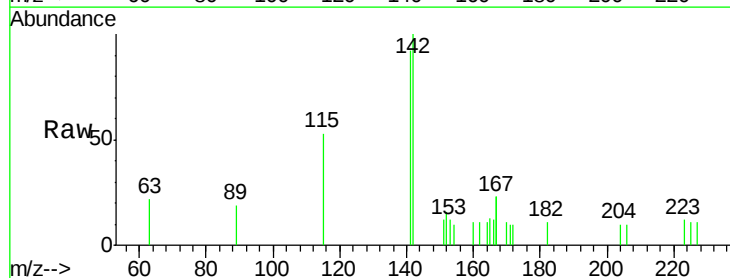
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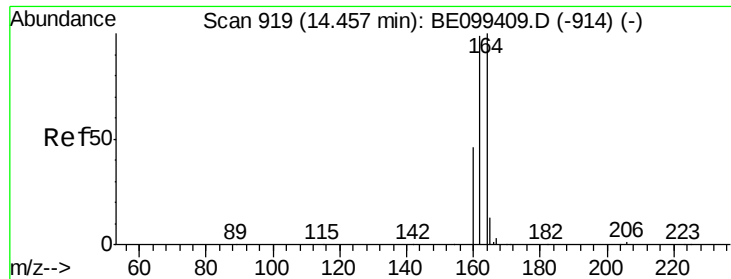
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#12
2-Methylnaphthalene
Concen: 0.039 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099438.D
Acq: 30 Apr 2019 22:49

Tgt Ion:142 Resp: 645
Ion Ratio Lower Upper
142 100
141 91.5 77.0 115.4
115 53.2 33.4 50.0#





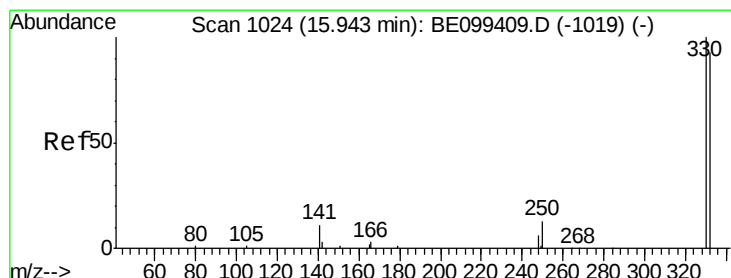
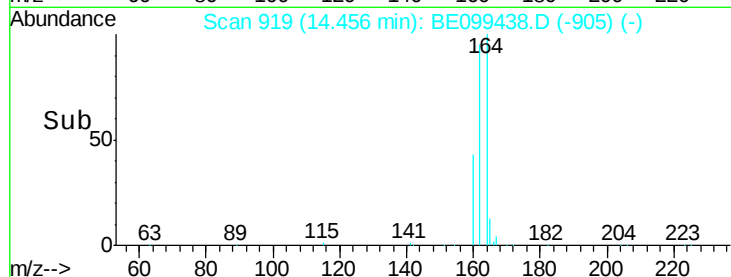
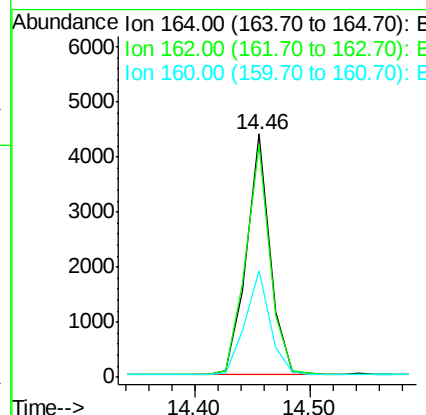
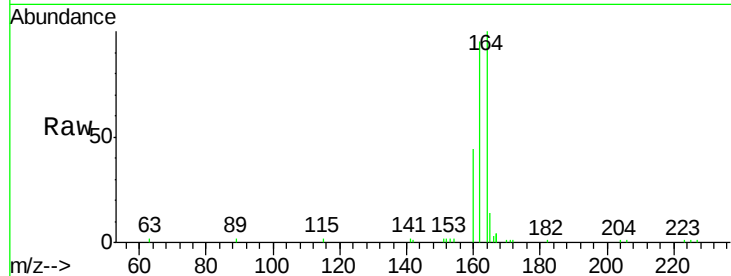
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099438.D
Acq: 30 Apr 2019 22:49

Instrument :
BNA_E
ClientSampleId :
PST-003-B174-042319

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.3	79.0	118.4
160	43.7	37.0	55.4

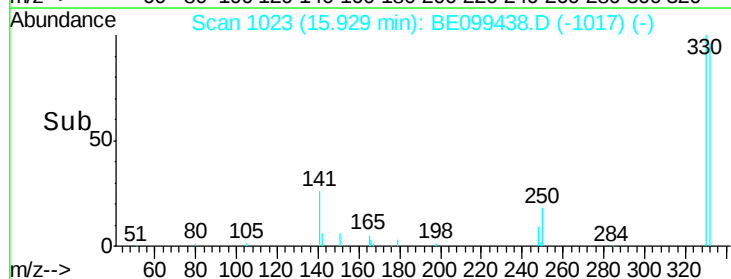
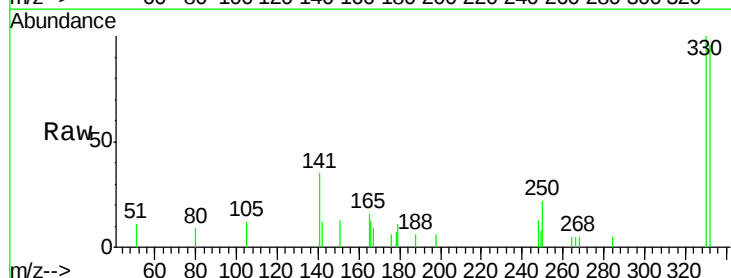
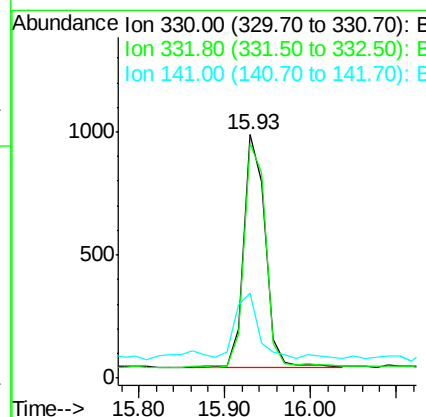
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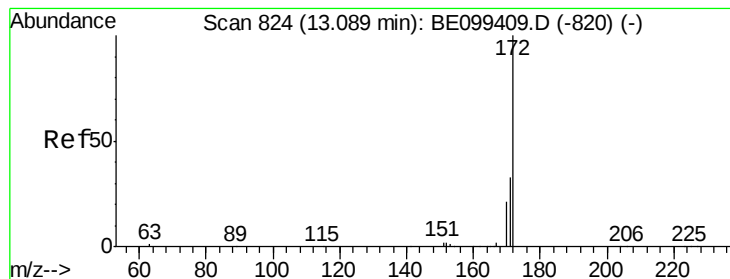
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#14
2,4,6-Tribromophenol
Concen: 0.414 ng
RT: 15.93 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BE099438.D
Acq: 30 Apr 2019 22:49

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.2	71.5	107.3
141	31.0	24.0	36.0





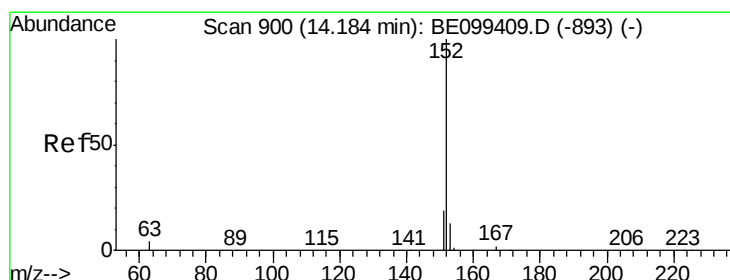
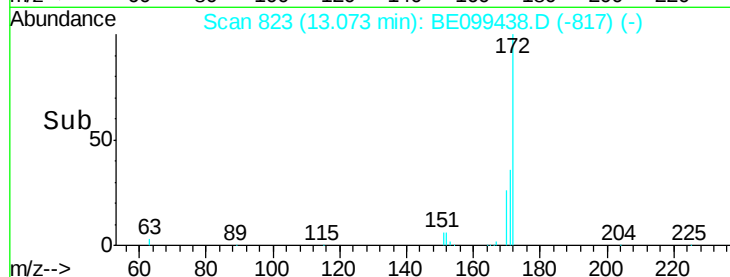
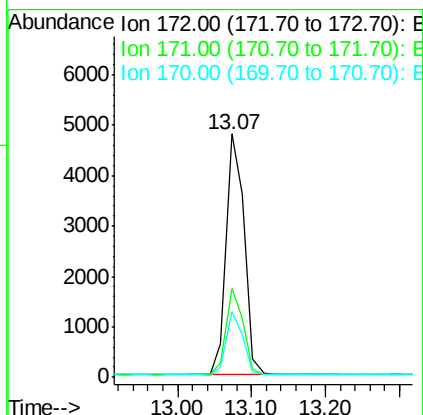
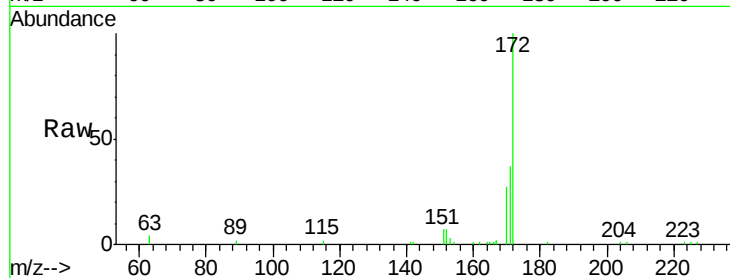
#15
2-Fluorobiphenyl
Concen: 0.344 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099438.D
Acq: 30 Apr 2019 22:49

Instrument :
BNA_E
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	26.6	39.8
170	26.9	17.0	25.6

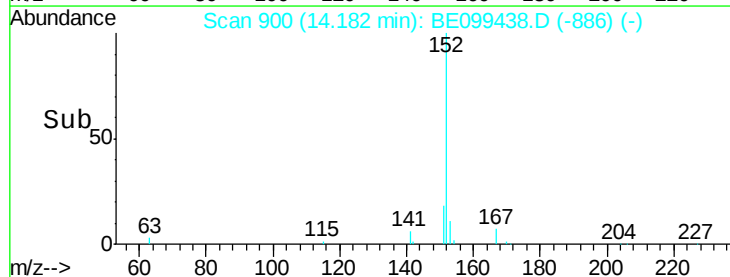
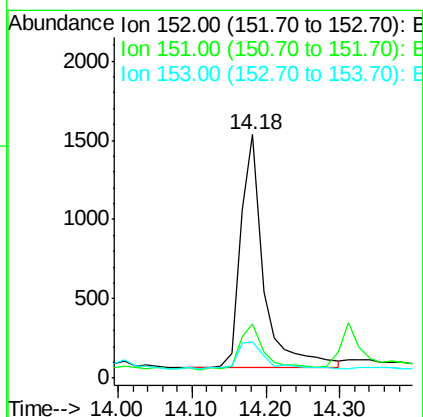
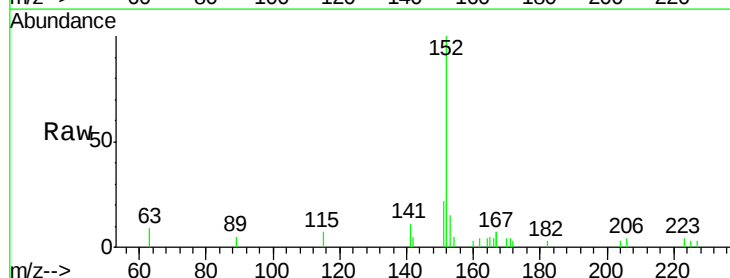
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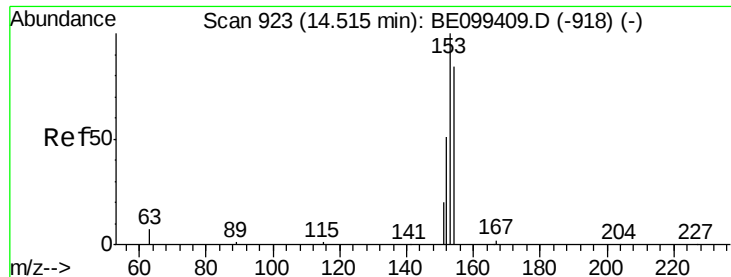
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#16
Acenaphthylene
Concen: 0.104 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099438.D
Acq: 30 Apr 2019 22:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.2	15.4	23.2
153	15.2	9.8	14.6





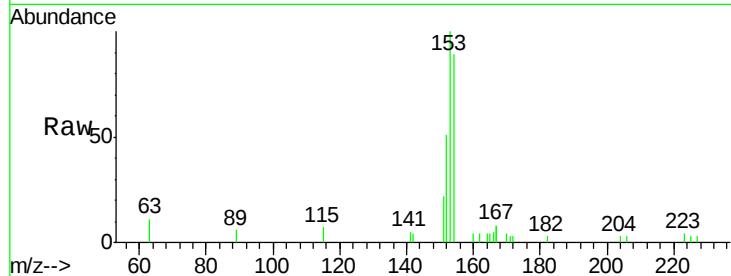
#17
Acenaphthene
Concen: 0.113 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099438.D
Acq: 30 Apr 2019 22:49

Instrument :
BNA_E
ClientSampleId :
PST-003-B174-042319

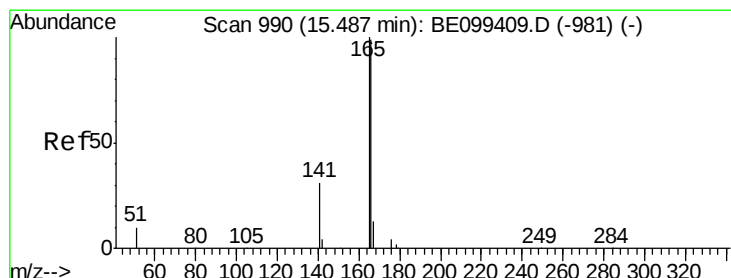
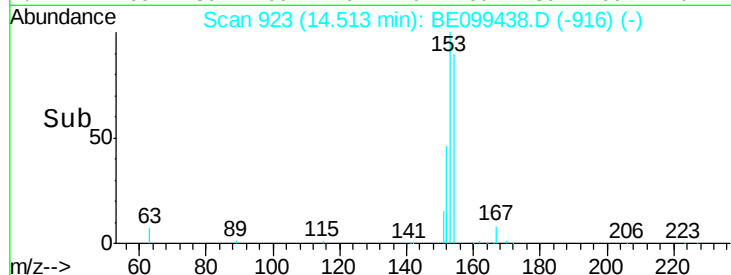
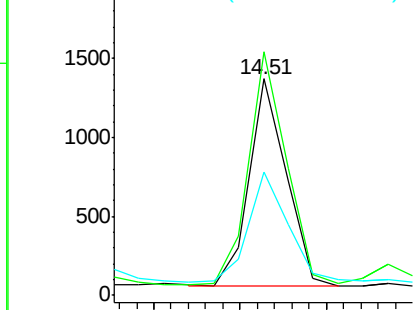
Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.2	92.6	138.8
152	55.5	45.8	68.8

Manual Integrations
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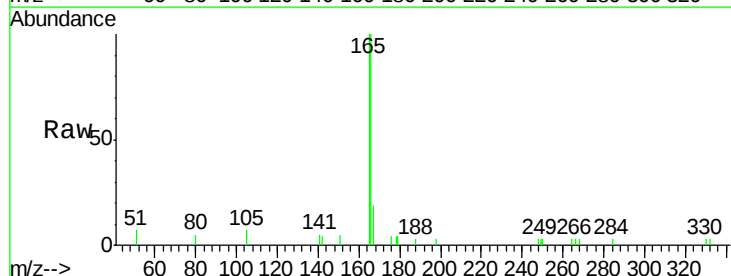


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

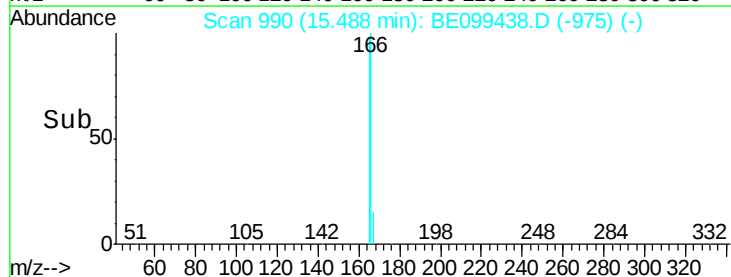
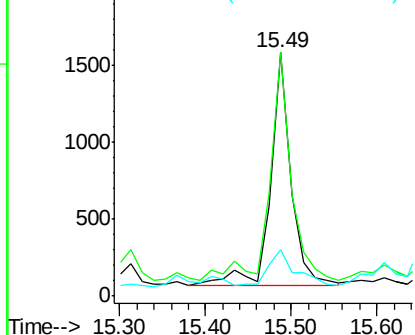


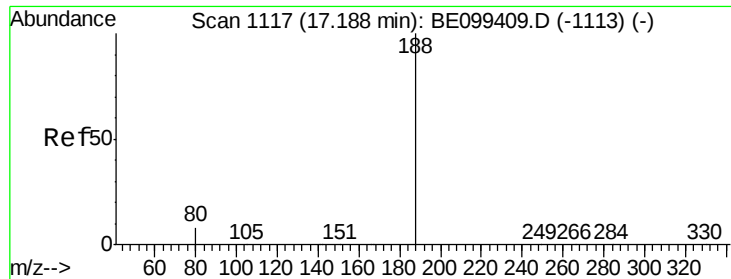
#18
Fluorene
Concen: 0.097 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099438.D
Acq: 30 Apr 2019 22:49

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.1	80.3	120.5
167	19.2	10.7	16.1#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





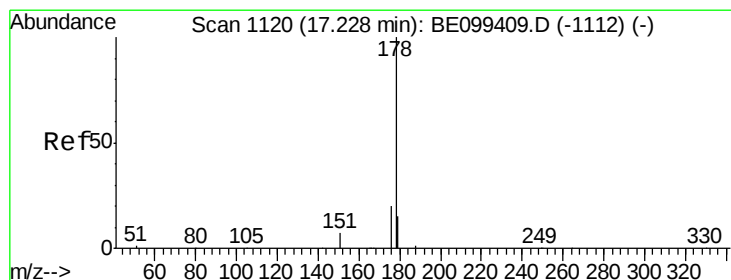
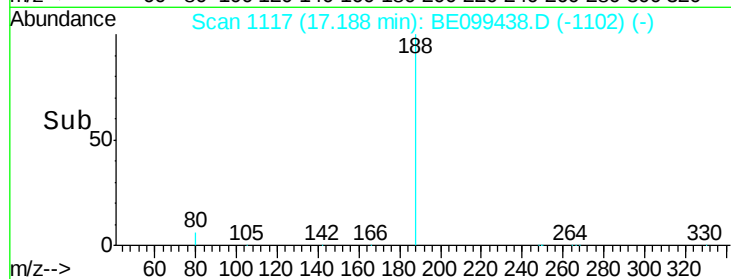
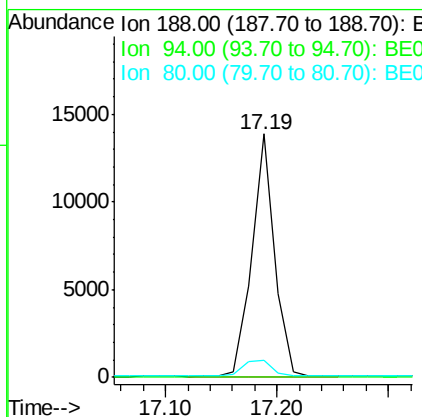
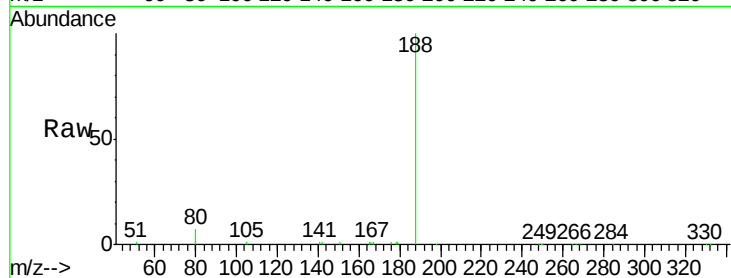
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099438.D
Acq: 30 Apr 2019 22:49

Instrument :
BNA_E
ClientSampleId :
PST-003-B174-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	7.0	6.7	10.1

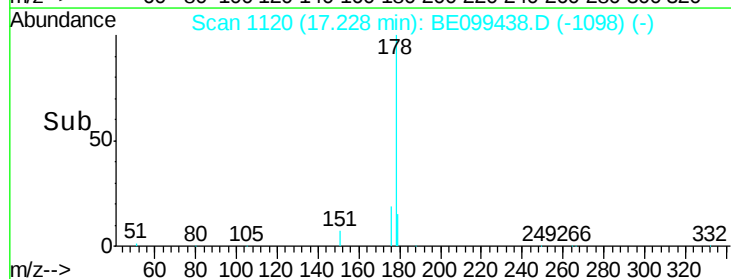
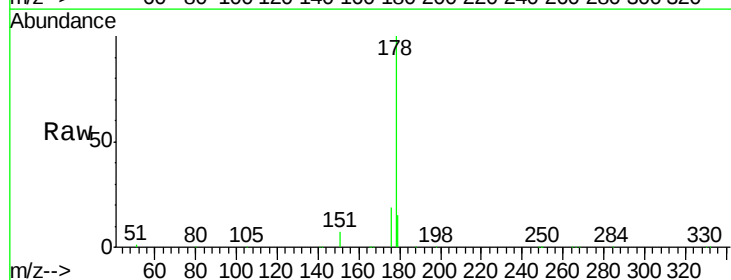
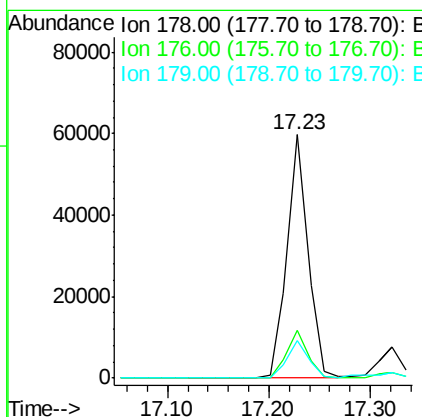
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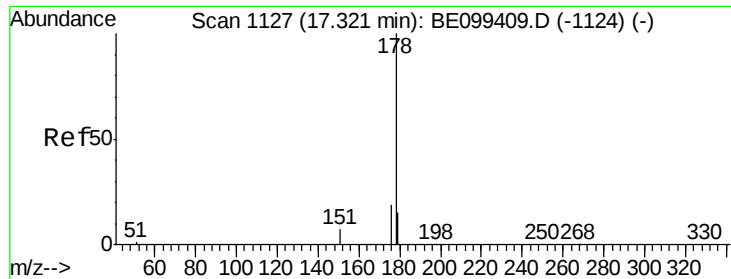
Sohil
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#23
Phenanthrene
Concen: 1.680 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099438.D
Acq: 30 Apr 2019 22:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	15.6	23.4
179	15.5	12.0	18.0





#24

Anthracene

Concen: 0.217 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099438.D

Acq: 30 Apr 2019 22:49

Instrument :

BNA_E

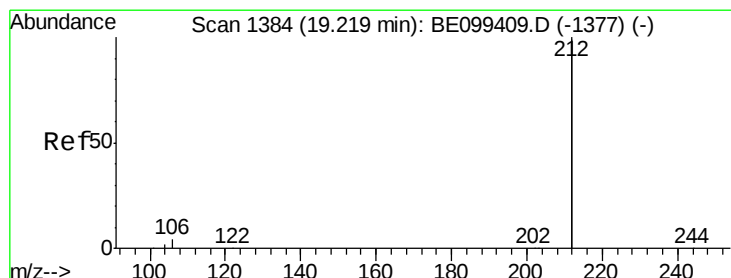
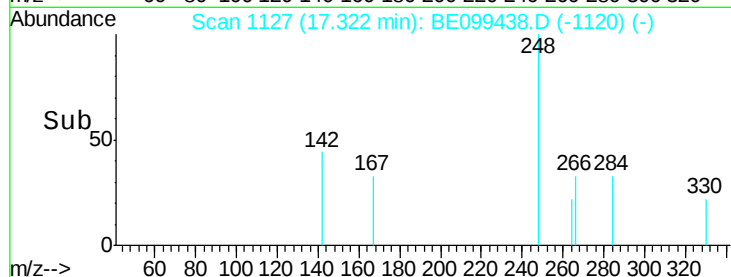
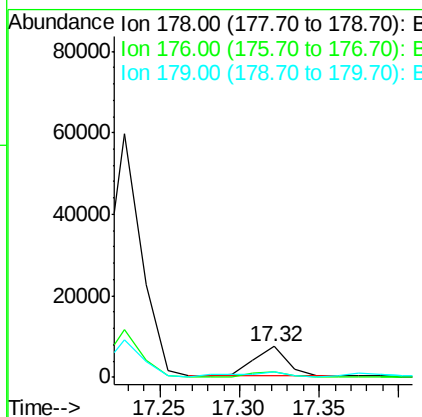
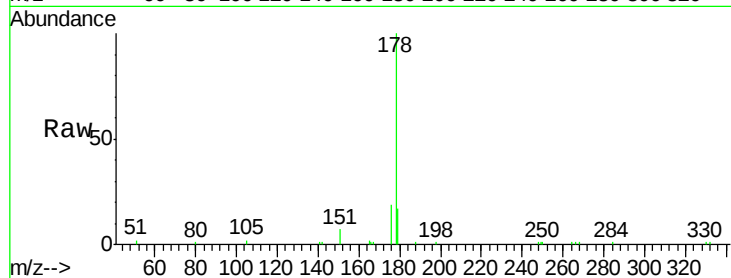
ClientSampleId :

PST-003-B174-042319

Tgt Ion:	178	Resp:	10468
Ion Ratio	Lower	Upper	
178	100		
176	21.4	14.9	22.3
179	22.5	11.9	17.9#

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#25

Fluoranthene-d10

Concen: 0.340 ng

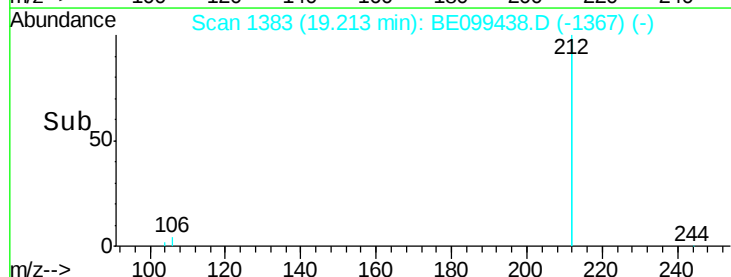
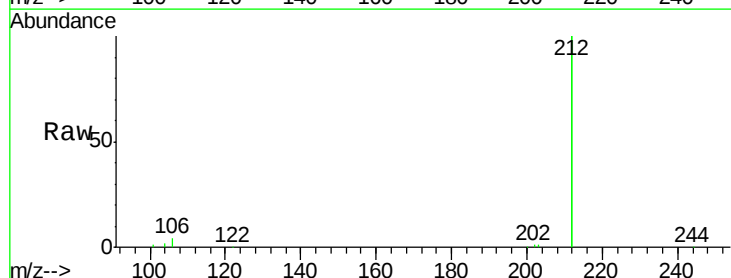
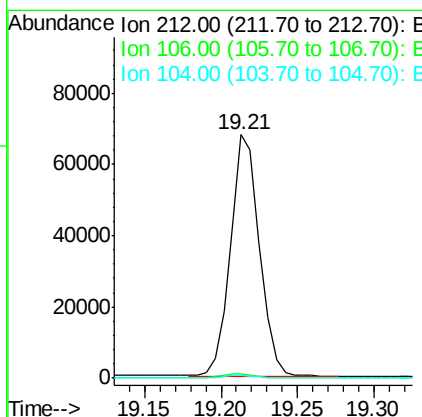
RT: 19.21 min Scan# 1383

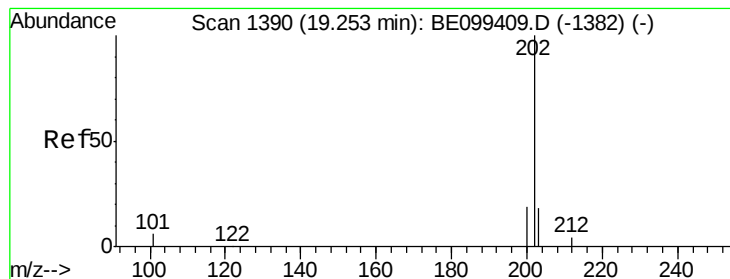
Delta R.T. -0.01 min

Lab File: BE099438.D

Acq: 30 Apr 2019 22:49

Tgt Ion:	212	Resp:	89689
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.5	2.3
104	1.2	0.9	1.3





#26

Fluoranthene

Concen: 2.677 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099438.D

Acq: 30 Apr 2019 22:49

Instrument :

BNA_E

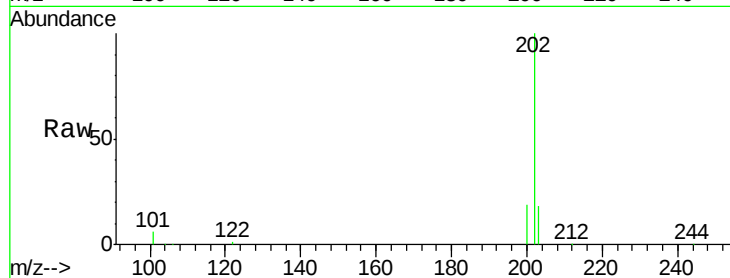
ClientSampleId :

PST-003-B174-042319

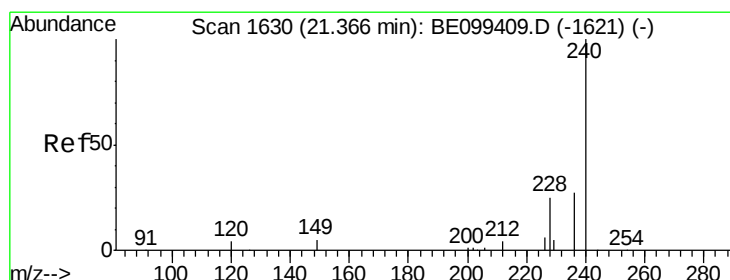
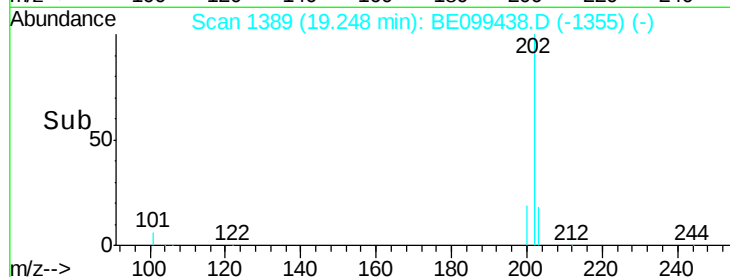
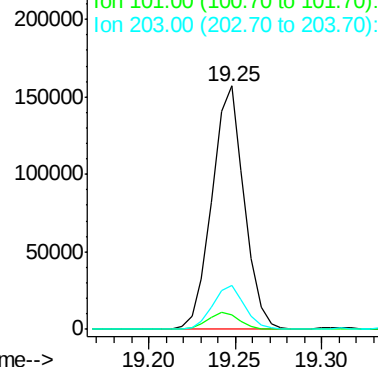
Tgt	Ion	202	Resp:	202631
Ion	Ratio	Lower	Upper	
202	100			
101	6.7	5.4	8.0	
203	17.5	13.9	20.9	

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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

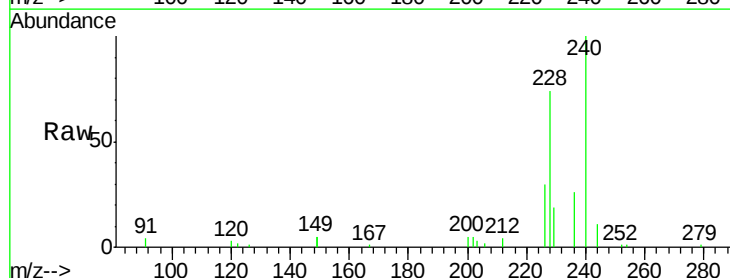
RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

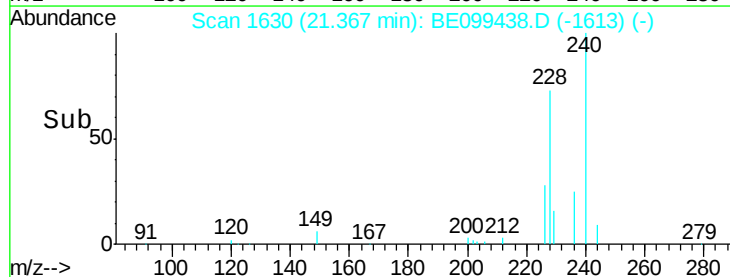
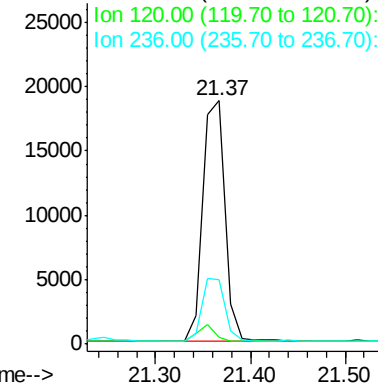
Lab File: BE099438.D

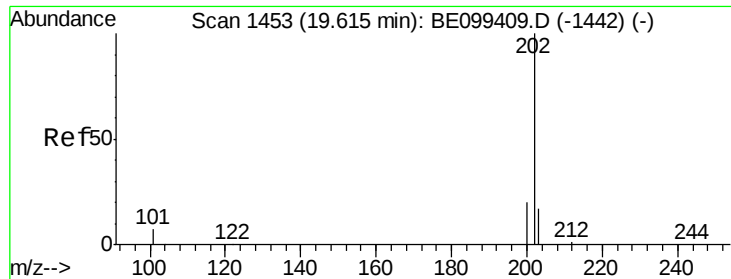
Acq: 30 Apr 2019 22:49

Tgt	Ion	240	Resp:	30650
Ion	Ratio	Lower	Upper	
240	100			
120	3.1	4.0	6.0#	
236	26.2	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





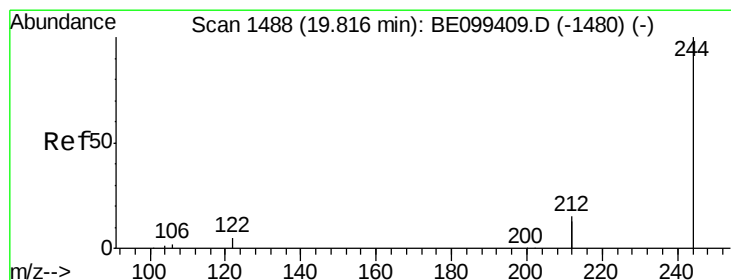
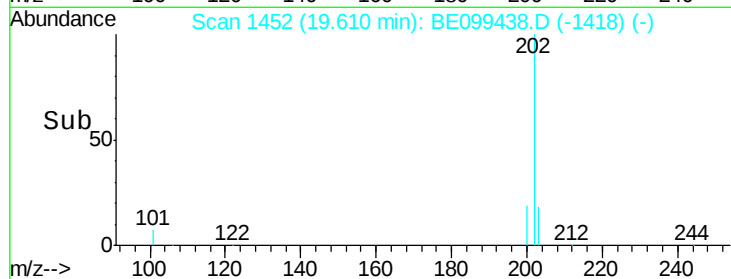
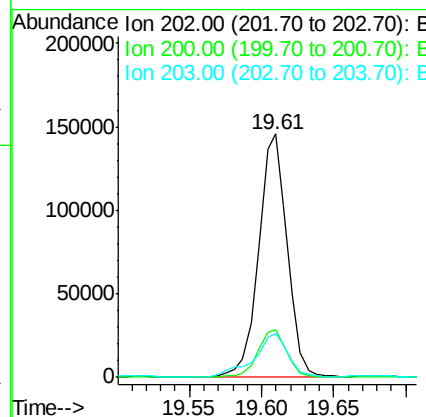
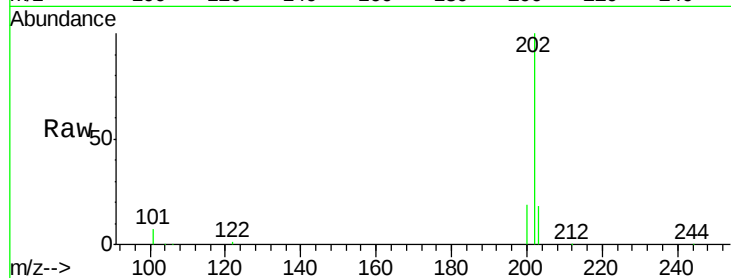
#28
 Pyrene
 Concen: 2.524 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099438.D
 Acq: 30 Apr 2019 22:49

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B174-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.7	15.7	23.5
203	21.4	13.9	20.9

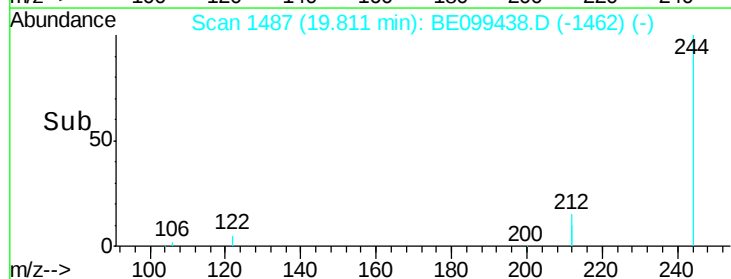
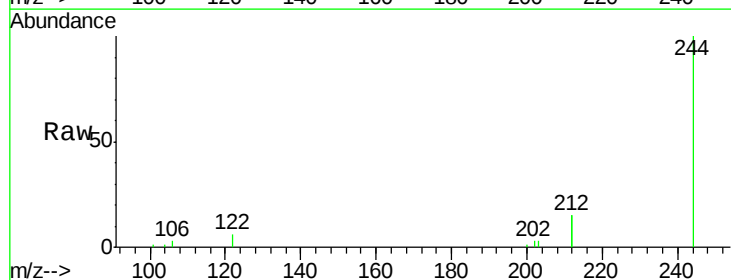
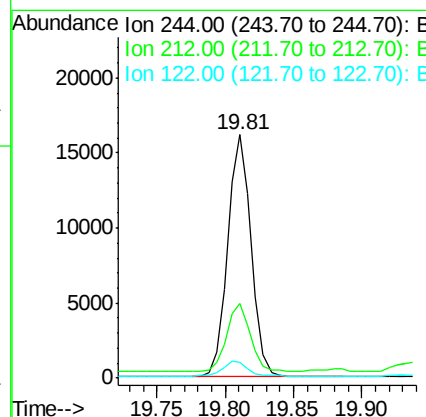
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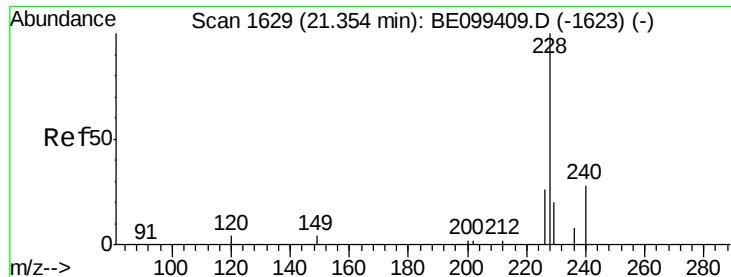
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#29
 Terphenyl-d14
 Concen: 0.348 ng
 RT: 19.81 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BE099438.D
 Acq: 30 Apr 2019 22:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	30.7	23.2	34.8
122	6.2	4.2	6.4





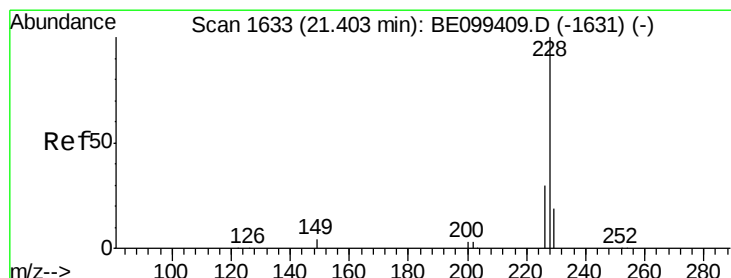
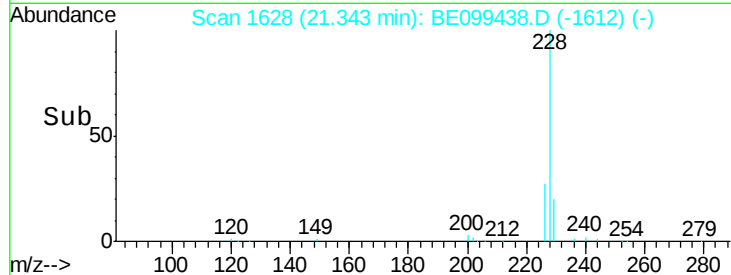
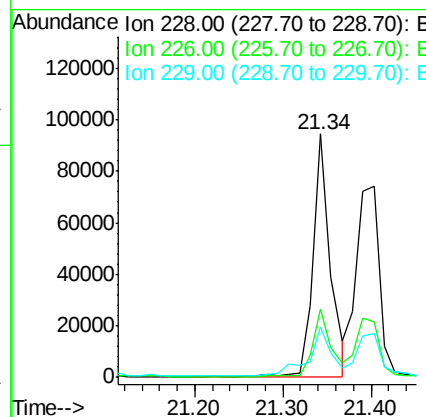
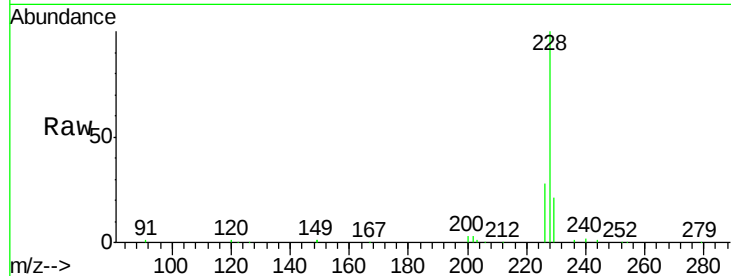
#30
Benzo(a)anthracene
Concen: 1.326 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099438.D
Acq: 30 Apr 2019 22:49

Instrument :
BNA_E
ClientSampleId :
PST-003-B174-042319

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.0	31.6
229	20.6	16.6	25.0

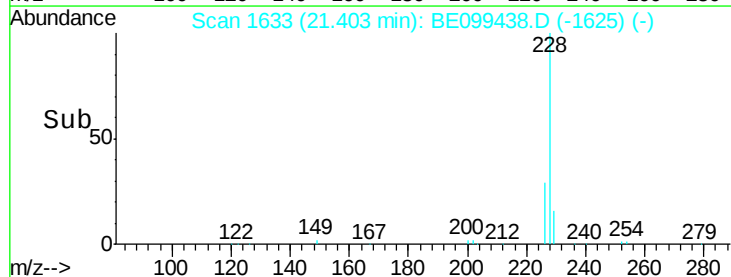
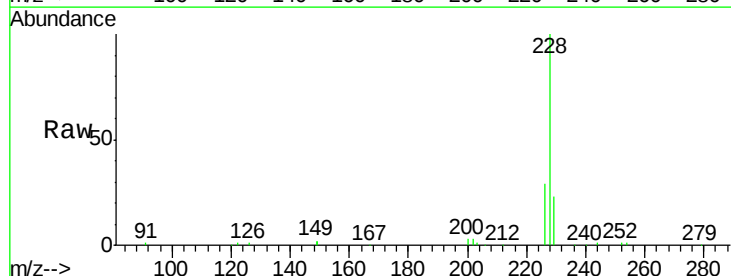
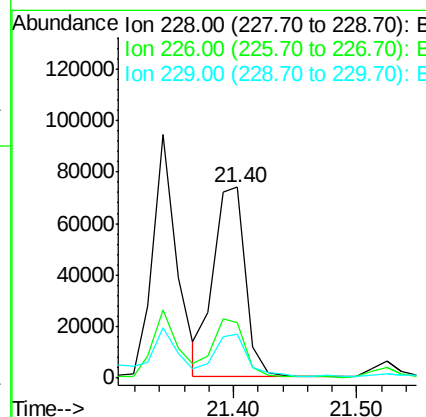
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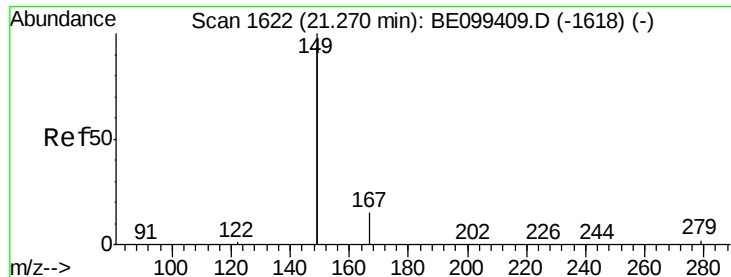
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#31
Chrysene
Concen: 1.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099438.D
Acq: 30 Apr 2019 22:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.0	36.0
229	23.1	15.8	23.8





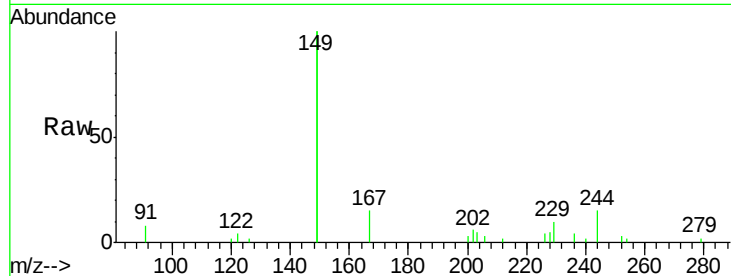
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.096 ng
 RT: 21.26 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BE099438.D
 Acq: 30 Apr 2019 22:49

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B174-042319

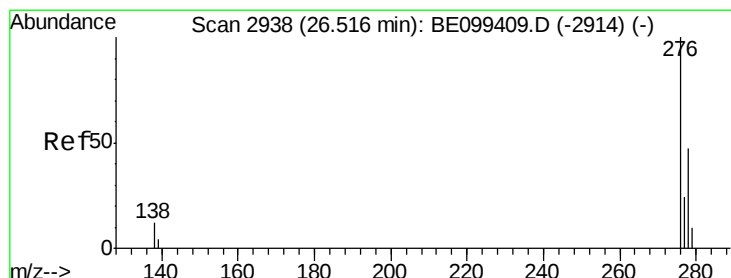
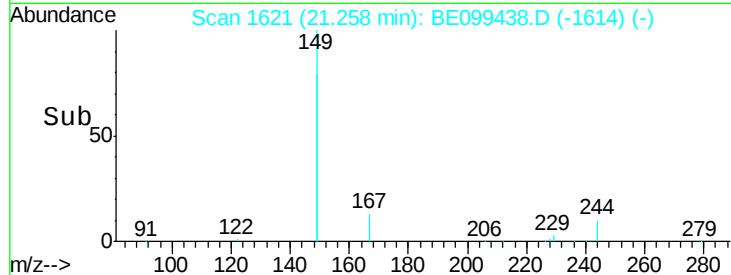
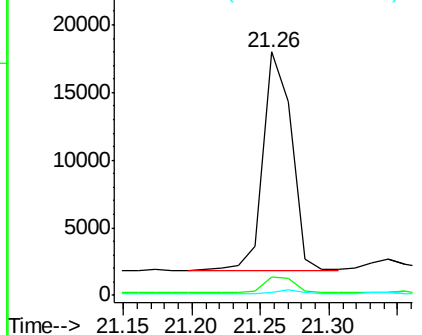
Tgt Ion:	149	Resp:	23135
Ion Ratio	Lower	Upper	
149	100		
167	8.1	5.8	8.6
279	1.5	1.0	1.6

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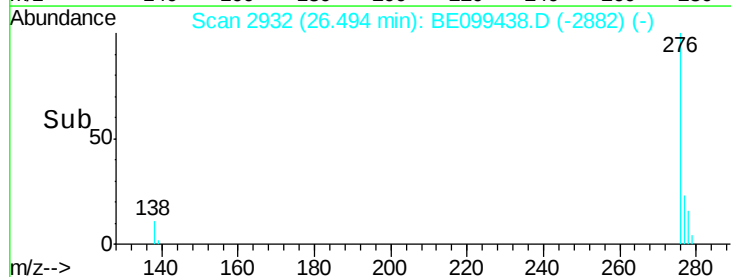
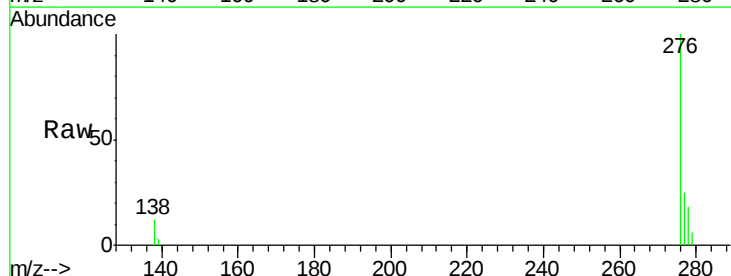
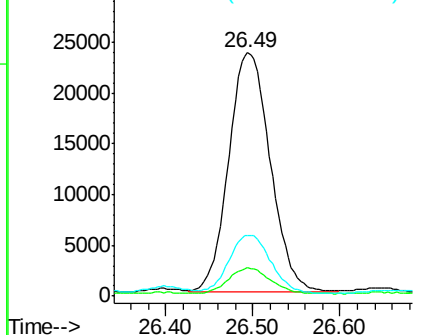
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

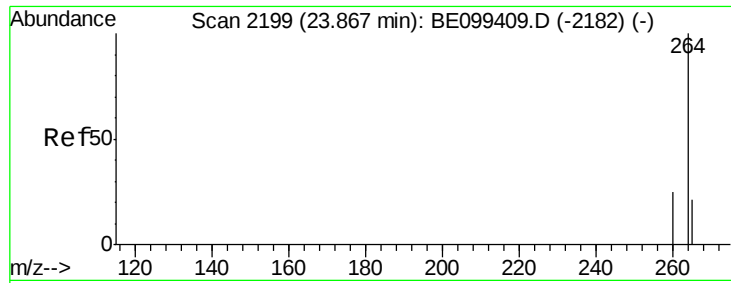


#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.693 ng
 RT: 26.49 min Scan# 2932
 Delta R.T. -0.02 min
 Lab File: BE099438.D
 Acq: 30 Apr 2019 22:49

Tgt Ion:	276	Resp:	78293
Ion Ratio	Lower	Upper	
276	100		
138	10.9	10.2	15.2
277	24.5	19.2	28.8

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





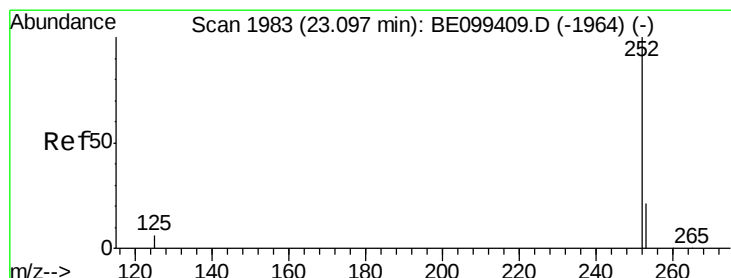
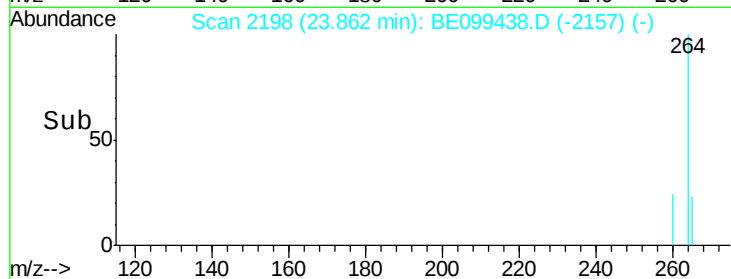
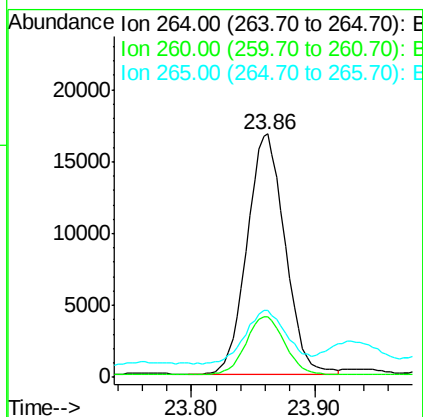
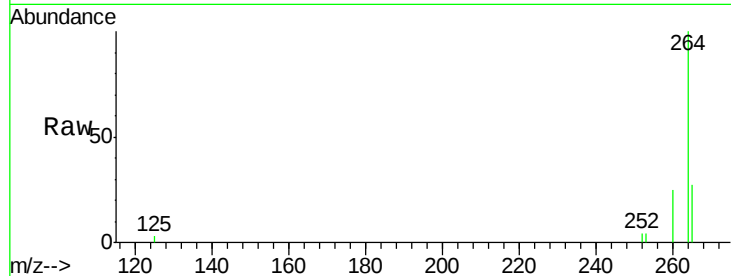
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BE099438.D
 Acq: 30 Apr 2019 22:49

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B174-042319

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.2	30.2
265	27.2	21.3	31.9

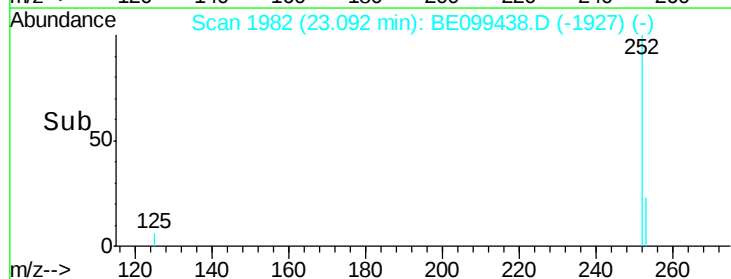
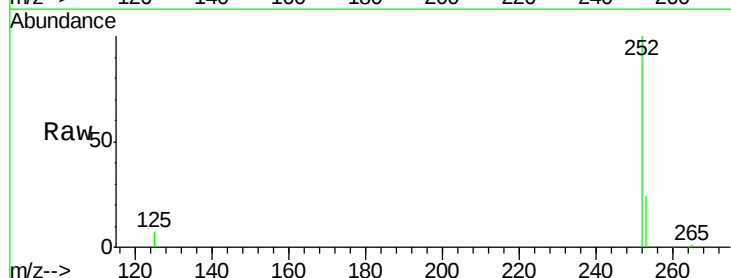
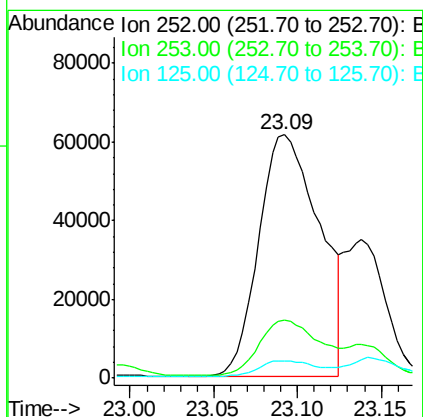
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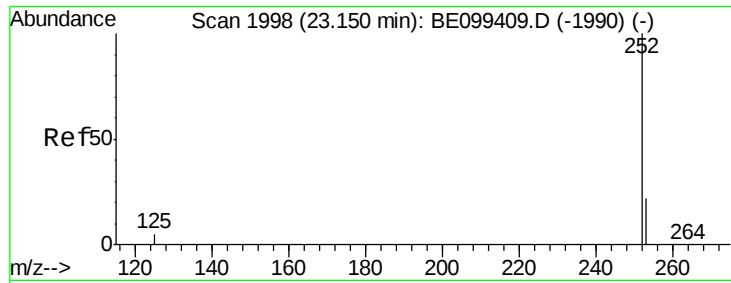
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#35
Benzo(b)fluoranthene
 Concen: 1.510 ng
 RT: 23.09 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: BE099438.D
 Acq: 30 Apr 2019 22:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	7.2	5.6	8.4





#36

Benzo(k)fluoranthene

Concen: 0.608 ng m

RT: 23.14 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BE099438.D

Acq: 30 Apr 2019 22:49

Instrument :

BNA_E

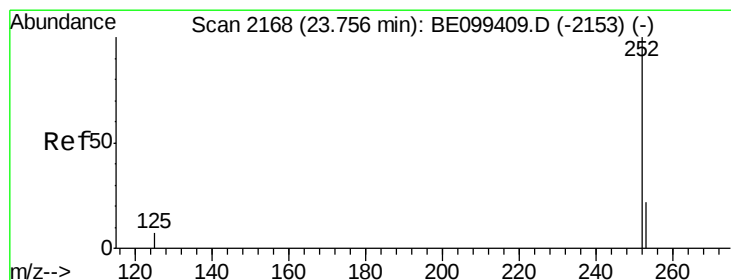
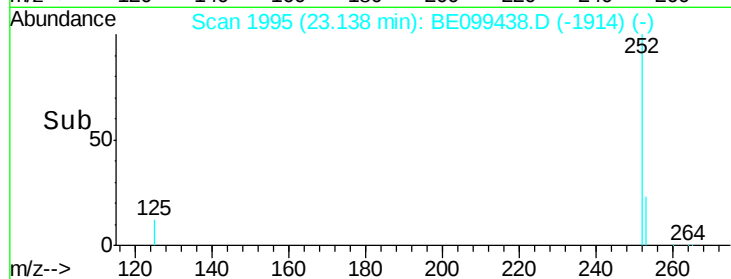
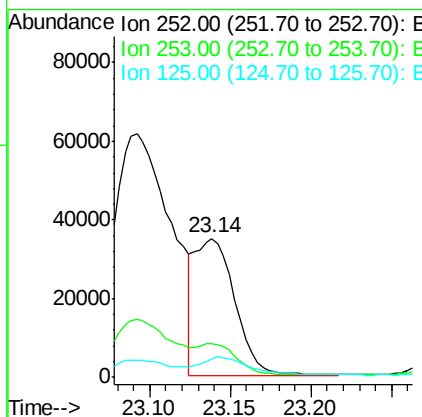
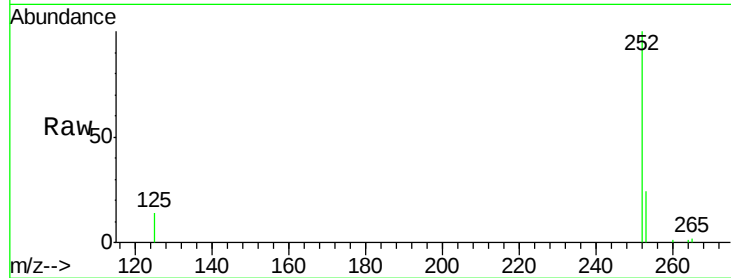
ClientSampleId :

PST-003-B174-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	13.6	5.0	7.4

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#37

Benzo(a)pyrene

Concen: 1.137 ng

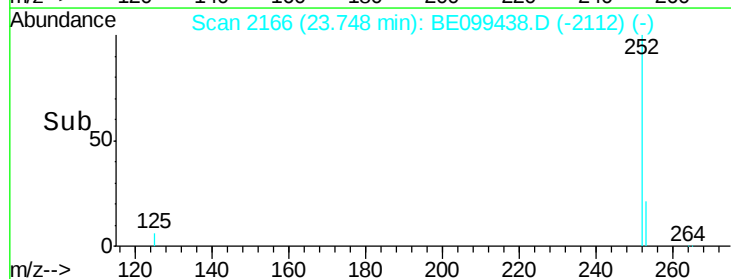
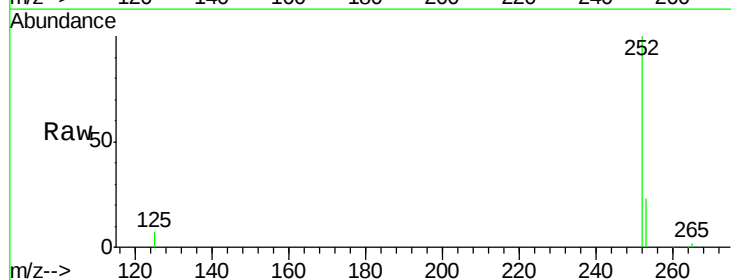
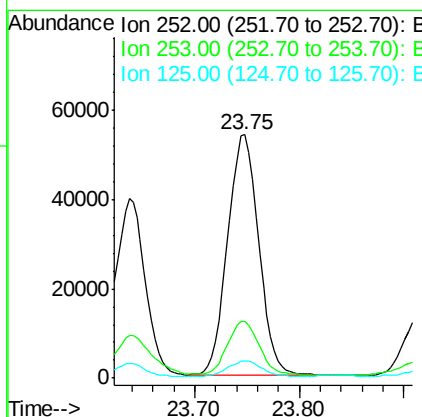
RT: 23.75 min Scan# 2166

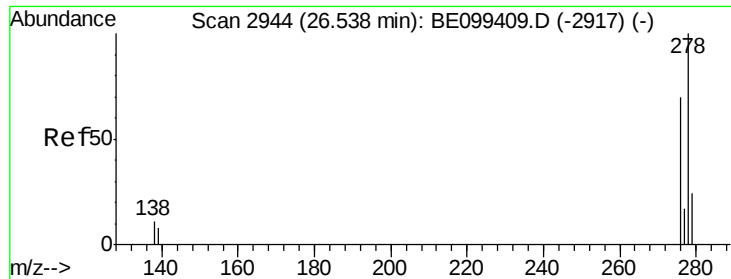
Delta R.T. -0.01 min

Lab File: BE099438.D

Acq: 30 Apr 2019 22:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.9	28.3
125	7.2	6.7	10.1





#38

Dibenzo(a,h)anthracene

Concen: 0.200 ng

RT: 26.52 min Scan# 2939

Delta R.T. -0.02 min

Lab File: BE099438.D

Acq: 30 Apr 2019 22:49

Instrument :

BNA_E

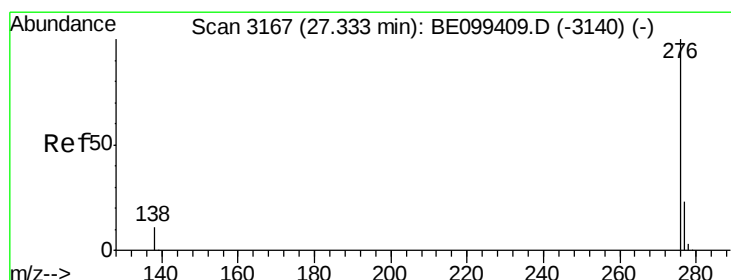
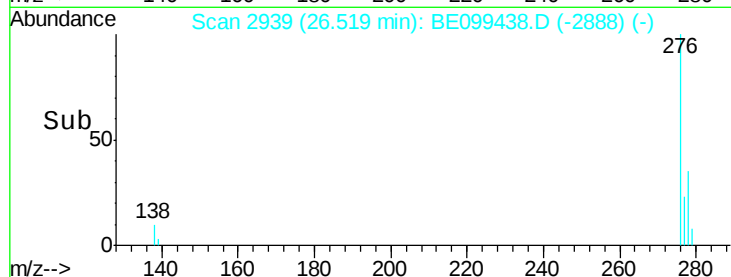
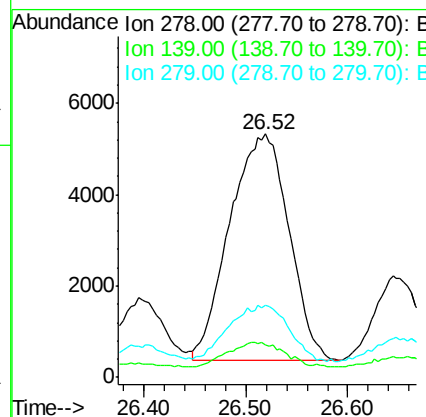
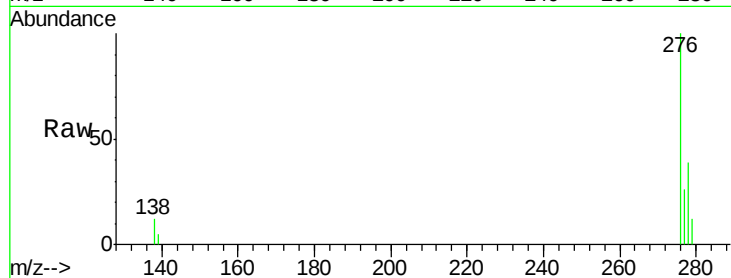
ClientSampleId :

PST-003-B174-042319

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.1	7.7	11.5
279	29.8	20.2	30.2

Manual Integrations
APPROVED

Sohil
5/1/2019 12:02:45 PM



#39

Benzo(g,h,i)perylene

Concen: 0.776 ng

RT: 27.31 min Scan# 3162

Delta R.T. -0.02 min

Lab File: BE099438.D

Acq: 30 Apr 2019 22:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.5	29.3
138	11.4	9.6	14.4

