

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099380.D
 Acq On : 26 Apr 2019 16:17
 Operator : JU/SJ
 Sample : K2569-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW095-042319

Manual Integrations
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Sohil
 4/29/2019 1:28:39 PM

Quant Time: Apr 27 06:03:55 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	4656	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	17859	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	12359	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	32677	0.40	ng	0.00
27) Chrysene-d12	21.37	240	35799	0.40	ng	0.00
34) Perylene-d12	23.87	264	42044	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	3314	0.29	ng	0.01
5) Phenol-d6	6.98	99	5195	0.32	ng	0.00
8) Nitrobenzene-d5	8.96	82	4228	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	7440	0.24	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	1828	0.45	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	10727	0.22	ng	0.00
25) Fluoranthene-d10	19.22	212	77331	0.20	ng	0.00
29) Terphenyl-d14	19.82	244	15484	0.22	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	8731	0.045	ng	# 98
12) 2-Methylnaphthalene	12.28	142	1616	0.049	ng	95
16) Acenaphthylene	14.18	152	3701	0.066	ng	# 95
18) Fluorene	15.49	166	1267	0.026	ng	# 79
23) Phenanthrene	17.23	178	36157	0.418	ng	99
24) Anthracene	17.32	178	3997	0.052	ng	# 92
26) Fluoranthene	19.25	202	81838	0.707	ng	97
28) Pyrene	19.62	202	82891	0.786	ng	# 95
30) Benzo(a)anthracene	21.35	228	53534	0.509	ng	# 92
31) Chrysene	21.40	228	52036	0.465	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.27	149	52387	0.547	ng	99
33) Indeno(1,2,3-cd)pyrene	26.52	276	26599	0.240	ng	# 92
35) Benzo(b)fluoranthene	23.10	252	64361	0.500	ng	# 63
36) Benzo(k)fluoranthene	23.15	252	24236m	0.189	ng	
37) Benzo(a)pyrene	23.76	252	44569	0.386	ng	# 67
38) Dibenzo(a,h)anthracene	26.54	278	6470	0.055	ng	# 31
39) Benzo(a,h,i)perylene	27.34	276	23724	0.199	ng	# 87

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

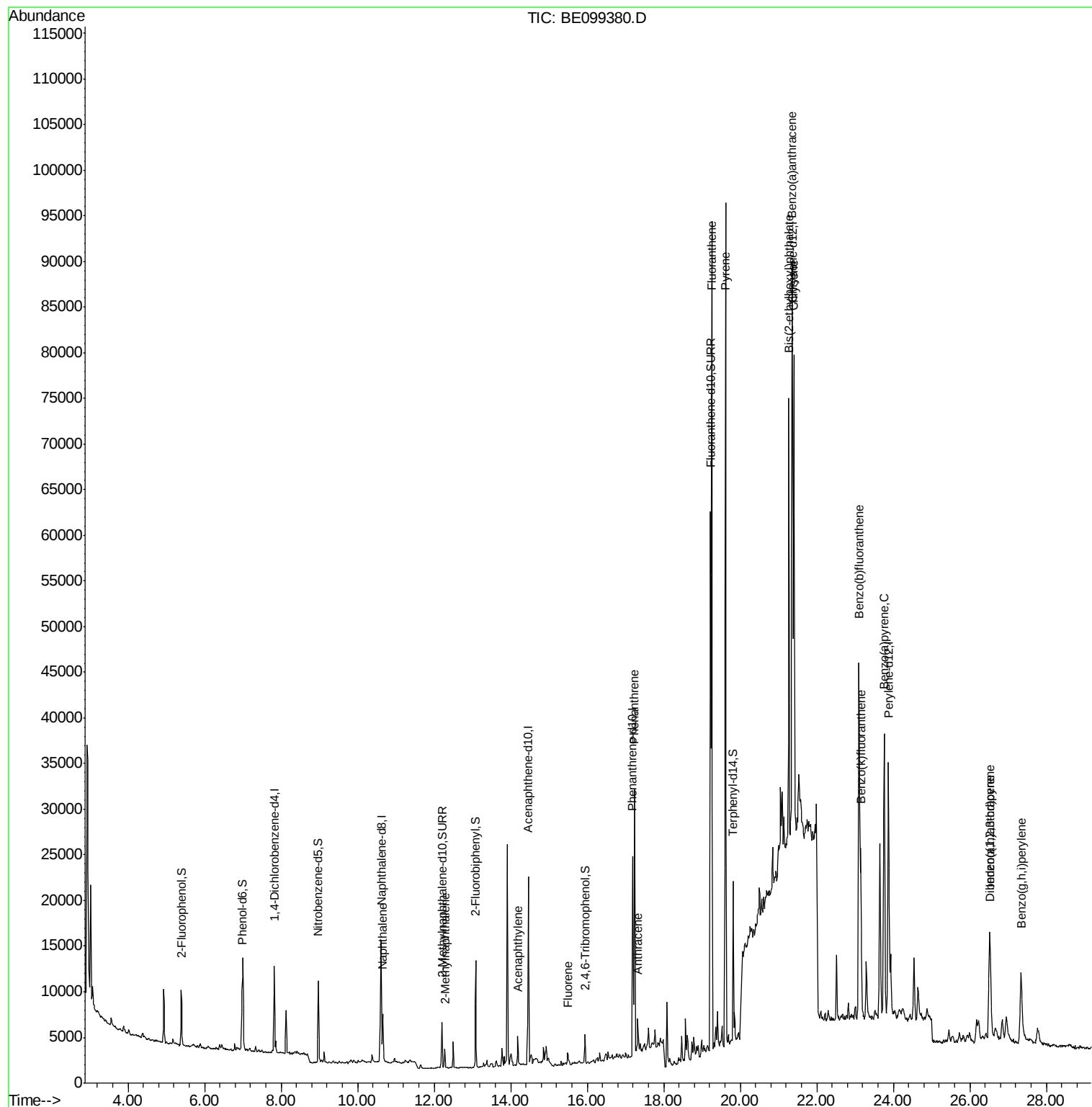
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
Data File : BE099380.D
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ALS Vial : 12 Sample Multiplier: 1

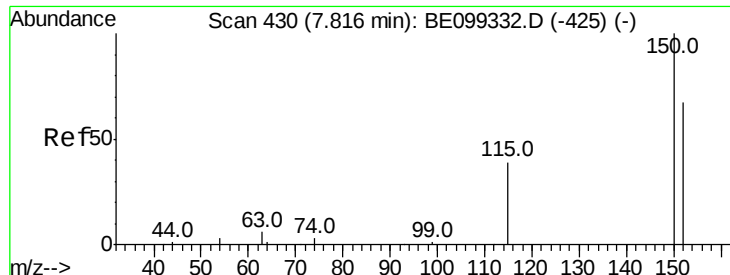
Instrument :
BNA_E
ClientSampleId :
PST-023-SW095-042319

Manual Integrations
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Quant Time: Apr 27 06:03:55 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

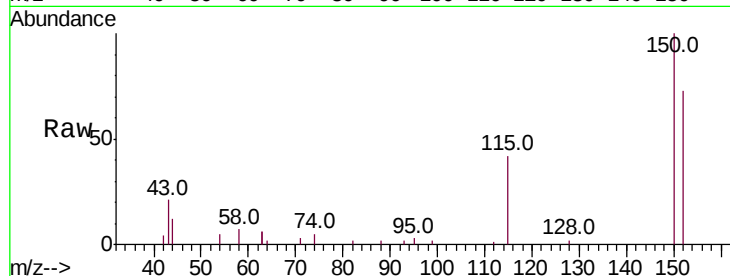
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099380.D
Acq: 26 Apr 2019 16:17

Instrument :
BNA_E
ClientSampleId :
PST-023-SW095-042319

Tot Ion	Ratio	Lower	Upper
152	100		
150	136.8	119.5	179.3
115	57.9	47.5	71.3

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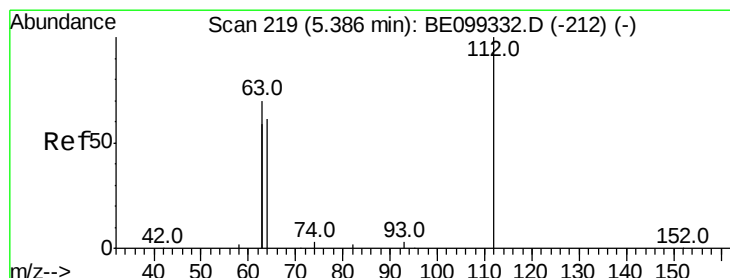
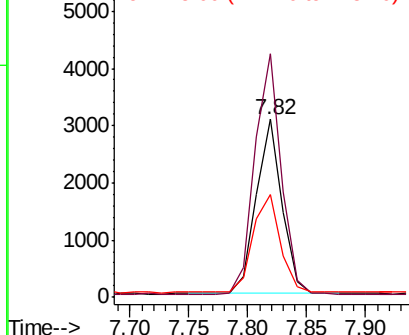
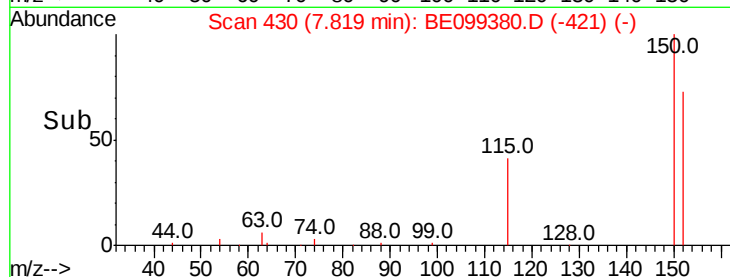


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

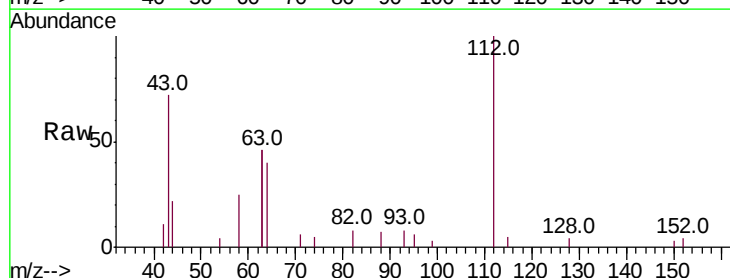
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.291 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE099380.D
Acq: 26 Apr 2019 16:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	44.9	67.3
63	126.8	97.4	146.0

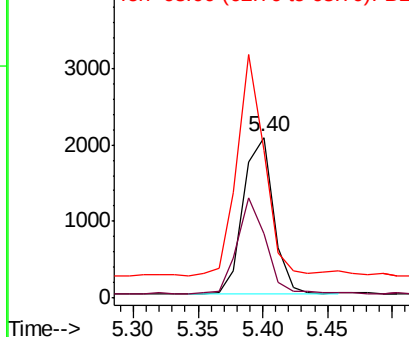
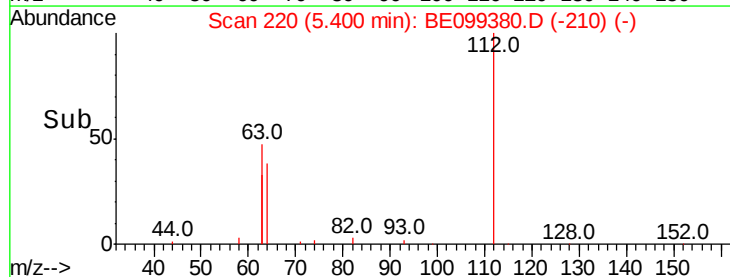


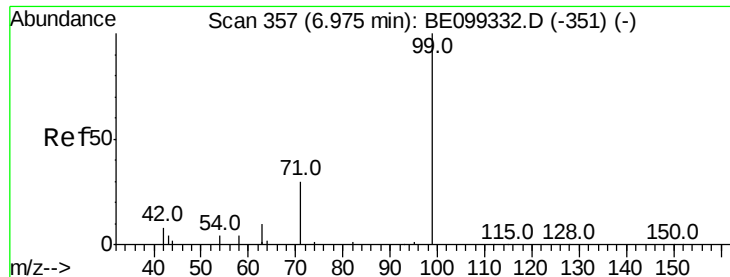
Abundance

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: 0.320 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099380.D

Acq: 26 Apr 2019 16:17

Instrument :

BNA_E

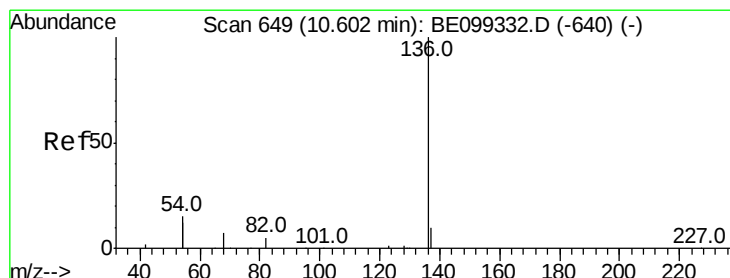
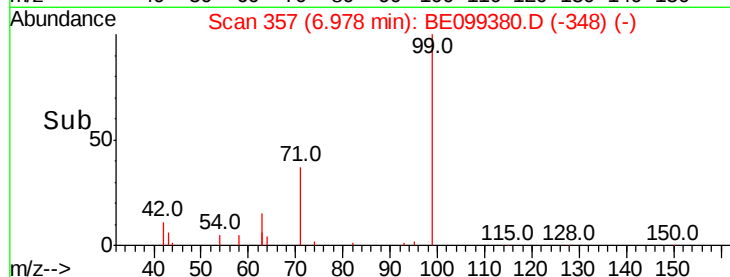
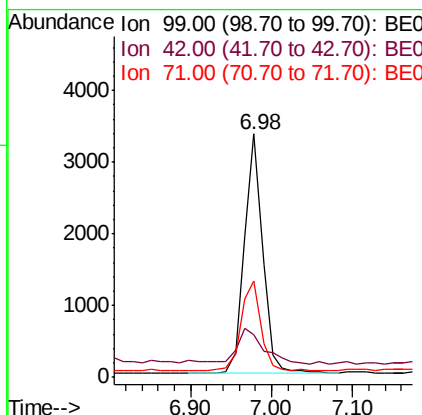
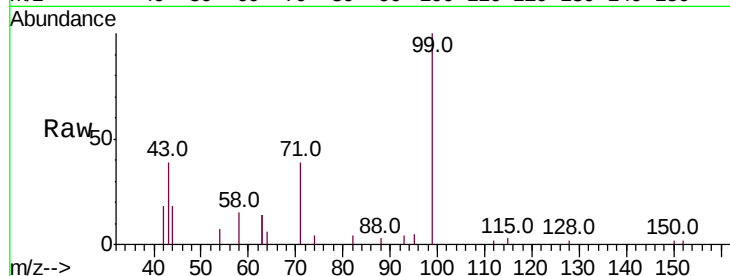
ClientSampleId :

PST-023-SW095-042319

Tot Ion	Ratio	Lower	Upper
99	100		
42	21.3	11.7	17.5#
71	41.4	29.6	44.4

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#7

Naphthalene-d8

Concen: 0.400 ng

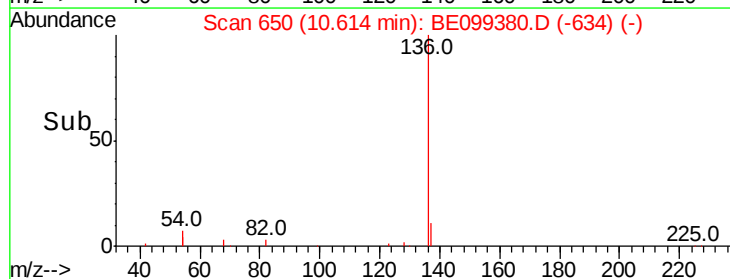
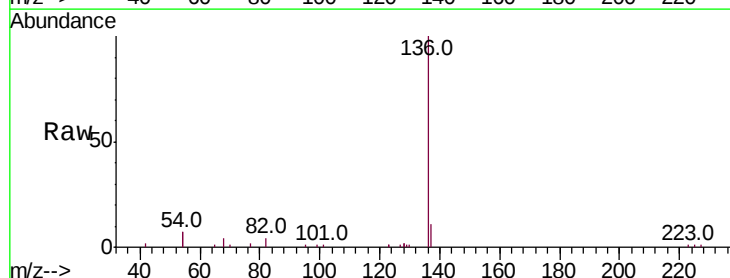
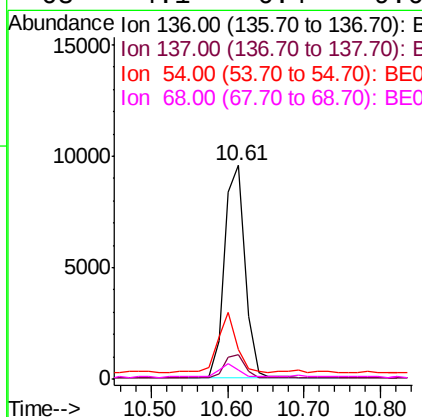
RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099380.D

Acq: 26 Apr 2019 16:17

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	13.9	23.8	35.8#
68	4.1	6.4	9.6#





#8

Nitrobenzene-d5

Concen: 0.305 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099380.D

Acq: 26 Apr 2019 16:17

Instrument :

BNA_E

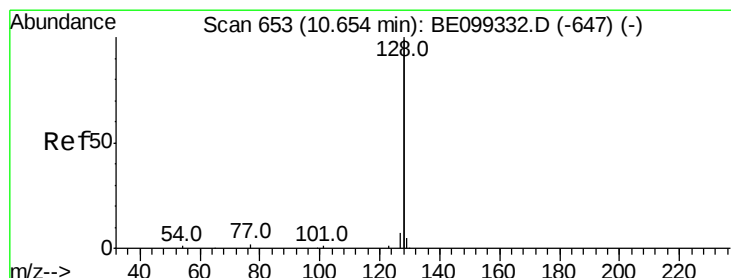
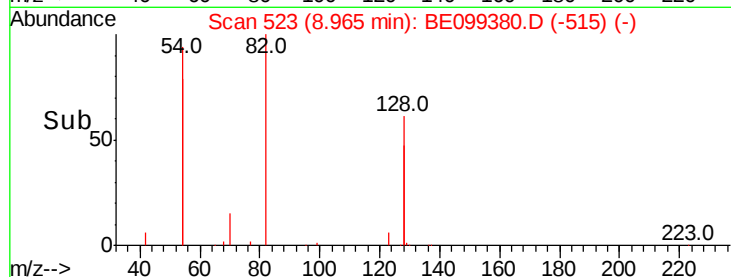
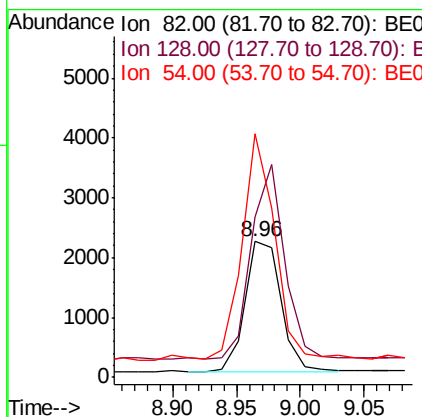
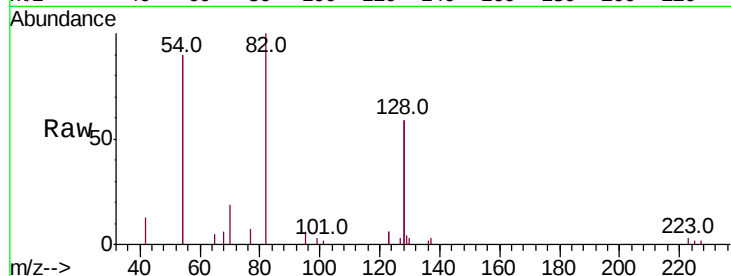
ClientSampleId :

PST-023-SW095-042319

Tot Ion:	82	Resp:	4228
Ion	Ratio	Lower	Upper
82	100		
128	117.8	91.7	137.5
54	179.4	122.8	184.2

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#9

Naphthalene

Concen: 0.045 ng

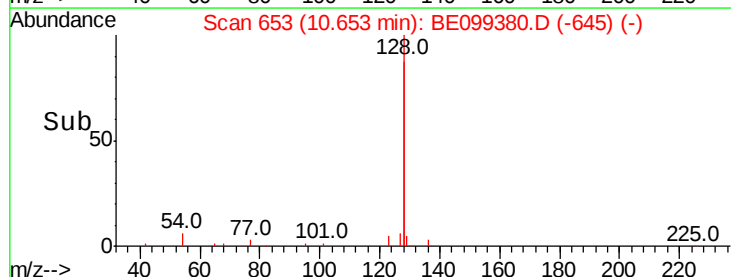
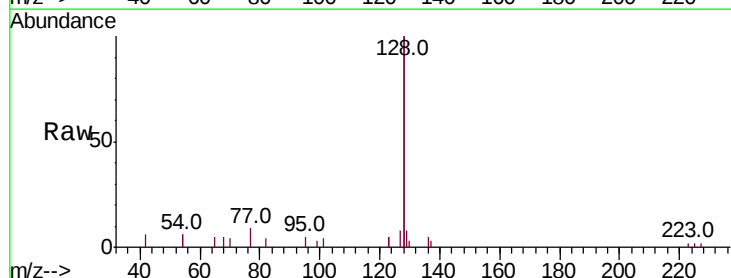
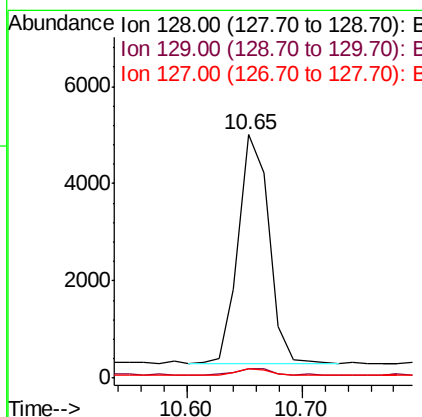
RT: 10.65 min Scan# 653

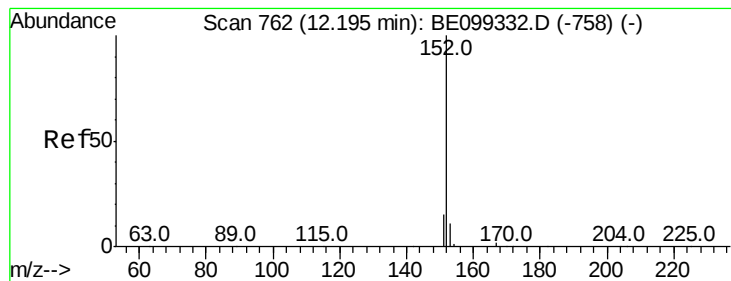
Delta R.T. -0.00 min

Lab File: BE099380.D

Acq: 26 Apr 2019 16:17

Tgt Ion:	128	Resp:	8731
Ion	Ratio	Lower	Upper
128	100		
129	4.0	2.3	3.5#
127	4.0	2.8	4.2





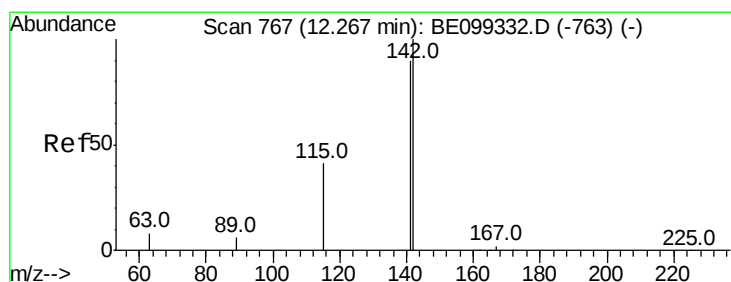
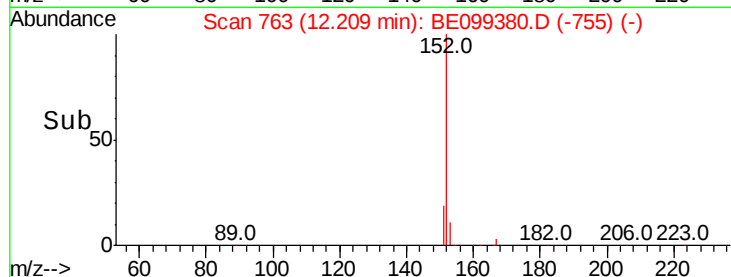
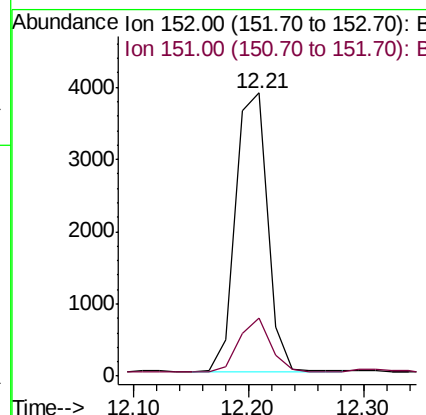
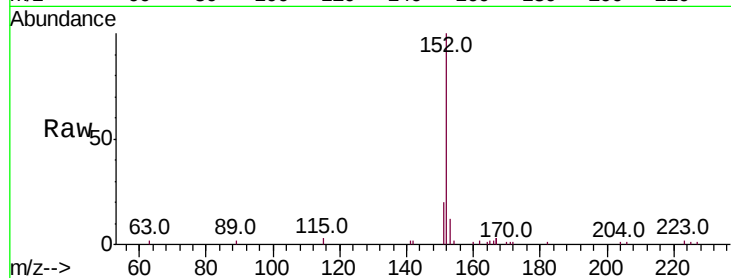
#11
 2-Methylnaphthalene-d10
 Concen: 0.236 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099380.D
 Acq: 26 Apr 2019 16:17

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW095-042319

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	14.9	22.3

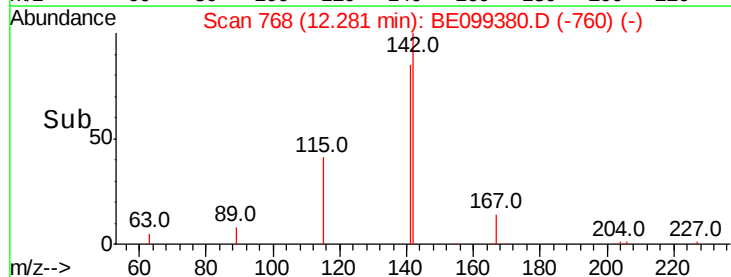
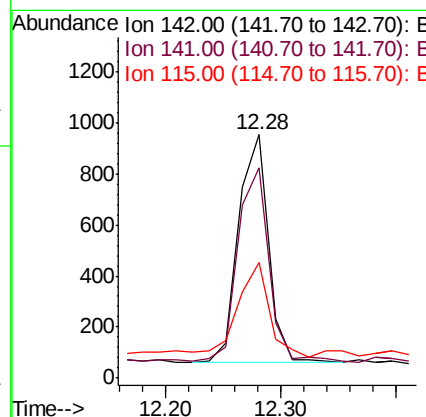
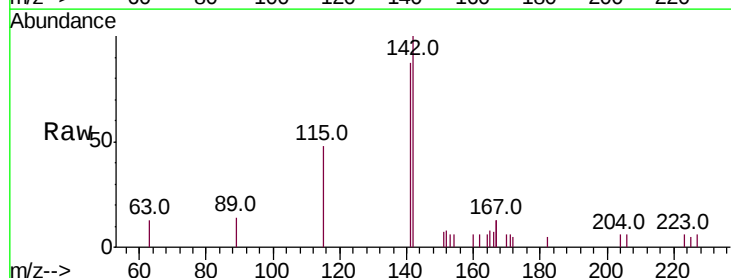
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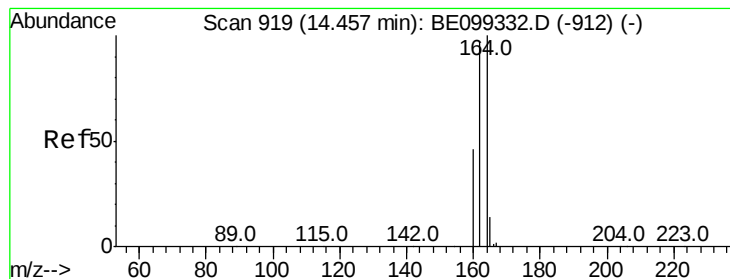
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#12
 2-Methylnaphthalene
 Concen: 0.049 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099380.D
 Acq: 26 Apr 2019 16:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.6	72.0	108.0
115	47.7	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: BE099380.D

Acq: 26 Apr 2019 16:17

Instrument :

BNA_E

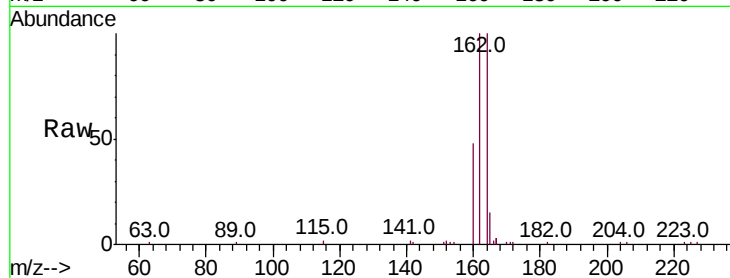
ClientSampleId :

PST-023-SW095-042319

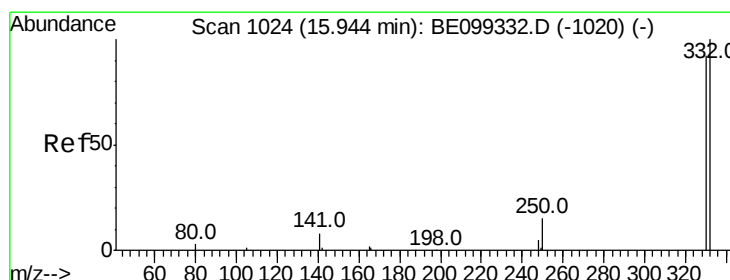
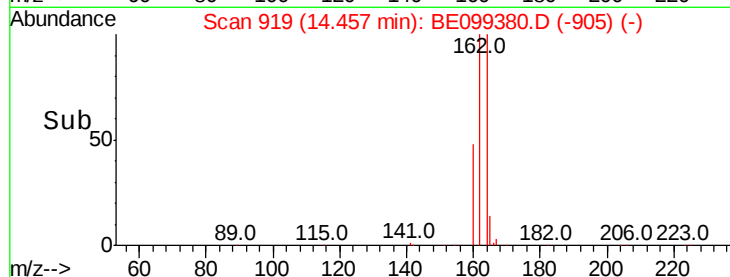
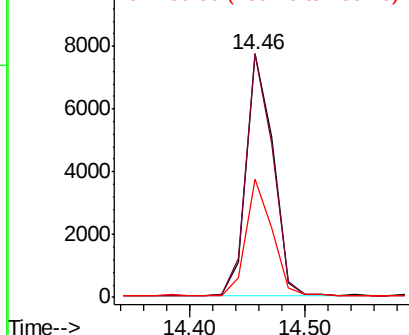
Tot Ion:	164	Resp:	12359
Ion Ratio	Lower	Upper	
164	100		
162	100.1	77.8	116.6
160	48.5	37.1	55.7

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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: 0.445 ng

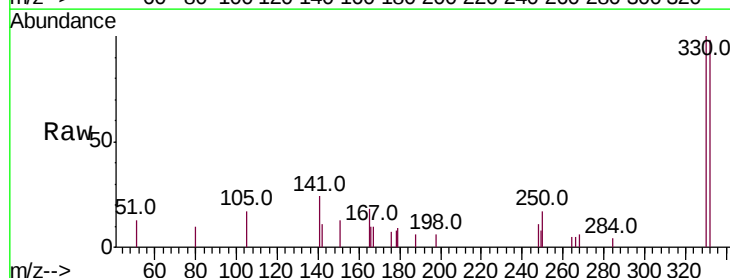
RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

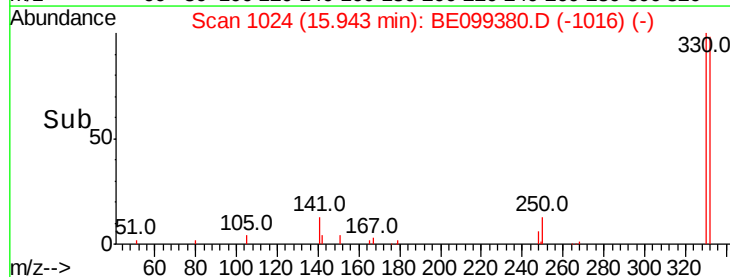
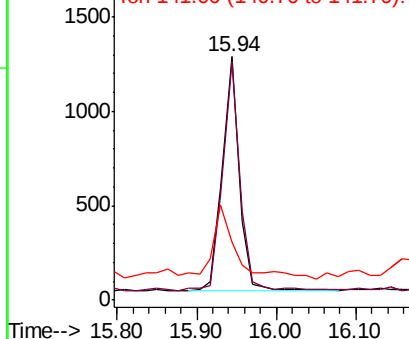
Lab File: BE099380.D

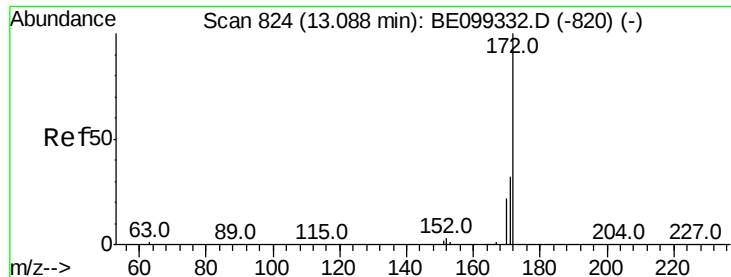
Acq: 26 Apr 2019 16:17

Tgt Ion:	330	Resp:	1828
Ion Ratio	Lower	Upper	
330	100		
332	99.2	82.5	123.7
141	32.6	24.9	37.3



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





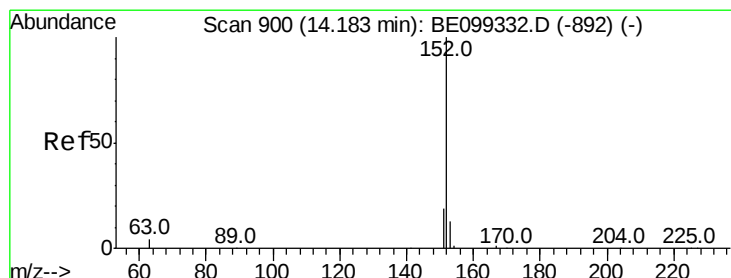
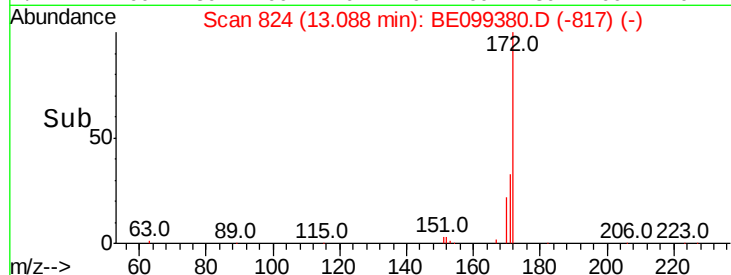
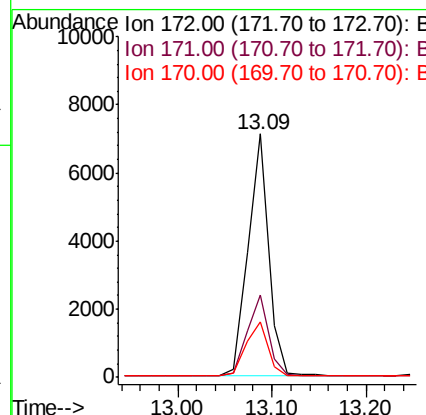
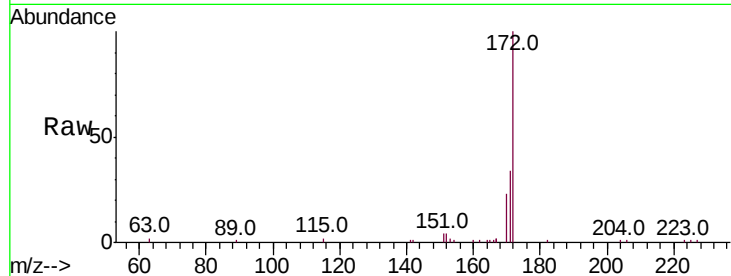
#15
 2-Fluorobiphenyl
 Concen: 0.221 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BE099380.D
 Acq: 26 Apr 2019 16:17

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW095-042319

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.8	26.2	39.2
170	22.6	18.1	27.1

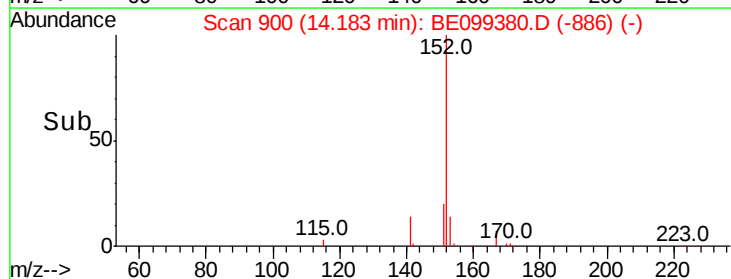
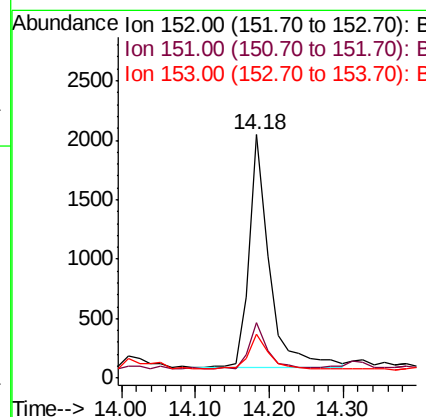
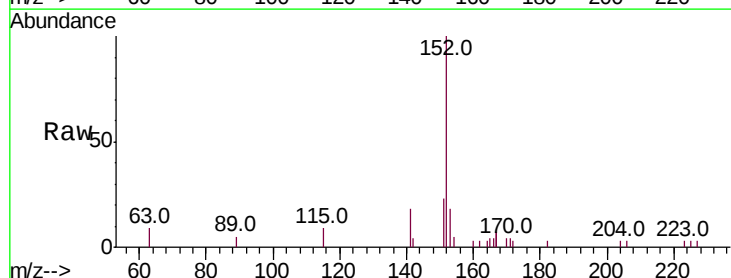
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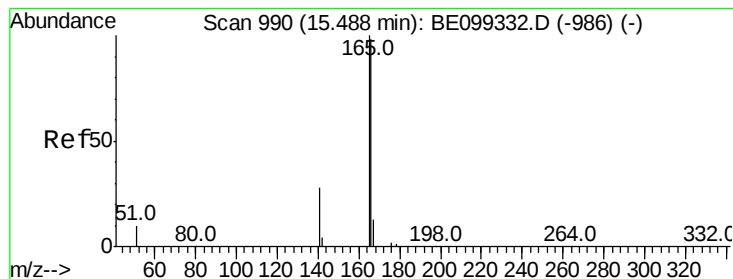
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#16
 Acenaphthylene
 Concen: 0.066 ng
 RT: 14.18 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: BE099380.D
 Acq: 26 Apr 2019 16:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	17.8	15.5	23.3
153	15.8	10.2	15.4#





#18

Fluorene

Concen: 0.026 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099380.D

Acq: 26 Apr 2019 16:17

Instrument :

BNA_E

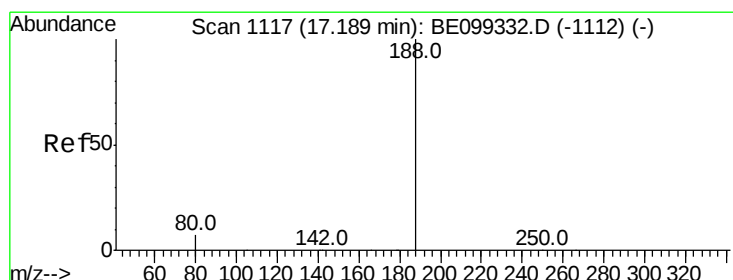
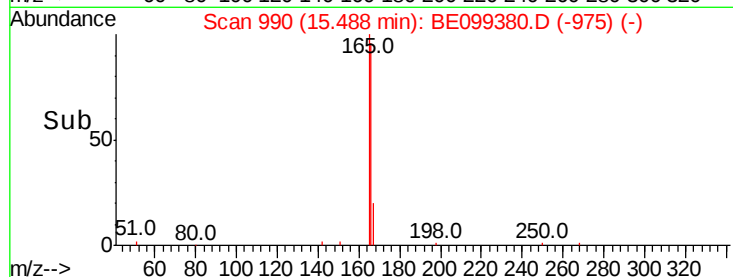
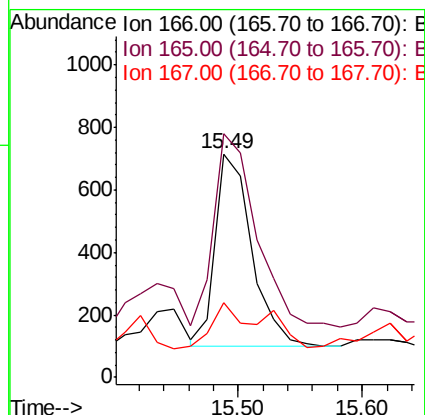
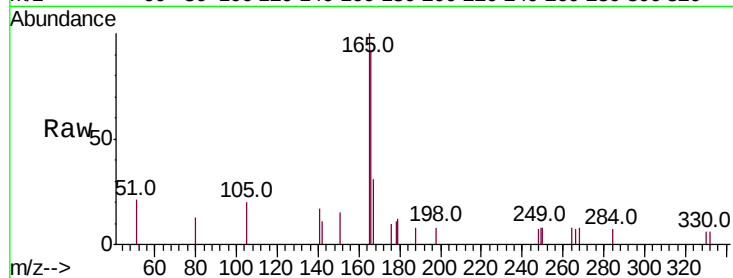
ClientSampleId :

PST-023-SW095-042319

Tot Ion:	166	Resp:	1267
Ion Ratio	Lower	Upper	
166	100		
165	115.5	79.7	119.5
167	35.3	11.0	16.4#

Manual Integrations
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#19

Phenanthrene-d10

Concen: 0.400 ng

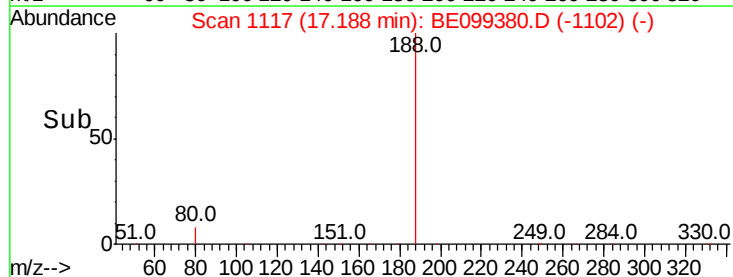
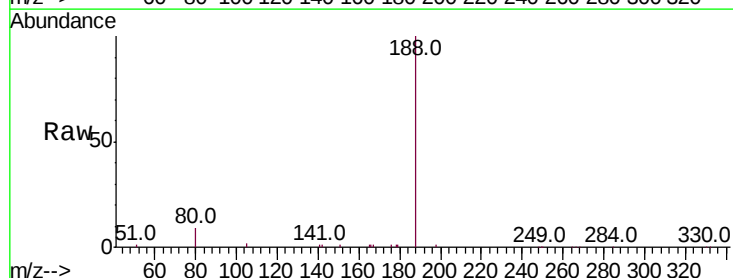
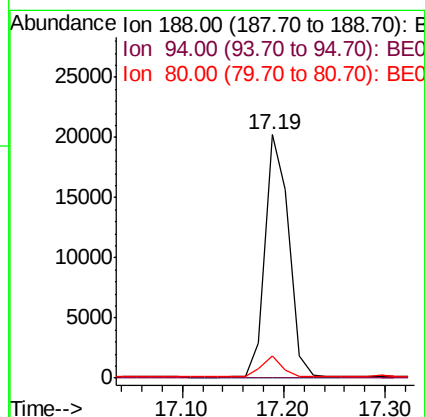
RT: 17.19 min Scan# 1117

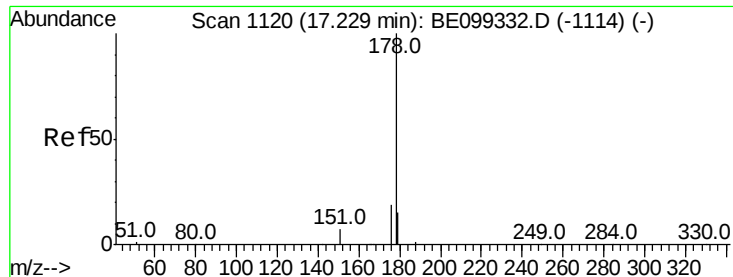
Delta R.T. -0.00 min

Lab File: BE099380.D

Acq: 26 Apr 2019 16:17

Tgt Ion:	188	Resp:	32677
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.0	6.2	9.4





#23

Phenanthrene

Concen: 0.418 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099380.D

Acq: 26 Apr 2019 16:17

Instrument :

BNA_E

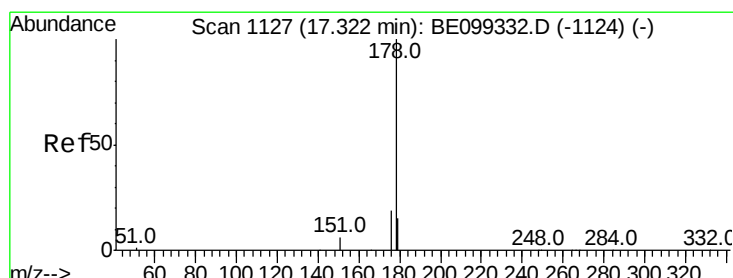
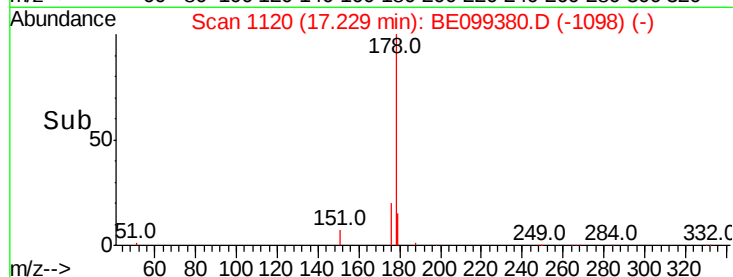
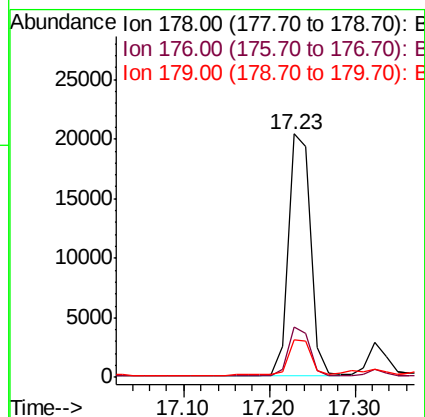
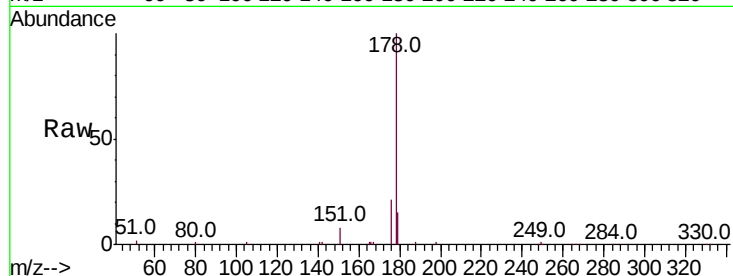
ClientSampleId :

PST-023-SW095-042319

Tot Ion:178	Resp:	36157
Ion Ratio	Lower	Upper
178	100	
176	19.8	15.3 22.9
179	15.1	12.4 18.6

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#24

Anthracene

Concen: 0.052 ng

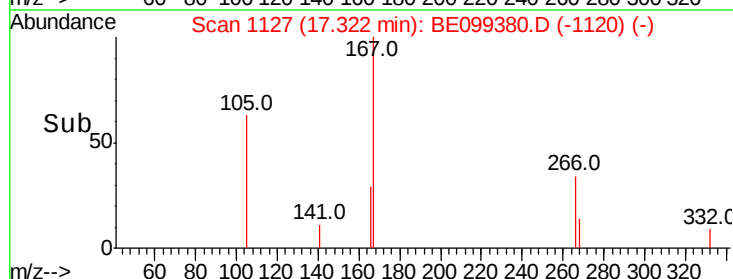
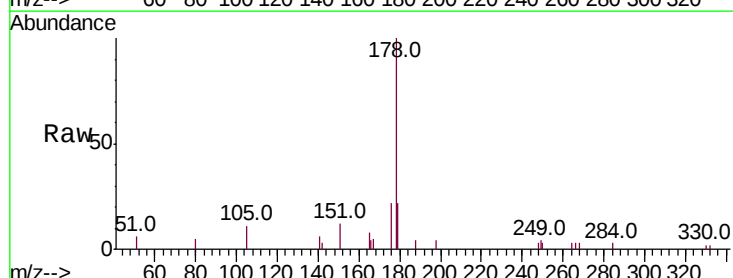
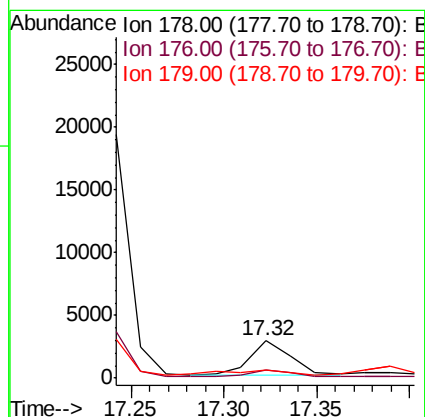
RT: 17.32 min Scan# 1127

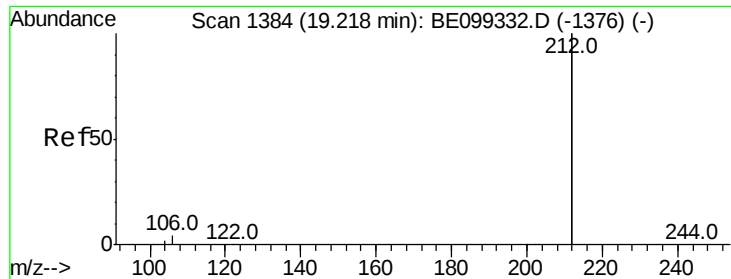
Delta R.T. -0.00 min

Lab File: BE099380.D

Acq: 26 Apr 2019 16:17

Tgt Ion:178	Resp:	3997
Ion Ratio	Lower	Upper
178	100	
176	19.5	15.1 22.7
179	21.3	11.9 17.9#





#25

Fluoranthene-d10

Concen: 0.197 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099380.D

Acq: 26 Apr 2019 16:17

Instrument :

BNA_E

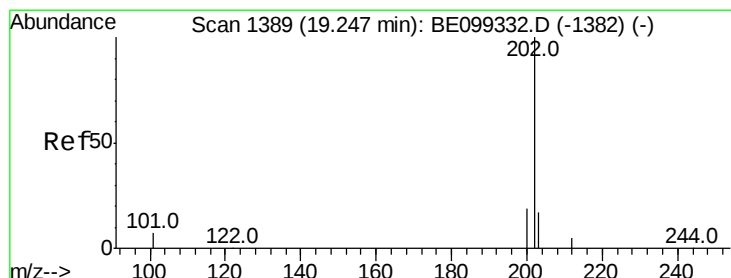
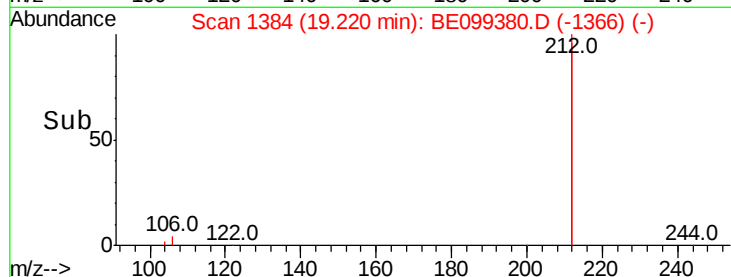
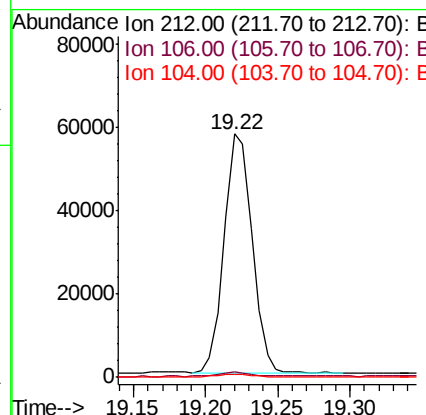
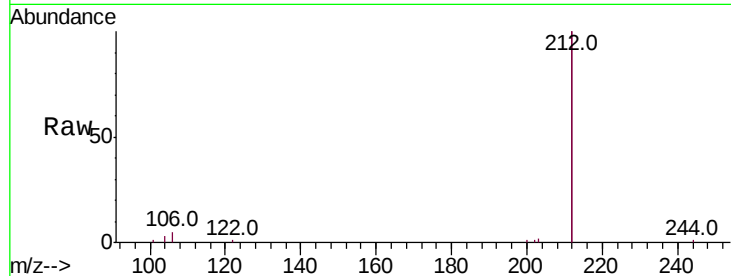
ClientSampleId :

PST-023-SW095-042319

Tot Ion:	212	Resp:	77331
Ion Ratio	Lower	Upper	
212	100		
106	2.0	1.8	2.6
104	1.2	1.0	1.4

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#26

Fluoranthene

Concen: 0.707 ng

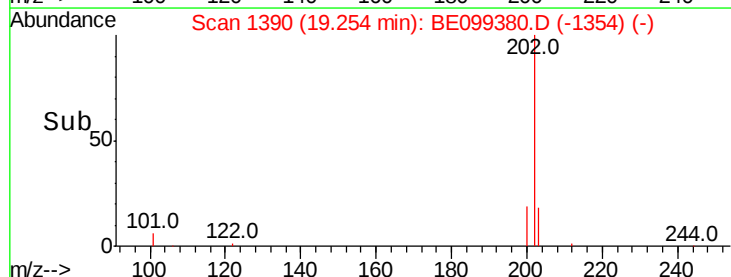
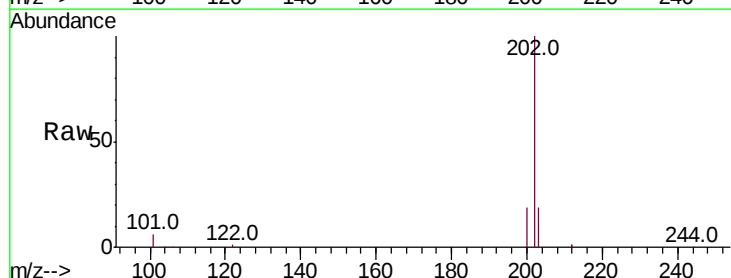
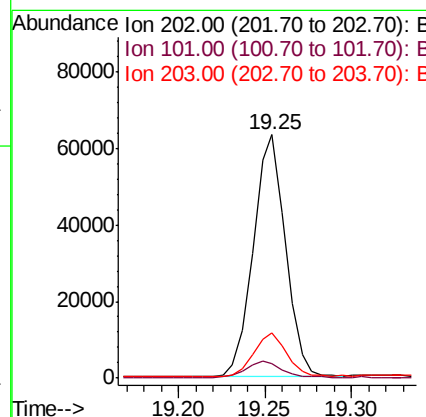
RT: 19.25 min Scan# 1390

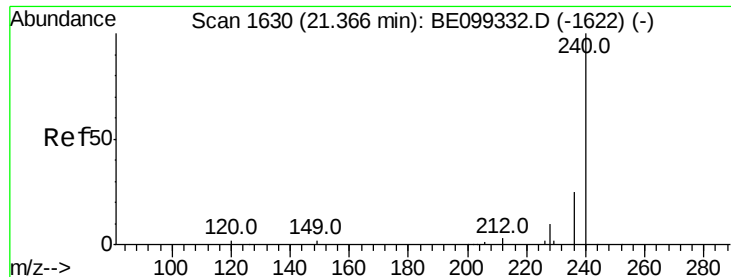
Delta R.T. 0.01 min

Lab File: BE099380.D

Acq: 26 Apr 2019 16:17

Tgt Ion:	202	Resp:	81838
Ion Ratio	Lower	Upper	
202	100		
101	6.9	6.4	9.6
203	18.0	13.5	20.3





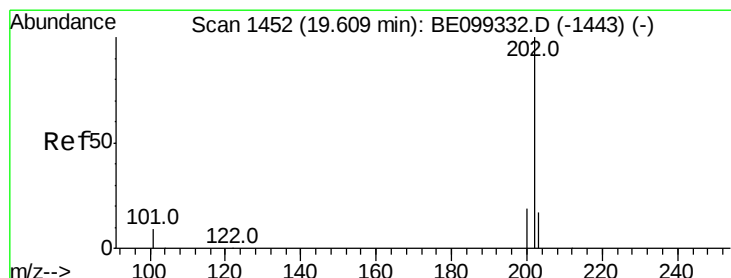
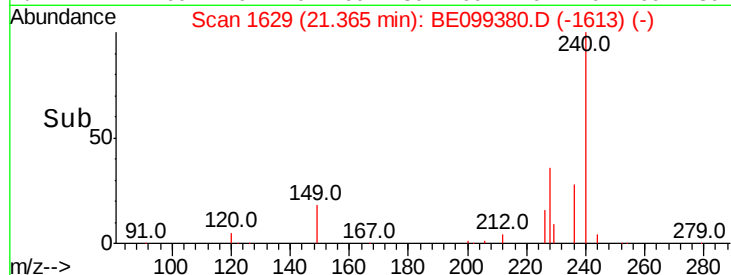
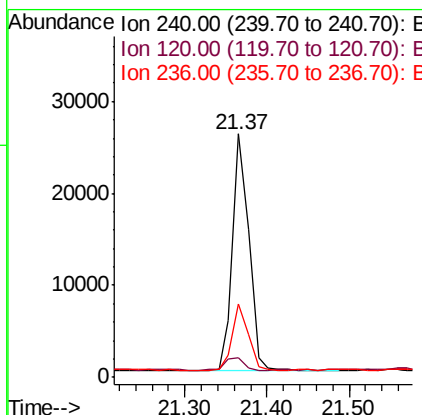
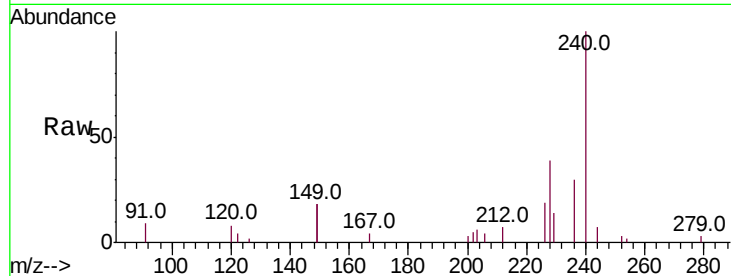
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099380.D
Acq: 26 Apr 2019 16:17

Instrument :
BNA_E
ClientSampleId :
PST-023-SW095-042319

Tot Ion:240 Resp: 35799
Ion Ratio Lower Upper
240 100
120 7.9 2.2 3.2#
236 30.0 20.2 30.4

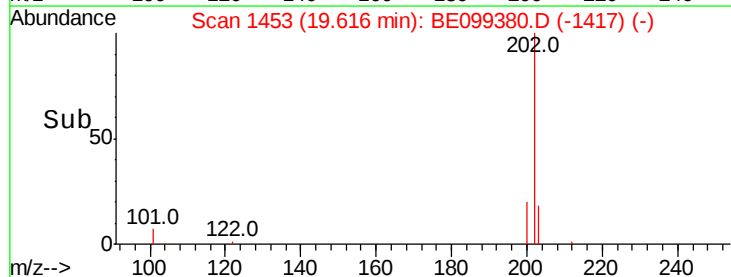
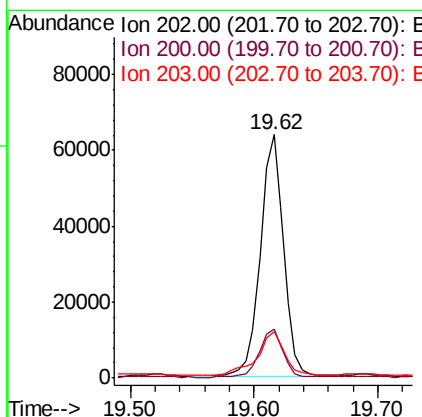
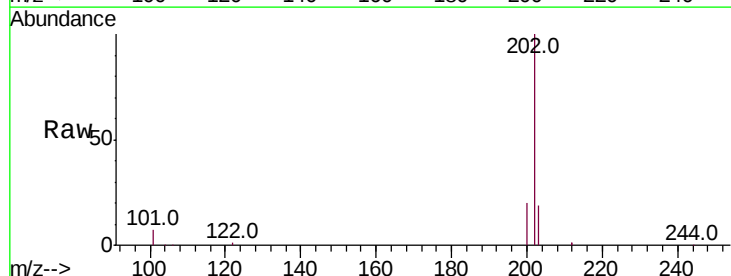
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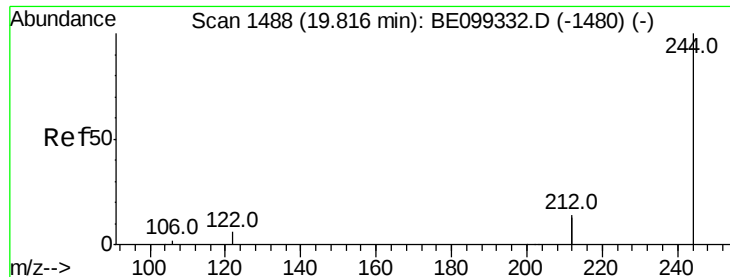
Sohil
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#28
Pyrene
Concen: 0.786 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE099380.D
Acq: 26 Apr 2019 16:17

Tgt Ion:202 Resp: 82891
Ion Ratio Lower Upper
202 100
200 20.1 15.7 23.5
203 21.3 13.7 20.5#





#29

Terphenyl-d14

Concen: 0.220 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099380.D

Acq: 26 Apr 2019 16:17

Instrument :

BNA_E

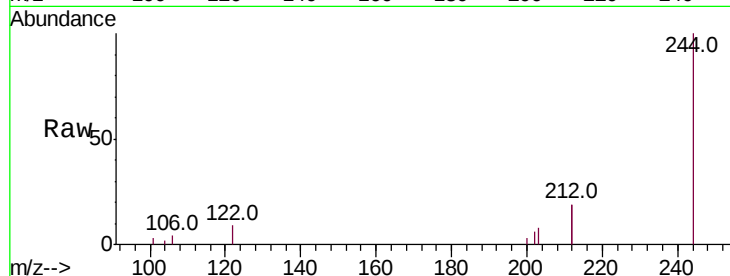
ClientSampleId :

PST-023-SW095-042319

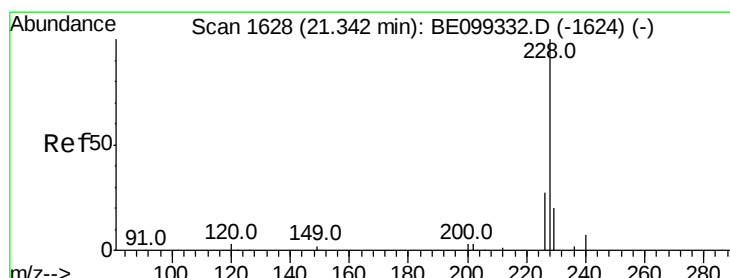
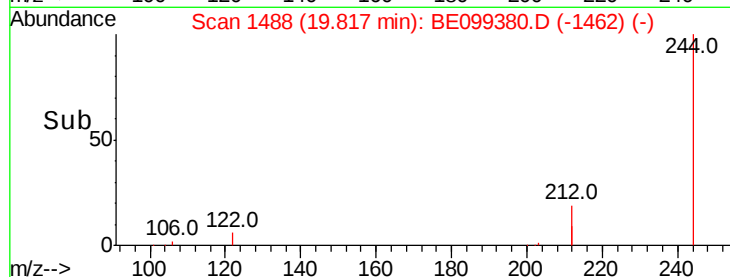
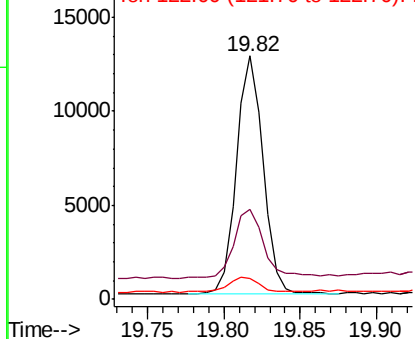
Tot Ion	Ratio	Lower	Upper
244	100		
212	37.2	22.6	33.8#
122	8.6	4.6	7.0#

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.509 ng

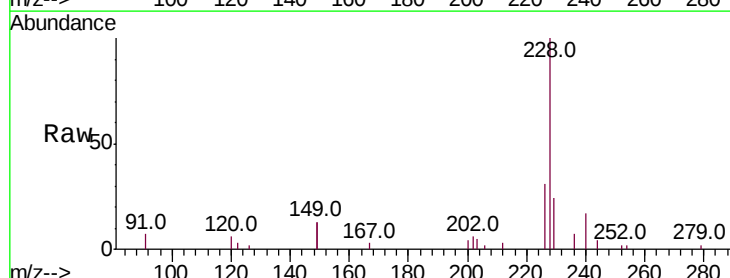
RT: 21.35 min Scan# 1628

Delta R.T. 0.01 min

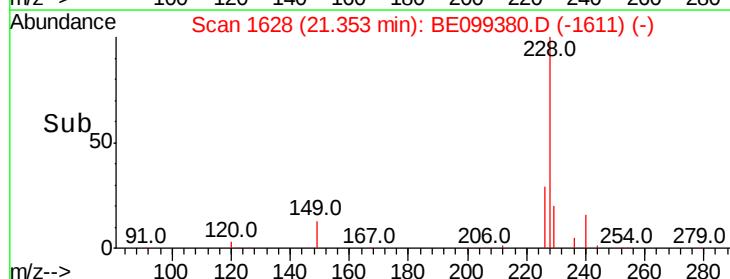
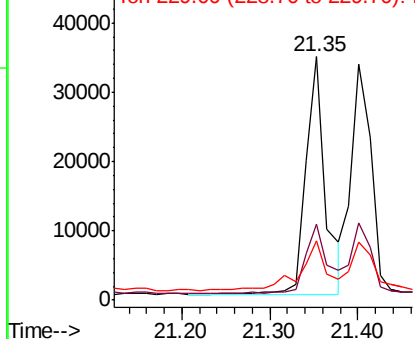
Lab File: BE099380.D

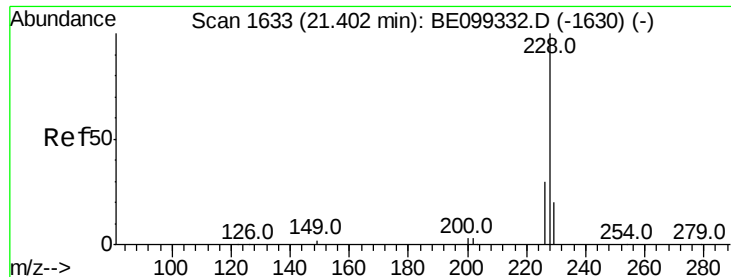
Acq: 26 Apr 2019 16:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.0	33.0
229	24.3	15.8	23.8#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.465 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099380.D

Acq: 26 Apr 2019 16:17

Instrument :

BNA_E

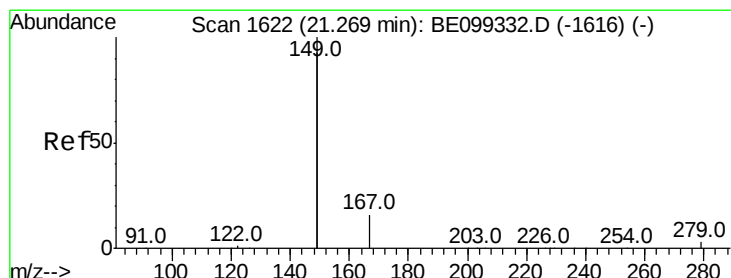
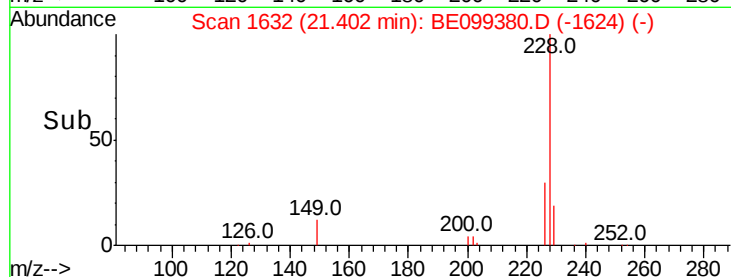
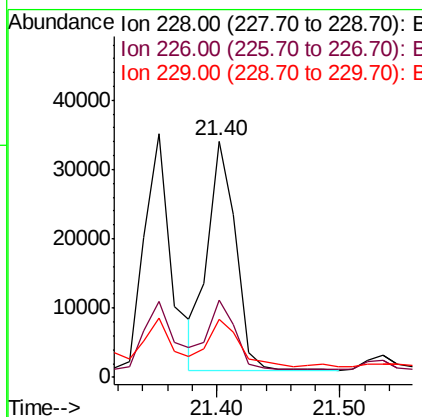
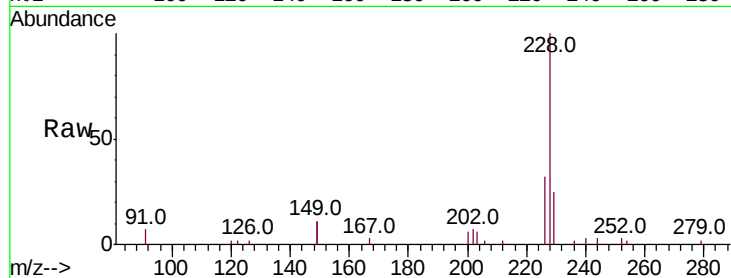
ClientSampleId :

PST-023-SW095-042319

Tot Ion:	228	Resp:	52036
Ion Ratio	Lower	Upper	
228	100		
226	32.5	23.4	35.2
229	24.8	16.2	24.2

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.547 ng

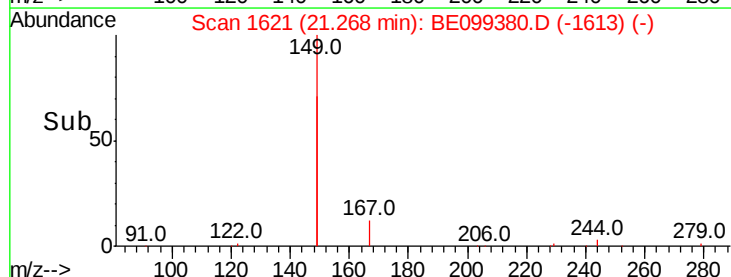
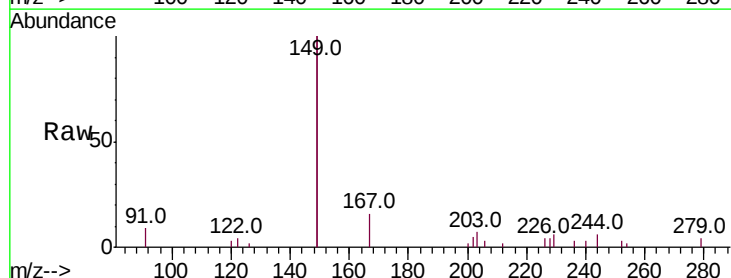
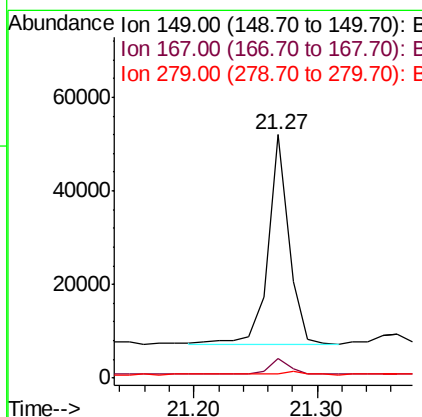
RT: 21.27 min Scan# 1621

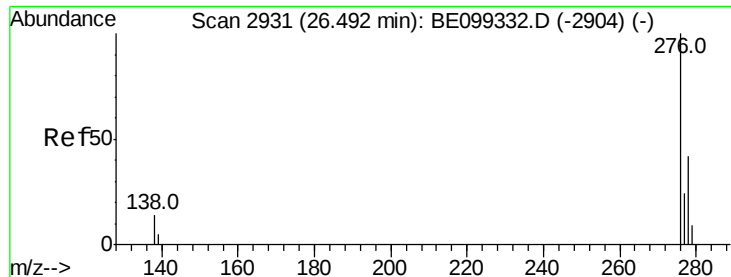
Delta R.T. -0.00 min

Lab File: BE099380.D

Acq: 26 Apr 2019 16:17

Tgt Ion:	149	Resp:	52387
Ion Ratio	Lower	Upper	
149	100		
167	7.0	6.0	9.0
279	1.5	1.1	1.7





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.240 ng

RT: 26.52 min Scan# 2938

Delta R.T. 0.03 min

Lab File: BE099380.D

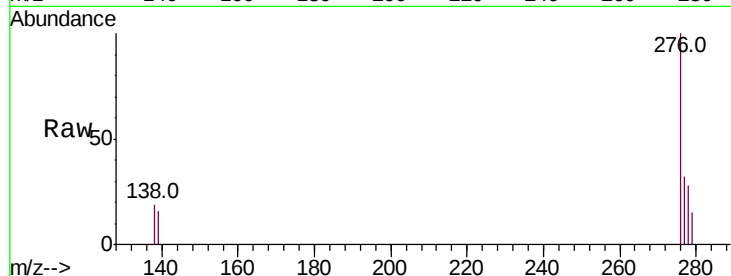
Acq: 26 Apr 2019 16:17

Instrument :

BNA_E

ClientSampleId :

PST-023-SW095-042319



Tot Ion:276 Resp: 26599

Ion Ratio Lower Upper

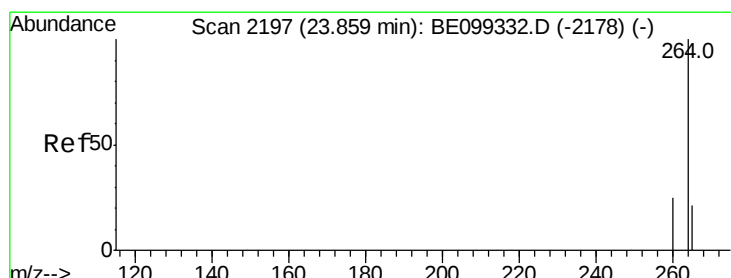
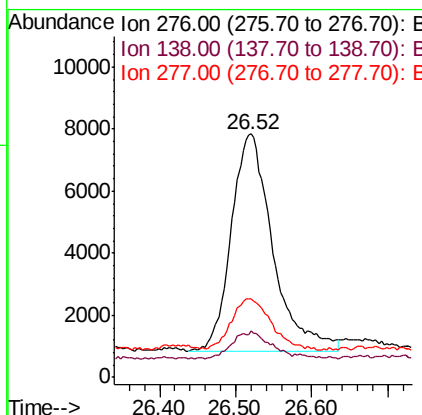
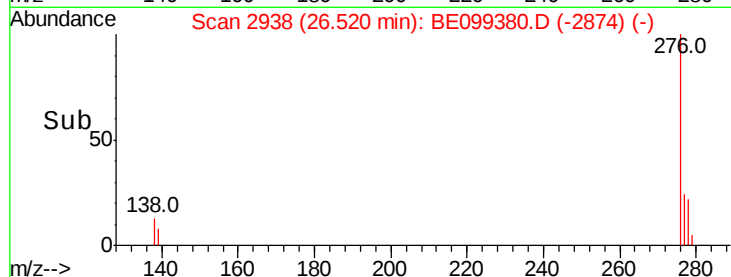
276 100

138 11.2 12.7 19.1#

277 21.5 19.6 29.4

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#34

Perylene-d12

Concen: 0.400 ng

RT: 23.87 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BE099380.D

Acq: 26 Apr 2019 16:17

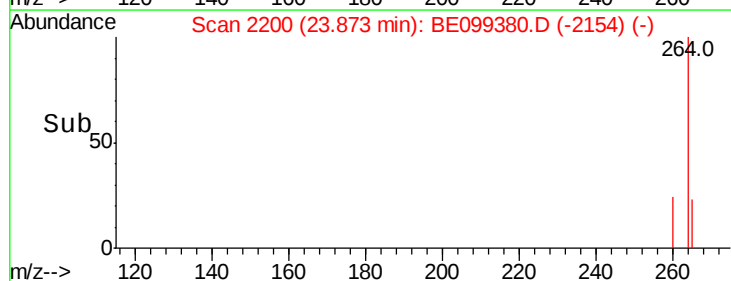
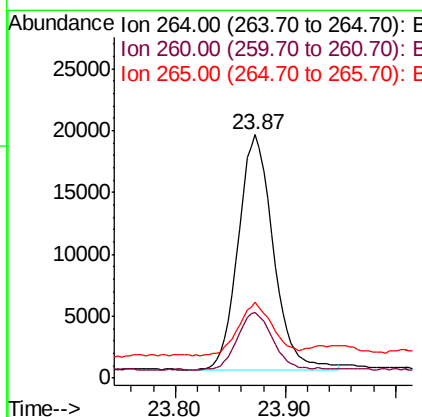
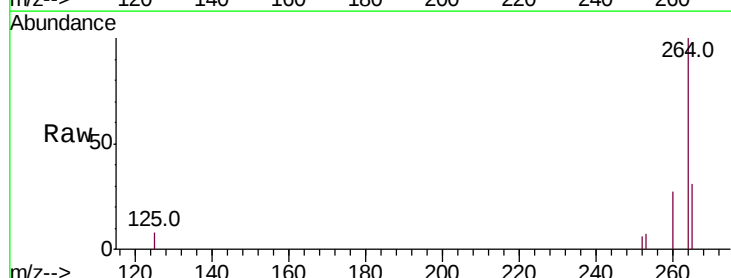
Tgt Ion:264 Resp: 42044

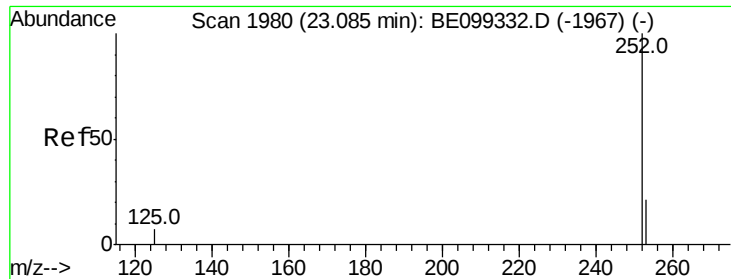
Ion Ratio Lower Upper

264 100

260 26.9 20.1 30.1

265 31.0 19.9 29.9#





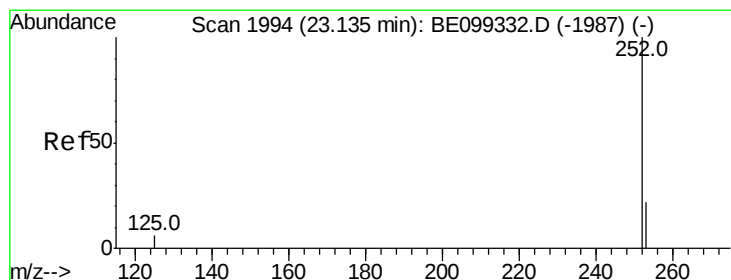
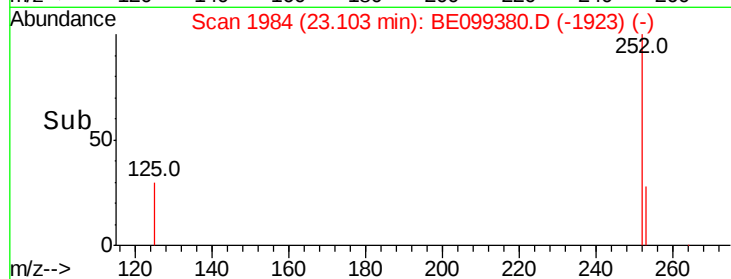
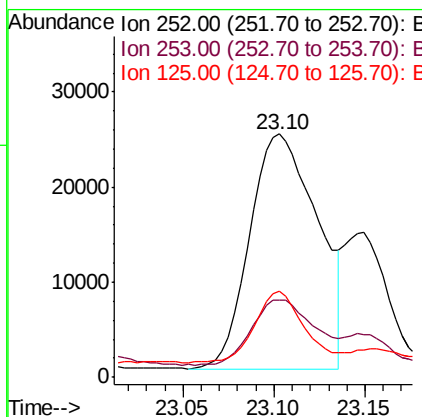
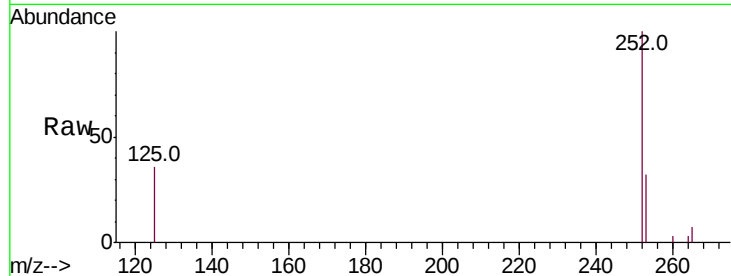
#35
Benzo(b)fluoranthene
Concen: 0.500 ng
RT: 23.10 min Scan# 1984
Delta R.T. 0.02 min
Lab File: BE099380.D
Acq: 26 Apr 2019 16:17

Instrument :
BNA_E
ClientSampleId :
PST-023-SW095-042319

Tot Ion:252 Resp: 64361
Ion Ratio Lower Upper
252 100
253 32.0 17.3 25.9#
125 35.6 5.8 8.6#

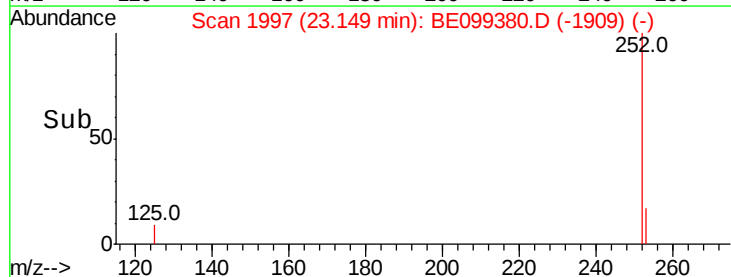
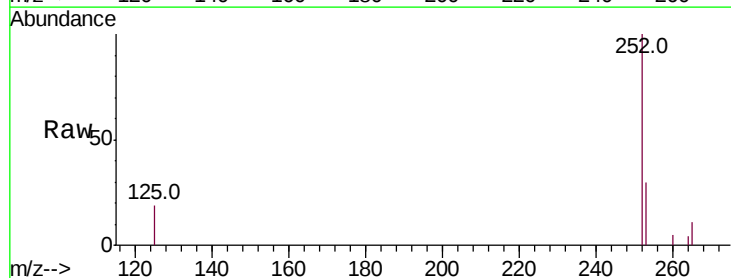
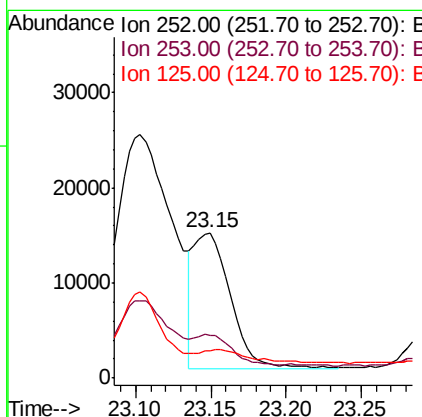
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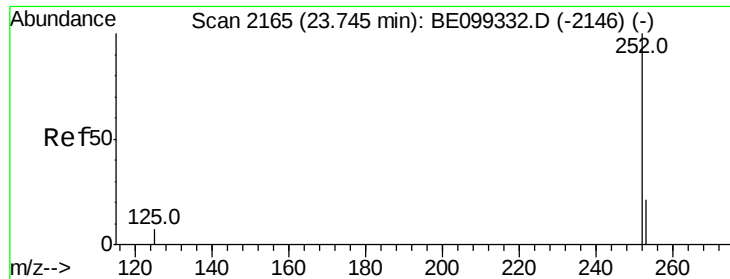
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#36
Benzo(k)fluoranthene
Concen: 0.189 ng m
RT: 23.15 min Scan# 1997
Delta R.T. 0.01 min
Lab File: BE099380.D
Acq: 26 Apr 2019 16:17

Tgt Ion:252 Resp: 24236
Ion Ratio Lower Upper
252 100
253 29.5 18.4 27.6#
125 19.0 5.4 8.0#





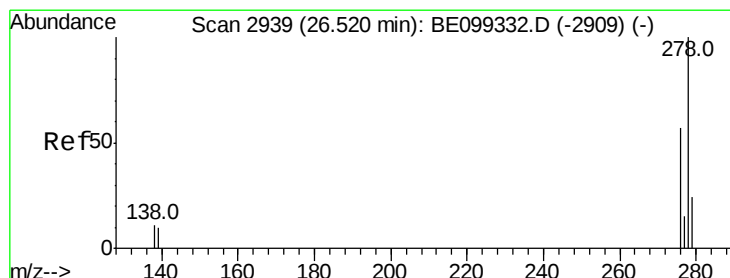
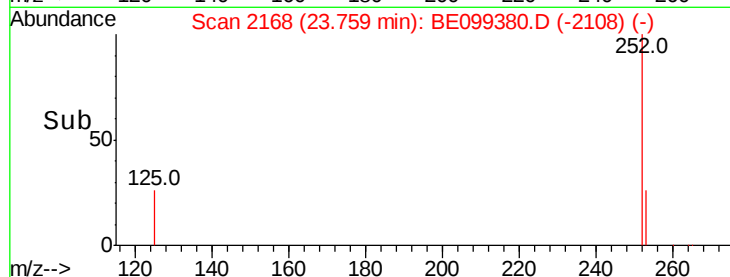
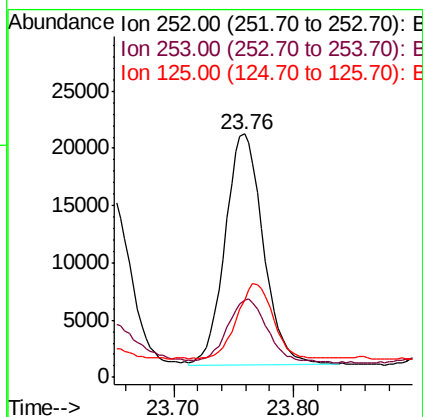
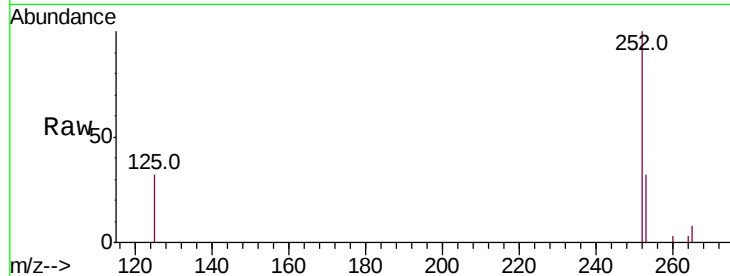
#37
Benzo(a)pyrene
Concen: 0.386 ng
RT: 23.76 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BE099380.D
Acq: 26 Apr 2019 16:17

Instrument :
BNA_E
ClientSampleId :
PST-023-SW095-042319

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.6	17.6	26.4#
125	31.9	6.5	9.7#

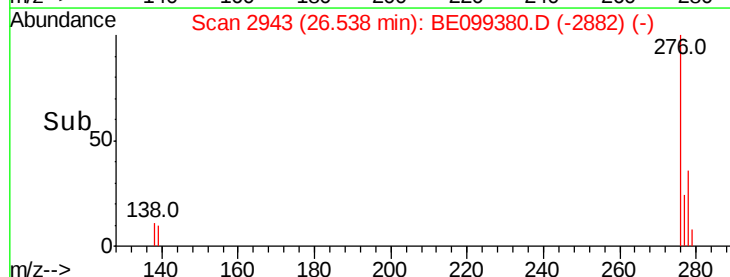
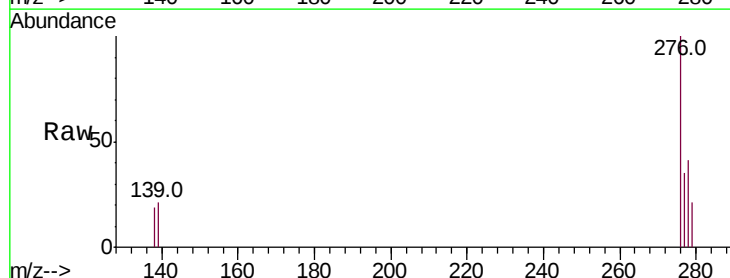
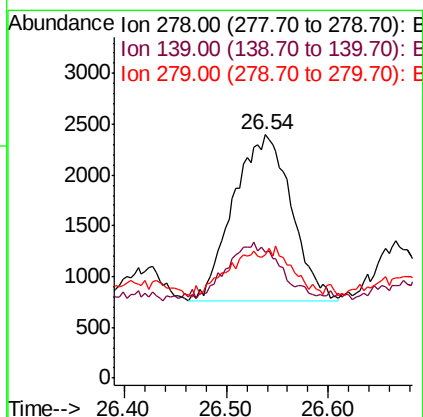
Manual Integrations
APPROVED

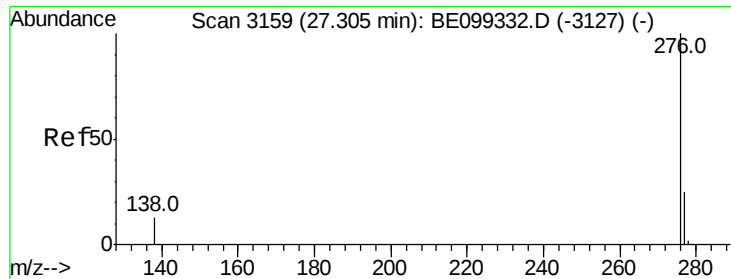
Sohil
4/29/2019 1:28:39 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.055 ng
RT: 26.54 min Scan# 2943
Delta R.T. 0.02 min
Lab File: BE099380.D
Acq: 26 Apr 2019 16:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	51.8	8.5	12.7#
279	50.7	19.8	29.8#





#39

Benzo(a,h,i)perylene

Concen: 0.199 ng

RT: 27.34 min Scan# 3168

Delta R.T. 0.04 min

Lab File: BE099380.D

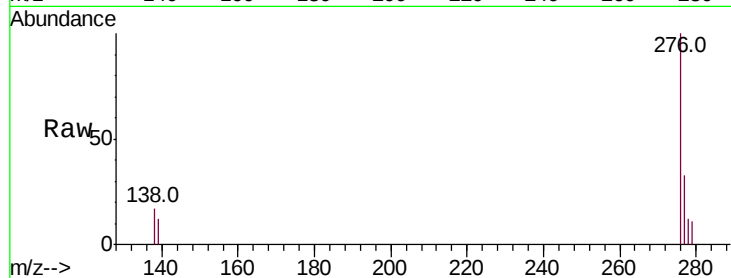
Acq: 26 Apr 2019 16:17

Instrument :

BNA_E

ClientSampleId :

PST-023-SW095-042319



Tot Ion:	276	Resp:	23724
Ion Ratio	Lower	Upper	
276	100		
277	32.8	20.0	30.0#
138	17.1	11.1	16.7#

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