

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099383.D
 Acq On : 26 Apr 2019 18:05
 Operator : JU/SJ
 Sample : K2569-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-SW093-042319

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:28:45 PM

Quant Time: Apr 27 06:41:43 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	4082	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	16341	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	11539	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	30701	0.40	ng	0.00
27) Chrysene-d12	21.37	240	34056	0.40	ng	0.00
34) Perylene-d12	23.87	264	39724	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	4560	0.46	ng	0.01
5) Phenol-d6	6.98	99	7127	0.50	ng	0.00
8) Nitrobenzene-d5	8.96	82	5852	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	10926	0.38	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2557	0.67	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	16296	0.36	ng	0.00
25) Fluoranthene-d10	19.22	212	135930	0.37	ng	0.00
29) Terphenyl-d14	19.82	244	29281	0.44	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	37142	0.208	ng	100
12) 2-Methylnaphthalene	12.28	142	12044	0.397	ng	96
16) Acenaphthylene	14.18	152	4478	0.086	ng	97
17) Acenaphthene	14.53	154	1916	0.060	ng	96
18) Fluorene	15.49	166	5002	0.108	ng	93
23) Phenanthrene	17.23	178	68913	0.848	ng	99
24) Anthracene	17.32	178	7318	0.101	ng	# 83
26) Fluoranthene	19.25	202	93918	0.863	ng	98
28) Pyrene	19.62	202	81842	0.816	ng	# 96
30) Benzo(a)anthracene	21.35	228	43247	0.432	ng	96
31) Chrysene	21.40	228	41712	0.391	ng	94
32) Bis(2-ethylhexyl)phthalate	21.27	149	32460	0.356	ng	100
33) Indeno(1,2,3-cd)pyrene	26.52	276	20733	0.197	ng	# 88
35) Benzo(b)fluoranthene	23.10	252	48323	0.397	ng	# 88
36) Benzo(k)fluoranthene	23.15	252	21832m	0.180	ng	
37) Benzo(a)pyrene	23.76	252	35038	0.322	ng	# 86
38) Dibenzo(a,h)anthracene	26.55	278	5647	0.051	ng	# 56
39) Benzo(a,h,i)perylene	27.33	276	17560	0.156	ng	# 91

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

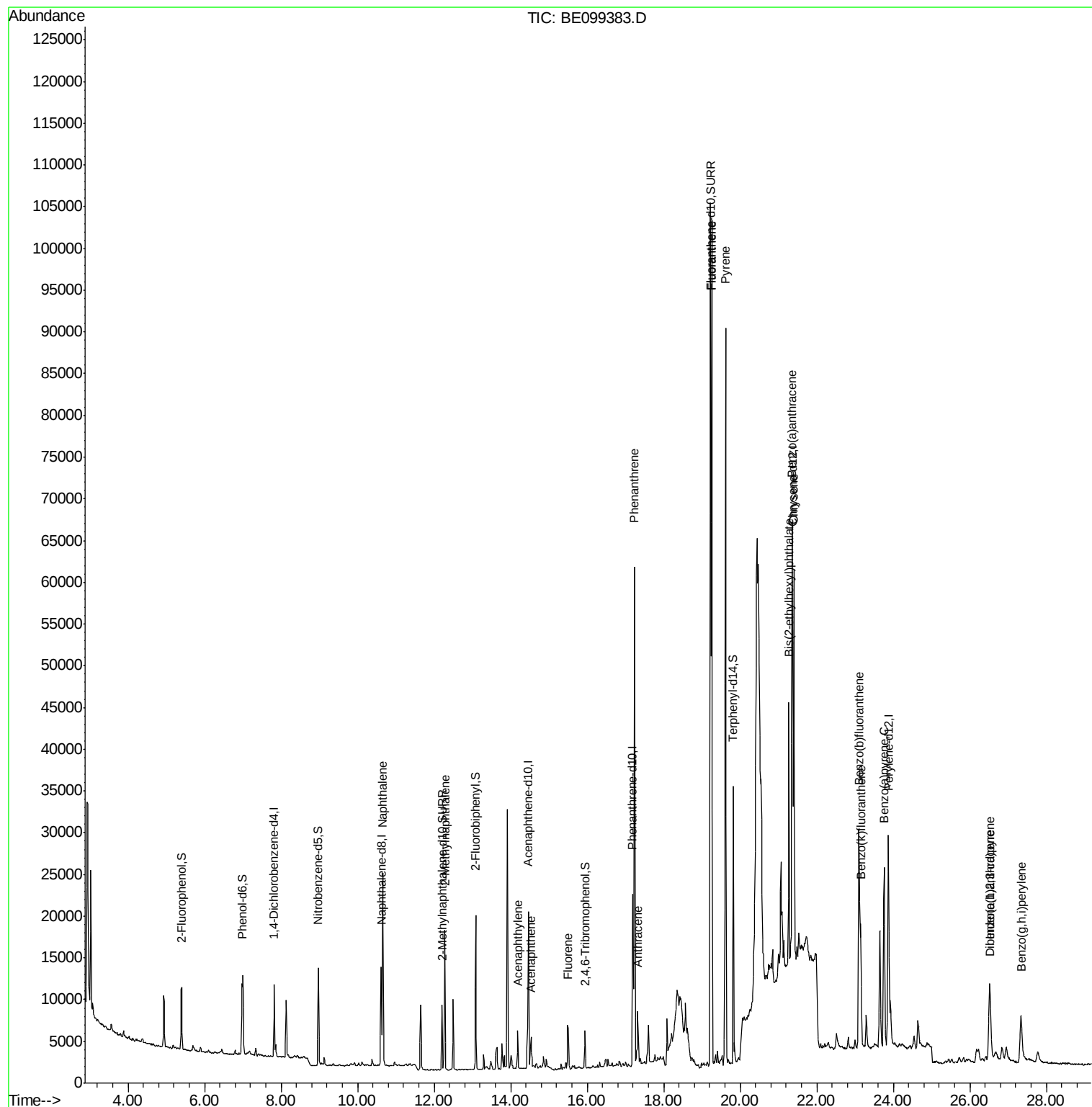
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
Data File : BE099383.D
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ALS Vial : 15 Sample Multiplier: 1

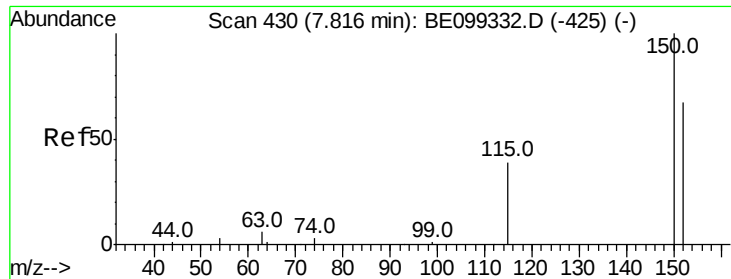
Instrument :
BNA_E
ClientSampleId :
PST-003-SW093-042319

Manual Integrations
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Quant Time: Apr 27 06:41:43 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

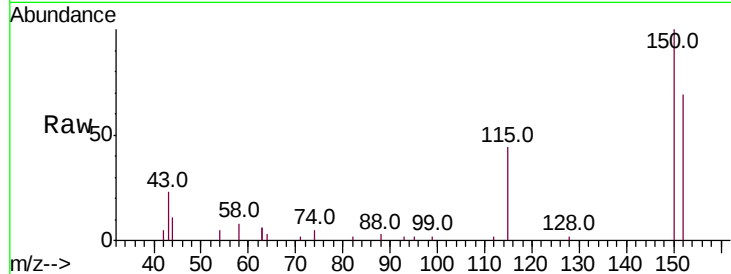
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099383.D
Acq: 26 Apr 2019 18:05

Instrument :
BNA_E
ClientSampleId :
PST-003-SW093-042319

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.7	119.5	179.3
115	63.5	47.5	71.3

Manual Integrations
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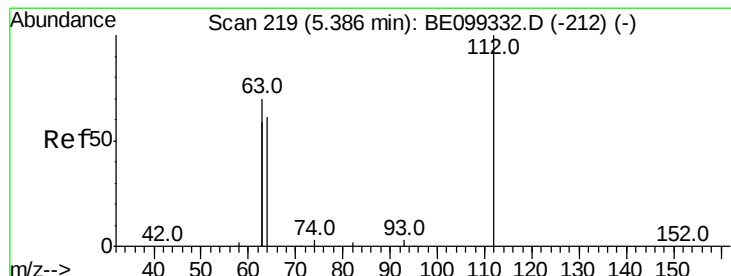
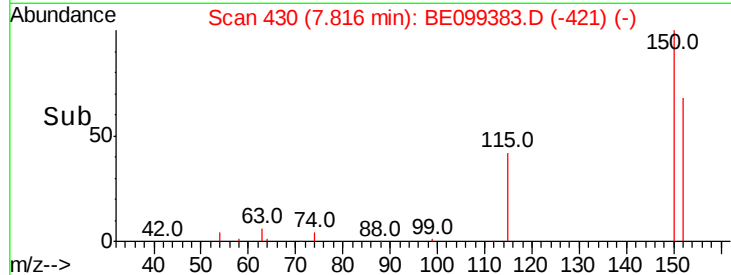
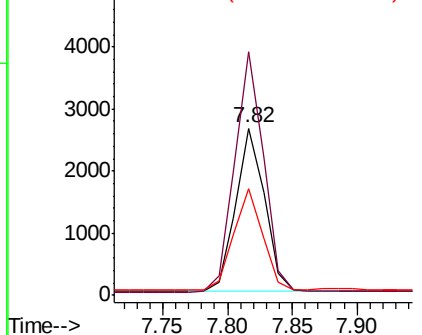


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

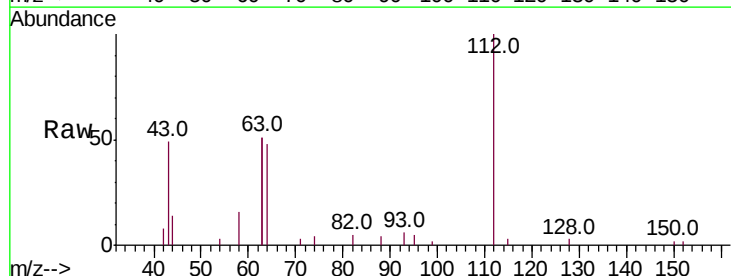
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.457 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE099383.D
Acq: 26 Apr 2019 18:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	44.9	67.3
63	124.8	97.4	146.0

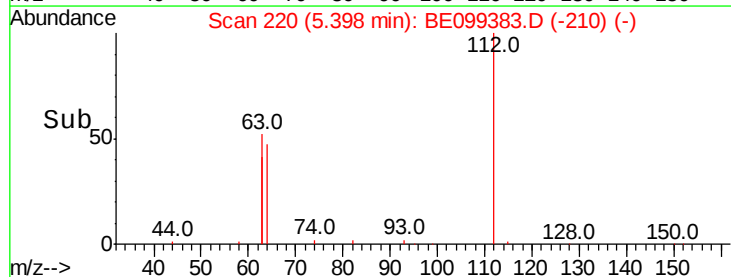
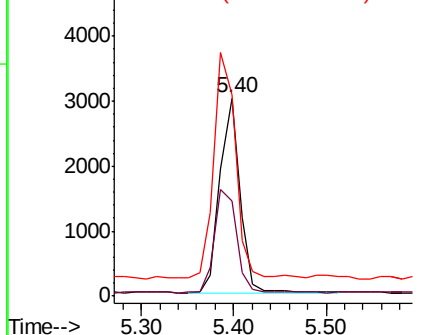


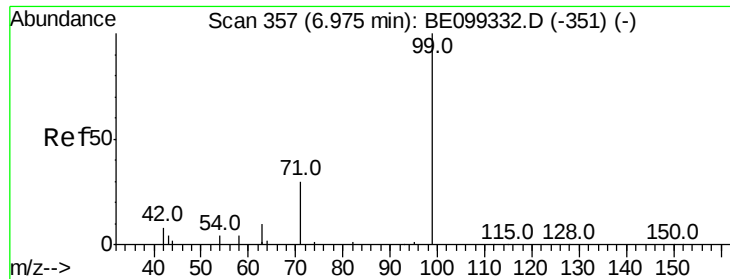
Abundance

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: 0.501 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099383.D

Acq: 26 Apr 2019 18:05

Instrument :

BNA_E

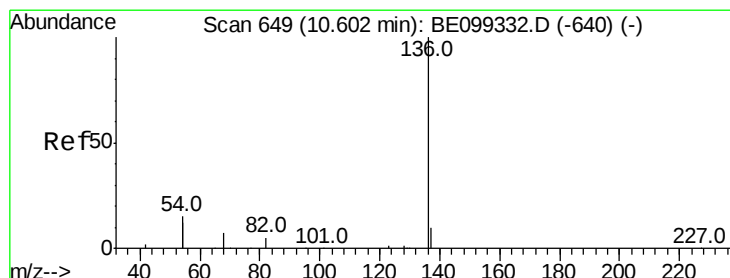
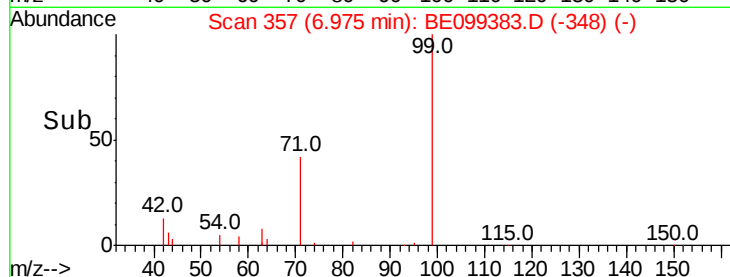
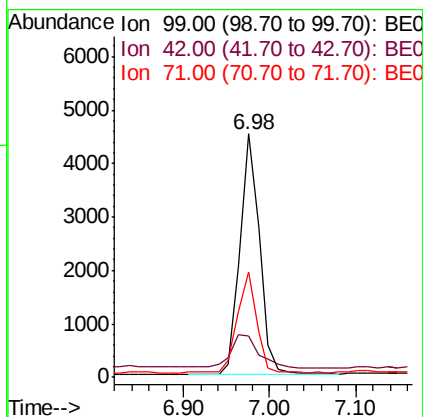
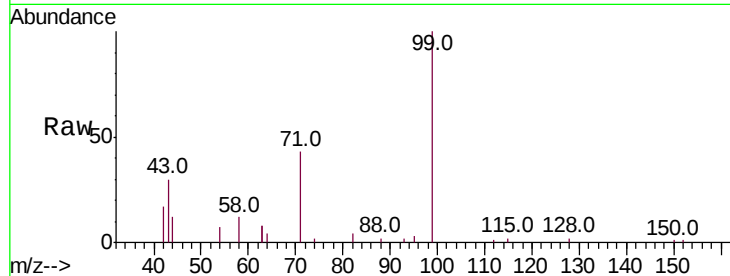
ClientSampleId :

PST-003-SW093-042319

Tot Ion:	99	Resp:	7127
Ion Ratio	Lower	Upper	
99	100		
42	19.7	11.7	17.5#
71	41.3	29.6	44.4

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#7

Naphthalene-d8

Concen: 0.400 ng

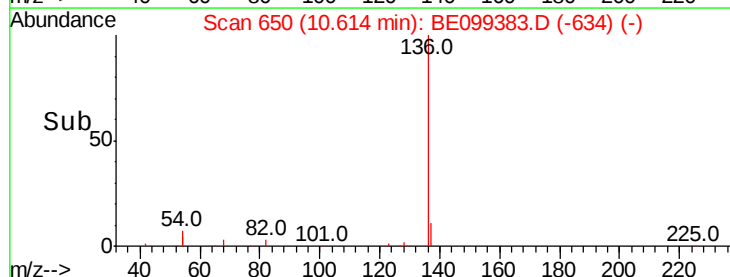
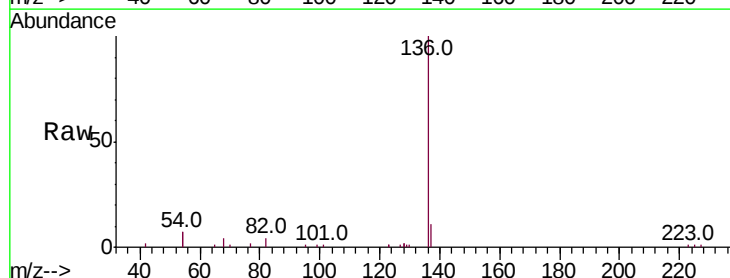
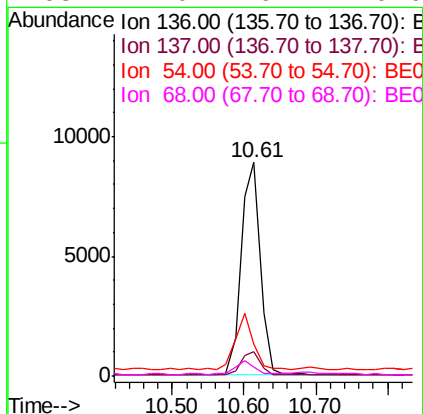
RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099383.D

Acq: 26 Apr 2019 18:05

Tgt Ion:	136	Resp:	16341
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	14.8	23.8	35.8#
68	4.0	6.4	9.6#





#8

Nitrobenzene-d5

Concen: 0.461 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099383.D

Acq: 26 Apr 2019 18:05

Instrument :

BNA_E

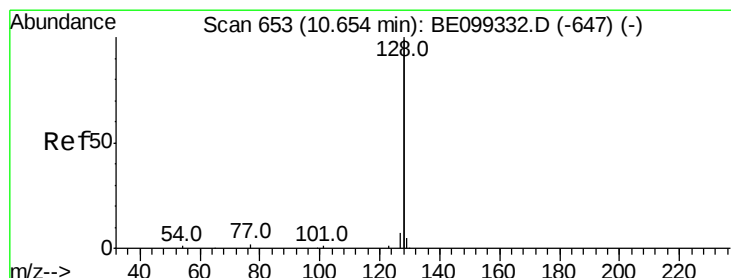
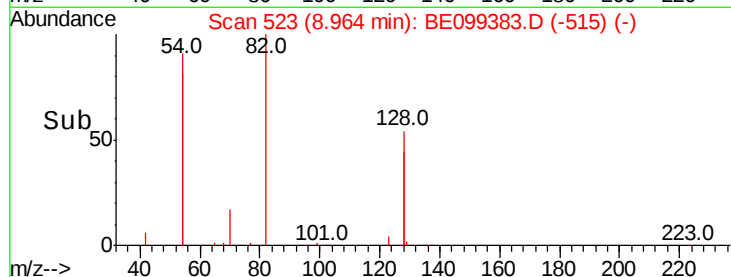
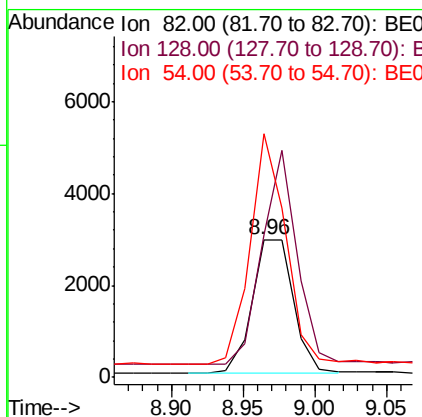
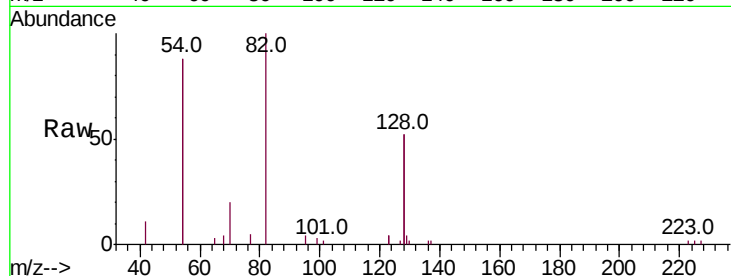
ClientSampleId :

PST-003-SW093-042319

Tot Ion:	82	Resp:	5852
Ion	Ratio	Lower	Upper
82	100		
128	103.7	91.7	137.5
54	176.8	122.8	184.2

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#9

Naphthalene

Concen: 0.208 ng

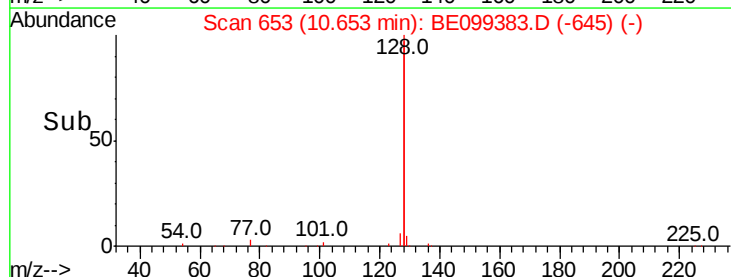
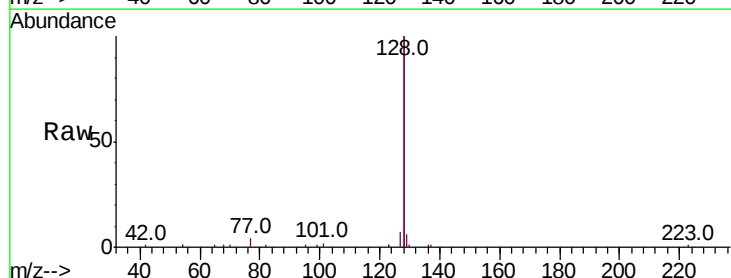
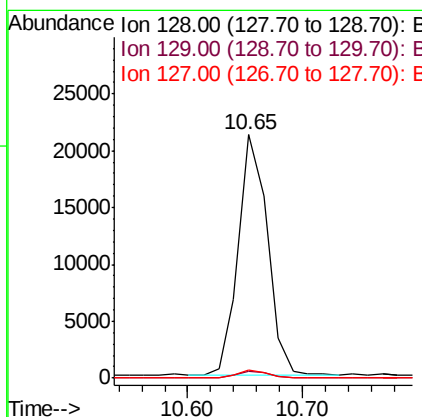
RT: 10.65 min Scan# 653

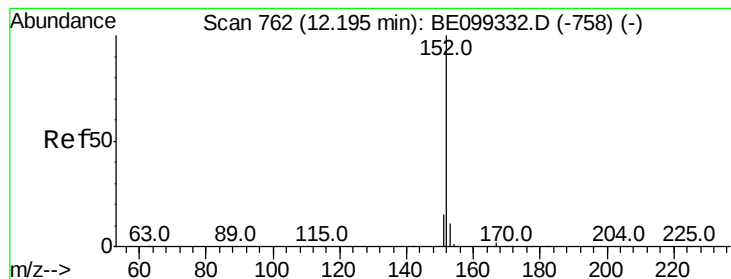
Delta R.T. -0.00 min

Lab File: BE099383.D

Acq: 26 Apr 2019 18:05

Tgt Ion:	128	Resp:	37142
Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.3	3.5
127	3.5	2.8	4.2





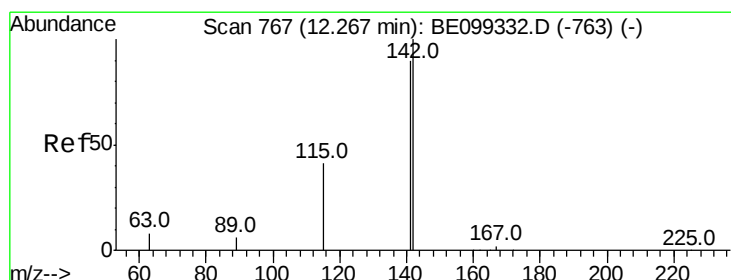
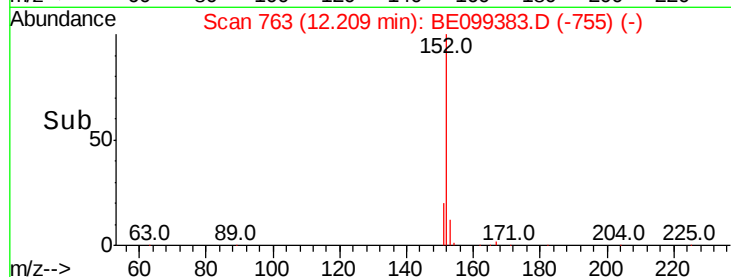
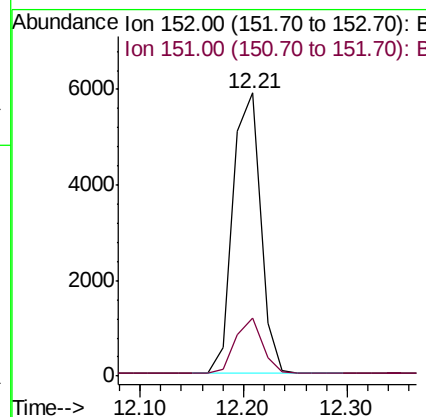
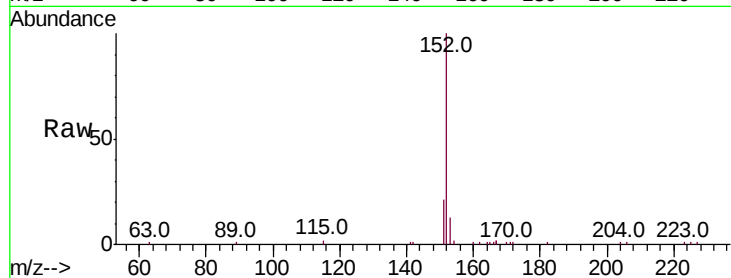
#11
 2-Methylnaphthalene-d10
 Concen: 0.379 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099383.D
 Acq: 26 Apr 2019 18:05

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-SW093-042319

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	14.9	22.3

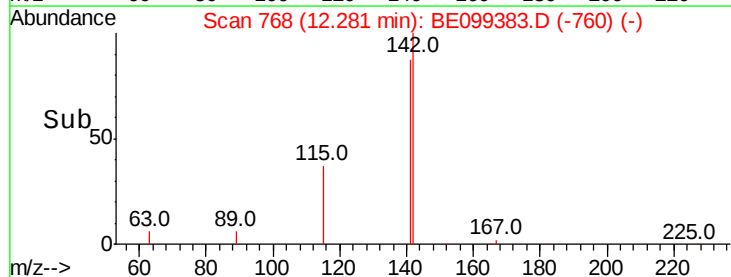
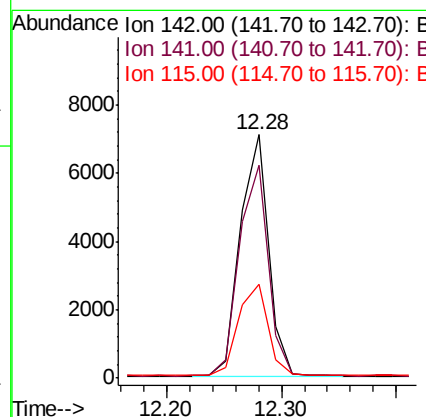
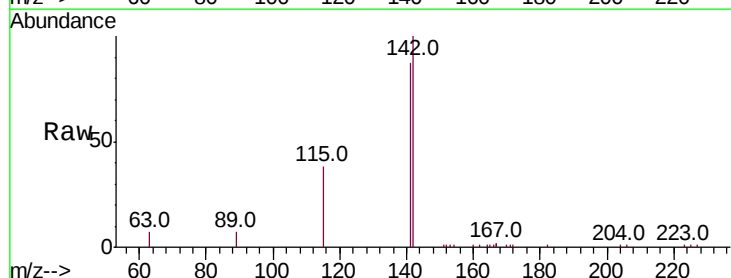
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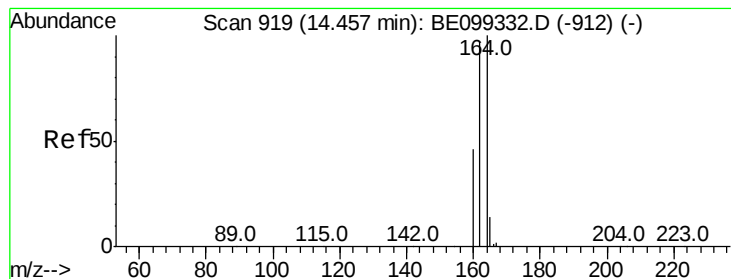
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#12
 2-Methylnaphthalene
 Concen: 0.397 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099383.D
 Acq: 26 Apr 2019 18:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.3	72.0	108.0
115	38.4	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: BE099383.D

Acq: 26 Apr 2019 18:05

Instrument :

BNA_E

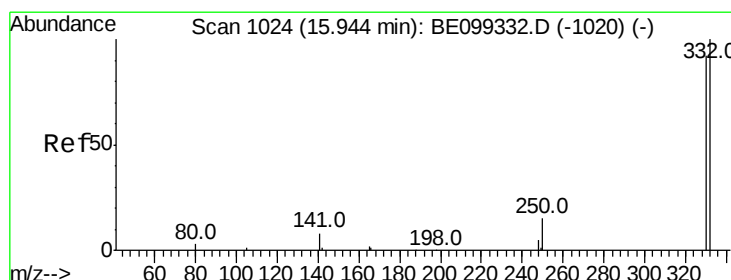
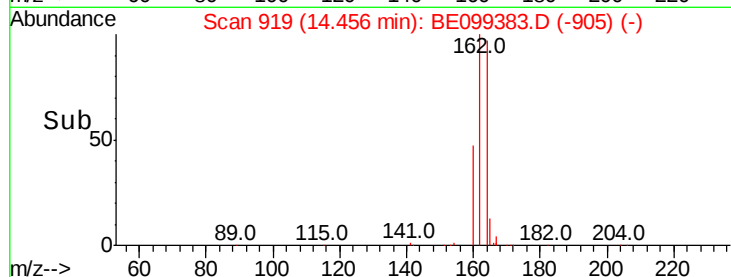
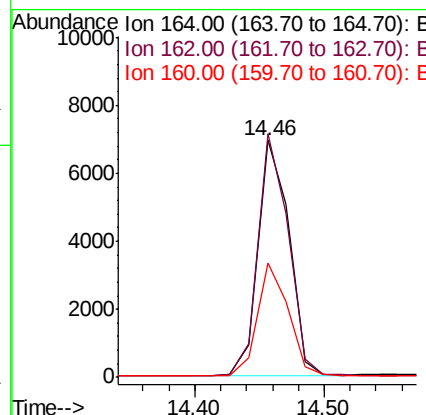
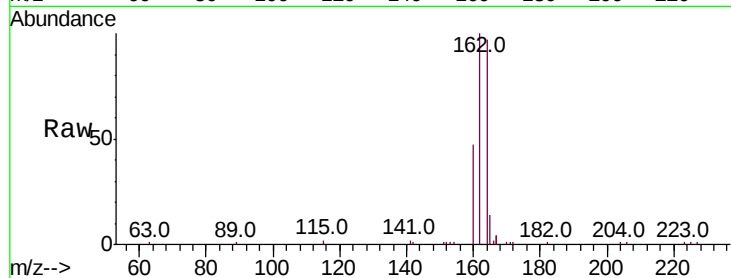
ClientSampleId :

PST-003-SW093-042319

Tot Ion:164	Resp:	11539
Ion Ratio	Lower	Upper
164	100	
162	102.8	77.8 116.6
160	48.3	37.1 55.7

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#14

2,4,6-Tribromophenol

Concen: 0.667 ng

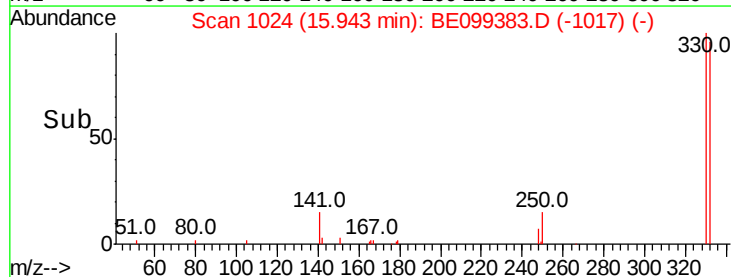
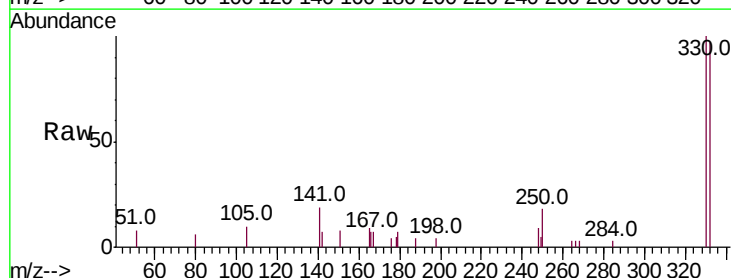
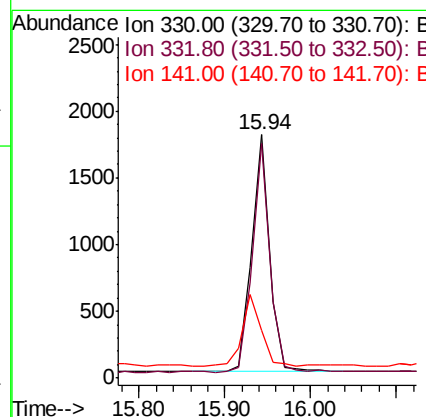
RT: 15.94 min Scan# 1024

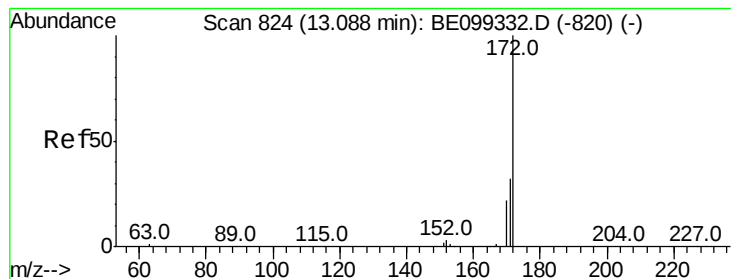
Delta R.T. -0.00 min

Lab File: BE099383.D

Acq: 26 Apr 2019 18:05

Tgt Ion:330	Resp:	2557
Ion Ratio	Lower	Upper
330	100	
332	95.1	82.5 123.7
141	32.2	24.9 37.3





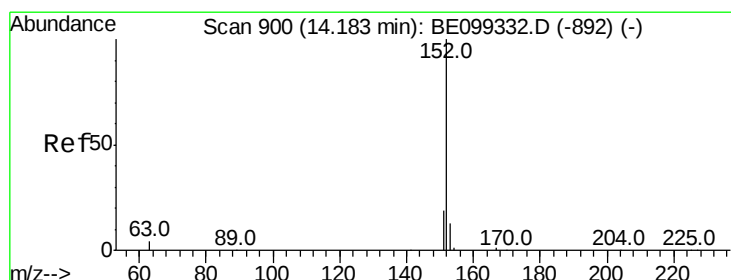
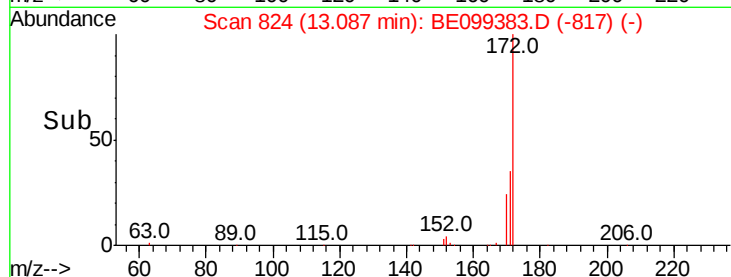
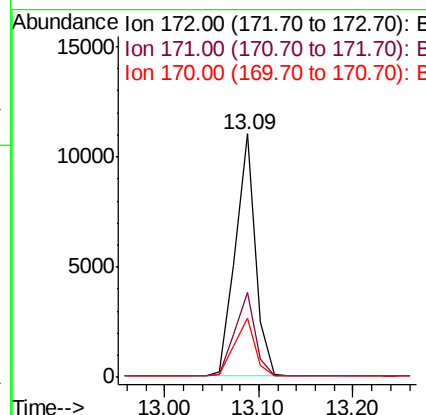
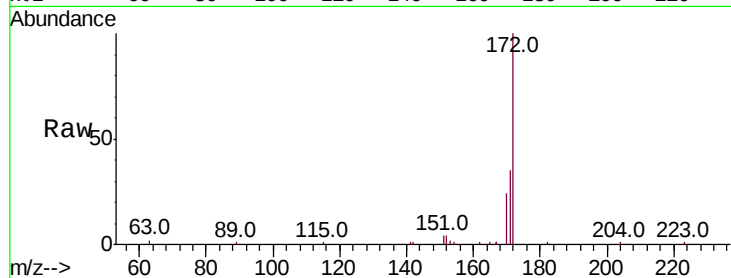
#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099383.D
Acq: 26 Apr 2019 18:05

Instrument :
BNA_E
ClientSampleId :
PST-003-SW093-042319

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	26.2	39.2
170	24.1	18.1	27.1

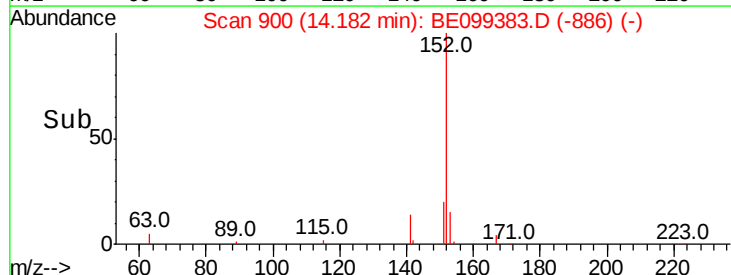
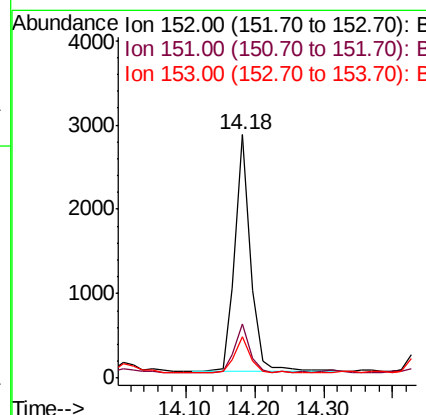
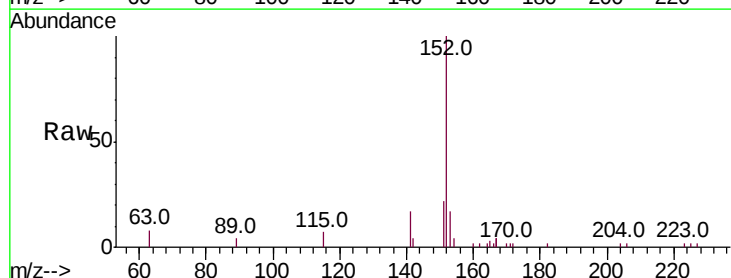
Manual Integrations
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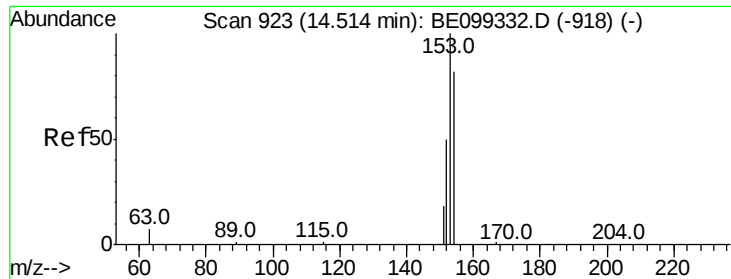
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#16
Acenaphthylene
Concen: 0.086 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099383.D
Acq: 26 Apr 2019 18:05

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	14.9	10.2	15.4





#17

Acenaphthene

Concen: 0.060 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: BE099383.D

Acq: 26 Apr 2019 18:05

Instrument :

BNA_E

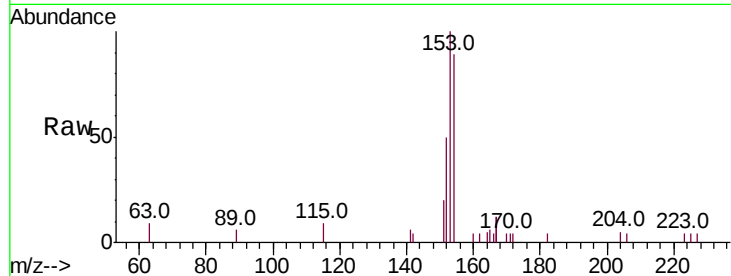
ClientSampleId :

PST-003-SW093-042319

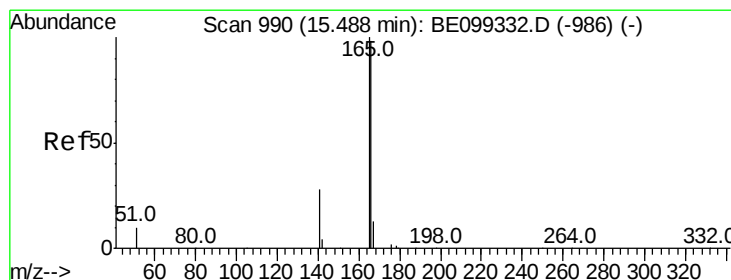
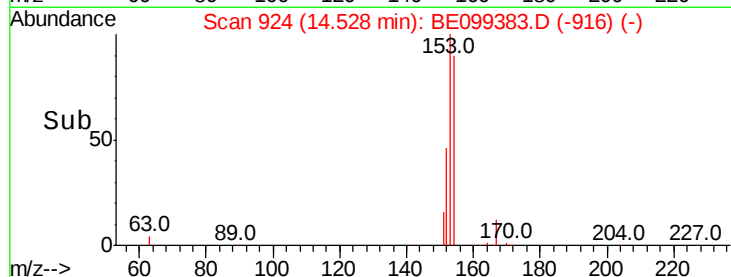
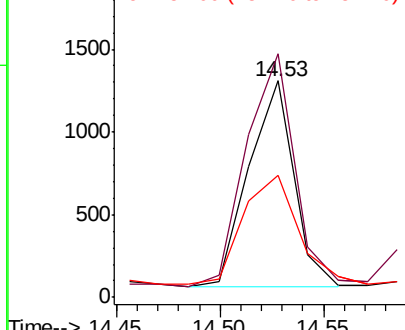
Tot Ion:	154	Resp:	1916
Ion	Ratio	Lower	Upper
154	100		
153	120.7	94.7	142.1
152	64.2	46.4	69.6

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.108 ng

RT: 15.49 min Scan# 990

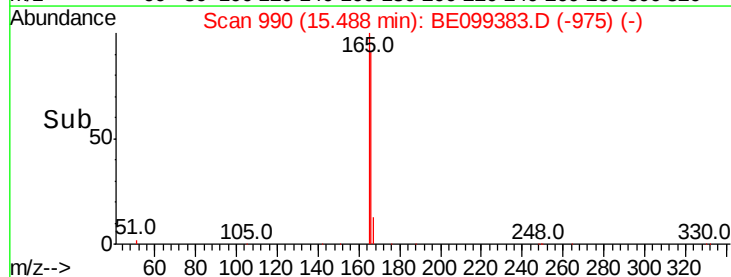
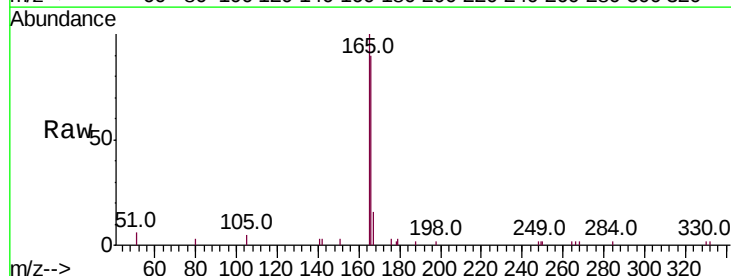
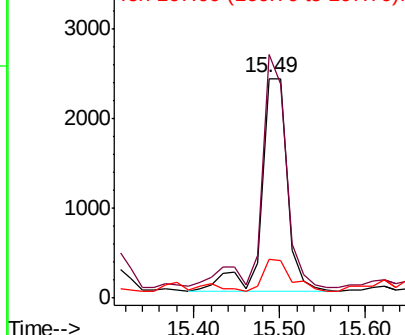
Delta R.T. -0.00 min

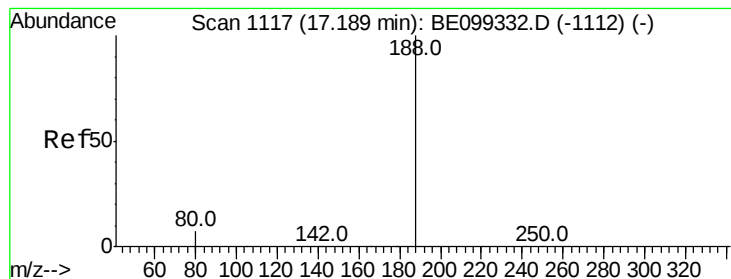
Lab File: BE099383.D

Acq: 26 Apr 2019 18:05

Tgt Ion:	166	Resp:	5002
Ion	Ratio	Lower	Upper
166	100		
165	106.8	79.7	119.5
167	15.9	11.0	16.4

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE099383.D

Acq: 26 Apr 2019 18:05

Instrument :

BNA_E

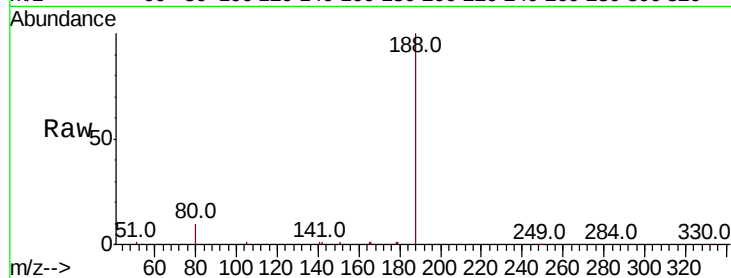
ClientSampleId :

PST-003-SW093-042319

Tot Ion:	188	Resp:	30701
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.7	6.2	9.4#

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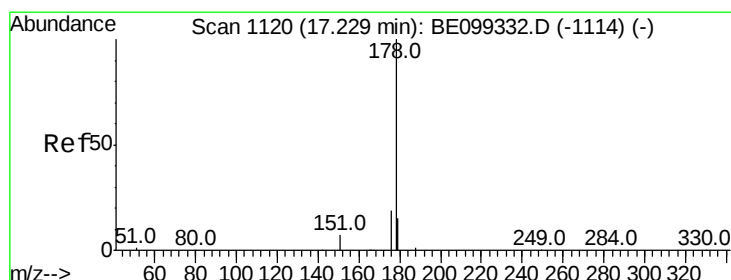
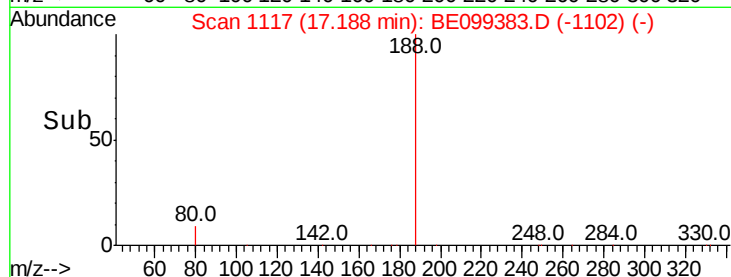
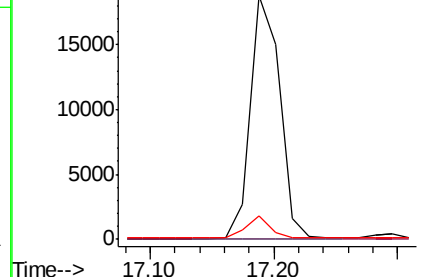
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#23

Phenanthrene

Concen: 0.848 ng

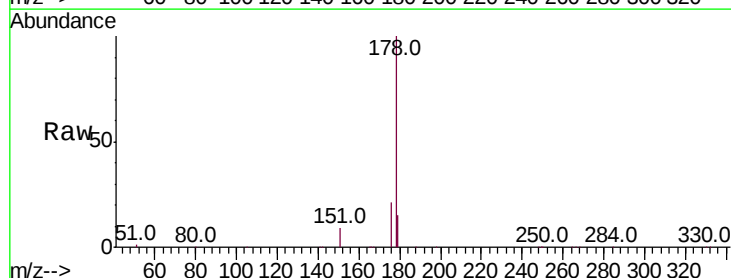
RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099383.D

Acq: 26 Apr 2019 18:05

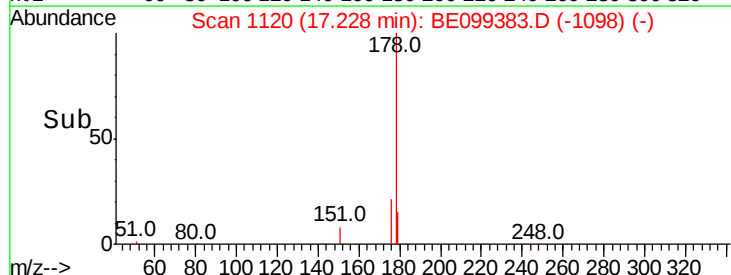
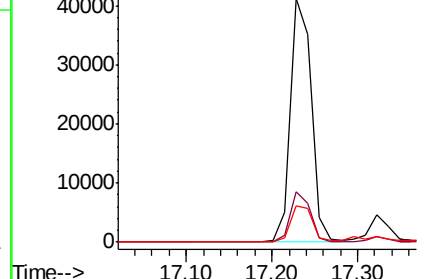
Tgt Ion:	178	Resp:	68913
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.3	22.9
179	15.5	12.4	18.6

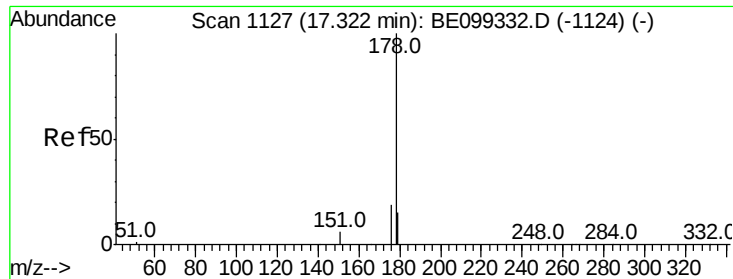


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.101 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099383.D

Acq: 26 Apr 2019 18:05

Instrument :

BNA_E

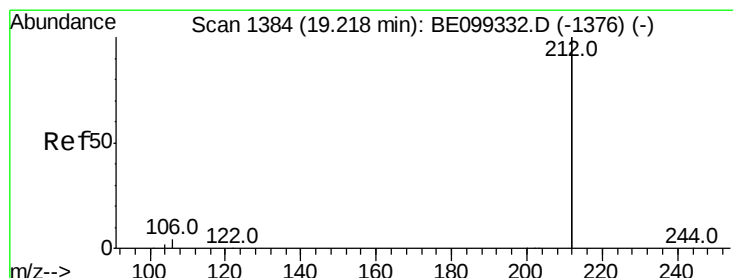
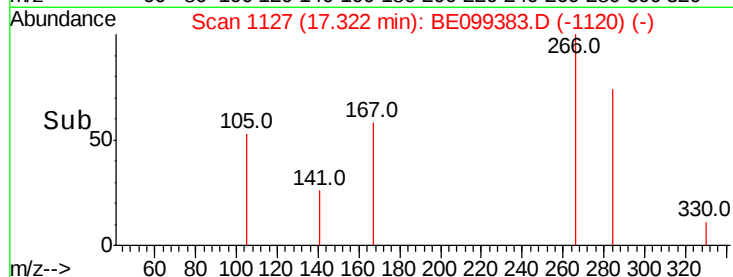
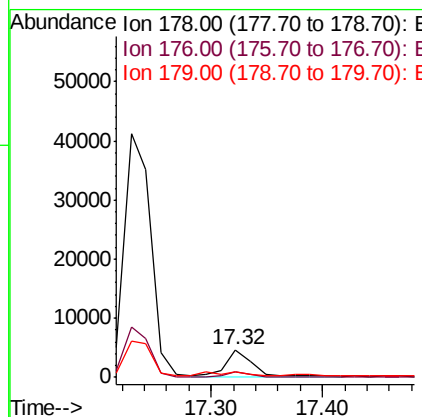
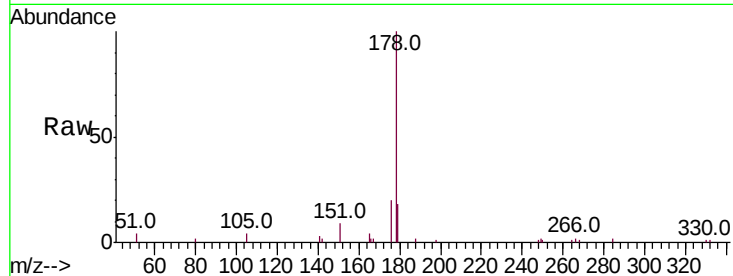
ClientSampleId :

PST-003-SW093-042319

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.1	22.7
179	0.0	11.9	17.9#

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#25

Fluoranthene-d10

Concen: 0.369 ng

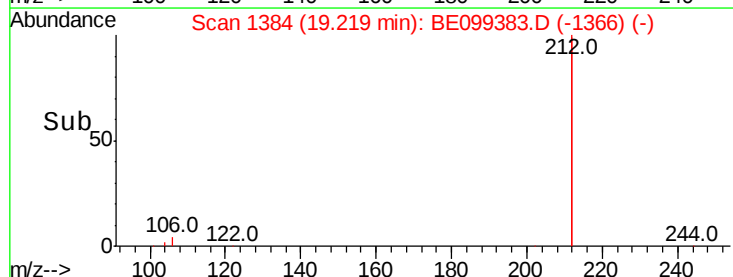
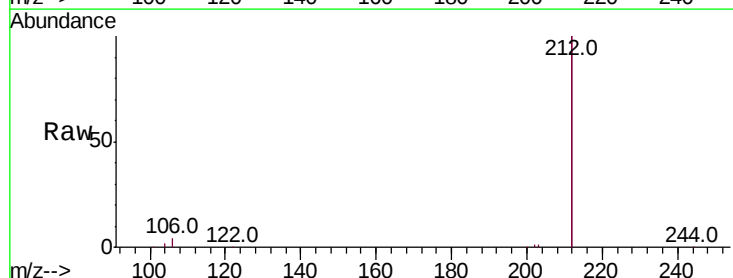
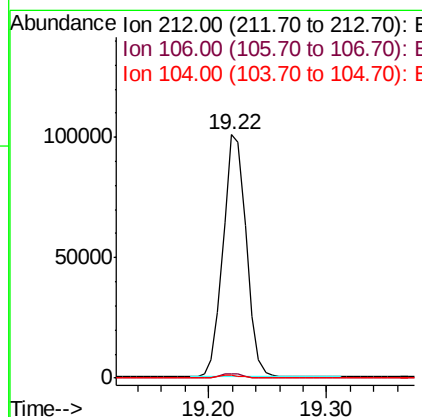
RT: 19.22 min Scan# 1384

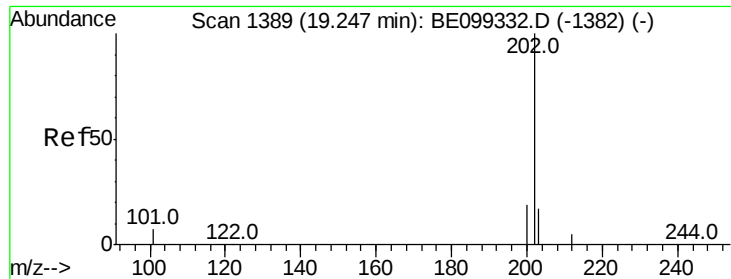
Delta R.T. 0.00 min

Lab File: BE099383.D

Acq: 26 Apr 2019 18:05

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.8	2.6
104	1.1	1.0	1.4





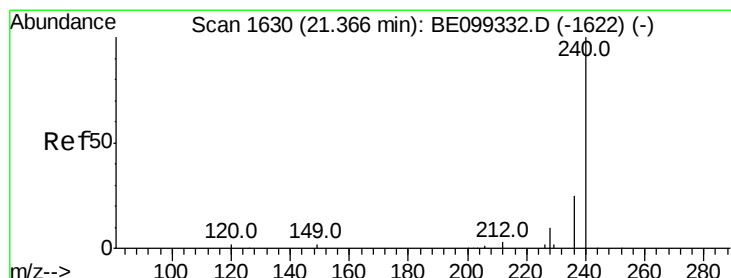
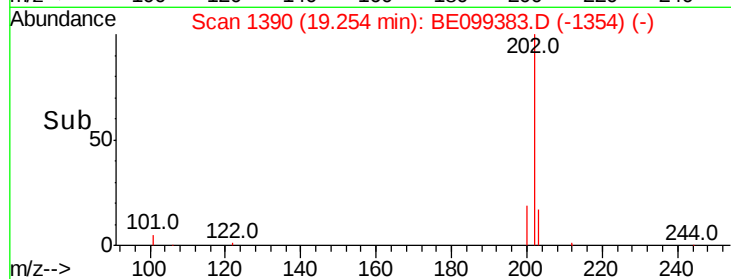
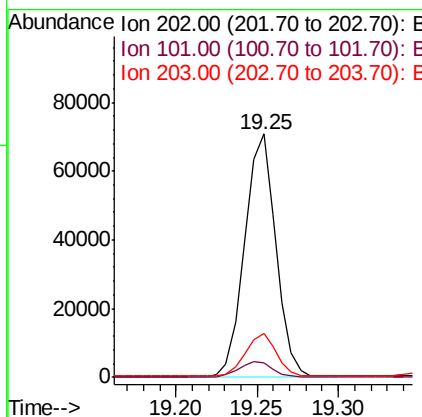
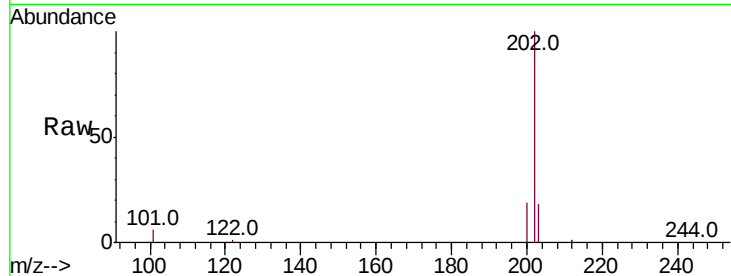
#26
 Fluoranthene
 Concen: 0.863 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: BE099383.D
 Acq: 26 Apr 2019 18:05

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-SW093-042319

Tot Ion	Ratio	Resp	Lower	Upper
202	100	93918		
101	6.7		6.4	9.6
203	17.4		13.5	20.3

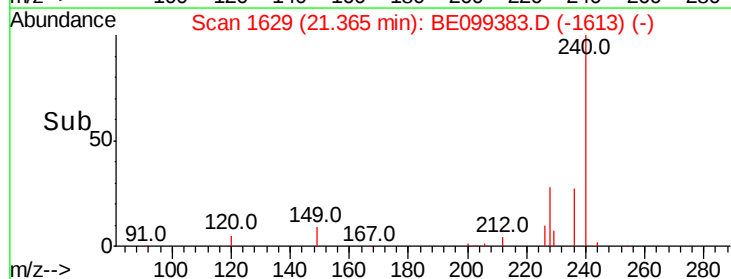
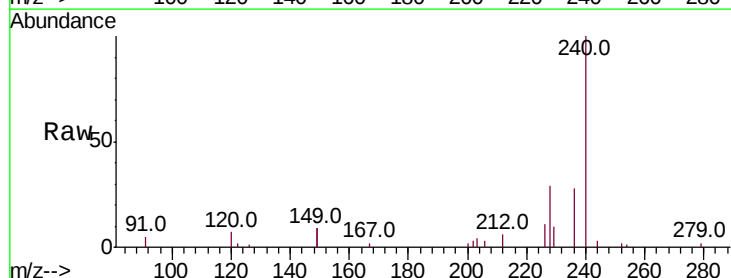
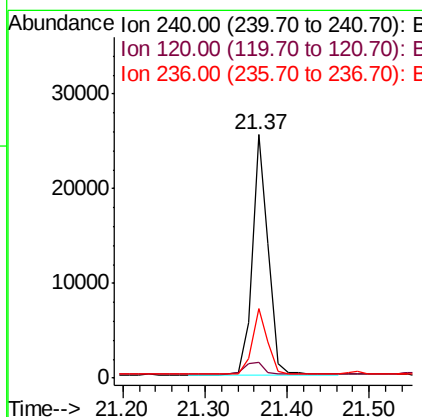
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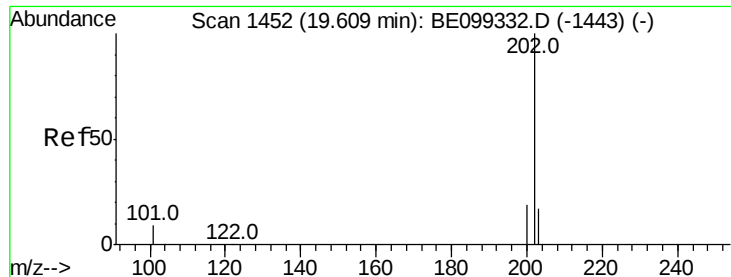
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: BE099383.D
 Acq: 26 Apr 2019 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	34056		
120	6.7		2.2	3.2#
236	28.4		20.2	30.4





#28

Pvrene

Concen: 0.816 ng

RT: 19.62 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BE099383.D

Acq: 26 Apr 2019 18:05

Instrument :

BNA_E

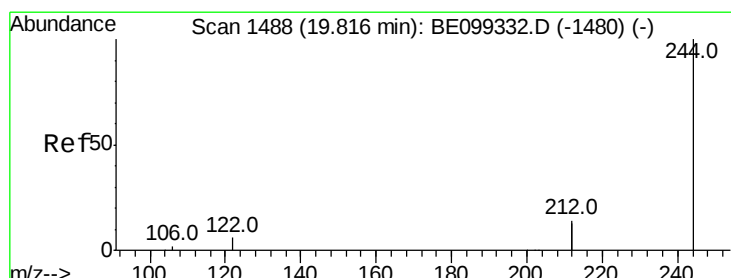
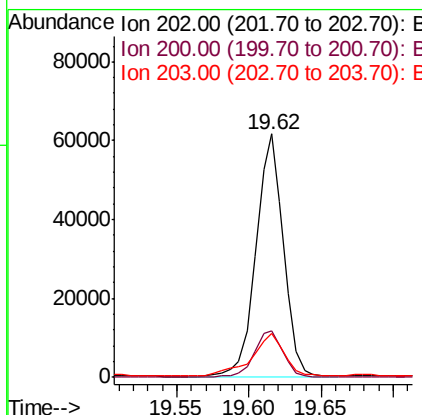
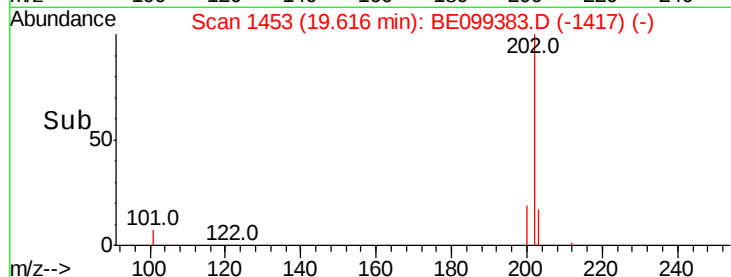
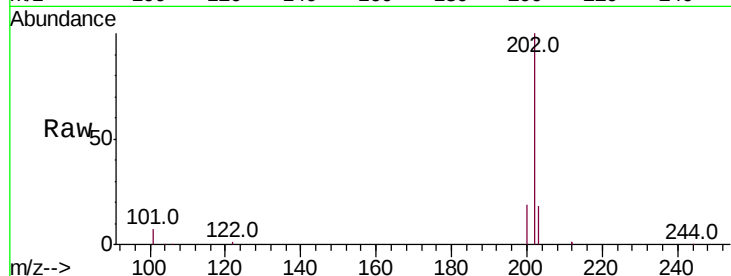
ClientSampleId :

PST-003-SW093-042319

Tot Ion:	202	Resp:	81842
Ion Ratio	Lower	Upper	
202	100		
200	19.8	15.7	23.5
203	20.6	13.7	20.5#

Manual Integrations
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#29

Terphenyl-d14

Concen: 0.437 ng

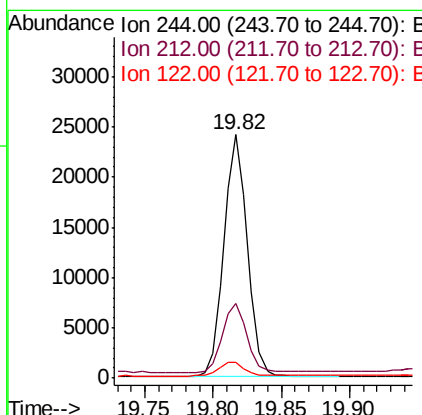
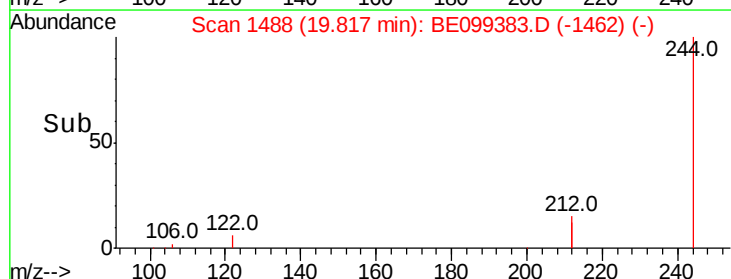
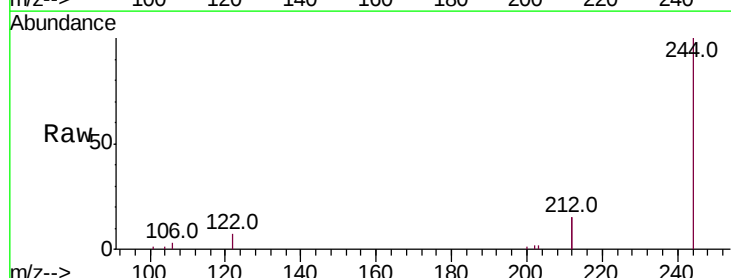
RT: 19.82 min Scan# 1488

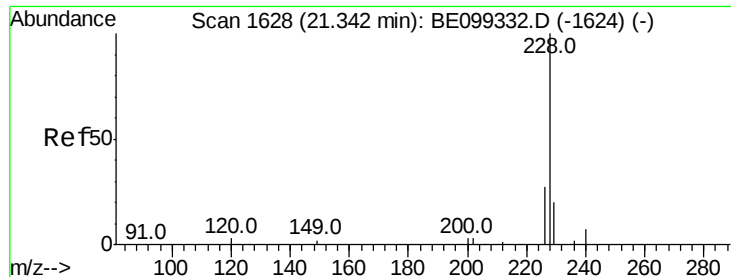
Delta R.T. 0.00 min

Lab File: BE099383.D

Acq: 26 Apr 2019 18:05

Tgt Ion:	244	Resp:	29281
Ion Ratio	Lower	Upper	
244	100		
212	30.8	22.6	33.8
122	6.7	4.6	7.0





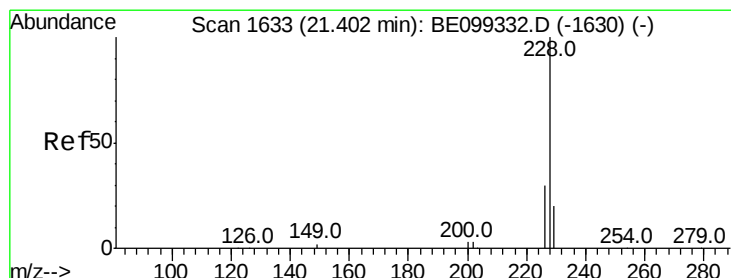
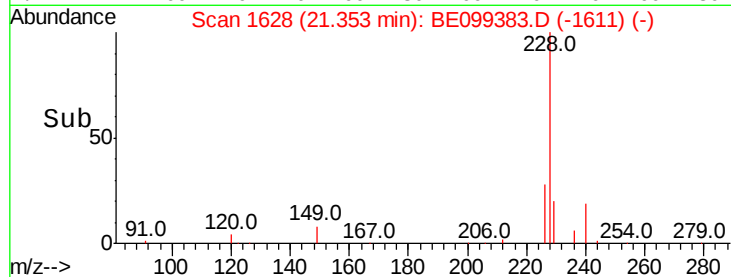
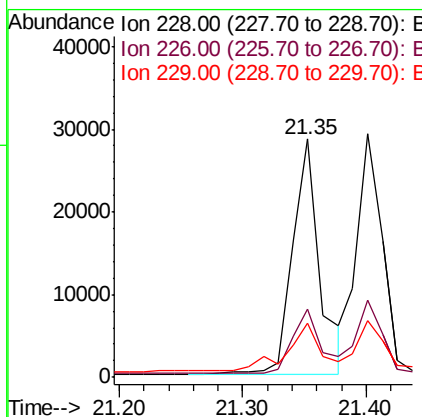
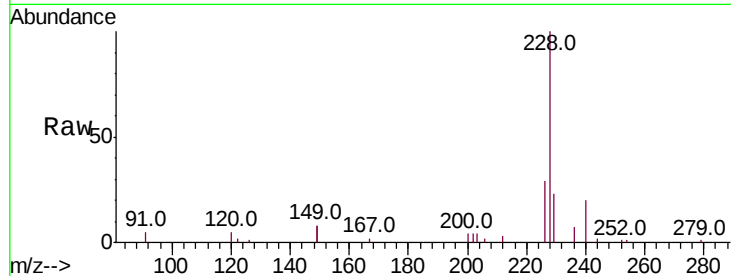
#30
Benzo(a)anthracene
Concen: 0.432 ng
RT: 21.35 min Scan# 1628
Delta R.T. 0.01 min
Lab File: BE099383.D
Acq: 26 Apr 2019 18:05

Instrument :
BNA_E
ClientSampleId :
PST-003-SW093-042319

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.0	33.0
229	22.7	15.8	23.8

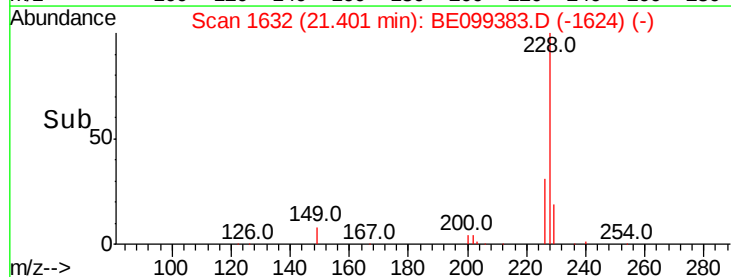
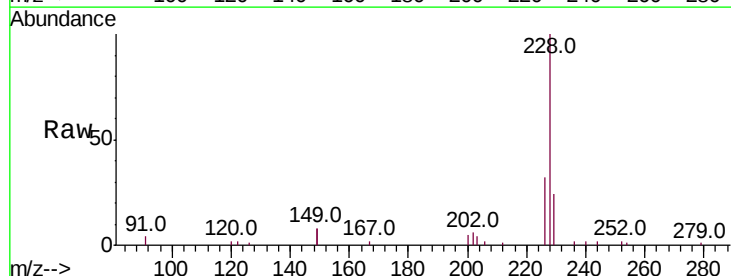
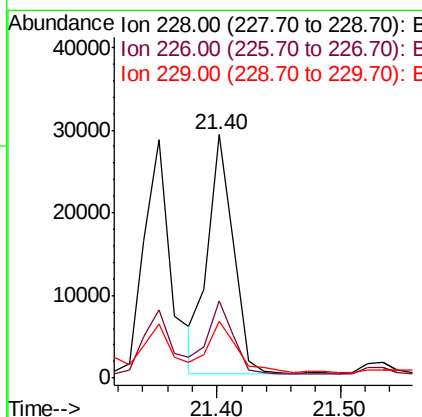
Manual Integrations
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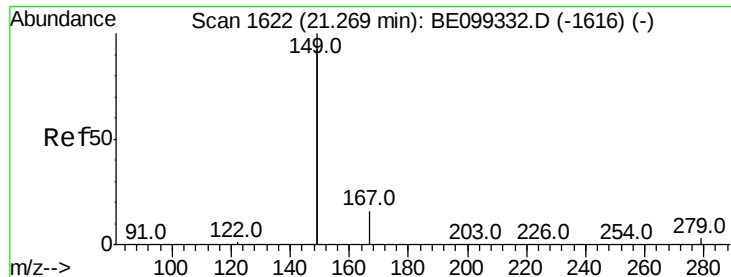
Sohil
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#31
Chrysene
Concen: 0.391 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099383.D
Acq: 26 Apr 2019 18:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.4	35.2
229	23.5	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.356 ng

RT: 21.27 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE099383.D

Acq: 26 Apr 2019 18:05

Instrument :

BNA_E

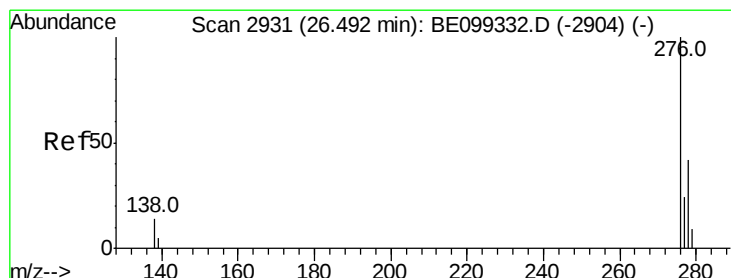
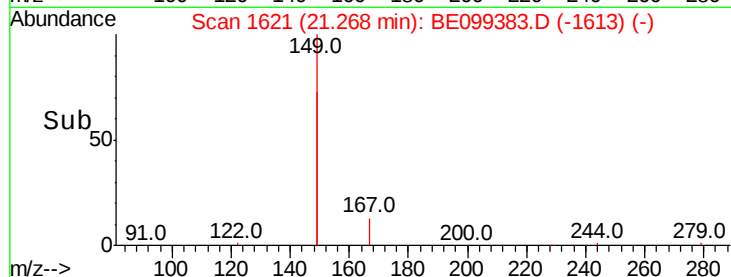
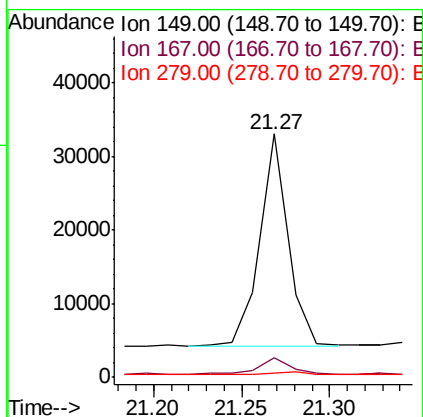
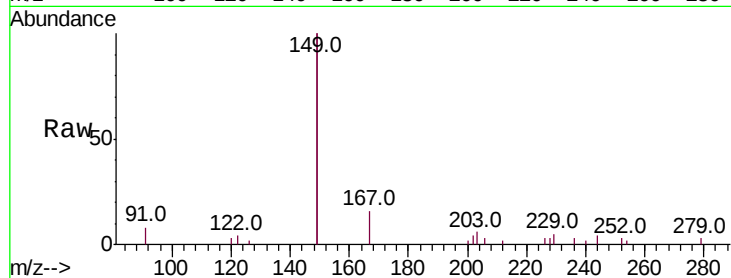
ClientSampleId :

PST-003-SW093-042319

Tot Ion:	149	Resp:	32460
Ion Ratio	Lower	Upper	
149	100		
167	7.6	6.0	9.0
279	1.3	1.1	1.7

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.197 ng

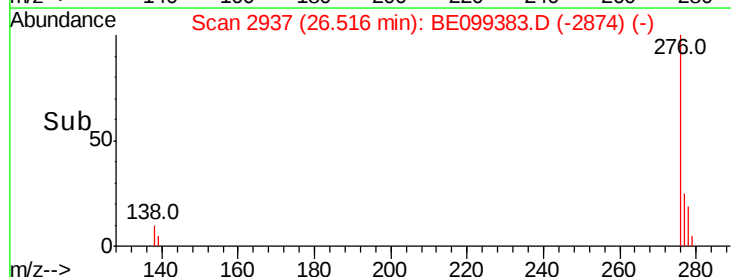
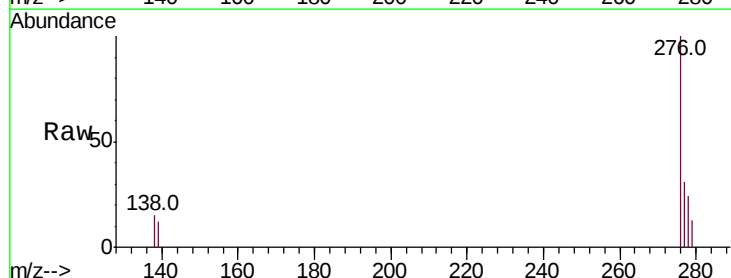
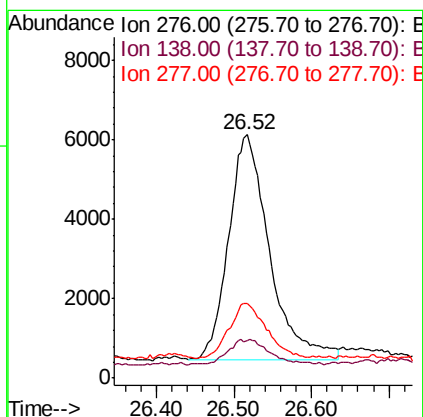
RT: 26.52 min Scan# 2937

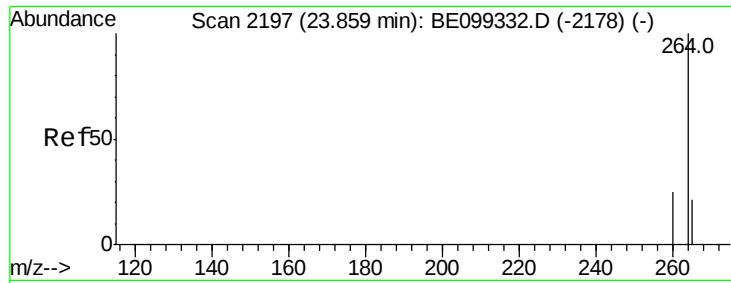
Delta R.T. 0.02 min

Lab File: BE099383.D

Acq: 26 Apr 2019 18:05

Tgt Ion:	276	Resp:	20733
Ion Ratio	Lower	Upper	
276	100		
138	5.0	12.7	19.1#
277	22.9	19.6	29.4





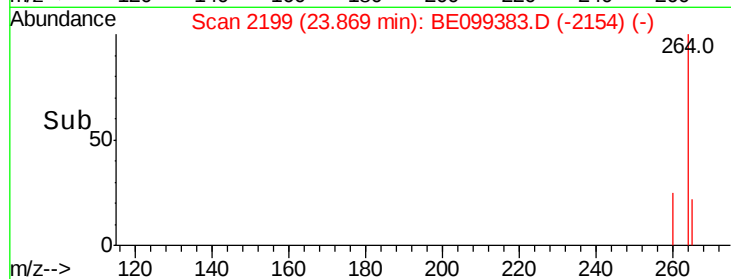
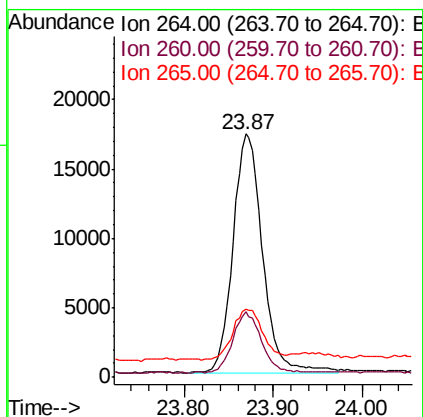
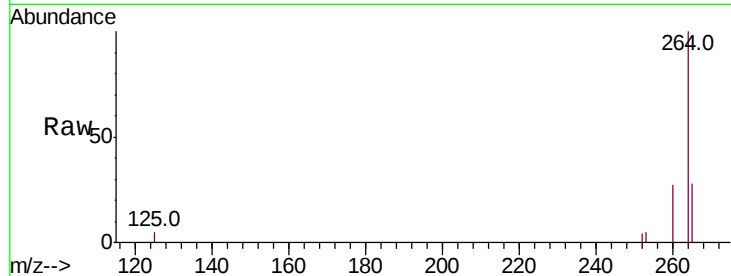
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BE099383.D
Acq: 26 Apr 2019 18:05

Instrument :
BNA_E
ClientSampleId :
PST-003-SW093-042319

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.9	20.1	30.1
265	28.2	19.9	29.9

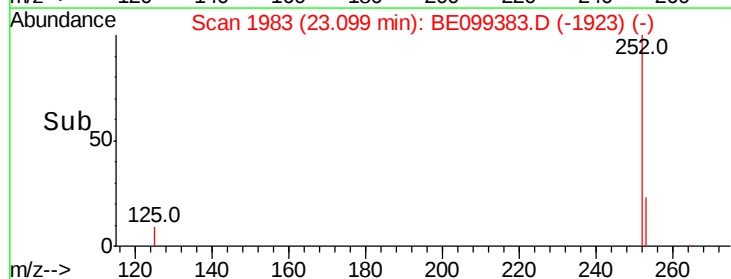
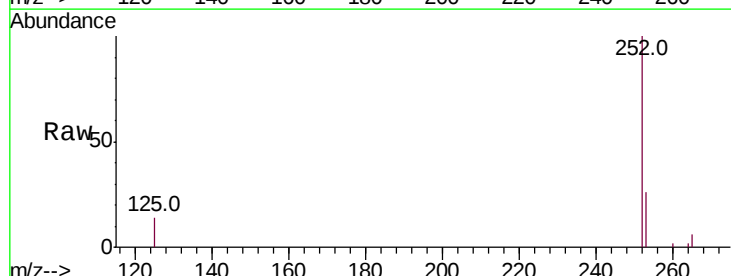
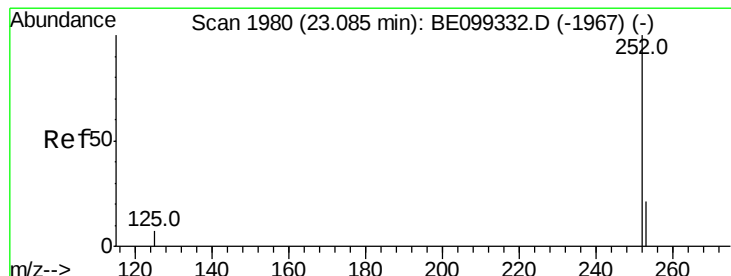
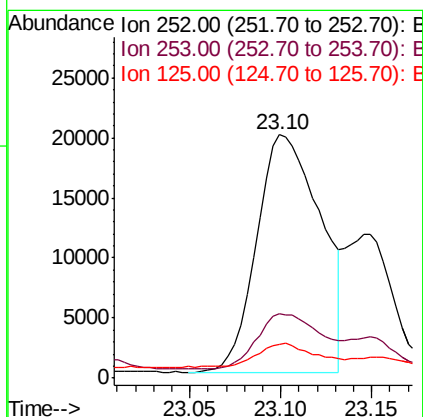
Manual Integrations
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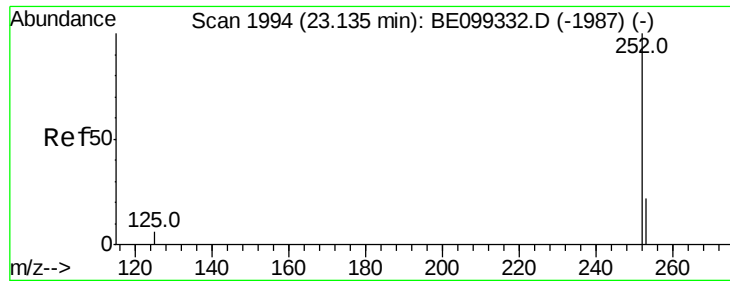
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#35
Benzo(b)fluoranthene
Concen: 0.397 ng
RT: 23.10 min Scan# 1983
Delta R.T. 0.01 min
Lab File: BE099383.D
Acq: 26 Apr 2019 18:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.3	25.9#
125	13.7	5.8	8.6#





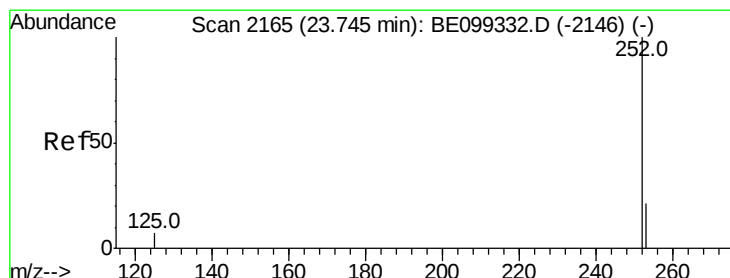
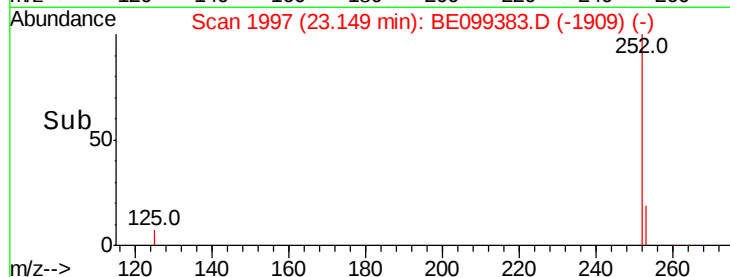
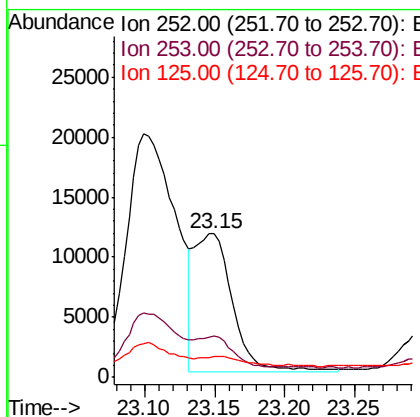
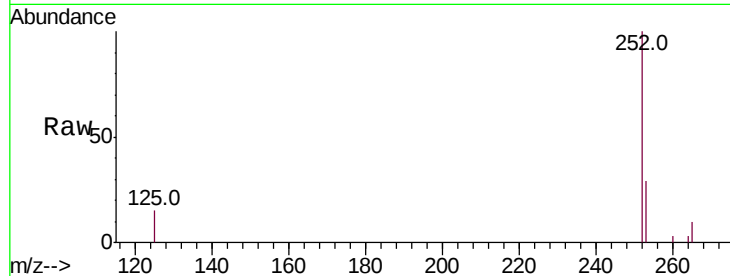
#36
Benzo(k)fluoranthene
Concen: 0.180 ng m
RT: 23.15 min Scan# 1997
Delta R.T. 0.01 min
Lab File: BE099383.D
Acq: 26 Apr 2019 18:05

Instrument :
BNA_E
ClientSampleId :
PST-003-SW093-042319

Tot Ion:252 Resp: 21832
Ion Ratio Lower Upper
252 100
253 28.6 18.4 27.6#
125 14.7 5.4 8.0#

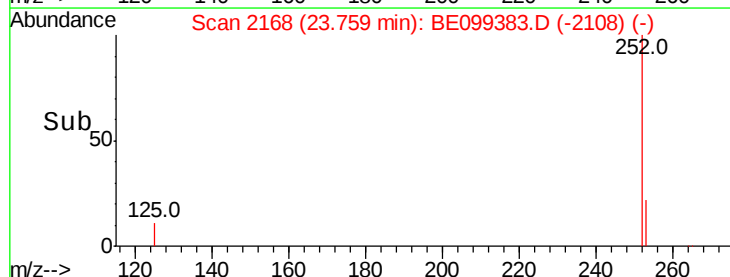
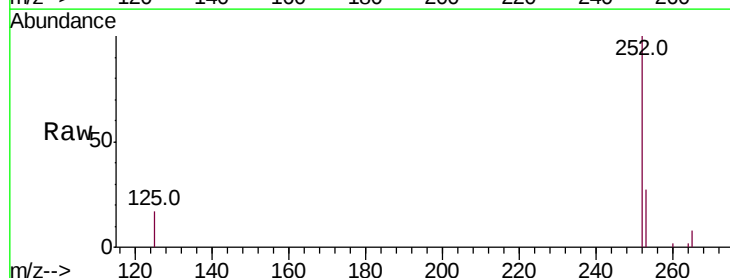
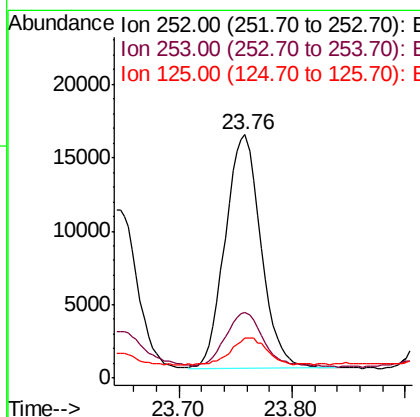
Manual Integrations
APPROVED

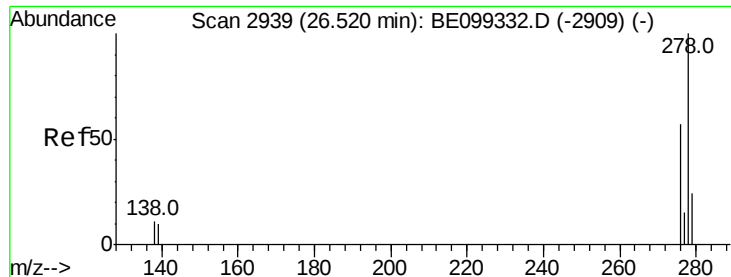
Sohil
4/29/2019 1:28:45 PM



#37
Benzo(a)pyrene
Concen: 0.322 ng
RT: 23.76 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BE099383.D
Acq: 26 Apr 2019 18:05

Tgt Ion:252 Resp: 35038
Ion Ratio Lower Upper
252 100
253 26.9 17.6 26.4#
125 16.7 6.5 9.7#





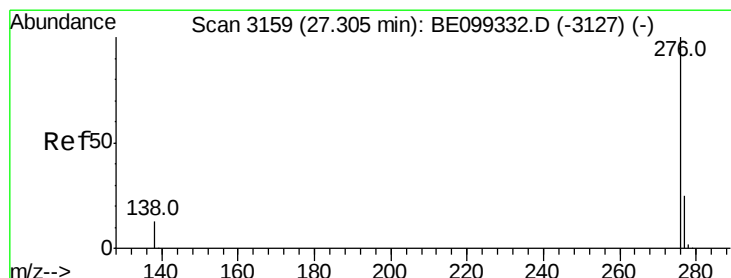
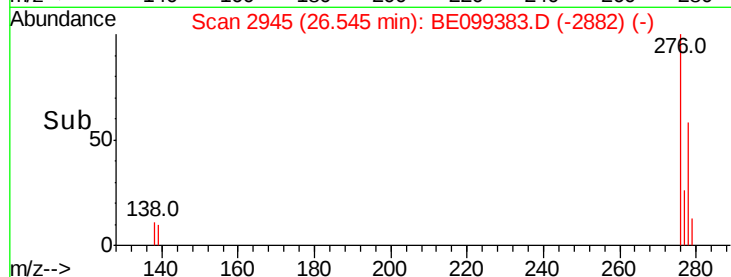
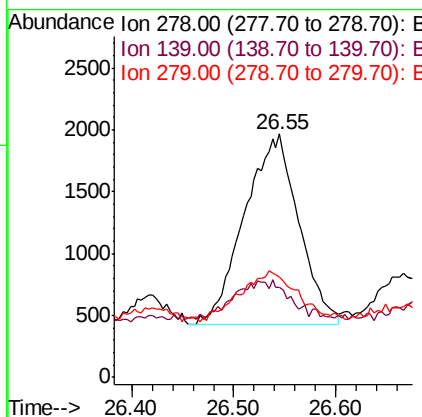
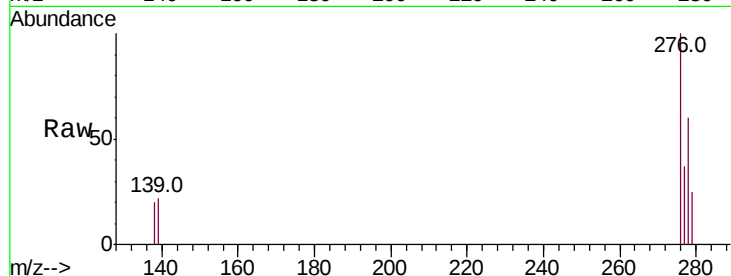
#38
Dibenzo(a,h)anthracene
Concen: 0.051 ng
RT: 26.55 min Scan# 2945
Delta R.T. 0.02 min
Lab File: BE099383.D
Acq: 26 Apr 2019 18:05

Instrument :
BNA_E
ClientSampleId :
PST-003-SW093-042319

Tot Ion	Ratio	Lower	Upper
278	100		
139	37.0	8.5	12.7#
279	41.3	19.8	29.8#

Manual Integrations
APPROVED

Sohil
4/29/2019 1:28:45 PM



#39
Benzo(g,h,i)perylene
Concen: 0.156 ng
RT: 27.33 min Scan# 3166
Delta R.T. 0.03 min
Lab File: BE099383.D
Acq: 26 Apr 2019 18:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.8	20.0	30.0
138	16.8	11.1	16.7#

