

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
 Data File : BE099534.D
 Acq On : 3 May 2019 17:43
 Operator : JU/SJ
 Sample : K2587-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B178-042319

Manual Integrations
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mohammad
 5/7/2019 11:56:42 PM

Quant Time: May 04 01:51:19 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 29 18:36:43 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2762	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	10386	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	7938	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	21525	0.40	ng	0.01
27) Chrysene-d12	21.38	240	28116	0.40	ng	0.01
34) Perylene-d12	23.89	264	30901	0.40	ng	0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	2211	0.29	ng	0.01
5) Phenol-d6	6.97	99	3302	0.33	ng	0.00
8) Nitrobenzene-d5	8.96	82	2958	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	5303	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1714	0.34	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	7816	0.26	ng	0.00
25) Fluoranthene-d10	19.23	212	69332	0.24	ng	0.01
29) Terphenyl-d14	19.82	244	15485	0.30	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	4607	0.041	ng	# 94
12) 2-Methylnaphthalene	12.28	142	867	0.044	ng	# 85
16) Acenaphthylene	14.18	152	13554	0.349	ng	# 86
17) Acenaphthene	14.53	154	2300	0.104	ng	# 83
23) Phenanthrene	17.24	178	131106	2.360	ng	97
24) Anthracene	17.32	178	18439	0.348	ng	96
26) Fluoranthene	19.26	202	342489	4.117	ng	# 86
28) Pyrene	19.62	202	408604	5.575	ng	# 96
30) Benzo(a)anthracene	21.35	228	235021	2.624	ng	# 90
31) Chrysene	21.41	228	277813	3.169	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.27	149	53449	0.351	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.56	276	131033	1.265	ng	# 95
35) Benzo(b)fluoranthene	23.12	252	302362	3.393	ng	# 83
36) Benzo(k)fluoranthene	23.16	252	101189m	1.178	ng	
37) Benzo(a)pyrene	23.78	252	200516	2.380	ng	# 90
38) Dibenzo(a,h)anthracene	26.57	278	32611	0.378	ng	# 43
39) Benzo(g,h,i)perylene	27.39	276	136829	1.585	ng	# 89

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

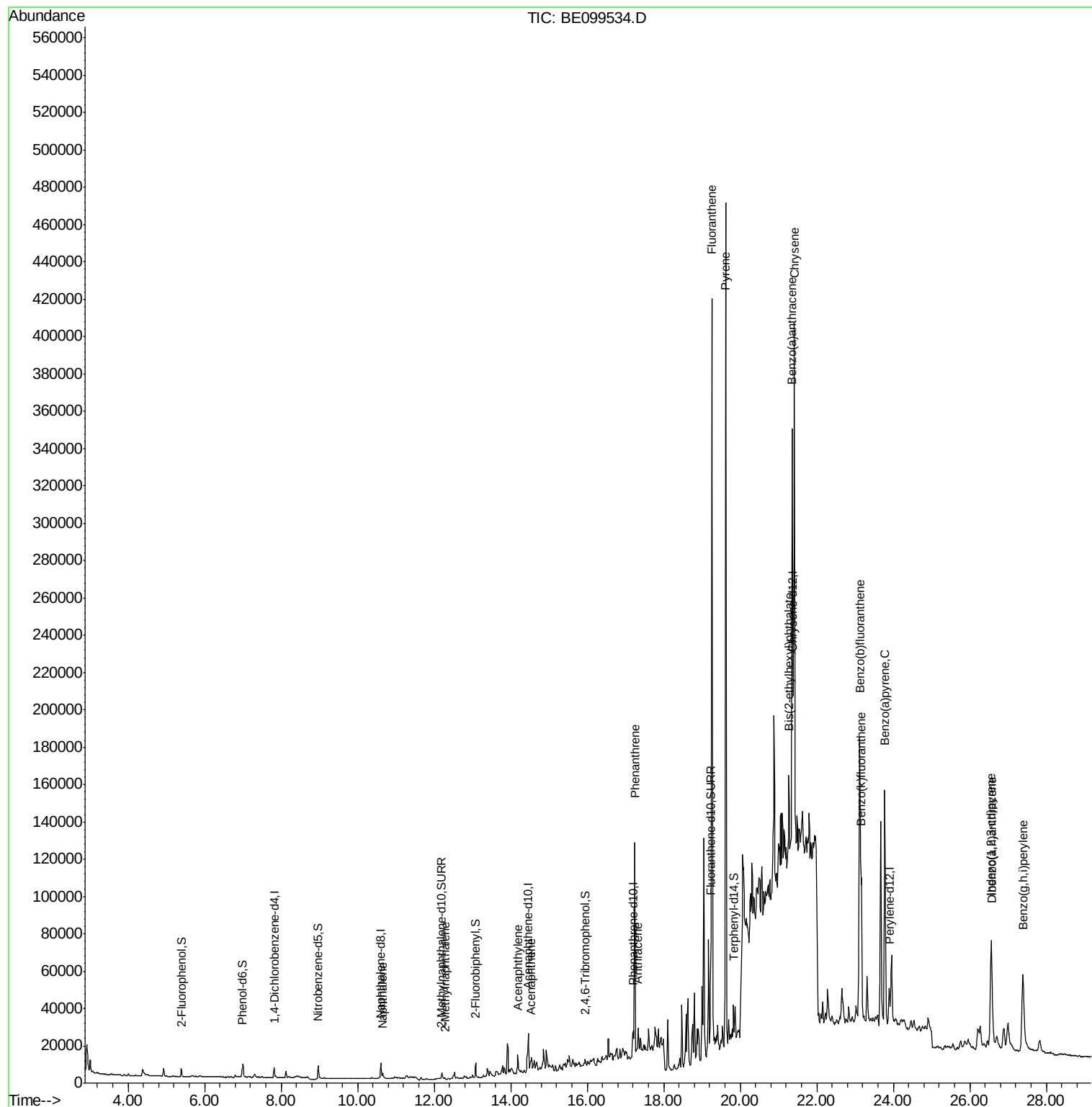
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
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ALS Vial : 7 Sample Multiplier: 1

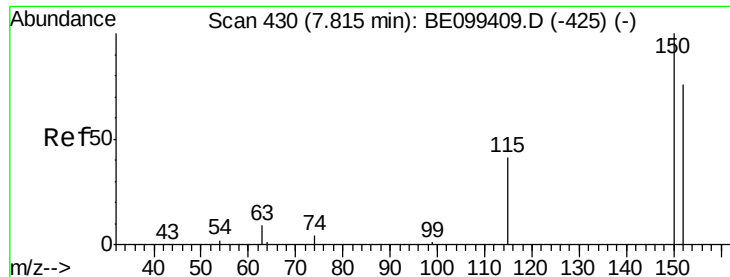
Instrument :
BNA_E
ClientSampleId :
PST-003-B178-042319

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Quant Time: May 04 01:51:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
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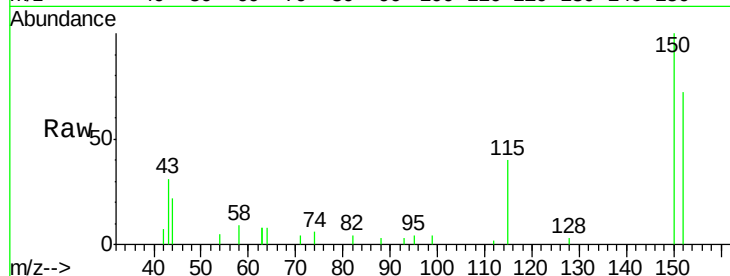




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099534.D
Acq: 3 May 2019 17:43

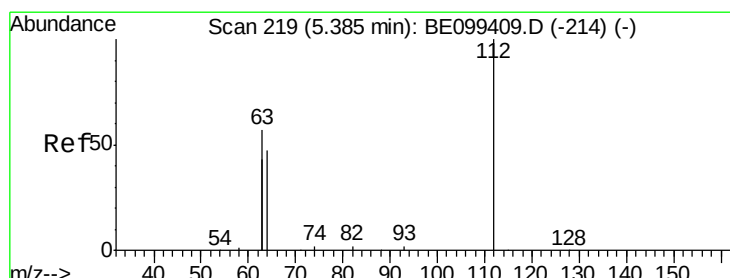
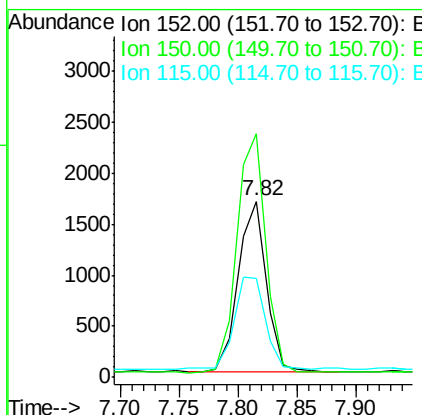
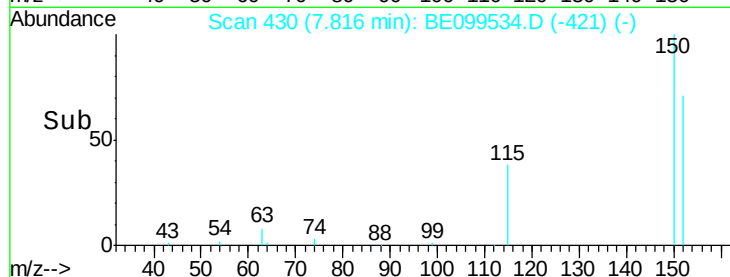
Instrument :
BNA_E
ClientSampleId :
PST-003-B178-042319



Tgt Ion	Ratio	Lower	Upper
152	100		
150	138.2	104.8	157.2
115	55.9	46.6	69.8

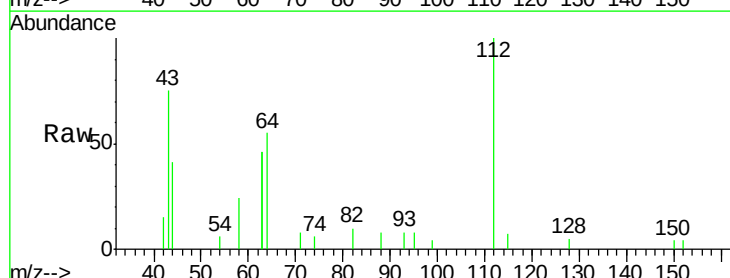
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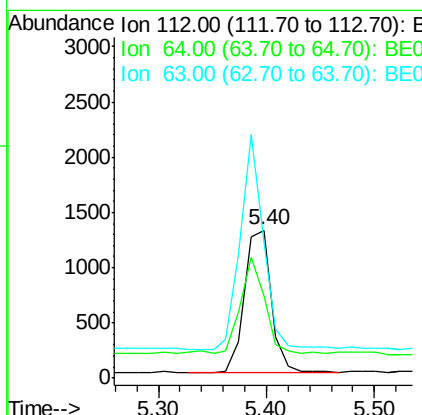
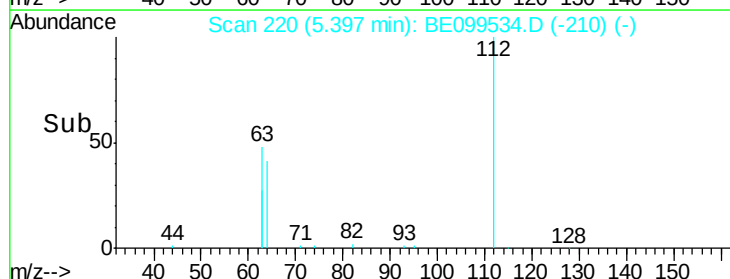


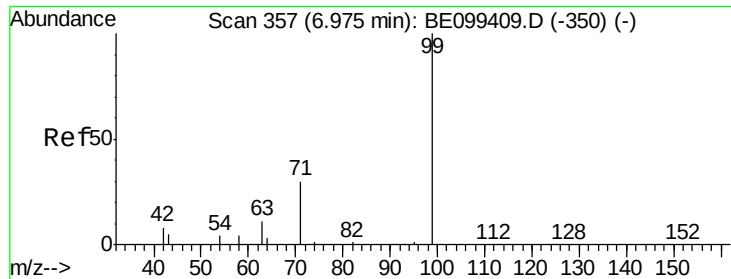
#4

2-Fluorophenol
Concen: 0.290 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE099534.D
Acq: 3 May 2019 17:43



Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.4	71.0
63	132.3	104.3	156.5





#5

Phenol-d6

Concen: 0.325 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099534.D

Acq: 3 May 2019 17:43

Instrument :

BNA_E

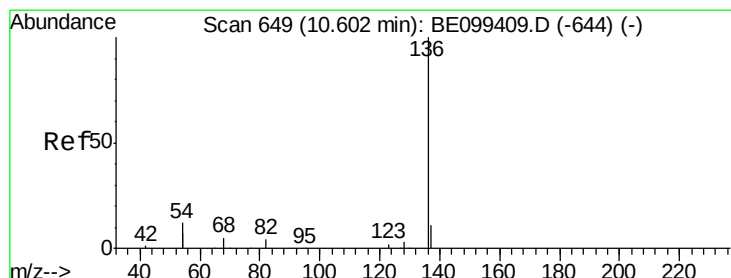
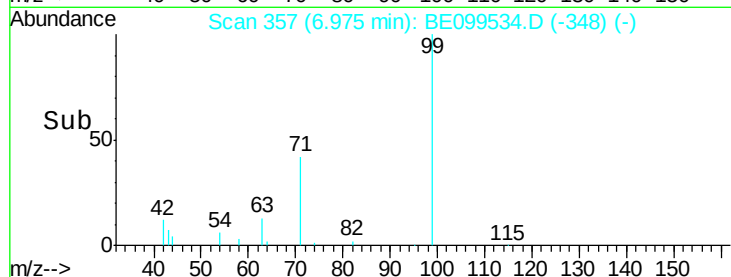
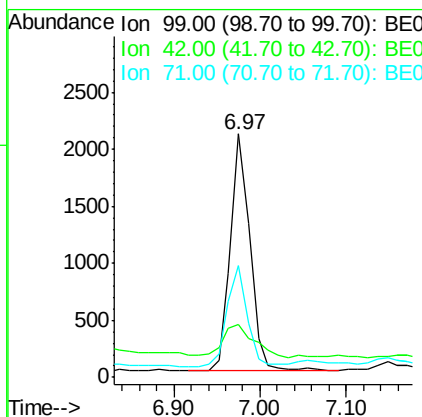
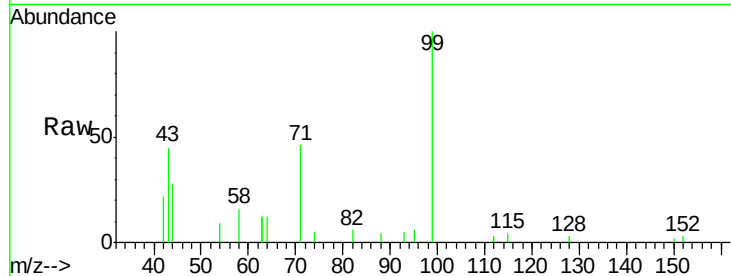
ClientSampleId :

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Tgt Ion:	99	Resp:	3302
Ion	Ratio	Lower	Upper
99	100		
42	22.1	14.9	22.3
71	43.1	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

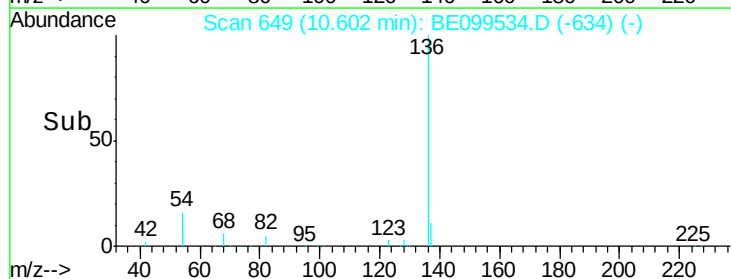
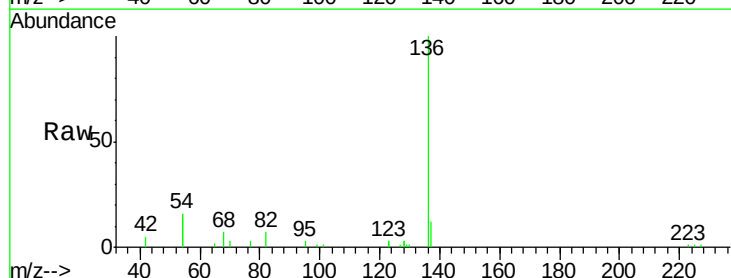
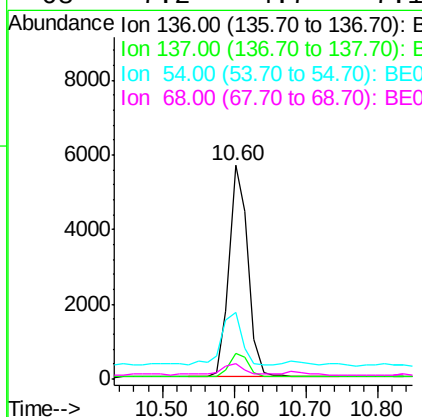
RT: 10.60 min Scan# 649

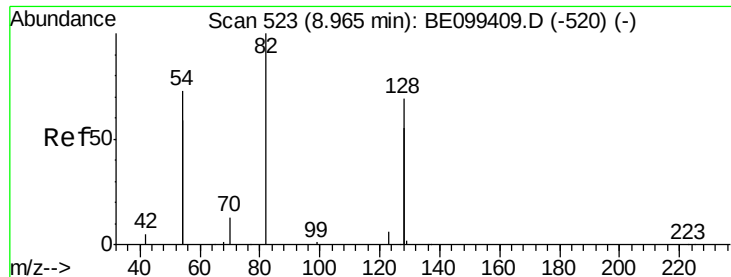
Delta R.T. -0.00 min

Lab File: BE099534.D

Acq: 3 May 2019 17:43

Tgt Ion:	136	Resp:	10386
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.8	14.8
54	31.1	18.5	27.7#
68	7.2	4.7	7.1#





#8

Nitrobenzene-d5

Concen: 0.304 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099534.D

Acq: 3 May 2019 17:43

Instrument :

BNA_E

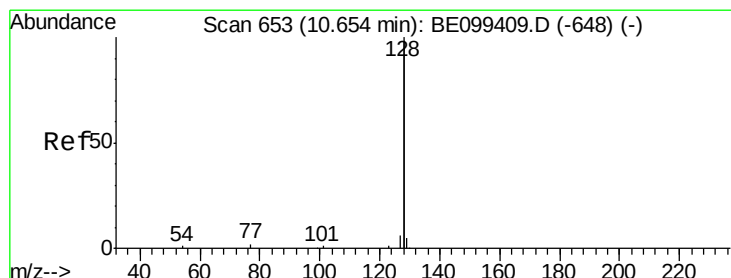
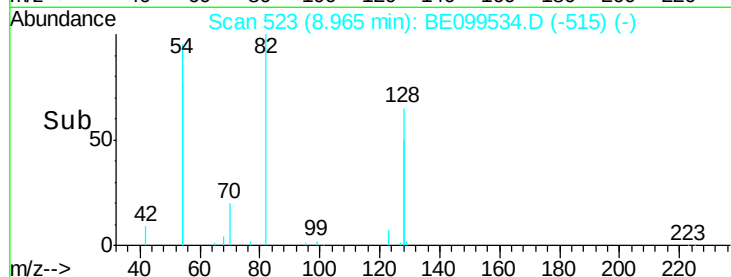
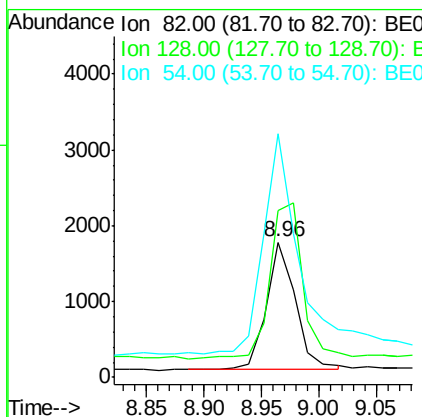
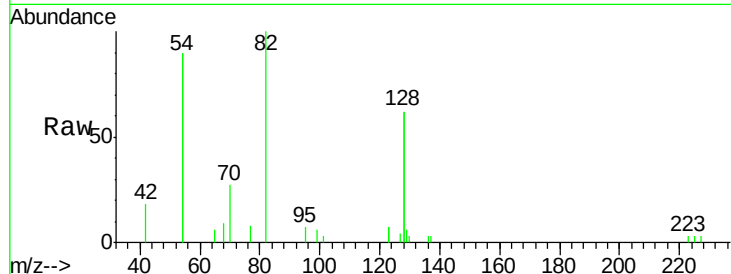
ClientSampleId :

PST-003-B178-042319

Tgt Ion:	82	Resp:	2958
Ion Ratio	Lower	Upper	
82	100		
128	123.2	107.0	160.4
54	180.0	113.1	169.7#

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#9

Naphthalene

Concen: 0.041 ng

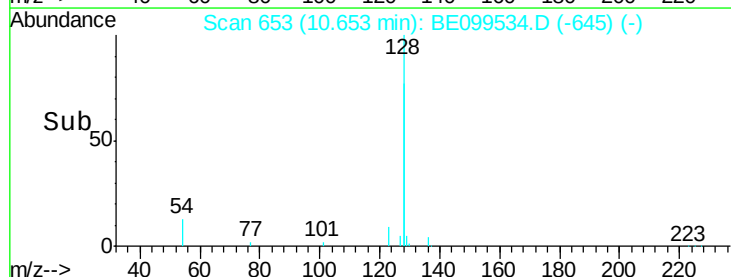
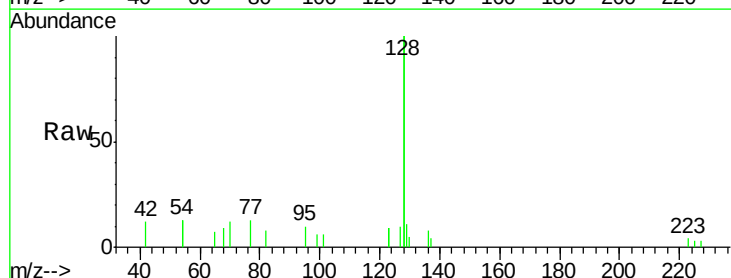
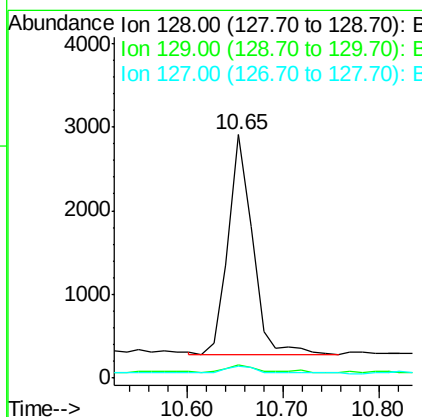
RT: 10.65 min Scan# 653

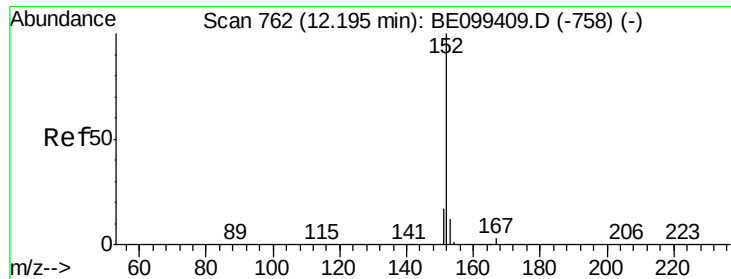
Delta R.T. -0.00 min

Lab File: BE099534.D

Acq: 3 May 2019 17:43

Tgt Ion:	128	Resp:	4607
Ion Ratio	Lower	Upper	
128	100		
129	5.3	2.4	3.6#
127	5.1	2.8	4.2#





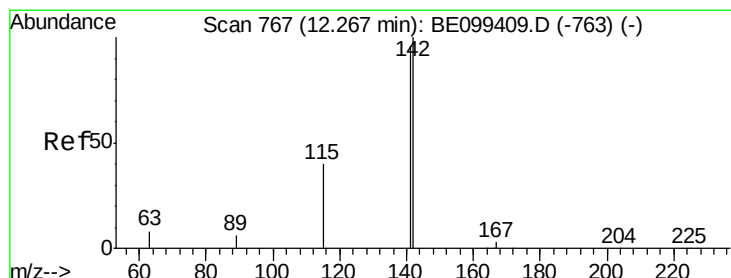
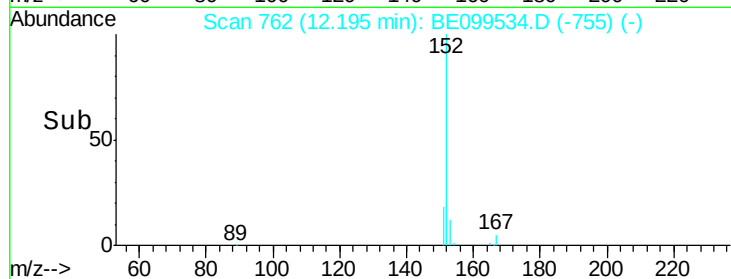
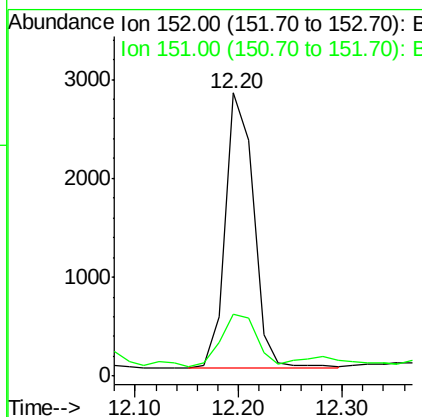
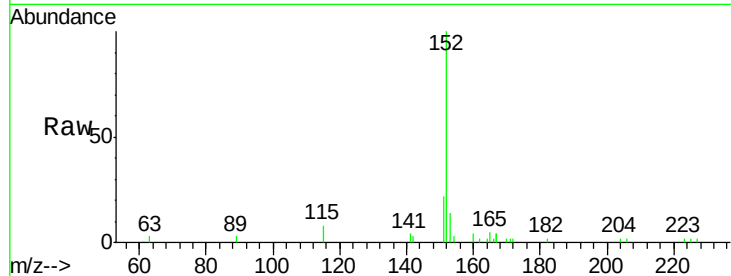
#11
 2-Methylnaphthalene-d10
 Concen: 0.283 ng
 RT: 12.20 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099534.D
 Acq: 3 May 2019 17:43

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B178-042319

Tgt Ion:152 Resp: 5303
 Ion Ratio Lower Upper
 152 100
 151 25.0 15.5 23.3#

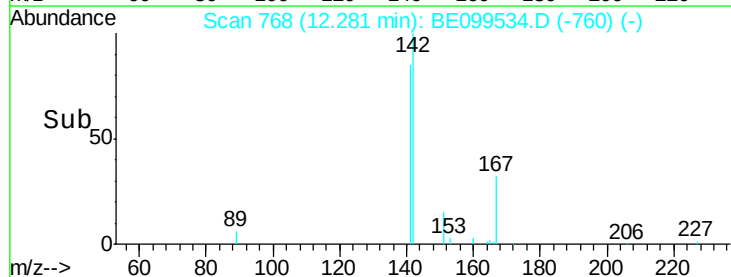
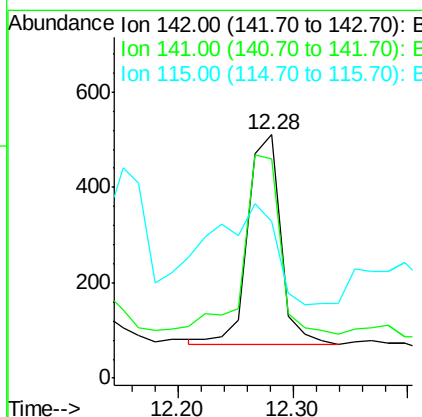
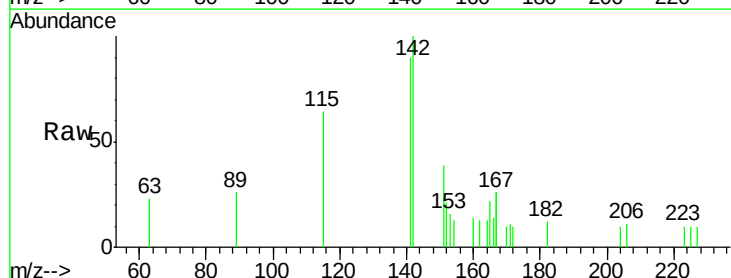
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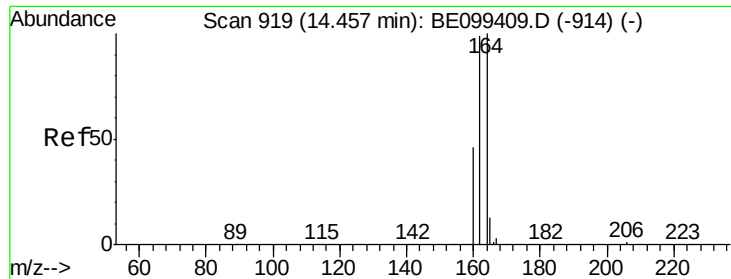
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#12
 2-Methylnaphthalene
 Concen: 0.044 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099534.D
 Acq: 3 May 2019 17:43

Tgt Ion:142 Resp: 867
 Ion Ratio Lower Upper
 142 100
 141 90.2 77.0 115.4
 115 64.4 33.4 50.0#





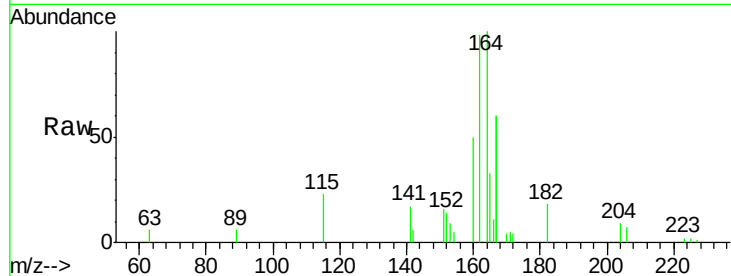
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099534.D
Acq: 3 May 2019 17:43

Instrument :
BNA_E
ClientSampleId :
PST-003-B178-042319

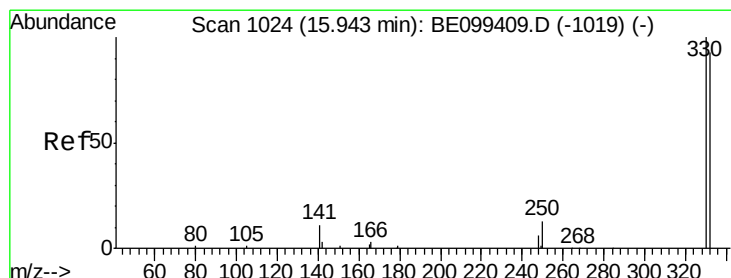
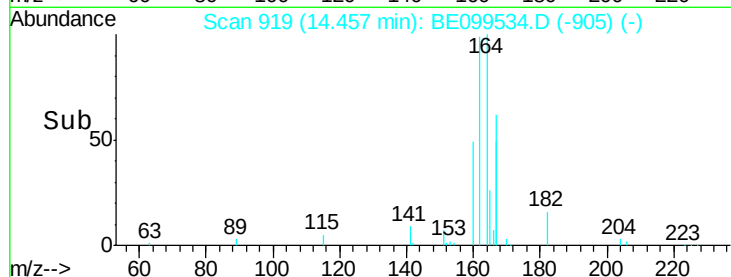
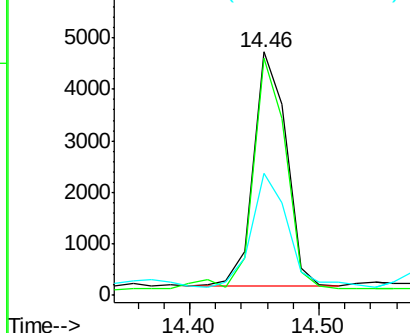
Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.6	79.0	118.4
160	50.3	37.0	55.4

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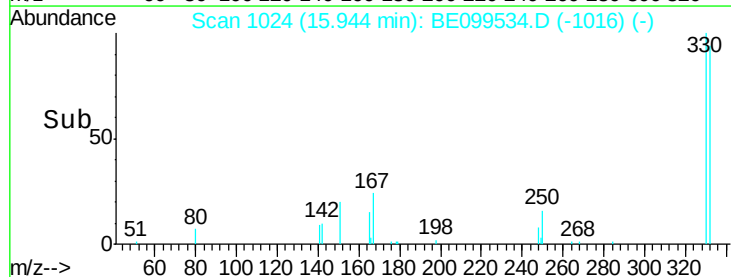
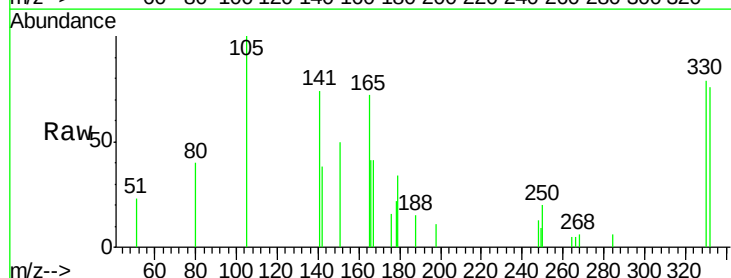
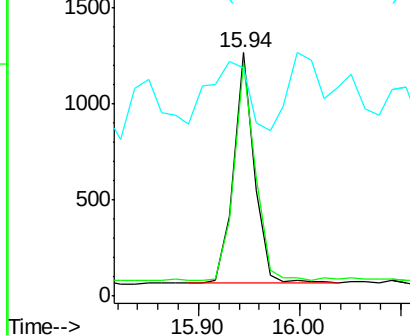
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

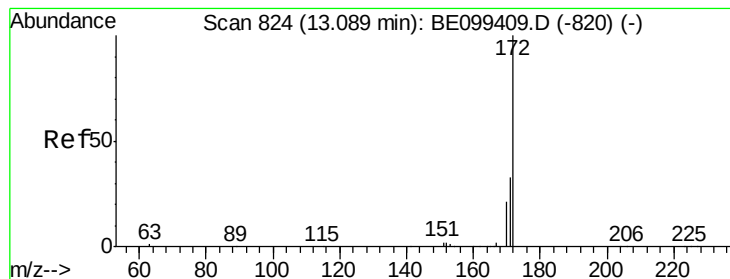


#14
2,4,6-Tribromophenol
Concen: 0.343 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099534.D
Acq: 3 May 2019 17:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.2	71.5	107.3
141	56.1	24.0	36.0#

Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





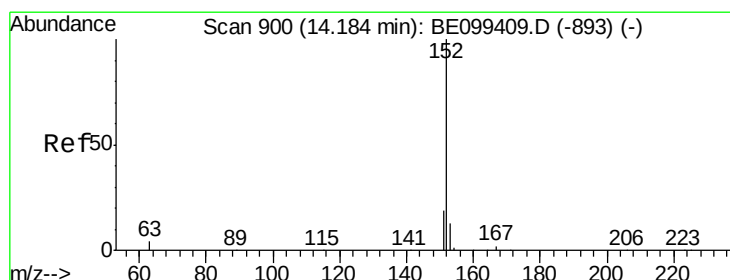
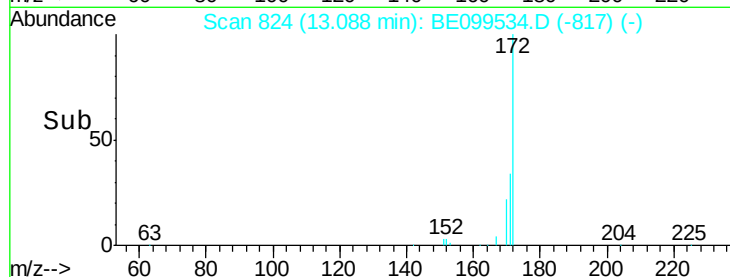
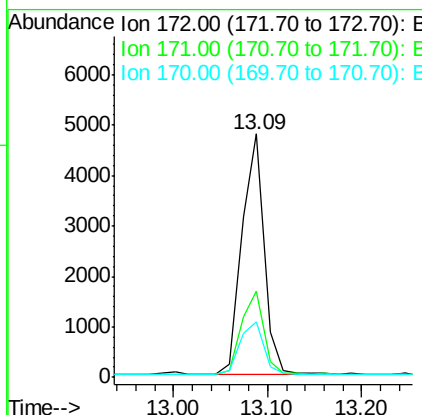
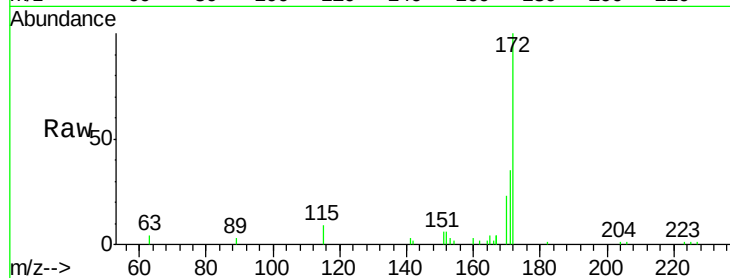
#15
2-Fluorobiphenyl
Concen: 0.258 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099534.D
Acq: 3 May 2019 17:43

Instrument :
BNA_E
ClientSampleId :
PST-003-B178-042319

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	26.6	39.8
170	22.6	17.0	25.6

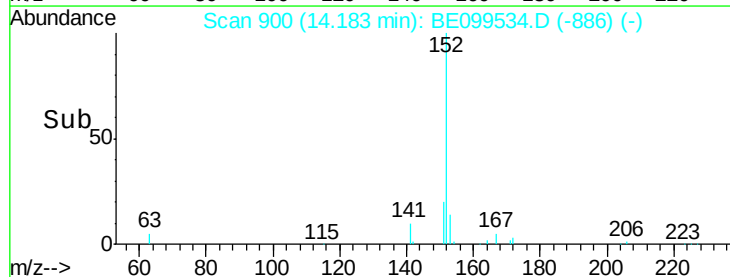
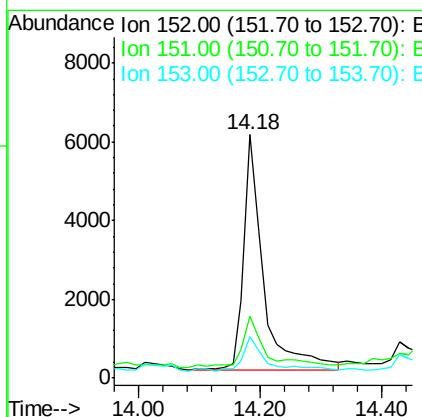
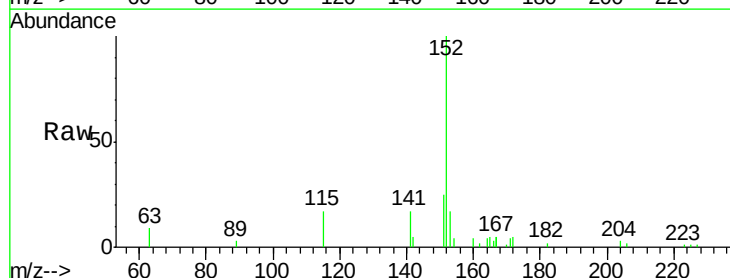
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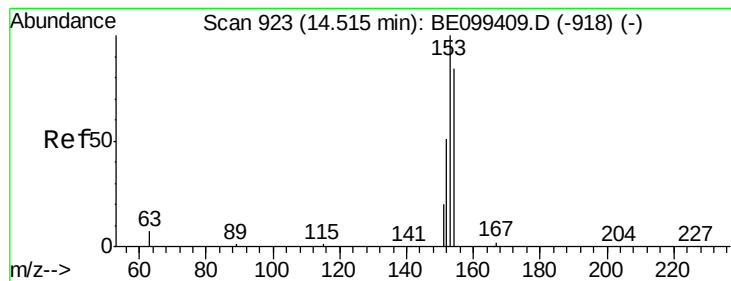
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#16
Acenaphthylene
Concen: 0.349 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099534.D
Acq: 3 May 2019 17:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.5	15.4	23.2#
153	16.7	9.8	14.6#





#17

Acenaphthene

Concen: 0.104 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: BE099534.D

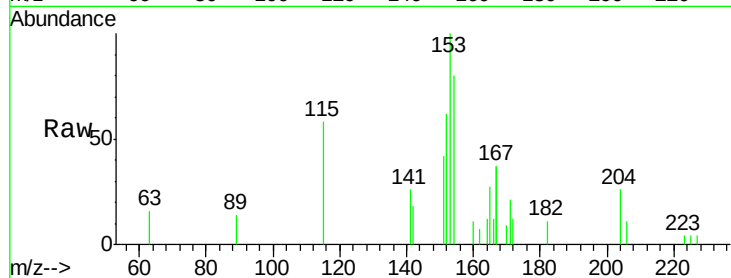
Acq: 3 May 2019 17:43

Instrument :

BNA_E

ClientSampleId :

PST-003-B178-042319



Tgt Ion:154 Resp: 2300

Ion Ratio Lower Upper

154 100

153 129.6 92.6 138.8

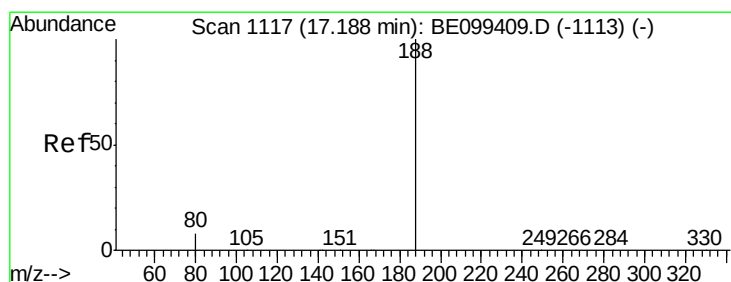
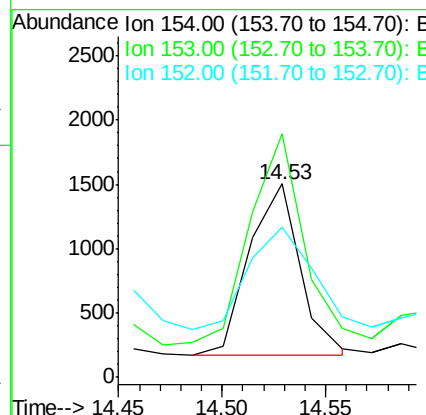
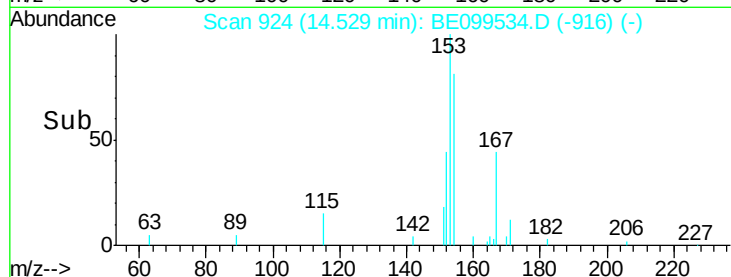
152 76.0 45.8 68.8#

Manual Integrations

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#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BE099534.D

Acq: 3 May 2019 17:43

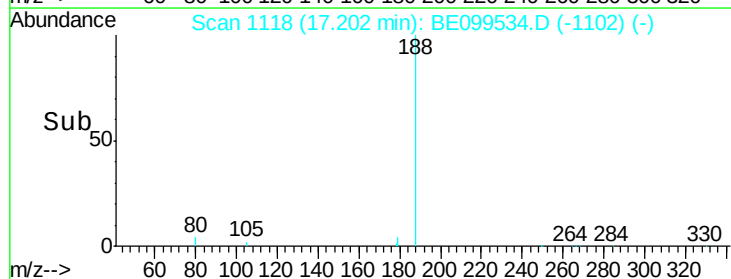
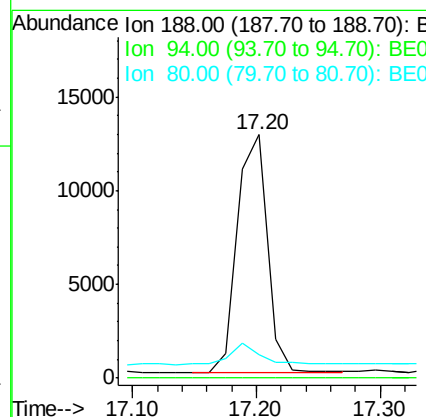
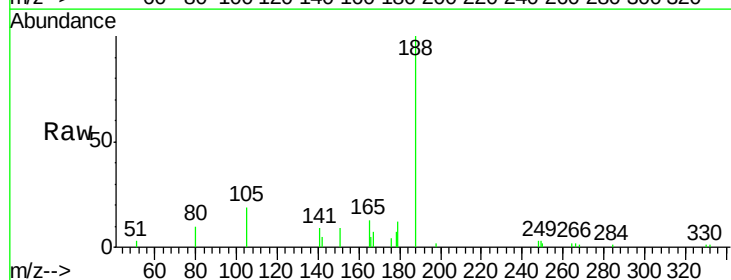
Tgt Ion:188 Resp: 21525

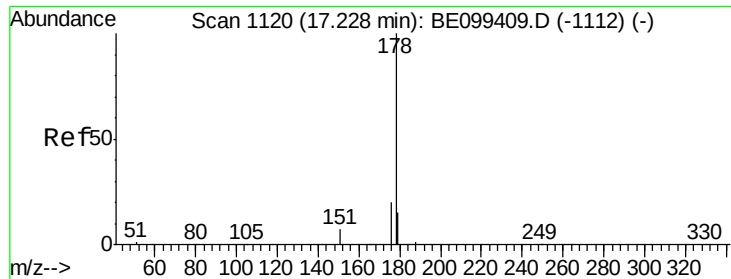
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.9 6.7 10.1





#23

Phenanthrene

Concen: 2.360 ng

RT: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE099534.D

Acq: 3 May 2019 17:43

Instrument :

BNA_E

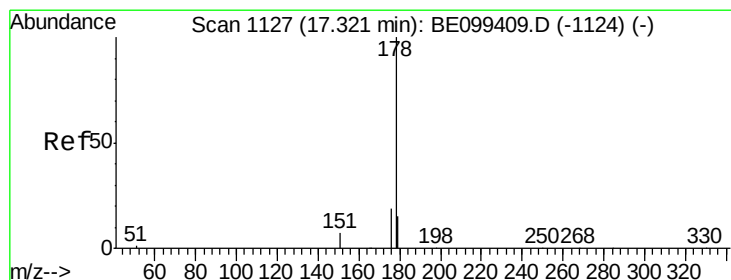
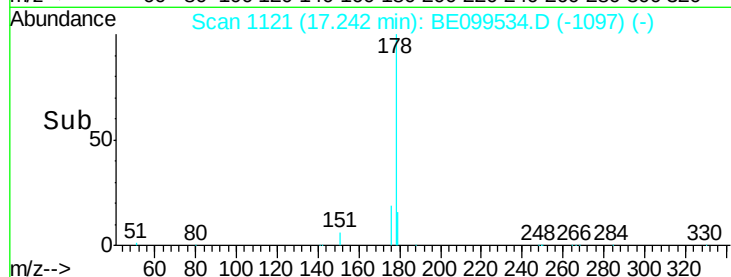
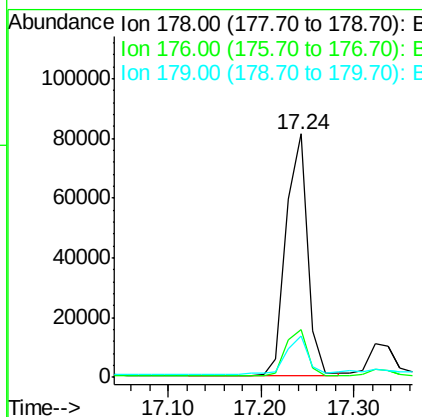
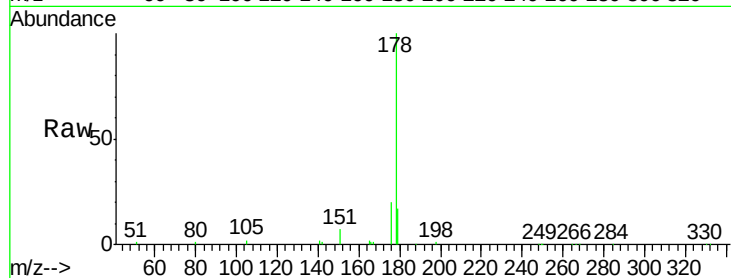
ClientSampleId :

PST-003-B178-042319

Tgt Ion:	178	Resp:	131106
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.6	23.4
179	17.7	12.0	18.0

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#24

Anthracene

Concen: 0.348 ng

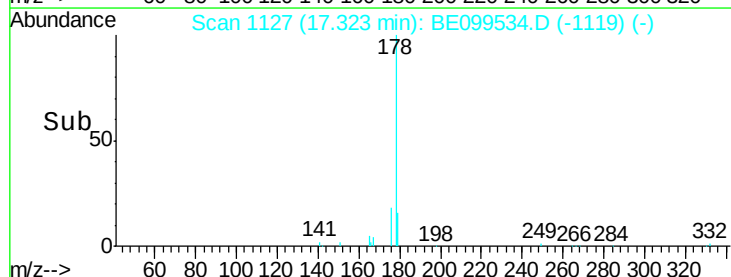
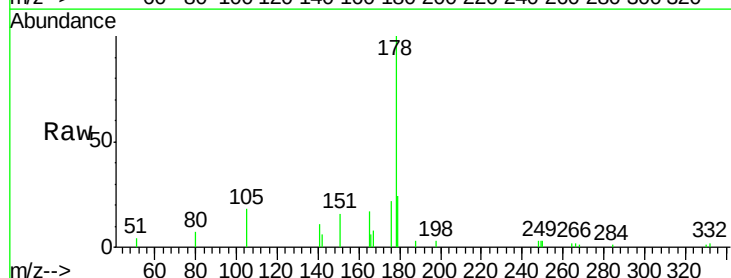
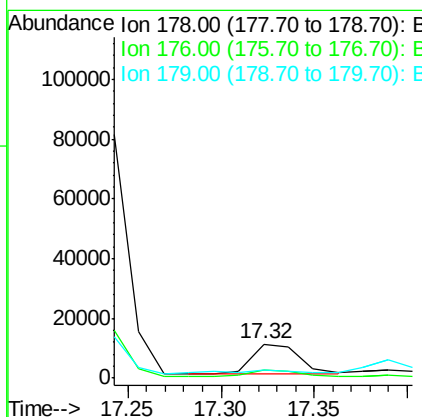
RT: 17.32 min Scan# 1127

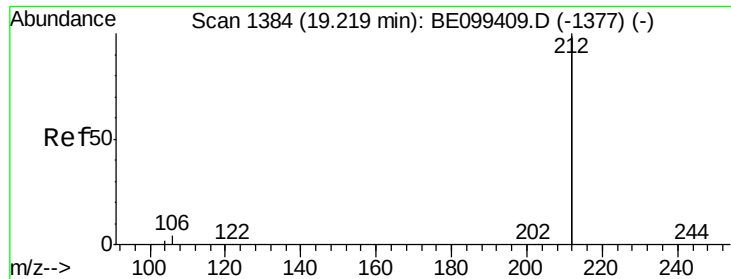
Delta R.T. 0.00 min

Lab File: BE099534.D

Acq: 3 May 2019 17:43

Tgt Ion:	178	Resp:	18439
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.9	22.3
179	12.2	11.9	17.9





#25

Fluoranthene-d10

Concen: 0.239 ng

RT: 19.23 min Scan# 1386

Delta R.T. 0.01 min

Lab File: BE099534.D

Acq: 3 May 2019 17:43

Instrument :

BNA_E

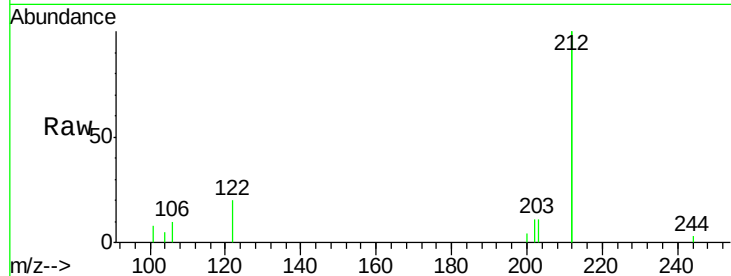
ClientSampleId :

PST-003-B178-042319

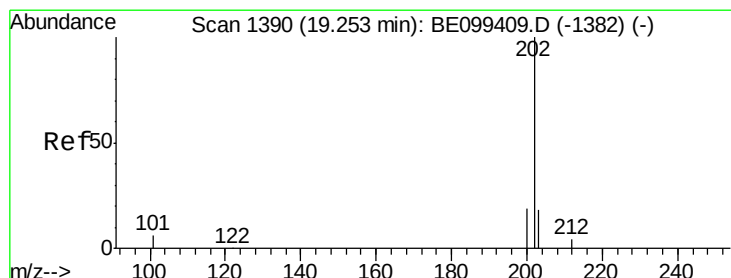
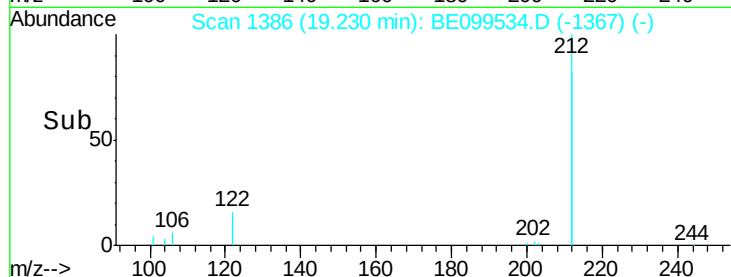
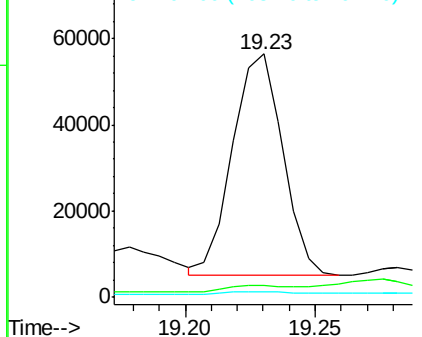
Tgt Ion	Ratio	Resp	Lower	Upper
212	100	69332		
106	4.1	1.5	2.3#	
104	1.8	0.9	1.3#	

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 4.117 ng

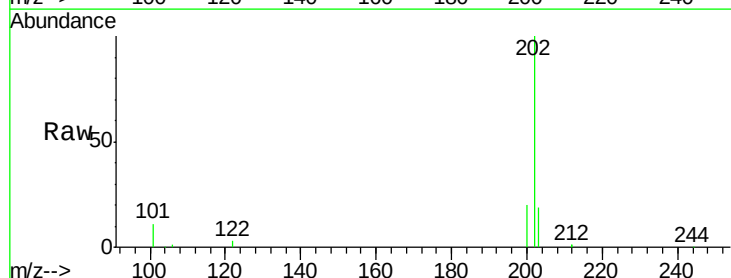
RT: 19.26 min Scan# 1391

Delta R.T. 0.01 min

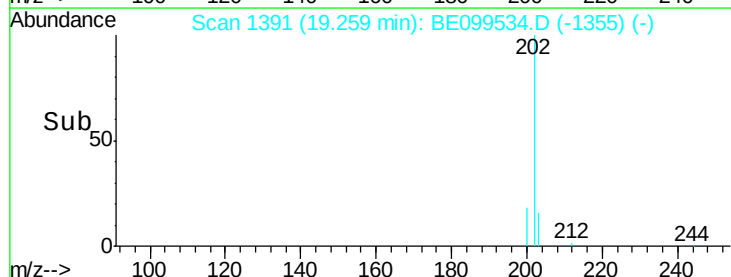
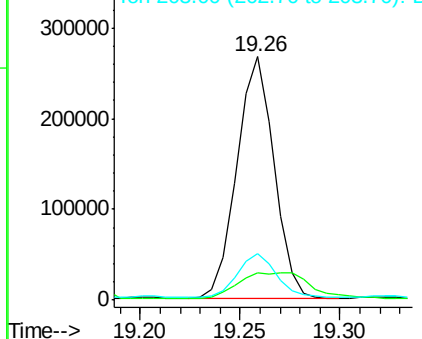
Lab File: BE099534.D

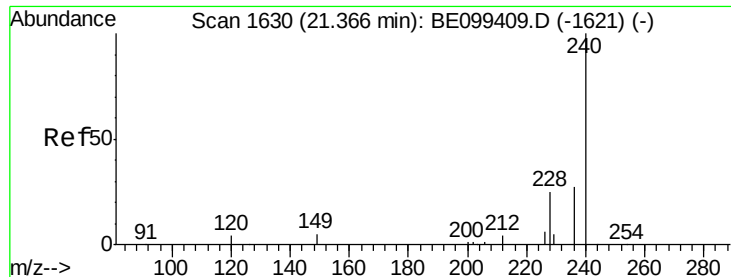
Acq: 3 May 2019 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	342489		
101	22.2	5.4	8.0#	
203	18.5	13.9	20.9	



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





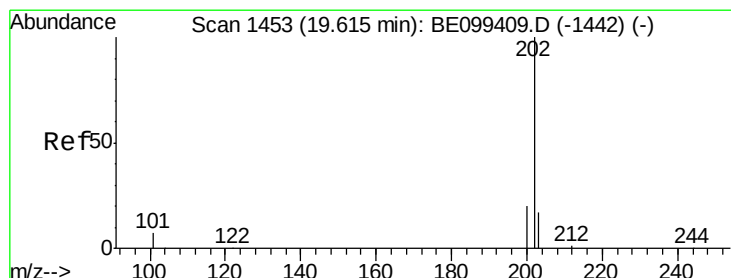
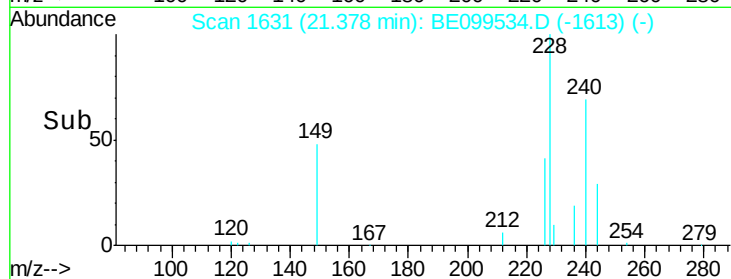
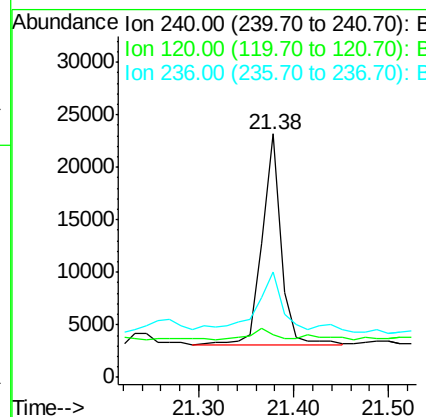
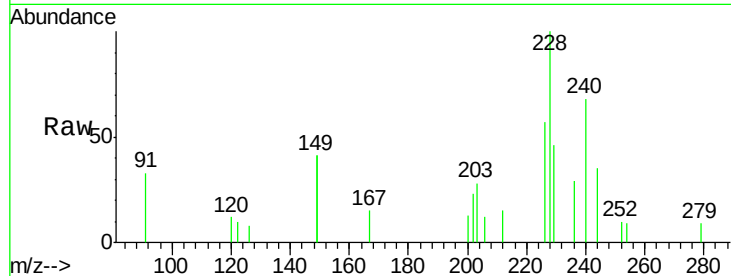
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.38 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: BE099534.D
 Acq: 3 May 2019 17:43

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B178-042319

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	28116		
120	17.3	4.0	6.0#	
236	43.1	22.0	33.0#	

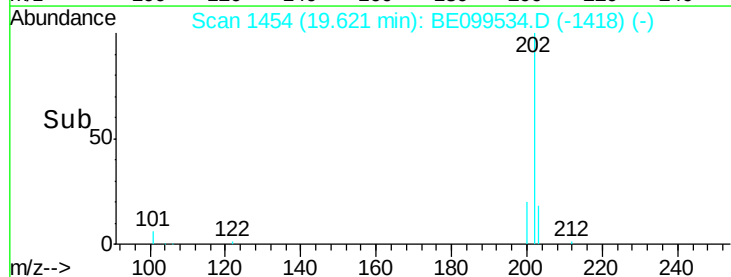
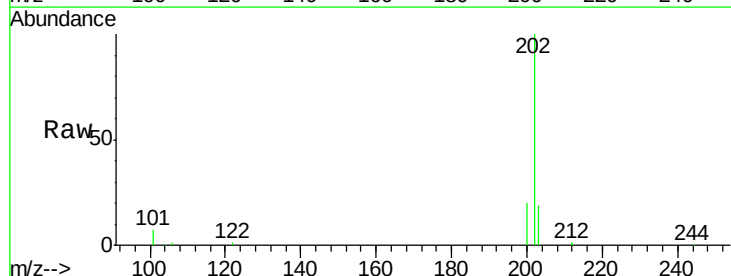
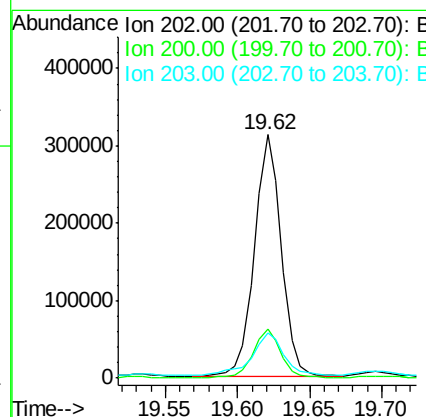
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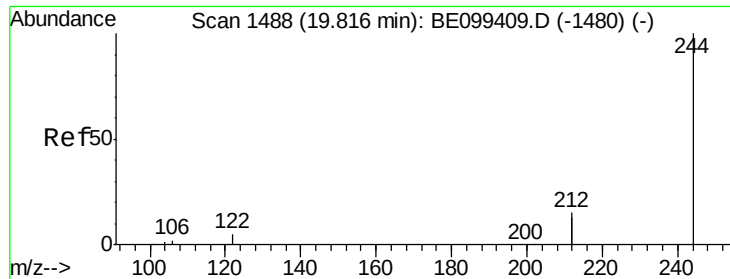
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#28
 Pyrene
 Concen: 5.575 ng
 RT: 19.62 min Scan# 1454
 Delta R.T. 0.01 min
 Lab File: BE099534.D
 Acq: 3 May 2019 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	408604		
200	19.9	15.7	23.5	
203	20.9	13.9	20.9#	





#29

Terphenyl-d14

Concen: 0.301 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BE099534.D

Acq: 3 May 2019 17:43

Instrument :

BNA_E

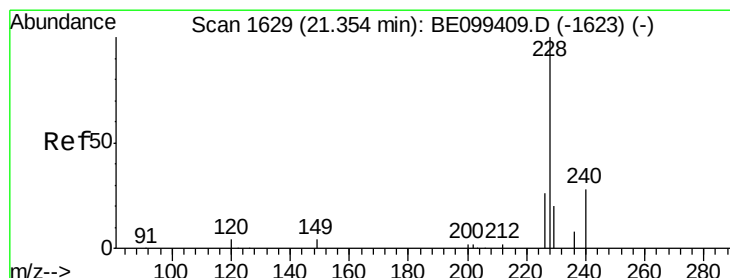
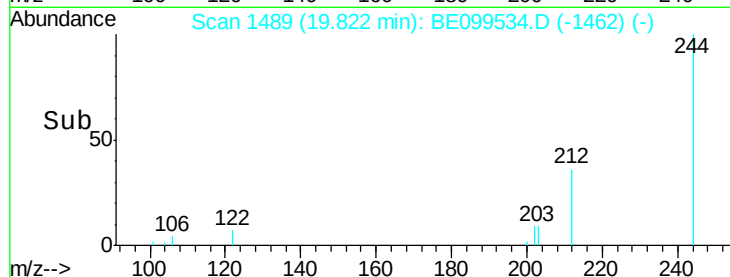
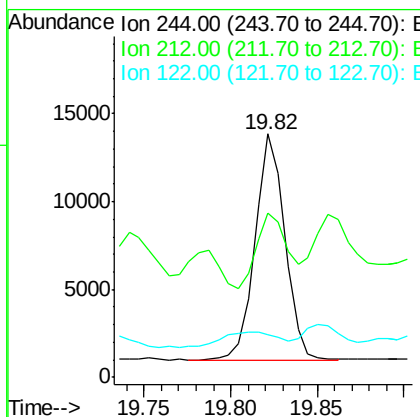
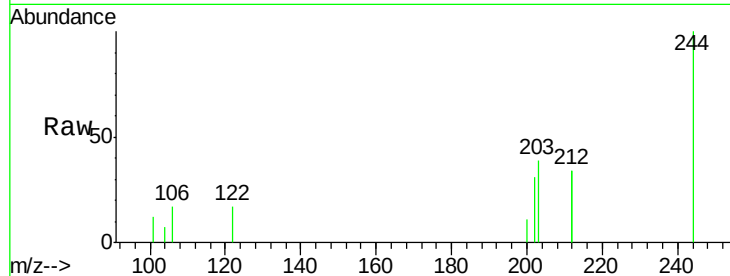
ClientSampleId :

PST-003-B178-042319

Tgt Ion:	244	Resp:	15485
Ion Ratio	Lower	Upper	
244	100		
212	67.6	23.2	34.8#
122	17.4	4.2	6.4#

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#30

Benzo(a)anthracene

Concen: 2.624 ng

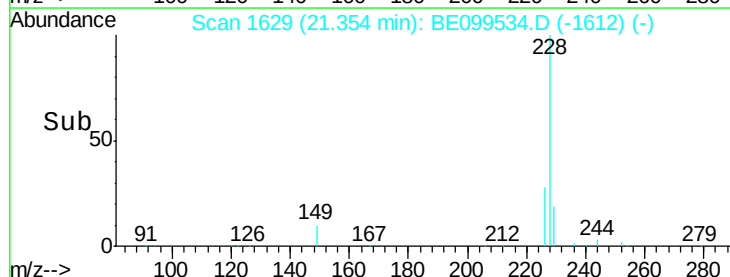
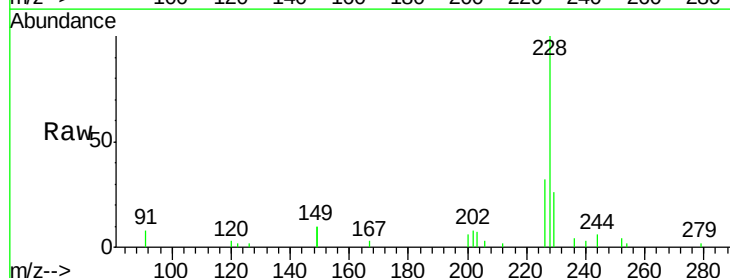
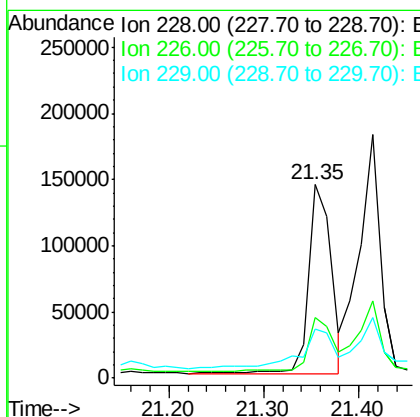
RT: 21.35 min Scan# 1629

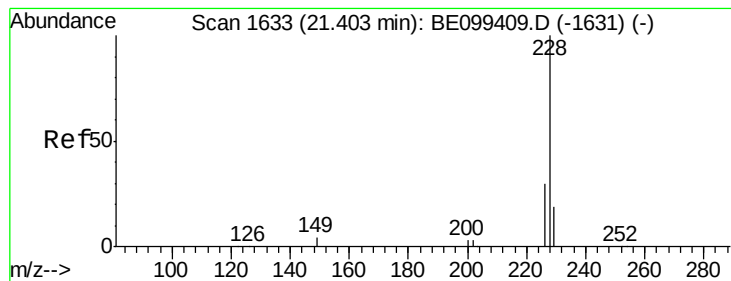
Delta R.T. -0.00 min

Lab File: BE099534.D

Acq: 3 May 2019 17:43

Tgt Ion:	228	Resp:	235021
Ion Ratio	Lower	Upper	
228	100		
226	31.6	21.0	31.6#
229	25.5	16.6	25.0#





#31

Chrysene

Concen: 3.169 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.01 min

Lab File: BE099534.D

Acq: 3 May 2019 17:43

Instrument :

BNA_E

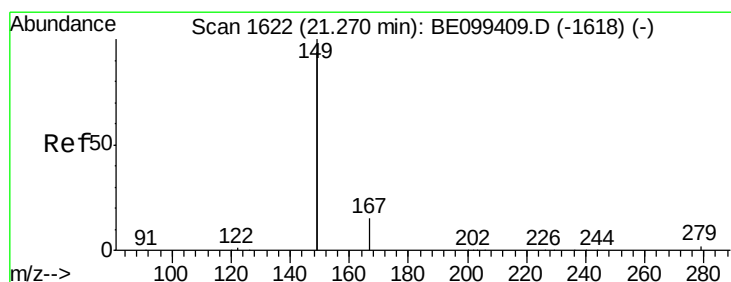
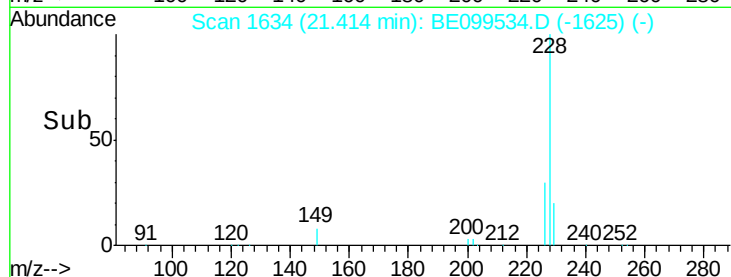
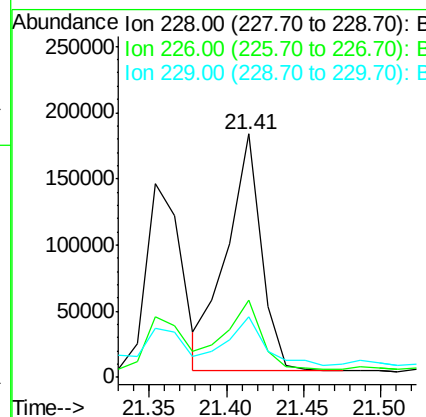
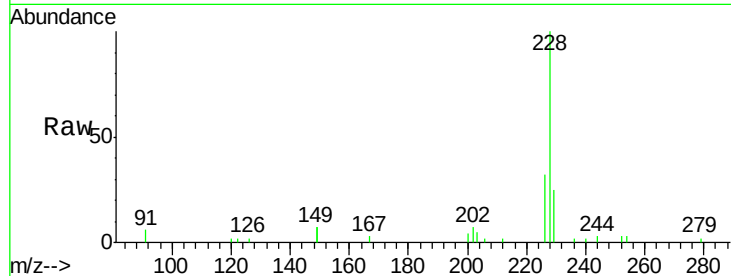
ClientSampleId :

PST-003-B178-042319

Tgt Ion:	228	Resp:	277813
Ion Ratio	Lower	Upper	
228	100		
226	31.9	24.0	36.0
229	25.1	15.8	23.8#

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.351 ng

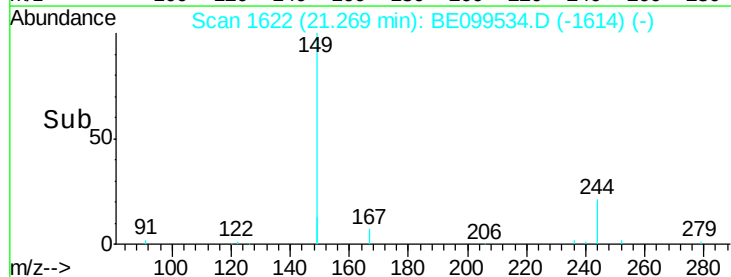
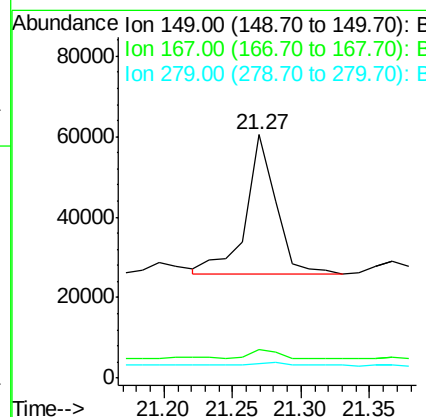
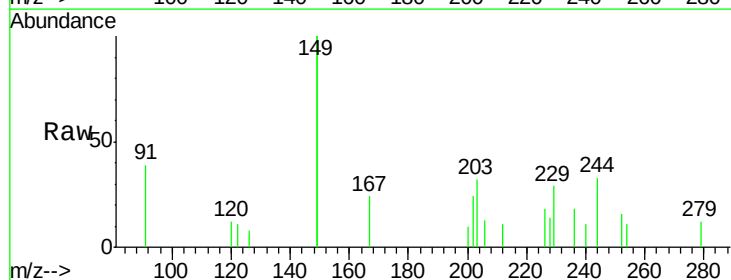
RT: 21.27 min Scan# 1622

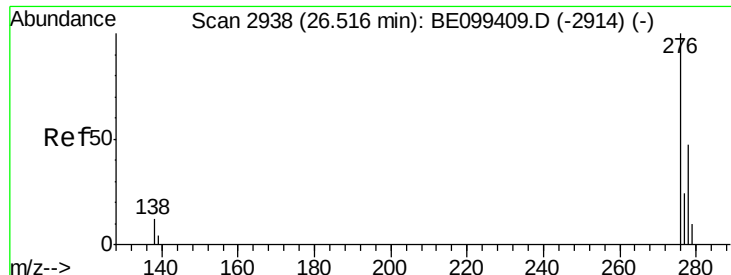
Delta R.T. 0.00 min

Lab File: BE099534.D

Acq: 3 May 2019 17:43

Tgt Ion:	149	Resp:	53449
Ion Ratio	Lower	Upper	
149	100		
167	6.3	5.8	8.6
279	3.6	1.0	1.6#





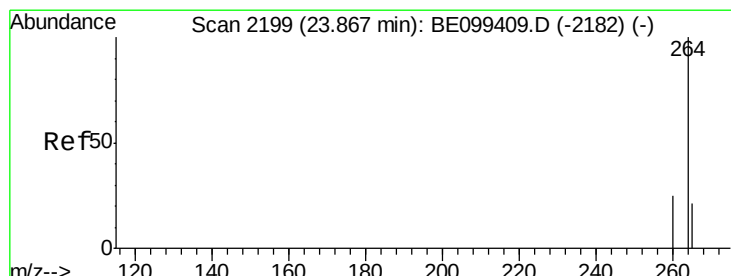
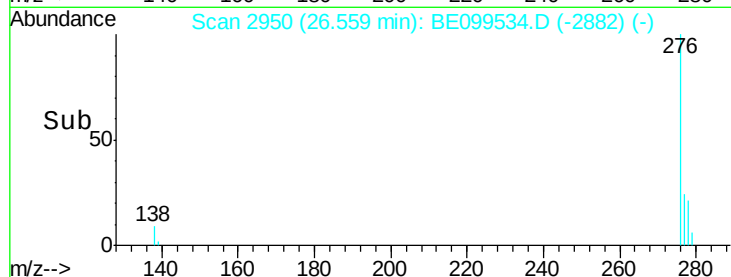
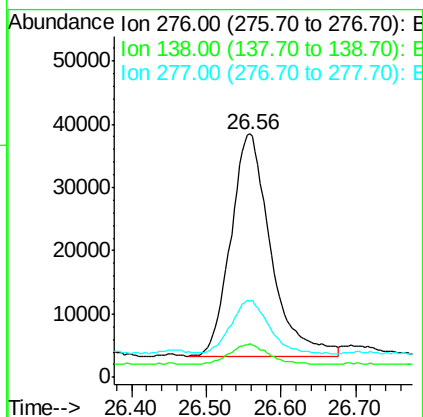
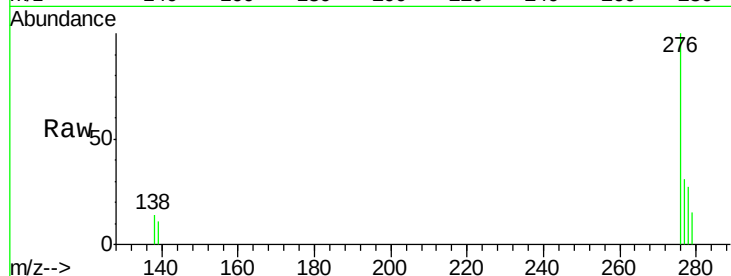
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.265 ng
 RT: 26.56 min Scan# 2950
 Delta R.T. 0.04 min
 Lab File: BE099534.D
 Acq: 3 May 2019 17:43

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B178-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	8.6	10.2	15.2#
277	23.2	19.2	28.8

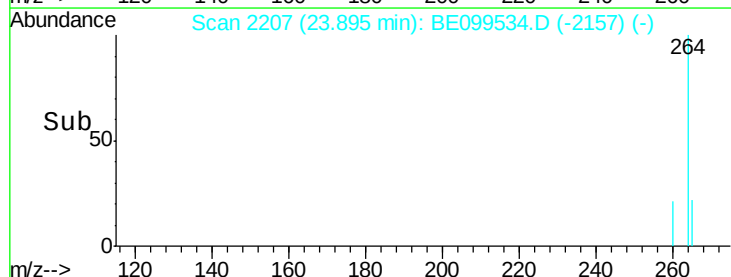
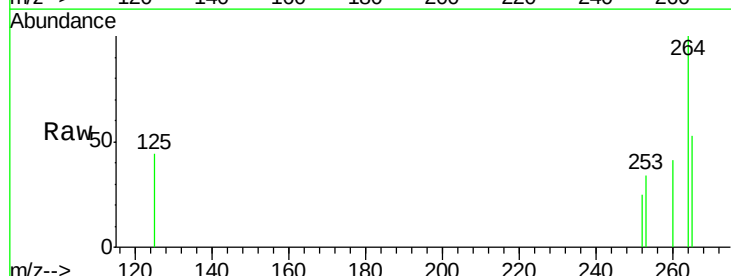
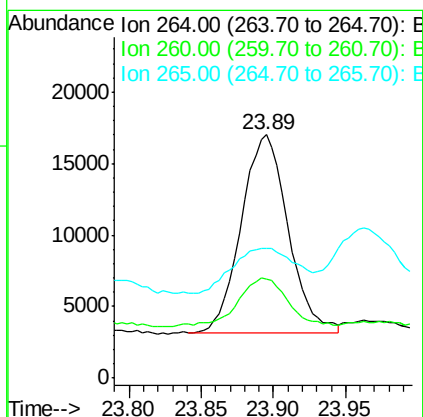
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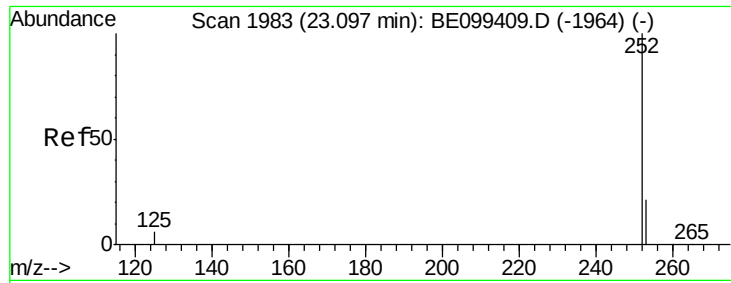
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2207
 Delta R.T. 0.03 min
 Lab File: BE099534.D
 Acq: 3 May 2019 17:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	40.6	20.2	30.2#
265	53.3	21.3	31.9#





#35

Benzo(b)fluoranthene

Concen: 3.393 ng

RT: 23.12 min Scan# 1990

Delta R.T. 0.02 min

Lab File: BE099534.D

Acq: 3 May 2019 17:43

Instrument :

BNA_E

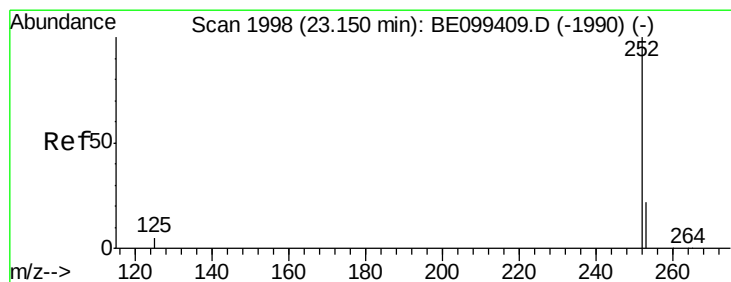
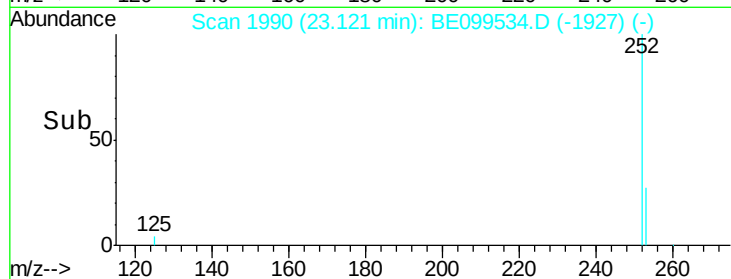
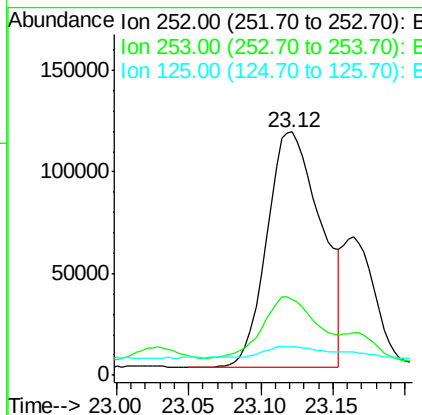
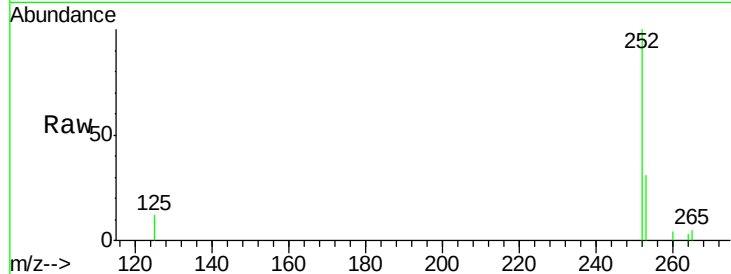
ClientSampleId :

PST-003-B178-042319

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	302362		
253	31.4	18.1	27.1#	
125	11.7	5.6	8.4#	

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#36

Benzo(k)fluoranthene

Concen: 1.178 ng m

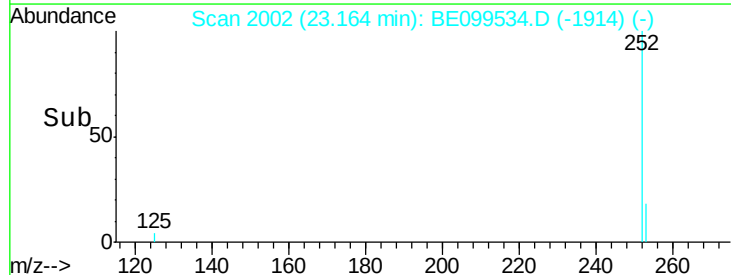
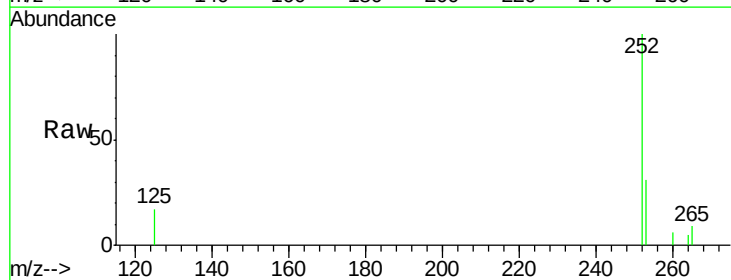
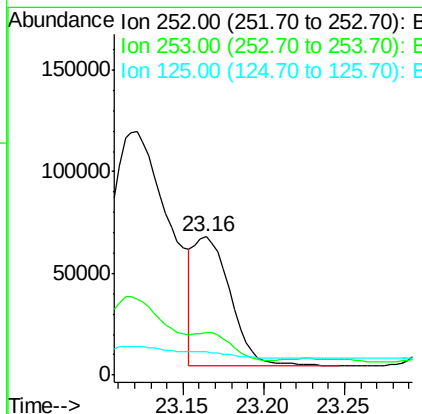
RT: 23.16 min Scan# 2002

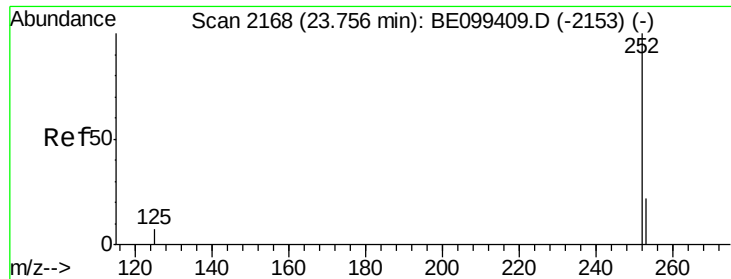
Delta R.T. 0.01 min

Lab File: BE099534.D

Acq: 3 May 2019 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	101189		
253	31.0	18.4	27.6#	
125	16.8	5.0	7.4#	





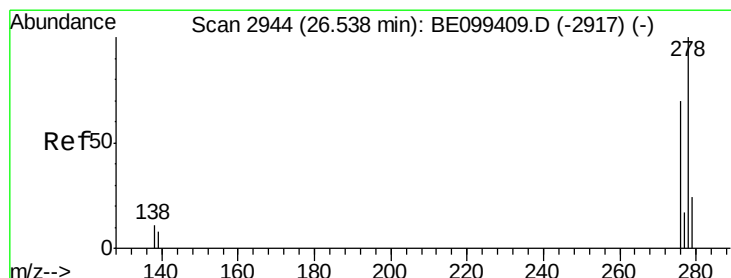
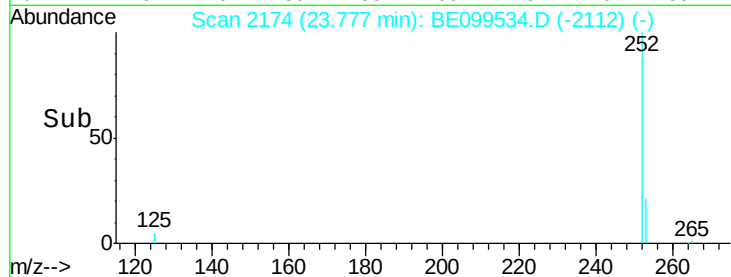
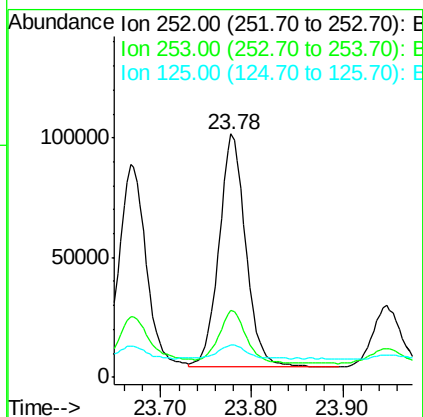
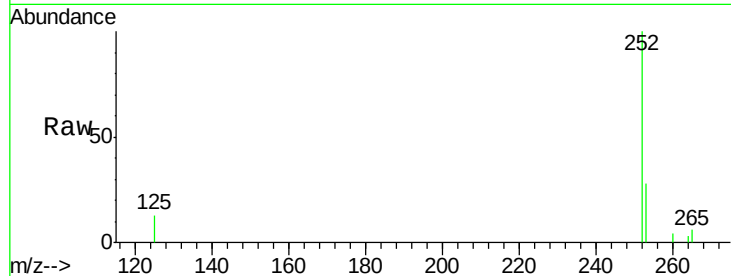
#37
Benzo(a)pyrene
Concen: 2.380 ng
RT: 23.78 min Scan# 2174
Delta R.T. 0.02 min
Lab File: BE099534.D
Acq: 3 May 2019 17:43

Instrument :
BNA_E
ClientSampleId :
PST-003-B178-042319

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	200516		
253	27.7	18.9	28.3	
125	13.3	6.7	10.1	

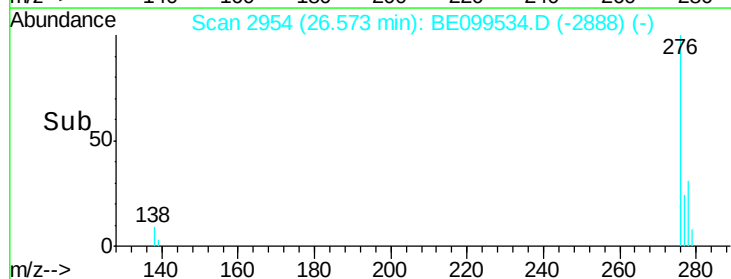
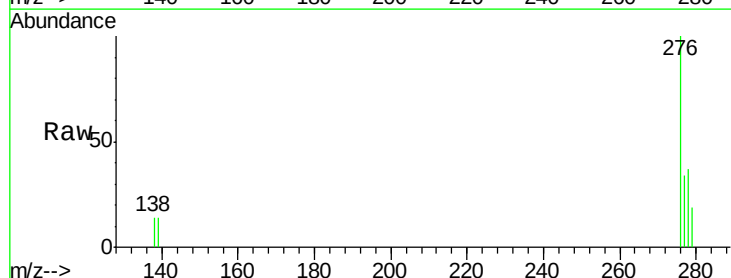
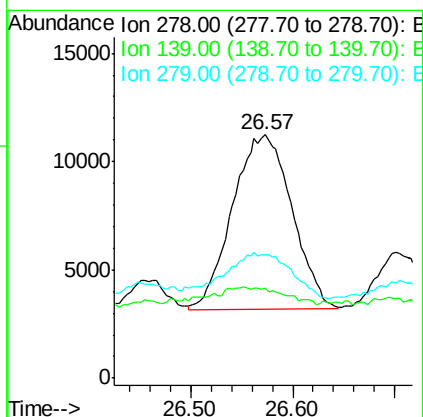
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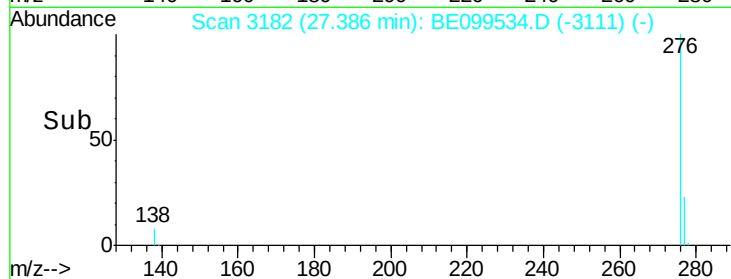
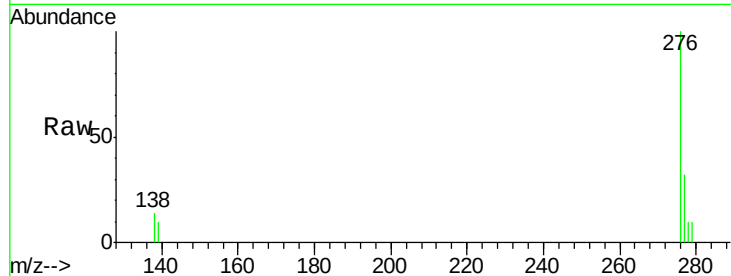
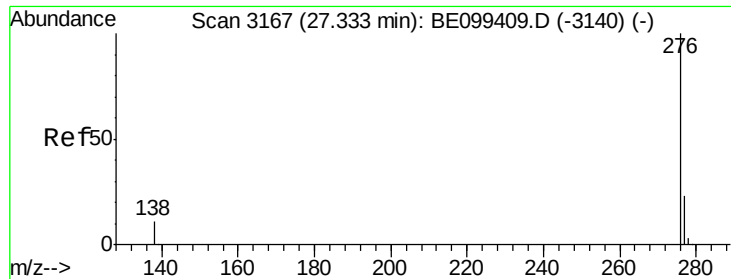
mohammad
5/7/2019 11:56:42 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.378 ng
RT: 26.57 min Scan# 2954
Delta R.T. 0.04 min
Lab File: BE099534.D
Acq: 3 May 2019 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	32611		
139	36.9	7.7	11.5	
279	50.5	20.2	30.2	





#39

Benzo(g,h,i)perylene

Concen: 1.585 ng

RT: 27.39 min Scan# 3182

Delta R.T. 0.05 min

Lab File: BE099534.D

Acq: 3 May 2019 17:43

Instrument :

BNA_E

ClientSampleId :

PST-003-B178-042319

Tgt Ion:	276	Resp:	136829
Ion Ratio	Lower	Upper	
276	100		
277	31.7	19.5	29.3#
138	13.6	9.6	14.4

Manual Integrations
APPROVED

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