

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099124.D
 Acq On : 23 Mar 2019 23:25
 Operator : JU/SJ
 Sample : K2014-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-B124-031919

Manual Integrations
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Sohil
 3/25/2019 12:37:18 PM

Quant Time: Mar 24 03:46:54 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032219.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Mar 23 04:40:11 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3139	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	11866	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	8397	0.40	ng	0.00
19) Phenanthrene-d10	17.22	188	25462	0.40	ng	0.00
27) Chrysene-d12	21.39	240	39828	0.40	ng	0.00
34) Perylene-d12	23.90	264	43018	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	3180	0.34	ng	0.00
5) Phenol-d6	6.99	99	4487	0.33	ng	0.00
8) Nitrobenzene-d5	8.99	82	3099	0.60	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	6435	0.30	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1298	0.53	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	9713	0.29	ng	-0.01
25) Fluoranthene-d10	19.24	212	107195	0.32	ng	0.00
29) Terphenyl-d14	19.83	244	21135	0.25	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.68	128	3424	0.024	ng	# 94
12) 2-Methylnaphthalene	12.30	142	575	0.024	ng	# 83
16) Acenaphthylene	14.20	152	4072	0.091	ng	# 94
18) Fluorene	15.52	166	1786	0.046	ng	# 88
23) Phenanthrene	17.26	178	44039	0.583	ng	98
24) Anthracene	17.35	178	4555	0.064	ng	98
26) Fluoranthene	19.27	202	87996	0.827	ng	99
28) Pyrene	19.63	202	107420	0.795	ng	95
30) Benzo(a)anthracene	21.37	228	53561	0.382	ng	99
31) Chrysene	21.43	228	58169	0.415	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	44846	0.246	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	27626	0.183	ng	98
35) Benzo(b)fluoranthene	23.12	252	58141	0.391	ng	98
36) Benzo(k)fluoranthene	23.17	252	22732m	0.156	ng	
37) Benzo(a)pyrene	23.78	252	44972	0.327	ng	97
38) Dibenzo(a,h)anthracene	26.56	278	7589	0.057	ng	# 86
39) Benzo(a,h,i)perylene	27.37	276	31371	0.228	ng	98

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

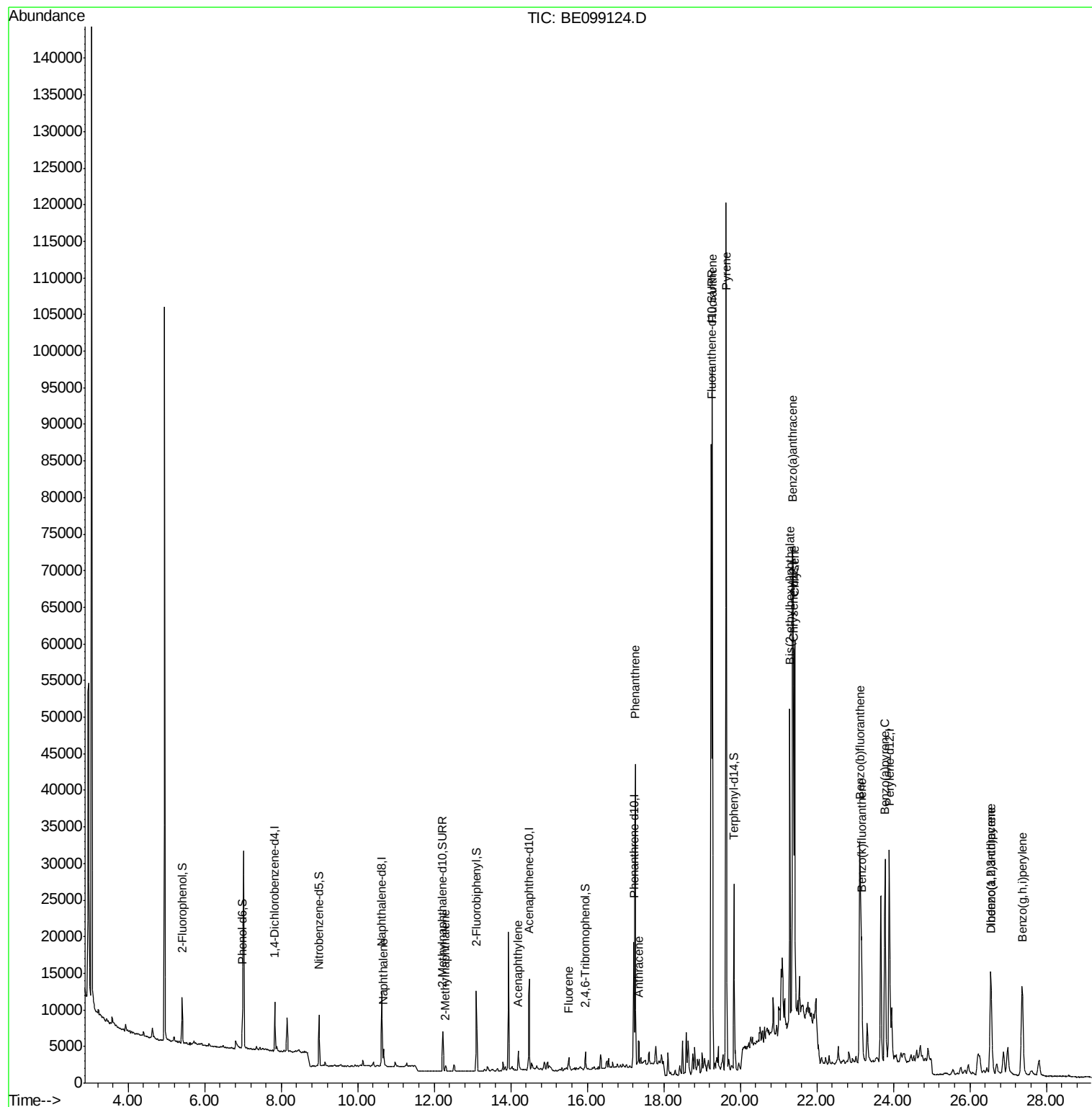
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
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#1

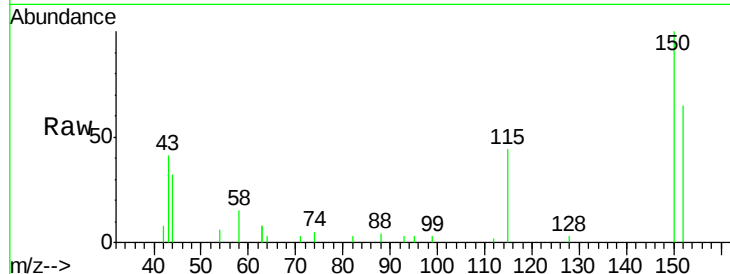
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Instrument :
BNA_E
ClientSampleId :
PST-026-B124-031919

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	122.5	183.7
115	67.6	57.4	86.2

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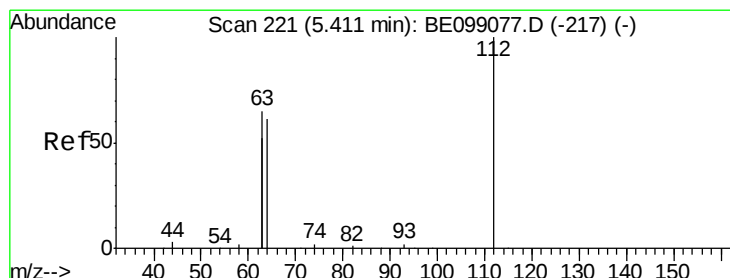
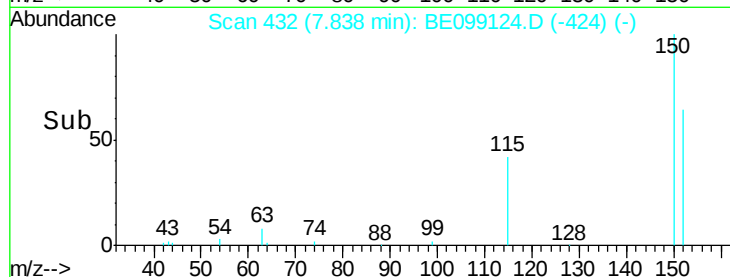
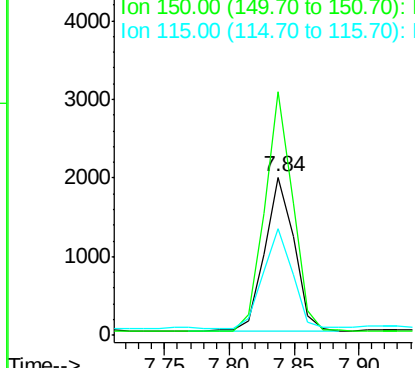


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

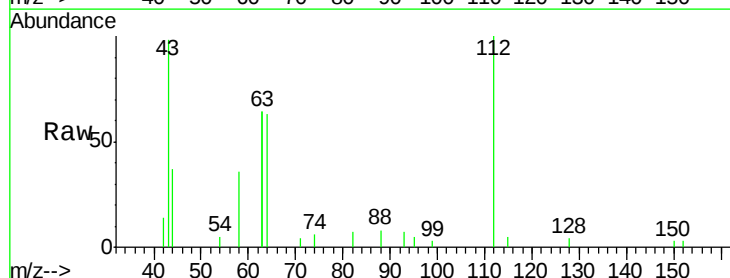
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.340 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	57.9	86.9#
63	121.0	158.3	237.5#

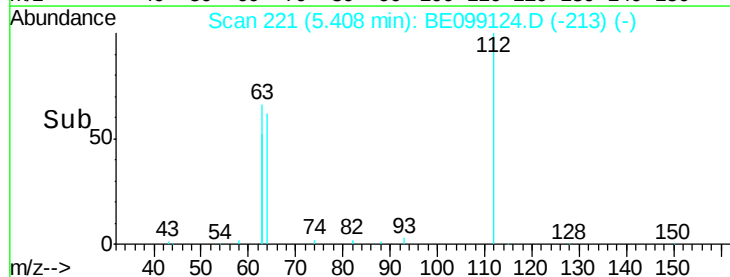
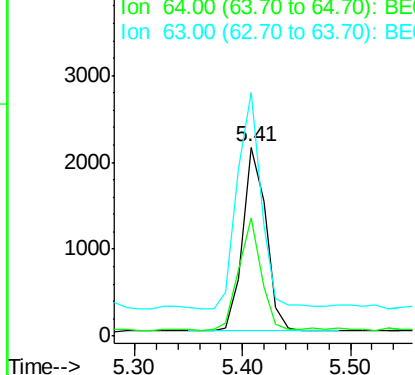


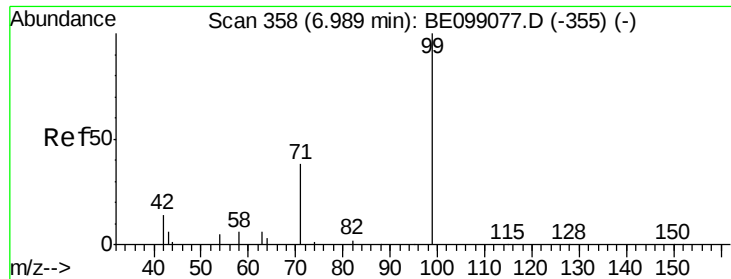
Abundance

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: 0.333 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099124.D

Acq: 23 Mar 2019 23:25

Instrument :

BNA_E

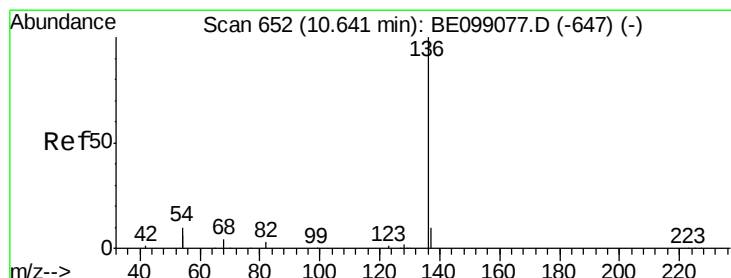
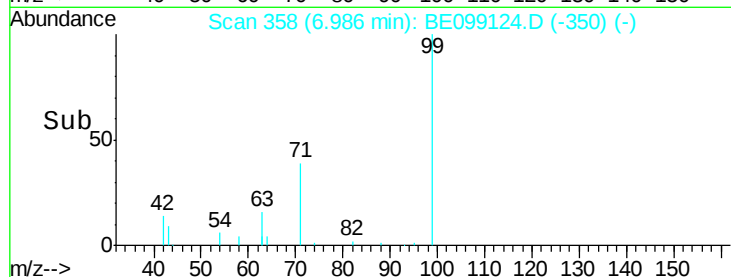
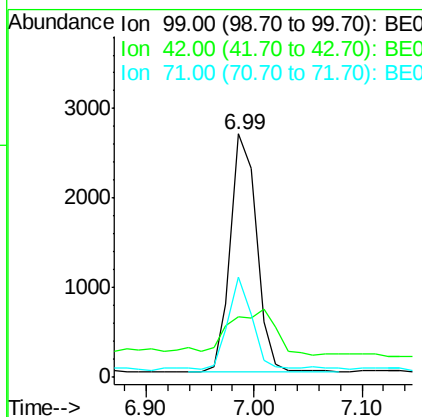
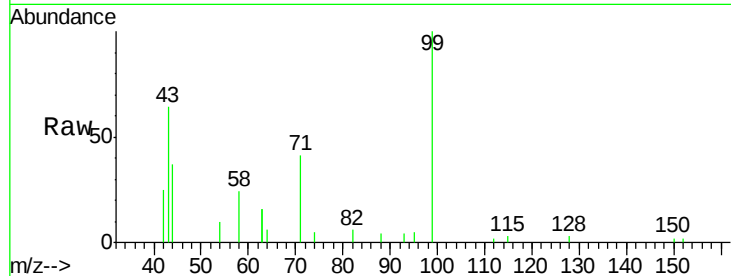
ClientSampleId :

PST-026-B124-031919

Tot Ion:	99	Resp:	4487
Ion Ratio	Lower	Upper	
99	100		
42	0.0	24.2	36.2#
71	37.8	35.7	53.5

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#7

Naphthalene-d8

Concen: 0.400 ng

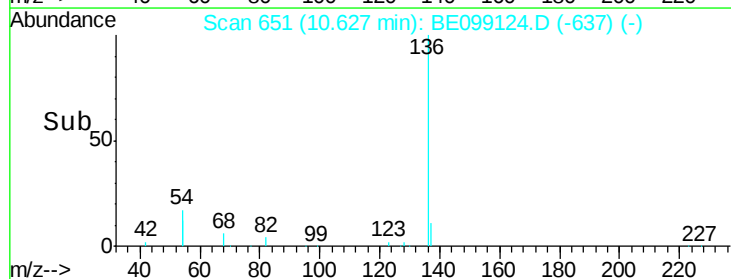
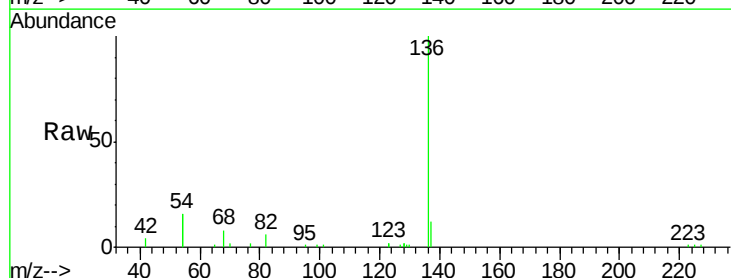
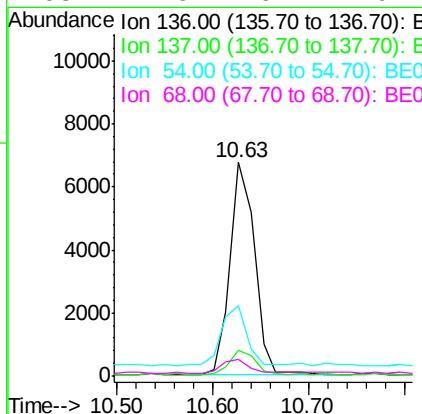
RT: 10.63 min Scan# 651

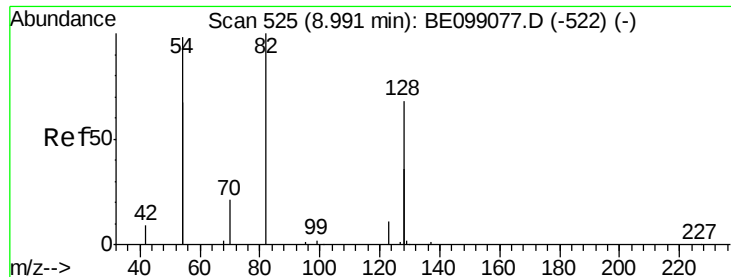
Delta R.T. -0.01 min

Lab File: BE099124.D

Acq: 23 Mar 2019 23:25

Tgt Ion:	136	Resp:	11866
Ion Ratio	Lower	Upper	
136	100		
137	11.8	11.4	17.0
54	32.9	39.3	58.9#
68	7.6	6.7	10.1





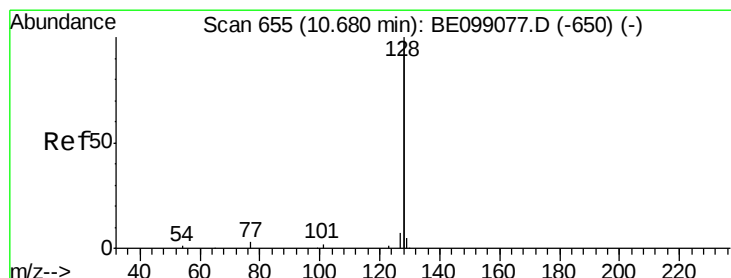
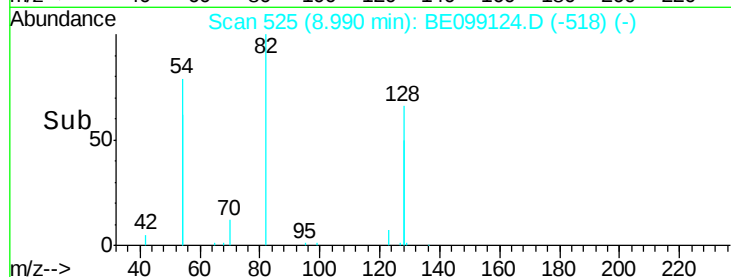
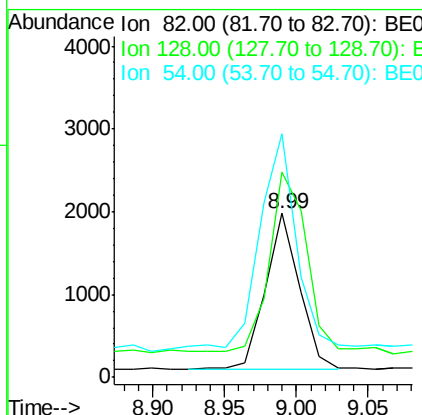
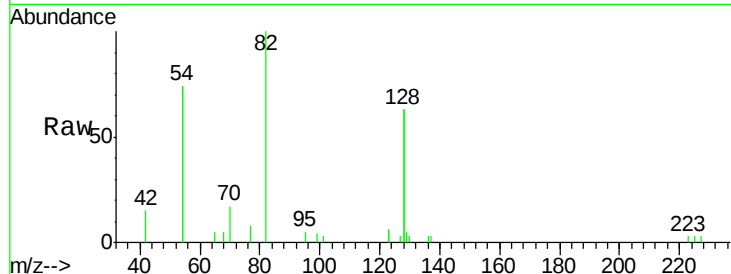
#8
 Nitrobenzene-d5
 Concen: 0.597 ng
 RT: 8.99 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: BE099124.D
 Acq: 23 Mar 2019 23:25

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-B124-031919

Tot Ion	Ratio	Lower	Upper
82	100		
128	125.4	123.8	185.8
54	148.6	203.4	305.2#

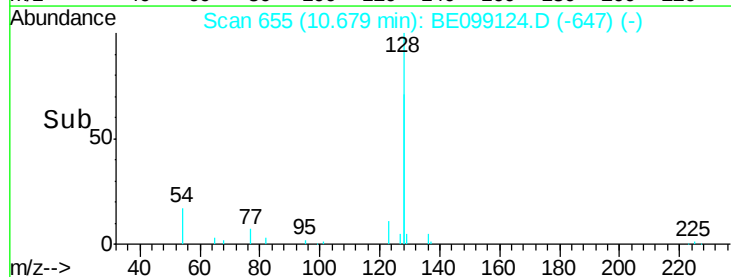
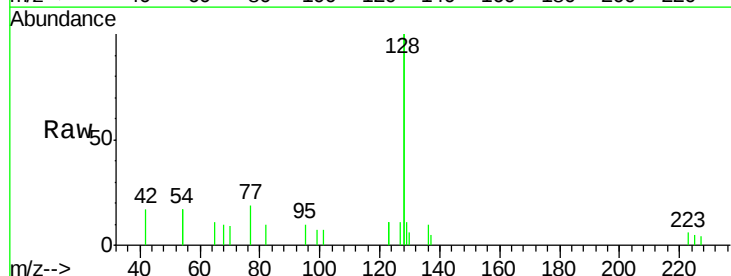
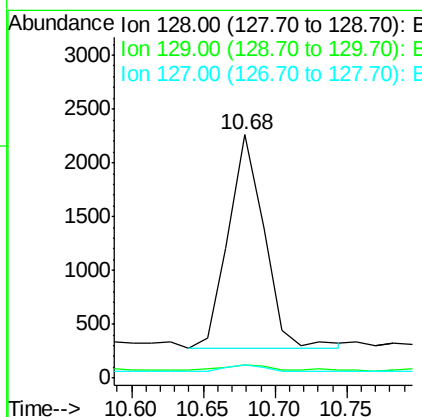
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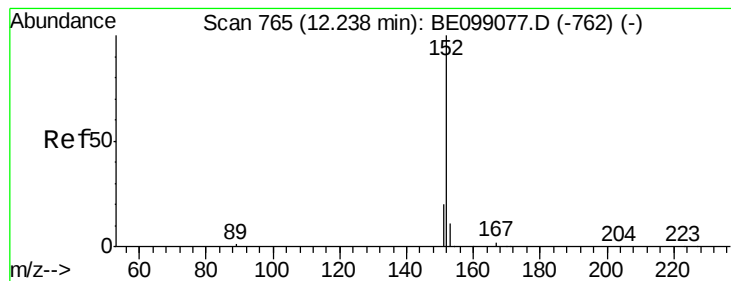
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#9
 Naphthalene
 Concen: 0.024 ng
 RT: 10.68 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: BE099124.D
 Acq: 23 Mar 2019 23:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	5.7	2.6	4.0#
127	5.5	3.1	4.7#





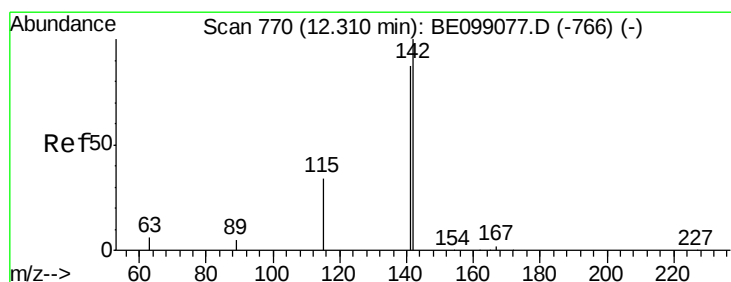
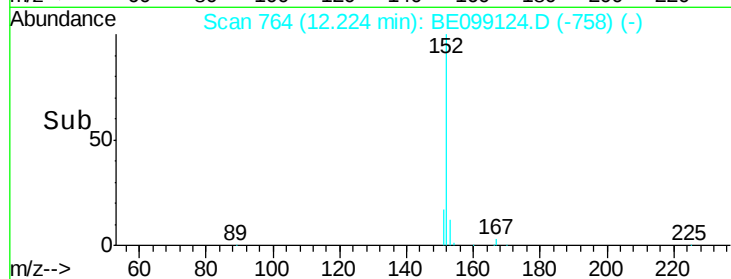
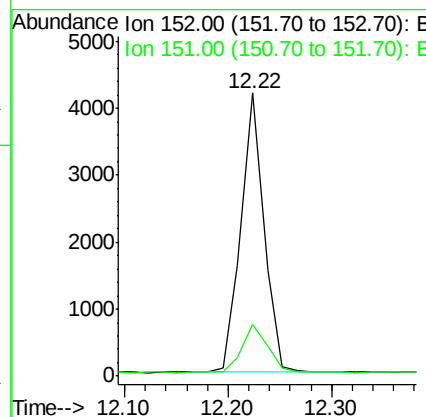
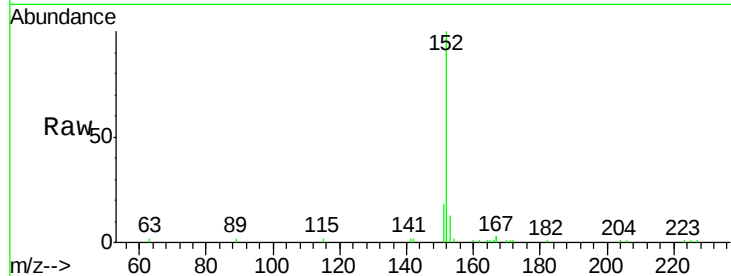
#11
2-Methylnaphthalene-d10
Concen: 0.301 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.01 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Instrument :
BNA_E
ClientSampleId :
PST-026-B124-031919

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.5	24.7

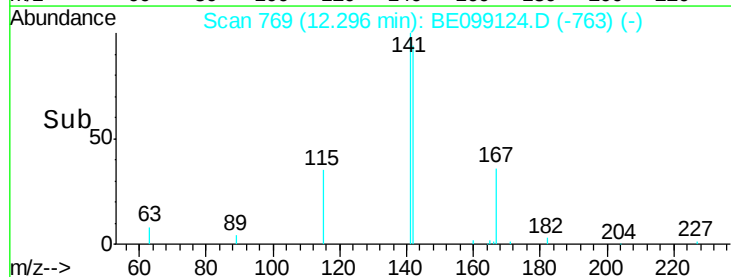
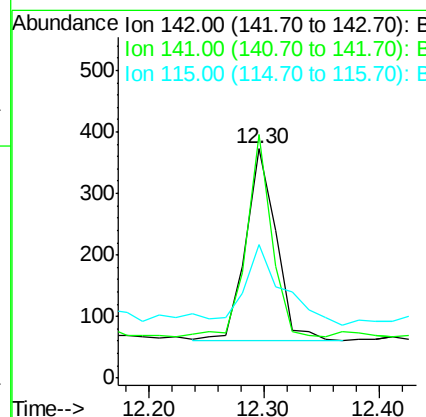
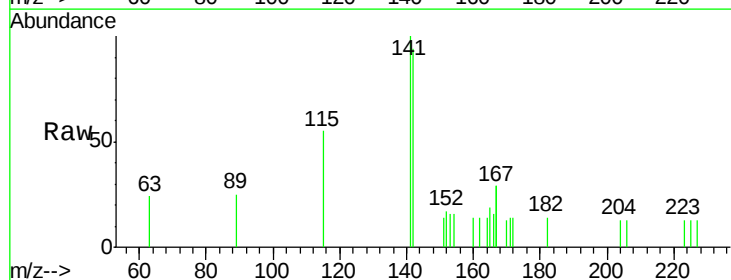
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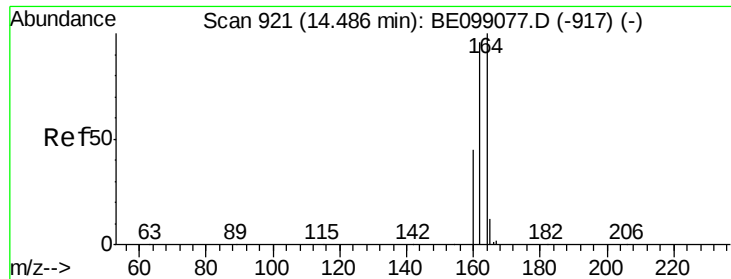
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#12
2-Methylnaphthalene
Concen: 0.024 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.01 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	106.5	72.6	108.8
115	58.3	37.4	56.2





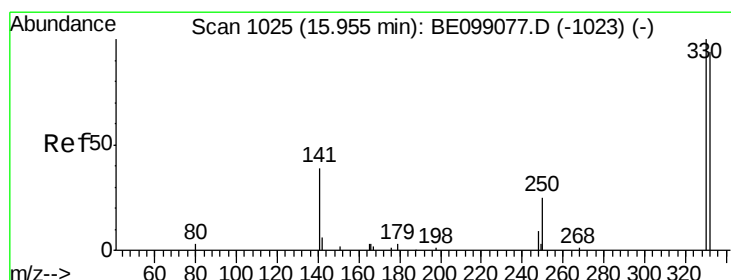
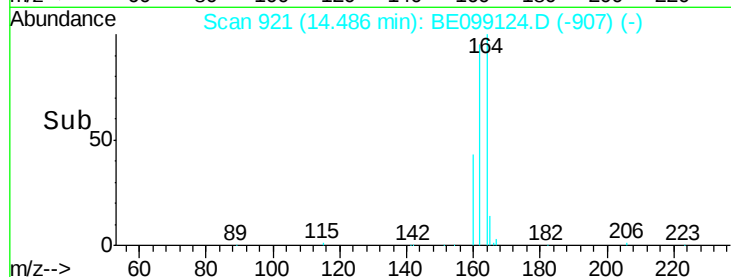
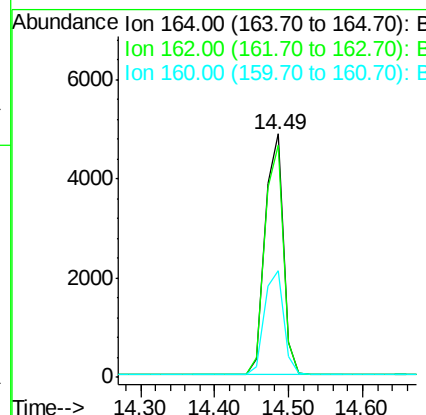
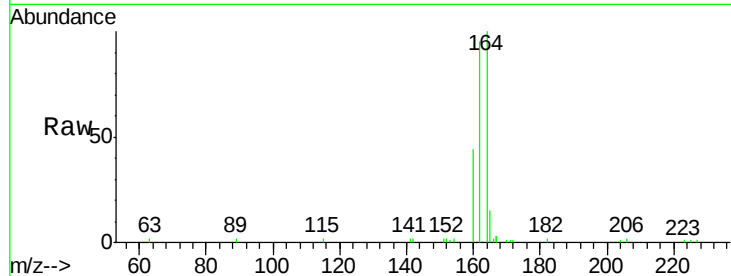
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Instrument :
BNA_E
ClientSampleId :
PST-026-B124-031919

Tot Ion:164 Resp: 8397
Ion Ratio Lower Upper
164 100
162 95.3 80.2 120.2
160 44.1 37.8 56.8

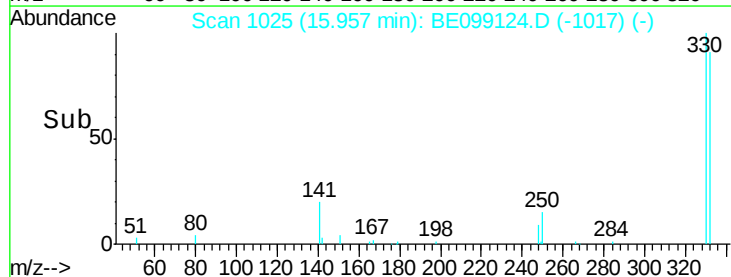
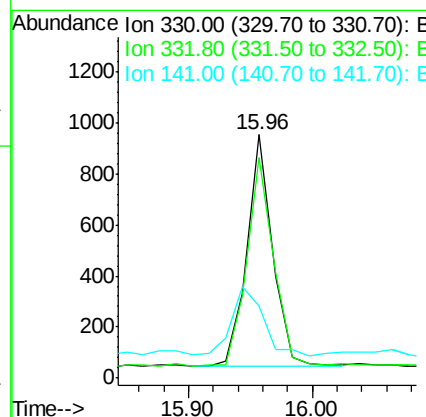
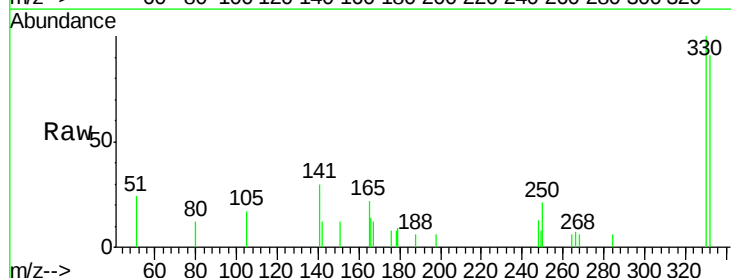
Manual Integrations
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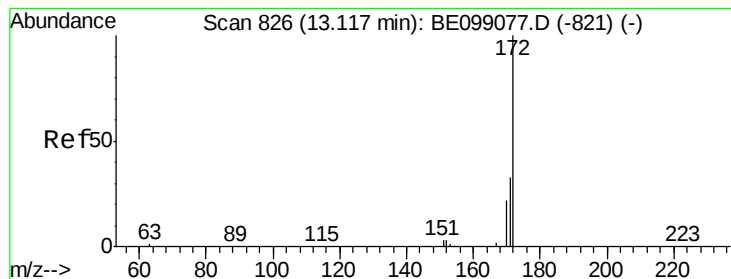
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#14
2,4,6-Tribromophenol
Concen: 0.526 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Tgt Ion:330 Resp: 1298
Ion Ratio Lower Upper
330 100
332 94.1 77.6 116.4
141 37.1 31.0 46.4





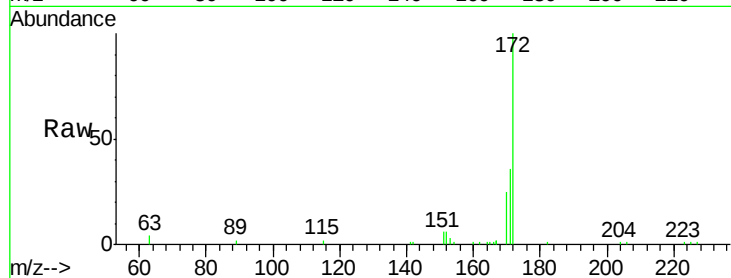
#15
2-Fluorobiphenyl
Concen: 0.291 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Instrument :
BNA_E
ClientSampleId :
PST-026-B124-031919

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.0	42.0
170	25.5	17.7	26.5

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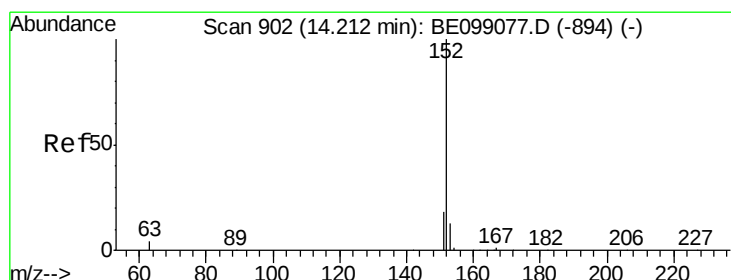
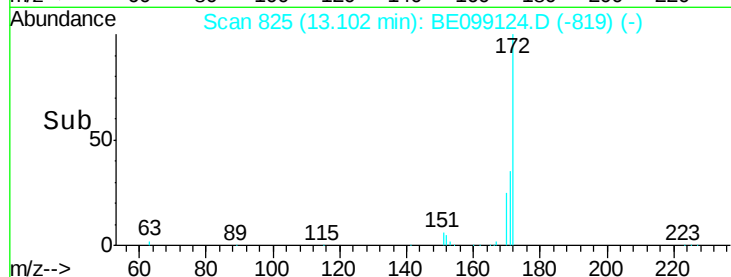
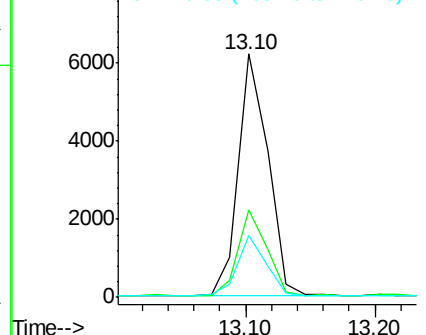


Abundance

Ion 172.00 (171.70 to 172.70): E

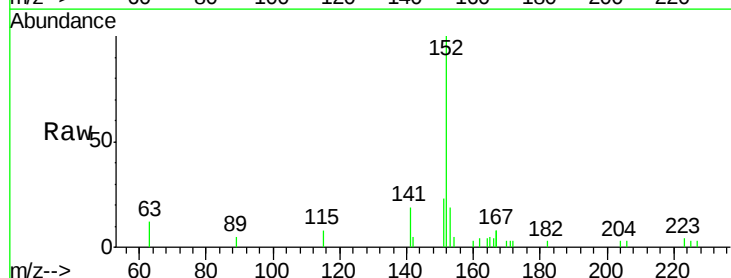
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.091 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	16.9	17.0	25.6#
153	13.9	11.2	16.8

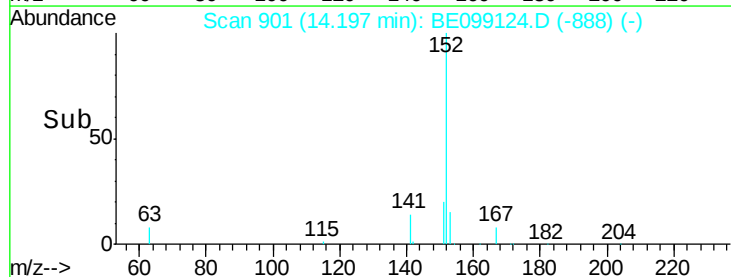
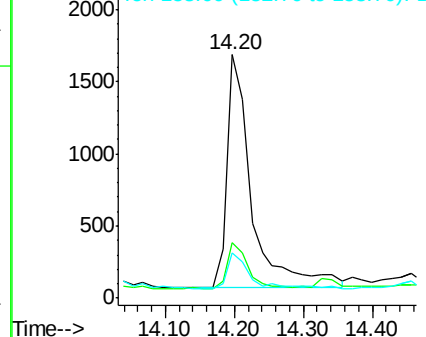


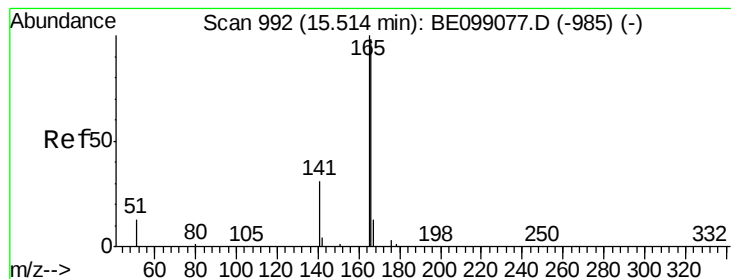
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#18

Fluorene

Concen: 0.046 ng

RT: 15.52 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099124.D

Acq: 23 Mar 2019 23:25

Instrument :

BNA_E

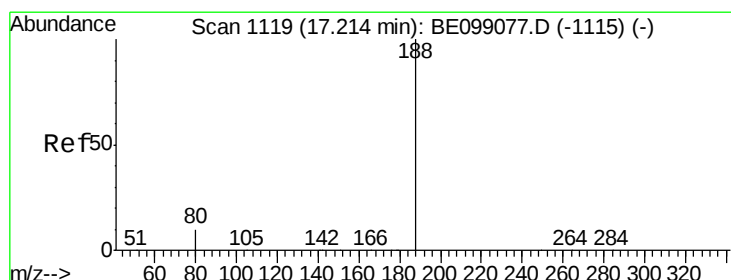
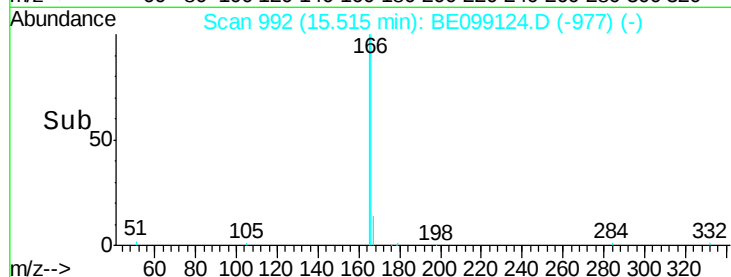
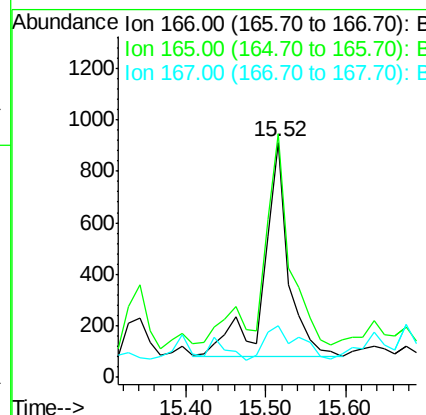
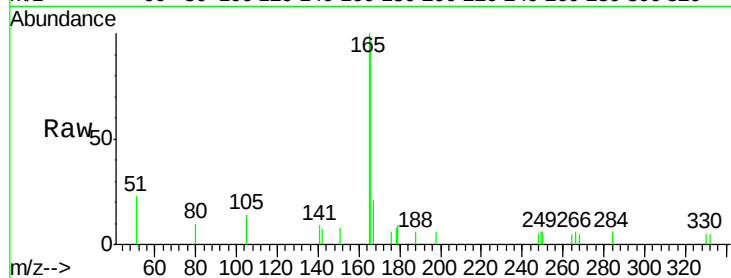
ClientSampleId :

PST-026-B124-031919

Tot Ion:	166	Resp:	1786
Ion Ratio	Lower	Upper	
166	100		
165	109.7	79.3	118.9
167	22.8	10.5	15.7#

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#19

Phenanthrene-d10

Concen: 0.400 ng

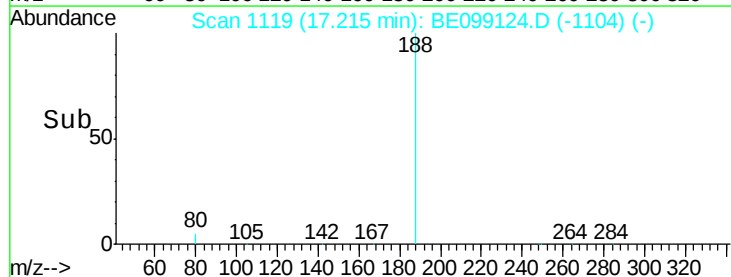
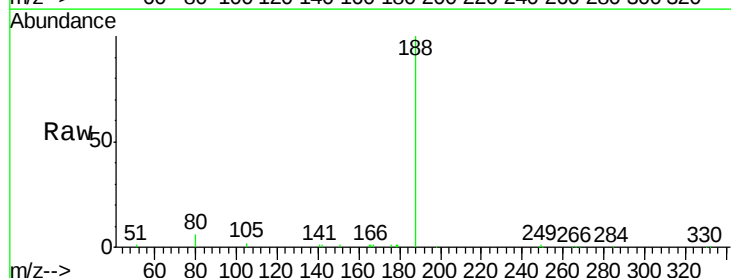
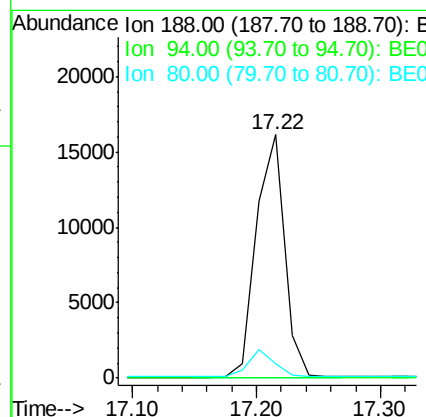
RT: 17.22 min Scan# 1119

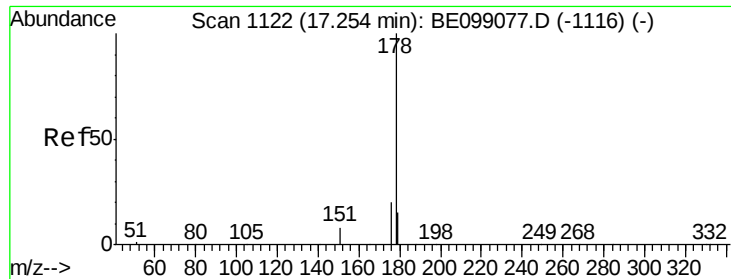
Delta R.T. 0.00 min

Lab File: BE099124.D

Acq: 23 Mar 2019 23:25

Tgt Ion:	188	Resp:	25462
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.0	6.3	9.5#





#23

Phenanthrene

Concen: 0.583 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099124.D

Acq: 23 Mar 2019 23:25

Instrument :

BNA_E

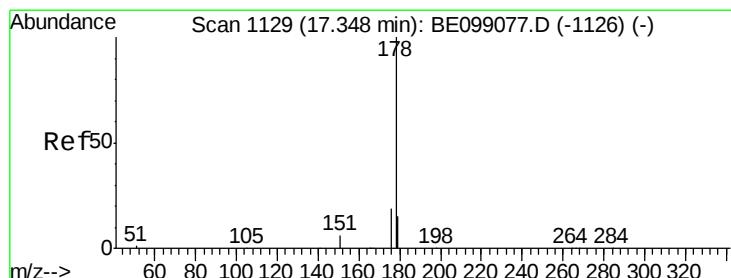
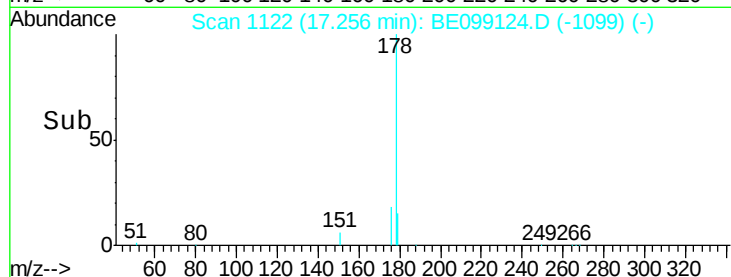
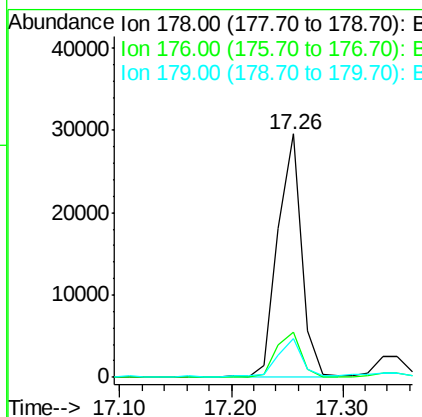
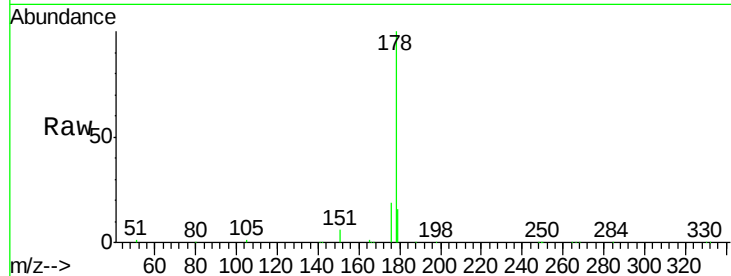
ClientSampleId :

PST-026-B124-031919

Tot Ion:178	Resp:	44039
Ion Ratio	Lower	Upper
178	100	
176	19.2	16.0 24.0
179	15.7	12.1 18.1

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#24

Anthracene

Concen: 0.064 ng

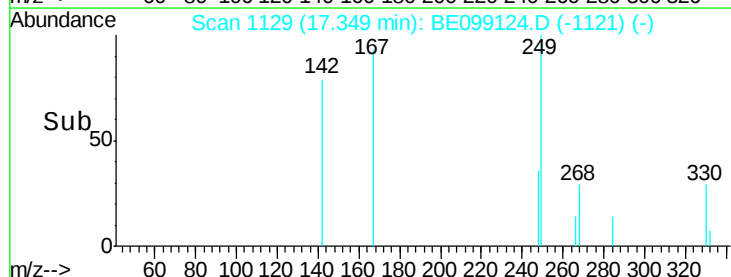
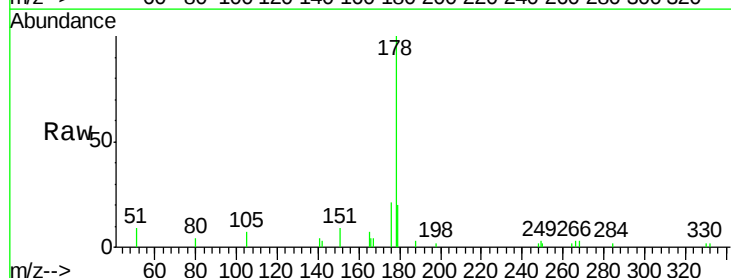
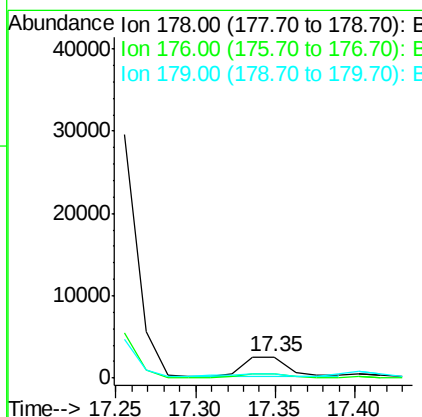
RT: 17.35 min Scan# 1129

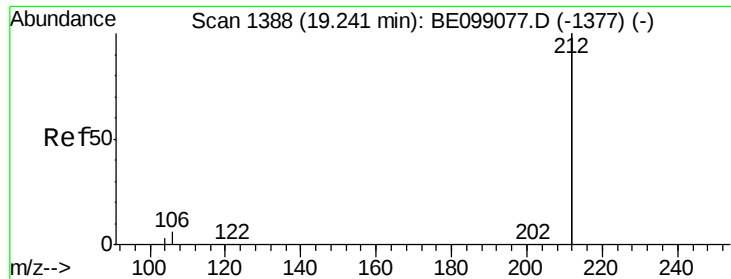
Delta R.T. 0.00 min

Lab File: BE099124.D

Acq: 23 Mar 2019 23:25

Tgt Ion:178	Resp:	4555
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.4 23.0
179	17.0	12.2 18.4





#25

Fluoranthene-d10

Concen: 0.316 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE099124.D

Acq: 23 Mar 2019 23:25

Instrument :

BNA_E

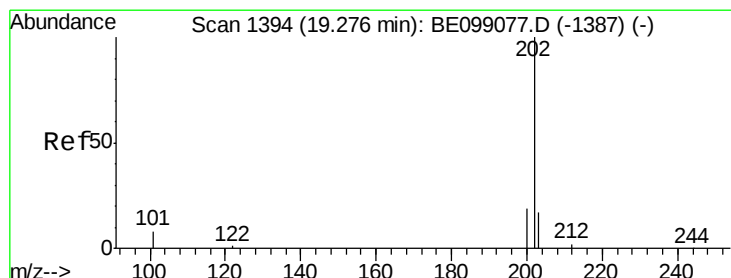
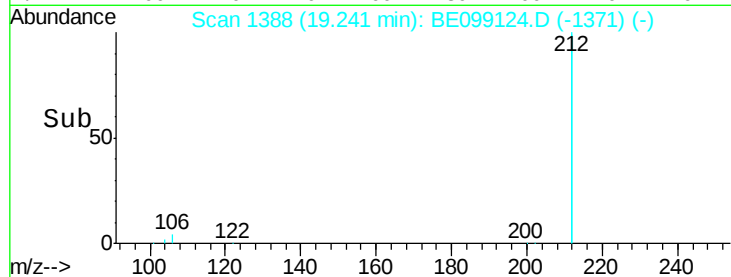
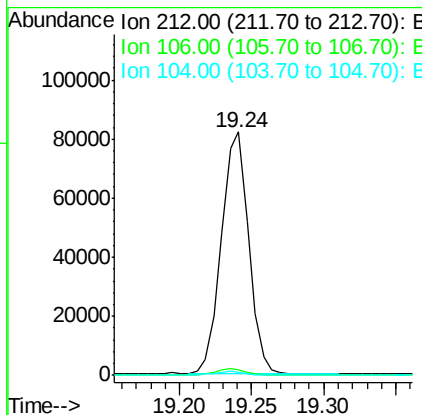
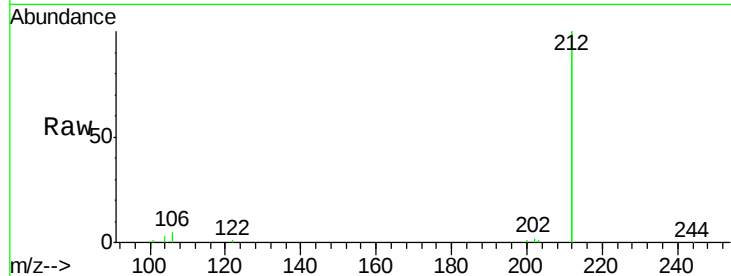
ClientSampleId :

PST-026-B124-031919

Tot Ion	Ion	Ratio	Resp	Lower	Upper
212	100				
106	2.8	1.8	2.8#		
104	1.6	1.0	1.6#		

Manual Integrations
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#26

Fluoranthene

Concen: 0.827 ng

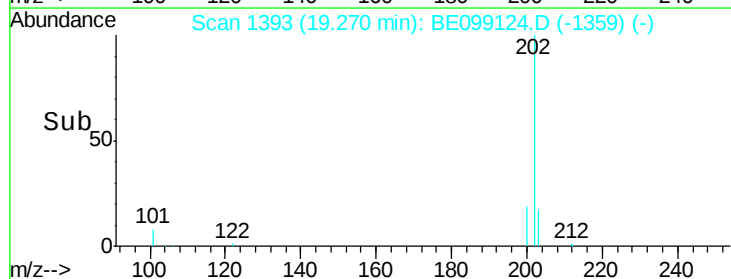
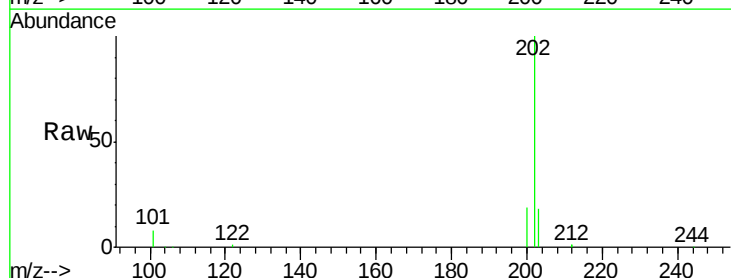
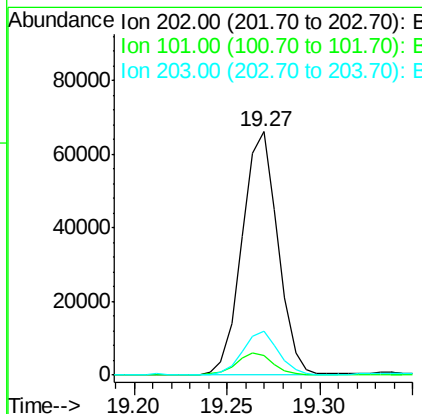
RT: 19.27 min Scan# 1393

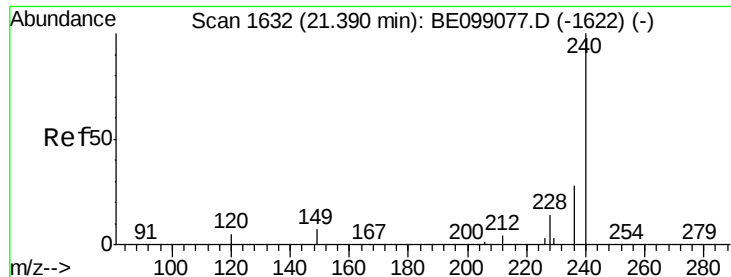
Delta R.T. -0.01 min

Lab File: BE099124.D

Acq: 23 Mar 2019 23:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	9.1	7.3	10.9		
203	17.6	13.4	20.2		





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099124.D

Acq: 23 Mar 2019 23:25

Instrument :

BNA_E

ClientSampleId :

PST-026-B124-031919

Tot Ion:240 Resp: 39828

Ion Ratio Lower Upper

240 100

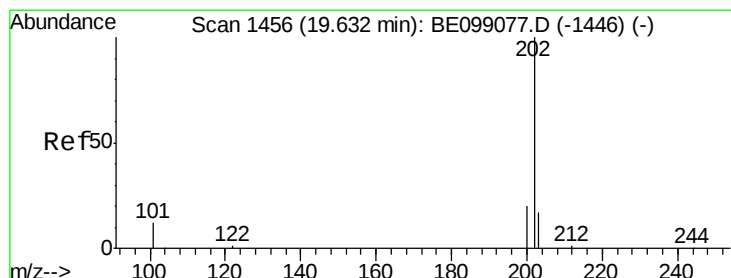
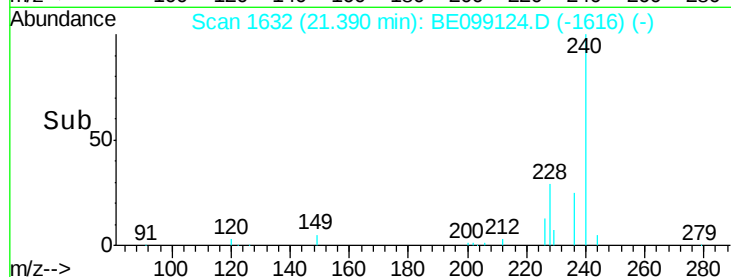
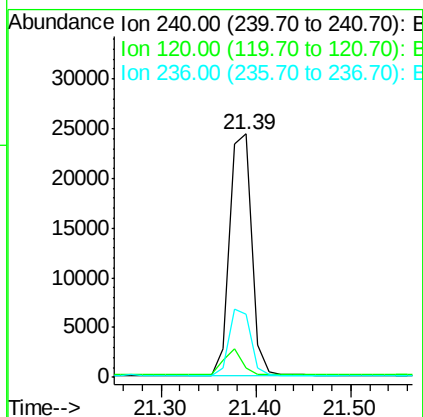
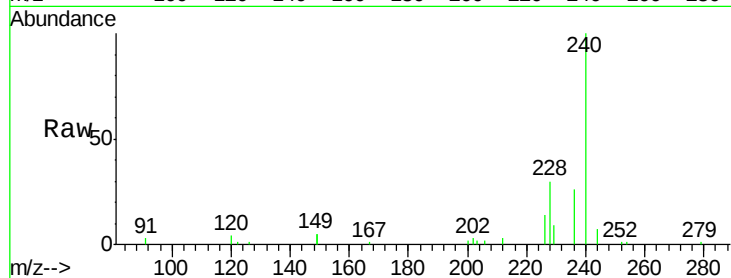
120 3.7 5.0 7.4#

236 25.9 22.7 34.1

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#28

Pyrene

Concen: 0.795 ng

RT: 19.63 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BE099124.D

Acq: 23 Mar 2019 23:25

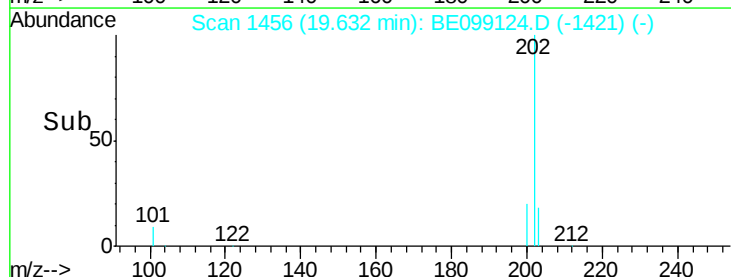
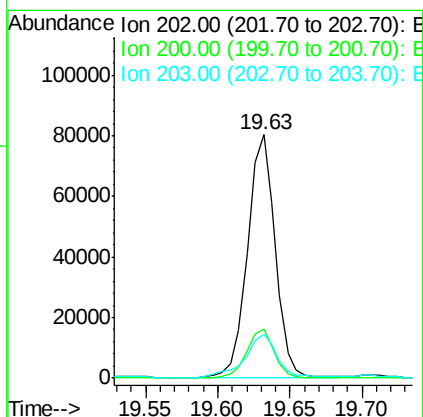
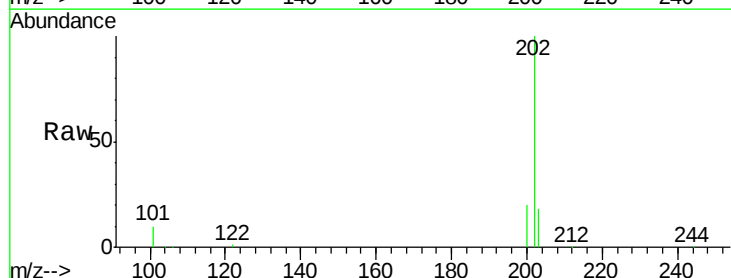
Tgt Ion:202 Resp: 107420

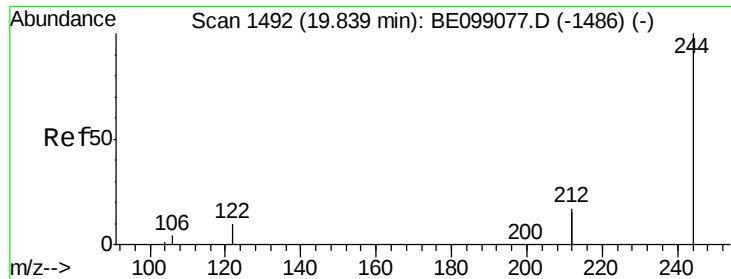
Ion Ratio Lower Upper

202 100

200 19.8 17.0 25.6

203 20.4 14.2 21.2





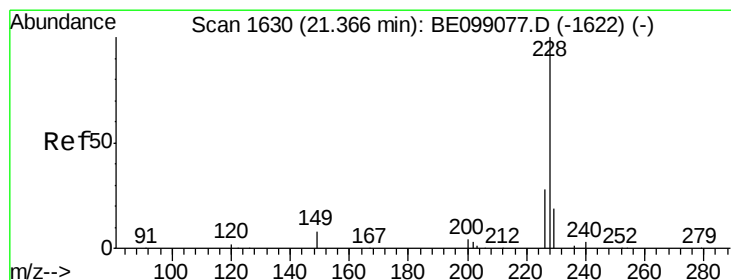
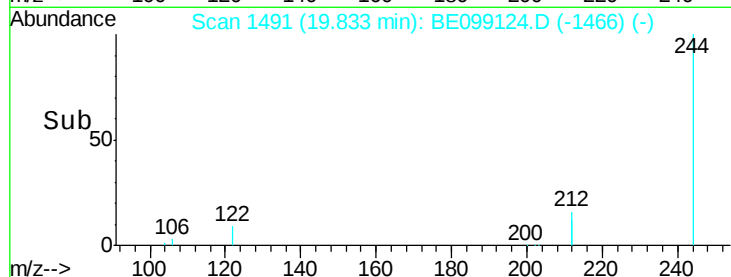
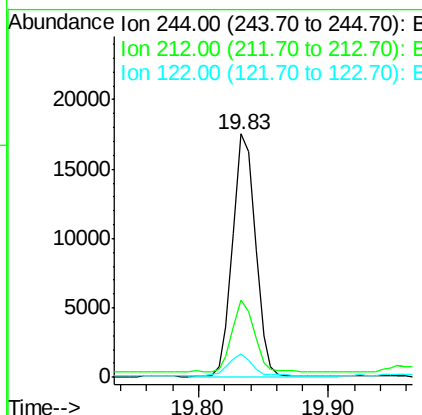
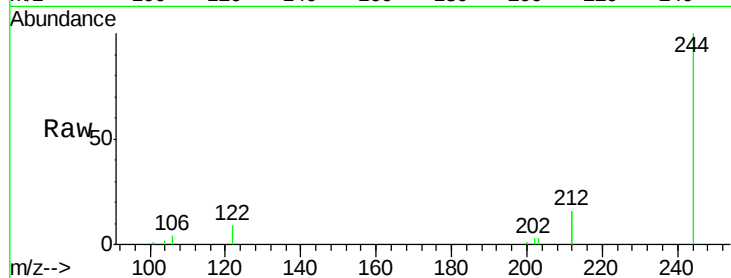
#29
 Terphenyl-d14
 Concen: 0.251 ng
 RT: 19.83 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BE099124.D
 Acq: 23 Mar 2019 23:25

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-B124-031919

Tot Ion	Ratio	Lower	Upper
244	100		
212	31.5	29.4	44.2
122	9.4	7.1	10.7

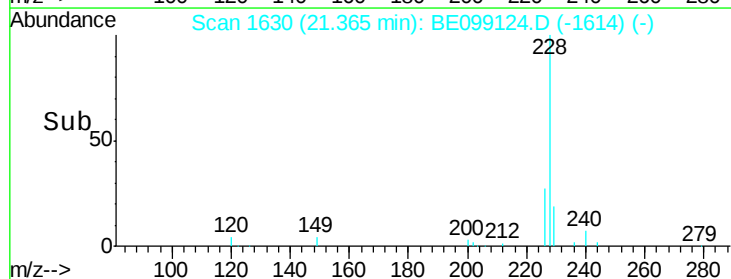
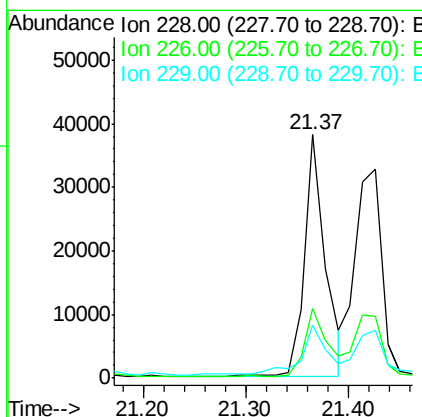
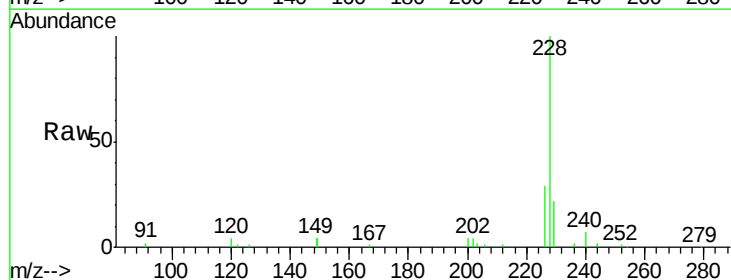
Manual Integrations
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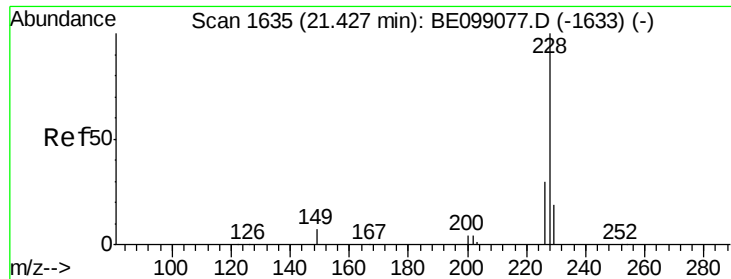
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#30
 Benzo(a)anthracene
 Concen: 0.382 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099124.D
 Acq: 23 Mar 2019 23:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.0	34.4
229	21.9	16.5	24.7





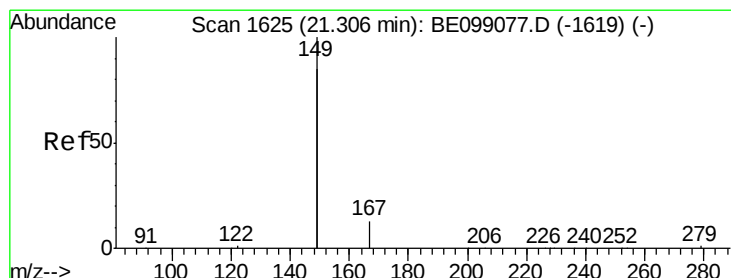
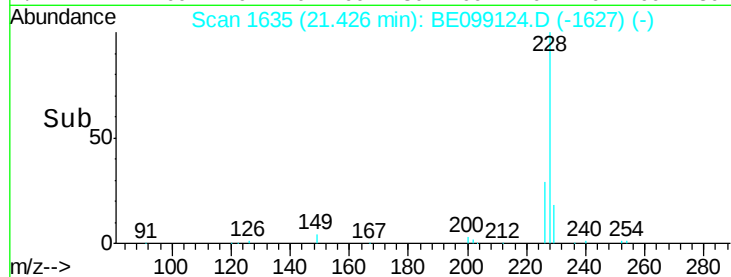
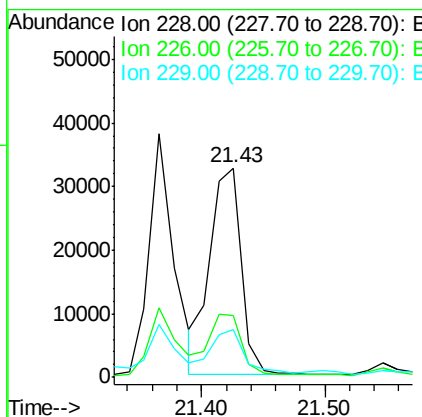
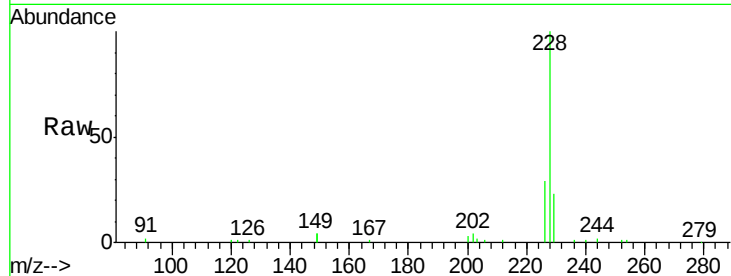
#31
Chrysene
Concen: 0.415 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Instrument :
BNA_E
ClientSampleId :
PST-026-B124-031919

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.7	35.5
229	22.6	16.1	24.1

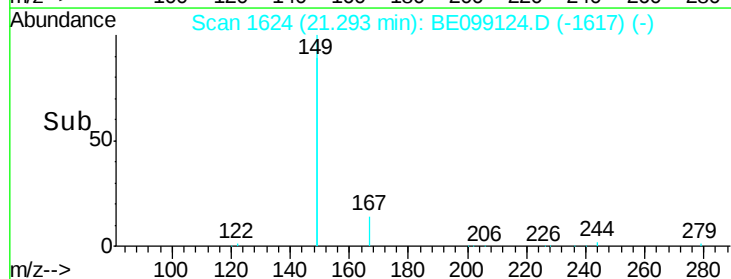
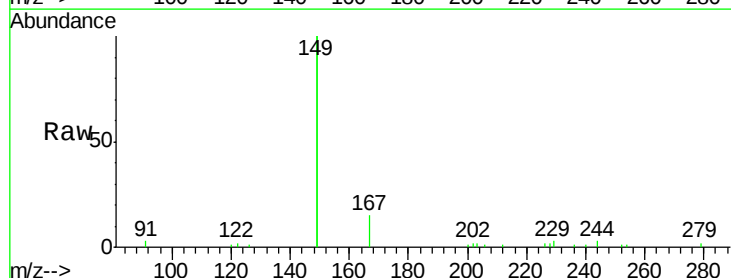
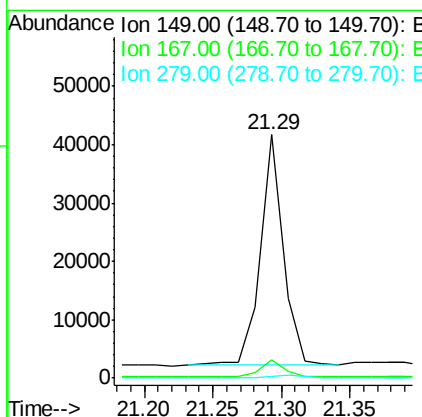
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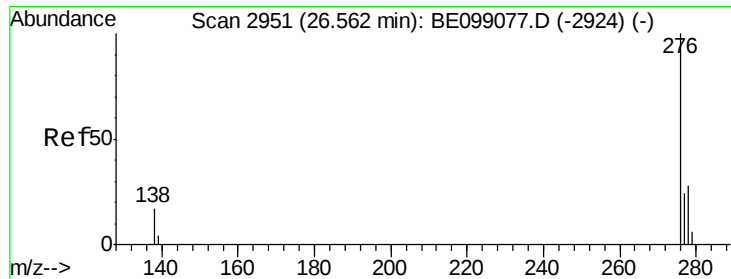
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.246 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.4	8.0
279	1.0	1.0	1.4





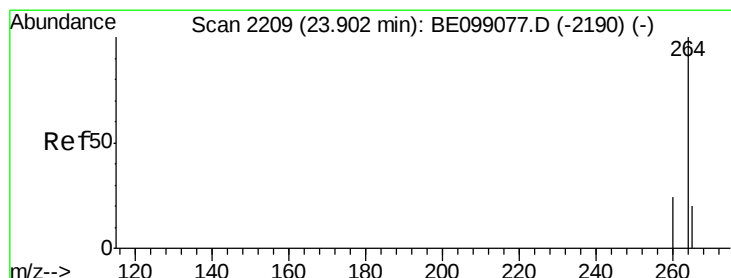
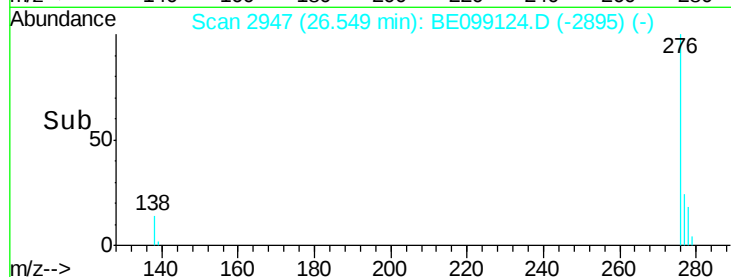
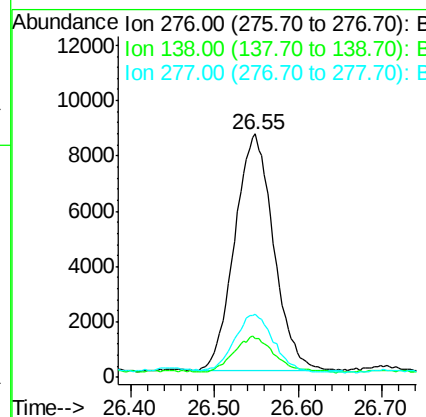
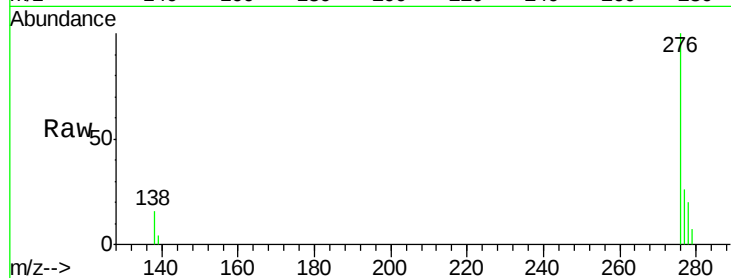
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.183 ng
RT: 26.55 min Scan# 2947
Delta R.T. -0.01 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Instrument :
BNA_E
ClientSampleId :
PST-026-B124-031919

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.6	13.8	20.8
277	24.7	19.5	29.3

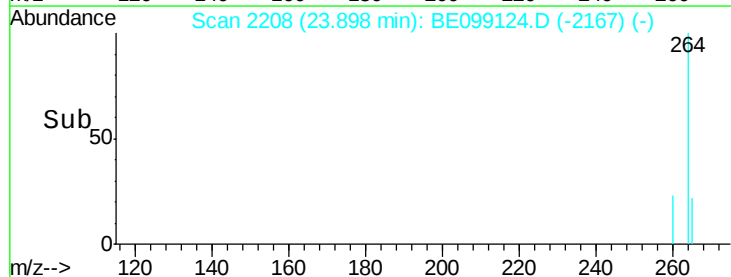
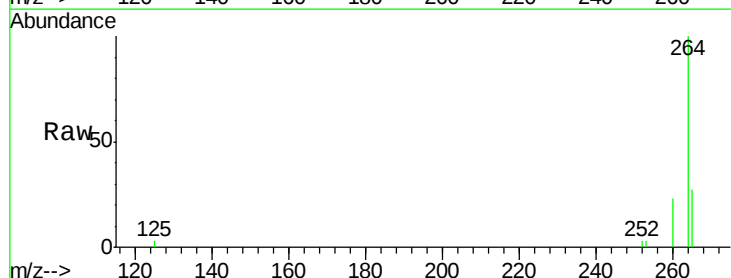
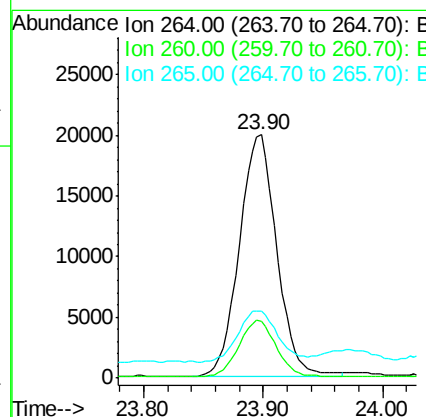
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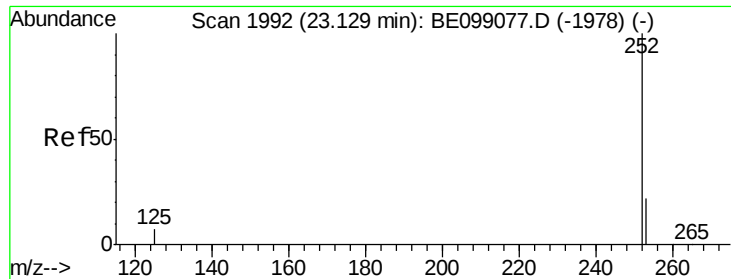
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	21.2	31.8
265	27.4	24.6	36.8





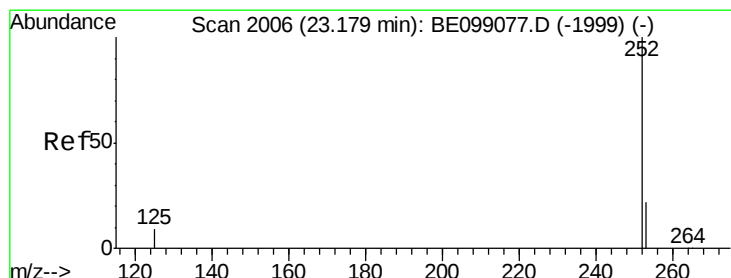
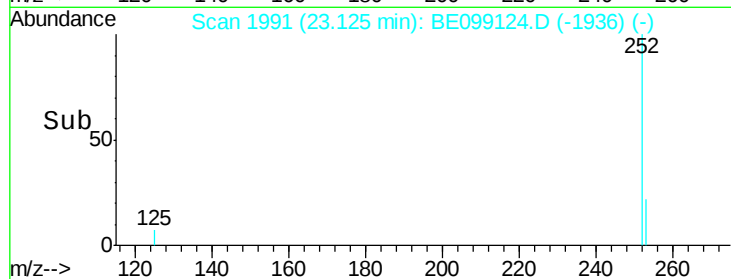
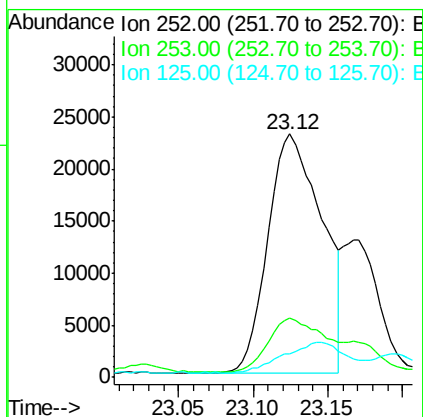
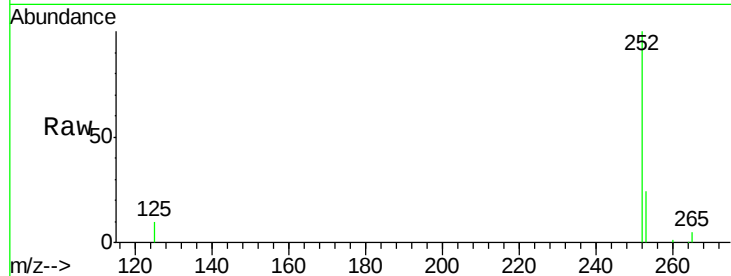
#35
Benzo(b)fluoranthene
Concen: 0.391 ng
RT: 23.12 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Instrument :
BNA_E
ClientSampleId :
PST-026-B124-031919

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	9.5	7.3	10.9

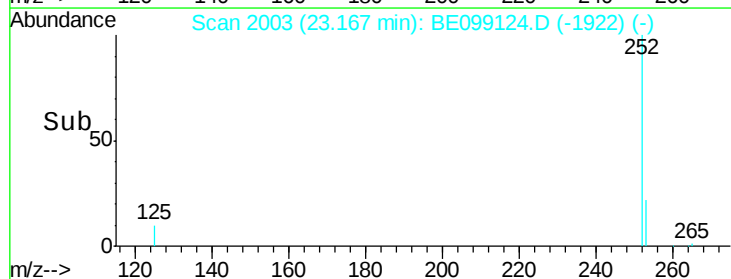
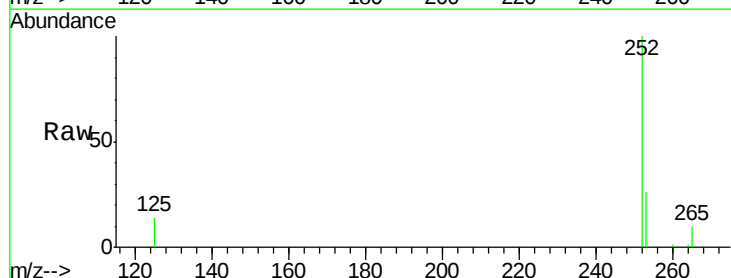
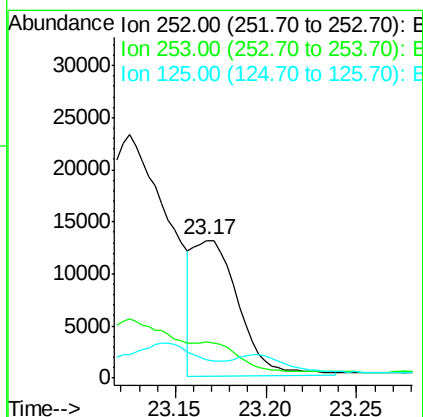
Manual Integrations
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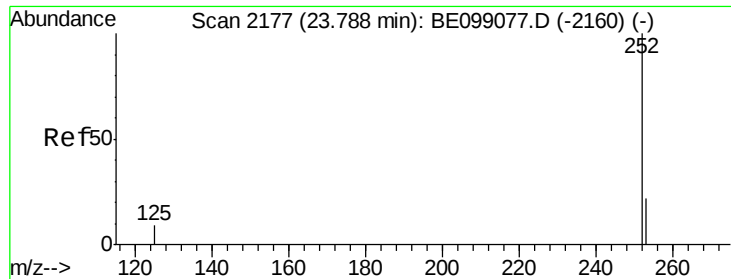
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.156 ng m
RT: 23.17 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	19.3	28.9
125	13.7	7.5	11.3





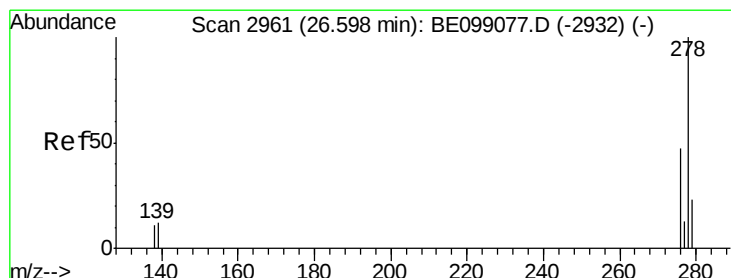
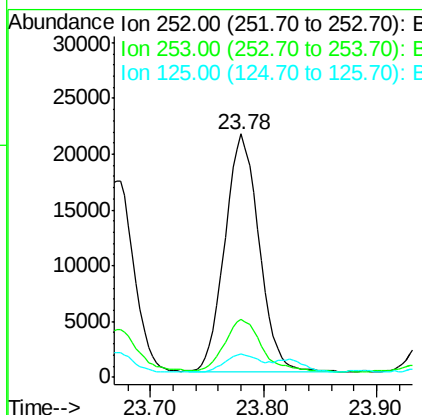
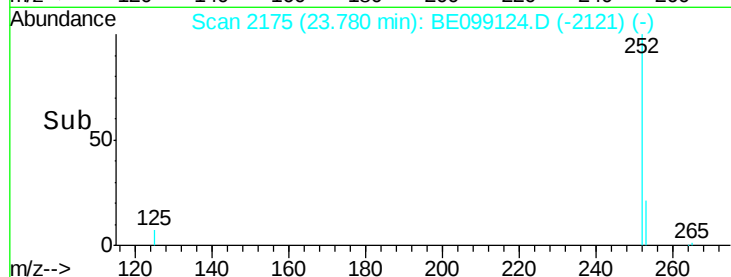
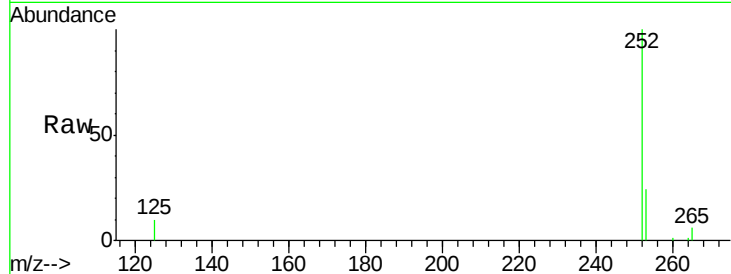
#37
Benzo(a)pyrene
Concen: 0.327 ng
RT: 23.78 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Instrument :
BNA_E
ClientSampleId :
PST-026-B124-031919

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.9	29.9
125	9.5	9.0	13.4

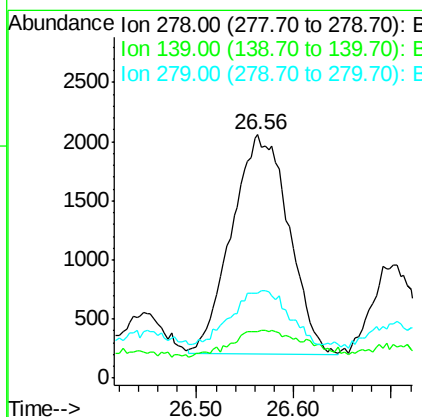
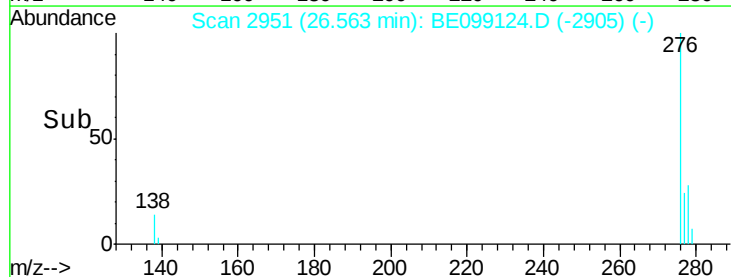
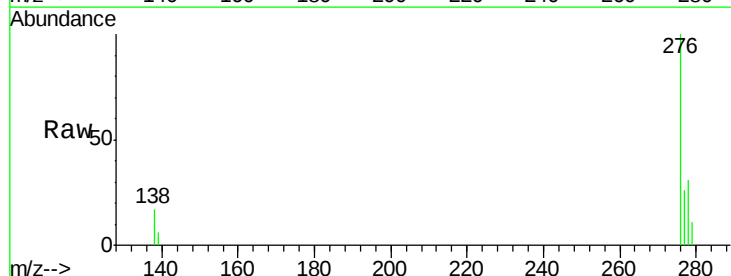
Manual Integrations
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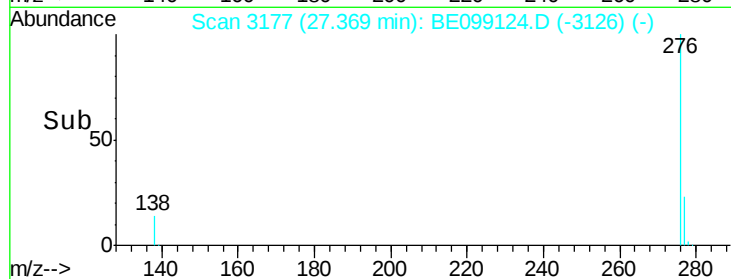
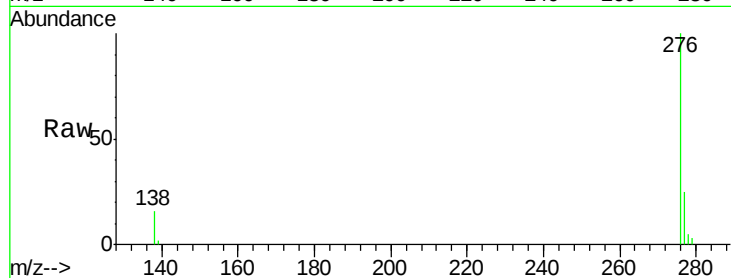
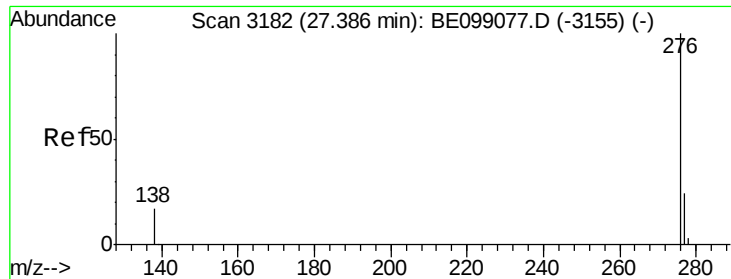
Sohil
3/25/2019 12:37:18 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.057 ng
RT: 26.56 min Scan# 2951
Delta R.T. -0.03 min
Lab File: BE099124.D
Acq: 23 Mar 2019 23:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.9	11.8	17.6#
279	34.9	21.1	31.7#





#39

Benzo(a,h,i)perylene

Concen: 0.228 ng

RT: 27.37 min Scan# 3177

Delta R.T. -0.02 min

Lab File: BE099124.D

Acq: 23 Mar 2019 23:25

Instrument :

BNA_E

ClientSampleId :

PST-026-B124-031919

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	20.4	30.6
138	16.0	13.6	20.4

Manual Integrations
APPROVED

Sohil
3/25/2019 12:37:18 PM

