

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099439.D
 Acq On : 30 Apr 2019 23:25
 Operator : JU/SJ
 Sample : K2568-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B175-042319

Manual Integrations
 APPROVED

Sohil
 5/1/2019 12:02:50 PM

Quant Time: May 01 02:28:09 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	2809	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	10191	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	7532	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	24519	0.40	ng	0.00
27) Chrysene-d12	21.37	240	33806	0.40	ng	0.00
34) Perylene-d12	23.86	264	38600	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	3011	0.39	ng	0.00
5) Phenol-d6	6.97	99	4413	0.43	ng	0.00
8) Nitrobenzene-d5	8.96	82	3675	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	6607	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	2071	0.44	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	9671	0.34	ng	-0.02
25) Fluoranthene-d10	19.22	212	111823	0.34	ng	0.00
29) Terphenyl-d14	19.81	244	23794	0.38	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	12873	0.116	ng	# 99
12) 2-Methylnaphthalene	12.27	142	786	0.041	ng	# 94
16) Acenaphthylene	14.18	152	3624	0.098	ng	99
17) Acenaphthene	14.51	154	845	0.040	ng	96
18) Fluorene	15.49	166	1567	0.050	ng	# 93
23) Phenanthrene	17.23	178	57785	0.913	ng	99
24) Anthracene	17.32	178	6205	0.103	ng	# 84
26) Fluoranthene	19.25	202	161493	1.704	ng	100
28) Pyrene	19.61	202	156644	1.778	ng	# 96
30) Benzo(a)anthracene	21.34	228	97177	0.902	ng	97
31) Chrysene	21.40	228	107492	1.020	ng	97
32) Bis(2-ethylhexyl)phthalate	21.26	149	17159	0.041	ng	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	63420	0.509	ng	97
35) Benzo(b)fluoranthene	23.09	252	128948	1.159	ng	# 96
36) Benzo(k)fluoranthene	23.14	252	48306m	0.450	ng	
37) Benzo(a)pyrene	23.74	252	88804	0.844	ng	99
38) Dibenzo(a,h)anthracene	26.52	278	16491	0.153	ng	# 81
39) Benzo(g,h,i)perylene	27.32	276	62625	0.581	ng	99

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

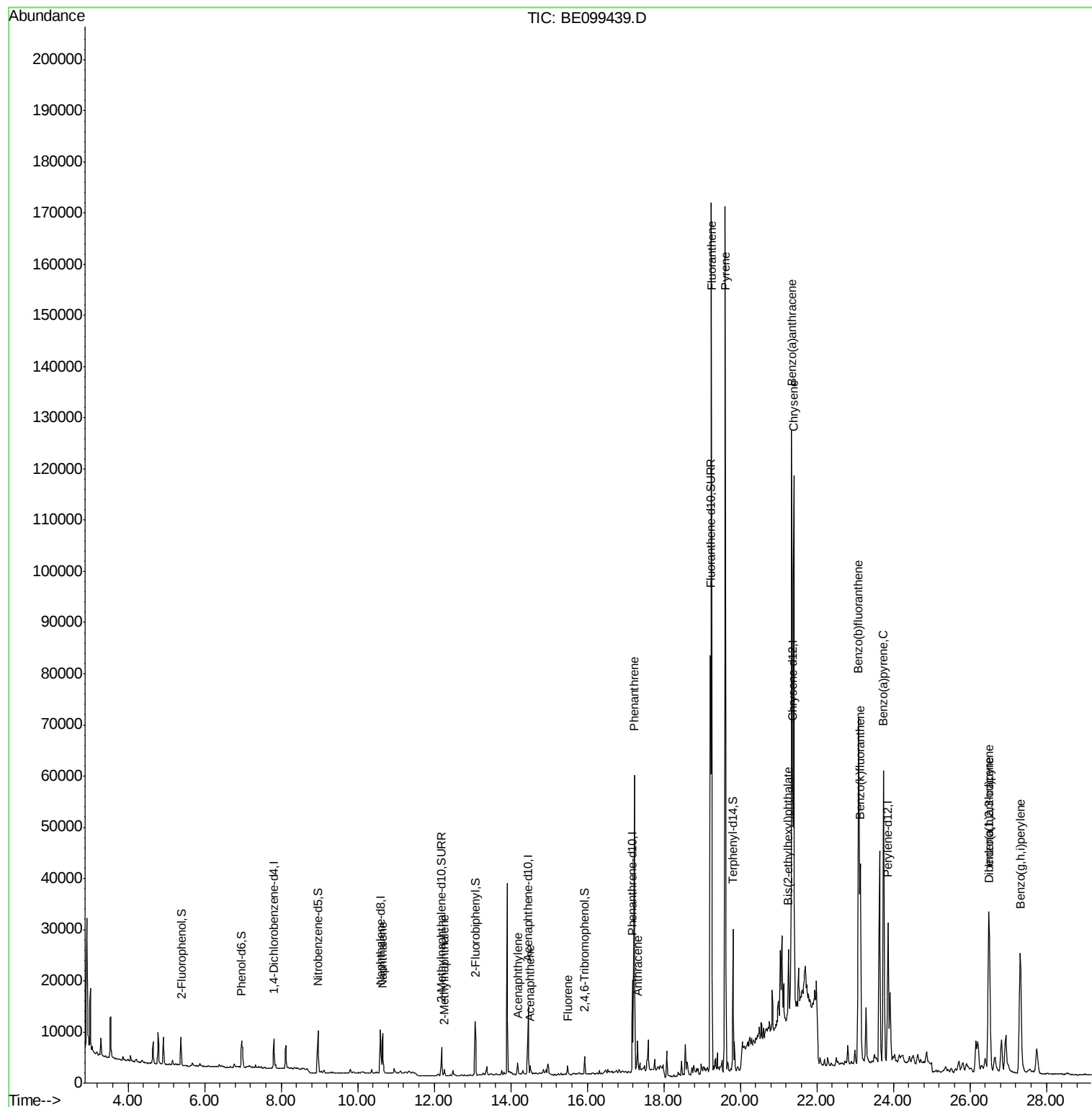
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
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ALS Vial : 22 Sample Multiplier: 1

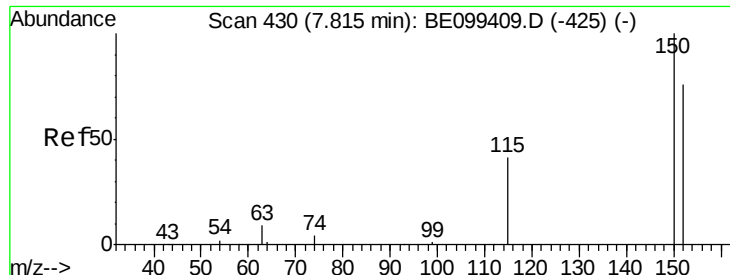
Instrument :
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PST-003-B175-042319

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Quant Time: May 01 02:28:09 2019
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#1

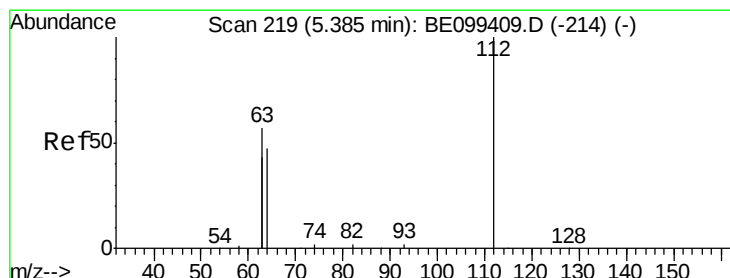
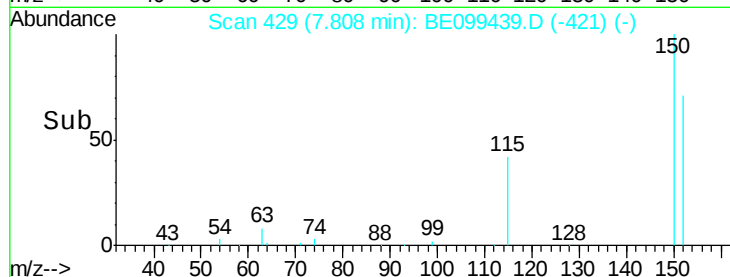
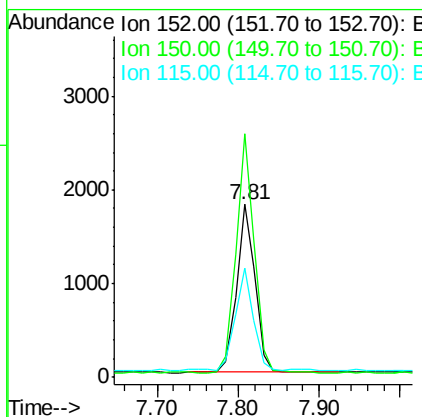
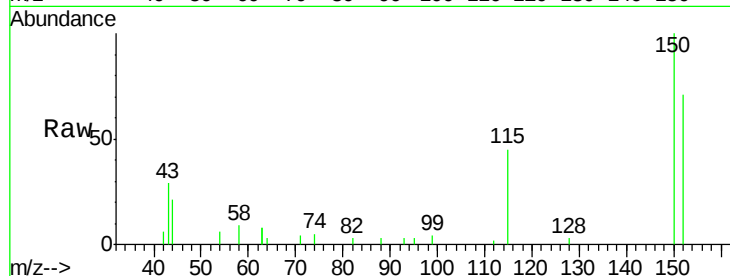
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099439.D
Acq: 30 Apr 2019 23:25

Instrument :
BNA_E
ClientSampleId :
PST-003-B175-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
150	140.7	104.8	157.2
115	62.8	46.6	69.8

Manual Integrations
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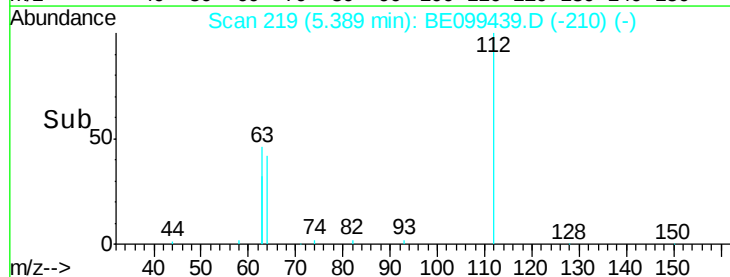
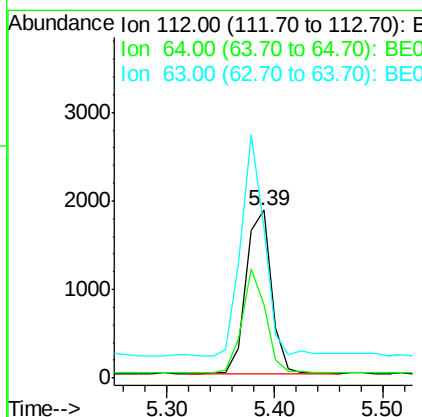
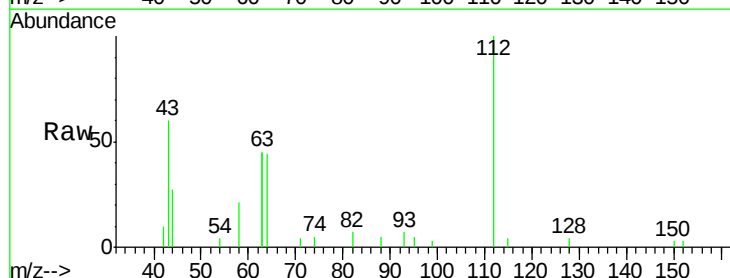
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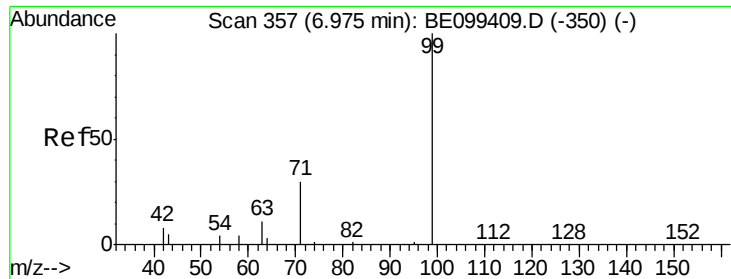


#4

2-Fluorophenol
Concen: 0.388 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099439.D
Acq: 30 Apr 2019 23:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.4	71.0
63	132.4	104.3	156.5





#5

Phenol-d6

Concen: 0.427 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099439.D

Acq: 30 Apr 2019 23:25

Instrument :

BNA_E

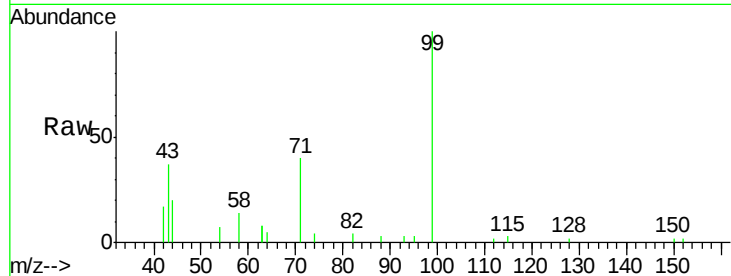
ClientSampleId :

PST-003-B175-042319

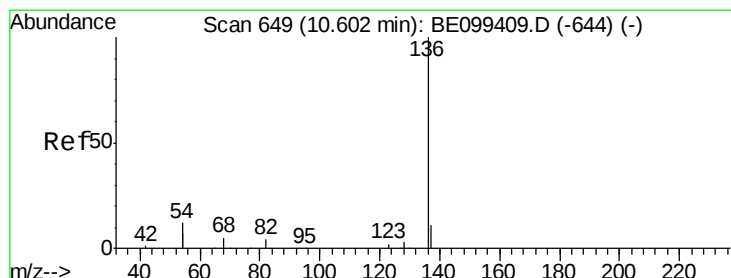
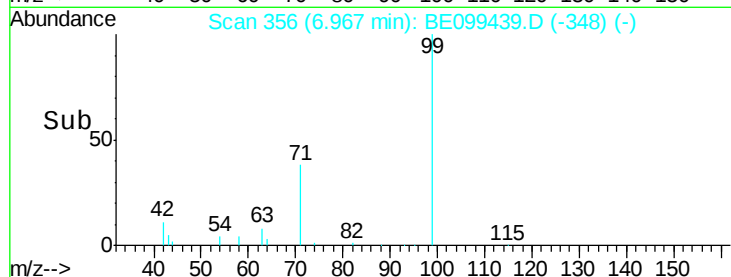
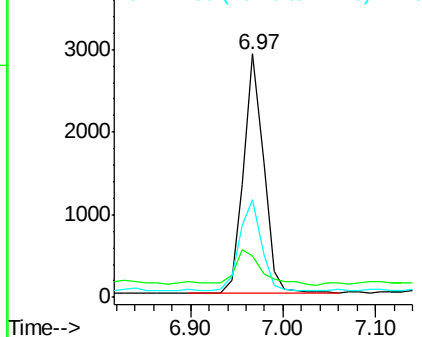
Tgt Ion:	99	Resp:	4413
Ion	Ratio	Lower	Upper
99	100		
42	20.6	14.9	22.3
71	41.6	33.0	49.6

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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

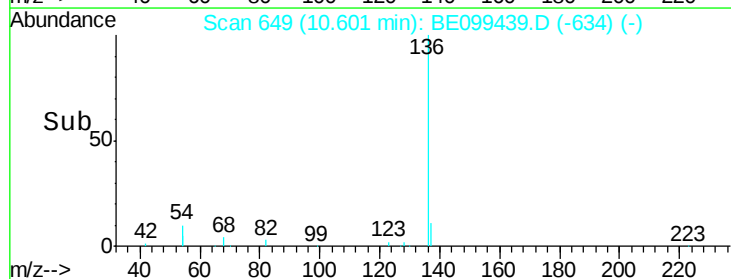
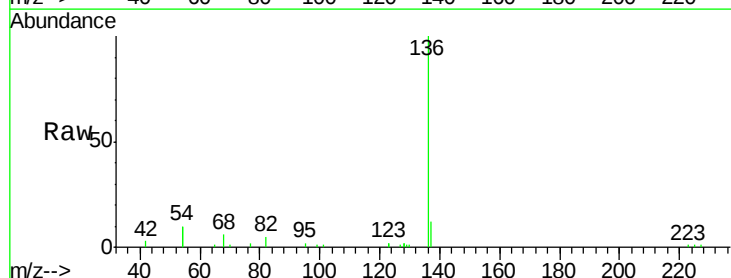
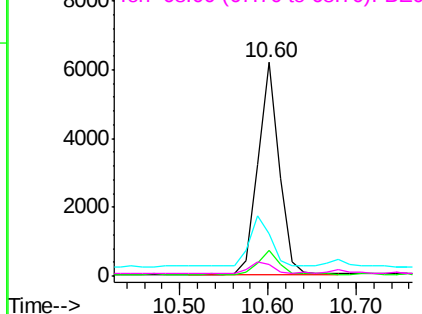
Delta R.T. -0.00 min

Lab File: BE099439.D

Acq: 30 Apr 2019 23:25

Tgt Ion:	136	Resp:	10191
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.8	14.8
54	19.9	18.5	27.7
68	5.7	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: 0.385 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099439.D

Acq: 30 Apr 2019 23:25

Instrument :

BNA_E

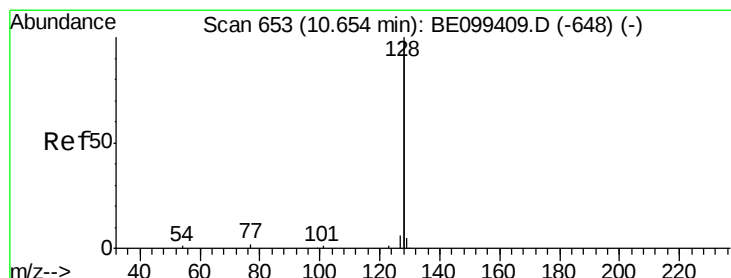
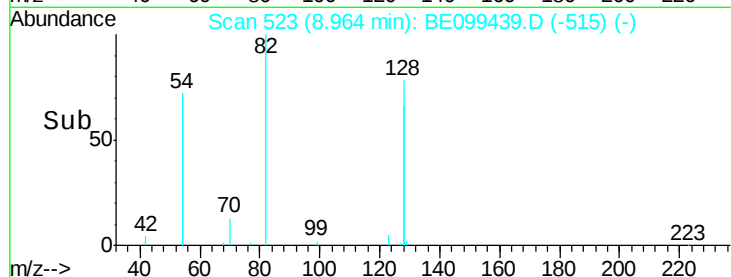
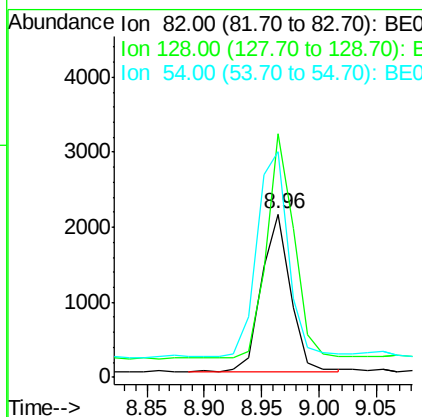
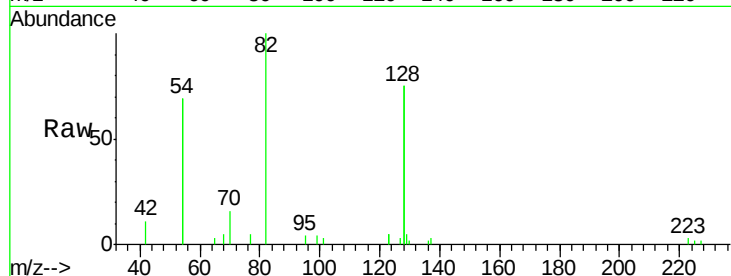
ClientSampleId :

PST-003-B175-042319

Tgt Ion:	82	Resp:	3675
Ion	Ratio	Lower	Upper
82	100		
128	149.1	107.0	160.4
54	138.2	113.1	169.7

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#9

Naphthalene

Concen: 0.116 ng

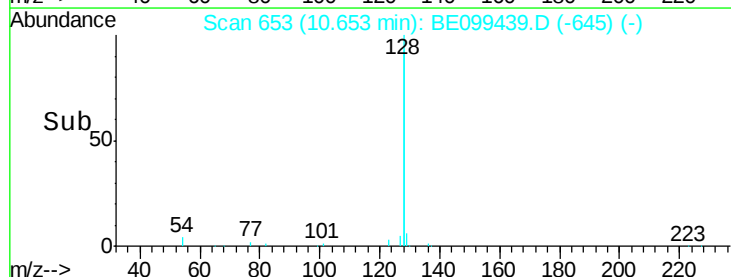
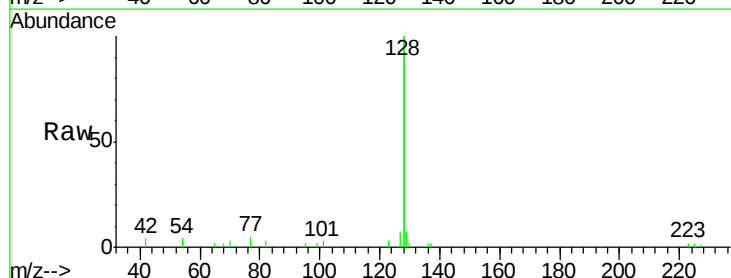
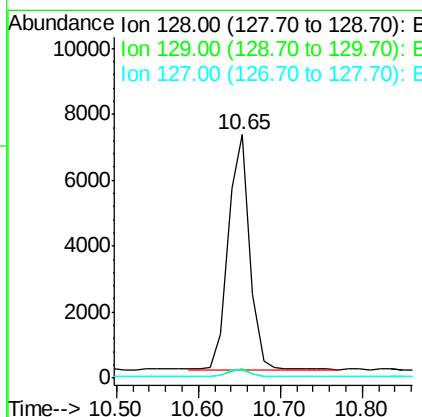
RT: 10.65 min Scan# 653

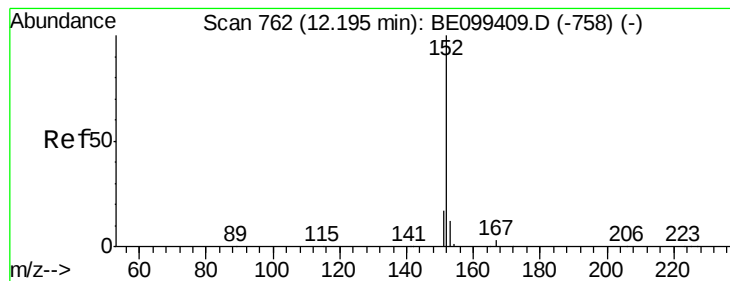
Delta R.T. -0.00 min

Lab File: BE099439.D

Acq: 30 Apr 2019 23:25

Tgt Ion:	128	Resp:	12873
Ion	Ratio	Lower	Upper
128	100		
129	3.7	2.4	3.6#
127	3.5	2.8	4.2





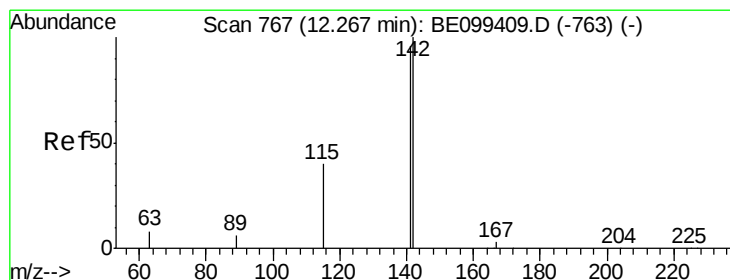
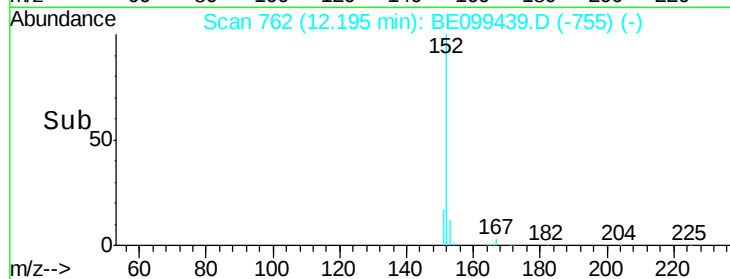
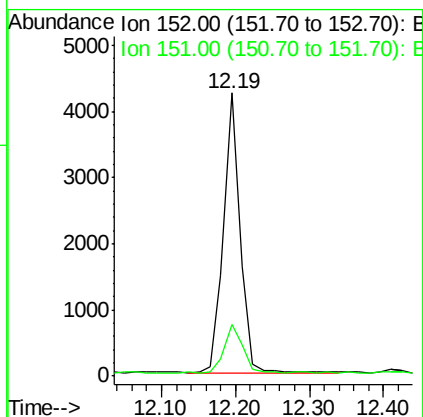
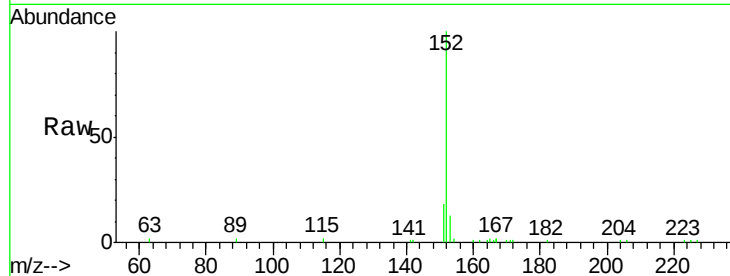
#11
 2-Methylnaphthalene-d10
 Concen: 0.360 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099439.D
 Acq: 30 Apr 2019 23:25

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B175-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.5	23.3

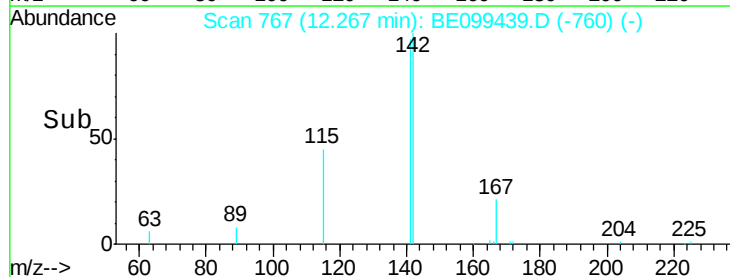
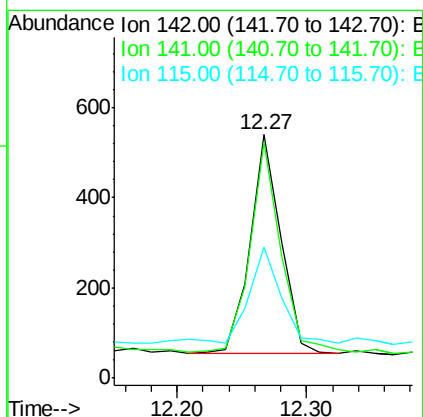
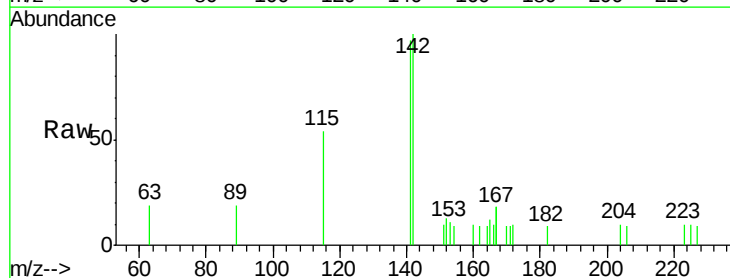
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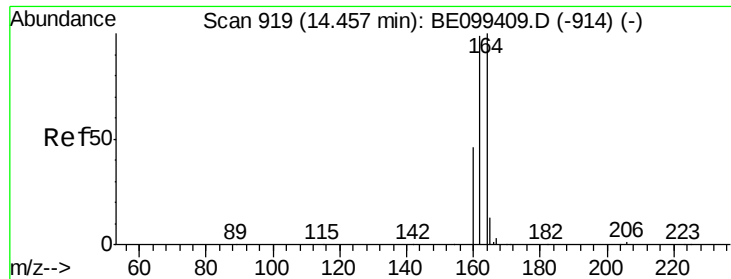
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#12
 2-Methylnaphthalene
 Concen: 0.041 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099439.D
 Acq: 30 Apr 2019 23:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	97.0	77.0	115.4
115	53.9	33.4	50.0#





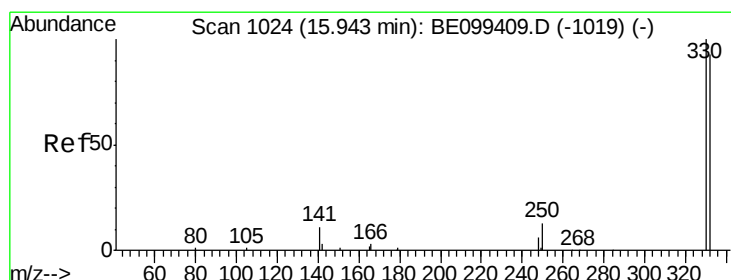
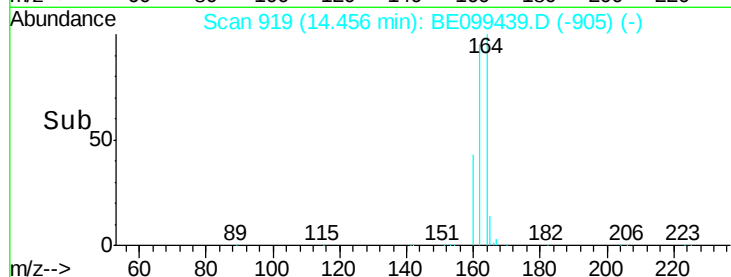
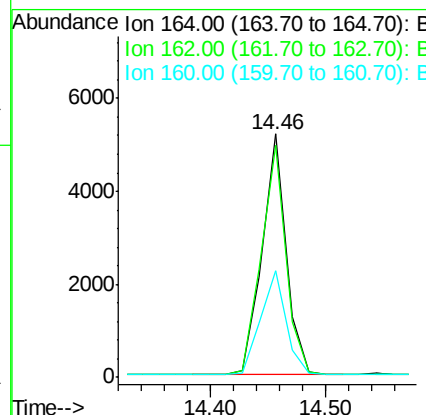
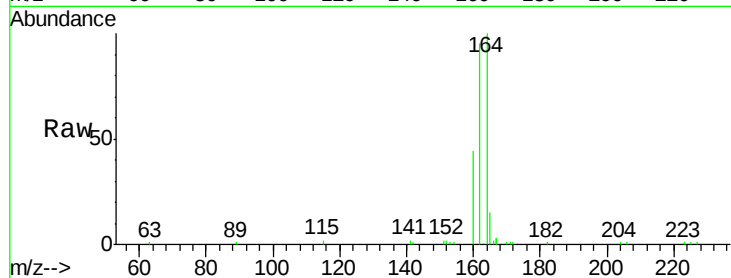
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099439.D
Acq: 30 Apr 2019 23:25

Instrument :
BNA_E
ClientSampleId :
PST-003-B175-042319

Tgt Ion:164 Resp: 7532
Ion Ratio Lower Upper
164 100
162 95.3 79.0 118.4
160 43.7 37.0 55.4

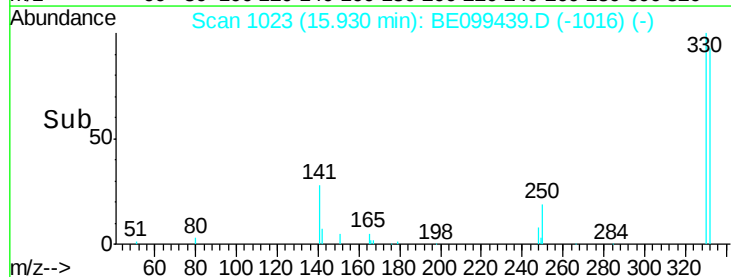
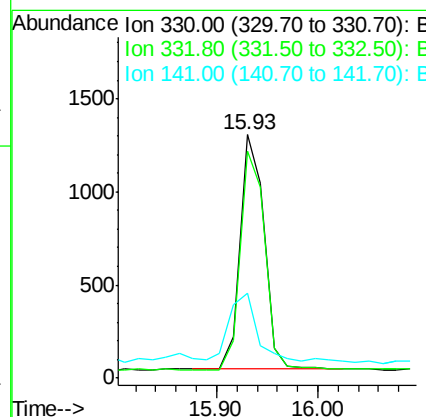
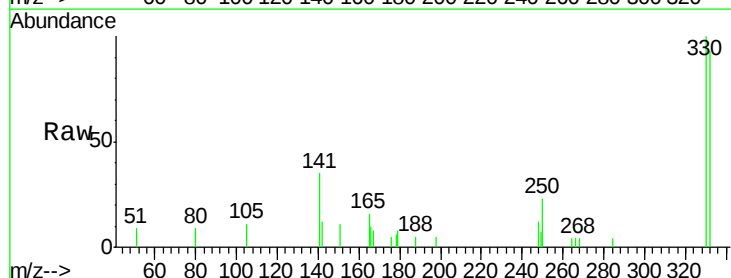
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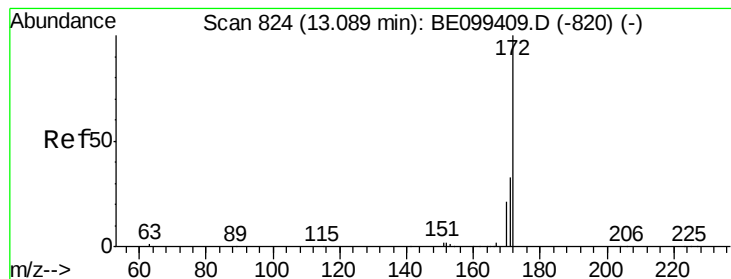
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#14
2,4,6-Tribromophenol
Concen: 0.437 ng
RT: 15.93 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BE099439.D
Acq: 30 Apr 2019 23:25

Tgt Ion:330 Resp: 2071
Ion Ratio Lower Upper
330 100
332 96.8 71.5 107.3
141 36.7 24.0 36.0#





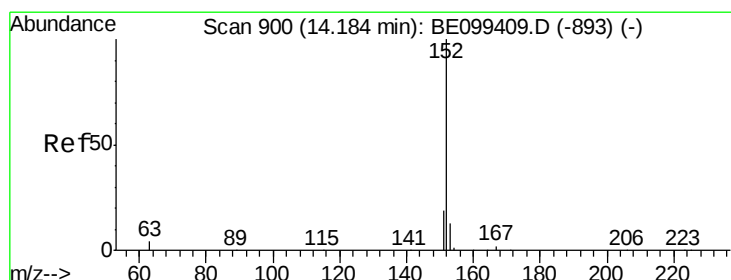
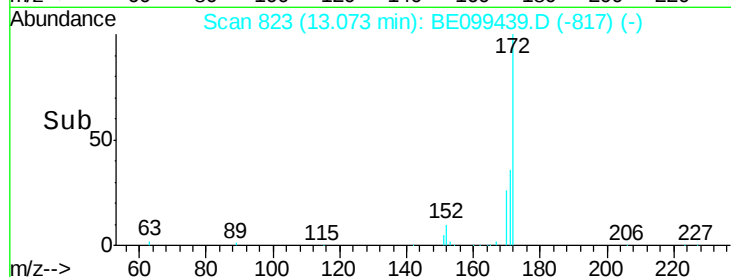
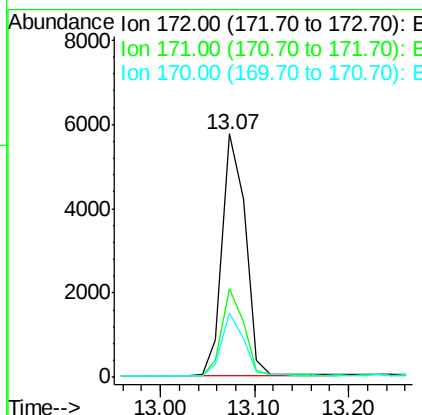
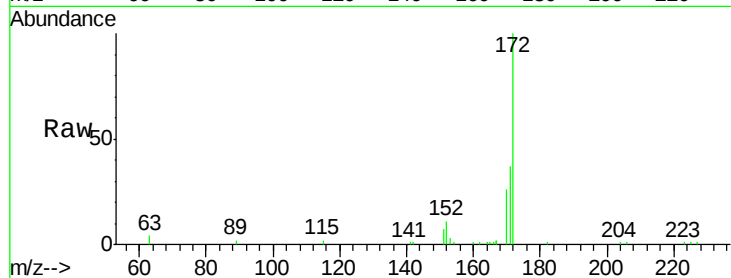
#15
 2-Fluorobiphenyl
 Concen: 0.337 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.02 min
 Lab File: BE099439.D
 Acq: 30 Apr 2019 23:25

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B175-042319

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	26.6	39.8
170	26.3	17.0	25.6

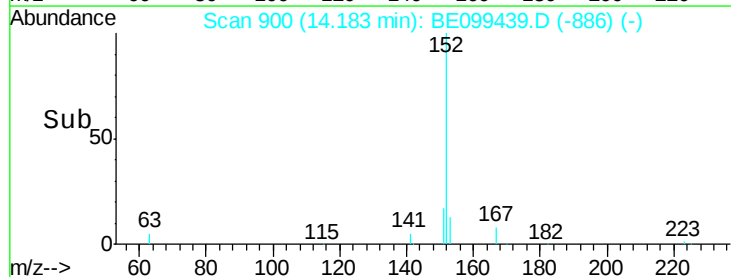
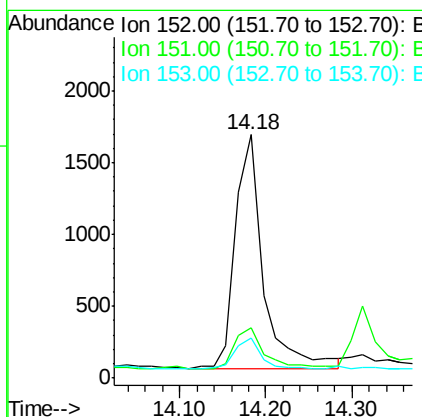
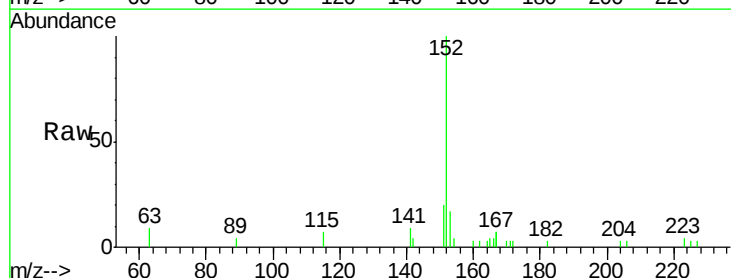
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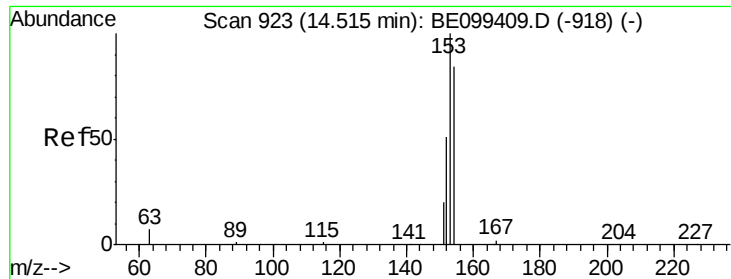
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#16
 Acenaphthylene
 Concen: 0.098 ng
 RT: 14.18 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: BE099439.D
 Acq: 30 Apr 2019 23:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.2
153	13.1	9.8	14.6





#17

Acenaphthene

Concen: 0.040 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099439.D

Acq: 30 Apr 2019 23:25

Instrument :

BNA_E

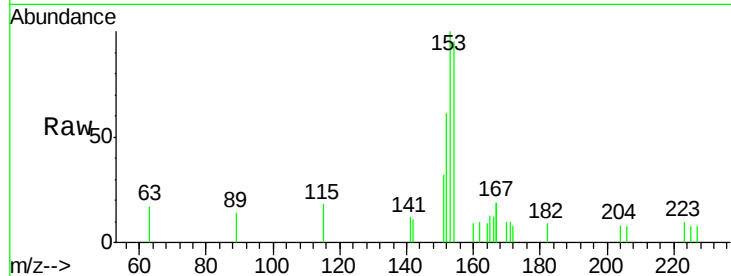
ClientSampleId :

PST-003-B175-042319

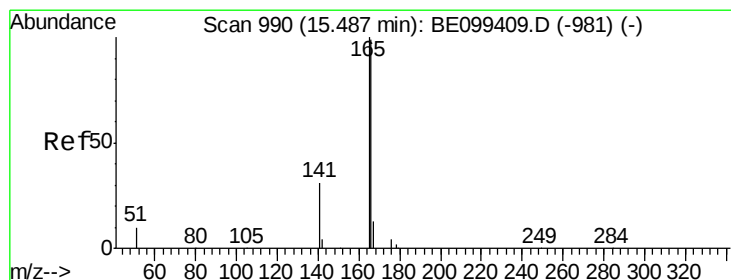
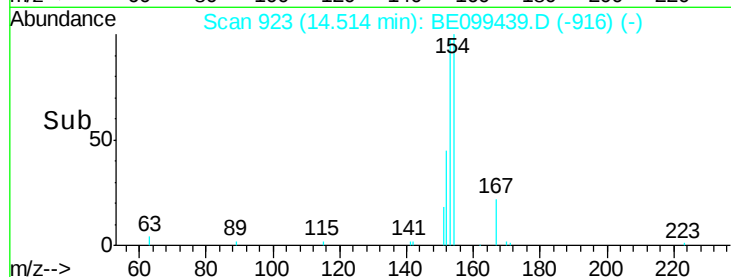
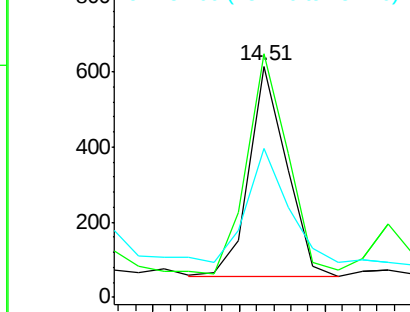
Tgt Ion:	154	Resp:	845
Ion Ratio	Lower	Upper	
154	100		
153	110.2	92.6	138.8
152	58.7	45.8	68.8

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: 0.050 ng

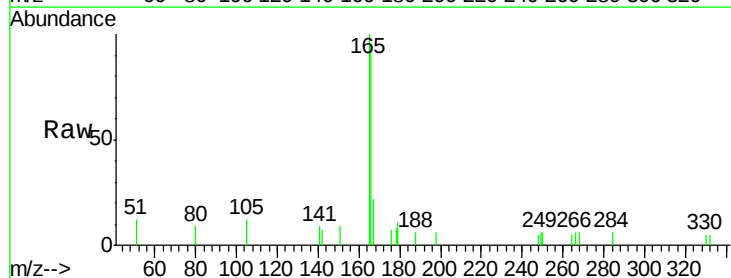
RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

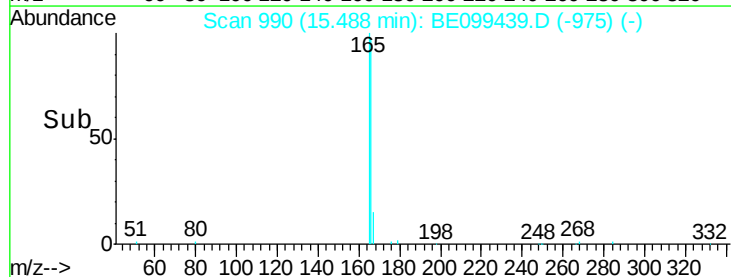
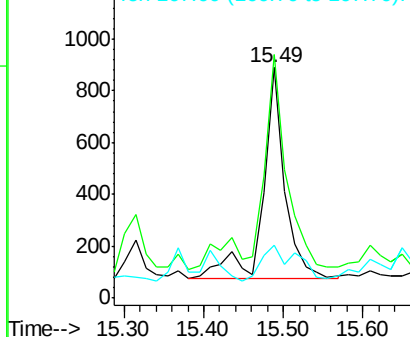
Lab File: BE099439.D

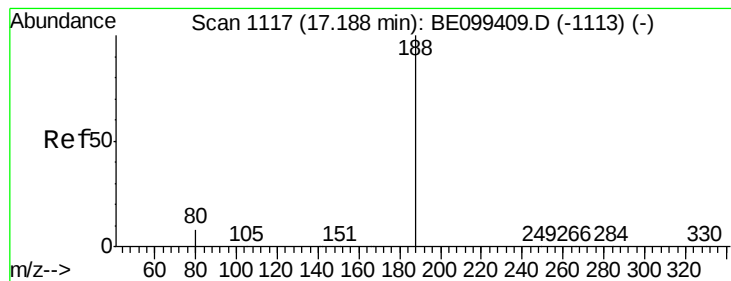
Acq: 30 Apr 2019 23:25

Tgt Ion:	166	Resp:	1567
Ion Ratio	Lower	Upper	
166	100		
165	97.1	80.3	120.5
167	27.8	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: BE099439.D

Acq: 30 Apr 2019 23:25

Instrument :

BNA_E

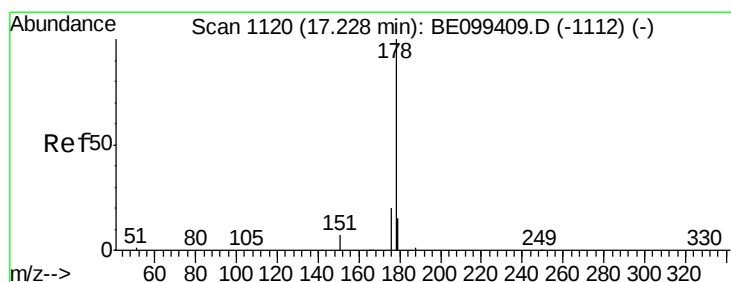
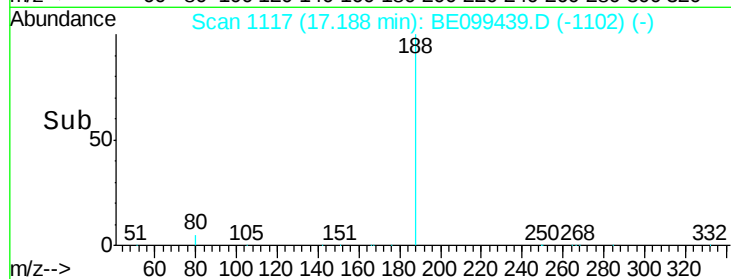
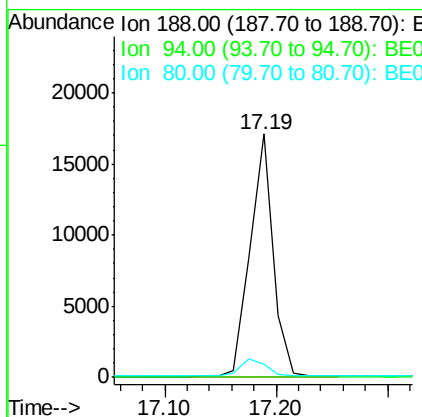
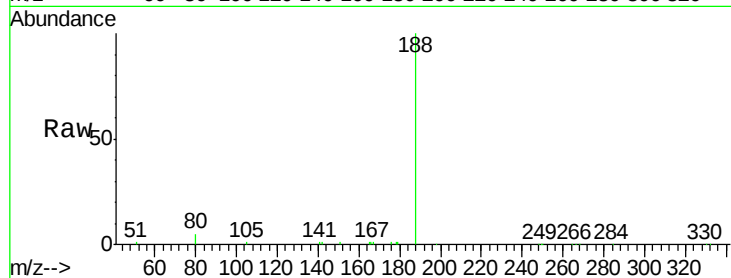
ClientSampleId :

PST-003-B175-042319

Tgt Ion:	188	Resp:	24519
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	5.5	6.7	10.1#

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#23

Phenanthrene

Concen: 0.913 ng

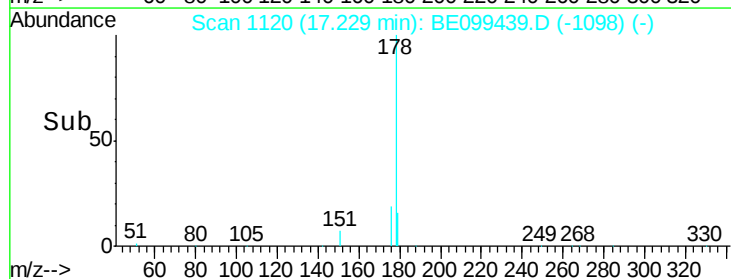
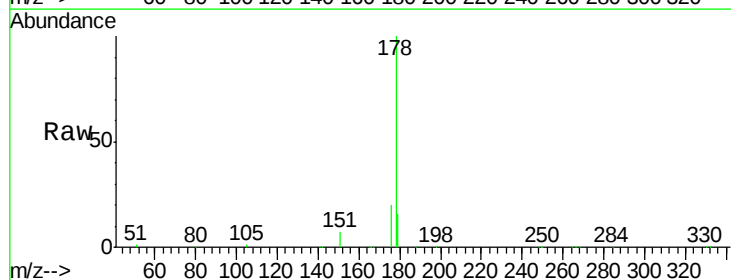
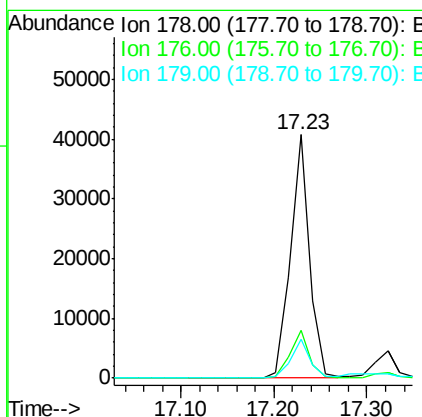
RT: 17.23 min Scan# 1120

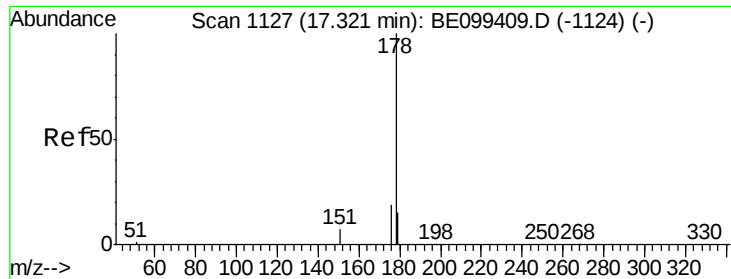
Delta R.T. 0.00 min

Lab File: BE099439.D

Acq: 30 Apr 2019 23:25

Tgt Ion:	178	Resp:	57785
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.6	23.4
179	15.7	12.0	18.0





#24

Anthracene

Concen: 0.103 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099439.D

Acq: 30 Apr 2019 23:25

Instrument :

BNA_E

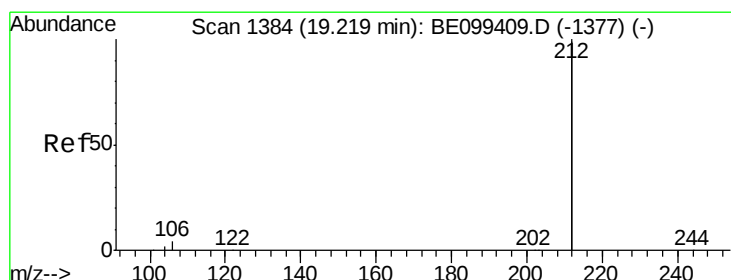
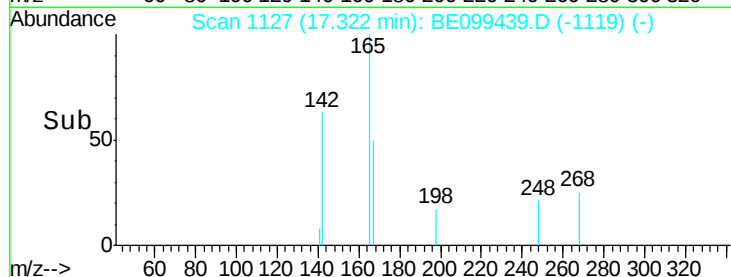
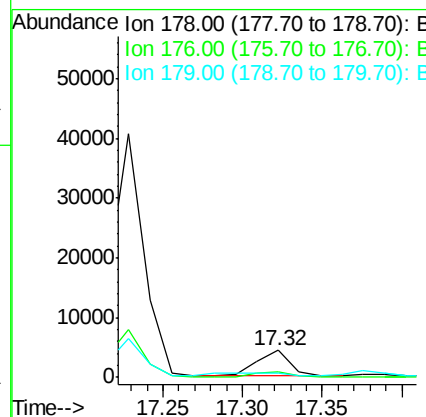
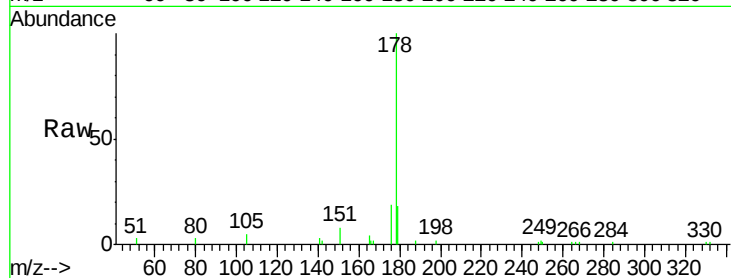
ClientSampleId :

PST-003-B175-042319

Tgt Ion:	178	Resp:	6205
Ion Ratio	Lower	Upper	
178	100		
176	20.7	14.9	22.3
179	27.1	11.9	17.9#

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#25

Fluoranthene-d10

Concen: 0.338 ng

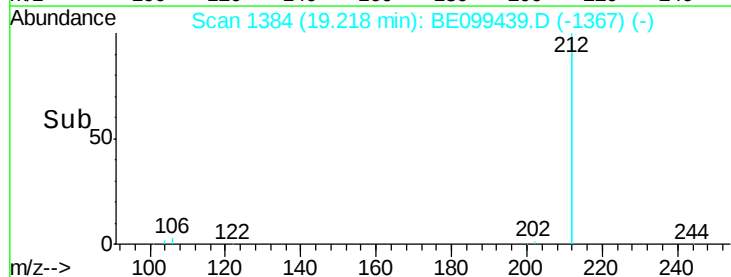
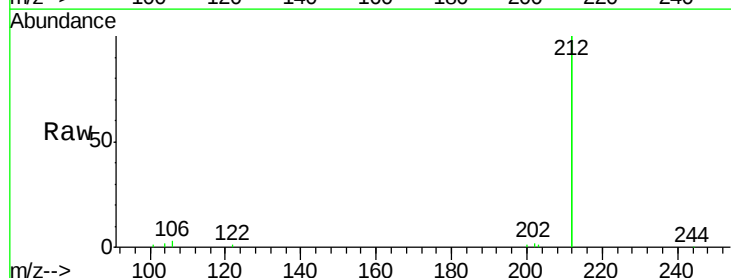
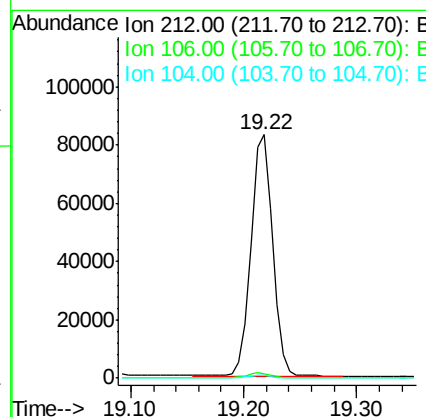
RT: 19.22 min Scan# 1384

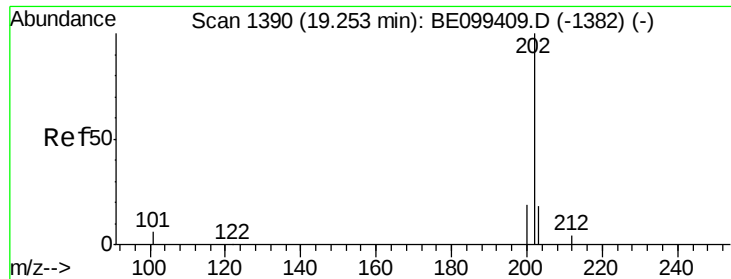
Delta R.T. -0.00 min

Lab File: BE099439.D

Acq: 30 Apr 2019 23:25

Tgt Ion:	212	Resp:	111823
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.5	2.3
104	1.1	0.9	1.3





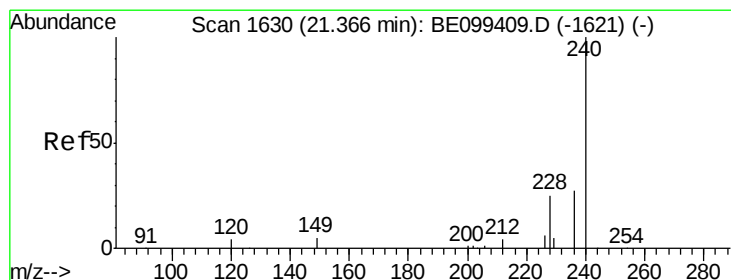
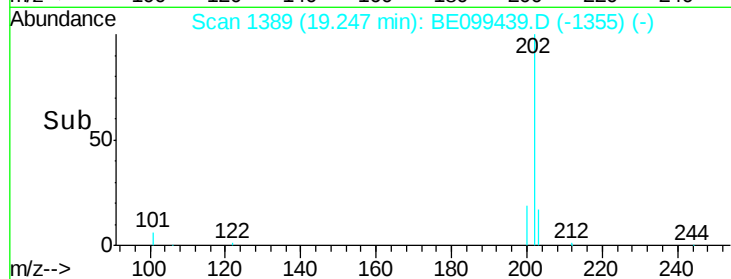
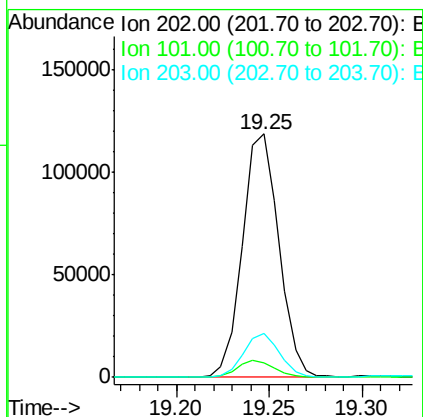
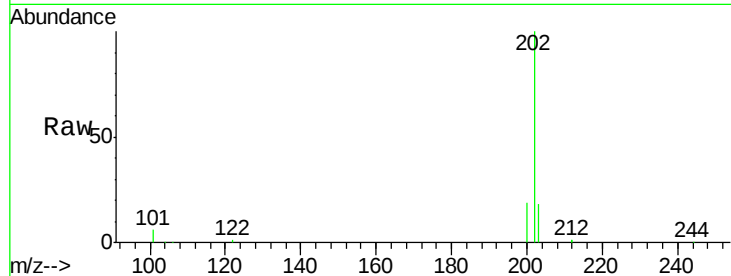
#26
Fluoranthene
Concen: 1.704 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099439.D
Acq: 30 Apr 2019 23:25

Instrument :
BNA_E
ClientSampleId :
PST-003-B175-042319

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	161493		
101	6.8	5.4	8.0	
203	17.3	13.9	20.9	

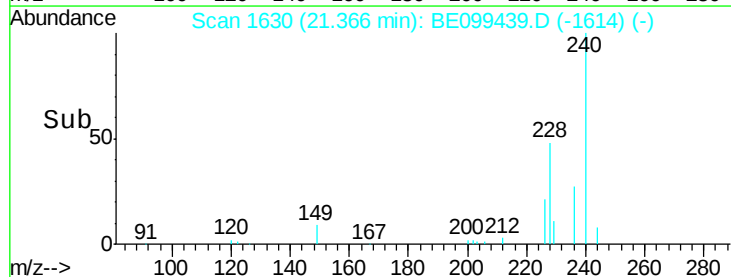
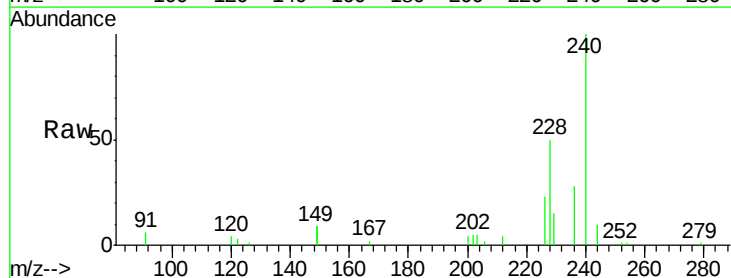
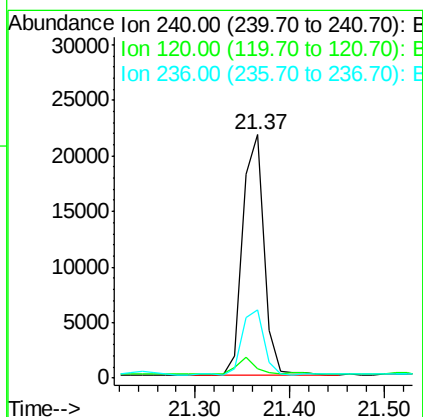
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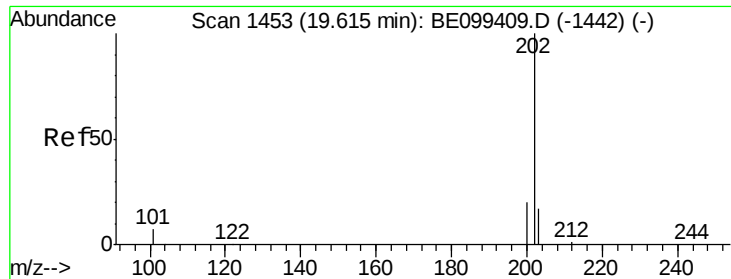
Sohil
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099439.D
Acq: 30 Apr 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	33806		
120	3.8	4.0	6.0	#
236	28.1	22.0	33.0	





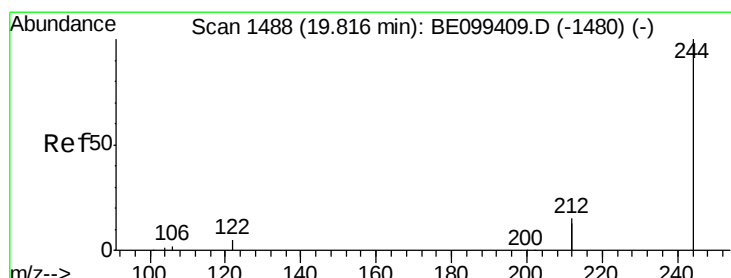
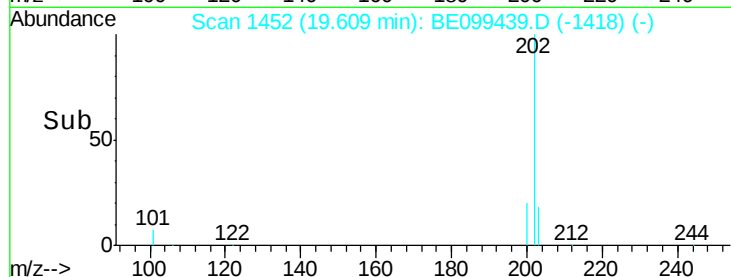
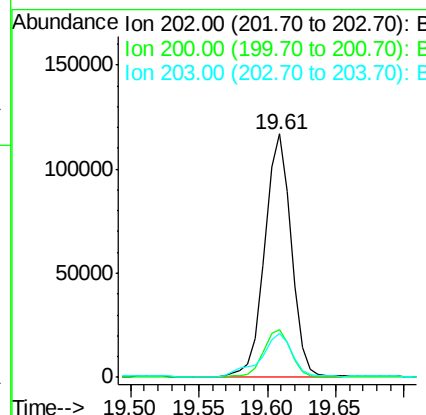
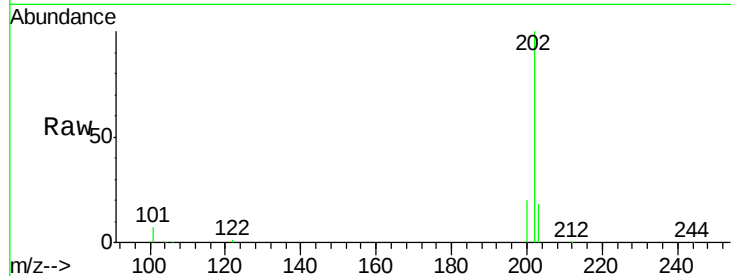
#28
Pyrene
Concen: 1.778 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099439.D
Acq: 30 Apr 2019 23:25

Instrument :
BNA_E
ClientSampleId :
PST-003-B175-042319

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

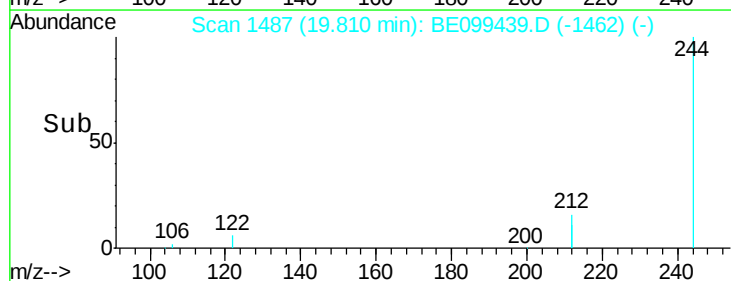
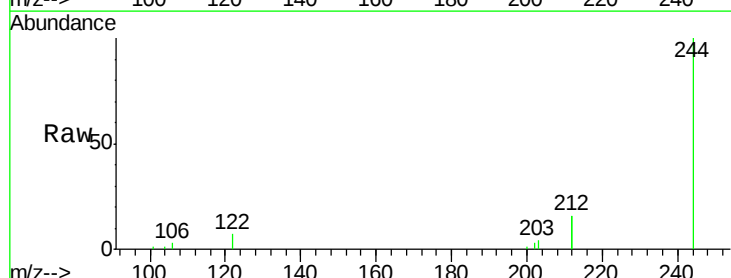
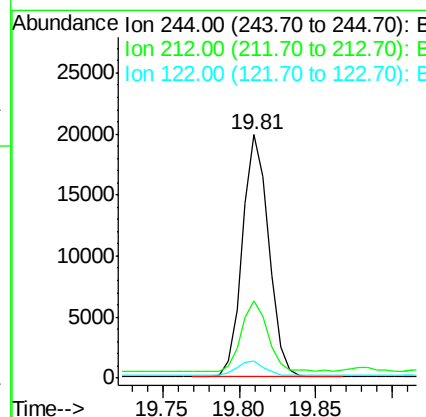
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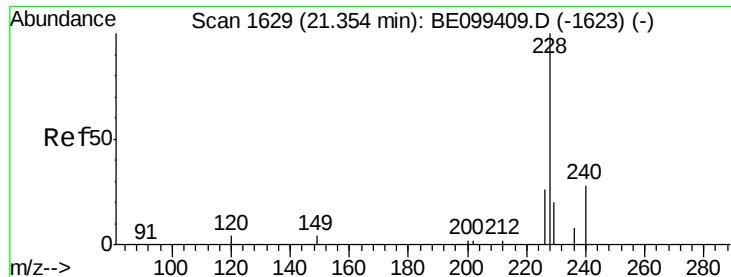
Sohil
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#29
Terphenyl-d14
Concen: 0.384 ng
RT: 19.81 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE099439.D
Acq: 30 Apr 2019 23:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	31.7	23.2	34.8
122	6.9	4.2	6.4





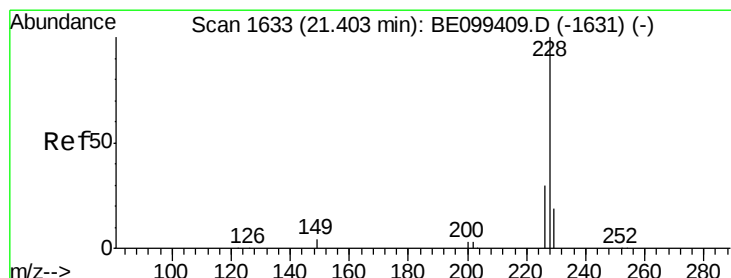
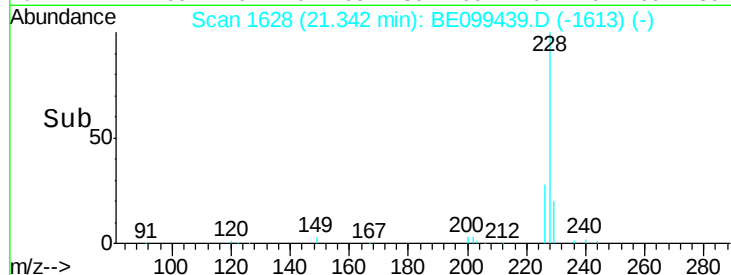
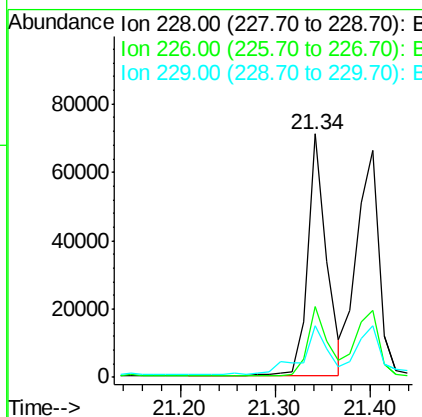
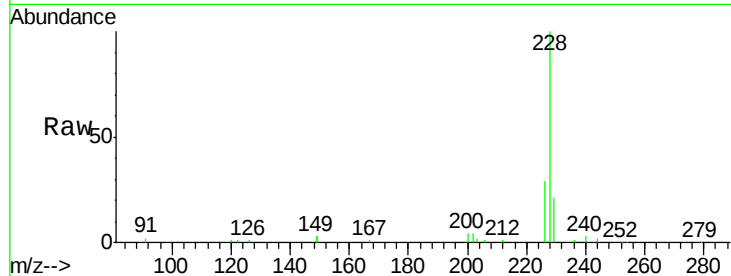
#30
Benzo(a)anthracene
Concen: 0.902 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099439.D
Acq: 30 Apr 2019 23:25

Instrument :
BNA_E
ClientSampleId :
PST-003-B175-042319

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.0	31.6
229	21.3	16.6	25.0

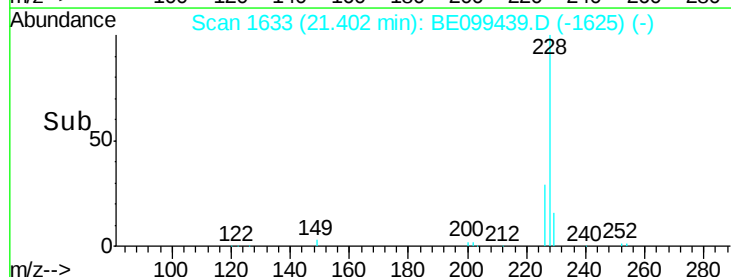
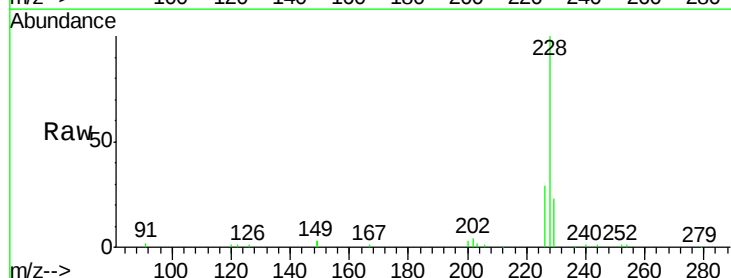
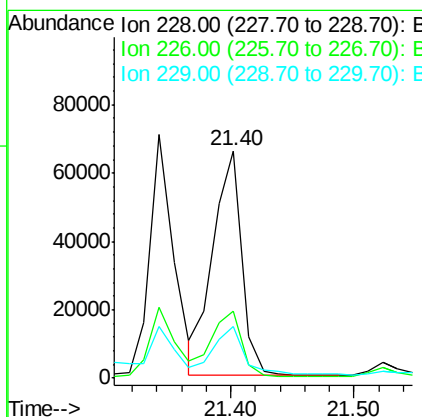
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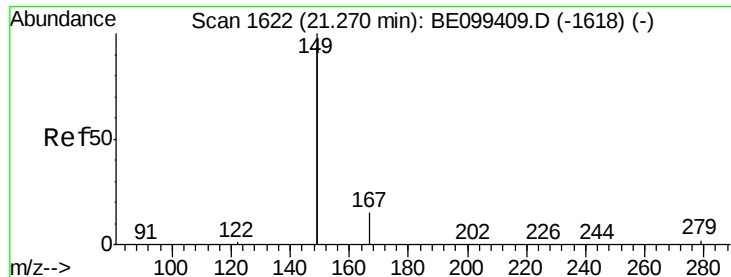
Sohil
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#31
Chrysene
Concen: 1.020 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099439.D
Acq: 30 Apr 2019 23:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.0	36.0
229	22.9	15.8	23.8





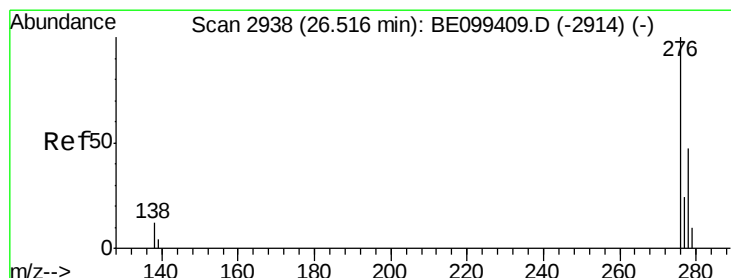
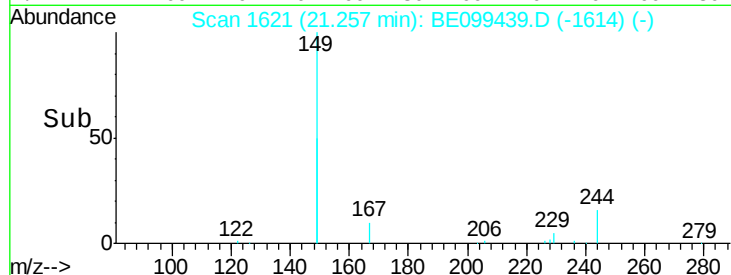
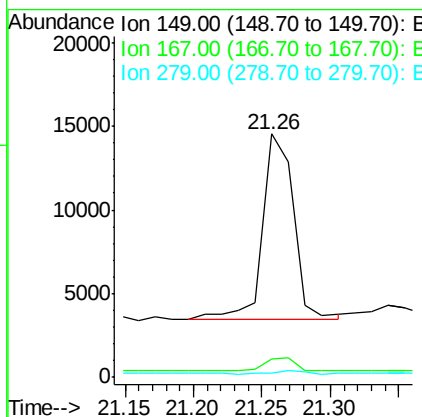
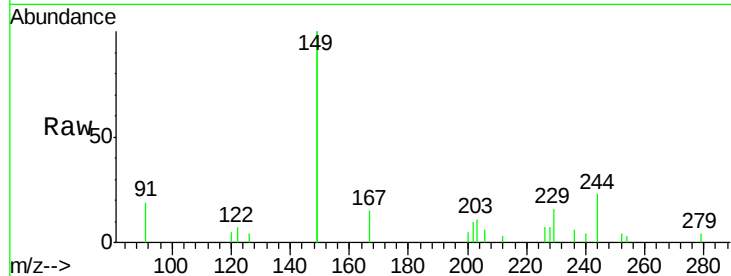
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.041 ng
 RT: 21.26 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BE099439.D
 Acq: 30 Apr 2019 23:25

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B175-042319

Tgt Ion:	149	Resp:	17159
Ion Ratio	Lower	Upper	
149	100		
167	6.9	5.8	8.6
279	1.5	1.0	1.6

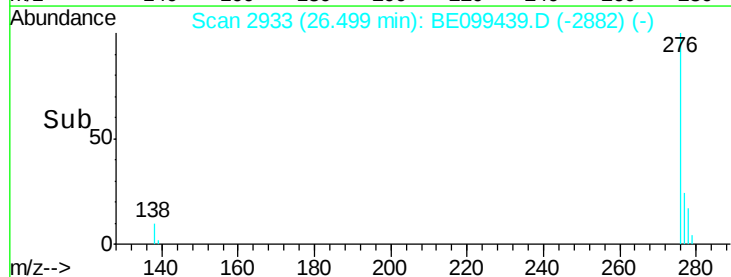
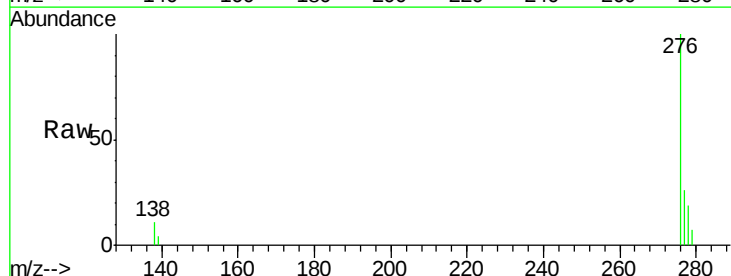
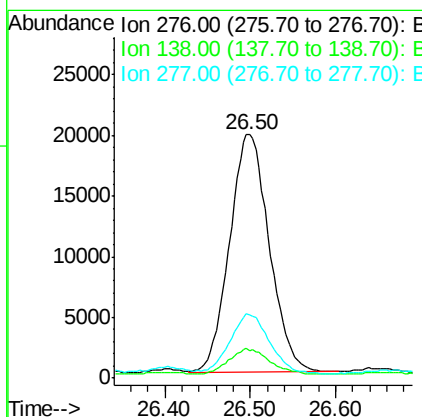
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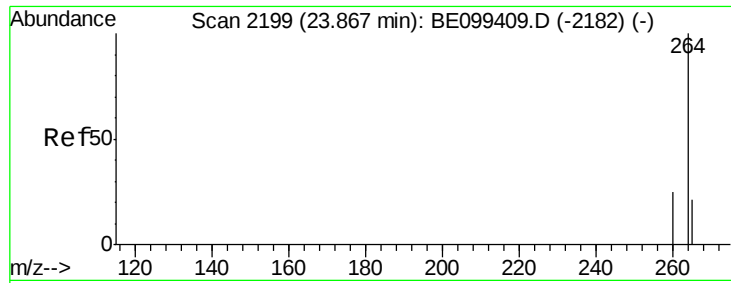
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.509 ng
 RT: 26.50 min Scan# 2933
 Delta R.T. -0.02 min
 Lab File: BE099439.D
 Acq: 30 Apr 2019 23:25

Tgt Ion:	276	Resp:	63420
Ion Ratio	Lower	Upper	
276	100		
138	10.8	10.2	15.2
277	24.9	19.2	28.8





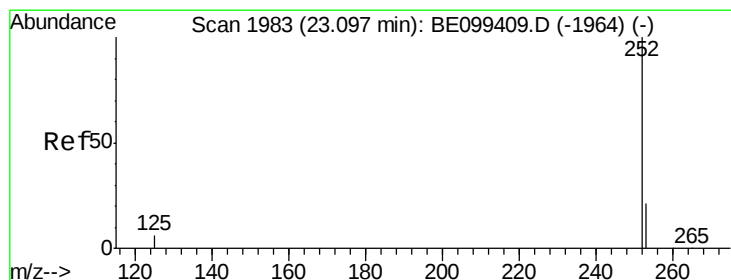
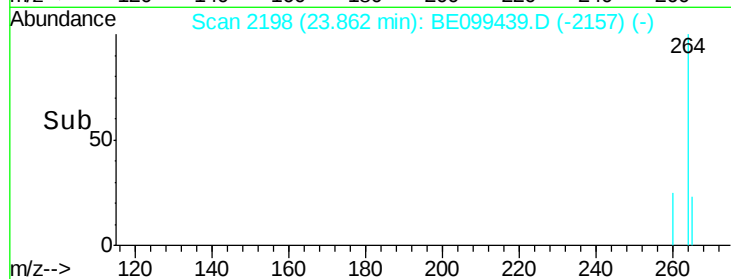
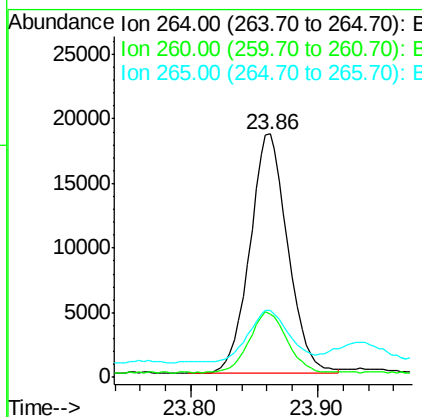
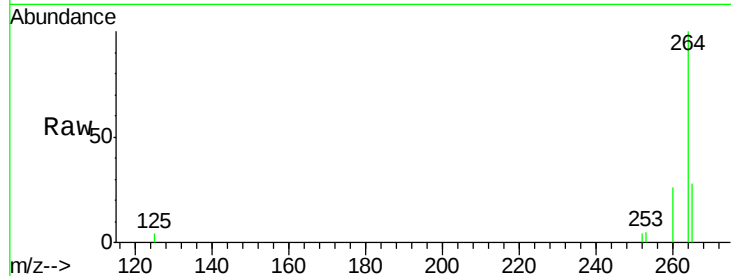
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BE099439.D
 Acq: 30 Apr 2019 23:25

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B175-042319

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	38600		
260	26.2		20.2	30.2
265	27.6		21.3	31.9

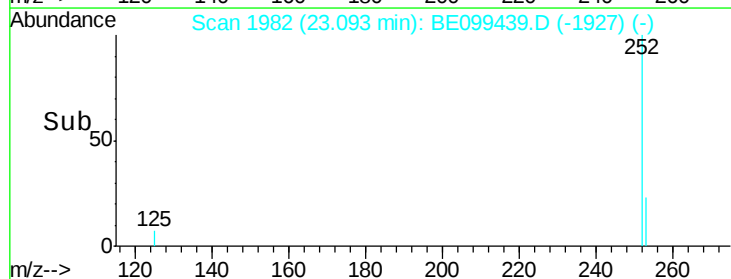
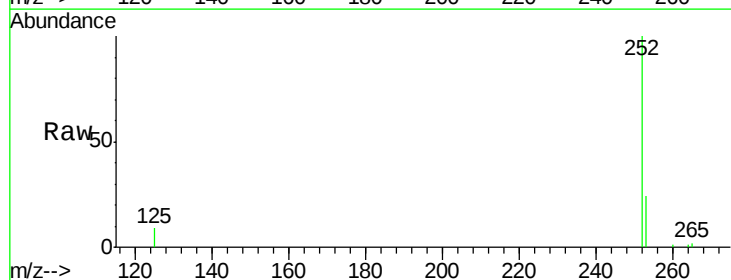
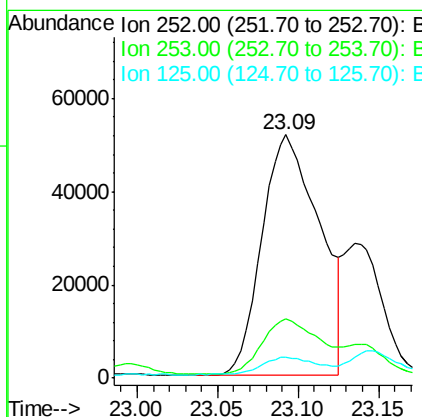
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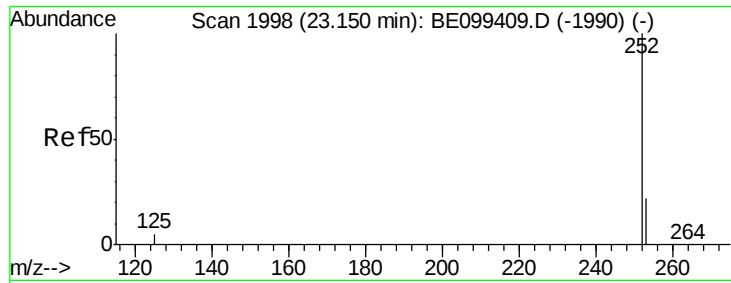
Sohil
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#35
 Benzo(b)fluoranthene
 Concen: 1.159 ng
 RT: 23.09 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: BE099439.D
 Acq: 30 Apr 2019 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	128948		
253	24.5		18.1	27.1
125	8.8		5.6	8.4#





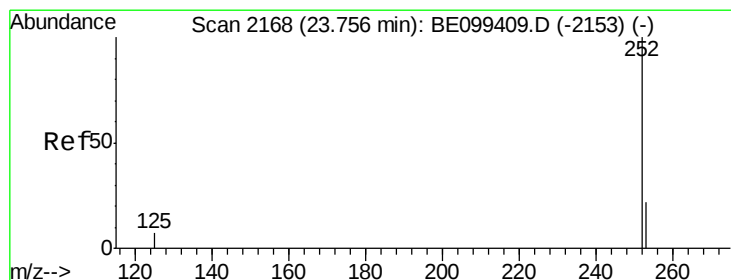
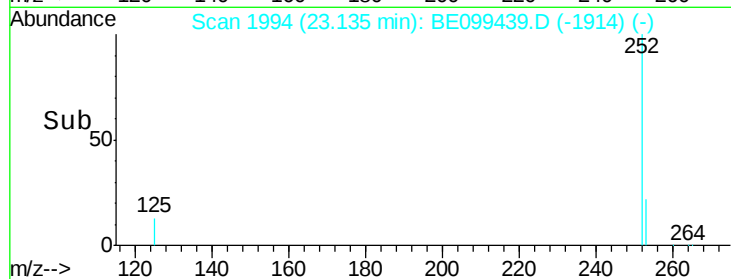
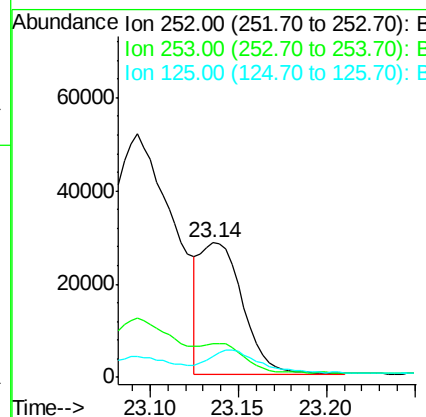
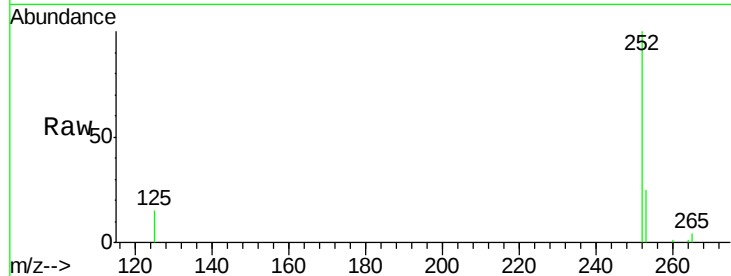
#36
Benzo(k)fluoranthene
Concen: 0.450 ng m
RT: 23.14 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BE099439.D
Acq: 30 Apr 2019 23:25

Instrument :
BNA_E
ClientSampleId :
PST-003-B175-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.4	27.6
125	15.3	5.0	7.4

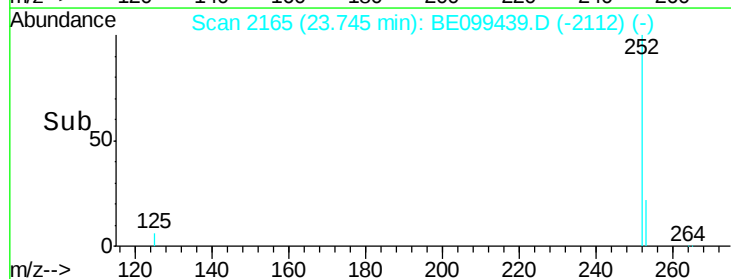
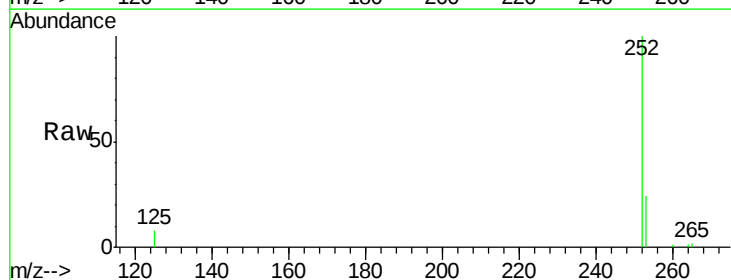
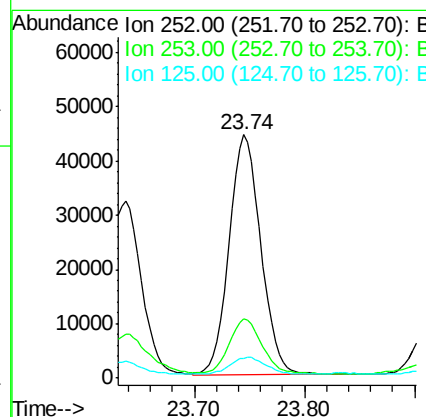
Manual Integrations
APPROVED

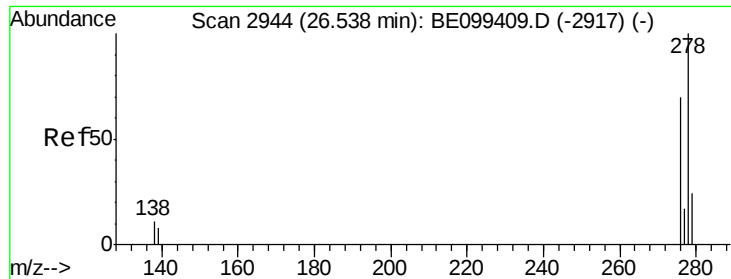
Sohil
5/1/2019 12:02:50 PM



#37
Benzo(a)pyrene
Concen: 0.844 ng
RT: 23.74 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BE099439.D
Acq: 30 Apr 2019 23:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.9	28.3
125	8.2	6.7	10.1





#38

Dibenzo(a,h)anthracene

Concen: 0.153 ng

RT: 26.52 min Scan# 2938

Delta R.T. -0.02 min

Lab File: BE099439.D

Acq: 30 Apr 2019 23:25

Instrument :

BNA_E

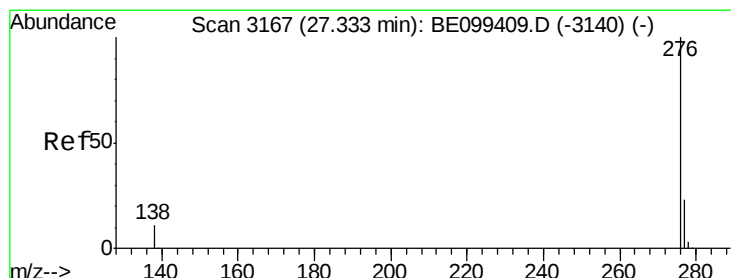
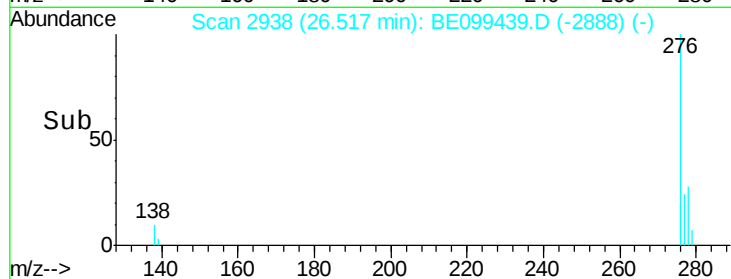
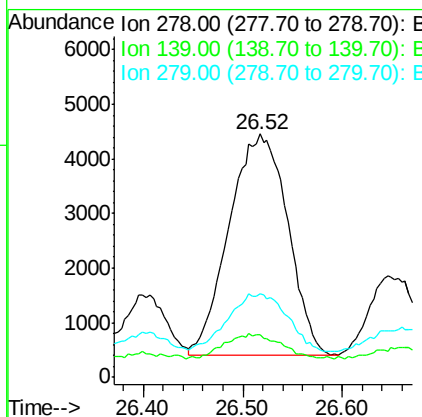
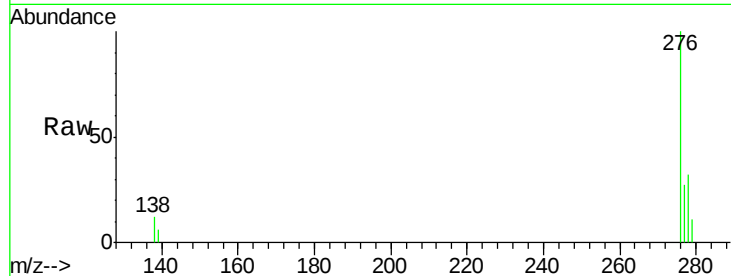
ClientSampleId :

PST-003-B175-042319

Tgt Ion:	278	Resp:	16491
Ion Ratio	Lower	Upper	
278	100		
139	17.3	7.7	11.5#
279	34.1	20.2	30.2#

Manual Integrations
APPROVED

Sohil
5/1/2019 12:02:50 PM



#39

Benzo(g,h,i)perylene

Concen: 0.581 ng

RT: 27.32 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BE099439.D

Acq: 30 Apr 2019 23:25

Tgt Ion:	276	Resp:	62625
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.5	29.3
138	11.8	9.6	14.4

