

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099384.D
 Acq On : 26 Apr 2019 18:44
 Operator : JU/SJ
 Sample : K2569-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-SW025-042319

Manual Integrations
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Sohil
 4/29/2019 1:28:47 PM

Quant Time: Apr 27 06:49:21 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Apr 19 06:51:38 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3962	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	15600	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	11100	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	29854	0.40	ng	0.00
27) Chrysene-d12	21.37	240	32820	0.40	ng	0.00
34) Perylene-d12	23.87	264	38112	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	4303	0.44	ng	0.01
5) Phenol-d6	6.98	99	6788	0.49	ng	0.00
8) Nitrobenzene-d5	8.96	82	5471	0.45	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	9918	0.36	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2389	0.65	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	14877	0.34	ng	0.00
25) Fluoranthene-d10	19.22	212	117949	0.33	ng	0.00
29) Terphenyl-d14	19.82	244	25355	0.39	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	24315	0.143	ng	99
12) 2-Methylnaphthalene	12.28	142	9856	0.340	ng	96
16) Acenaphthylene	14.18	152	4806	0.096	ng	# 96
18) Fluorene	15.49	166	2380	0.054	ng	# 90
23) Phenanthrene	17.23	178	43643	0.552	ng	100
24) Anthracene	17.32	178	3886	0.055	ng	# 90
26) Fluoranthene	19.25	202	81363	0.769	ng	98
28) Pyrene	19.61	202	69306	0.717	ng	98
30) Benzo(a)anthracene	21.35	228	29676m	0.308	ng	
31) Chrysene	21.40	228	53765	0.524	ng	95
32) Bis(2-ethylhexyl)phthalate	21.27	149	11269	0.128	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.52	276	25592	0.252	ng	# 91
35) Benzo(b)fluoranthene	23.10	252	69199	0.593	ng	94
36) Benzo(k)fluoranthene	23.14	252	22141m	0.190	ng	
37) Benzo(a)pyrene	23.76	252	35511	0.340	ng	# 89
38) Dibenzo(a,h)anthracene	26.53	278	8477	0.079	ng	# 66
39) Benzo(a,h,i)perylene	27.34	276	22071	0.204	ng	95

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

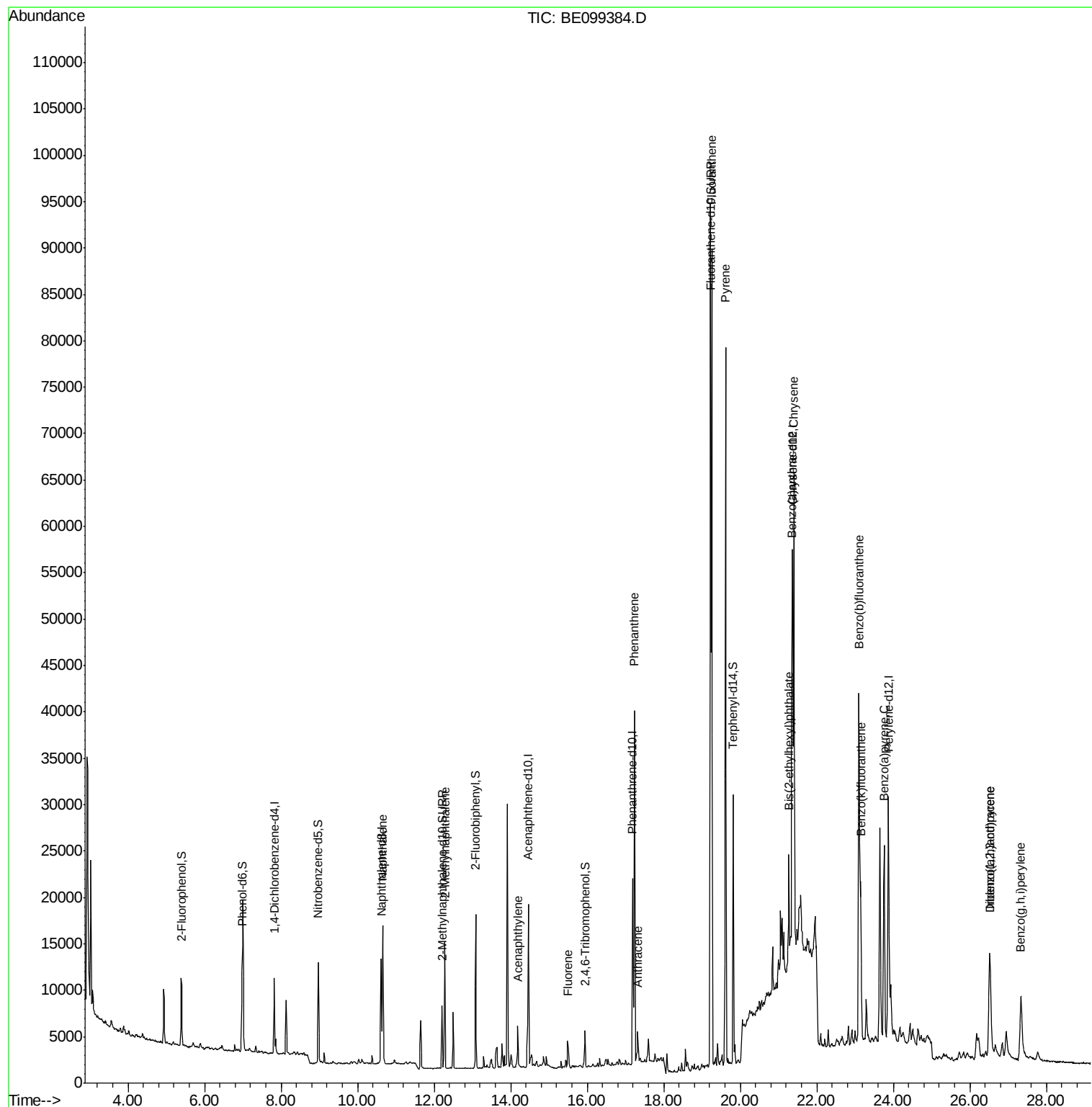
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
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ALS Vial : 16 Sample Multiplier: 1

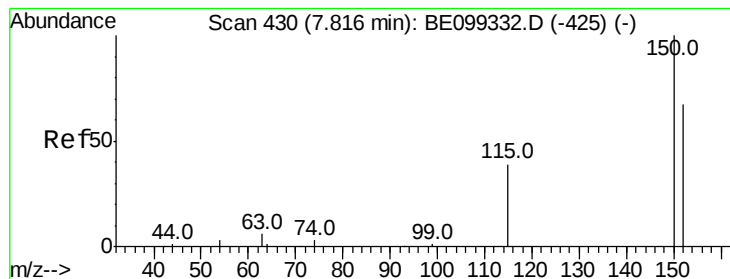
Instrument :
BNA_E
ClientSampleId :
PST-003-SW025-042319

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Quant Time: Apr 27 06:49:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 19 06:51:38 2019
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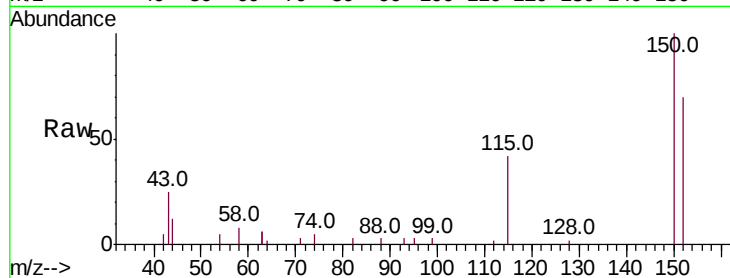
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.82 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: BE099384.D
 Acq: 26 Apr 2019 18:44

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-SW025-042319

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.0	119.5	179.3
115	60.0	47.5	71.3

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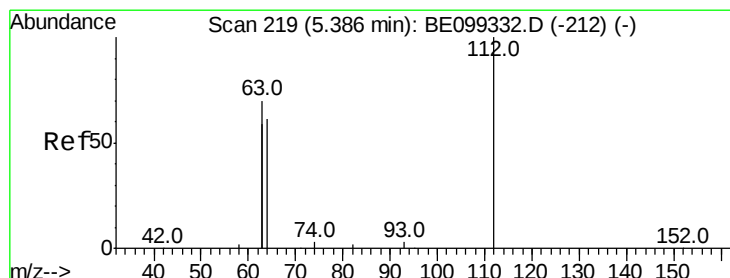
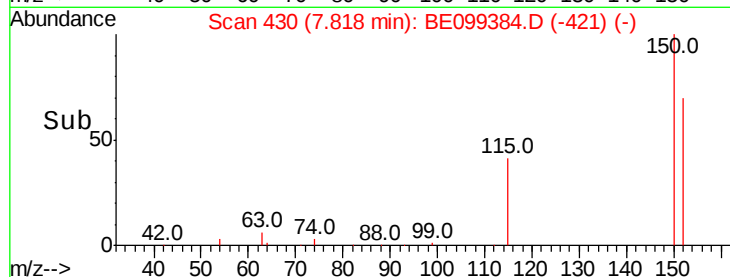
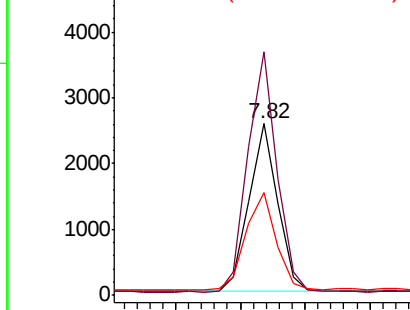


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4
 2-Fluorophenol
 Concen: 0.444 ng
 RT: 5.40 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: BE099384.D
 Acq: 26 Apr 2019 18:44

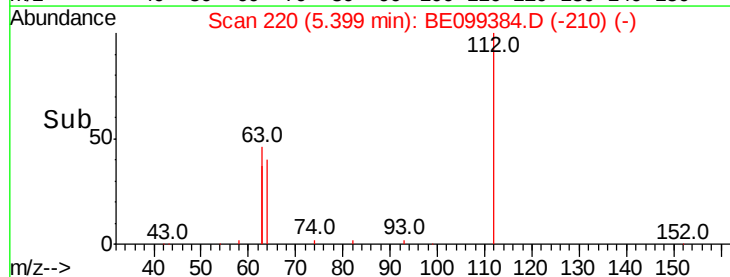
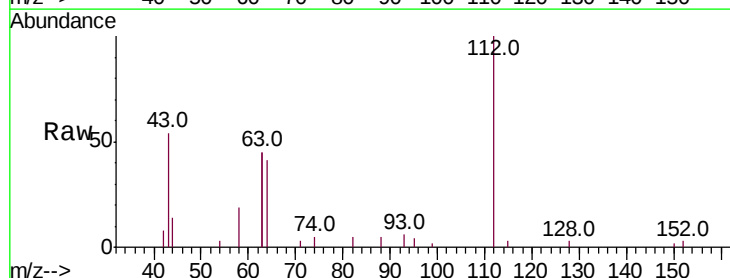
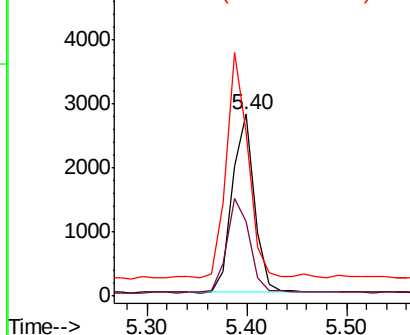
Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.9	67.3
63	124.1	97.4	146.0

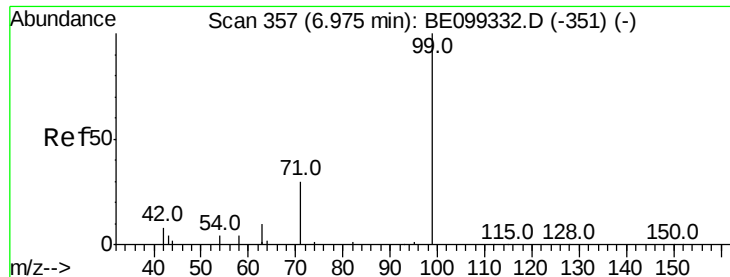
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.491 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099384.D

Acq: 26 Apr 2019 18:44

Instrument :

BNA_E

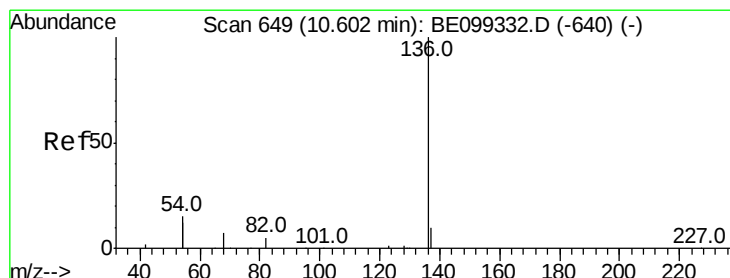
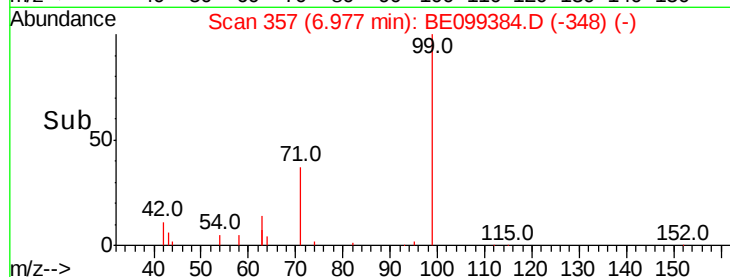
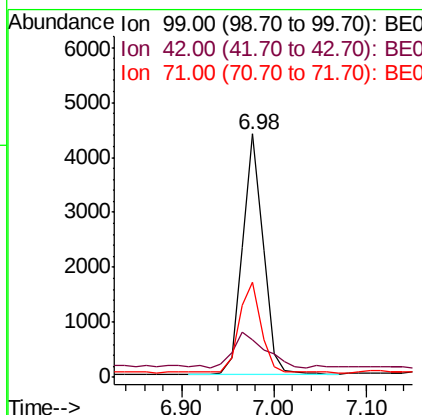
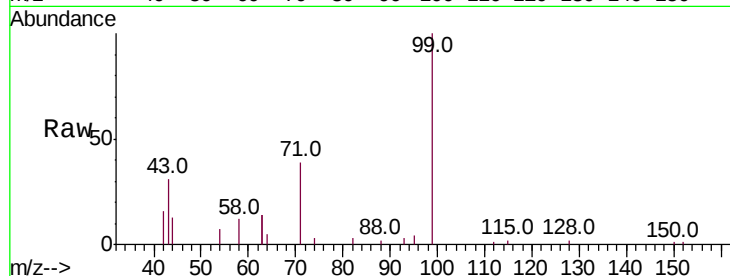
ClientSampleId :

PST-003-SW025-042319

Tot Ion:	99	Resp:	6788
Ion	Ratio	Lower	Upper
99	100		
42	22.0	11.7	17.5#
71	40.2	29.6	44.4

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#7

Naphthalene-d8

Concen: 0.400 ng

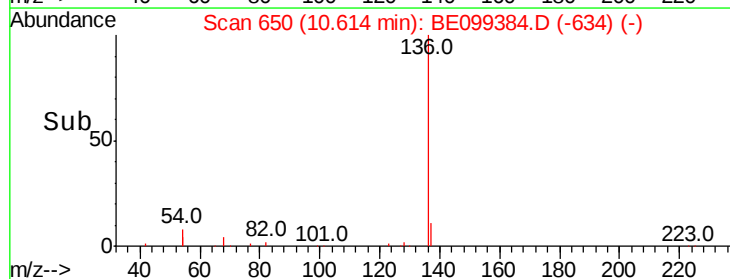
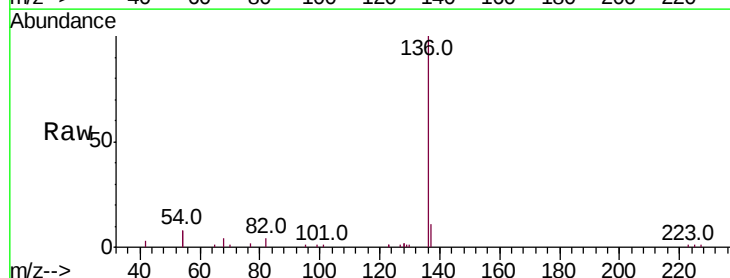
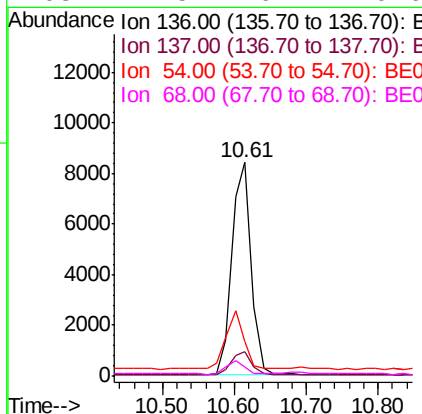
RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099384.D

Acq: 26 Apr 2019 18:44

Tgt Ion:	136	Resp:	15600
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	16.0	23.8	35.8#
68	4.5	6.4	9.6#





#8

Nitrobenzene-d5

Concen: 0.452 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099384.D

Acq: 26 Apr 2019 18:44

Instrument :

BNA_E

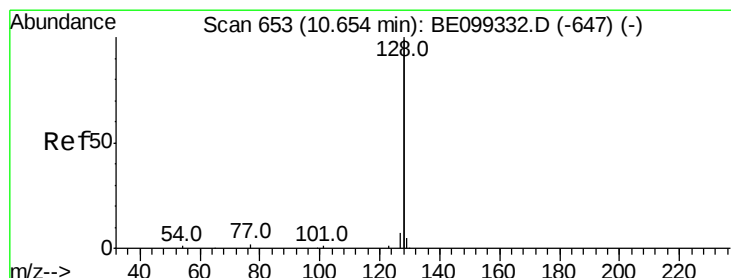
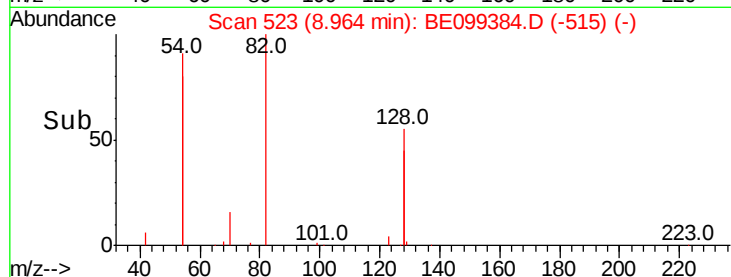
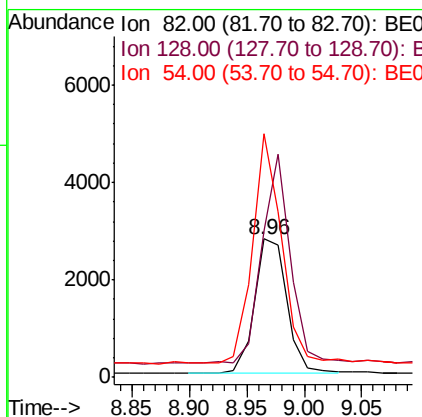
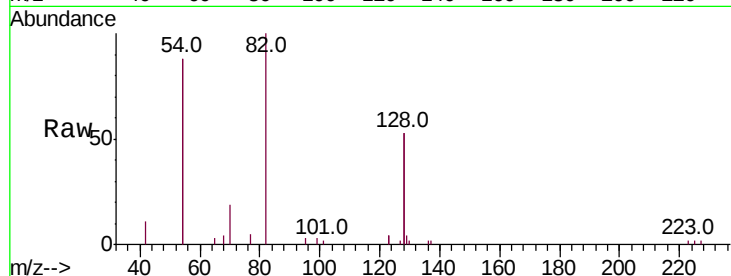
ClientSampleId :

PST-003-SW025-042319

Tot Ion	Ratio	Lower	Upper
82	100		
128	106.1	91.7	137.5
54	176.0	122.8	184.2

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#9

Naphthalene

Concen: 0.143 ng

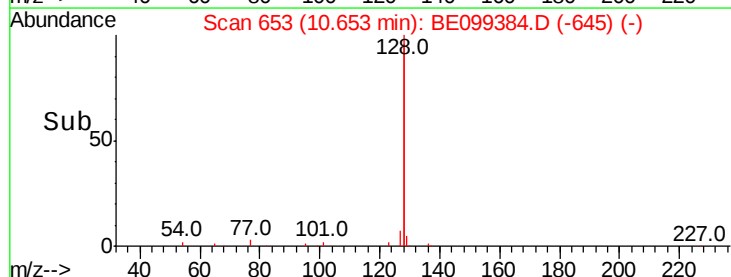
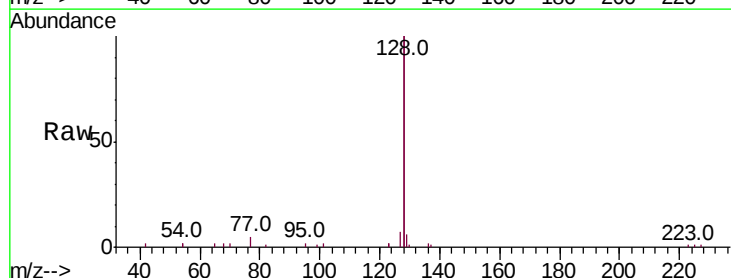
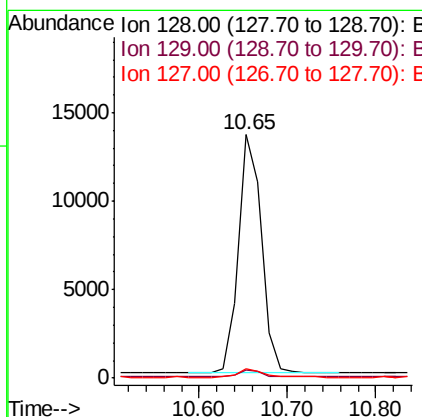
RT: 10.65 min Scan# 653

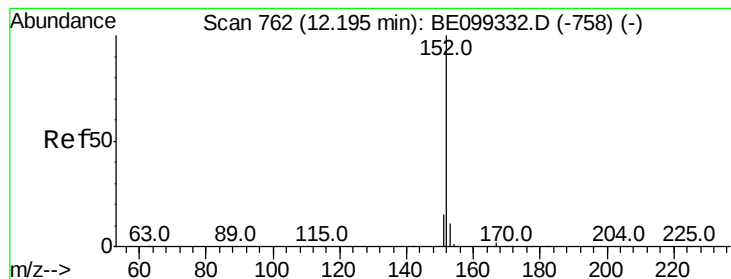
Delta R.T. -0.00 min

Lab File: BE099384.D

Acq: 26 Apr 2019 18:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.3	3.5
127	3.7	2.8	4.2





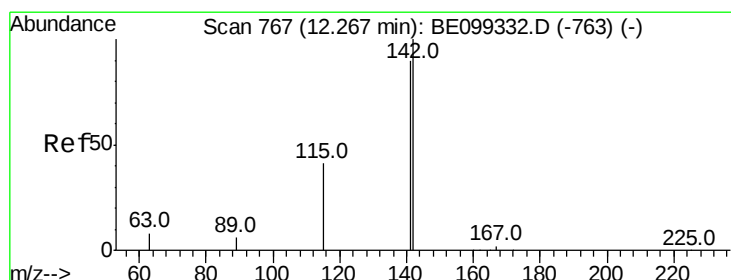
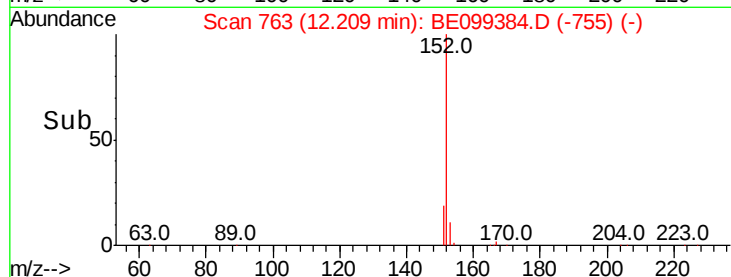
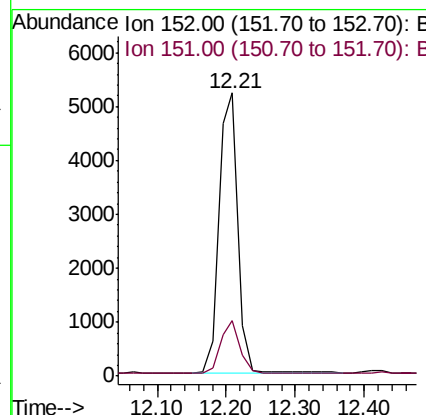
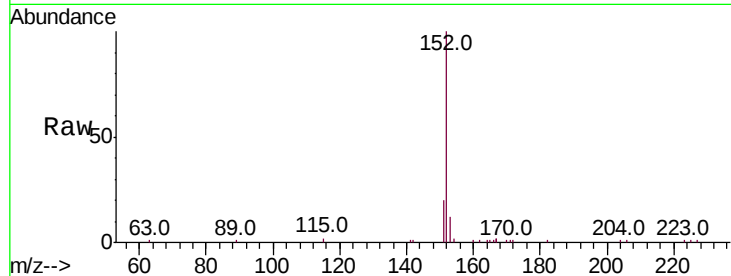
#11
 2-Methylnaphthalene-d10
 Concen: 0.360 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099384.D
 Acq: 26 Apr 2019 18:44

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-SW025-042319

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	14.9	22.3

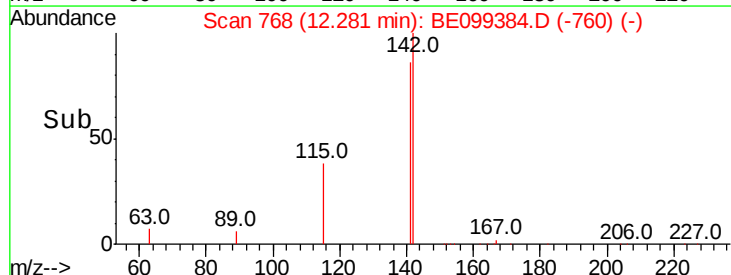
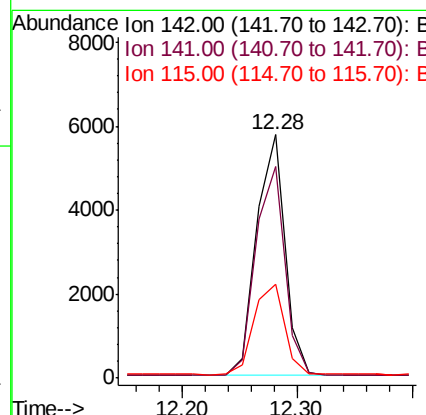
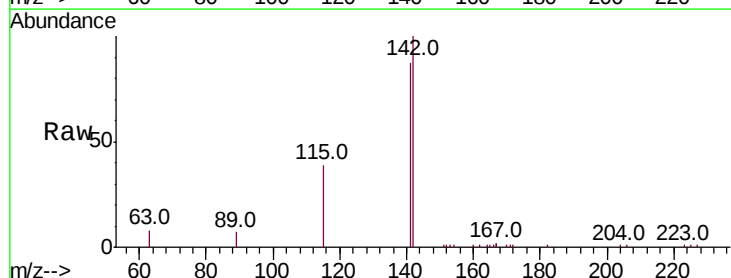
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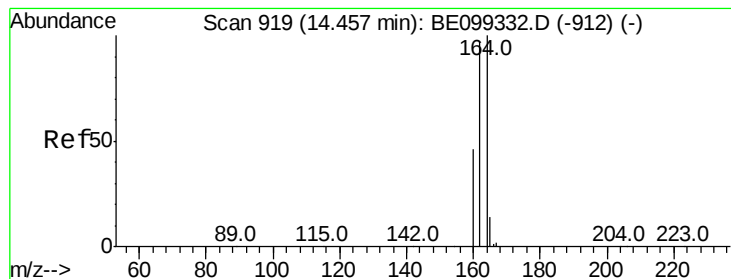
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#12
 2-Methylnaphthalene
 Concen: 0.340 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099384.D
 Acq: 26 Apr 2019 18:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.7	72.0	108.0
115	38.7	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: BE099384.D

Acq: 26 Apr 2019 18:44

Instrument :

BNA_E

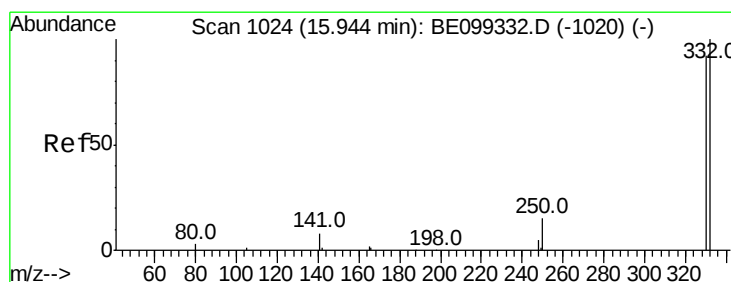
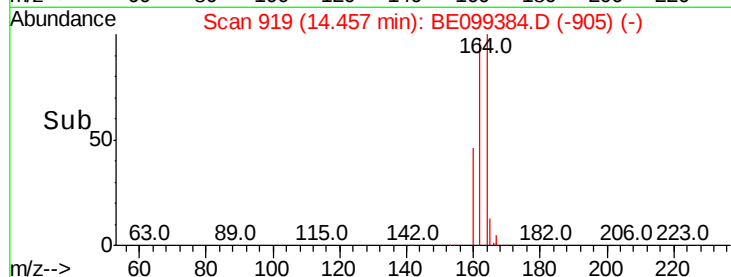
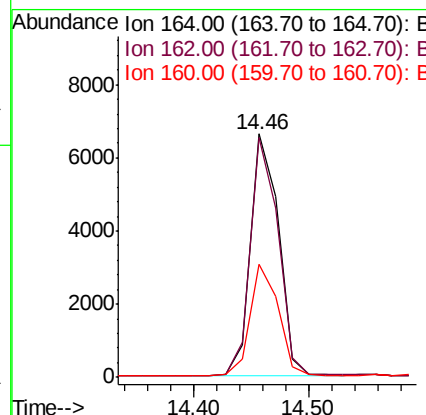
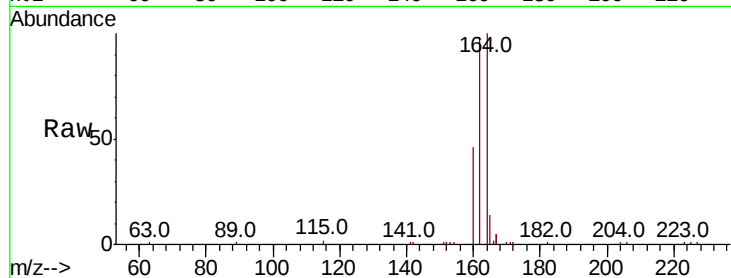
ClientSampleId :

PST-003-SW025-042319

Tot Ion:	164	Resp:	11100
Ion Ratio	Lower	Upper	
164	100		
162	98.3	77.8	116.6
160	46.3	37.1	55.7

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#14

2,4,6-Tribromophenol

Concen: 0.648 ng

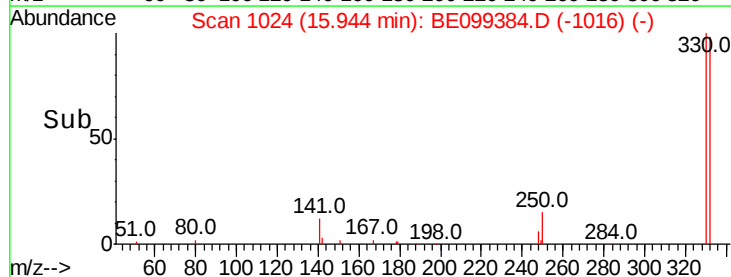
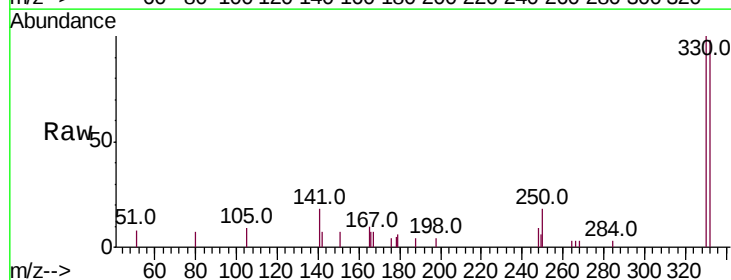
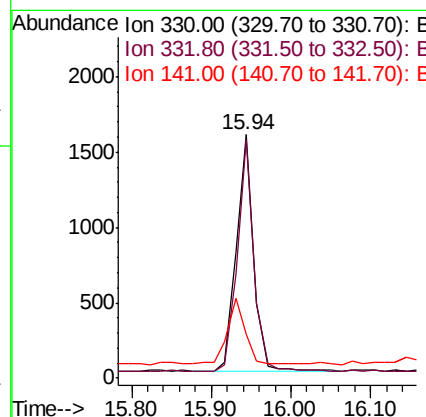
RT: 15.94 min Scan# 1024

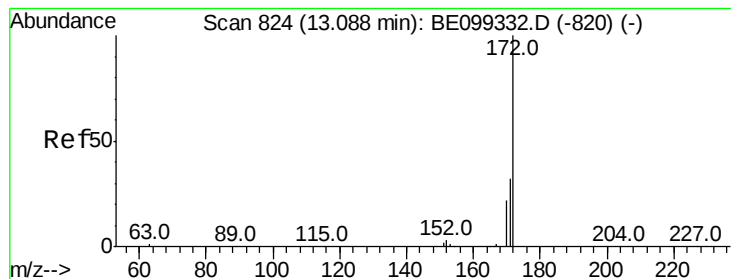
Delta R.T. 0.00 min

Lab File: BE099384.D

Acq: 26 Apr 2019 18:44

Tgt Ion:	330	Resp:	2389
Ion Ratio	Lower	Upper	
330	100		
332	93.4	82.5	123.7
141	28.1	24.9	37.3





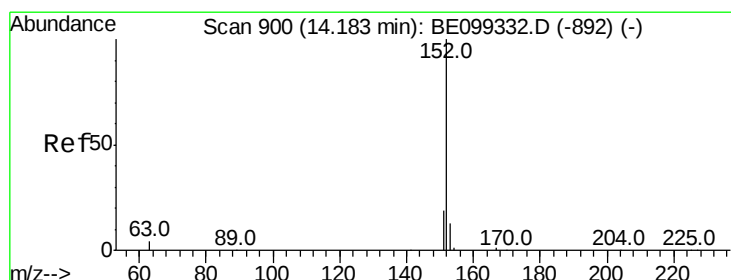
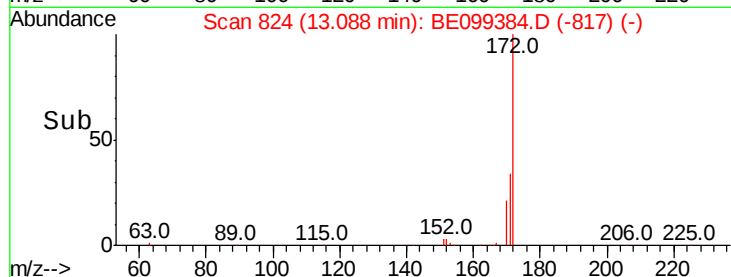
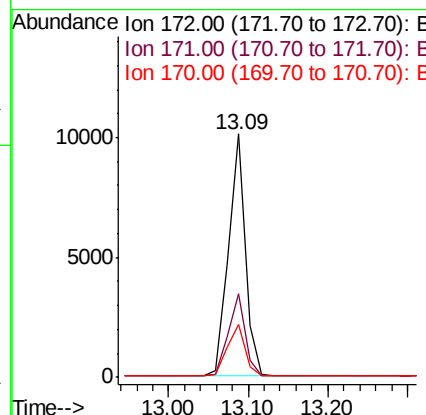
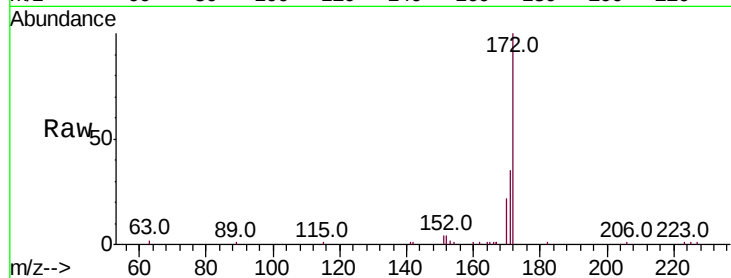
#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099384.D
Acq: 26 Apr 2019 18:44

Instrument :
BNA_E
ClientSampleId :
PST-003-SW025-042319

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	26.2	39.2
170	21.7	18.1	27.1

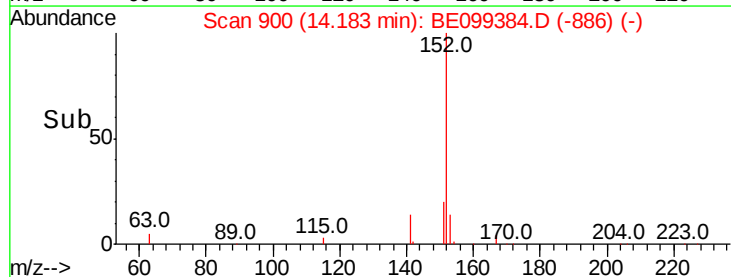
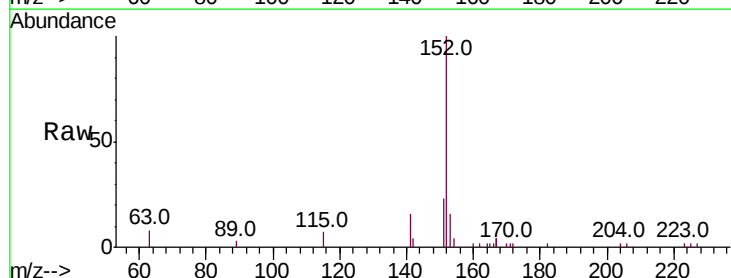
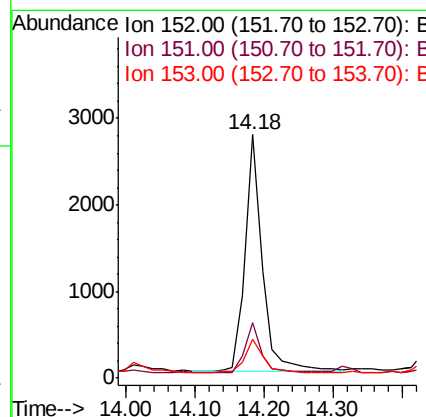
Manual Integrations
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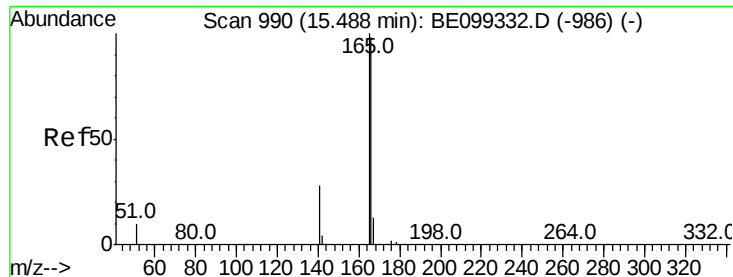
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#16
Acenaphthylene
Concen: 0.096 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099384.D
Acq: 26 Apr 2019 18:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	16.1	10.2	15.4#





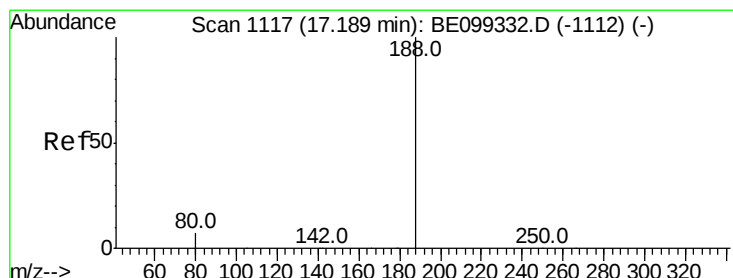
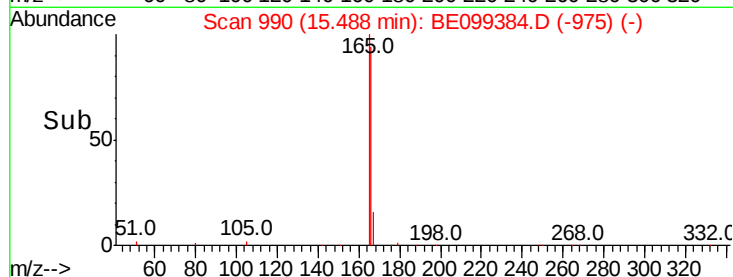
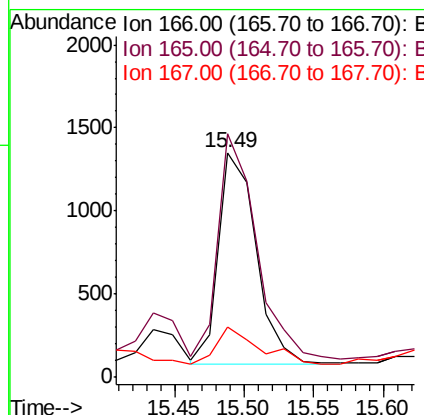
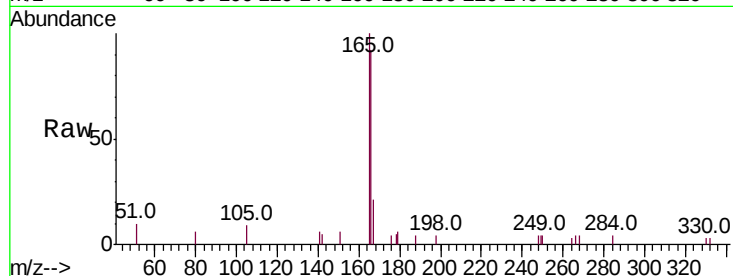
#18
Fluorene
 Concen: 0.054 ng
 RT: 15.49 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: BE099384.D
 Acq: 26 Apr 2019 18:44

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-SW025-042319

Tot Ion	Ratio	Lower	Upper
166	100		
165	108.3	79.7	119.5
167	20.1	11.0	16.4

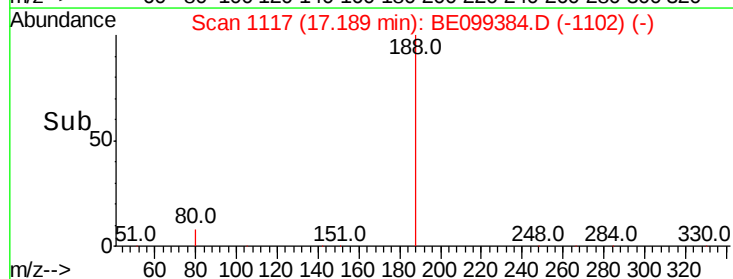
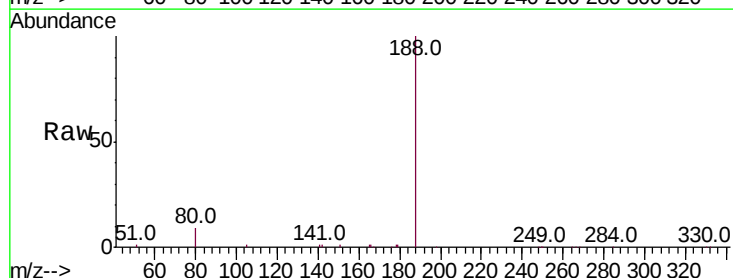
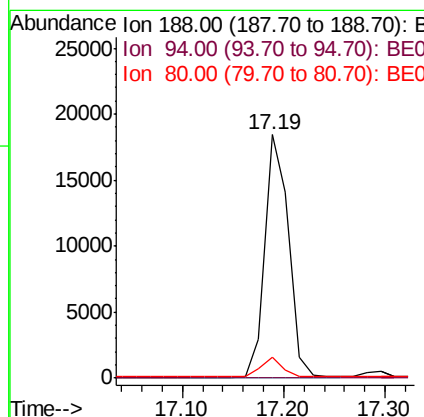
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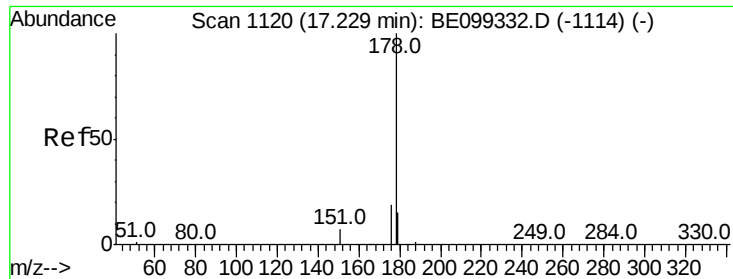
Sohil
 4/29/2019 1:28:47 PM



#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.00 min
 Lab File: BE099384.D
 Acq: 26 Apr 2019 18:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	6.2	9.4





#23

Phenanthrene

Concen: 0.552 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099384.D

Acq: 26 Apr 2019 18:44

Instrument :

BNA_E

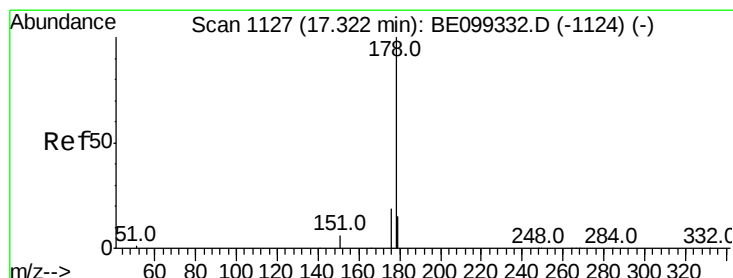
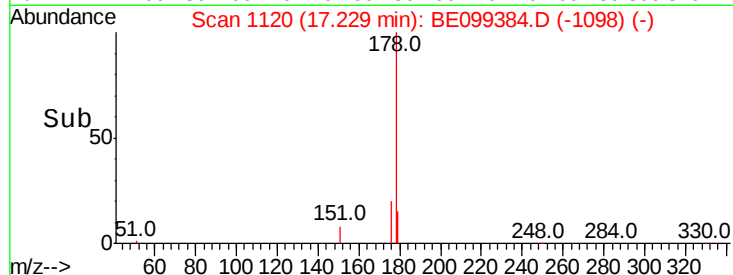
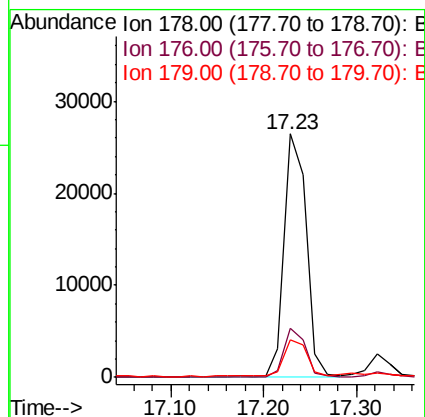
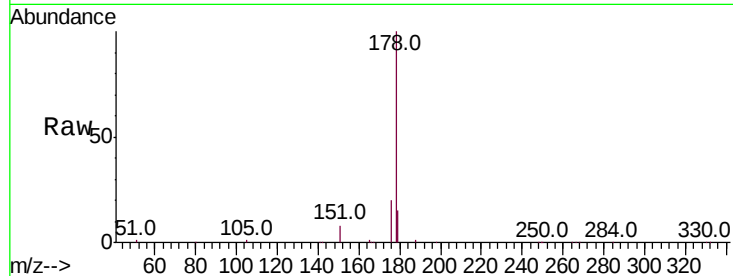
ClientSampleId :

PST-003-SW025-042319

Tot Ion:178	Resp:	43643
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.3 22.9
179	15.6	12.4 18.6

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#24

Anthracene

Concen: 0.055 ng

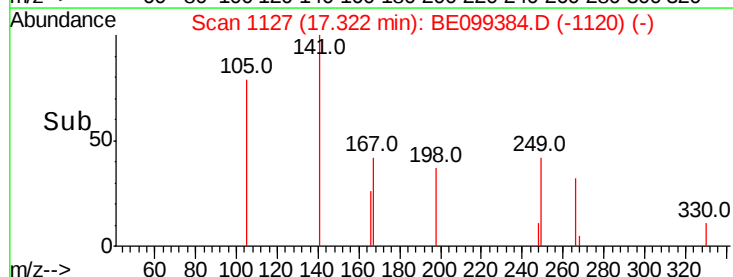
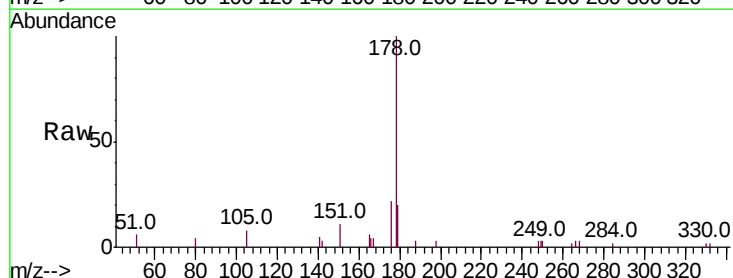
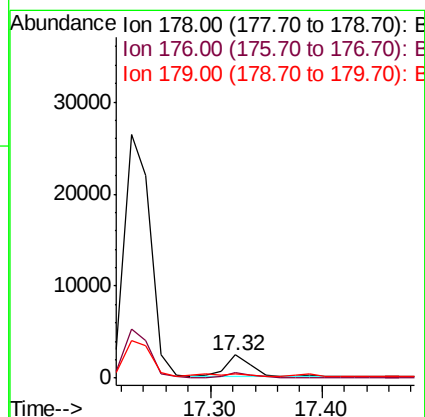
RT: 17.32 min Scan# 1127

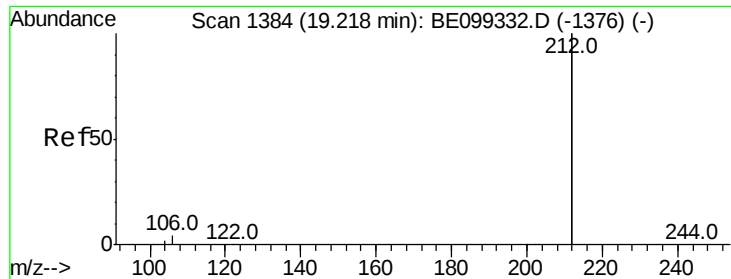
Delta R.T. -0.00 min

Lab File: BE099384.D

Acq: 26 Apr 2019 18:44

Tgt Ion:178	Resp:	3886
Ion Ratio	Lower	Upper
178	100	
176	18.4	15.1 22.7
179	23.3	11.9 17.9#





#25

Fluoranthene-d10

Concen: 0.329 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BE099384.D

Acq: 26 Apr 2019 18:44

Instrument :

BNA_E

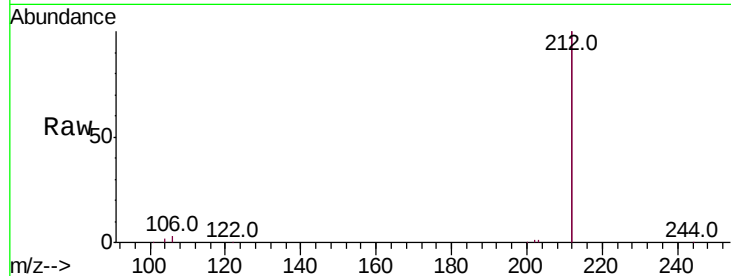
ClientSampleId :

PST-003-SW025-042319

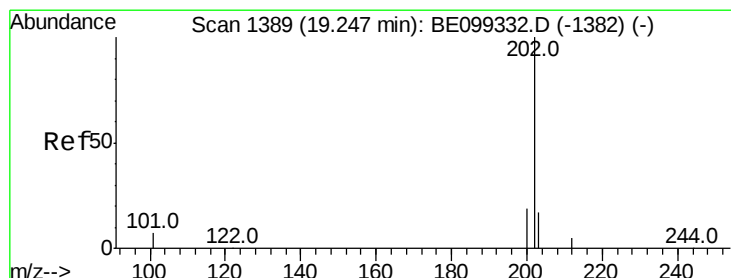
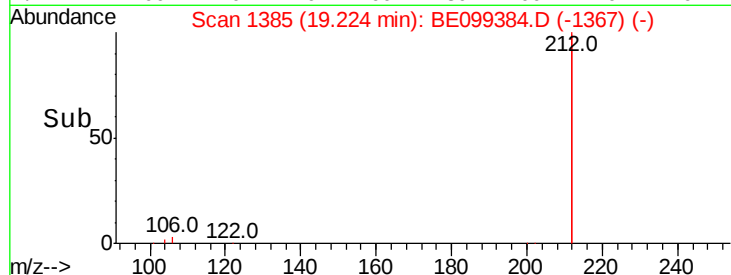
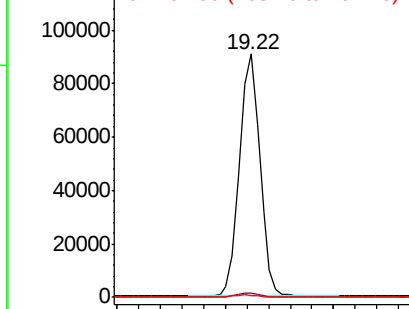
Tot Ion:	212	Resp:	117949
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.8	2.6
104	1.1	1.0	1.4

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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: 0.769 ng

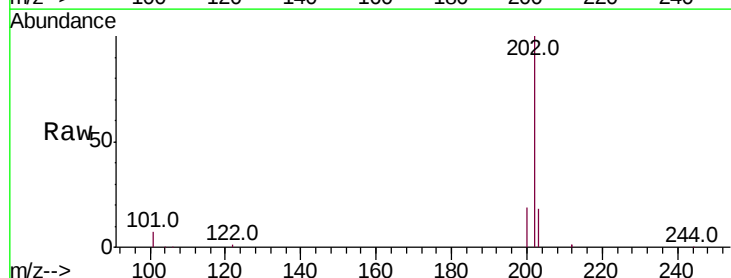
RT: 19.25 min Scan# 1390

Delta R.T. 0.01 min

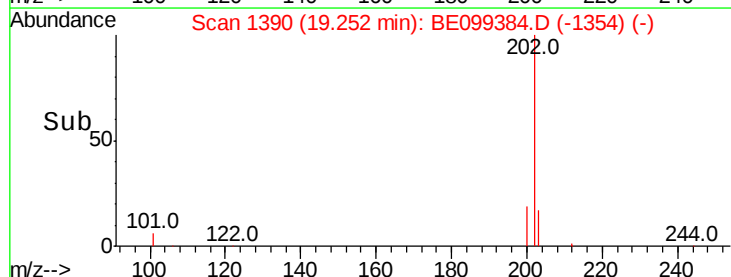
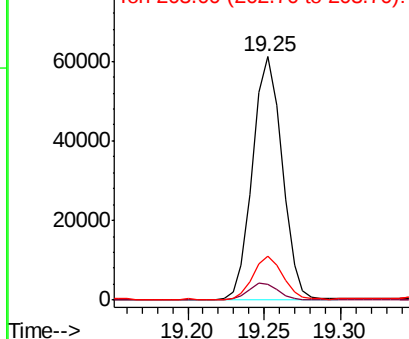
Lab File: BE099384.D

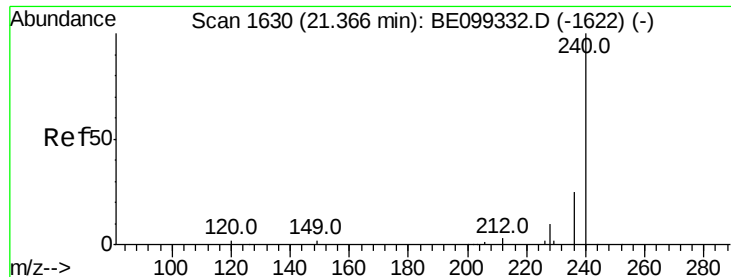
Acq: 26 Apr 2019 18:44

Tgt Ion:	202	Resp:	81363
Ion Ratio	Lower	Upper	
202	100		
101	6.7	6.4	9.6
203	17.4	13.5	20.3



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





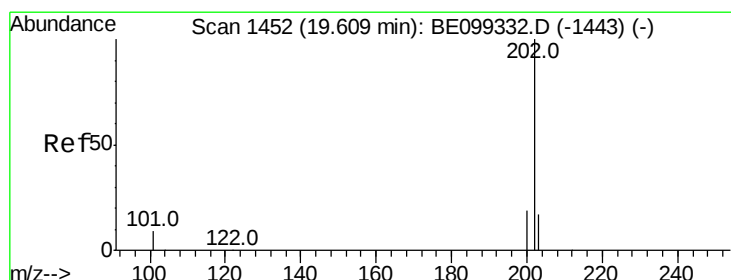
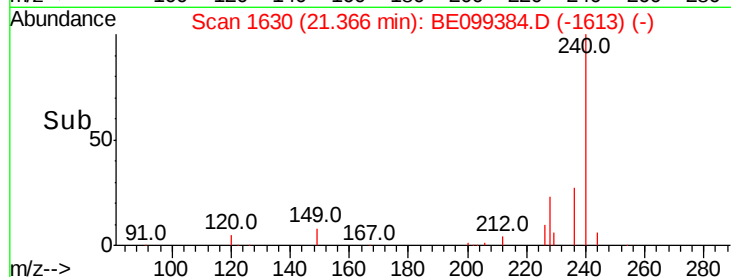
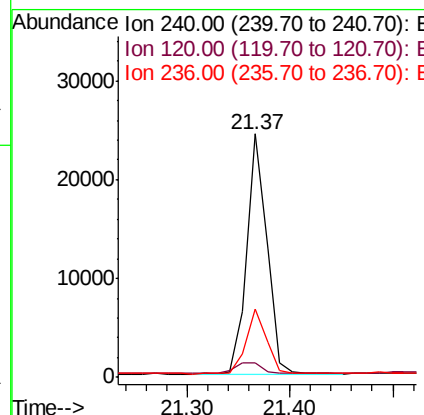
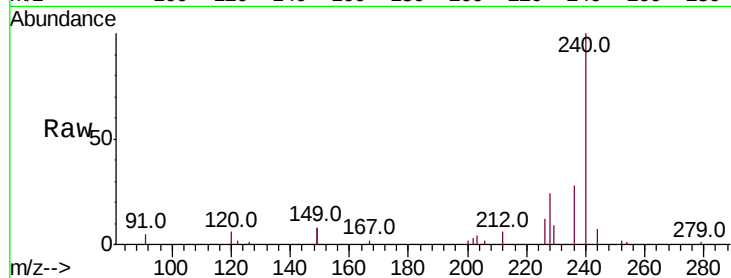
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099384.D
Acq: 26 Apr 2019 18:44

Instrument :
BNA_E
ClientSampleId :
PST-003-SW025-042319

Tot Ion:240 Resp: 32820
Ion Ratio Lower Upper
240 100
120 6.2 2.2 3.2#
236 28.2 20.2 30.4

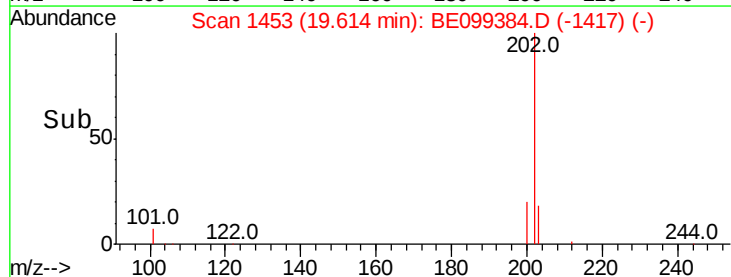
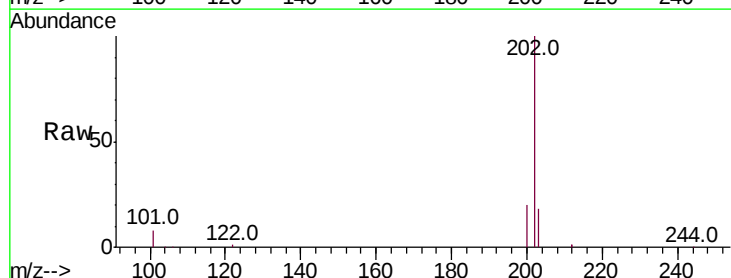
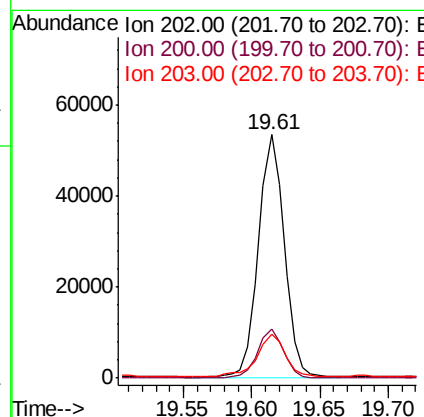
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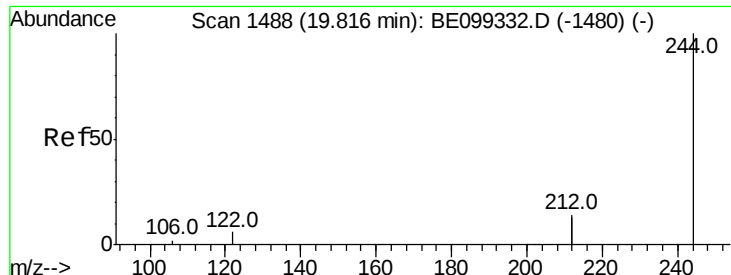
Sohil
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#28
Pyrene
Concen: 0.717 ng
RT: 19.61 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE099384.D
Acq: 26 Apr 2019 18:44

Tgt Ion:202 Resp: 69306
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 19.2 13.7 20.5





#29

Terphenyl-d14

Concen: 0.392 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE099384.D

Acq: 26 Apr 2019 18:44

Instrument :

BNA_E

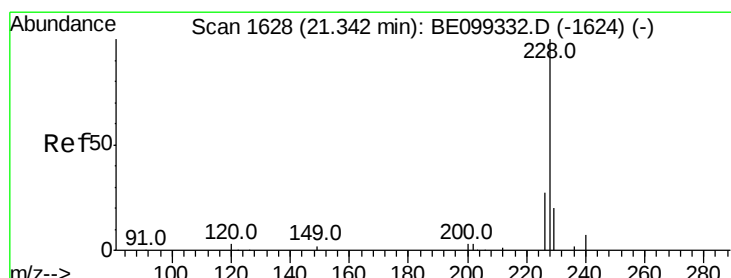
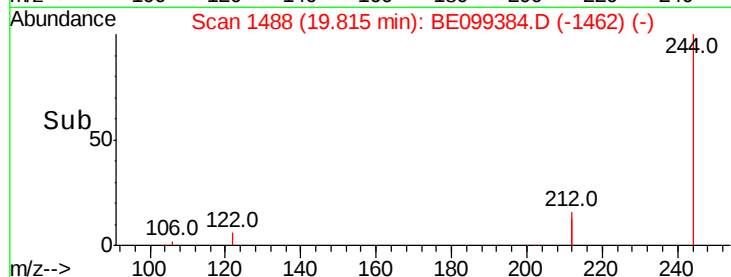
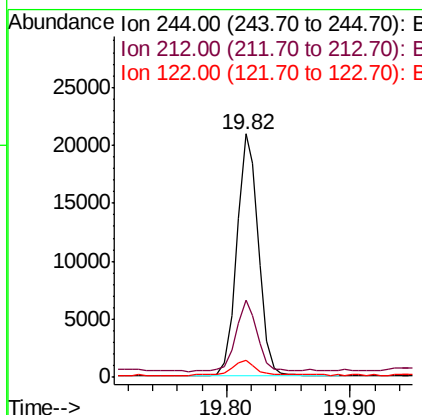
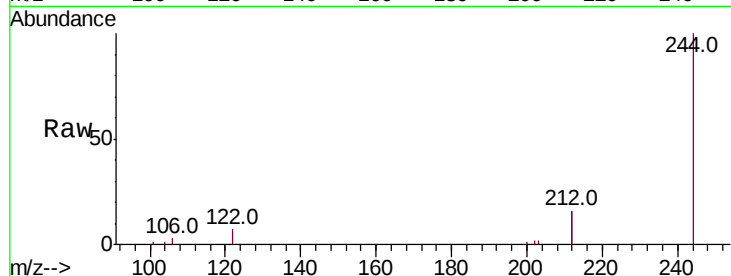
ClientSampleId :

PST-003-SW025-042319

Tot Ion	Ratio	Lower	Upper
244	100		
212	31.8	22.6	33.8
122	7.1	4.6	7.0

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#30

Benzo(a)anthracene

Concen: 0.308 ng m

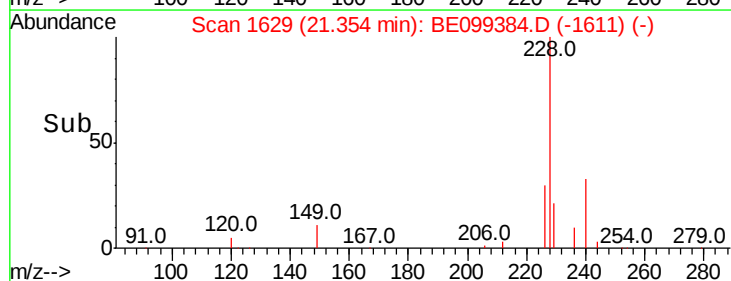
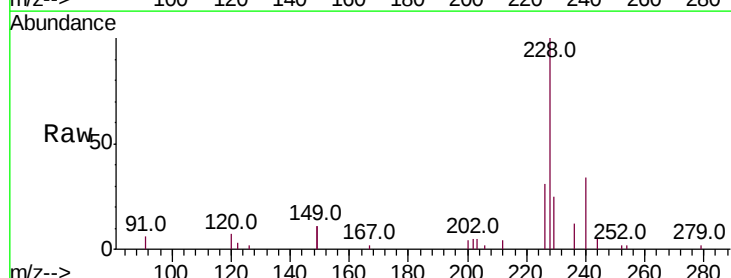
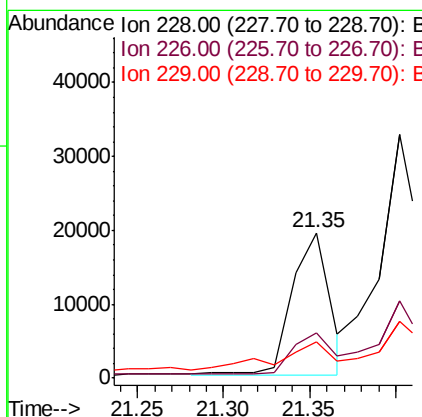
RT: 21.35 min Scan# 1629

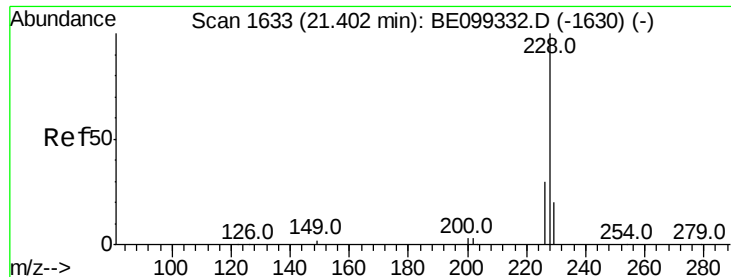
Delta R.T. 0.01 min

Lab File: BE099384.D

Acq: 26 Apr 2019 18:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.0	33.0
229	24.7	15.8	23.8





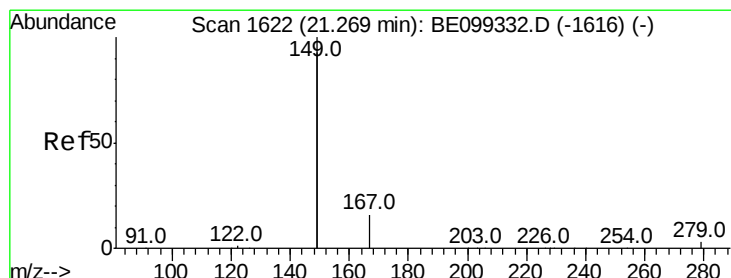
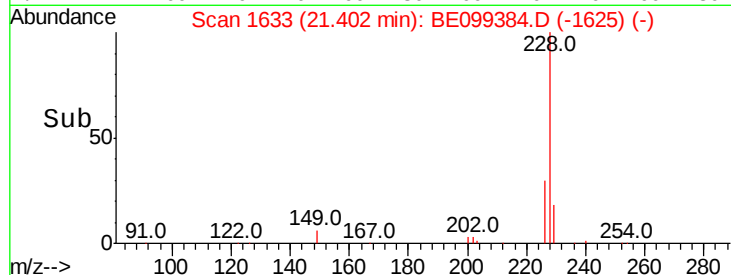
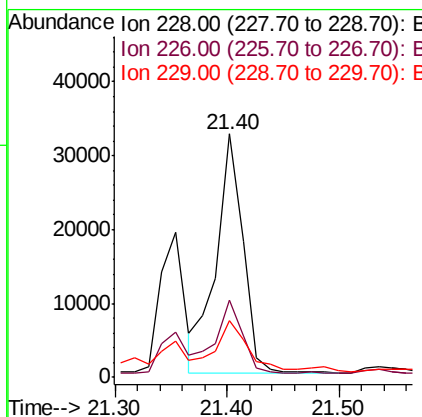
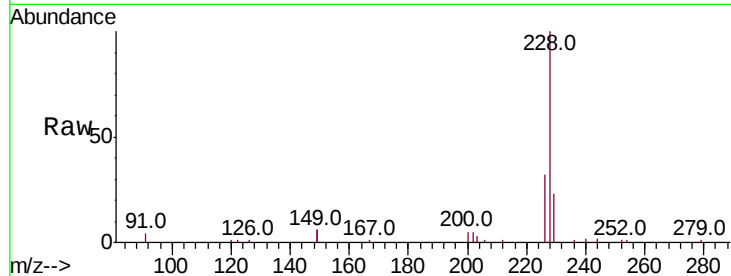
#31
Chrysene
Concen: 0.524 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099384.D
Acq: 26 Apr 2019 18:44

Instrument :
BNA_E
ClientSampleId :
PST-003-SW025-042319

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.4	35.2
229	23.4	16.2	24.2

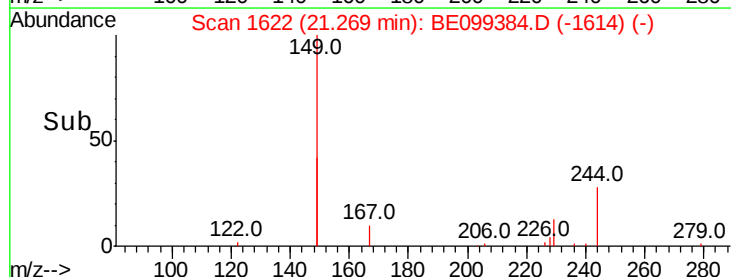
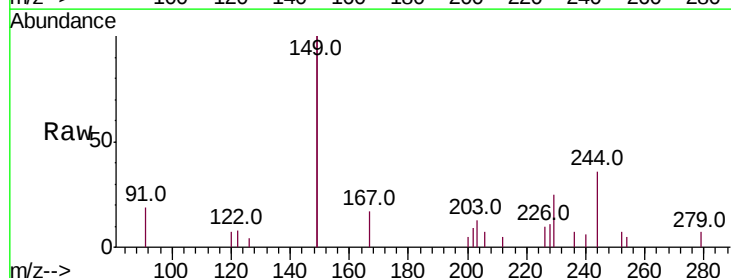
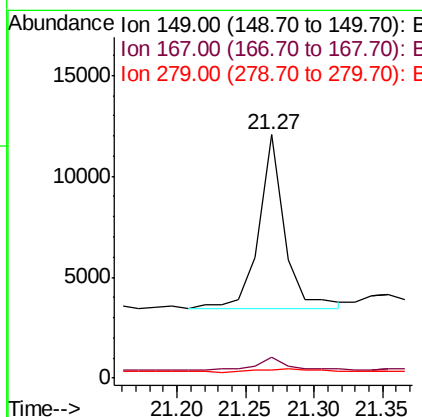
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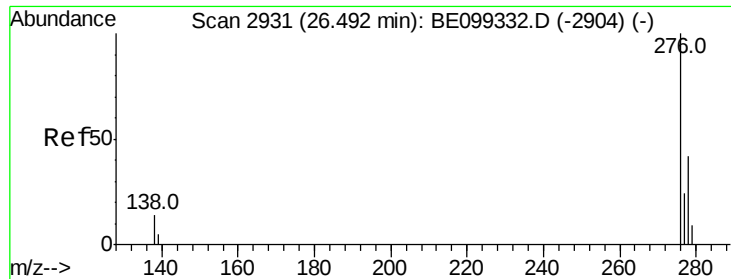
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.128 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.00 min
Lab File: BE099384.D
Acq: 26 Apr 2019 18:44

Tgt Ion	Ratio	Lower	Upper
149	100		
167	8.1	6.0	9.0
279	3.3	1.1	1.7#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.252 ng

RT: 26.52 min Scan# 2938

Delta R.T. 0.02 min

Lab File: BE099384.D

Acq: 26 Apr 2019 18:44

Instrument :

BNA_E

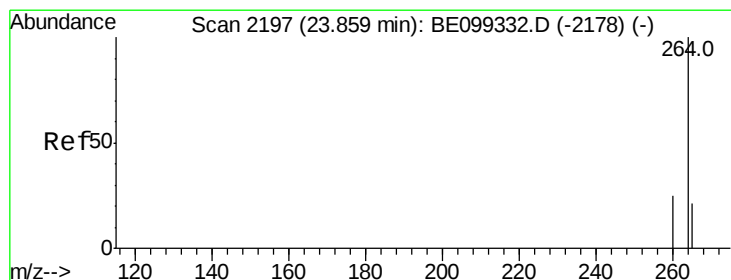
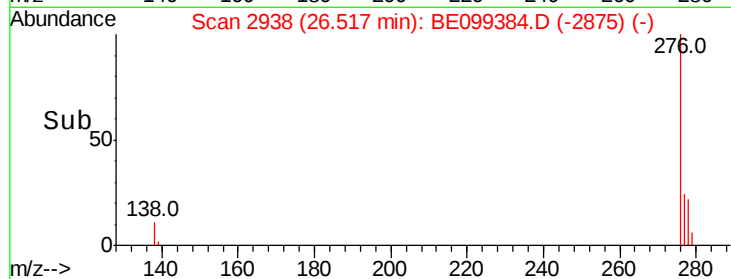
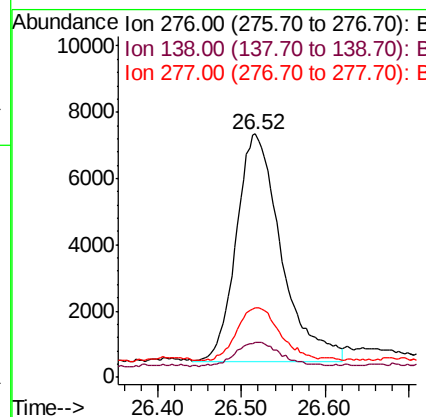
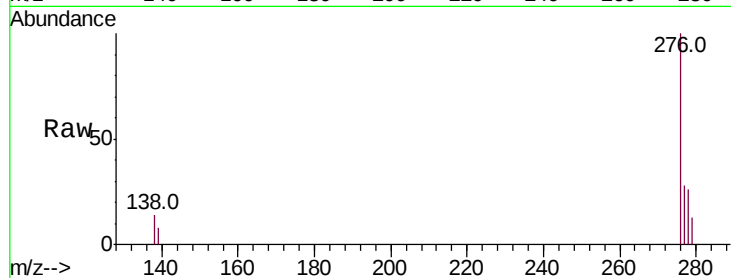
ClientSampleId :

PST-003-SW025-042319

Tot Ion:	276	Resp:	25592
Ion Ratio	Lower	Upper	
276	100		
138	9.4	12.7	19.1#
277	22.1	19.6	29.4

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#34

Perylene-d12

Concen: 0.400 ng

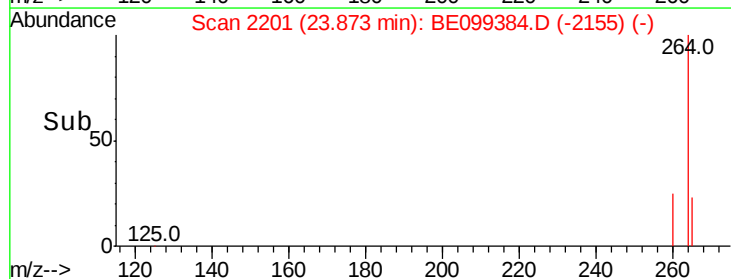
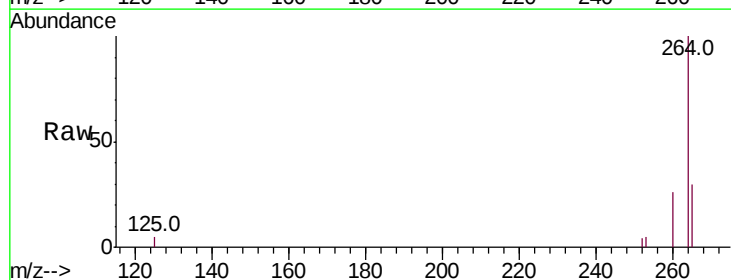
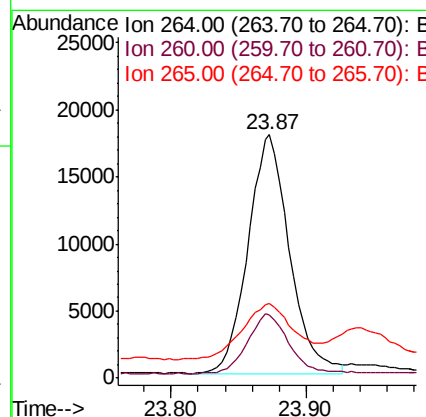
RT: 23.87 min Scan# 2201

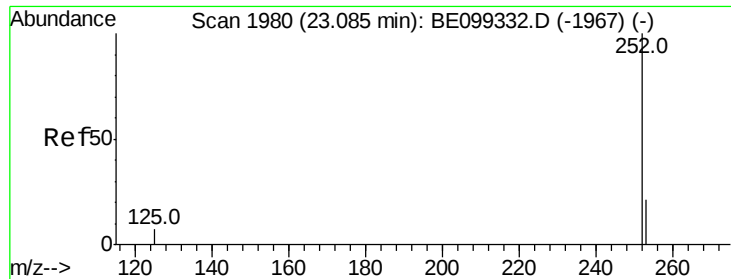
Delta R.T. 0.01 min

Lab File: BE099384.D

Acq: 26 Apr 2019 18:44

Tgt Ion:	264	Resp:	38112
Ion Ratio	Lower	Upper	
264	100		
260	26.2	20.1	30.1
265	30.4	19.9	29.9#





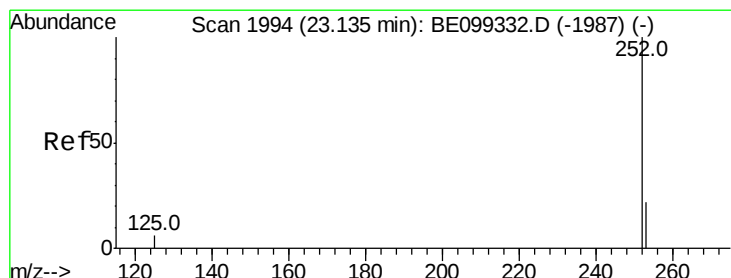
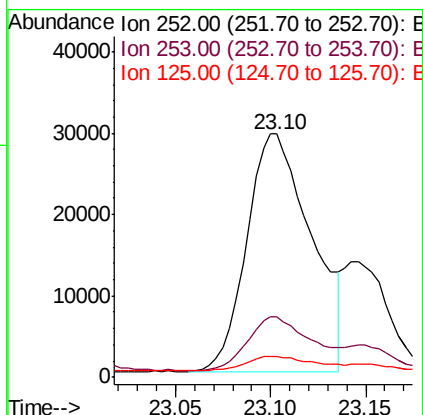
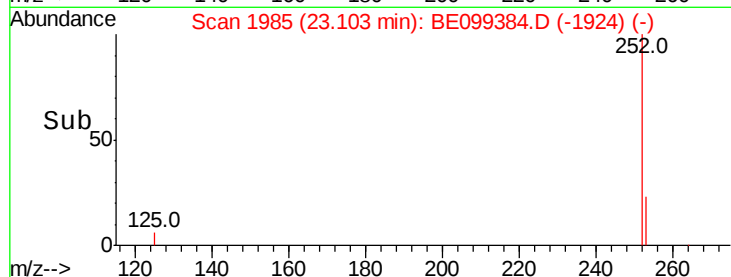
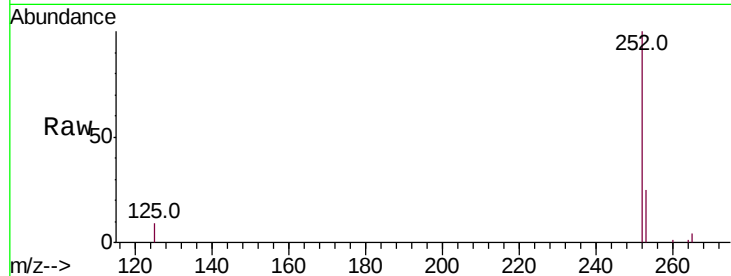
#35
Benzo(b)fluoranthene
Concen: 0.593 ng
RT: 23.10 min Scan# 1985
Delta R.T. 0.02 min
Lab File: BE099384.D
Acq: 26 Apr 2019 18:44

Instrument :
BNA_E
ClientSampleId :
PST-003-SW025-042319

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.3	25.9
125	8.5	5.8	8.6

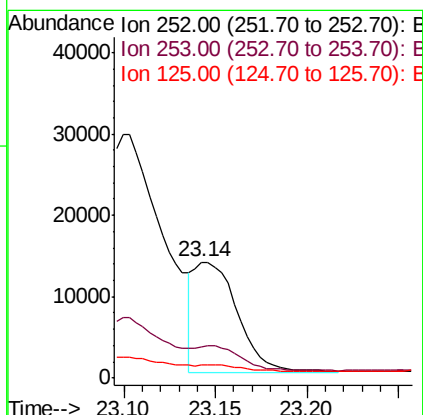
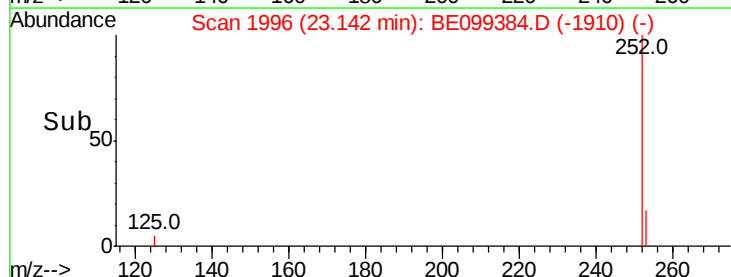
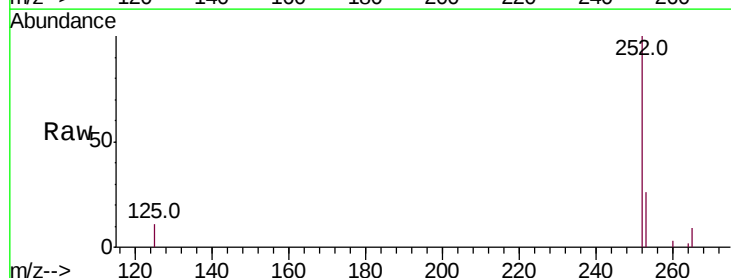
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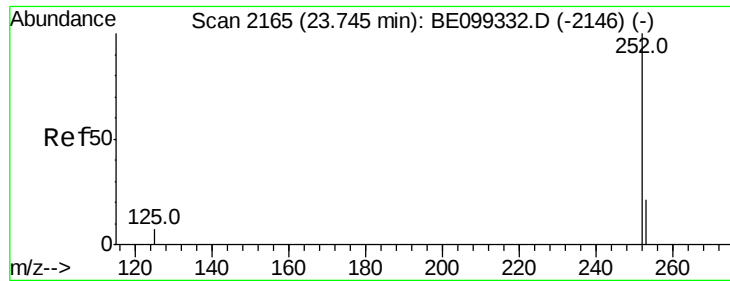
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.190 ng m
RT: 23.14 min Scan# 1996
Delta R.T. 0.01 min
Lab File: BE099384.D
Acq: 26 Apr 2019 18:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.4	27.6
125	11.0	5.4	8.0





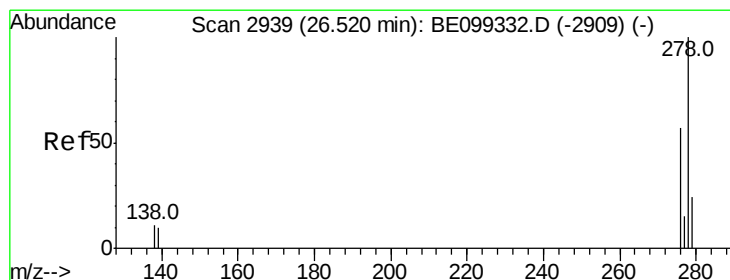
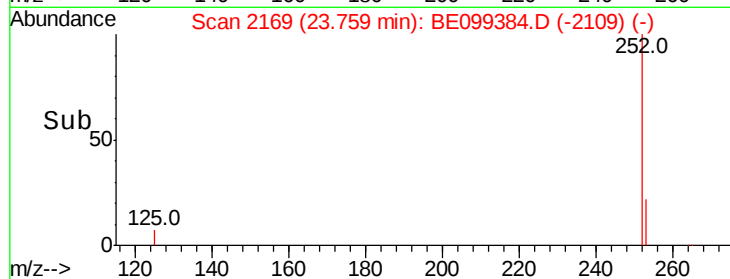
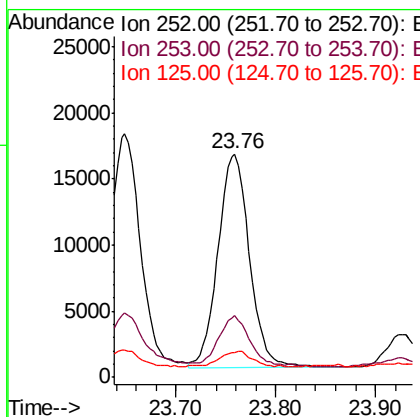
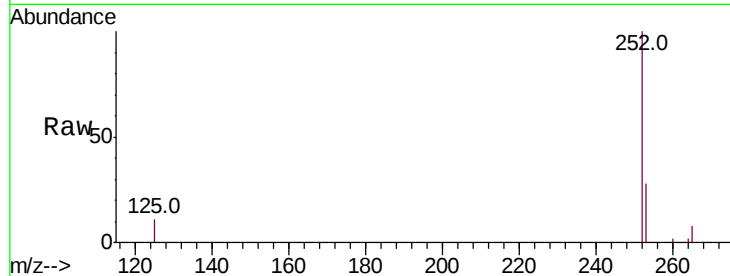
#37
Benzo(a)pyrene
Concen: 0.340 ng
RT: 23.76 min Scan# 2169
Delta R.T. 0.01 min
Lab File: BE099384.D
Acq: 26 Apr 2019 18:44

Instrument :
BNA_E
ClientSampleId :
PST-003-SW025-042319

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.6	26.4#
125	11.1	6.5	9.7#

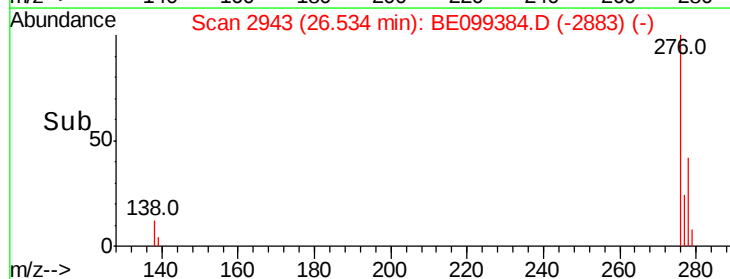
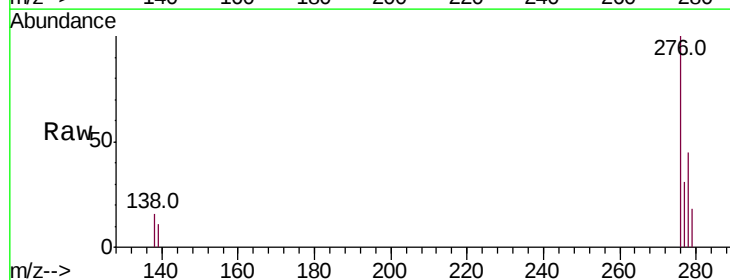
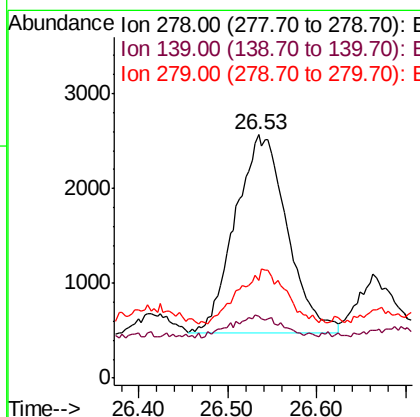
Manual Integrations
APPROVED

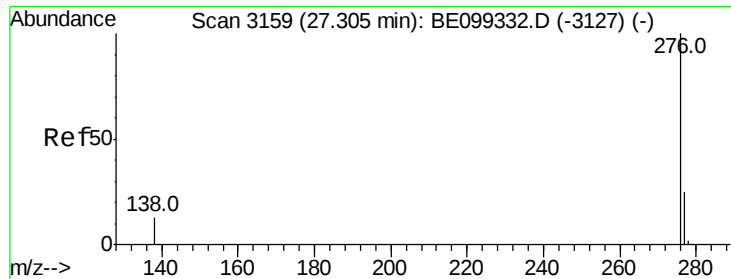
Sohil
4/29/2019 1:28:47 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.079 ng
RT: 26.53 min Scan# 2943
Delta R.T. 0.01 min
Lab File: BE099384.D
Acq: 26 Apr 2019 18:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.3	8.5	12.7#
279	40.4	19.8	29.8#





#39

Benzo(a,h,i)perylene

Concen: 0.204 ng

RT: 27.34 min Scan# 3169

Delta R.T. 0.04 min

Lab File: BE099384.D

Acq: 26 Apr 2019 18:44

Instrument :

BNA_E

ClientSampleId :

PST-003-SW025-042319

Tot Ion:	276	Resp:	22071
Ion Ratio	Lower	Upper	
276	100		
277	28.3	20.0	30.0
138	14.6	11.1	16.7

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