

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099426.D
 Acq On : 30 Apr 2019 14:57
 Operator : JU/SJ
 Sample : K2587-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B165-042319

Manual Integrations
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Sohil
 5/1/2019 12:02:25 PM

Quant Time: May 01 01:22:34 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	7.82	152	2235	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	7761	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5240	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	16114	0.40	ng	0.00
27) Chrysene-d12	21.37	240	26058	0.40	ng	0.00
34) Perylene-d12	23.86	264	30938	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2211	0.36	ng	0.00
5) Phenol-d6	6.96	99	3143	0.38	ng	-0.01
8) Nitrobenzene-d5	8.96	82	2469	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4491	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	1079	0.33	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	6776	0.34	ng	-0.01
25) Fluoranthene-d10	19.22	212	72961	0.34	ng	0.00
29) Terphenyl-d14	19.81	244	14881	0.31	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	2466	0.029	ng	# 92
12) 2-Methylnaphthalene	12.27	142	415	0.028	ng	# 92
16) Acenaphthylene	14.18	152	1228	0.048	ng	# 88
18) Fluorene	15.49	166	688	0.032	ng	# 88
23) Phenanthrene	17.23	178	14653	0.352	ng	99
24) Anthracene	17.32	178	2675	0.067	ng	# 95
26) Fluoranthene	19.25	202	41626	0.668	ng	100
28) Pyrene	19.61	202	40785	0.600	ng	# 96
30) Benzo(a)anthracene	21.34	228	29249	0.352	ng	97
31) Chrysene	21.40	228	32663	0.402	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	16766	0.071	ng	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	22196	0.231	ng	99
35) Benzo(b)fluoranthene	23.09	252	44712	0.501	ng	# 96
36) Benzo(k)fluoranthene	23.13	252	15553m	0.181	ng	
37) Benzo(a)pyrene	23.75	252	27943	0.331	ng	97
38) Dibenzo(a,h)anthracene	26.51	278	5942	0.069	ng	# 74
39) Benzo(g,h,i)perylene	27.32	276	21859	0.253	ng	99

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

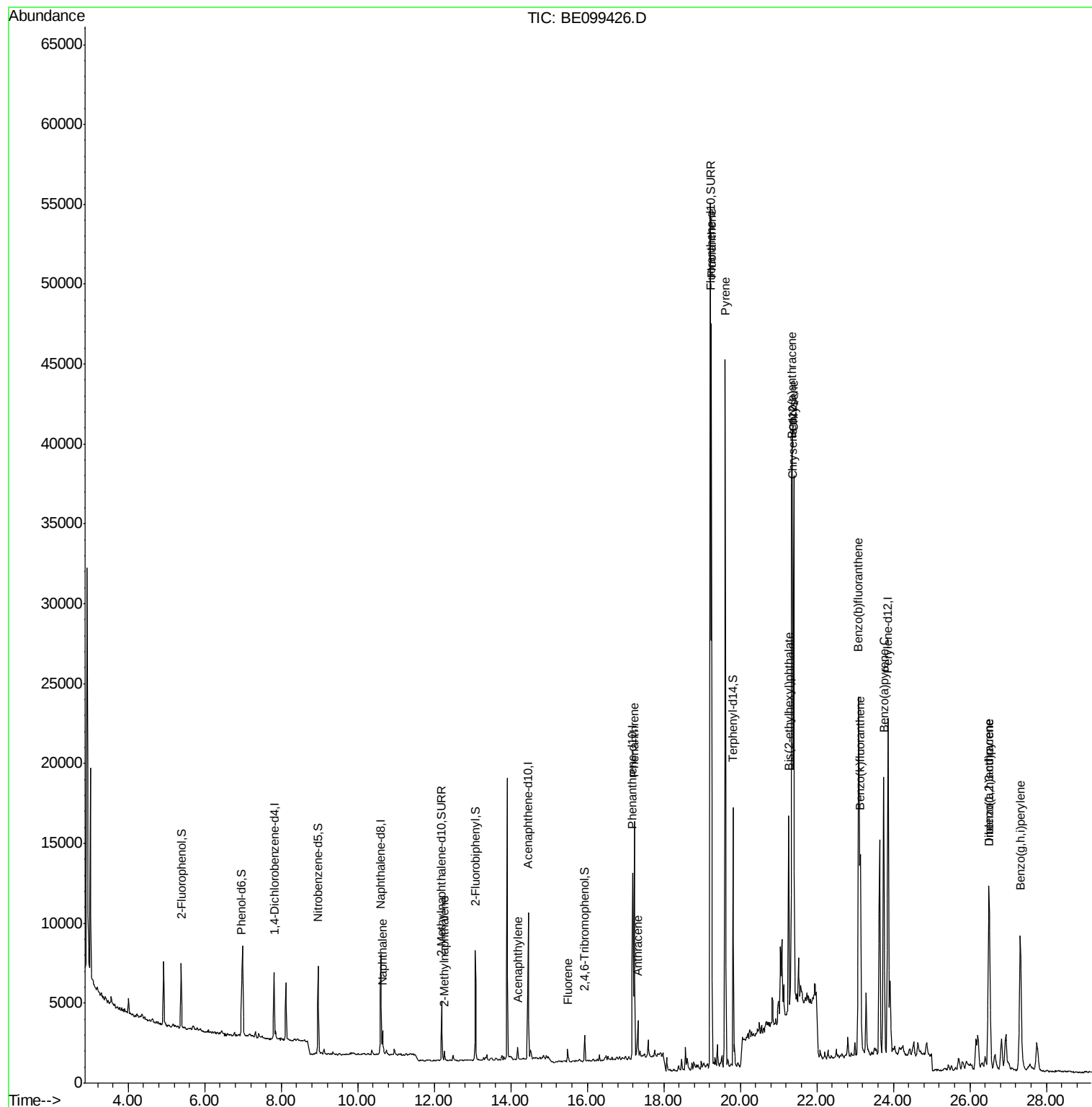
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
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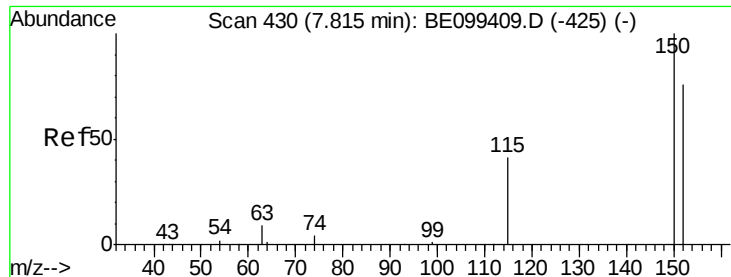
Instrument :
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PST-004-B165-042319

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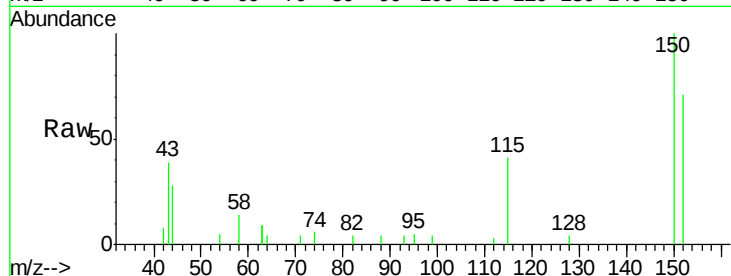




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099426.D
Acq: 30 Apr 2019 14:57

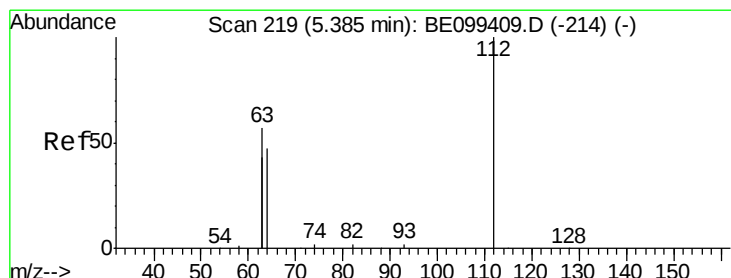
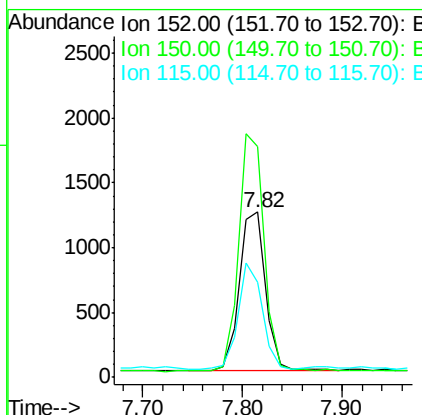
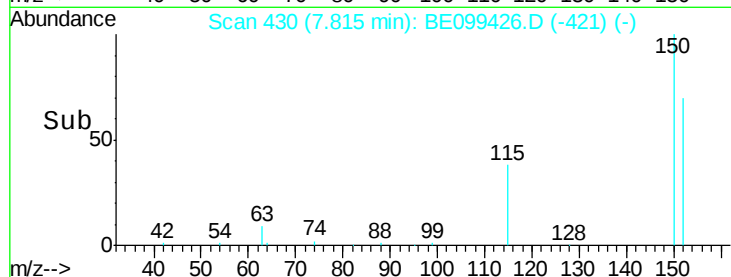
Instrument :
BNA_E
ClientSampleId :
PST-004-B165-042319



Tgt Ion	Ratio	Lower	Upper
152	100		
150	140.0	104.8	157.2
115	57.8	46.6	69.8

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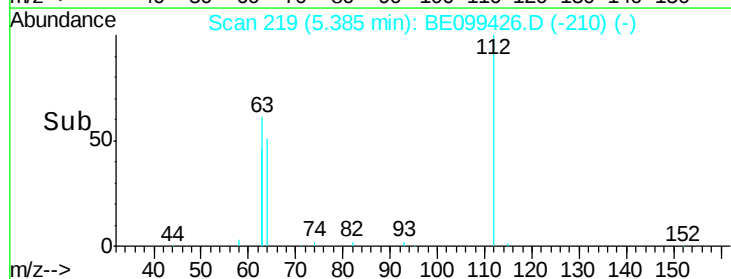
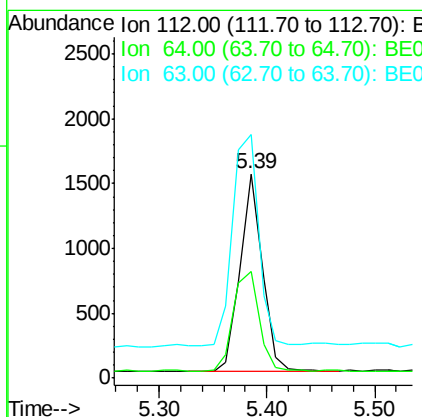
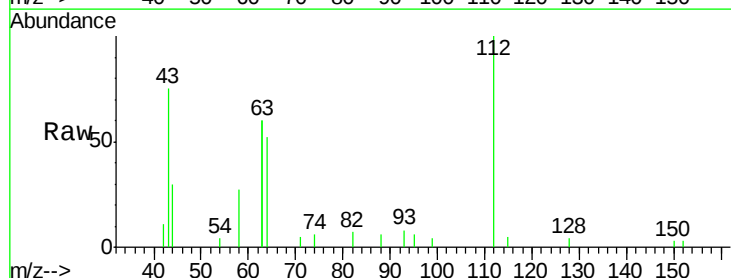
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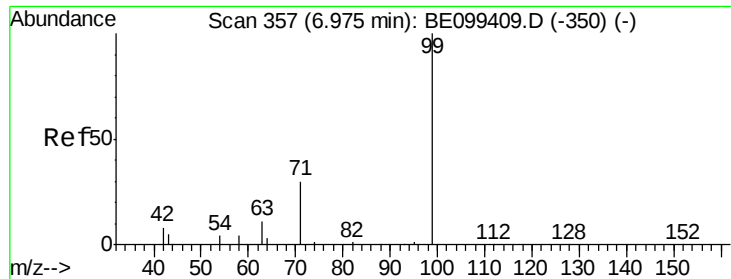


#4

2-Fluorophenol
Concen: 0.358 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099426.D
Acq: 30 Apr 2019 14:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.4	71.0
63	123.6	104.3	156.5





#5

Phenol-d6

Concen: 0.382 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099426.D

Acq: 30 Apr 2019 14:57

Instrument :

BNA_E

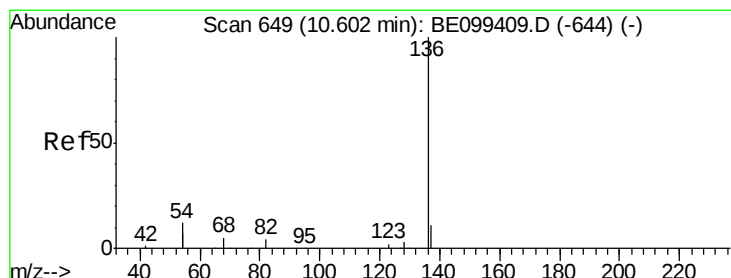
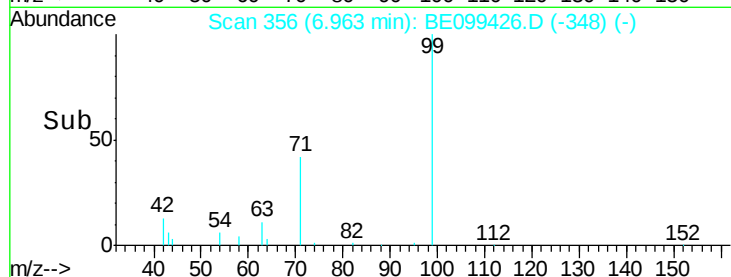
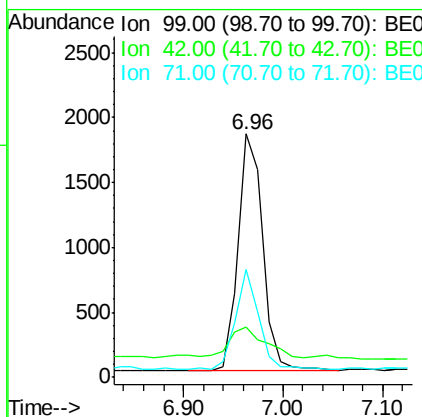
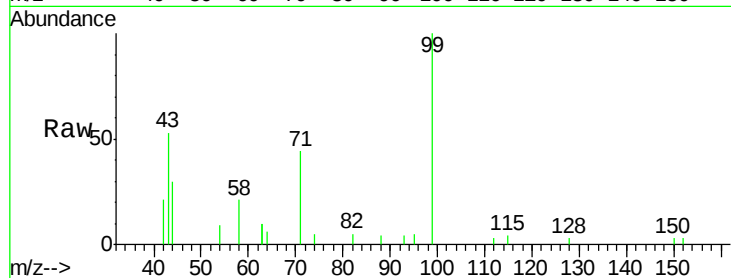
ClientSampleId :

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Tgt Ion:	99	Resp:	3143
Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.9	22.3
71	39.0	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

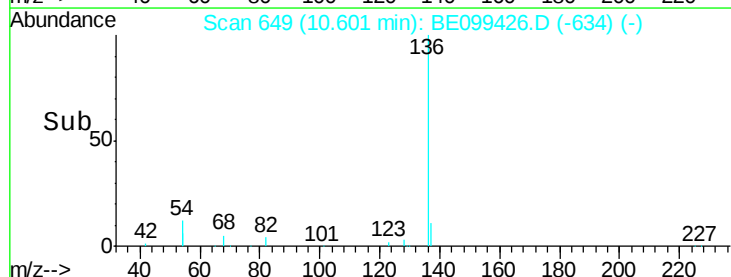
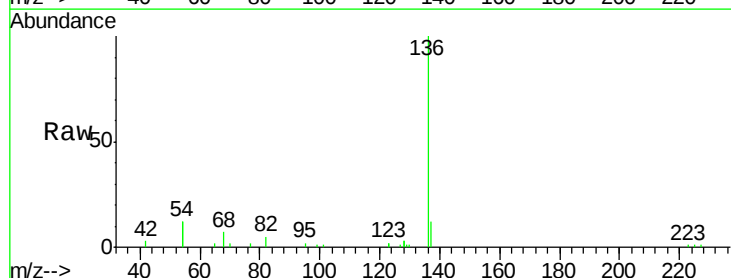
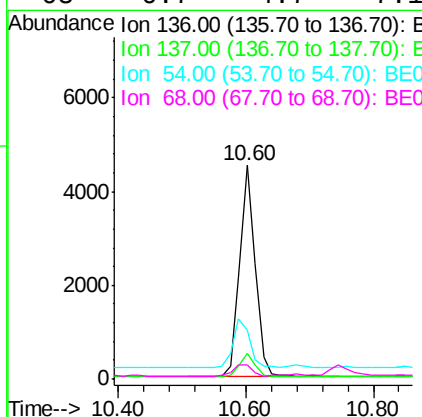
RT: 10.60 min Scan# 649

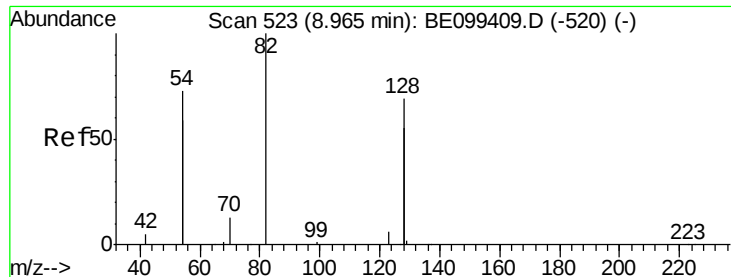
Delta R.T. -0.00 min

Lab File: BE099426.D

Acq: 30 Apr 2019 14:57

Tgt Ion:	136	Resp:	7761
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.8	14.8
54	23.0	18.5	27.7
68	6.7	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.339 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099426.D

Acq: 30 Apr 2019 14:57

Instrument :

BNA_E

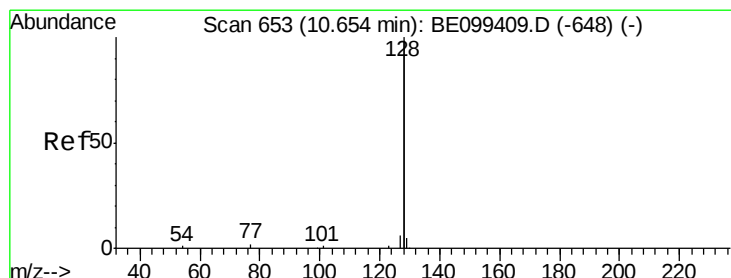
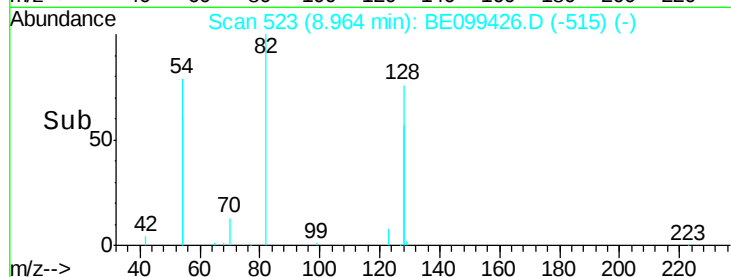
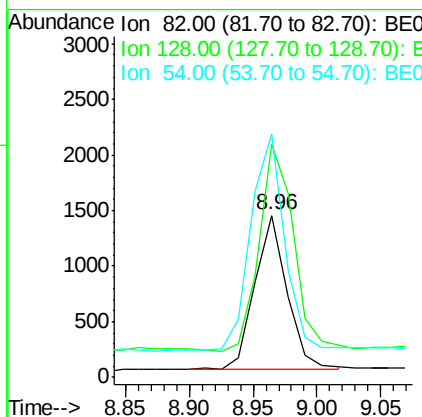
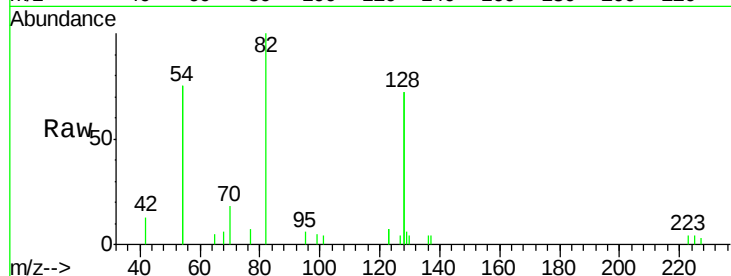
ClientSampleId :

PST-004-B165-042319

Tgt Ion:	82	Resp:	2469
Ion	Ratio	Lower	Upper
82	100		
128	144.0	107.0	160.4
54	150.4	113.1	169.7

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#9

Naphthalene

Concen: 0.029 ng

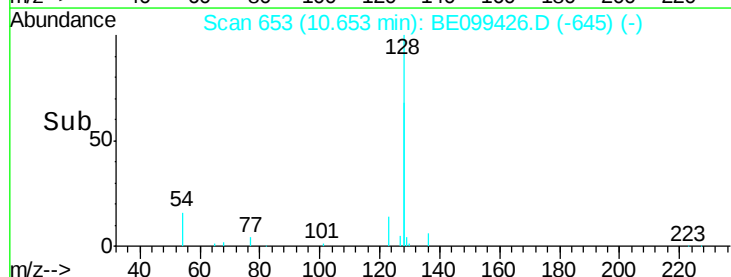
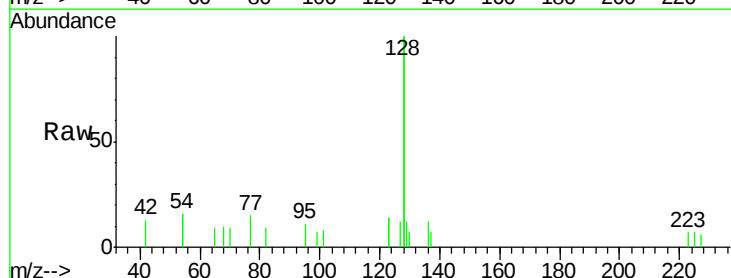
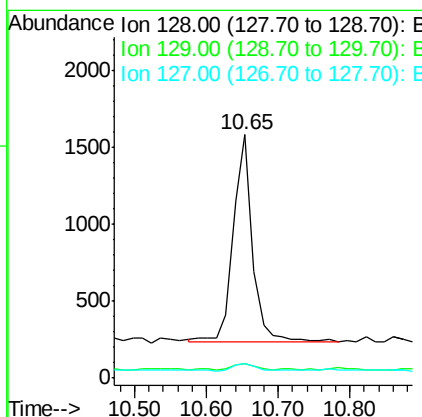
RT: 10.65 min Scan# 653

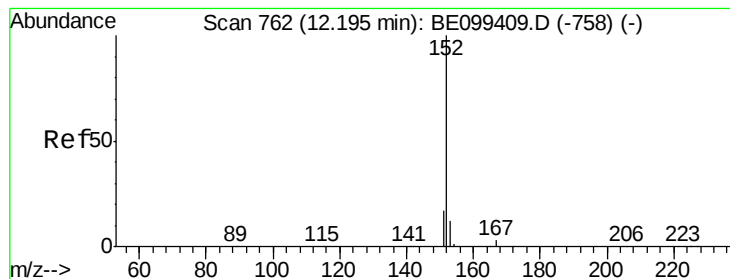
Delta R.T. -0.00 min

Lab File: BE099426.D

Acq: 30 Apr 2019 14:57

Tgt Ion:	128	Resp:	2466
Ion	Ratio	Lower	Upper
128	100		
129	6.0	2.4	3.6#
127	5.9	2.8	4.2#





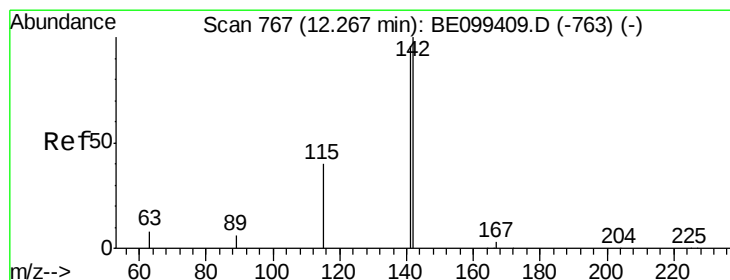
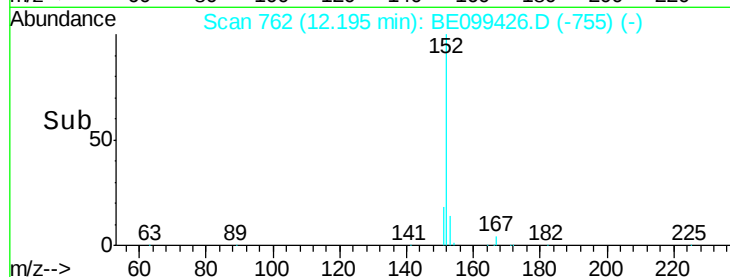
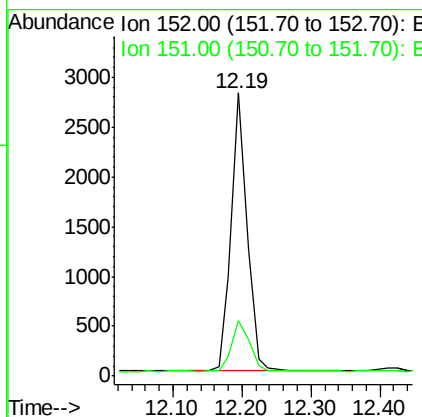
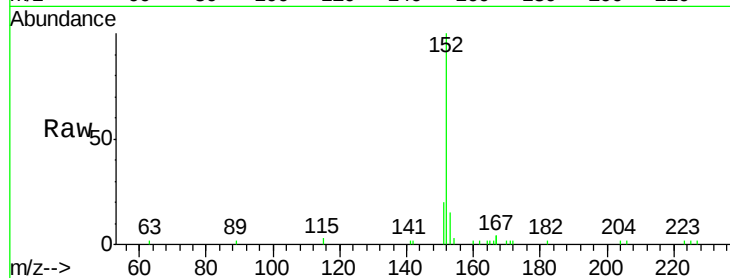
#11
2-Methylnaphthalene-d10
Concen: 0.321 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099426.D
Acq: 30 Apr 2019 14:57

Instrument :
BNA_E
ClientSampleId :
PST-004-B165-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.5	23.3

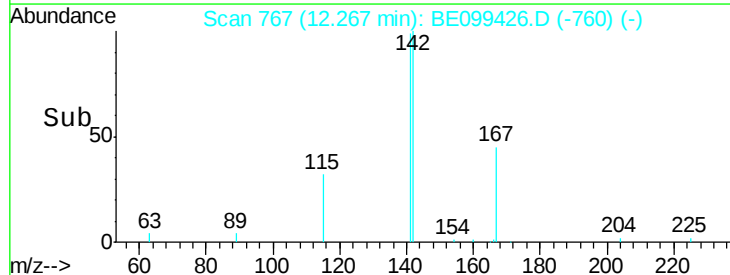
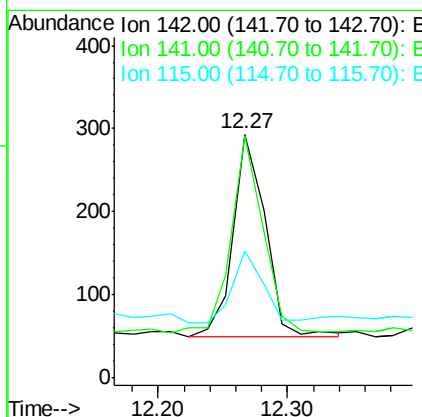
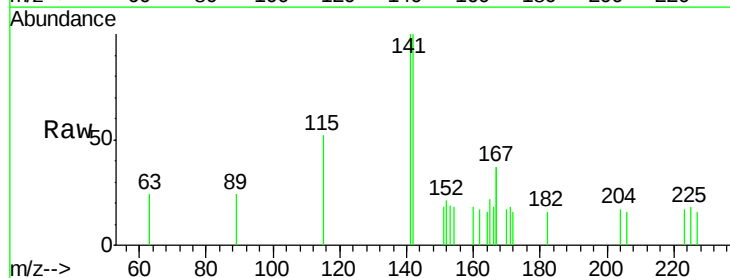
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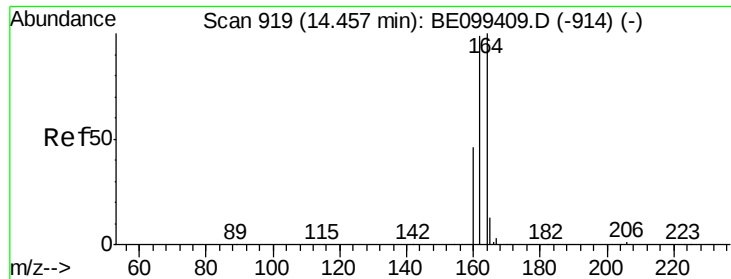
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#12
2-Methylnaphthalene
Concen: 0.028 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099426.D
Acq: 30 Apr 2019 14:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	99.7	77.0	115.4
115	52.2	33.4	50.0#





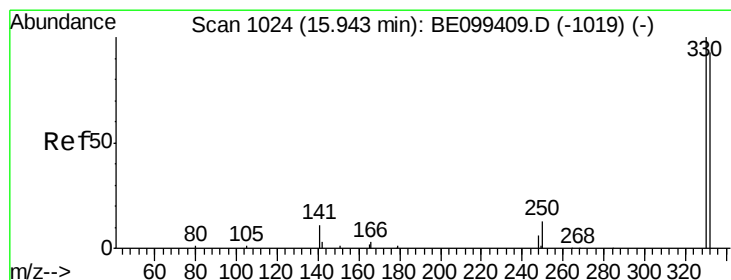
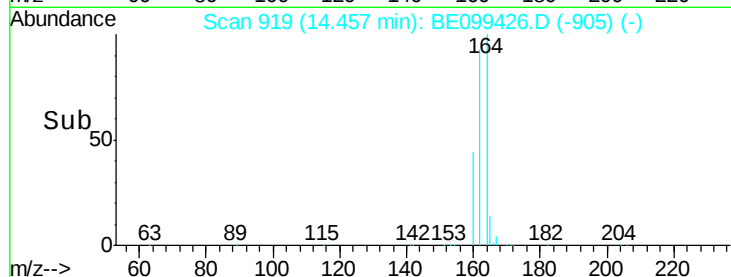
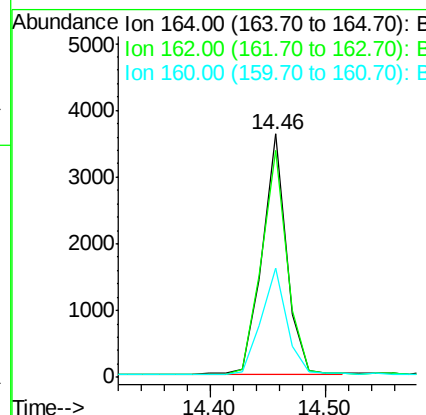
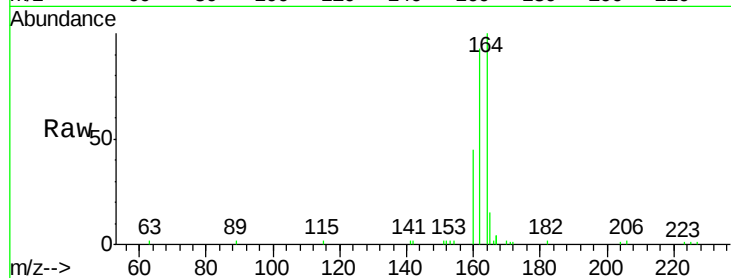
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099426.D
Acq: 30 Apr 2019 14:57

Instrument :
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ClientSampleId :
PST-004-B165-042319

Tgt Ion:164 Resp: 5240
Ion Ratio Lower Upper
164 100
162 93.3 79.0 118.4
160 44.7 37.0 55.4

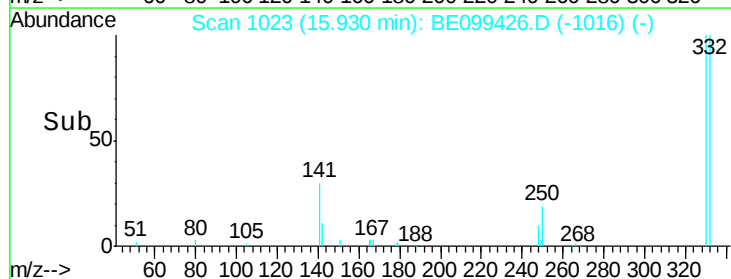
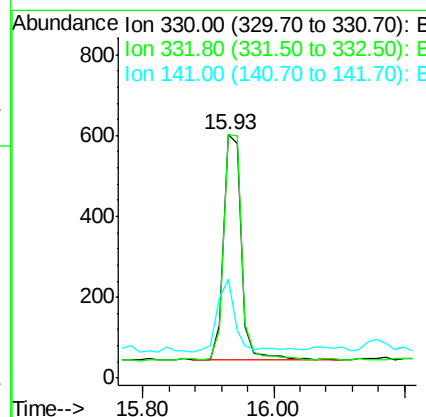
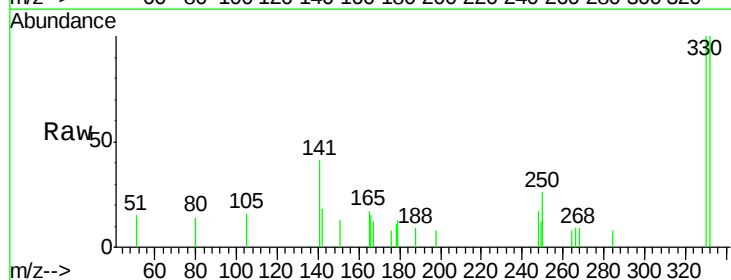
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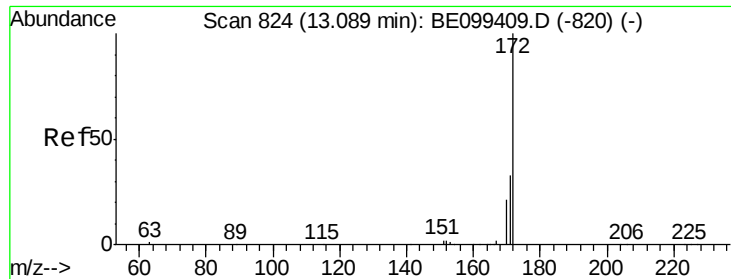
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#14
2,4,6-Tribromophenol
Concen: 0.327 ng
RT: 15.93 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BE099426.D
Acq: 30 Apr 2019 14:57

Tgt Ion:330 Resp: 1079
Ion Ratio Lower Upper
330 100
332 99.1 71.5 107.3
141 33.1 24.0 36.0





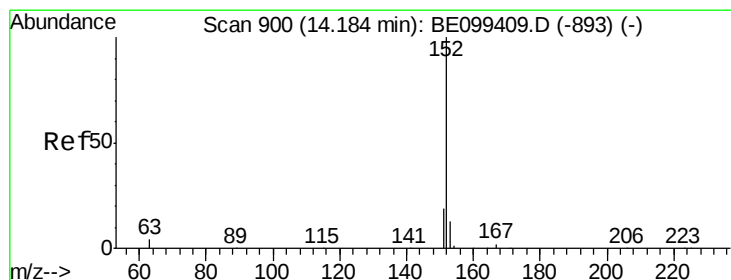
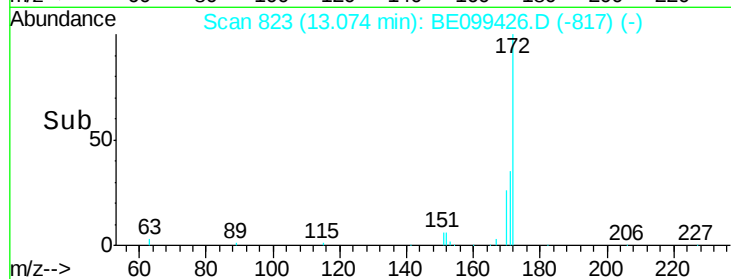
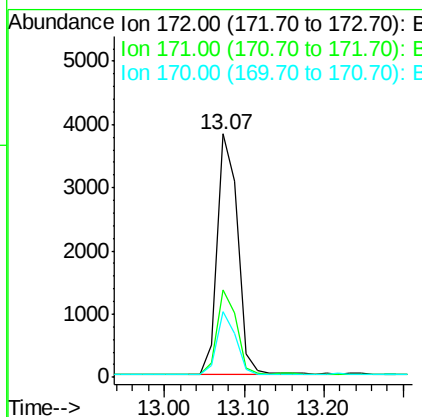
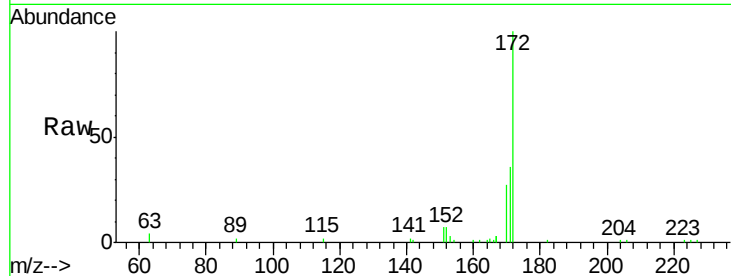
#15
2-Fluorobiphenyl
Concen: 0.339 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099426.D
Acq: 30 Apr 2019 14:57

Instrument :
BNA_E
ClientSampleId :
PST-004-B165-042319

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	26.6	39.8
170	27.2	17.0	25.6

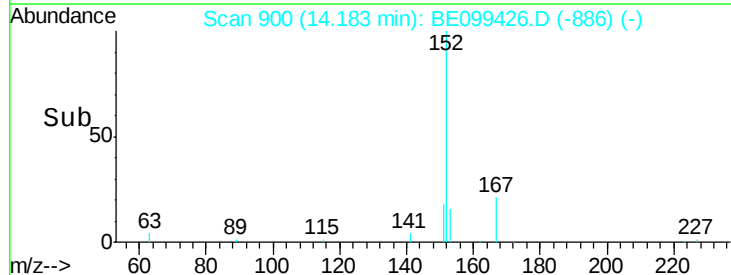
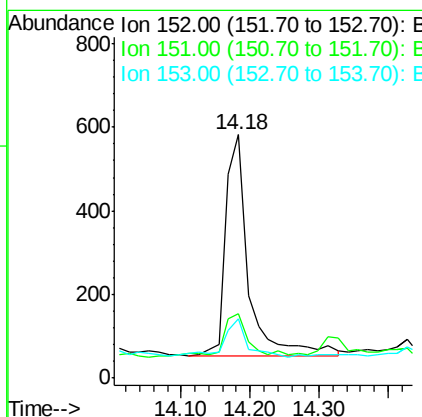
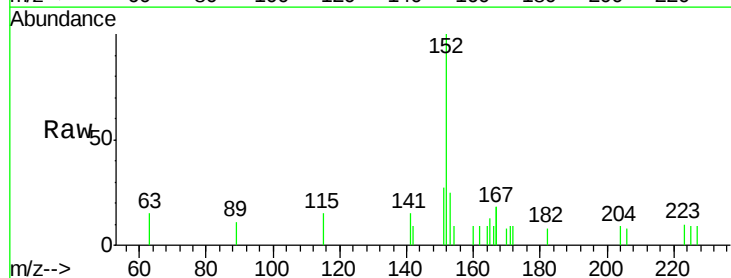
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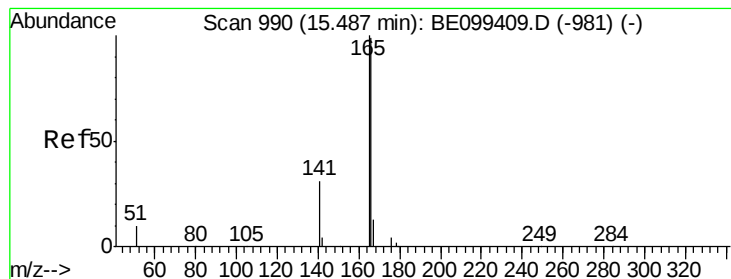
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#16
Acenaphthylene
Concen: 0.048 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099426.D
Acq: 30 Apr 2019 14:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	24.2	15.4	23.2
153	17.4	9.8	14.6





#18

Fluorene

Concen: 0.032 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099426.D

Acq: 30 Apr 2019 14:57

Instrument :

BNA_E

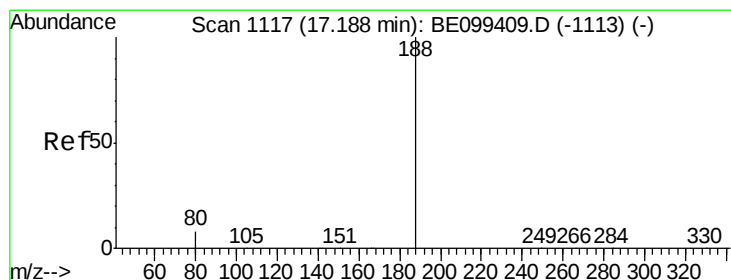
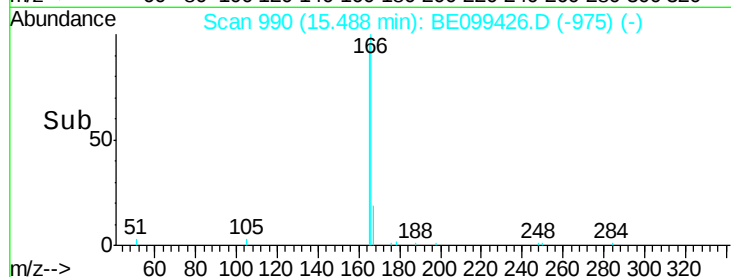
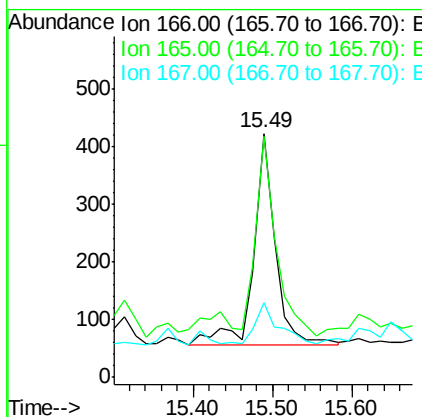
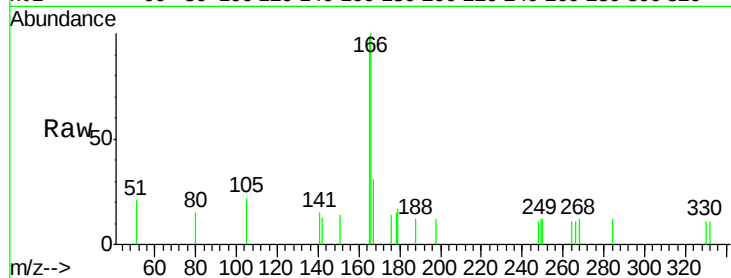
ClientSampleId :

PST-004-B165-042319

Tgt Ion:	166	Resp:	688
Ion Ratio	Lower	Upper	
166	100		
165	89.2	80.3	120.5
167	20.9	10.7	16.1#

Manual Integrations
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#19

Phenanthrene-d10

Concen: 0.400 ng

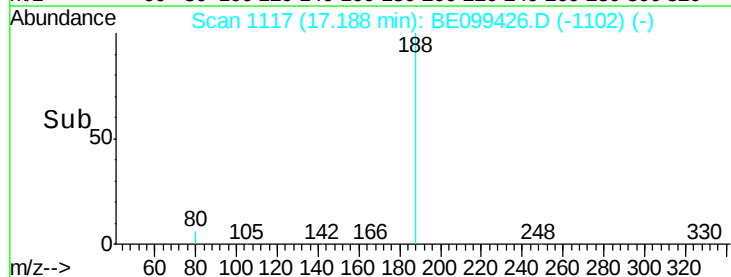
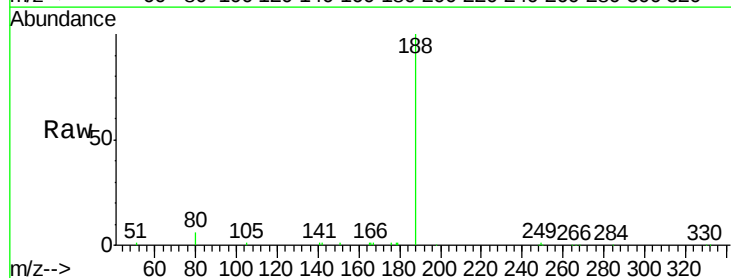
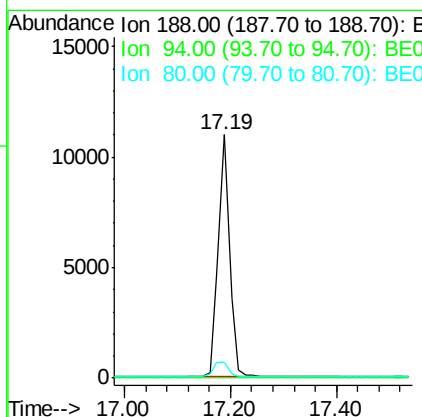
RT: 17.19 min Scan# 1117

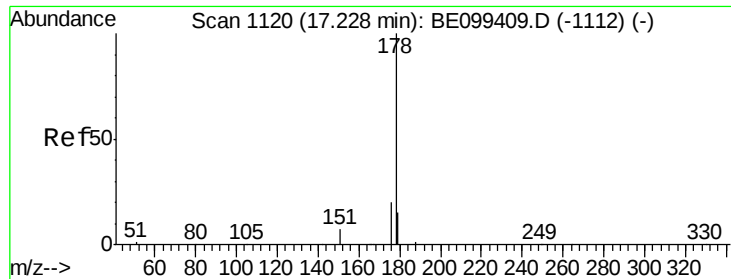
Delta R.T. 0.00 min

Lab File: BE099426.D

Acq: 30 Apr 2019 14:57

Tgt Ion:	188	Resp:	16114
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.3	6.7	10.1#





#23

Phenanthrene

Concen: 0.352 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099426.D

Acq: 30 Apr 2019 14:57

Instrument :

BNA_E

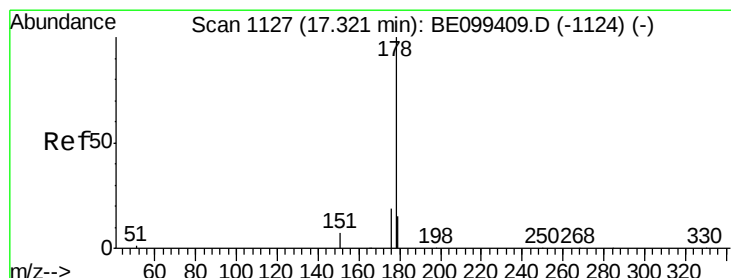
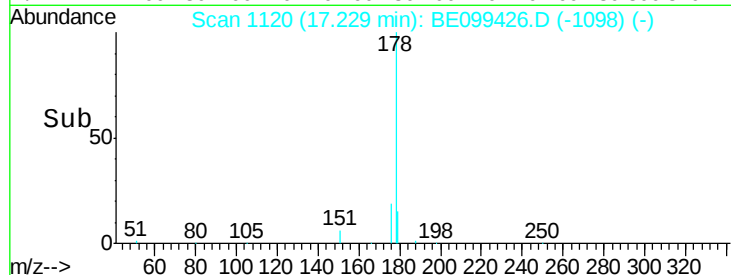
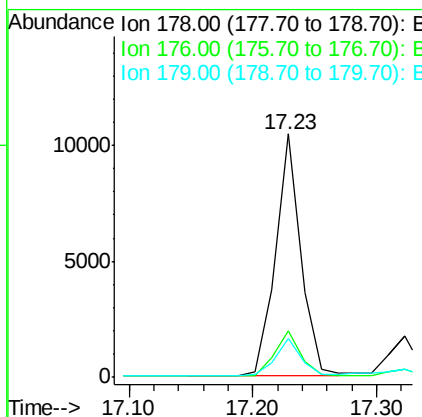
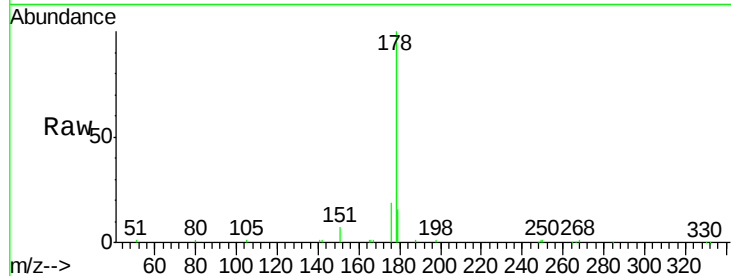
ClientSampleId :

PST-004-B165-042319

Tgt Ion:	178	Resp:	14653
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.6	23.4
179	15.5	12.0	18.0

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#24

Anthracene

Concen: 0.067 ng

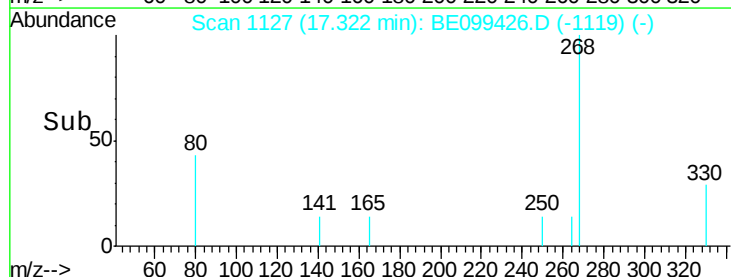
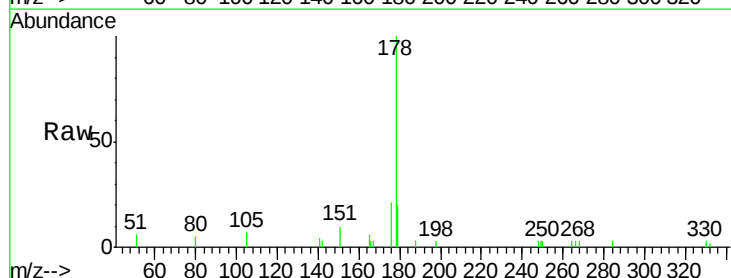
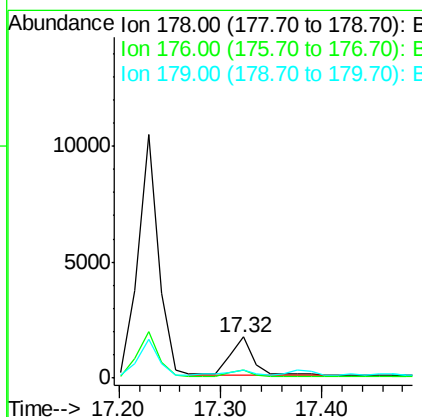
RT: 17.32 min Scan# 1127

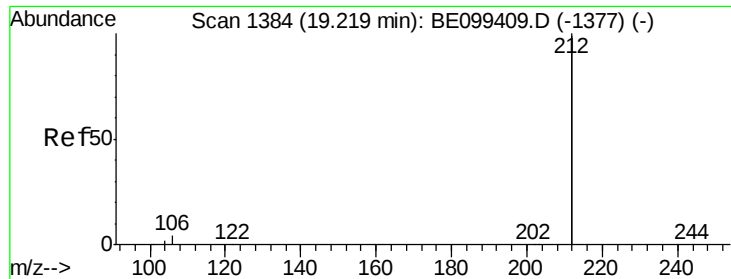
Delta R.T. 0.00 min

Lab File: BE099426.D

Acq: 30 Apr 2019 14:57

Tgt Ion:	178	Resp:	2675
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.9	22.3
179	19.0	11.9	17.9#





#25

Fluoranthene-d10

Concen: 0.336 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099426.D

Acq: 30 Apr 2019 14:57

Instrument :

BNA_E

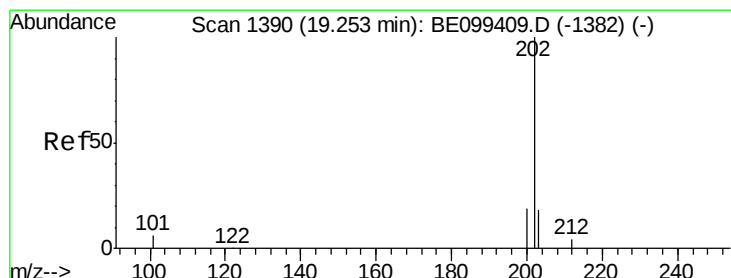
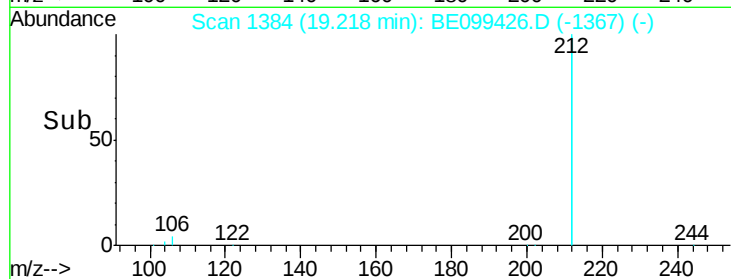
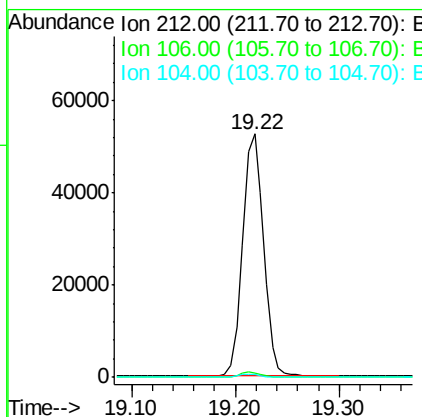
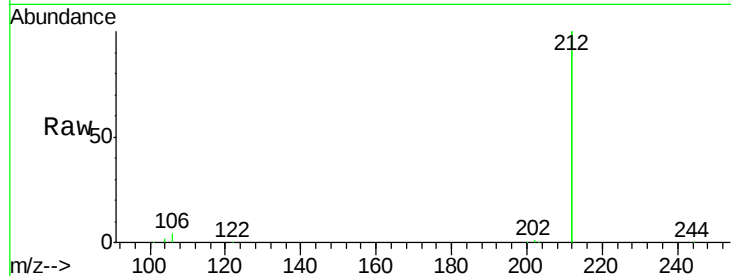
ClientSampleId :

PST-004-B165-042319

Tgt Ion:	212	Resp:	72961
Ion Ratio	Lower	Upper	
212	100		
106	2.0	1.5	2.3
104	1.1	0.9	1.3

Manual Integrations
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#26

Fluoranthene

Concen: 0.668 ng

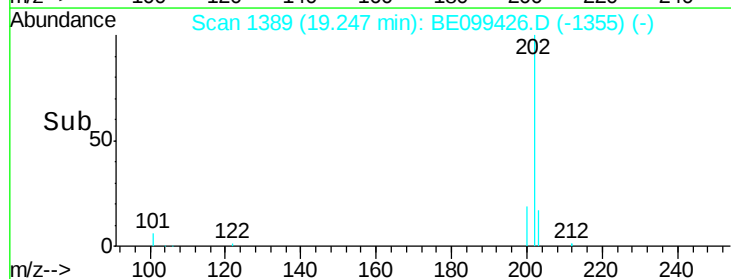
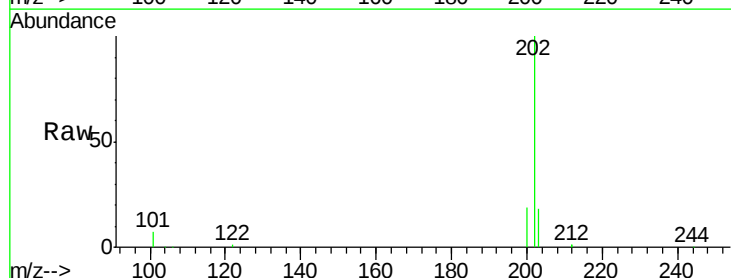
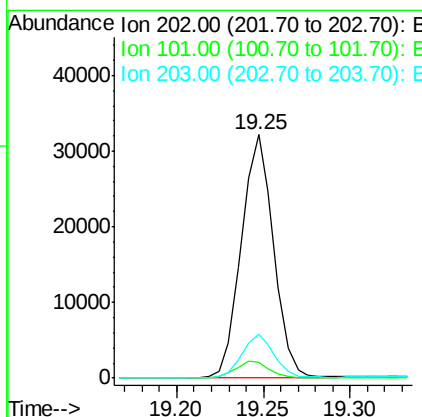
RT: 19.25 min Scan# 1389

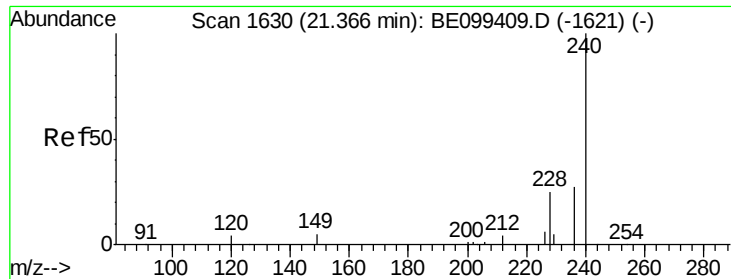
Delta R.T. -0.01 min

Lab File: BE099426.D

Acq: 30 Apr 2019 14:57

Tgt Ion:	202	Resp:	41626
Ion Ratio	Lower	Upper	
202	100		
101	6.9	5.4	8.0
203	17.4	13.9	20.9





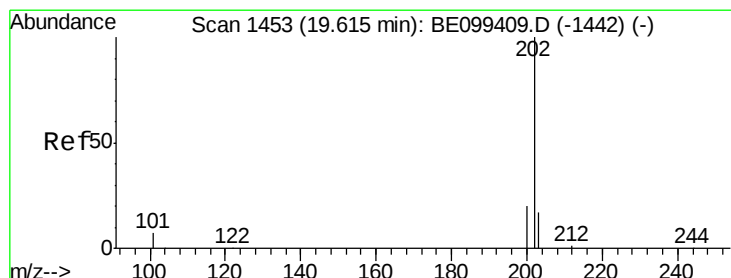
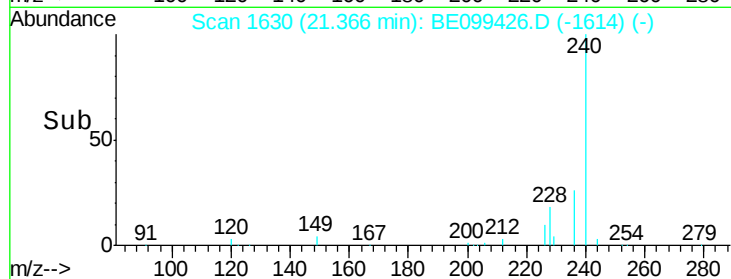
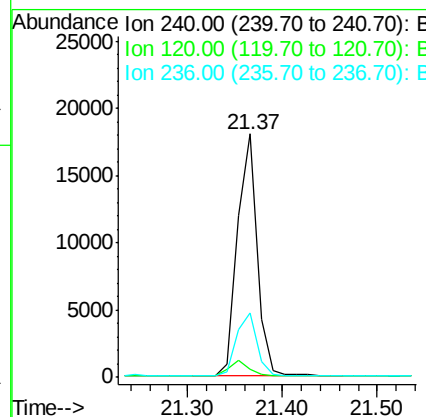
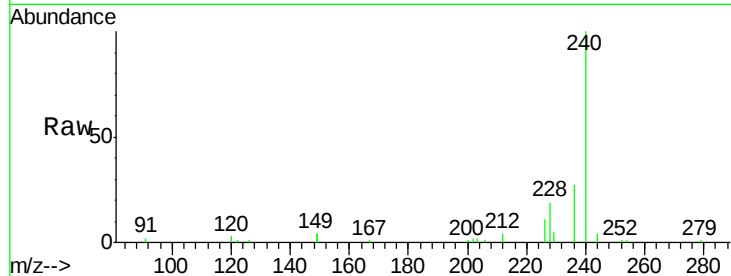
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099426.D
Acq: 30 Apr 2019 14:57

Instrument :
BNA_E
ClientSampleId :
PST-004-B165-042319

Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.3	4.0	6.0#
236	26.6	22.0	33.0

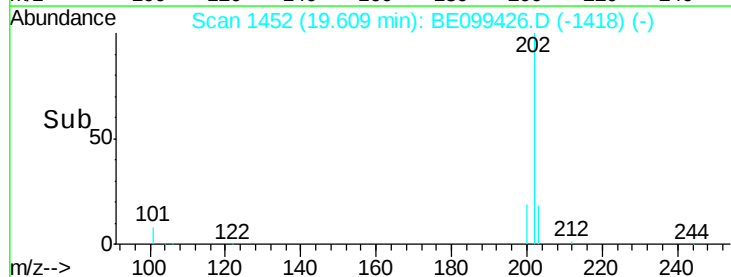
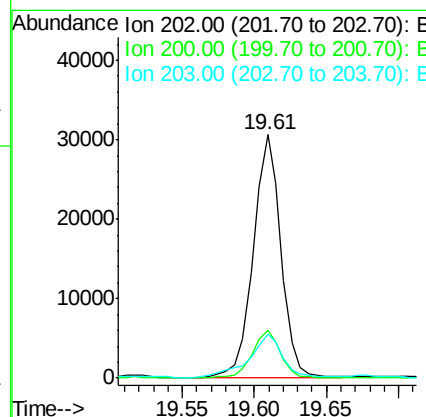
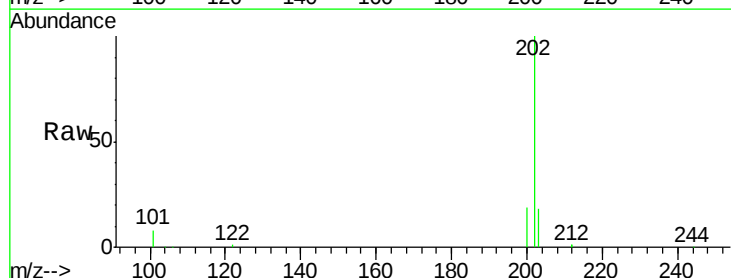
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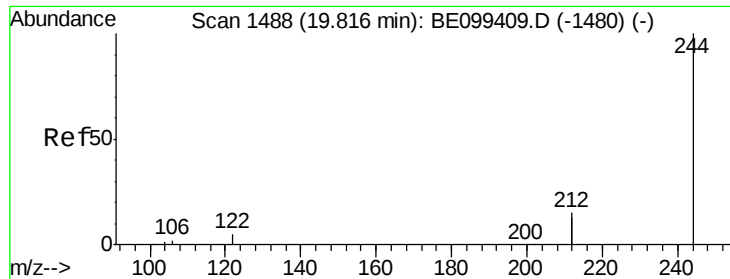
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#28
Pyrene
Concen: 0.600 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099426.D
Acq: 30 Apr 2019 14:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.7	23.5
203	21.0	13.9	20.9#





#29

Terphenyl-d14

Concen: 0.312 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099426.D

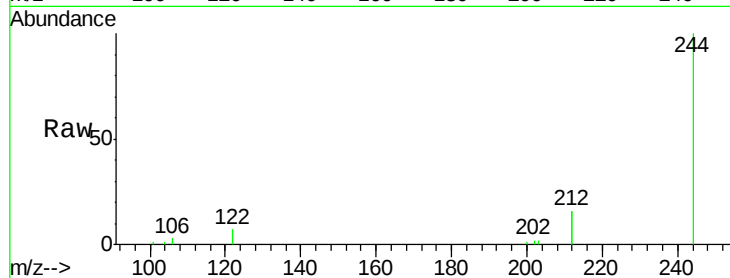
Acq: 30 Apr 2019 14:57

Instrument :

BNA_E

ClientSampleId :

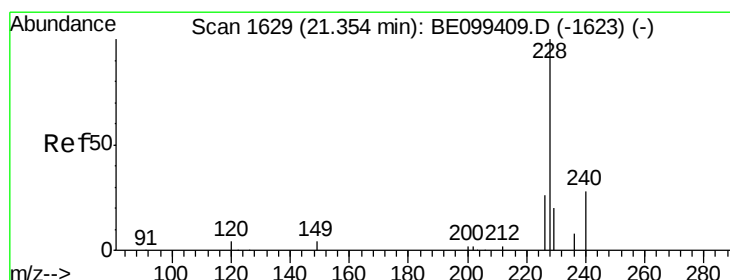
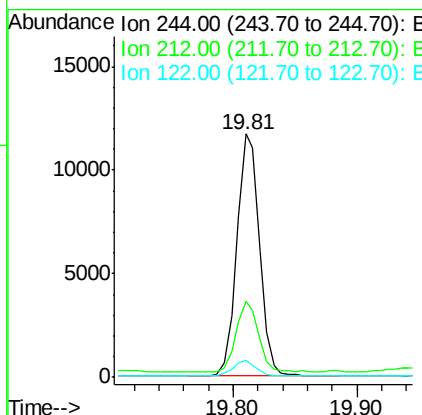
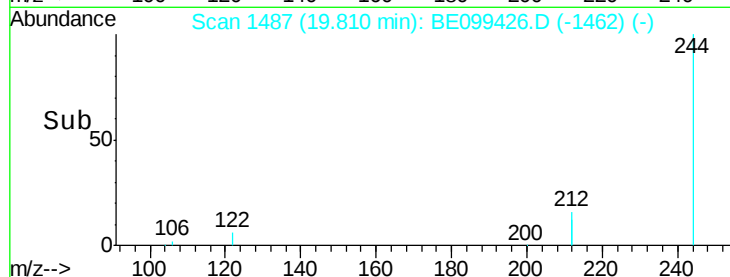
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Tgt Ion:	244	Resp:	14881
Ion Ratio	Lower	Upper	
244	100		
212	31.1	23.2	34.8
122	7.1	4.2	6.4

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#30

Benzo(a)anthracene

Concen: 0.352 ng

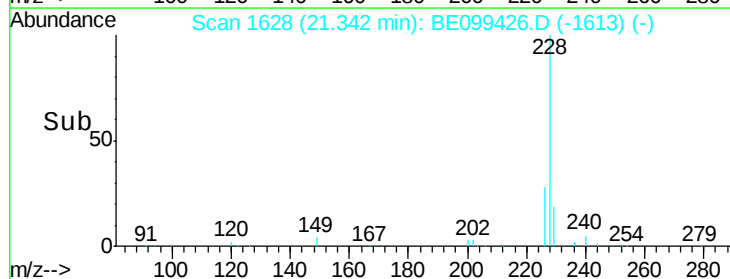
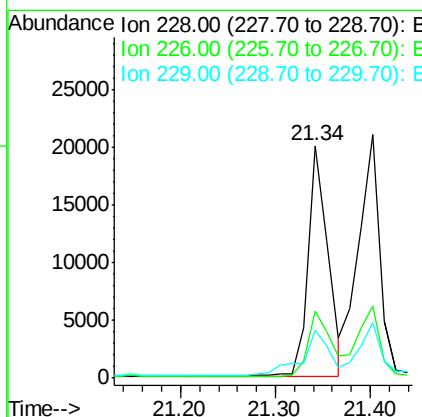
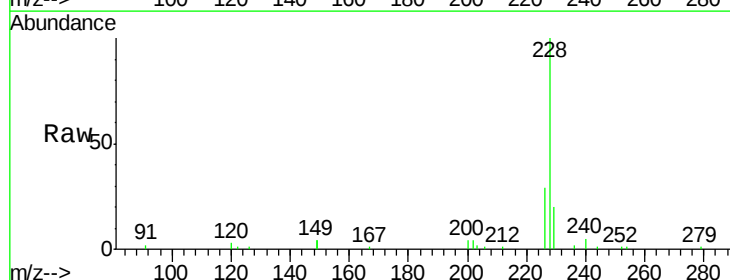
RT: 21.34 min Scan# 1628

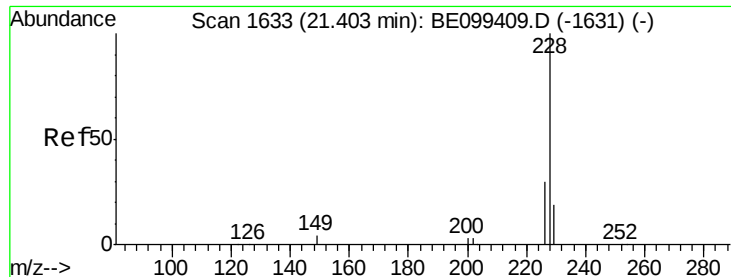
Delta R.T. -0.01 min

Lab File: BE099426.D

Acq: 30 Apr 2019 14:57

Tgt Ion:	228	Resp:	29249
Ion Ratio	Lower	Upper	
228	100		
226	29.0	21.0	31.6
229	20.4	16.6	25.0





#31

Chrysene

Concen: 0.402 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099426.D

Acq: 30 Apr 2019 14:57

Instrument :

BNA_E

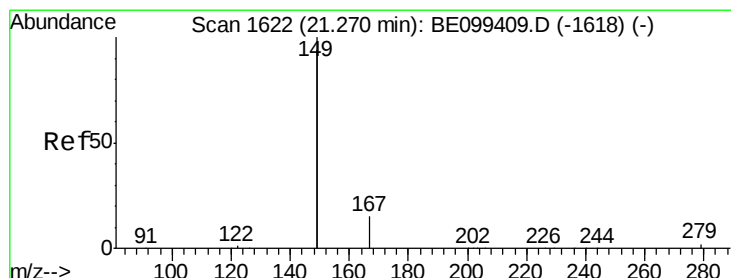
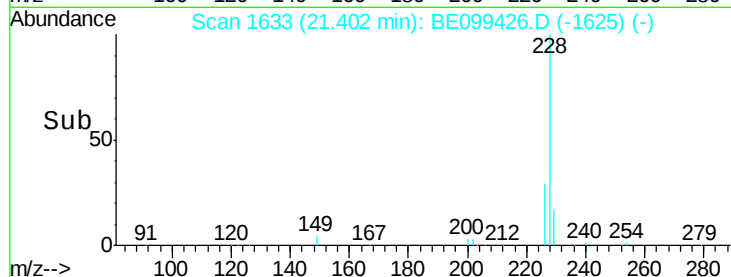
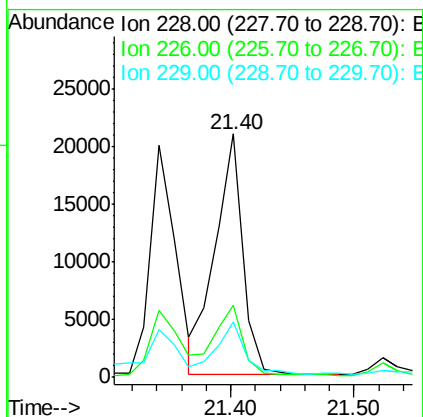
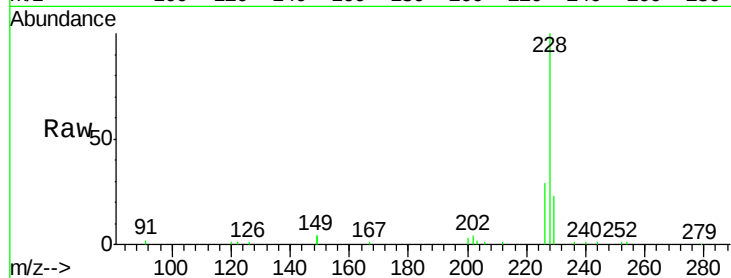
ClientSampleId :

PST-004-B165-042319

Tgt Ion:	228	Resp:	32663
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.0	36.0
229	22.5	15.8	23.8

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.071 ng

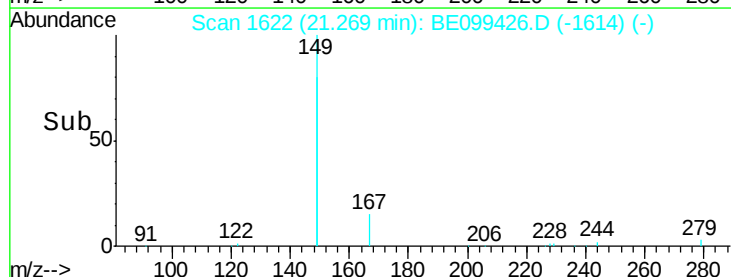
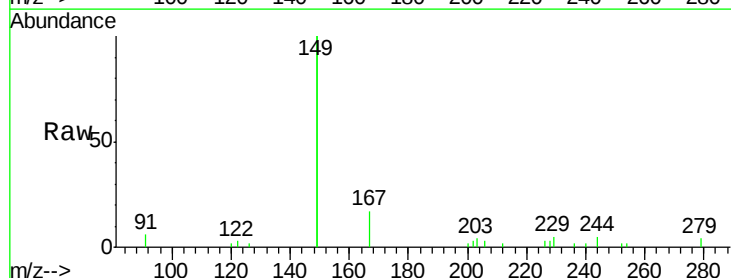
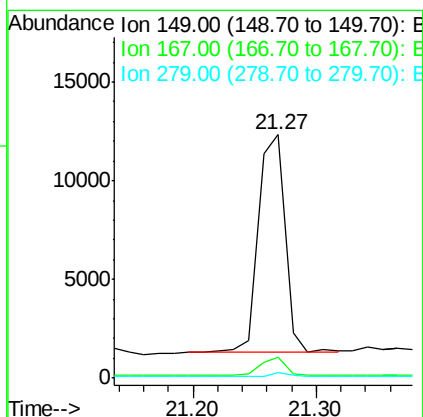
RT: 21.27 min Scan# 1622

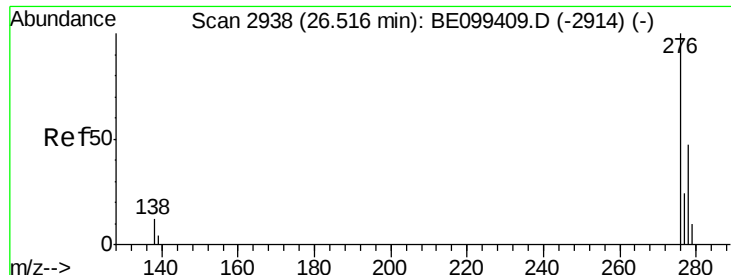
Delta R.T. 0.00 min

Lab File: BE099426.D

Acq: 30 Apr 2019 14:57

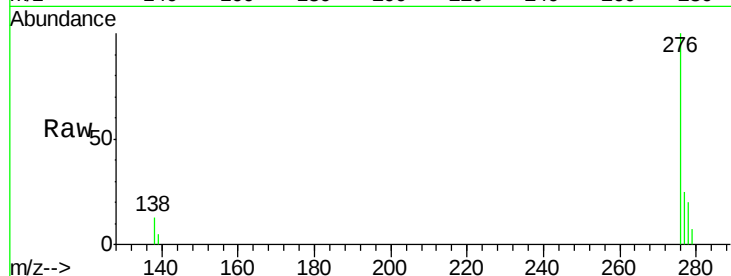
Tgt Ion:	149	Resp:	16766
Ion Ratio	Lower	Upper	
149	100		
167	7.7	5.8	8.6
279	1.4	1.0	1.6





#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.231 ng
 RT: 26.50 min Scan# 2933
 Delta R.T. -0.02 min
 Lab File: BE099426.D
 Acq: 30 Apr 2019 14:57

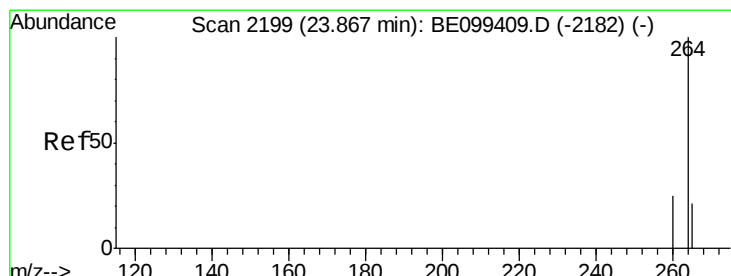
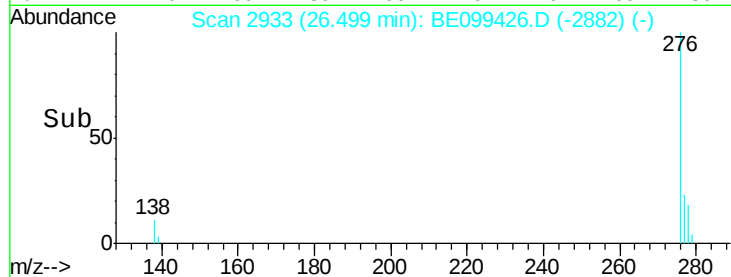
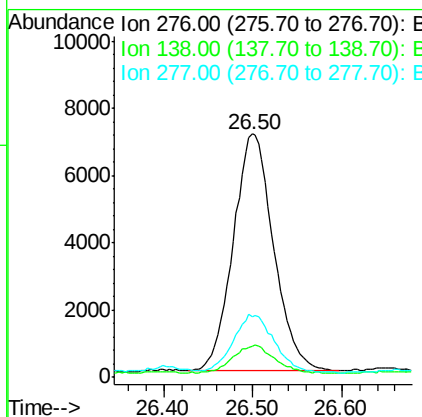
Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B165-042319



Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	12.3	10.2	15.2
277	24.2	19.2	28.8

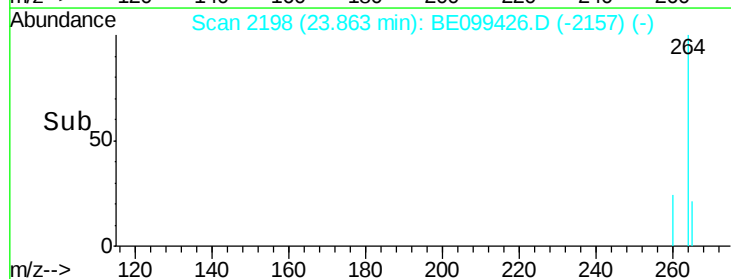
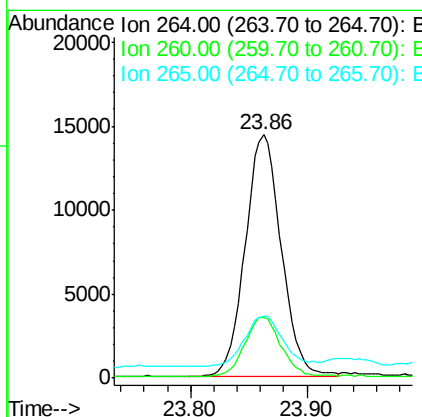
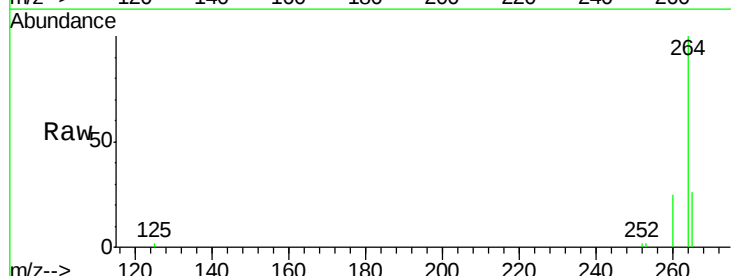
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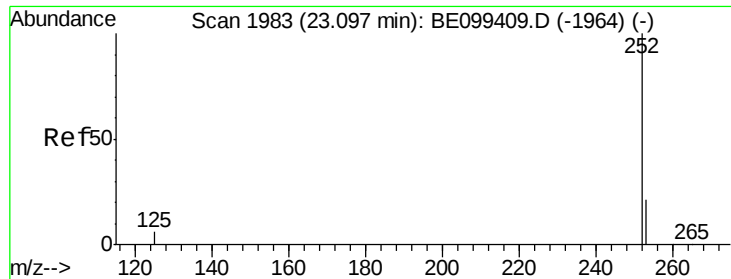
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BE099426.D
 Acq: 30 Apr 2019 14:57

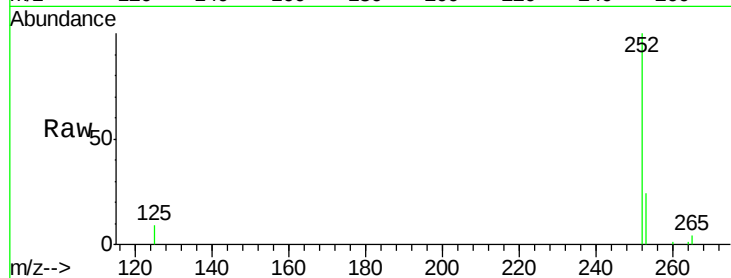
Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.9	20.2	30.2
265	25.5	21.3	31.9





#35
Benzo(b)fluoranthene
Concen: 0.501 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE099426.D
Acq: 30 Apr 2019 14:57

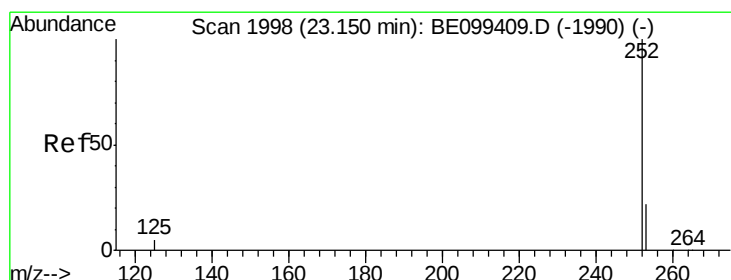
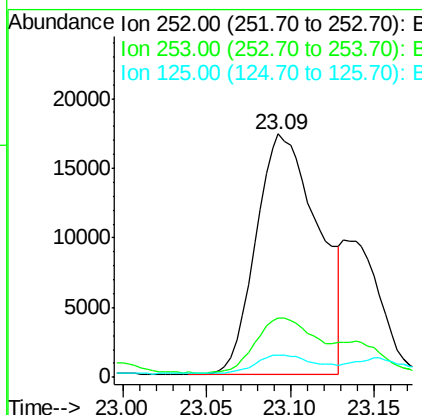
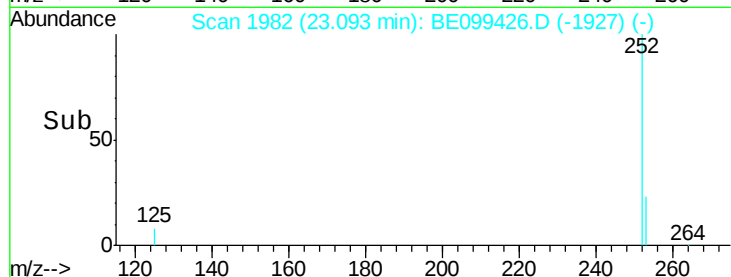
Instrument :
BNA_E
ClientSampleId :
PST-004-B165-042319



Tgt Ion: 252 Resp: 44712
Ion Ratio Lower Upper
252 100
253 24.4 18.1 27.1
125 9.2 5.6 8.4#

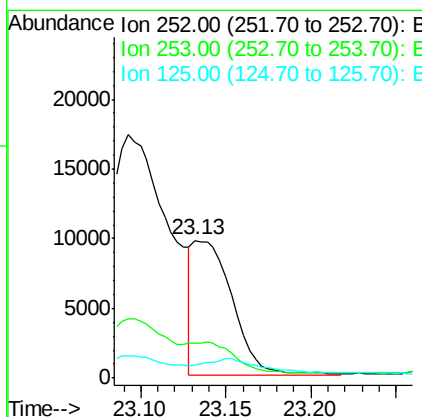
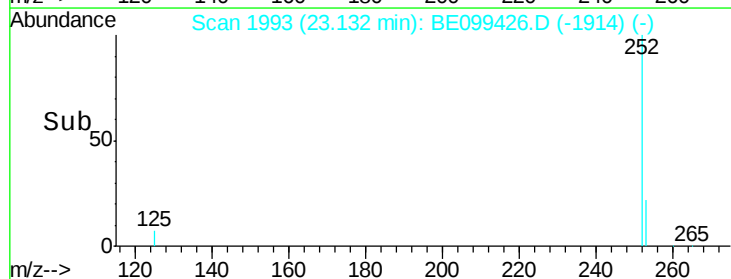
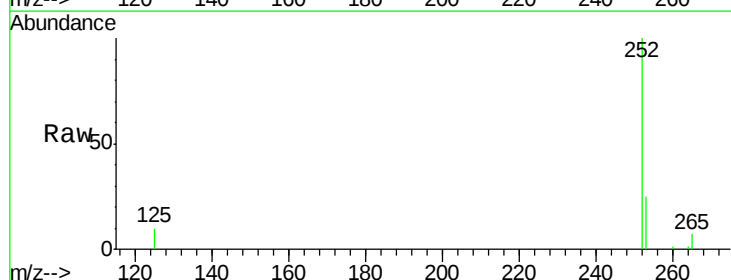
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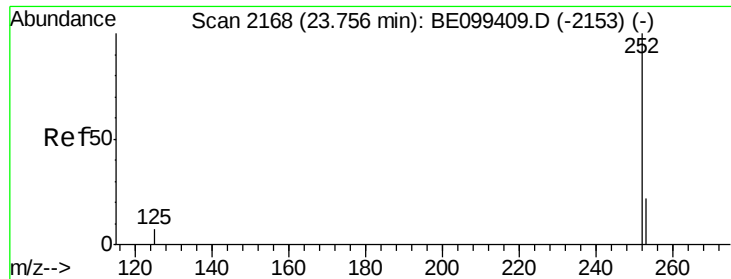
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#36
Benzo(k)fluoranthene
Concen: 0.181 ng m
RT: 23.13 min Scan# 1993
Delta R.T. -0.02 min
Lab File: BE099426.D
Acq: 30 Apr 2019 14:57

Tgt Ion: 252 Resp: 15553
Ion Ratio Lower Upper
252 100
253 25.3 18.4 27.6
125 9.7 5.0 7.4#





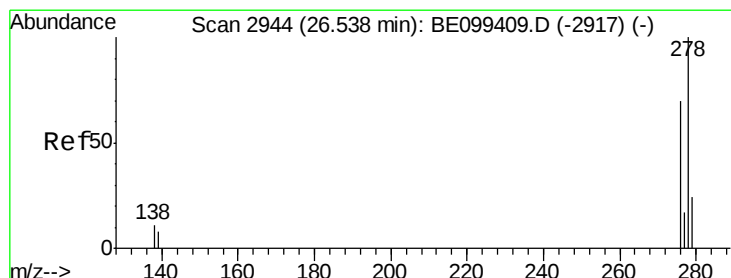
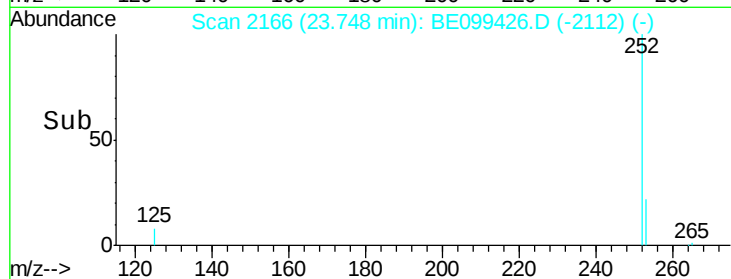
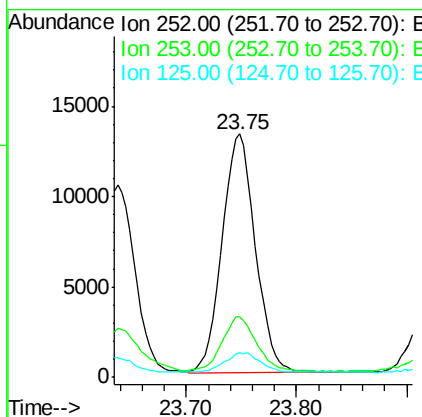
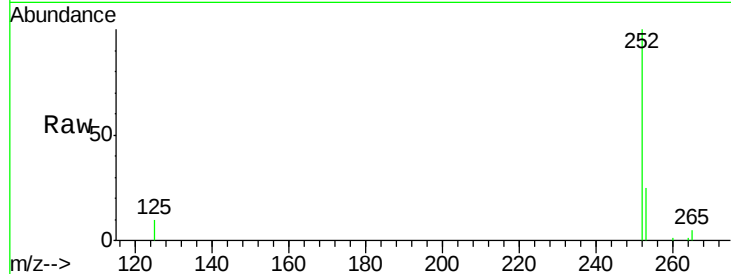
#37
Benzo(a)pyrene
Concen: 0.331 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BE099426.D
Acq: 30 Apr 2019 14:57

Instrument :
BNA_E
ClientSampleId :
PST-004-B165-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.9	28.3
125	10.0	6.7	10.1

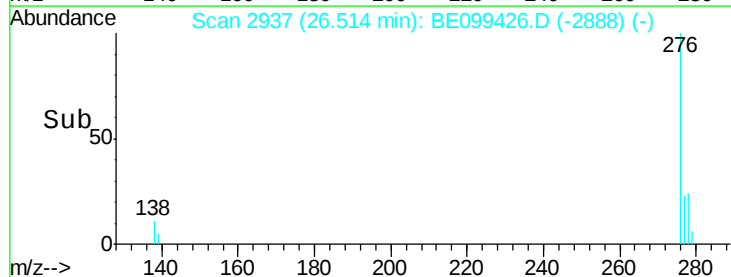
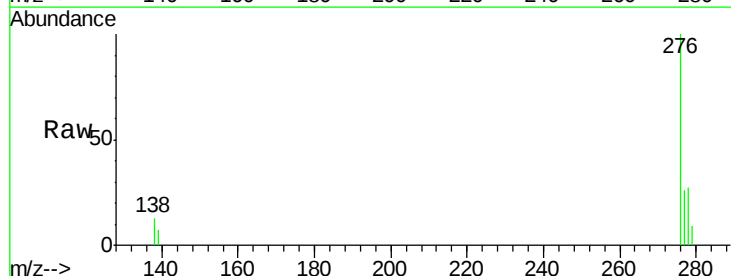
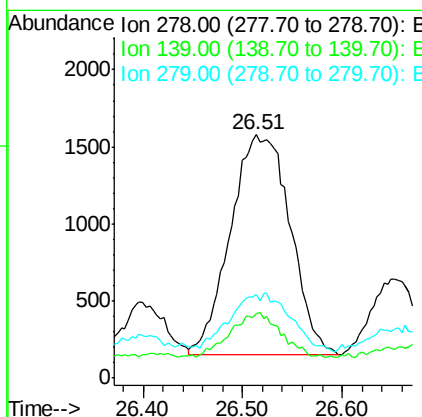
Manual Integrations
APPROVED

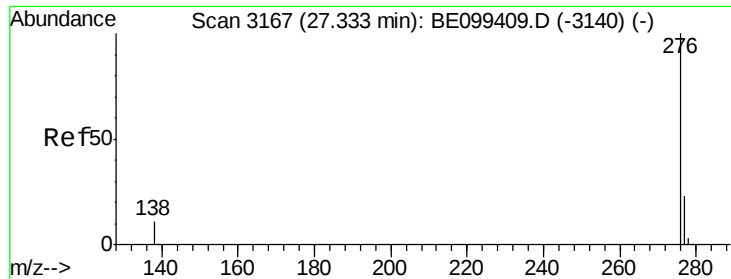
Sohil
5/1/2019 12:02:25 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.069 ng
RT: 26.51 min Scan# 2937
Delta R.T. -0.02 min
Lab File: BE099426.D
Acq: 30 Apr 2019 14:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.5	7.7	11.5#
279	34.1	20.2	30.2#





#39

Benzo(g,h,i)perylene

Concen: 0.253 ng

RT: 27.32 min Scan# 3162

Delta R.T. -0.02 min

Lab File: BE099426.D

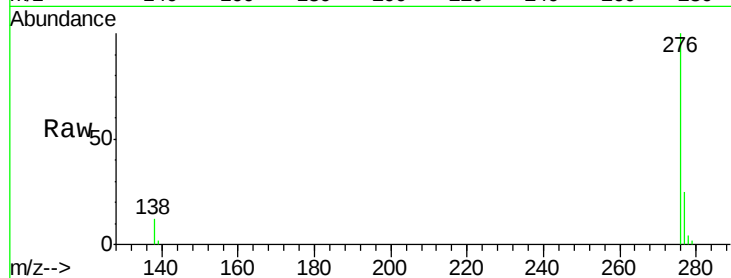
Acq: 30 Apr 2019 14:57

Instrument :

BNA_E

ClientSampleId :

PST-004-B165-042319



Tgt Ion:	276	Resp:	21859
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.5	29.3
138	12.4	9.6	14.4

Manual Integrations
APPROVED

Sohil
5/1/2019 12:02:25 PM

