

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032919\
 Data File : BE099261.D
 Acq On : 29 Mar 2019 19:00
 Operator : JU/SJ
 Sample : K1982-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-027-B110-032519

Manual Integrations
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 4/1/2019 5:45:13 PM

Quant Time: Mar 29 23:30:09 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032519.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Mar 26 07:02:06 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	3377	0.40	ng	-0.01
7) Naphthalene-d8	10.63	136	14001	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	10417	0.40	ng	-0.02
19) Phenanthrene-d10	17.20	188	31257	0.40	ng	-0.01
27) Chrysene-d12	21.38	240	38979	0.40	ng	-0.01
34) Perylene-d12	23.89	264	38793	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	2356	0.23	ng	0.00
5) Phenol-d6	6.99	99	3568	0.23	ng	0.00
8) Nitrobenzene-d5	8.99	82	2861	0.25	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	6292	0.23	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1335	0.45	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	9052	0.21	ng	0.00
25) Fluoranthene-d10	19.23	212	86450	0.23	ng	-0.01
29) Terphenyl-d14	19.83	244	13724	0.16	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.67	128	8726	0.053	ng	# 96
12) 2-Methylnaphthalene	12.29	142	1461	0.049	ng	97
16) Acenaphthylene	14.20	152	4352	0.082	ng	99
17) Acenaphthene	14.53	154	6659	0.210	ng	98
18) Fluorene	15.50	166	8607	0.193	ng	# 98
23) Phenanthrene	17.24	178	201786	2.198	ng	100
24) Anthracene	17.34	178	38791	0.468	ng	# 91
26) Fluoranthene	19.26	202	370954	3.167	ng	98
28) Pyrene	19.62	202	331862	2.563	ng	# 95
30) Benzo(a)anthracene	21.35	228	210173	1.634	ng	98
31) Chrysene	21.42	228	199931m	1.455	ng	
32) Bis(2-ethylhexyl)phthalate	21.28	149	22957	0.150	ng	98
33) Indeno(1,2,3-cd)pyrene	26.53	276	80986	0.623	ng	# 96
35) Benzo(b)fluoranthene	23.12	252	197190	1.545	ng	# 96
36) Benzo(k)fluoranthene	23.16	252	89748m	0.665	ng	
37) Benzo(a)pyrene	23.77	252	147533	1.238	ng	98
38) Dibenzo(a,h)anthracene	26.55	278	23288	0.220	ng	# 88
39) Benzo(g,h,i)perylene	27.35	276	73708	0.694	ng	98

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

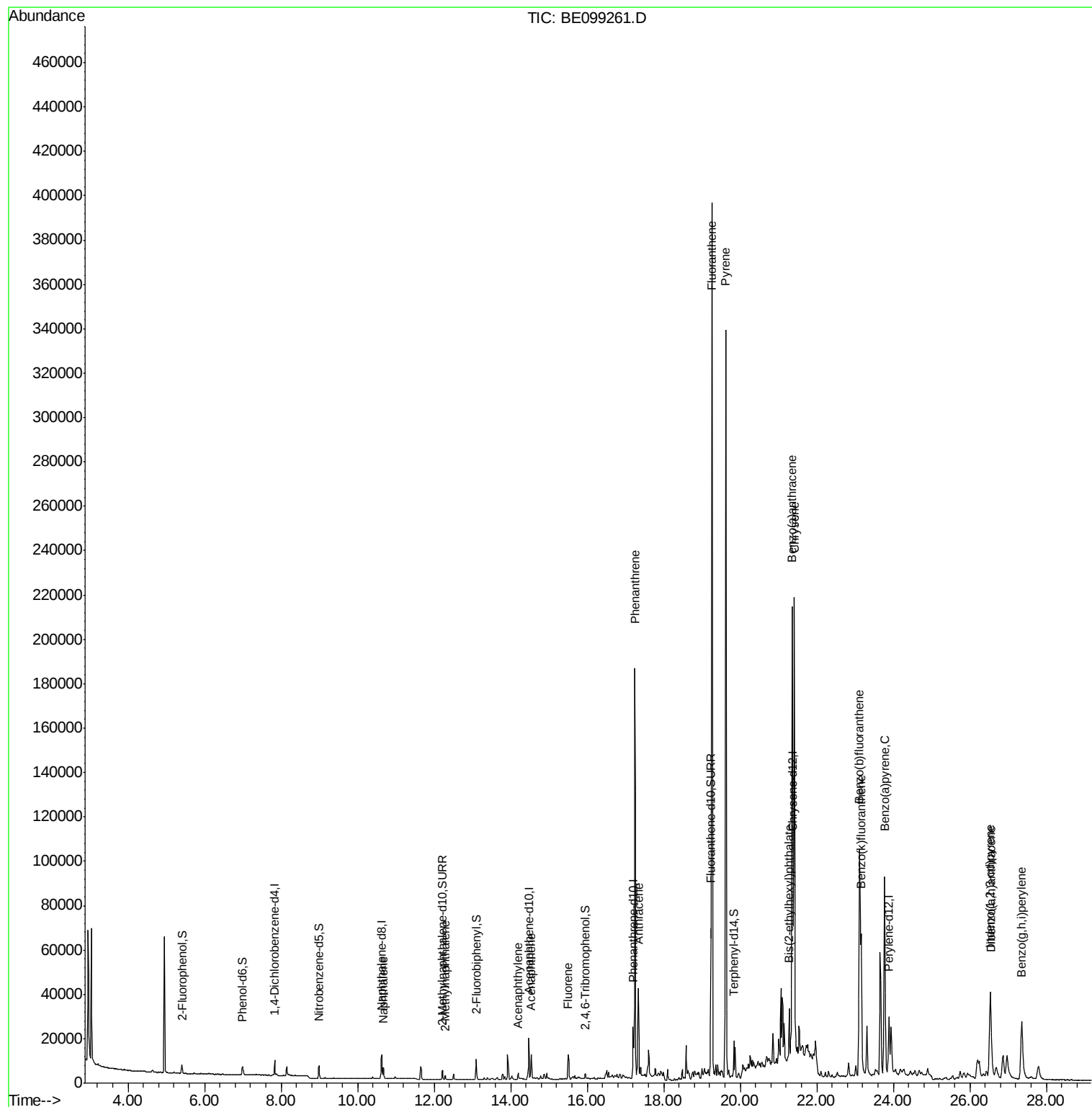
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032919\
Data File : BE099261.D
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#1

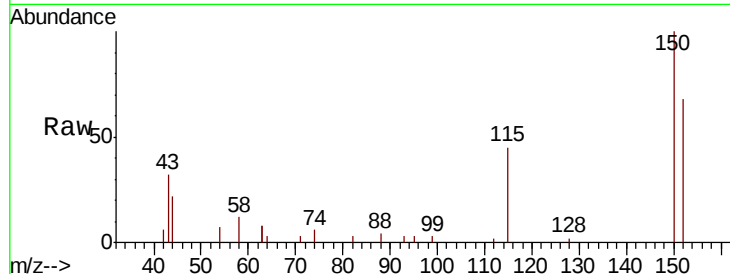
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.83 min Scan# 431
Delta R.T. -0.01 min
Lab File: BE099261.D
Acq: 29 Mar 2019 19:00

Instrument :
BNA_E
ClientSampleId :
PST-027-B110-032519

Tgt Ion	Ratio	Lower	Upper
152	100		
150	147.7	112.8	169.2
115	67.2	45.1	67.7

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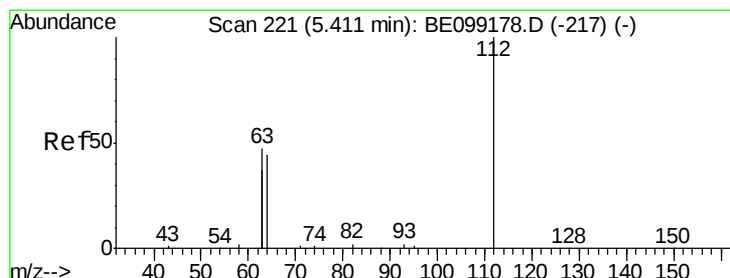
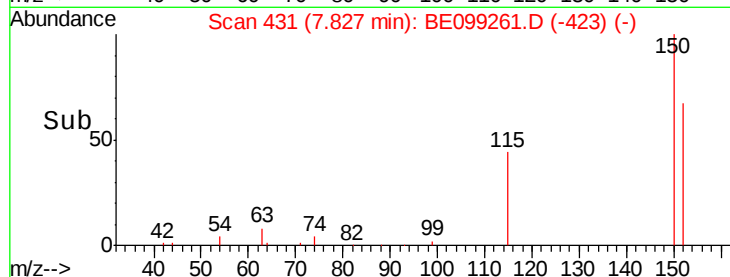
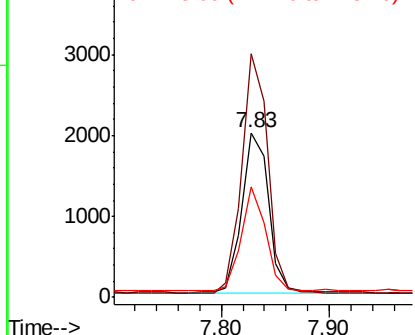


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

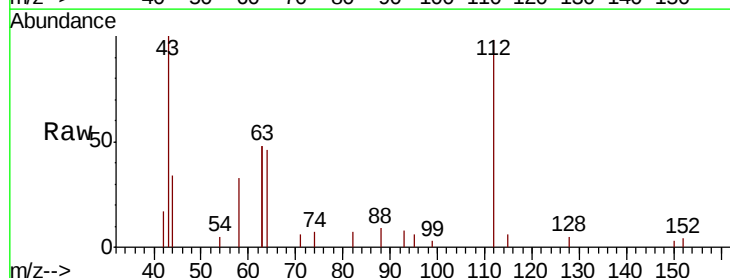
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.234 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099261.D
Acq: 29 Mar 2019 19:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.2	69.2
63	125.7	89.9	134.9

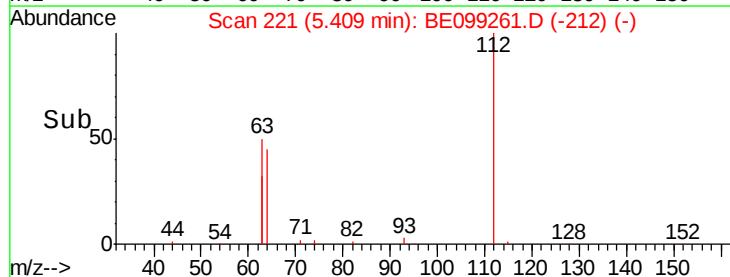
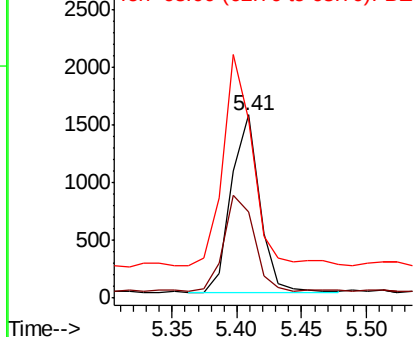


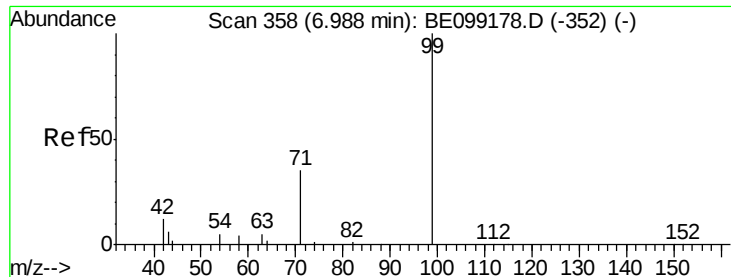
Abundance

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: 0.232 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099261.D

Acq: 29 Mar 2019 19:00

Instrument :

BNA_E

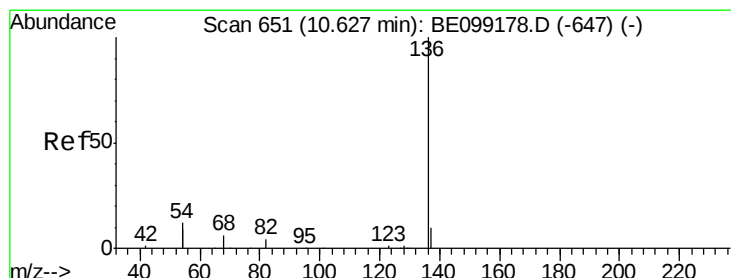
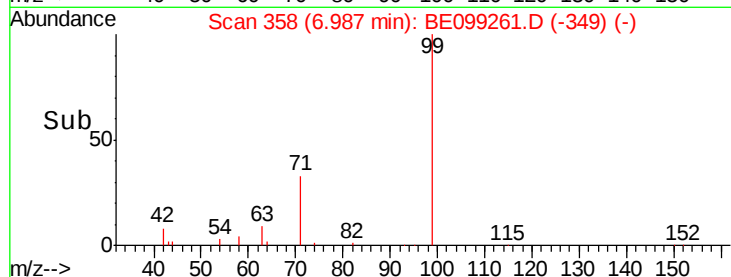
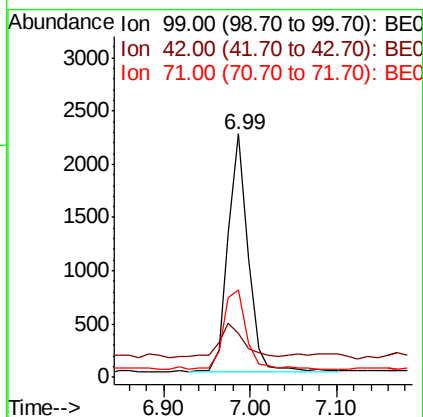
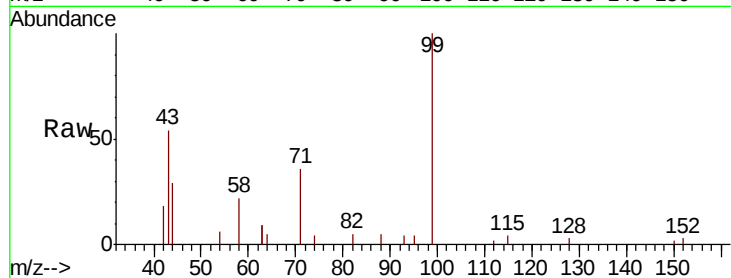
ClientSampleId :

PST-027-B110-032519

Tgt Ion:	99	Resp:	3568
Ion	Ratio	Lower	Upper
99	100		
42	17.3	12.4	18.6
71	38.8	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

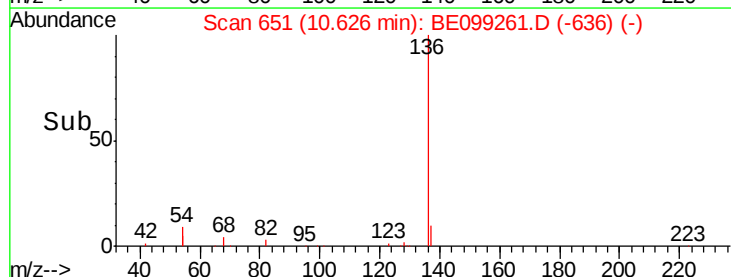
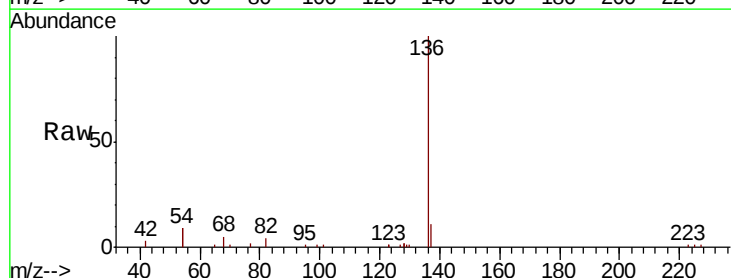
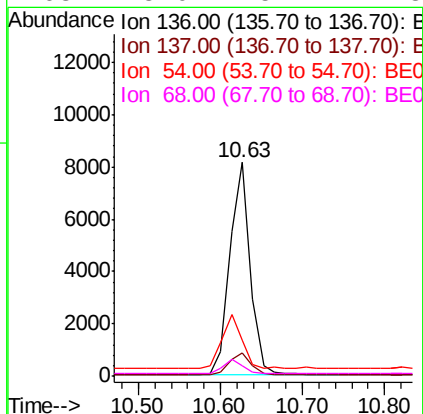
RT: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE099261.D

Acq: 29 Mar 2019 19:00

Tgt Ion:	136	Resp:	14001
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	17.0	18.7	28.1#
68	5.0	5.2	7.8#





#8

Nitrobenzene-d5

Concen: 0.250 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099261.D

Acq: 29 Mar 2019 19:00

Instrument :

BNA_E

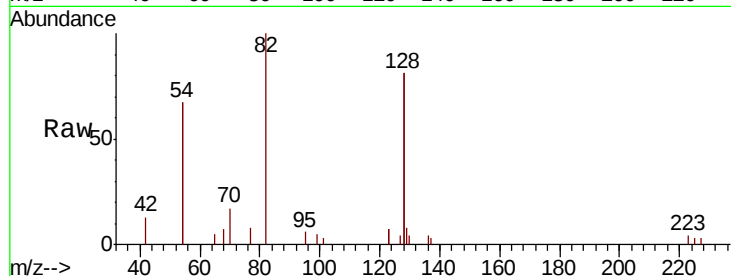
ClientSampleId :

PST-027-B110-032519

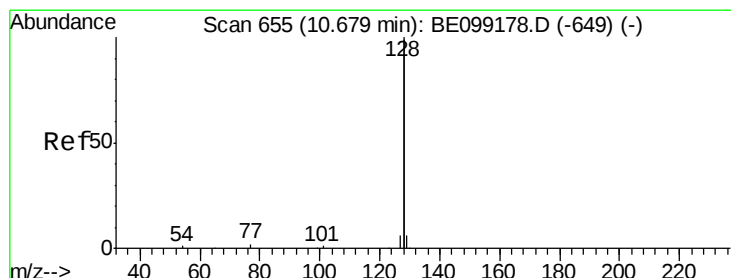
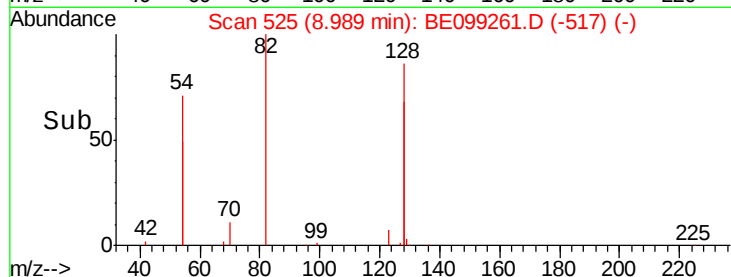
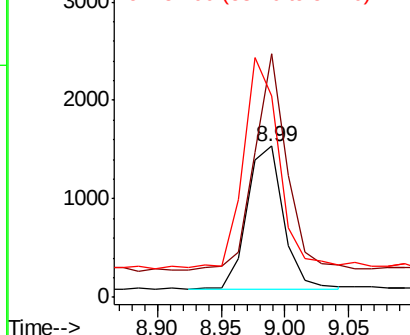
Tgt Ion:	82	Resp:	2861
Ion Ratio	Lower	Upper	
82	100		
128	161.3	107.5	161.3
54	133.1	106.3	159.5

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Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.053 ng

RT: 10.67 min Scan# 654

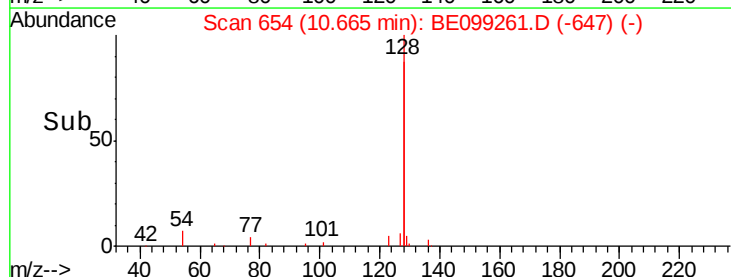
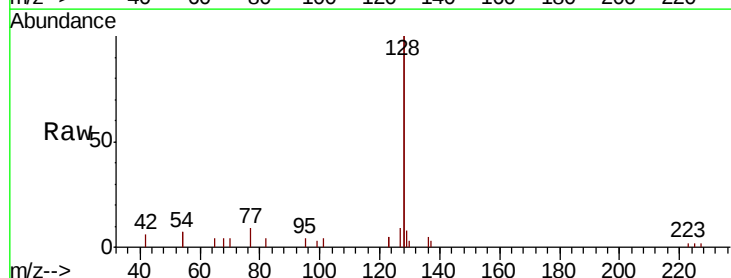
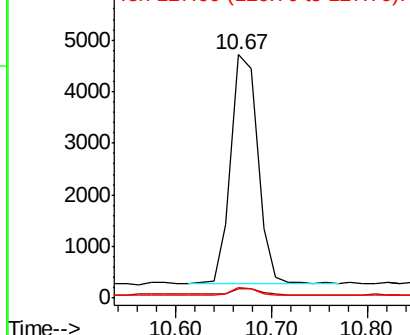
Delta R.T. -0.01 min

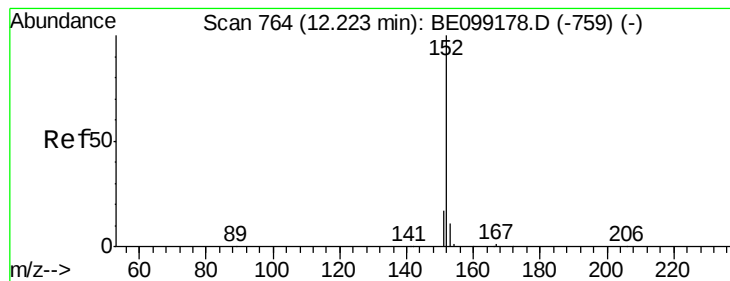
Lab File: BE099261.D

Acq: 29 Mar 2019 19:00

Tgt Ion:	128	Resp:	8726
Ion Ratio	Lower	Upper	
128	100		
129	4.1	2.3	3.5#
127	4.4	2.6	3.8#

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.233 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099261.D

Acq: 29 Mar 2019 19:00

Instrument :

BNA_E

ClientSampleId :

PST-027-B110-032519

Tgt Ion:152 Resp: 6292

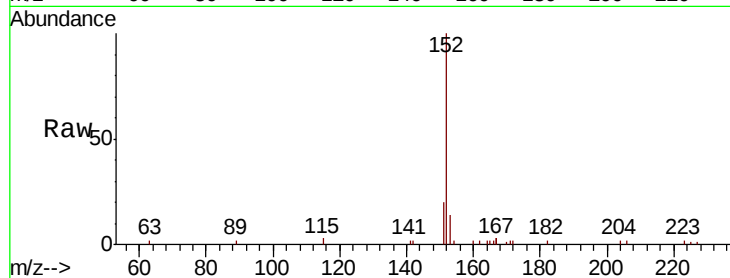
Ion Ratio Lower Upper

152 100

151 18.7 15.0 22.6

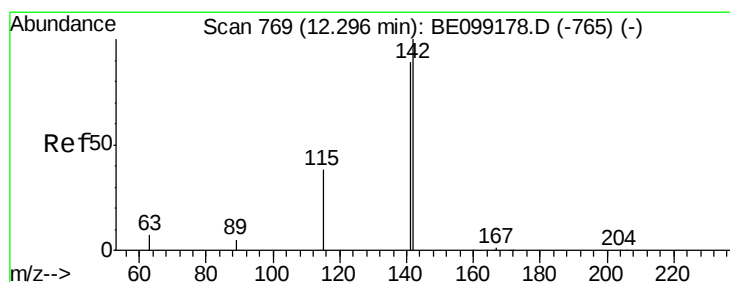
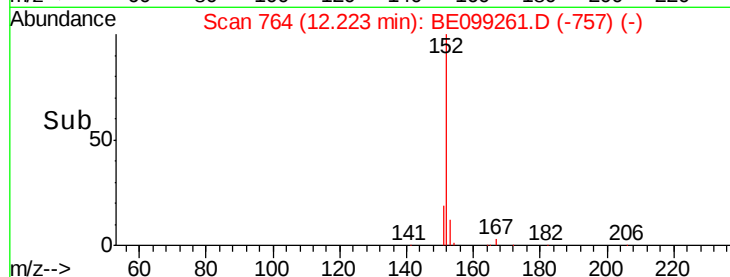
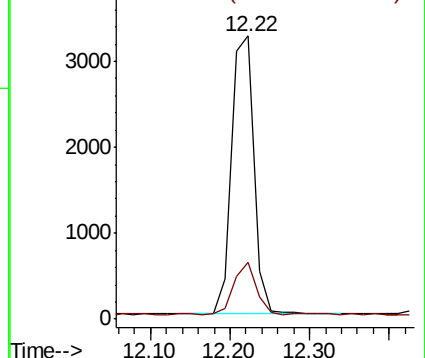
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.049 ng

RT: 12.29 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099261.D

Acq: 29 Mar 2019 19:00

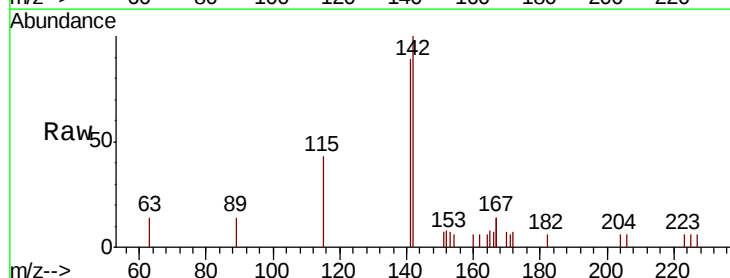
Tgt Ion:142 Resp: 1461

Ion Ratio Lower Upper

142 100

141 88.6 71.3 106.9

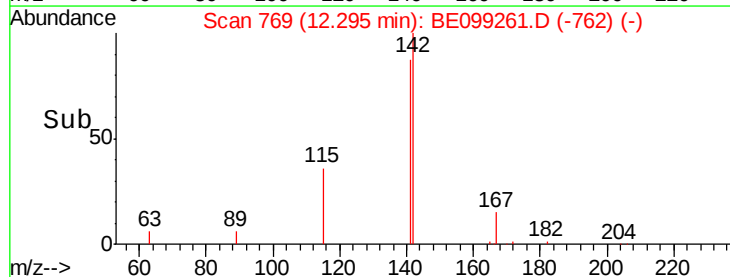
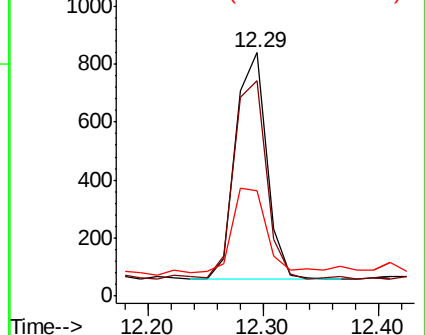
115 43.1 30.4 45.6

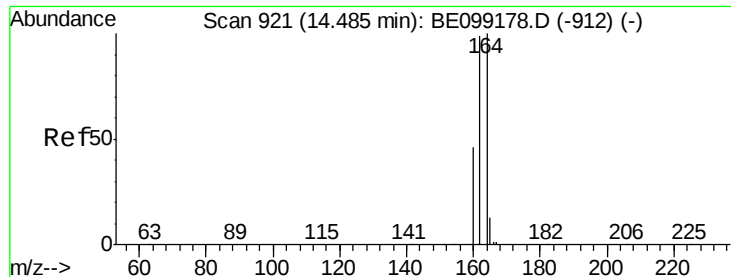


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





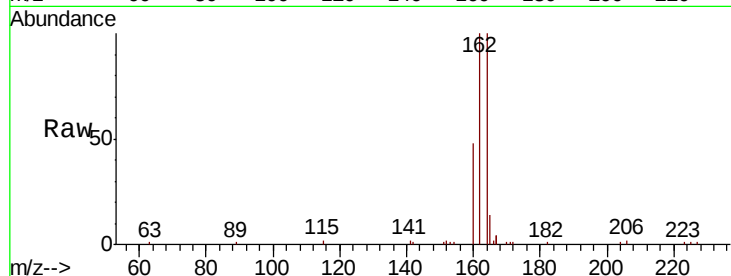
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.02 min
Lab File: BE099261.D
Acq: 29 Mar 2019 19:00

Instrument :
BNA_E
ClientSampleId :
PST-027-B110-032519

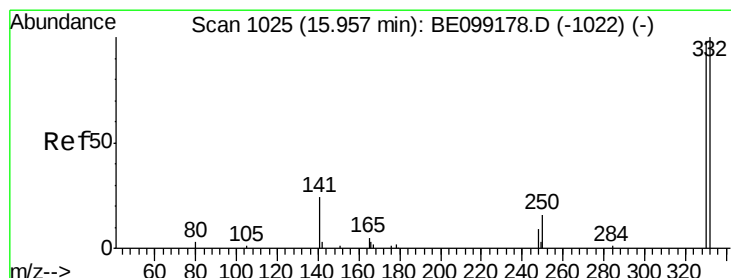
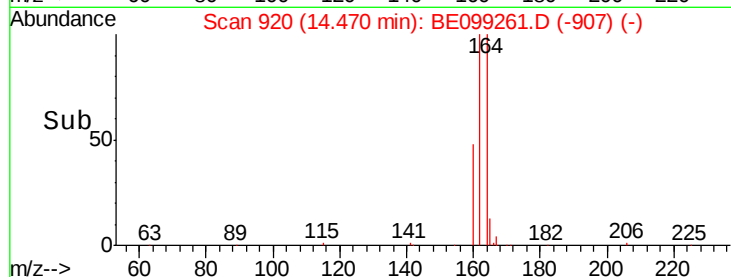
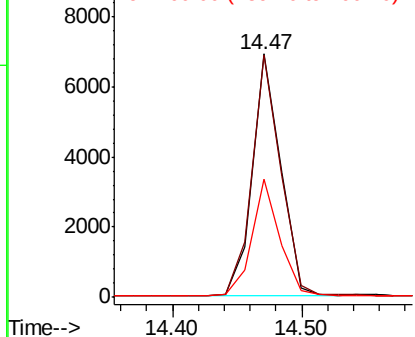
Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.2	118.8
160	48.5	36.7	55.1

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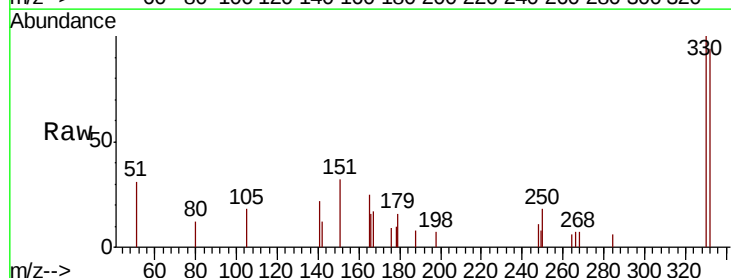


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

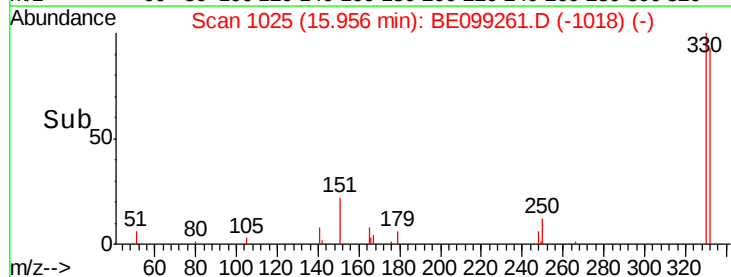
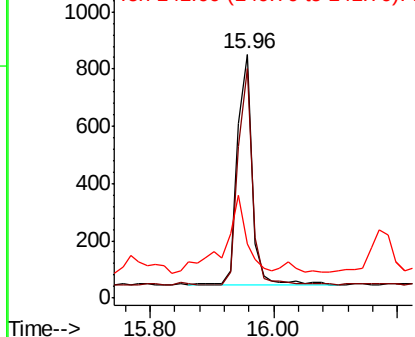


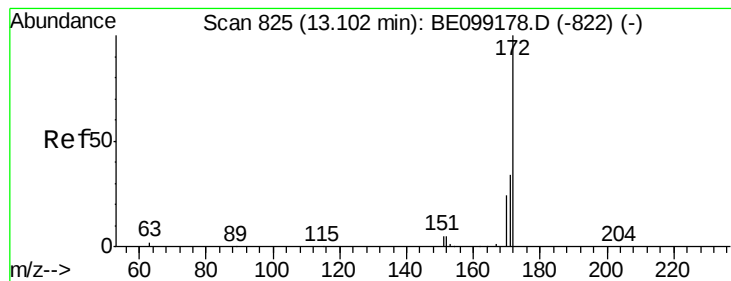
#14
2,4,6-Tribromophenol
Concen: 0.454 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099261.D
Acq: 29 Mar 2019 19:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.6	71.3	106.9
141	42.4	21.7	32.5



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





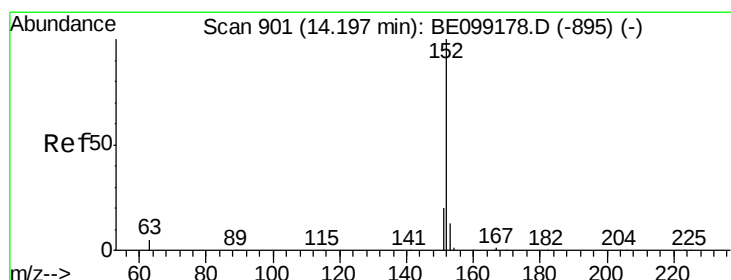
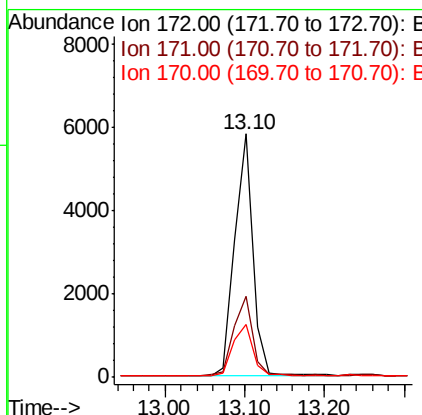
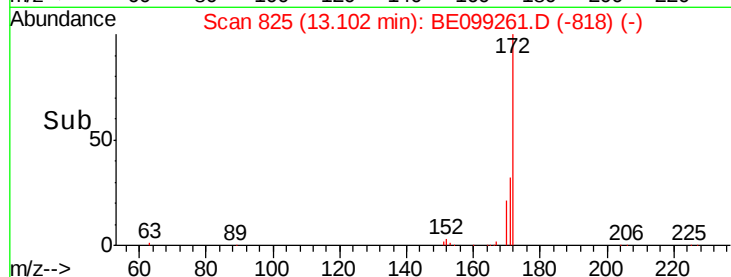
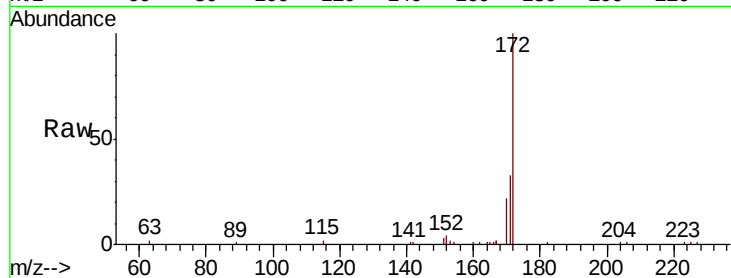
#15
2-Fluorobiphenyl
Concen: 0.213 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099261.D
Acq: 29 Mar 2019 19:00

Instrument :
BNA_E
ClientSampleId :
PST-027-B110-032519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.1	27.4	41.0
170	21.7	19.1	28.7

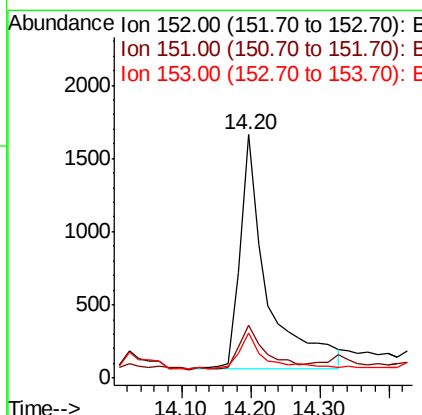
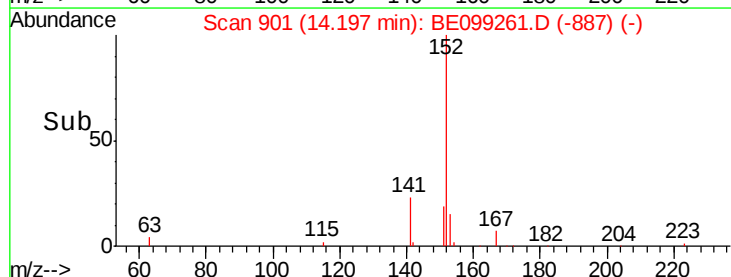
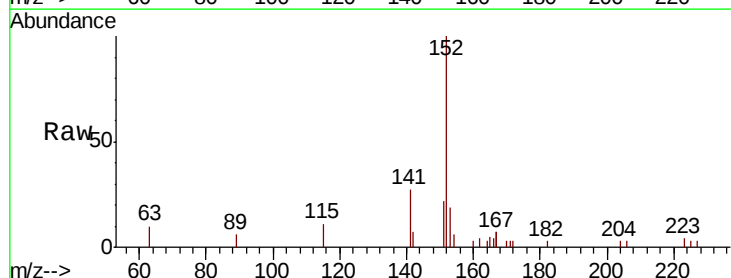
Manual Integrations
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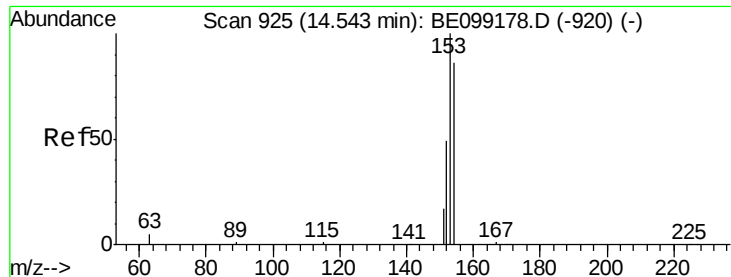
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#16
Acenaphthylene
Concen: 0.082 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE099261.D
Acq: 29 Mar 2019 19:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	13.9	10.6	15.8





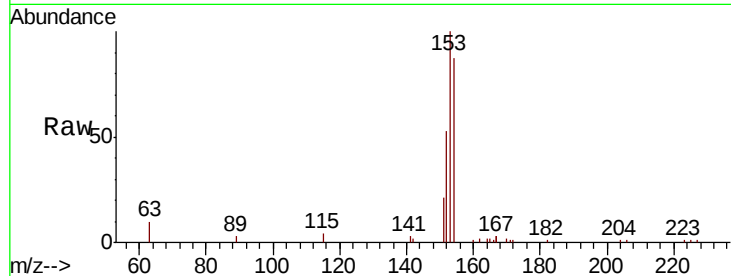
#17
Acenaphthene
Concen: 0.210 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.02 min
Lab File: BE099261.D
Acq: 29 Mar 2019 19:00

Instrument :
BNA_E
ClientSampleId :
PST-027-B110-032519

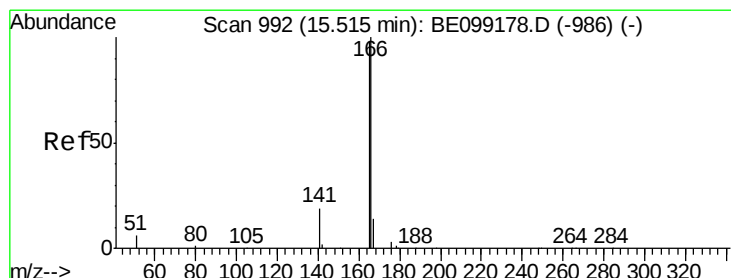
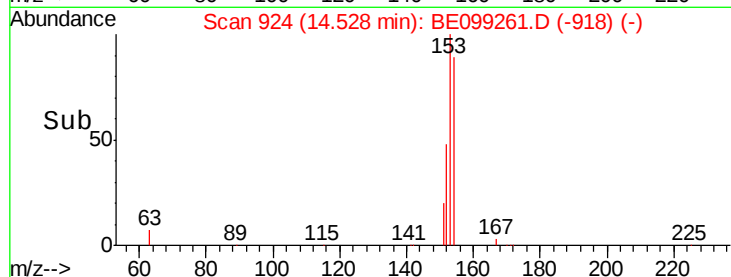
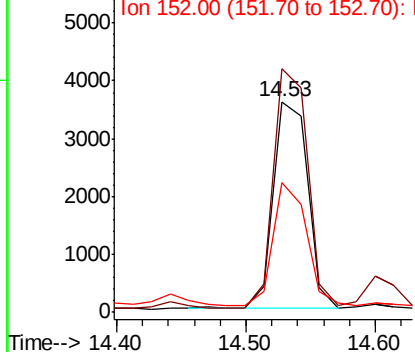
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	6659		
153	114.1	93.4	140.0	
152	57.3	46.6	69.8	

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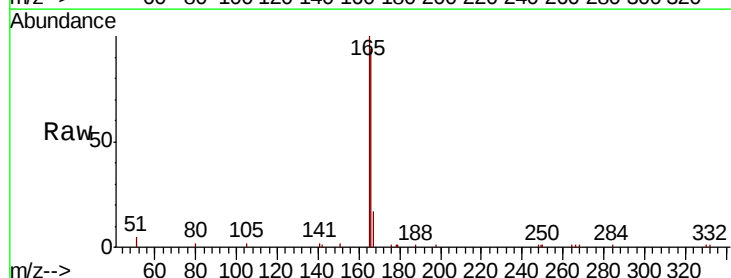


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

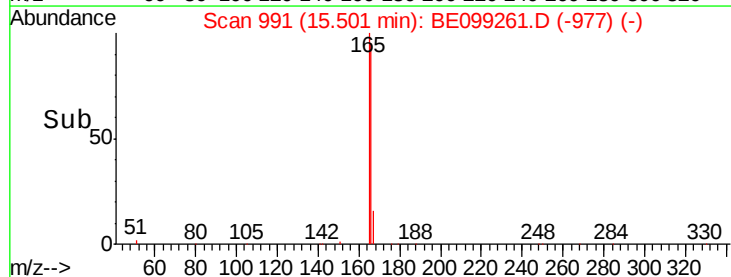
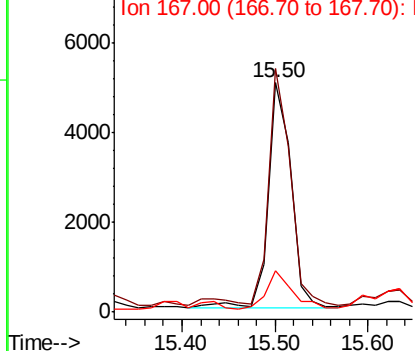


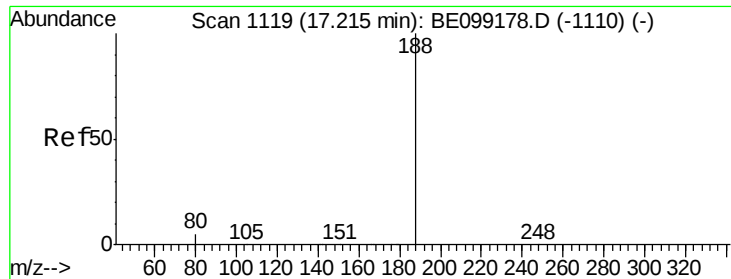
#18
Fluorene
Concen: 0.193 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.01 min
Lab File: BE099261.D
Acq: 29 Mar 2019 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	8607		
165	98.9	78.9	118.3	
167	19.1	10.9	16.3#	



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: 17.20 min Scan# 1118

Delta R.T. -0.01 min

Lab File: BE099261.D

Acq: 29 Mar 2019 19:00

Instrument :

BNA_E

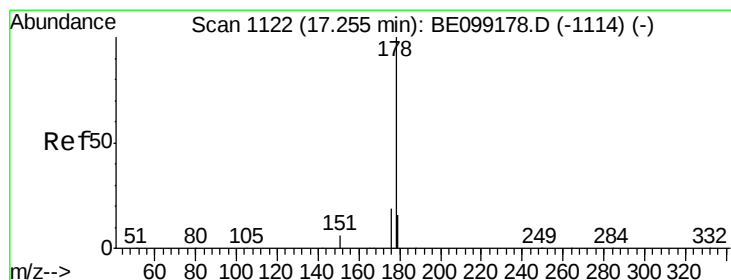
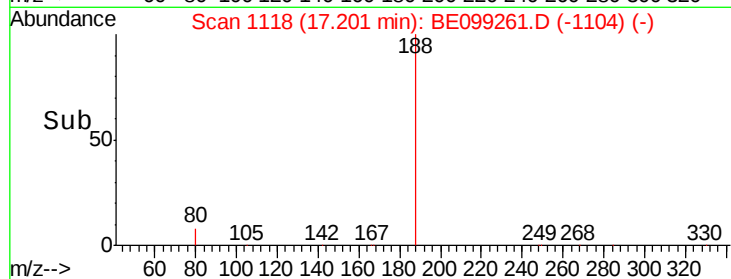
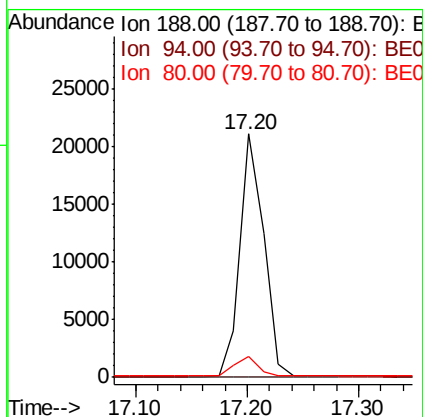
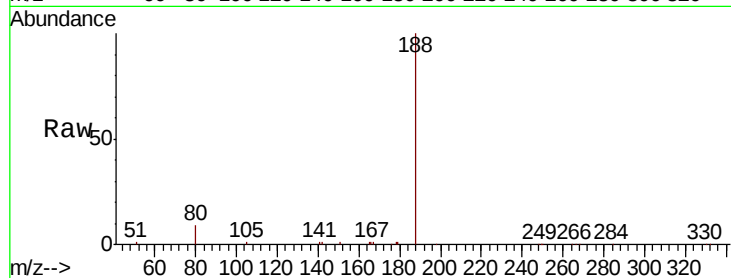
ClientSampleId :

PST-027-B110-032519

Tgt Ion:	188	Resp:	31257
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.8	4.5	6.7#

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#23

Phenanthrene

Concen: 2.198 ng

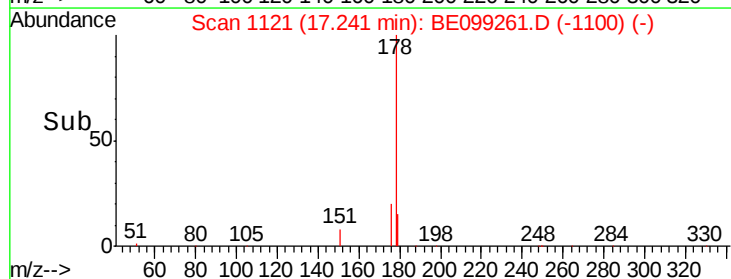
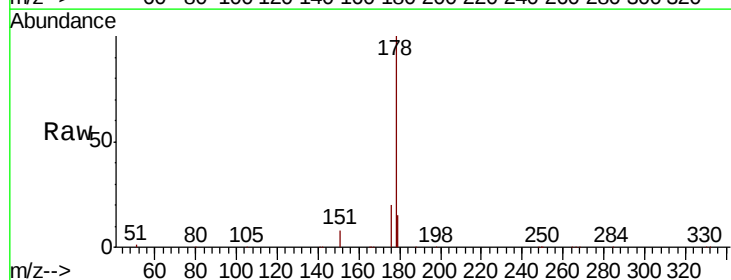
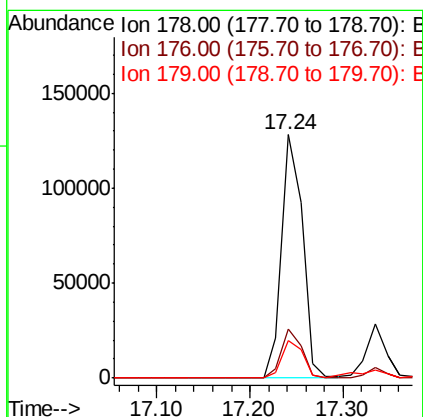
RT: 17.24 min Scan# 1121

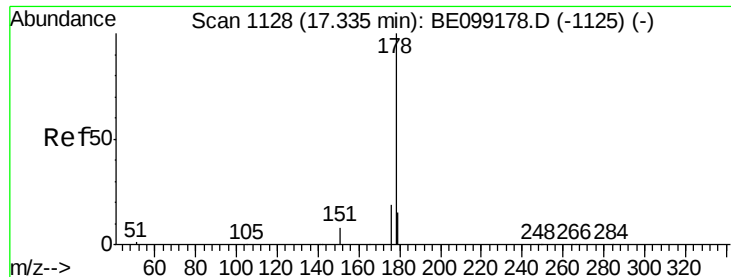
Delta R.T. -0.01 min

Lab File: BE099261.D

Acq: 29 Mar 2019 19:00

Tgt Ion:	178	Resp:	201786
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.4	23.2
179	15.5	12.3	18.5





#24

Anthracene

Concen: 0.468 ng

RT: 17.34 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BE099261.D

Acq: 29 Mar 2019 19:00

Instrument :

BNA_E

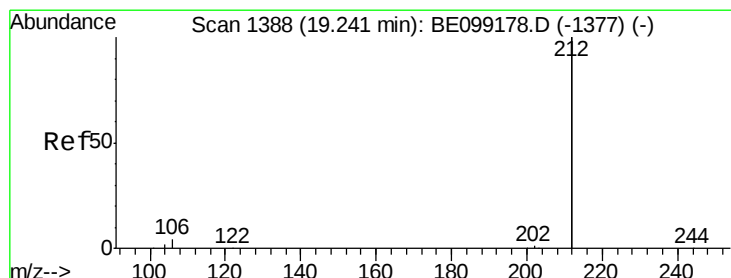
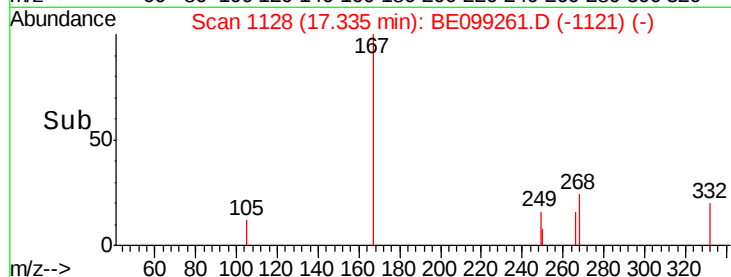
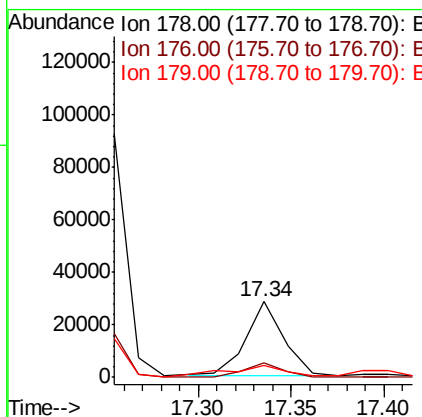
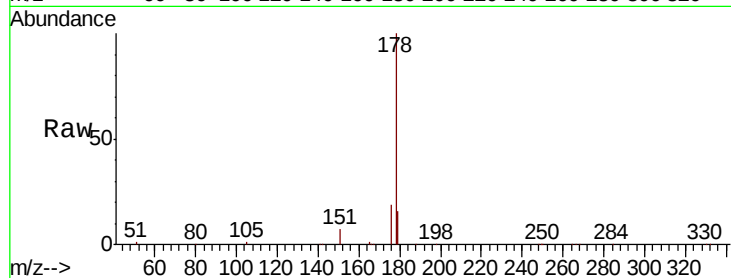
ClientSampleId :

PST-027-B110-032519

Tgt Ion:	178	Resp:	38791
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.1	22.7
179	22.3	12.4	18.6

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.228 ng

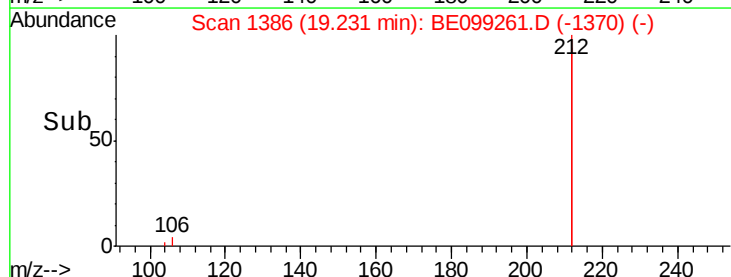
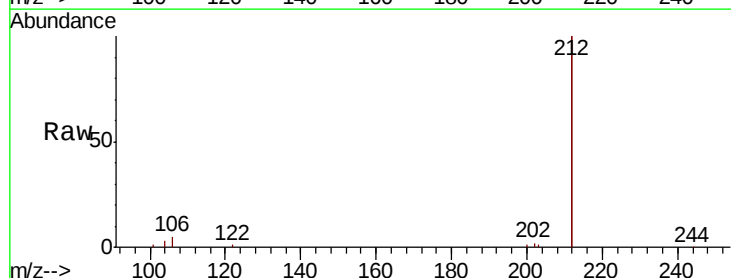
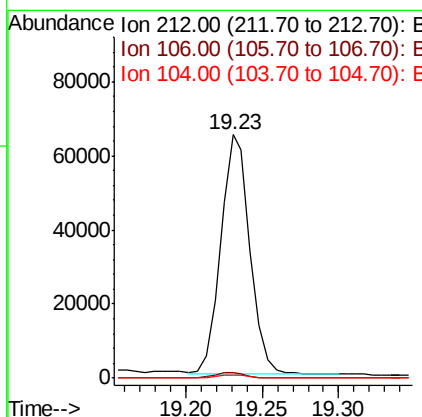
RT: 19.23 min Scan# 1386

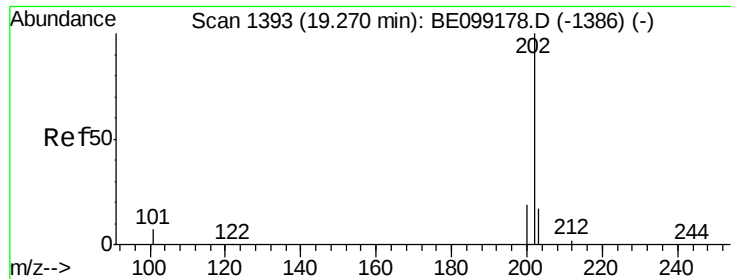
Delta R.T. -0.01 min

Lab File: BE099261.D

Acq: 29 Mar 2019 19:00

Tgt Ion:	212	Resp:	86450
Ion Ratio	Lower	Upper	
212	100		
106	2.2	1.8	2.8
104	1.3	1.1	1.7





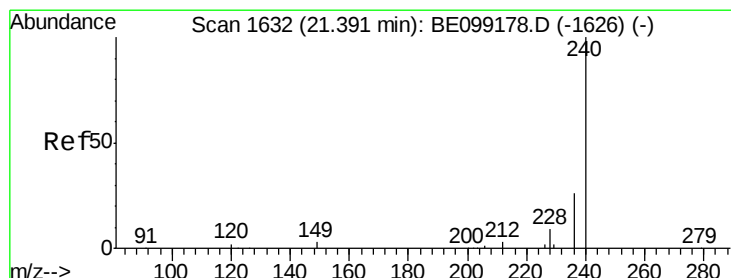
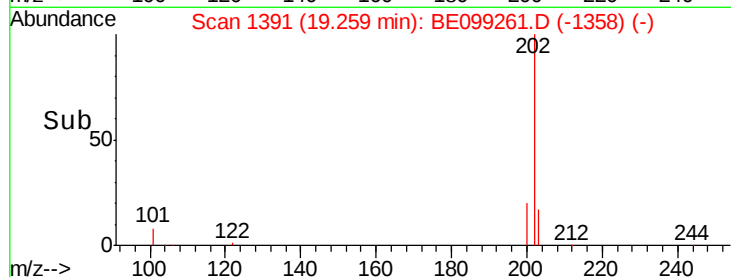
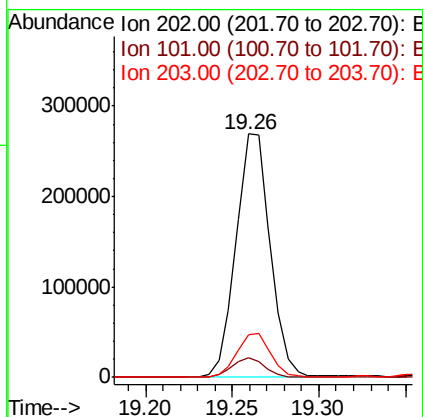
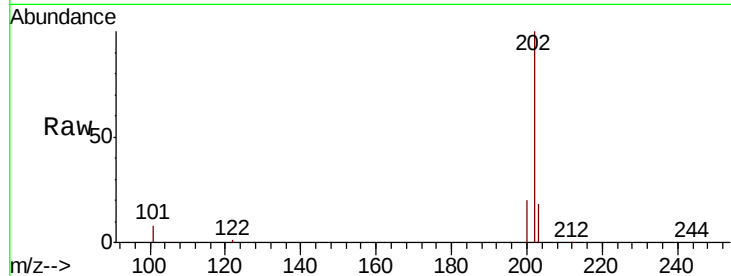
#26
 Fluoranthene
 Concen: 3.167 ng
 RT: 19.26 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BE099261.D
 Acq: 29 Mar 2019 19:00

Instrument :
 BNA_E
 ClientSampleId :
 PST-027-B110-032519

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	370954		
101	7.7		7.0	10.4
203	17.7		13.8	20.6

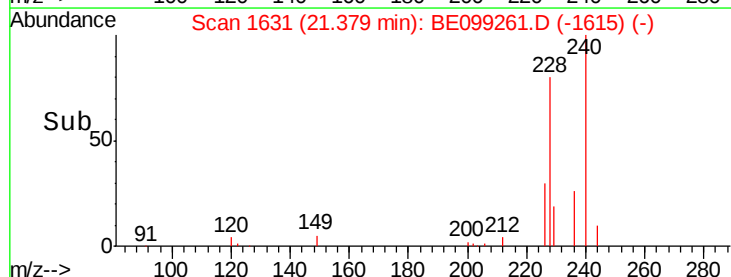
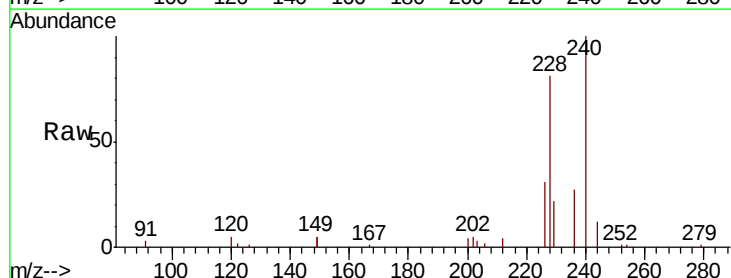
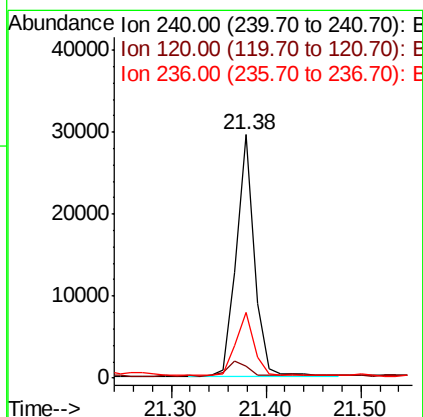
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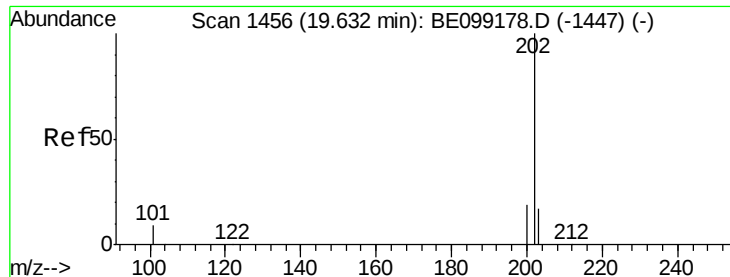
Sohil
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.38 min Scan# 1631
 Delta R.T. -0.01 min
 Lab File: BE099261.D
 Acq: 29 Mar 2019 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	38979		
120	4.7		2.6	3.8#
236	27.2		20.9	31.3





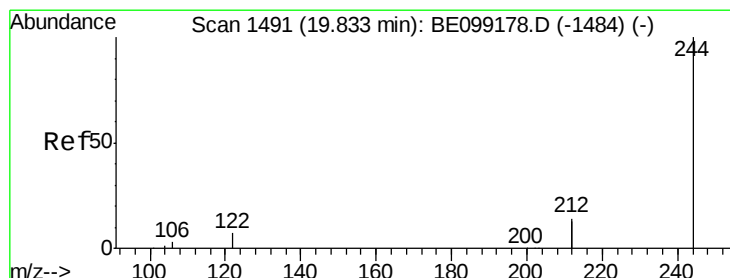
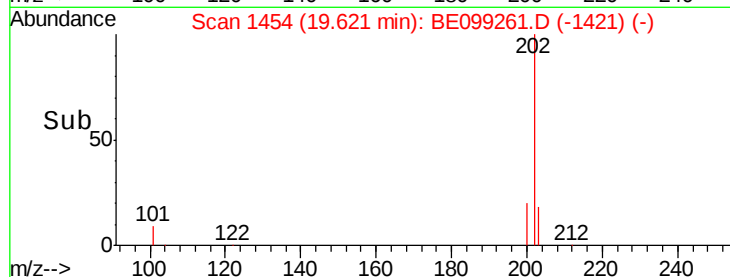
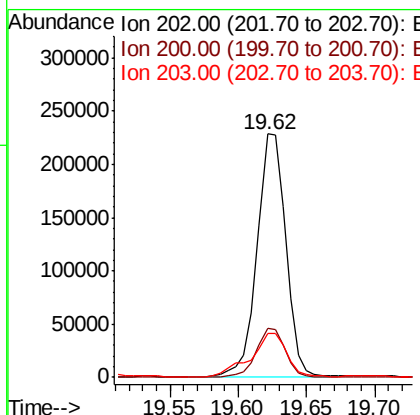
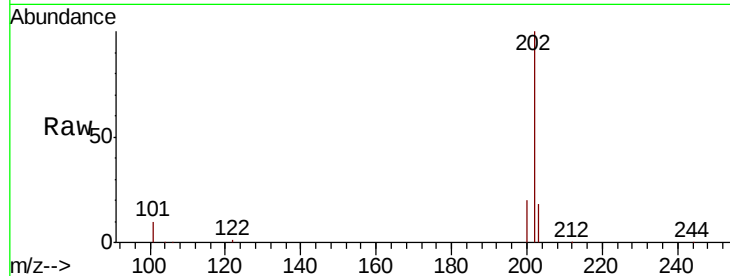
#28
 Pyrene
 Concen: 2.563 ng
 RT: 19.62 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BE099261.D
 Acq: 29 Mar 2019 19:00

Instrument :
 BNA_E
 ClientSampleId :
 PST-027-B110-032519

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.9	15.8	23.8
203	22.5	14.1	21.1

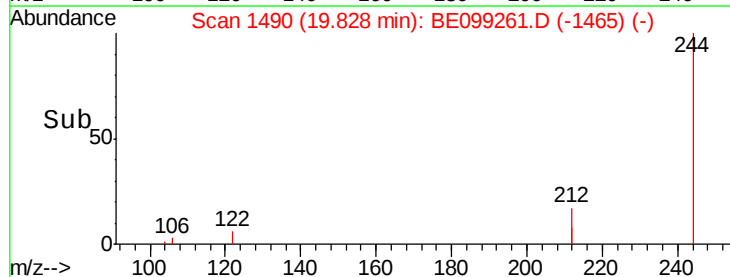
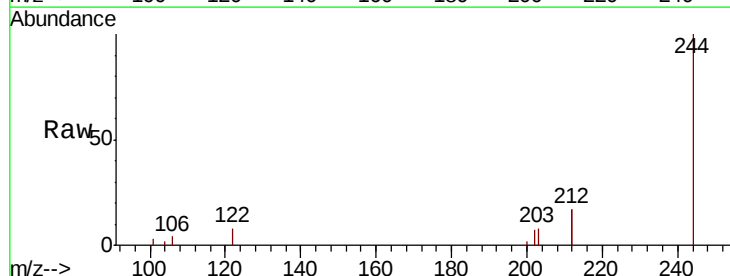
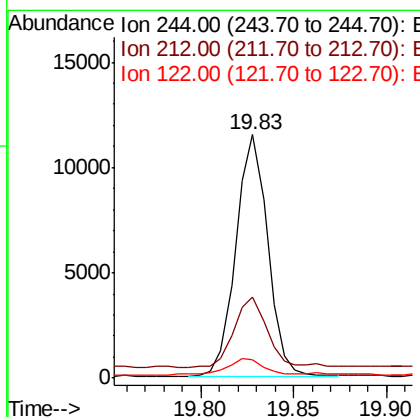
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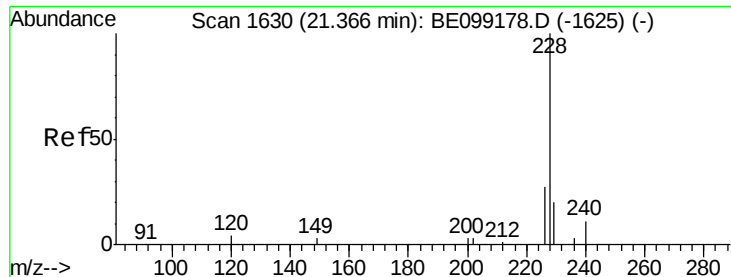
Sohil
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#29
 Terphenyl-d14
 Concen: 0.162 ng
 RT: 19.83 min Scan# 1490
 Delta R.T. -0.00 min
 Lab File: BE099261.D
 Acq: 29 Mar 2019 19:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	33.4	22.7	34.1
122	7.7	5.8	8.6





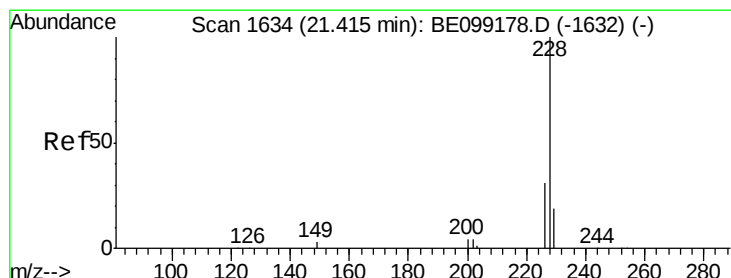
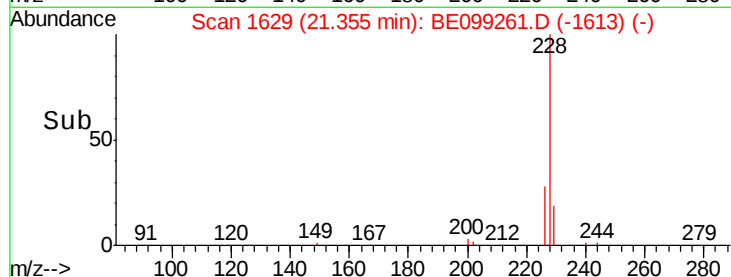
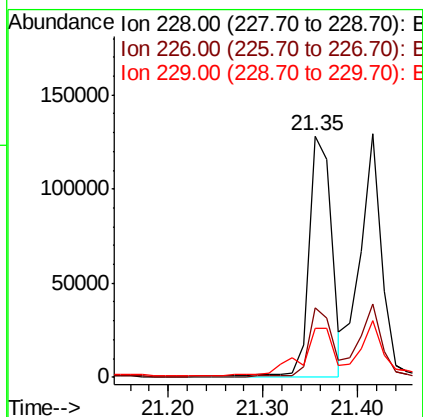
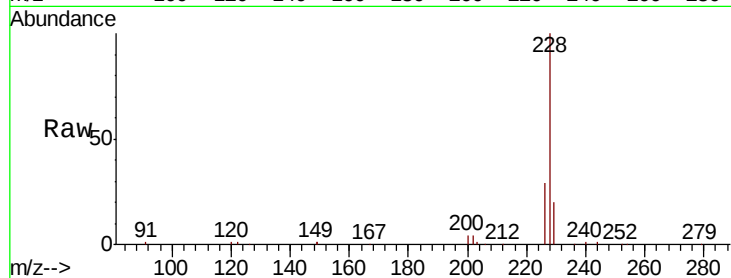
#30
Benzo(a)anthracene
Concen: 1.634 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.01 min
Lab File: BE099261.D
Acq: 29 Mar 2019 19:00

Instrument :
BNA_E
ClientSampleId :
PST-027-B110-032519

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.7	32.5
229	20.4	15.9	23.9

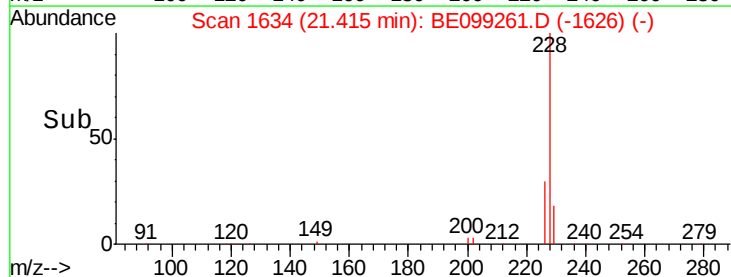
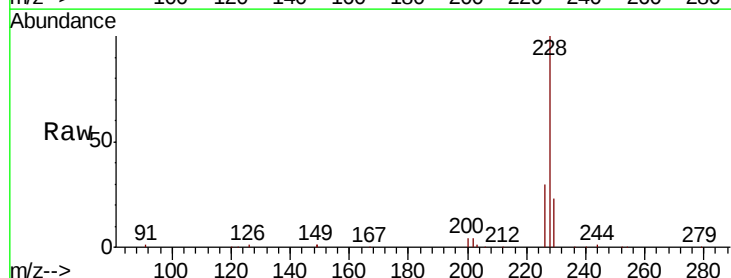
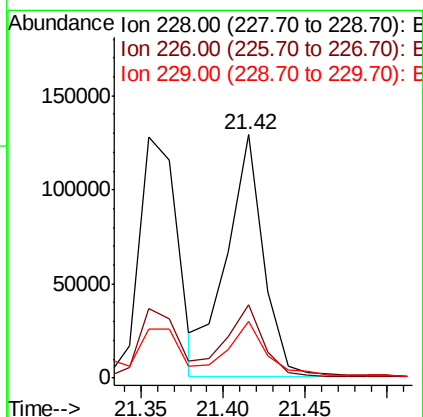
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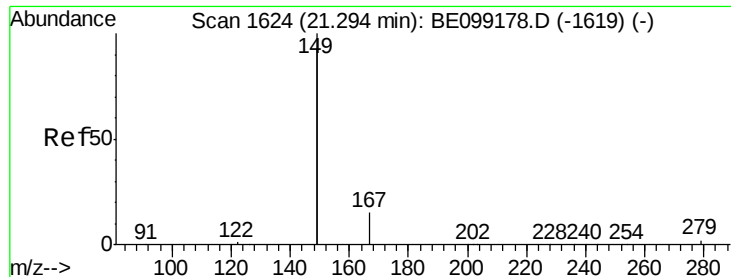
Sohil
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#31
Chrysene
Concen: 1.455 ng m
RT: 21.42 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099261.D
Acq: 29 Mar 2019 19:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.8	37.2
229	23.4	15.4	23.0#





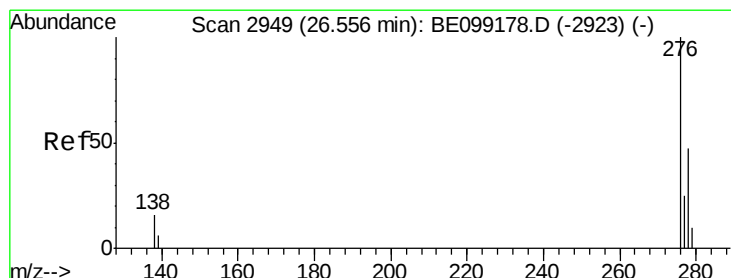
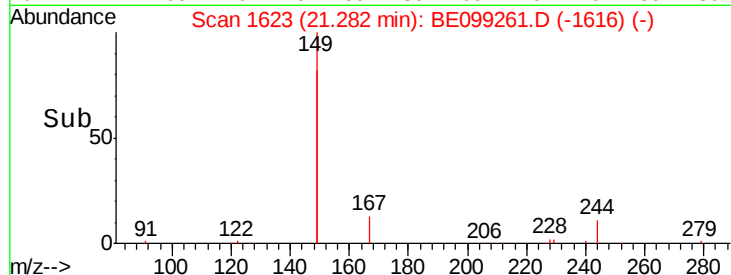
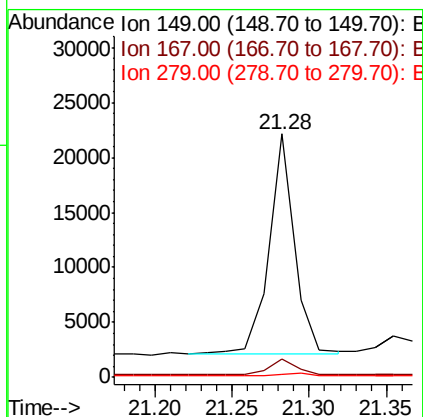
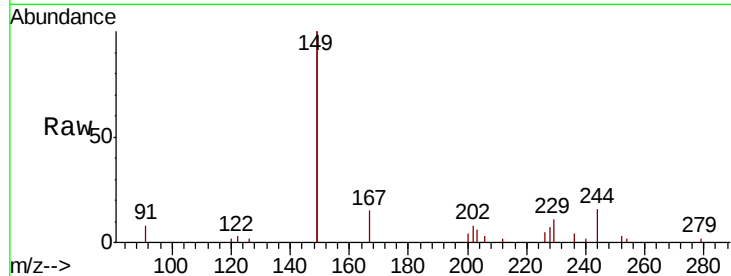
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.150 ng
 RT: 21.28 min Scan# 1623
 Delta R.T. -0.01 min
 Lab File: BE099261.D
 Acq: 29 Mar 2019 19:00

Instrument :
 BNA_E
 ClientSampleId :
 PST-027-B110-032519

Tgt Ion:	149	Resp:	22957
Ion Ratio	Lower	Upper	
149	100		
167	8.2	5.9	8.9
279	1.5	1.0	1.6

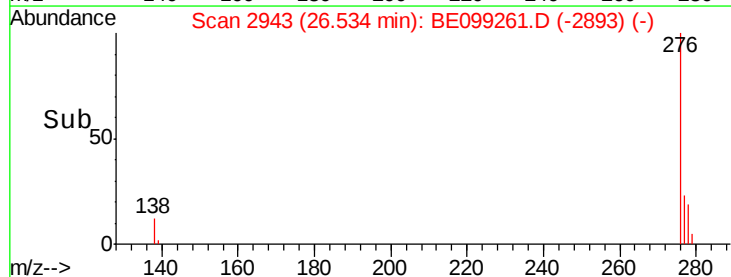
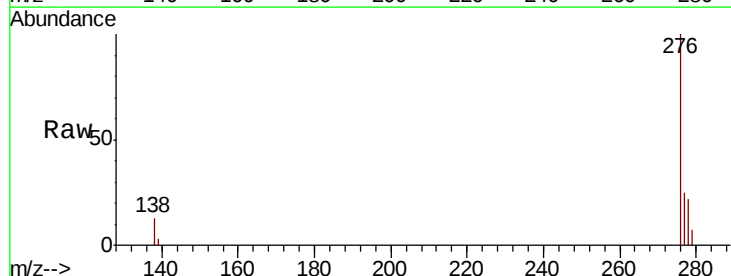
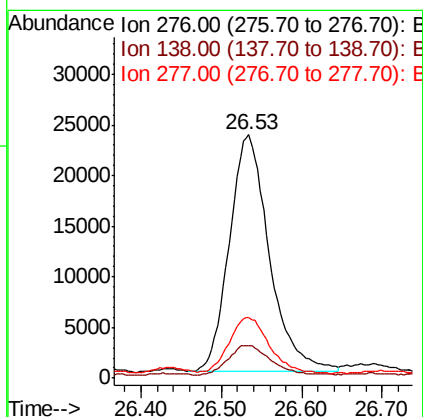
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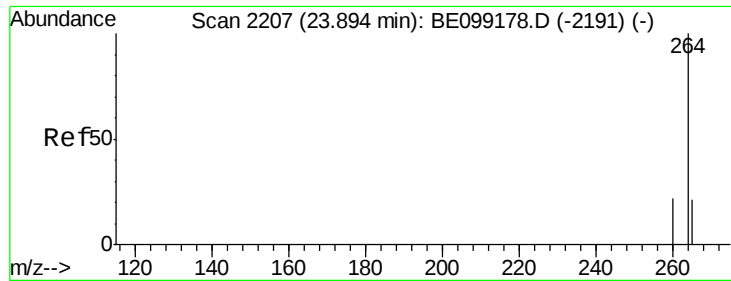
Sohil
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.623 ng
 RT: 26.53 min Scan# 2943
 Delta R.T. -0.02 min
 Lab File: BE099261.D
 Acq: 29 Mar 2019 19:00

Tgt Ion:	276	Resp:	80986
Ion Ratio	Lower	Upper	
276	100		
138	12.8	12.9	19.3#
277	23.7	18.3	27.5





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.89 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BE099261.D

Acq: 29 Mar 2019 19:00

Instrument :

BNA_E

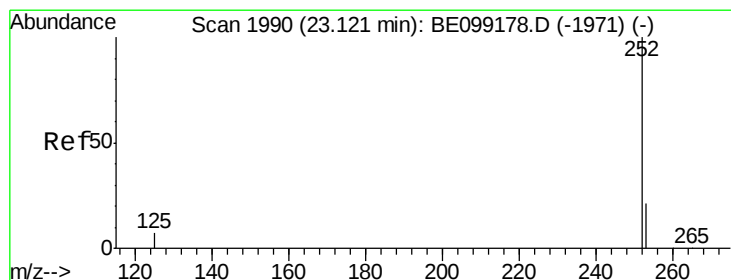
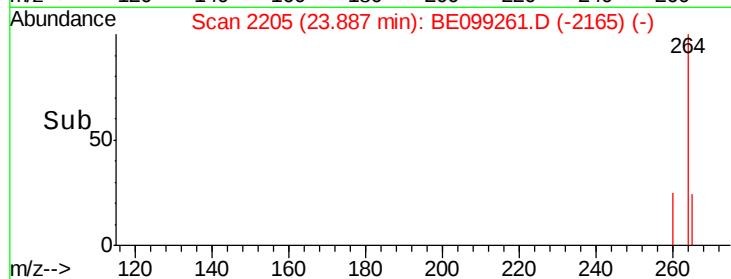
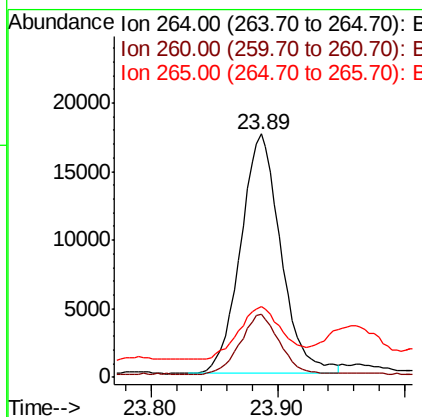
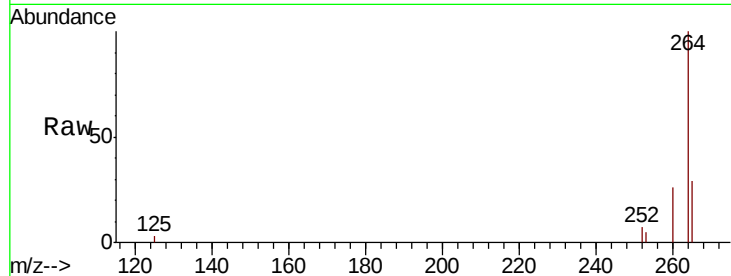
ClientSampleId :

PST-027-B110-032519

Tgt Ion:	264	Resp:	38793
Ion Ratio	Lower	Upper	
264	100		
260	26.0	18.2	27.2
265	28.9	21.8	32.8

Manual Integrations
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#35

Benzo(b)fluoranthene

Concen: 1.545 ng

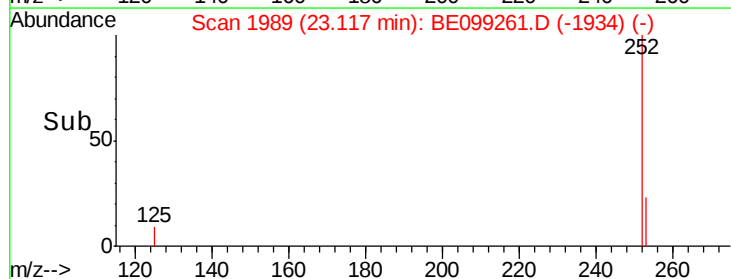
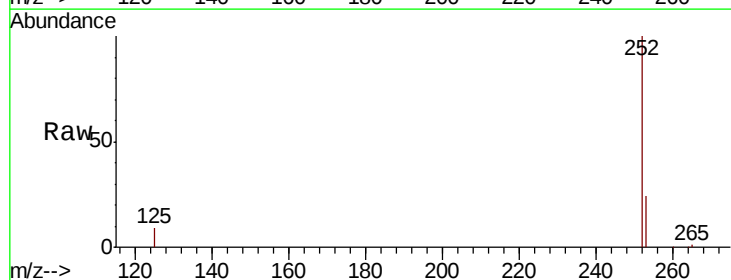
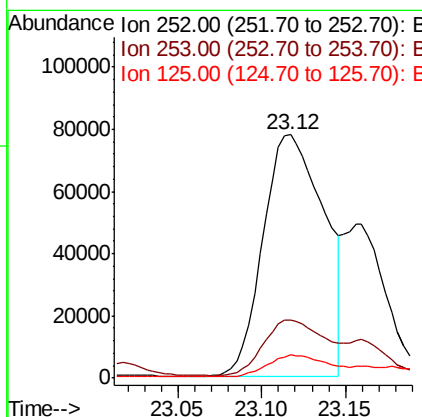
RT: 23.12 min Scan# 1989

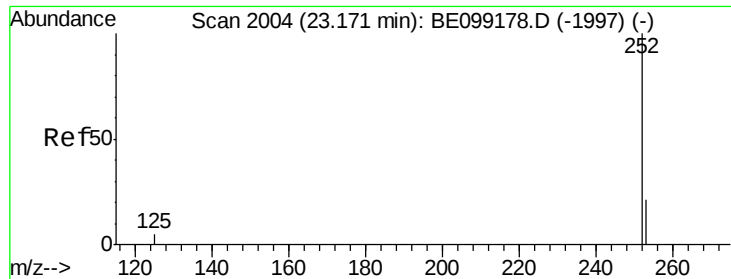
Delta R.T. -0.00 min

Lab File: BE099261.D

Acq: 29 Mar 2019 19:00

Tgt Ion:	252	Resp:	197190
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.8	26.8
125	9.4	6.1	9.1#





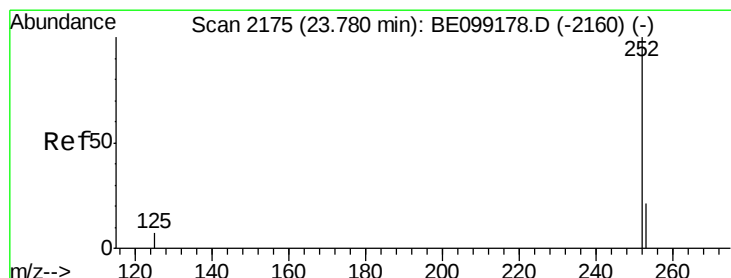
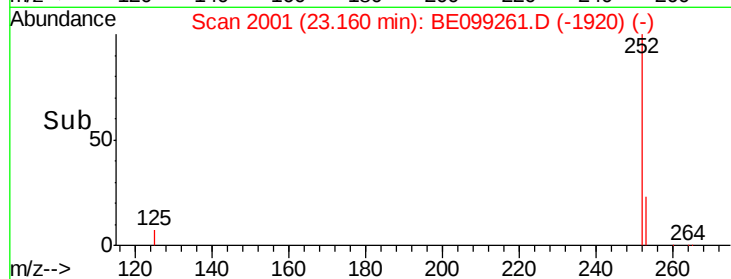
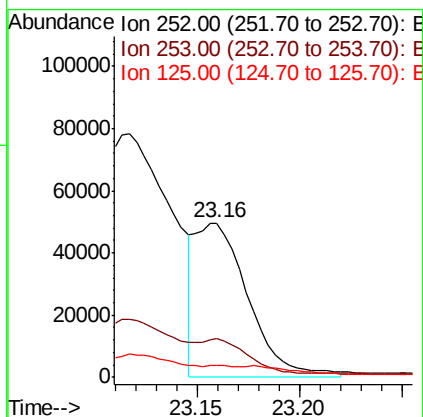
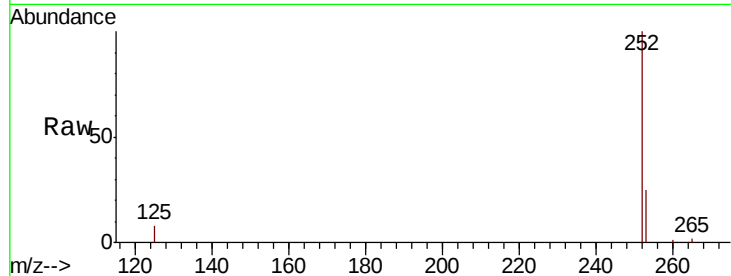
#36
Benzo(k)fluoranthene
Concen: 0.665 ng m
RT: 23.16 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BE099261.D
Acq: 29 Mar 2019 19:00

Instrument :
BNA_E
ClientSampleId :
PST-027-B110-032519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.6
125	7.9	5.9	8.9

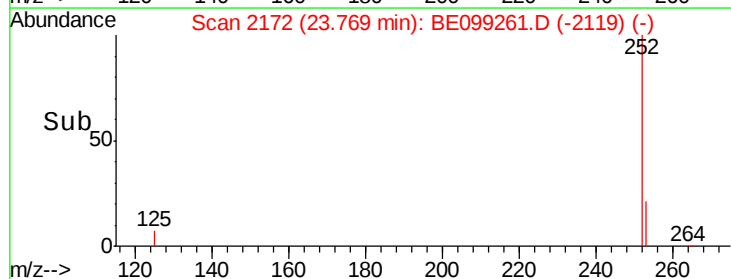
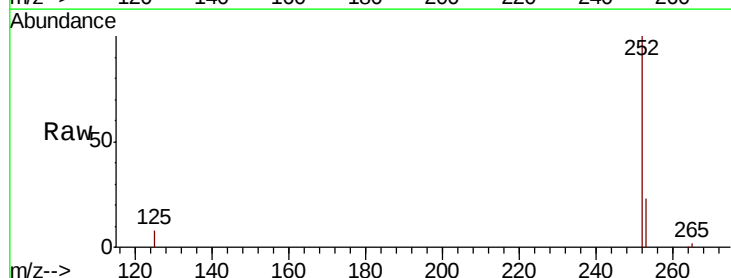
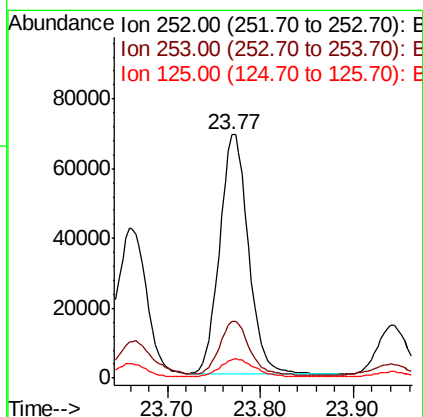
Manual Integrations
APPROVED

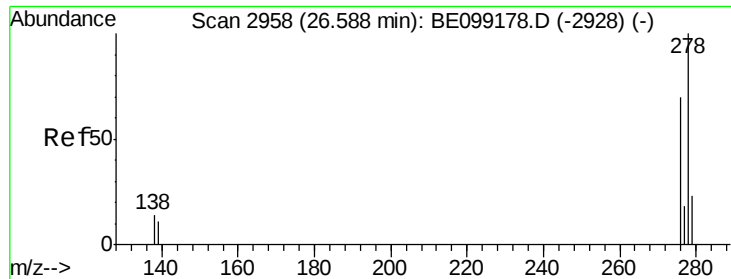
Sohil
4/1/2019 5:45:13 PM



#37
Benzo(a)pyrene
Concen: 1.238 ng
RT: 23.77 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BE099261.D
Acq: 29 Mar 2019 19:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	7.7	6.8	10.2





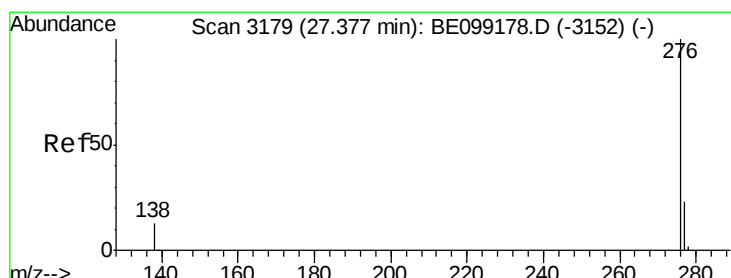
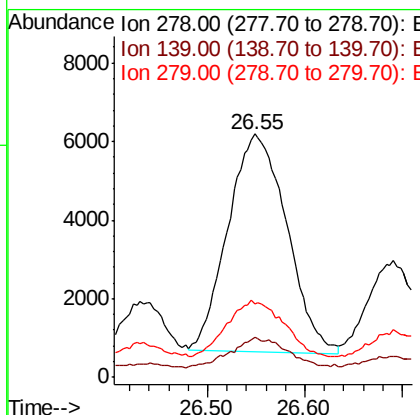
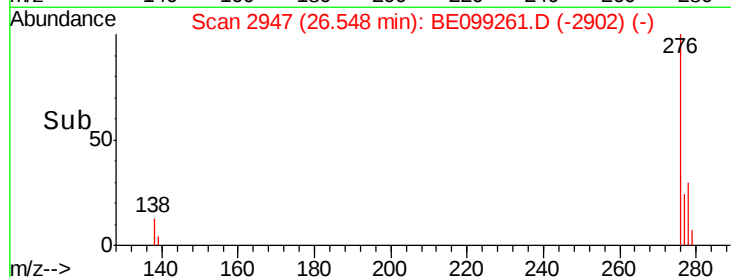
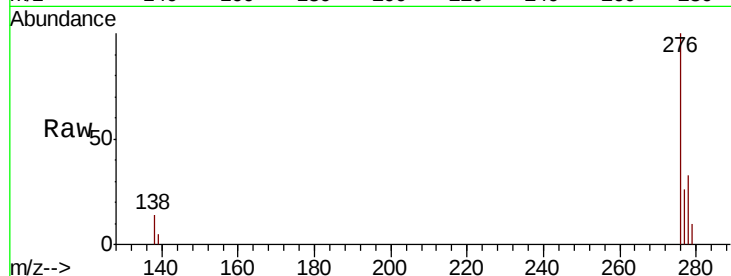
#38
Dibenzo(a,h)anthracene
Concen: 0.220 ng
RT: 26.55 min Scan# 2947
Delta R.T. -0.04 min
Lab File: BE099261.D
Acq: 29 Mar 2019 19:00

Instrument :
BNA_E
ClientSampleId :
PST-027-B110-032519

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.3	9.5	14.3#
279	30.3	19.1	28.7#

Manual Integrations
APPROVED

Sohil
4/1/2019 5:45:13 PM



#39
Benzo(g,h,i)perylene
Concen: 0.694 ng
RT: 27.35 min Scan# 3173
Delta R.T. -0.02 min
Lab File: BE099261.D
Acq: 29 Mar 2019 19:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.4
138	14.2	11.1	16.7

