

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099123.D
 Acq On : 23 Mar 2019 22:46
 Operator : JU/SJ
 Sample : K2014-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW073-031819

Manual Integrations
 APPROVED

Sohil
 3/25/2019 12:37:15 PM

Quant Time: Mar 24 03:45:50 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	3382	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13407	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	8895	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	26981	0.40	ng	0.00
27) Chrysene-d12	21.39	240	37833	0.40	ng	0.00
34) Perylene-d12	23.90	264	39871	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	4350	0.43	ng	0.00
5) Phenol-d6	6.99	99	6241	0.43	ng	0.00
8) Nitrobenzene-d5	8.99	82	3896	0.66	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	7877	0.33	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1616	0.62	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	12102	0.34	ng	-0.01
25) Fluoranthene-d10	19.24	212	111415	0.31	ng	0.00
29) Terphenyl-d14	19.83	244	23470	0.29	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.20	152	2620	0.055	ng	94
18) Fluorene	15.51	166	1490	0.036	ng	# 84
22) Pentachlorophenol	16.85	266	157	0.279	ng	88
23) Phenanthrene	17.25	178	27789	0.347	ng	99
24) Anthracene	17.35	178	2482	0.033	ng	96
26) Fluoranthene	19.27	202	45097	0.400	ng	98
28) Pyrene	19.63	202	57021	0.444	ng	96
30) Benzo(a)anthracene	21.37	228	26482	0.199	ng	98
31) Chrysene	21.43	228	30589	0.230	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	44608	0.258	ng	99
33) Indeno(1,2,3-cd)pyrene	26.54	276	14646	0.102	ng	98
35) Benzo(b)fluoranthene	23.12	252	30007	0.218	ng	# 93
36) Benzo(k)fluoranthene	23.17	252	12189m	0.090	ng	
37) Benzo(a)pyrene	23.78	252	22455	0.176	ng	99
38) Dibenzo(a,h)anthracene	26.57	278	4783	0.039	ng	# 77
39) Benzo(g,h,i)perylene	27.37	276	15390	0.121	ng	98

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

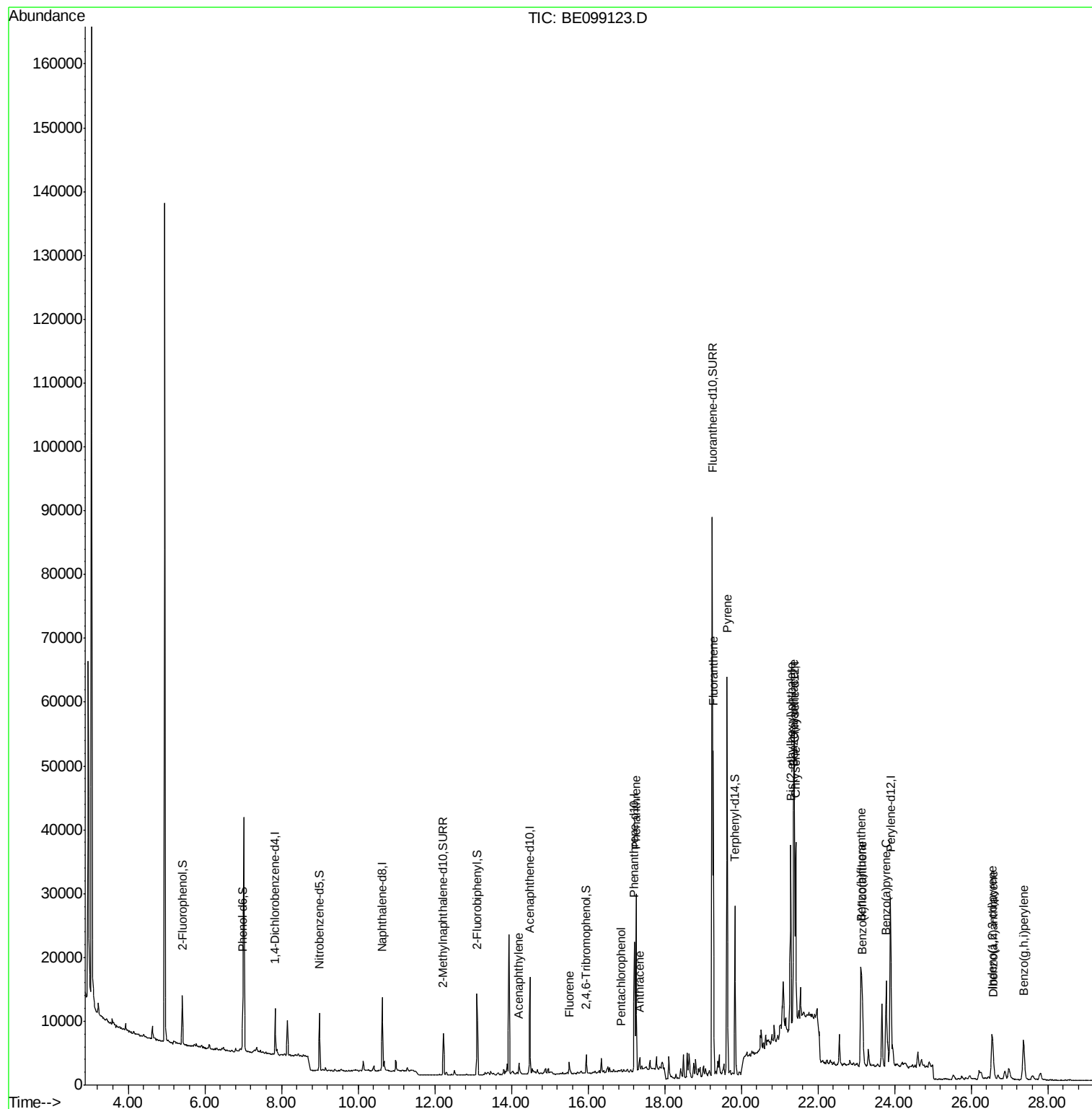
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
Data File : BE099123.D
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ALS Vial : 20 Sample Multiplier: 1

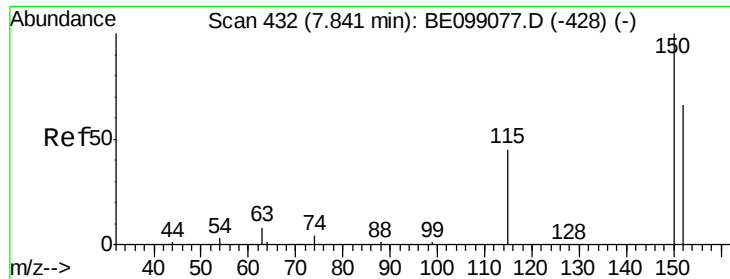
Instrument :
BNA_E
ClientSampleId :
PST-026-SW073-031819

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#1

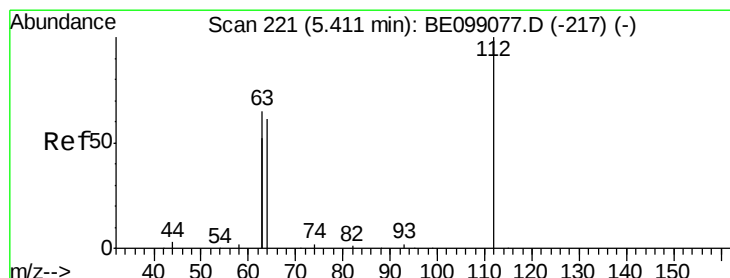
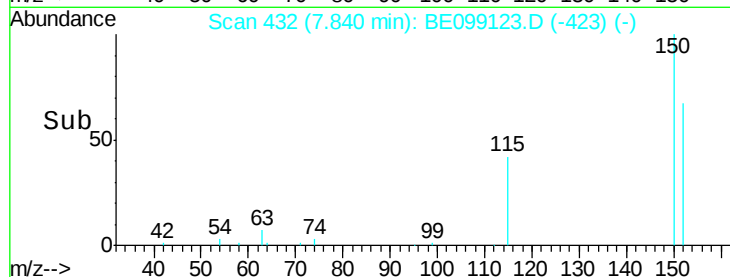
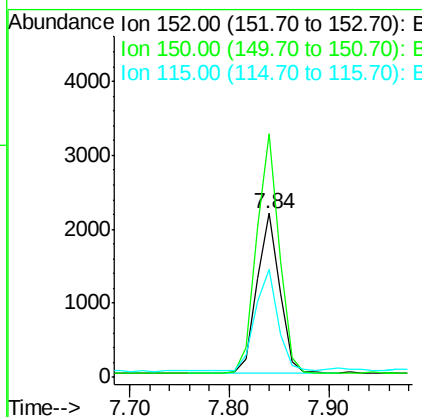
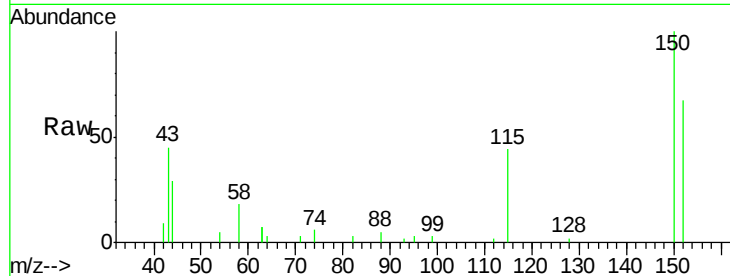
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Instrument :
BNA_E
ClientSampleId :
PST-026-SW073-031819

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.8	122.5	183.7
115	66.0	57.4	86.2

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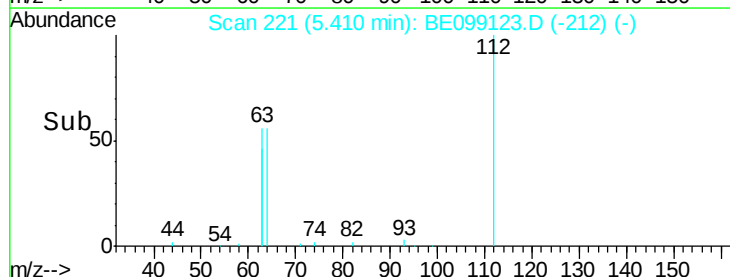
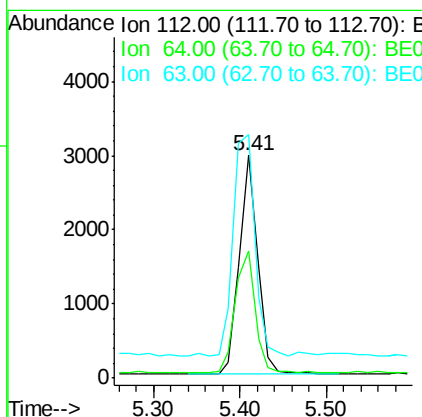
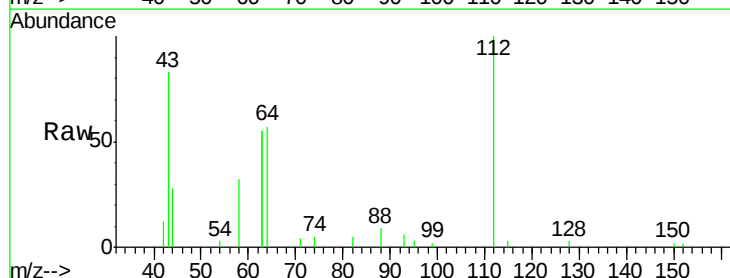
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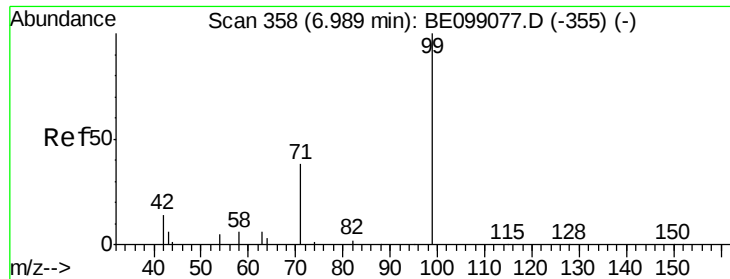


#4

2-Fluorophenol
Concen: 0.432 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	57.9	86.9
63	118.7	158.3	237.5





#5

Phenol-d6

Concen: 0.430 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099123.D

Acq: 23 Mar 2019 22:46

Instrument :

BNA_E

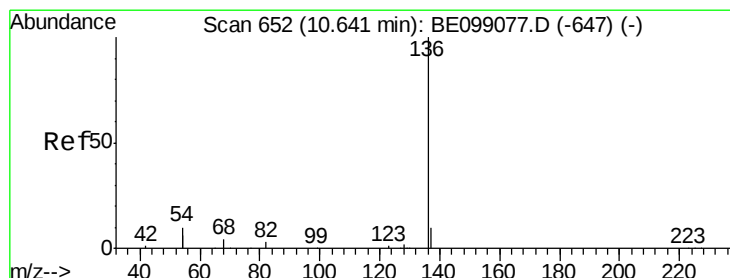
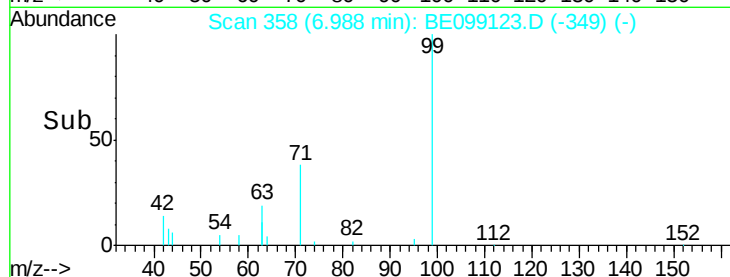
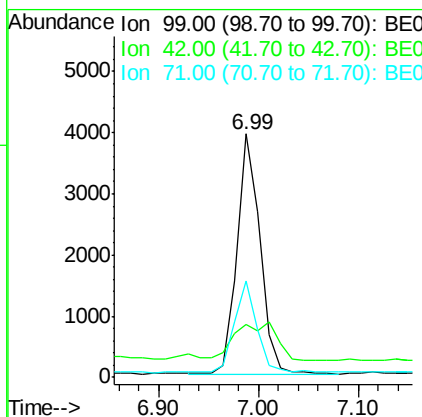
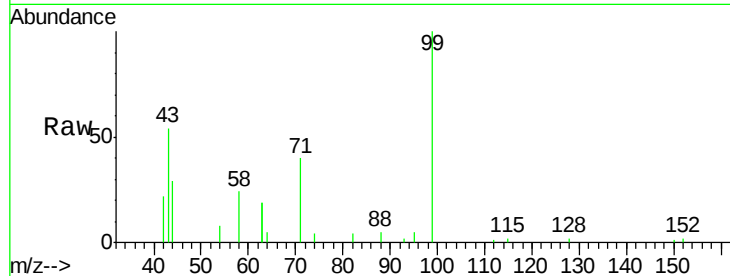
ClientSampleId :

PST-026-SW073-031819

Tot Ion:	99	Resp:	6241
Ion	Ratio	Lower	Upper
99	100		
42	0.0	24.2	36.2#
71	36.9	35.7	53.5

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#7

Naphthalene-d8

Concen: 0.400 ng

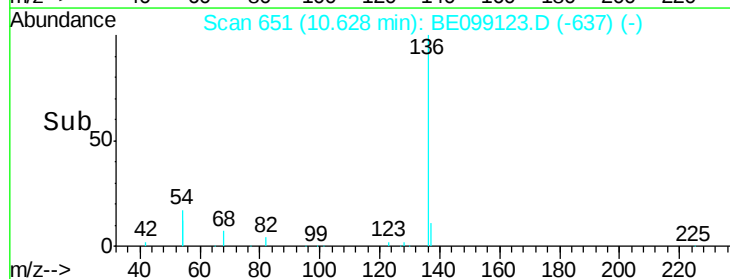
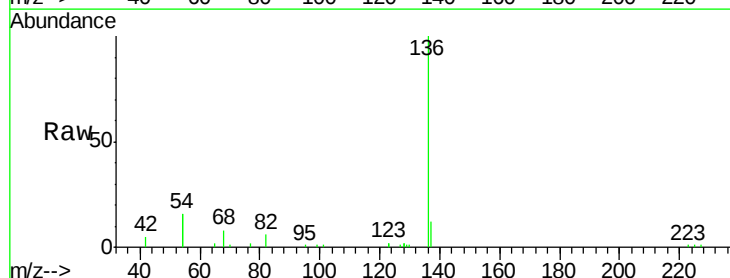
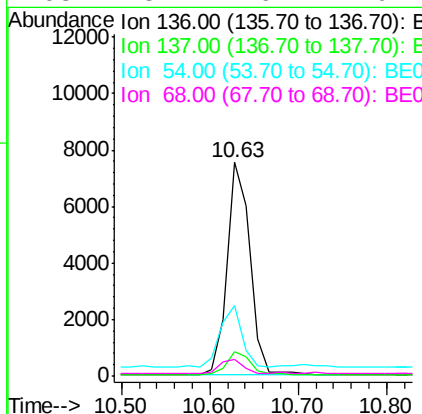
RT: 10.63 min Scan# 651

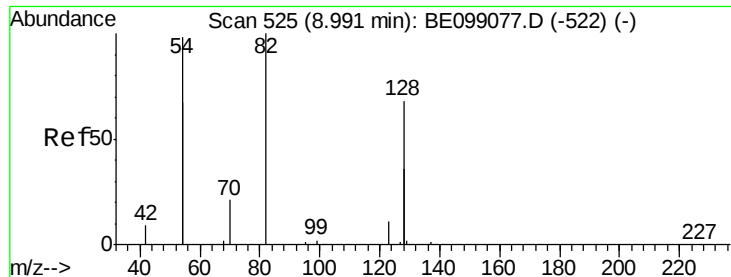
Delta R.T. -0.01 min

Lab File: BE099123.D

Acq: 23 Mar 2019 22:46

Tgt Ion:	136	Resp:	13407
Ion	Ratio	Lower	Upper
136	100		
137	11.6	11.4	17.0
54	32.8	39.3	58.9#
68	8.1	6.7	10.1





#8

Nitrobenzene-d5

Concen: 0.665 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099123.D

Acq: 23 Mar 2019 22:46

Instrument :

BNA_E

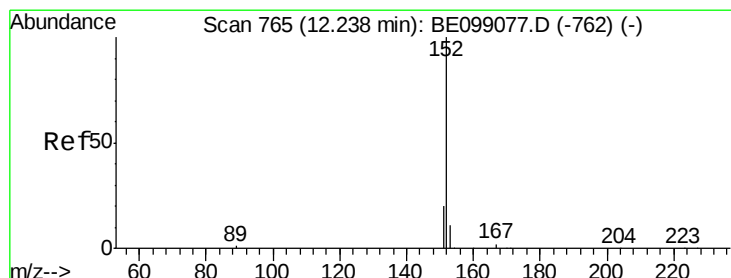
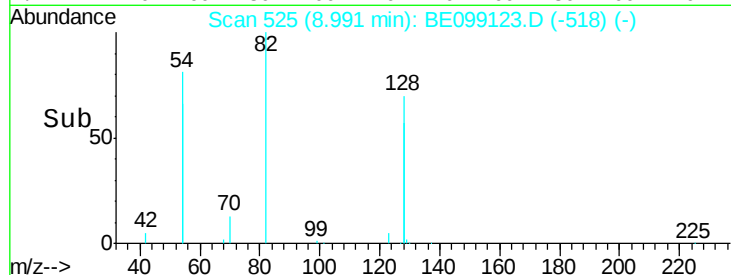
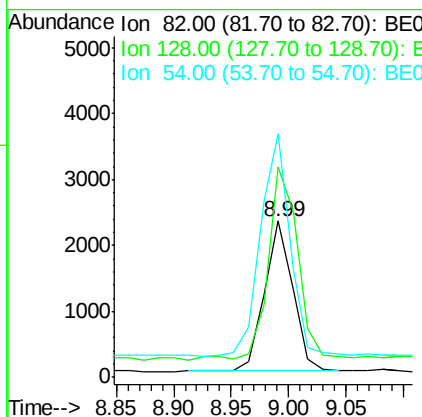
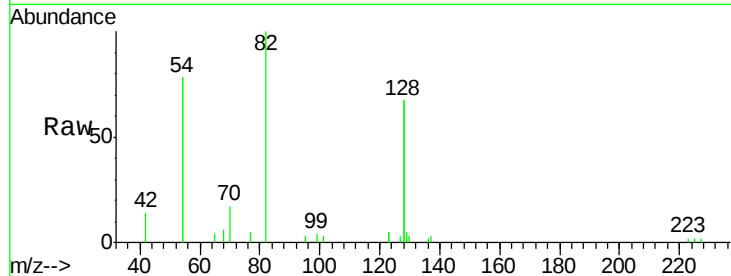
ClientSampleId :

PST-026-SW073-031819

Tot Ion	Ratio	Lower	Upper
82	100		
128	134.0	123.8	185.8
54	155.6	203.4	305.2

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#11

2-Methylnaphthalene-d10

Concen: 0.326 ng

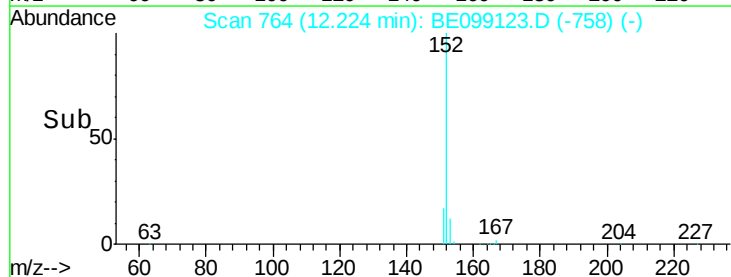
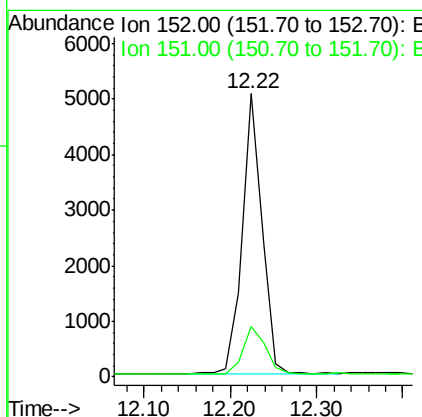
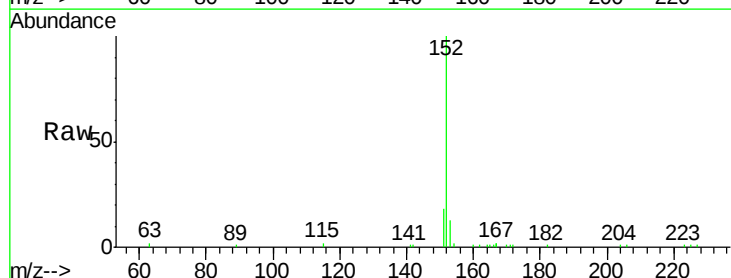
RT: 12.22 min Scan# 764

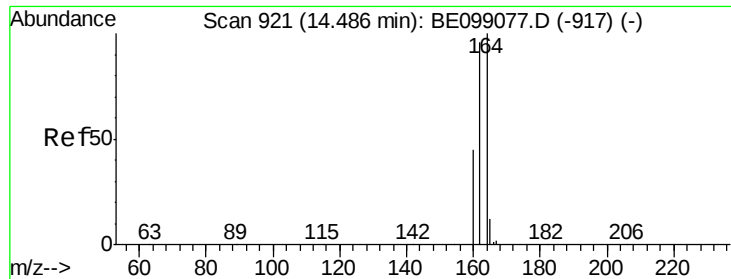
Delta R.T. -0.01 min

Lab File: BE099123.D

Acq: 23 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.5	24.7





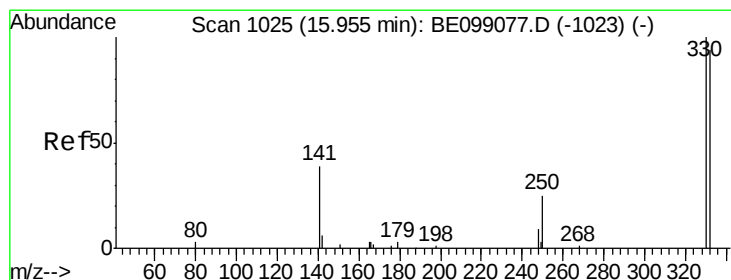
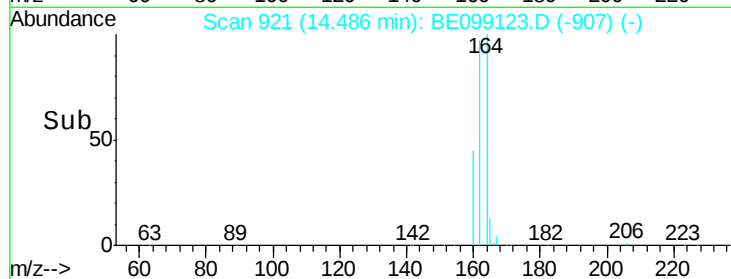
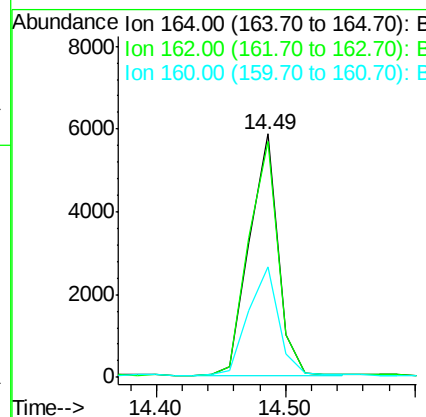
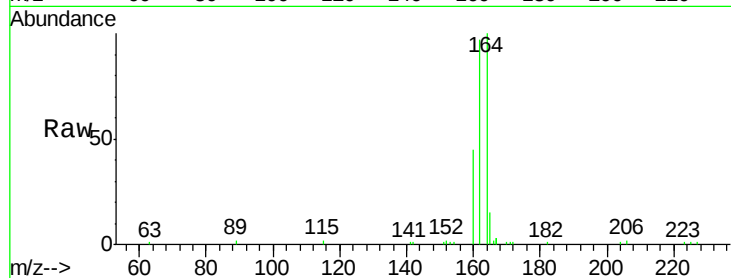
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Instrument :
BNA_E
ClientSampleId :
PST-026-SW073-031819

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.9	80.2	120.2
160	45.4	37.8	56.8

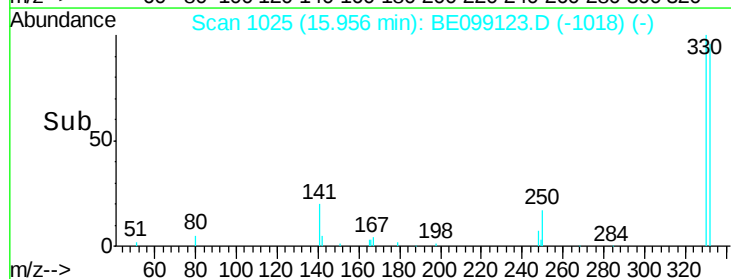
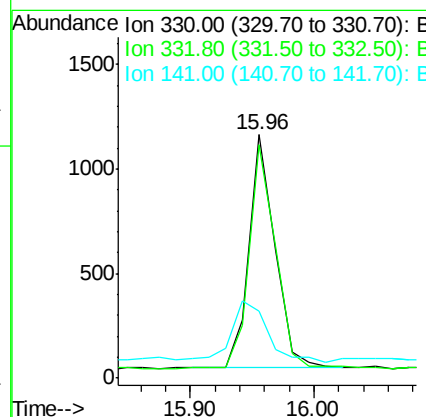
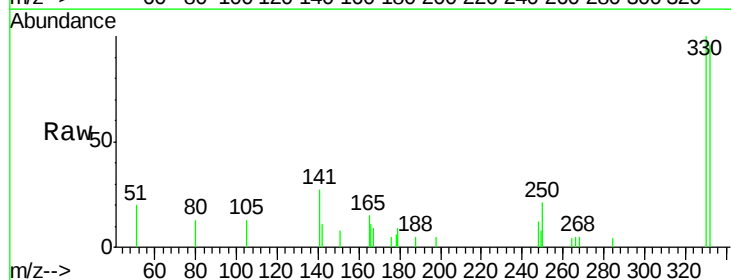
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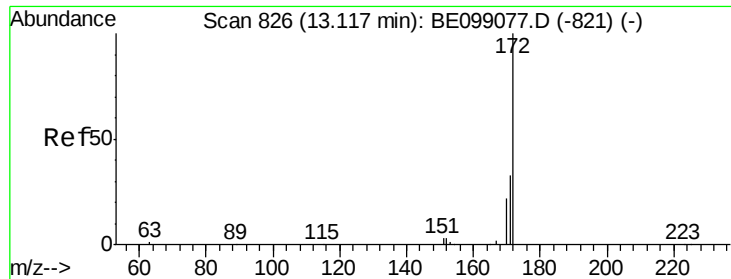
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#14
2,4,6-Tribromophenol
Concen: 0.618 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.4	77.6	116.4
141	36.0	31.0	46.4





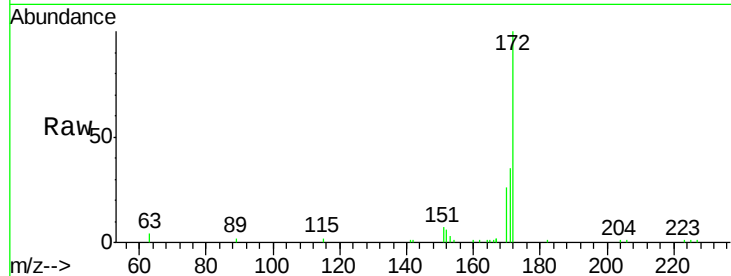
#15
2-Fluorobiphenyl
Concen: 0.342 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Instrument :
BNA_E
ClientSampleId :
PST-026-SW073-031819

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.0	42.0
170	25.8	17.7	26.5

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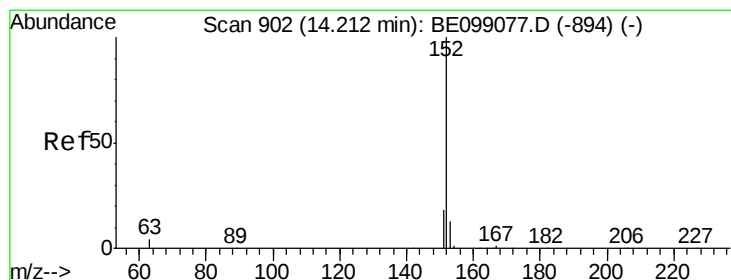
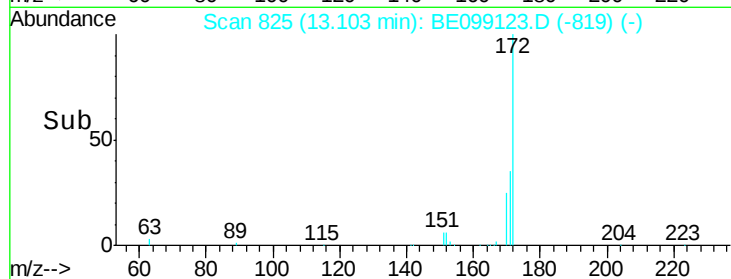
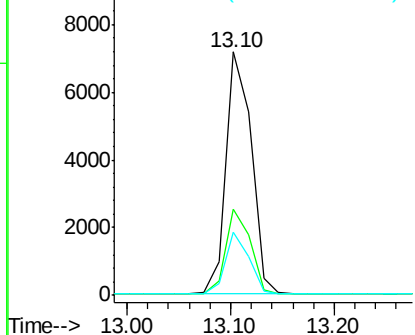


Abundance

Ion 172.00 (171.70 to 172.70): E

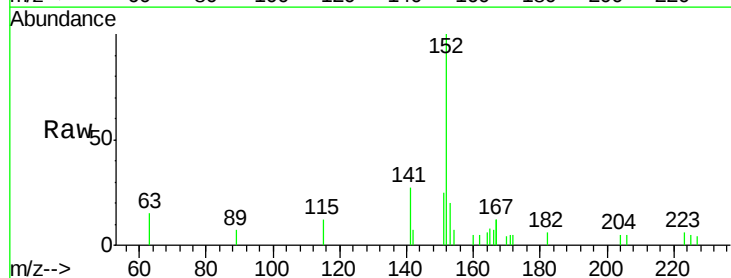
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.055 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
152	100		
151	17.1	17.0	25.6
153	14.7	11.2	16.8

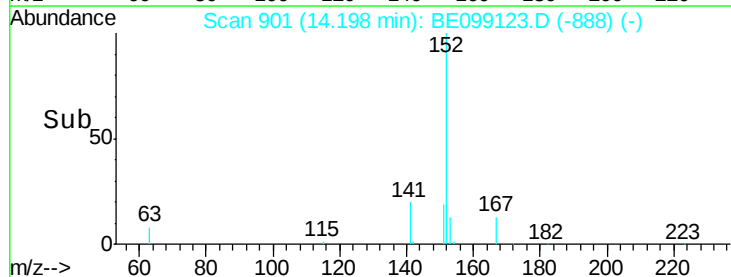
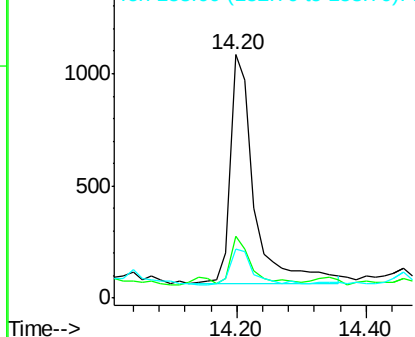


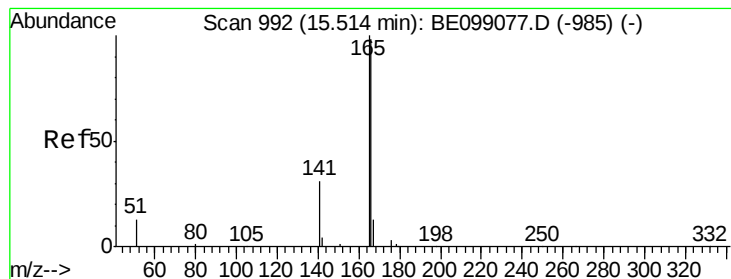
Abundance

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: 0.036 ng

RT: 15.51 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099123.D

Acq: 23 Mar 2019 22:46

Instrument :

BNA_E

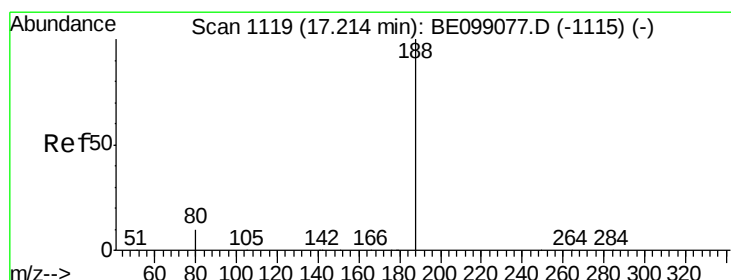
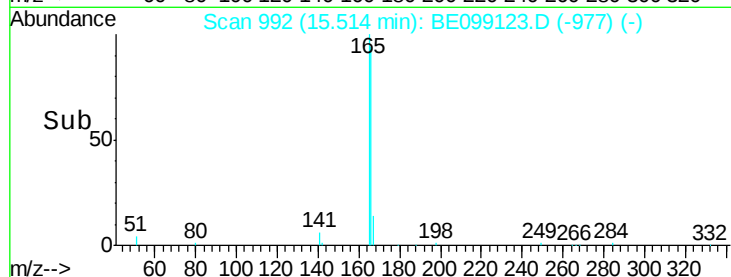
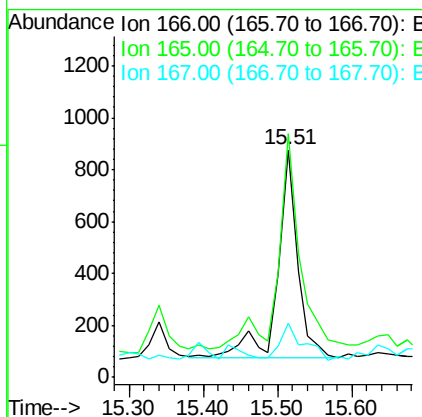
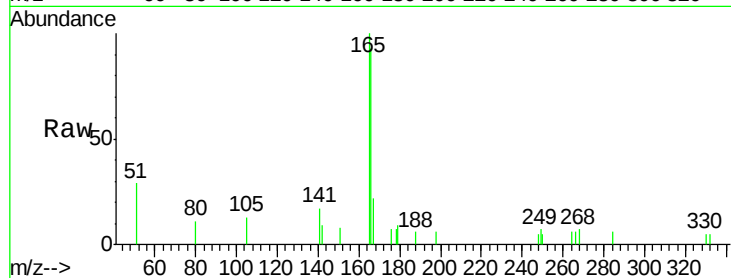
ClientSampleId :

PST-026-SW073-031819

Tot Ion:	166	Resp:	1490
Ion Ratio	Lower	Upper	
166	100		
165	114.8	79.3	118.9
167	19.0	10.5	15.7#

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#19

Phenanthrene-d10

Concen: 0.400 ng

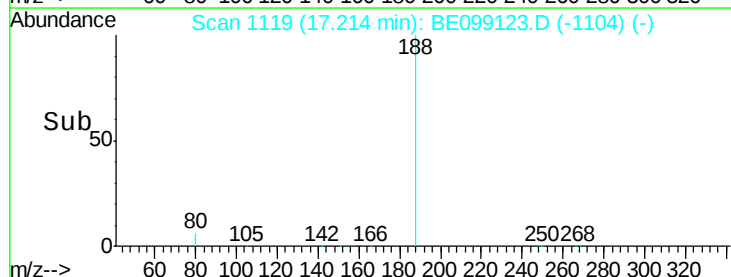
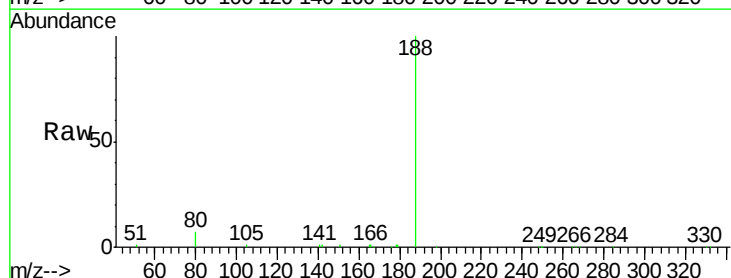
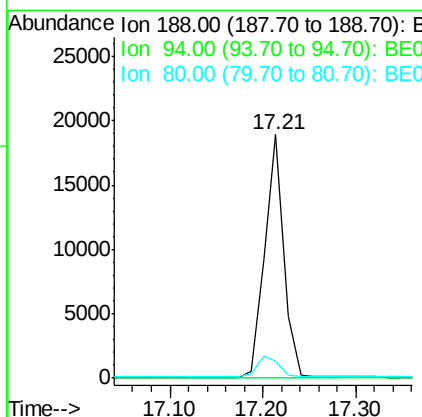
RT: 17.21 min Scan# 1119

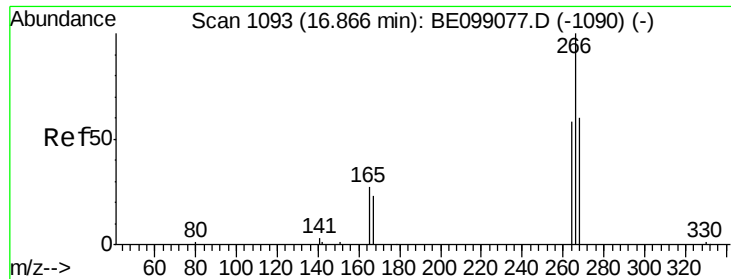
Delta R.T. 0.00 min

Lab File: BE099123.D

Acq: 23 Mar 2019 22:46

Tgt Ion:	188	Resp:	26981
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.8	6.3	9.5





#22

Pentachlorophenol

Concen: 0.279 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099123.D

Acq: 23 Mar 2019 22:46

Instrument :

BNA_E

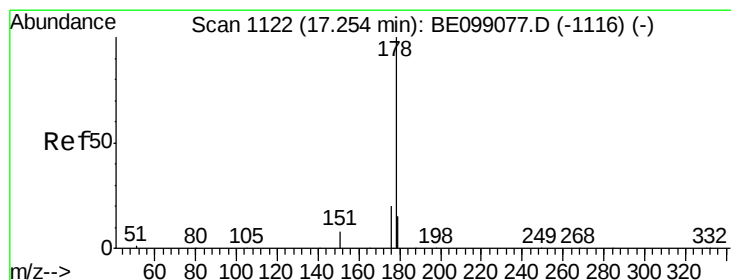
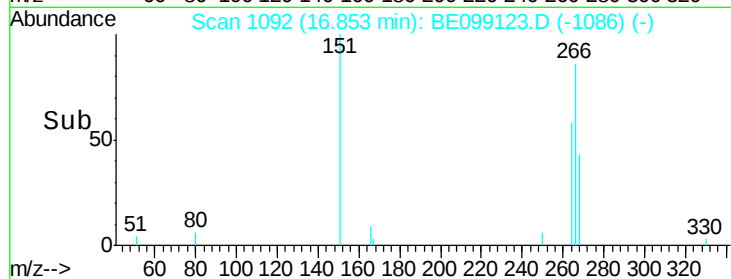
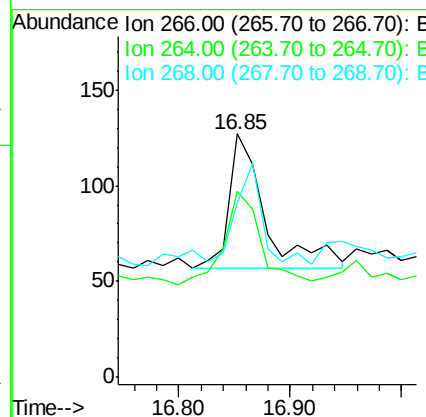
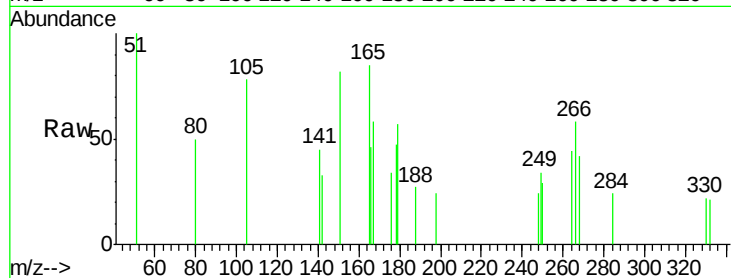
ClientSampleId :

PST-026-SW073-031819

Tot Ion:	266	Resp:	157
Ion Ratio	Lower	Upper	
266	100		
264	76.4	66.6	100.0
268	71.7	69.8	104.8

Manual Integrations
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#23

Phenanthrene

Concen: 0.347 ng

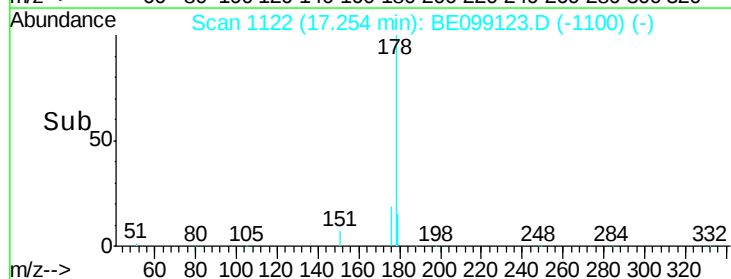
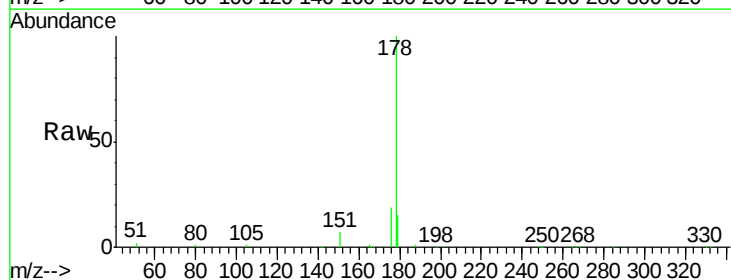
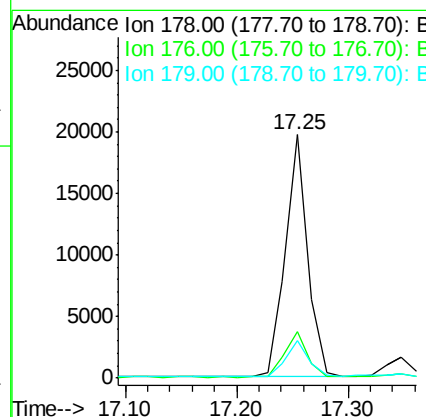
RT: 17.25 min Scan# 1122

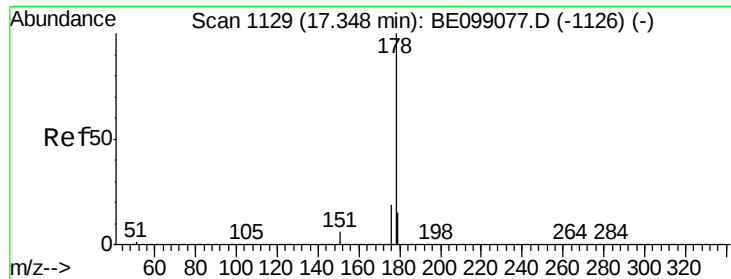
Delta R.T. 0.00 min

Lab File: BE099123.D

Acq: 23 Mar 2019 22:46

Tgt Ion:	178	Resp:	27789
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.0	24.0
179	15.4	12.1	18.1





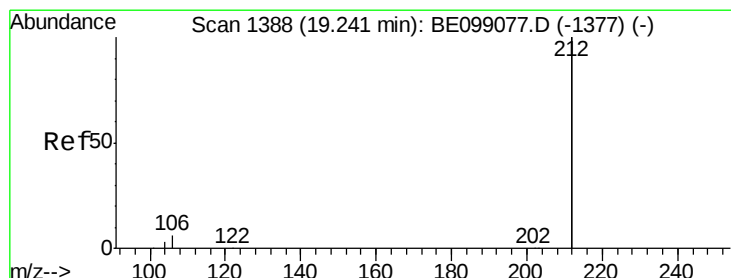
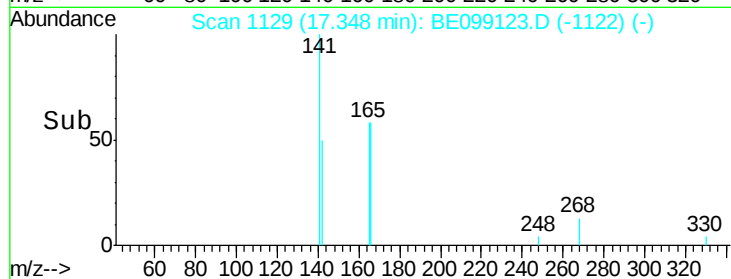
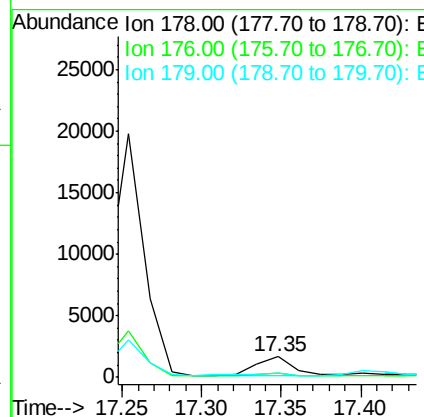
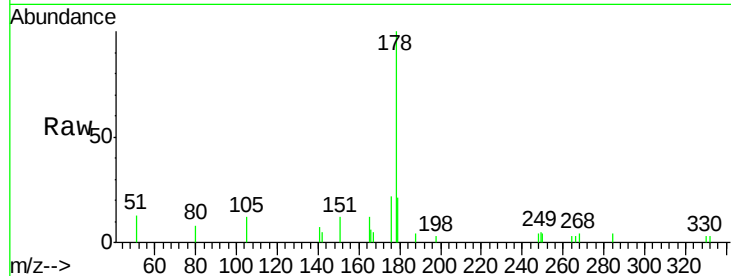
#24
 Anthracene
 Concen: 0.033 ng
 RT: 17.35 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: BE099123.D
 Acq: 23 Mar 2019 22:46

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW073-031819

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.4	23.0
179	16.7	12.2	18.4

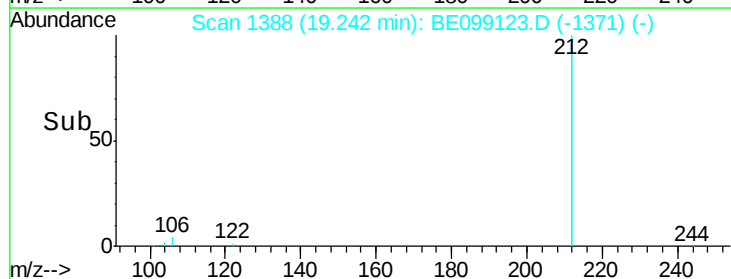
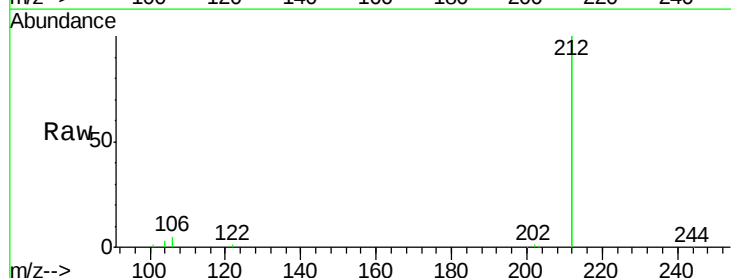
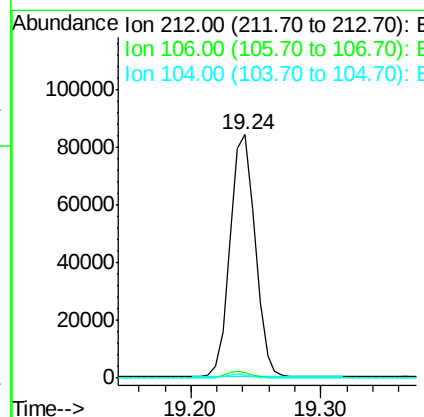
Manual Integrations
 APPROVED

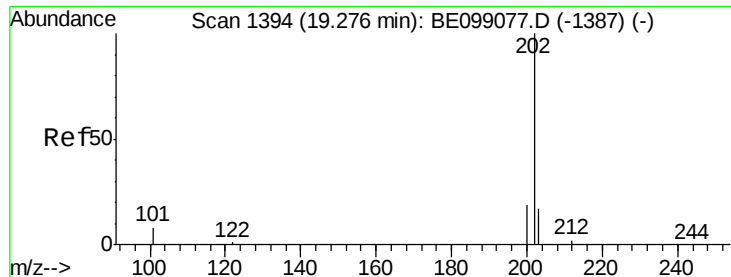
Sohil
 3/25/2019 12:37:15 PM



#25
 Fluoranthene-d10
 Concen: 0.310 ng
 RT: 19.24 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: BE099123.D
 Acq: 23 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.7	1.8	2.8
104	1.5	1.0	1.6





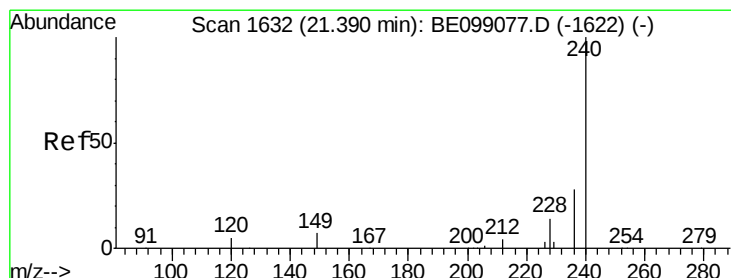
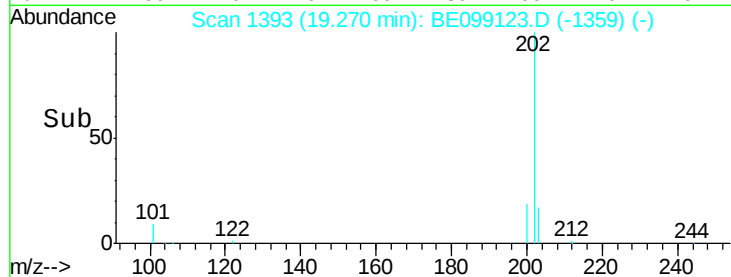
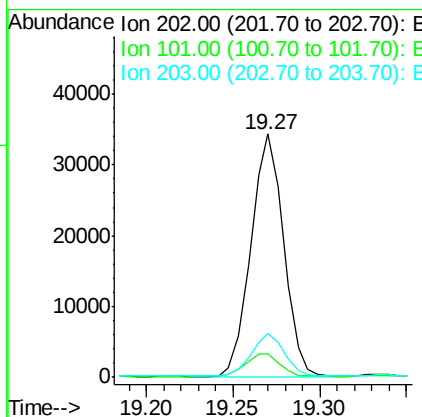
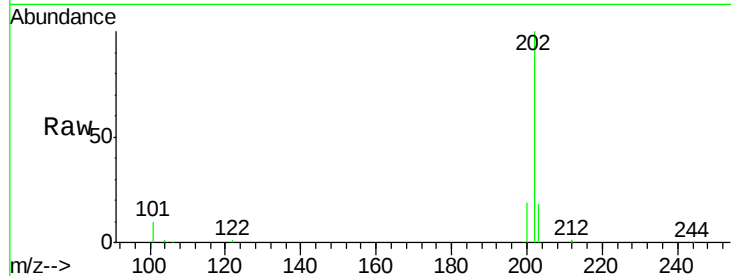
#26
Fluoranthene
 Concen: 0.400 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BE099123.D
 Acq: 23 Mar 2019 22:46

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW073-031819

Tot Ion	Ratio	Resp	Lower	Upper
202	100	45097		
101	9.9		7.3	10.9
203	17.7		13.4	20.2

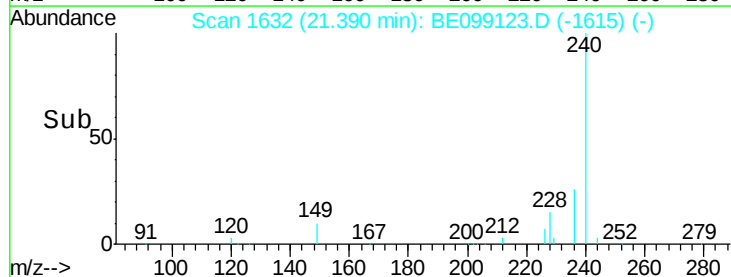
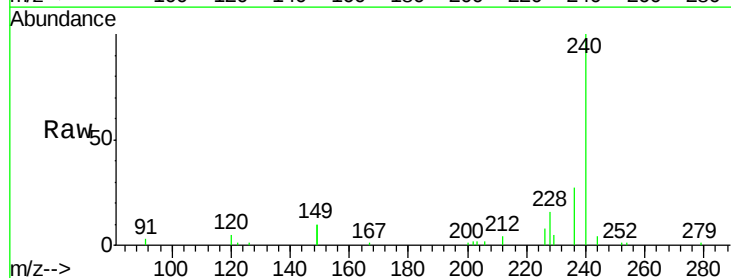
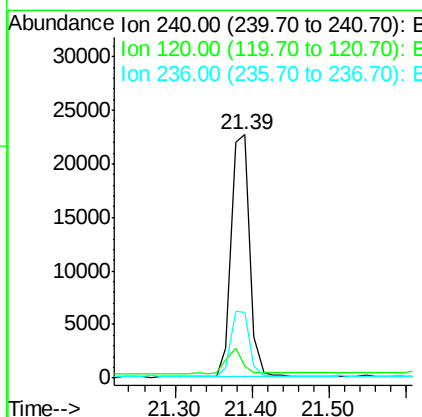
Manual Integrations
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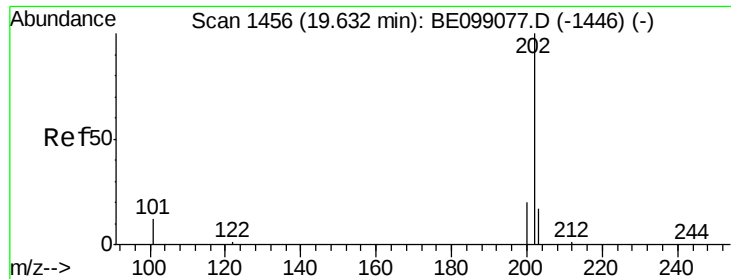
Sohil
 3/25/2019 12:37:15 PM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: BE099123.D
 Acq: 23 Mar 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	37833		
120	5.2		5.0	7.4
236	27.1		22.7	34.1





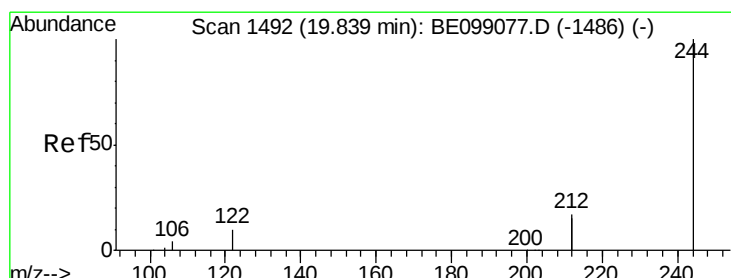
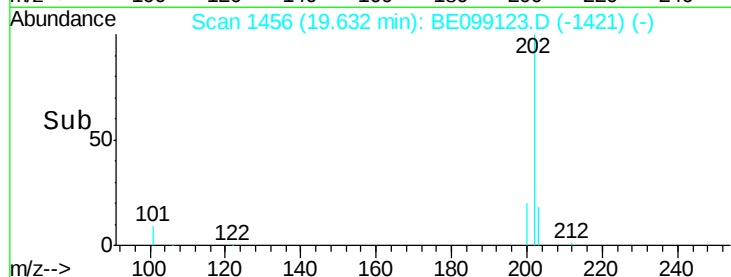
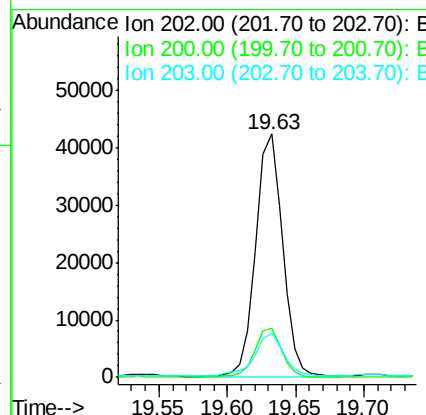
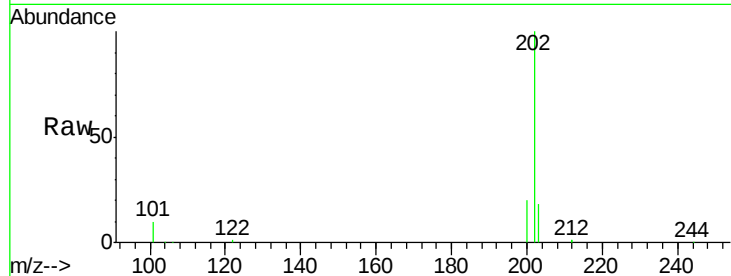
#28
Pvrene
Concen: 0.444 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Instrument :
BNA_E
ClientSampleId :
PST-026-SW073-031819

Tot Ion	Ratio	Resp	Lower	Upper
202	100	57021		
200	19.9		17.0	25.6
203	19.6		14.2	21.2

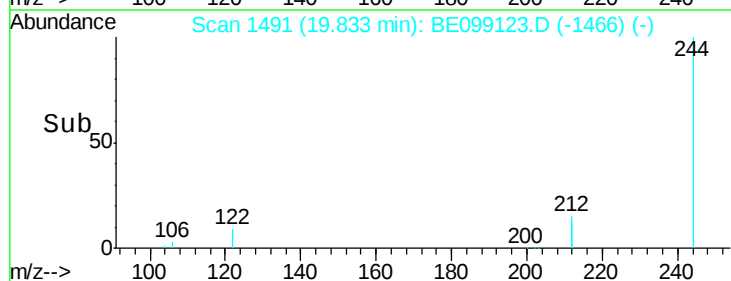
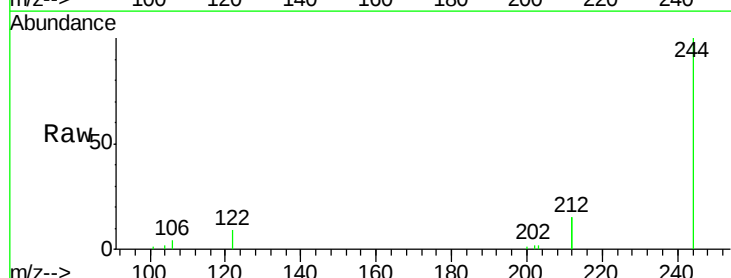
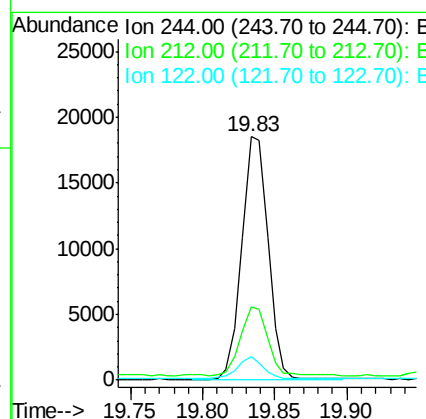
Manual Integrations
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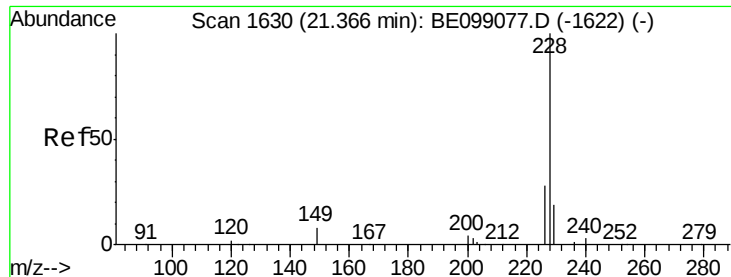
Sohil
3/25/2019 12:37:15 PM



#29
Terphenyl-d14
Concen: 0.293 ng
RT: 19.83 min Scan# 1491
Delta R.T. -0.01 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	23470		
212	30.3		29.4	44.2
122	9.4		7.1	10.7





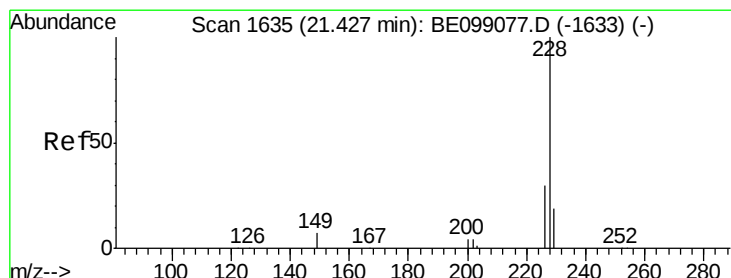
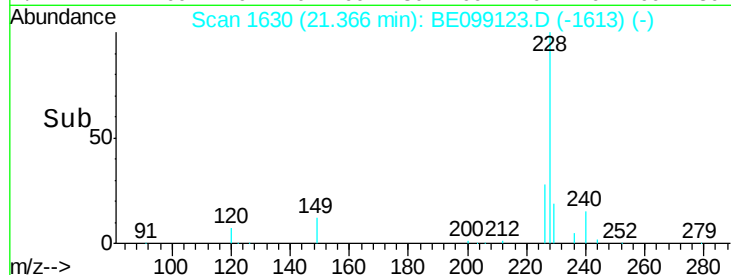
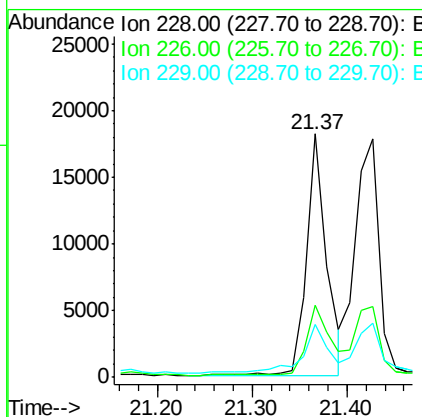
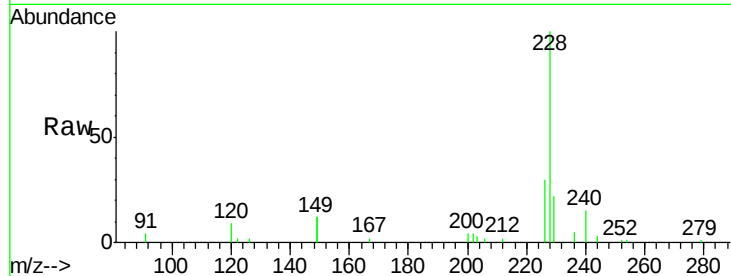
#30
Benzo(a)anthracene
Concen: 0.199 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Instrument :
BNA_E
ClientSampleId :
PST-026-SW073-031819

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.0	34.4
229	21.6	16.5	24.7

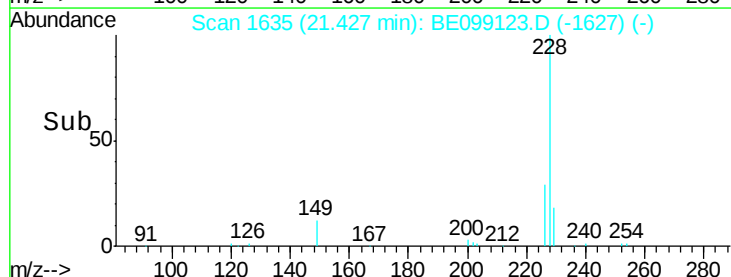
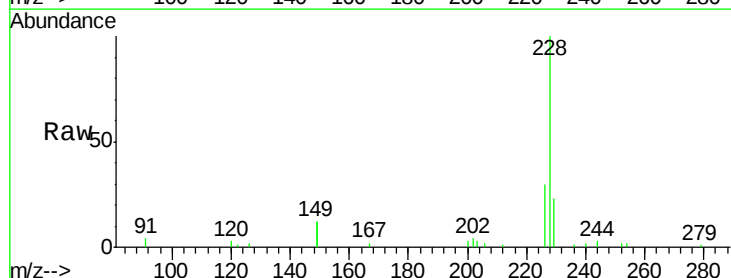
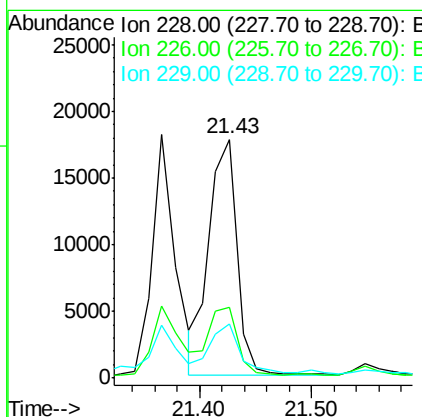
Manual Integrations
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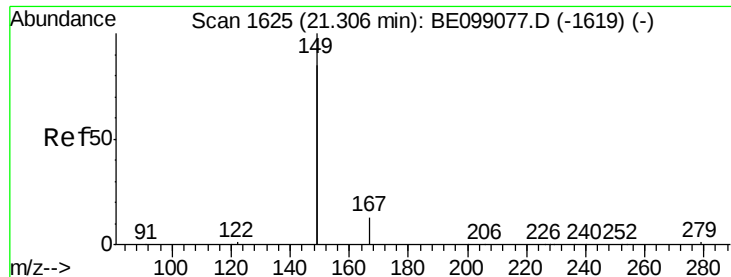
Sohil
3/25/2019 12:37:15 PM



#31
Chrysene
Concen: 0.230 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.7	35.5
229	23.0	16.1	24.1





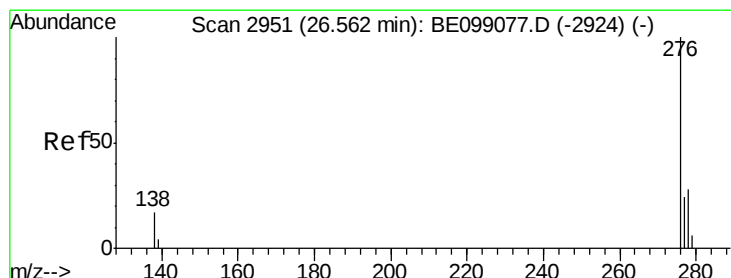
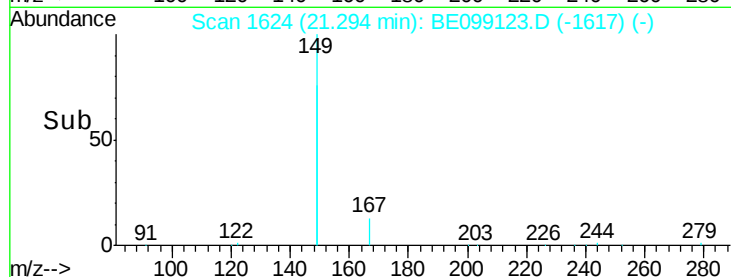
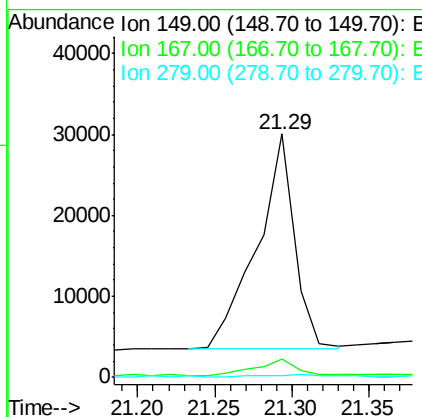
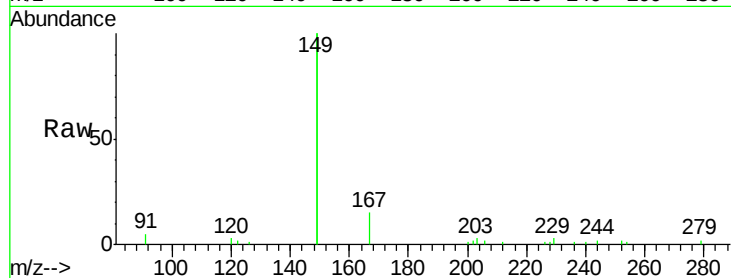
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.258 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Instrument :
BNA_E
ClientSampleId :
PST-026-SW073-031819

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.4	8.0
279	1.0	1.0	1.4

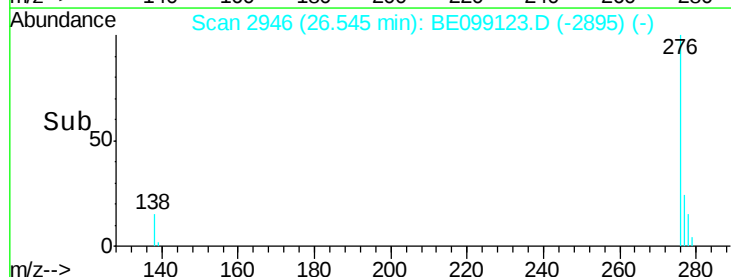
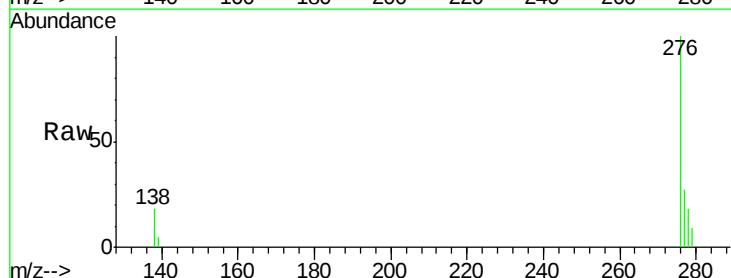
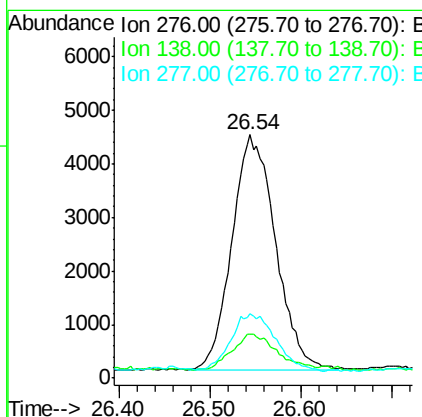
Manual Integrations
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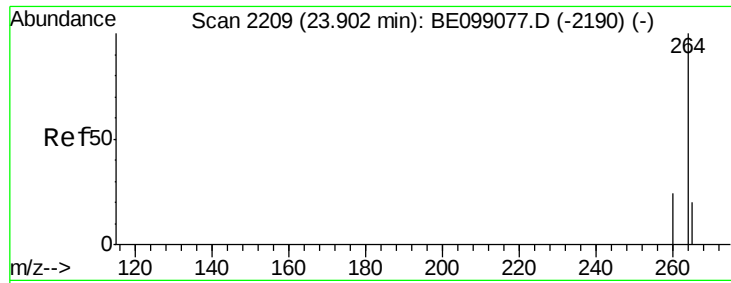
Sohil
3/25/2019 12:37:15 PM



#33
Indeno(1,2,3-cd)pyrene
Concen: 0.102 ng
RT: 26.54 min Scan# 2946
Delta R.T. -0.02 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.9	13.8	20.8
277	25.3	19.5	29.3





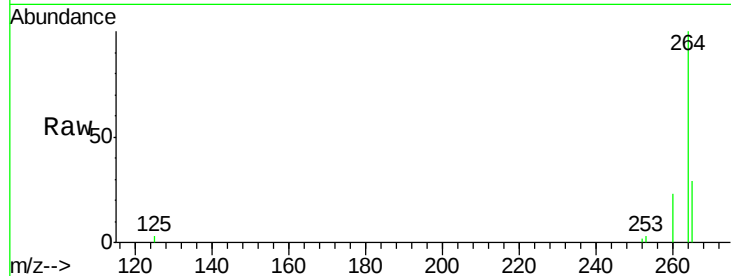
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Instrument :
BNA_E
ClientSampleId :
PST-026-SW073-031819

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	21.2	31.8
265	29.0	24.6	36.8

Manual Integrations
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3/25/2019 12:37:15 PM

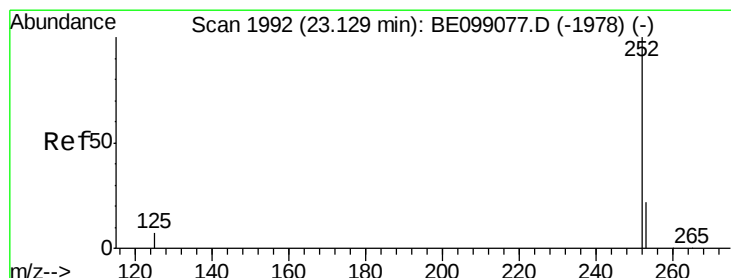
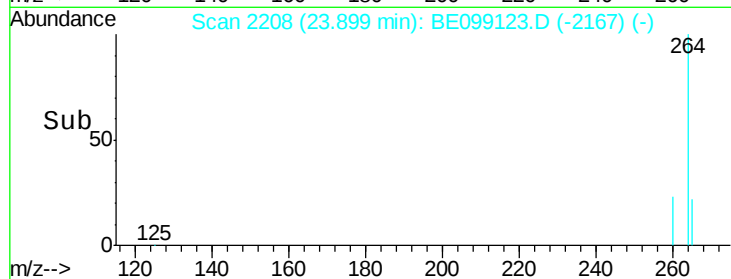
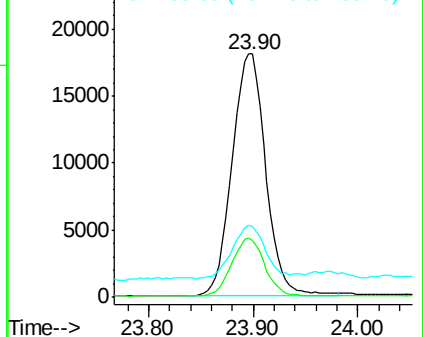


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#35
Benzo(b)fluoranthene
Concen: 0.218 ng
RT: 23.12 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

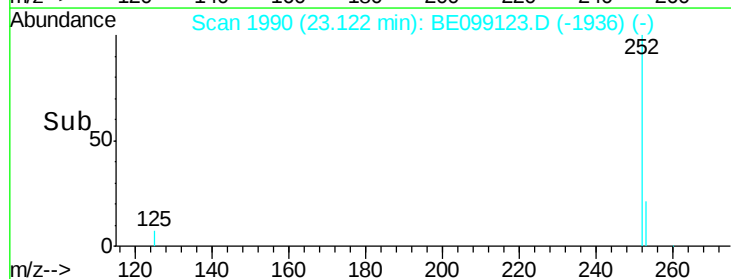
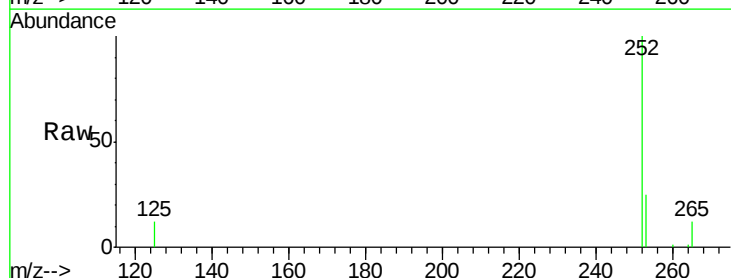
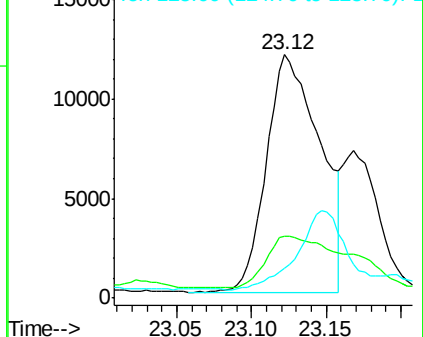
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.2	27.2
125	12.2	7.3	10.9

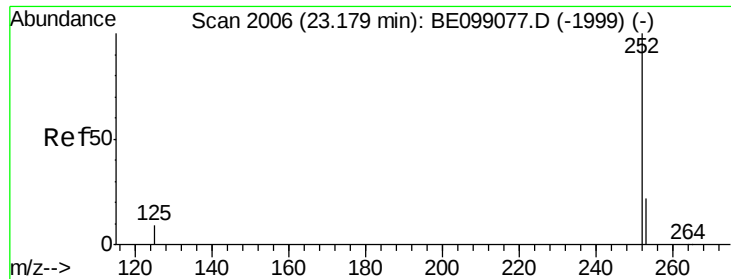
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





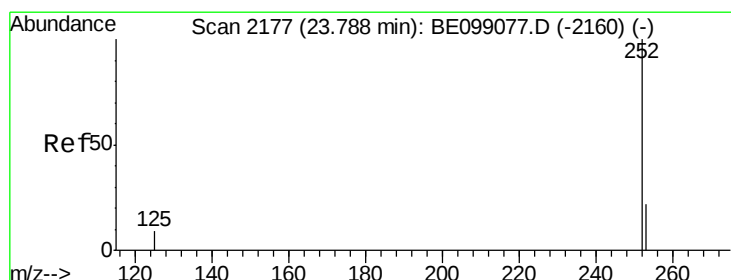
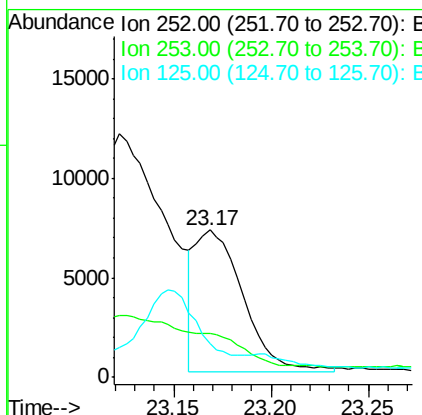
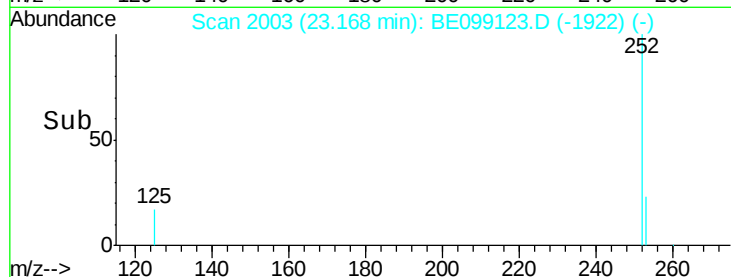
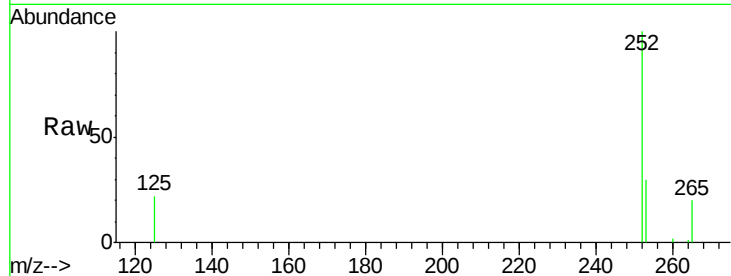
#36
Benzo(k)fluoranthene
Concen: 0.090 ng m
RT: 23.17 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Instrument :
BNA_E
ClientSampleId :
PST-026-SW073-031819

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.7	19.3	28.9#
125	22.5	7.5	11.3#

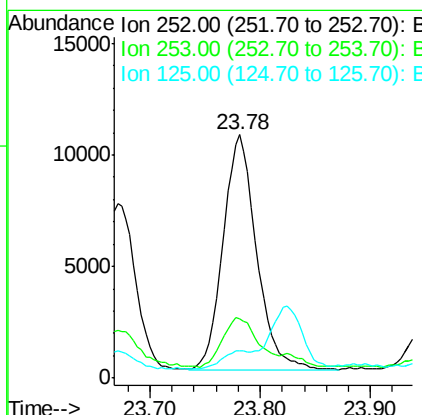
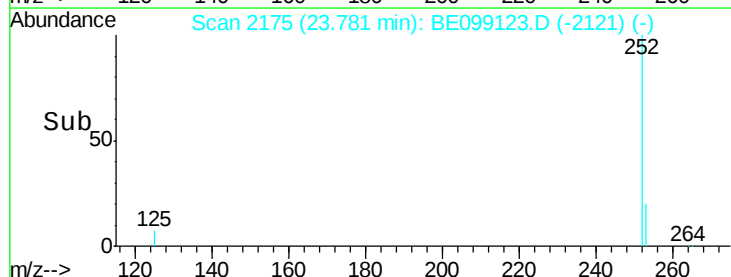
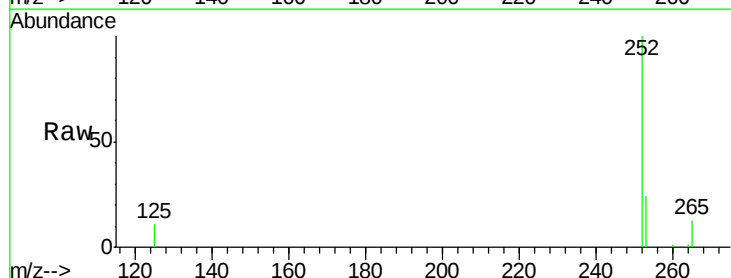
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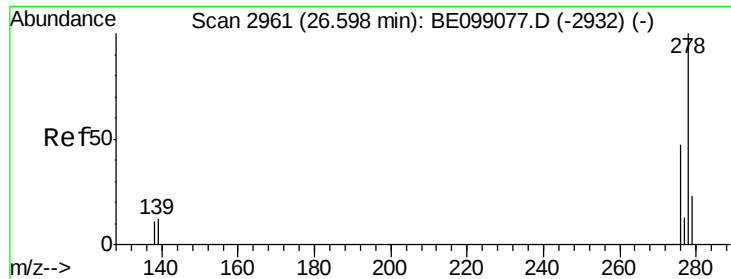
Sohil
3/25/2019 12:37:15 PM



#37
Benzo(a)pyrene
Concen: 0.176 ng
RT: 23.78 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.9	29.9
125	11.3	9.0	13.4





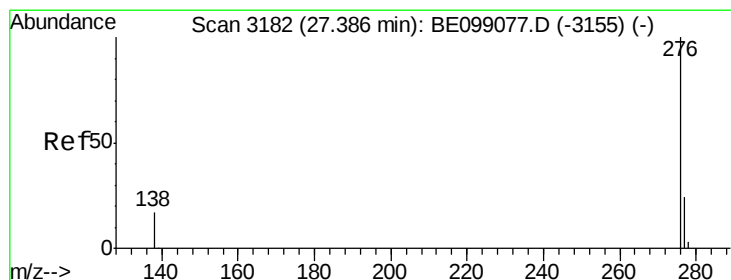
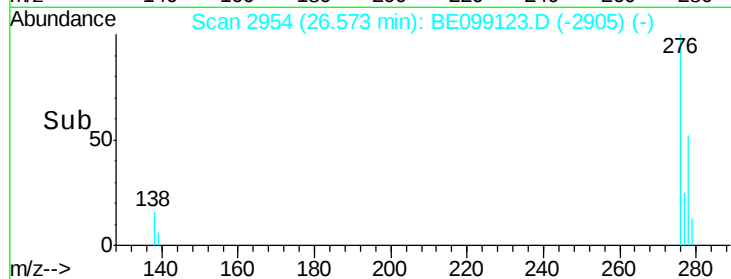
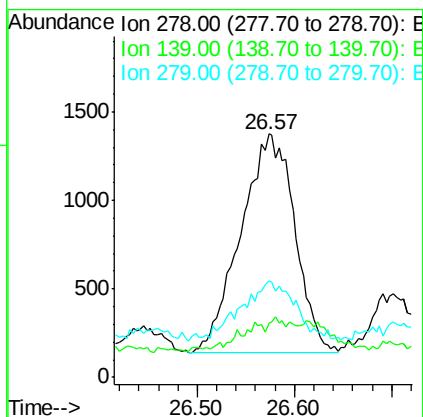
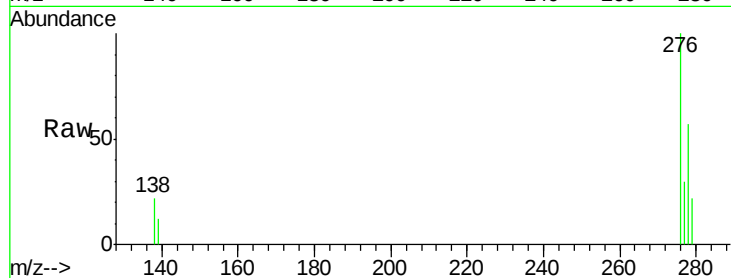
#38
Dibenzo(a,h)anthracene
Concen: 0.039 ng
RT: 26.57 min Scan# 2954
Delta R.T. -0.02 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Instrument :
BNA_E
ClientSampleId :
PST-026-SW073-031819

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.1	11.8	17.6#
279	39.4	21.1	31.7#

Manual Integrations
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Sohil
3/25/2019 12:37:15 PM



#39
Benzo(g,h,i)perylene
Concen: 0.121 ng
RT: 27.37 min Scan# 3177
Delta R.T. -0.02 min
Lab File: BE099123.D
Acq: 23 Mar 2019 22:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.4	30.6
138	18.7	13.6	20.4

