

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099130.D
 Acq On : 24 Mar 2019 3:06
 Operator : JU/SJ
 Sample : K1948-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW065-031219

Manual Integrations
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 3/25/2019 12:37:31 PM

Quant Time: Mar 24 03:56:20 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	4085	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	15795	0.40	ng	-0.01
13) Acenaphthene-d10	14.48	164	10245	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	28215	0.40	ng	0.00
27) Chrysene-d12	21.39	240	40644	0.40	ng	0.00
34) Perylene-d12	23.89	264	44637	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	5312	0.44	ng	0.00
5) Phenol-d6	6.99	99	7556	0.43	ng	0.00
8) Nitrobenzene-d5	8.99	82	5524	0.80	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	11220	0.39	ng	-0.02
14) 2,4,6-Tribromophenol	15.96	330	2177	0.72	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	15502	0.38	ng	-0.02
25) Fluoranthene-d10	19.24	212	145651	0.39	ng	0.00
29) Terphenyl-d14	19.83	244	24858	0.29	ng	0.00

Target Compounds				Qvalue		
6) bis(2-Chloroethyl)ether	7.28	93	7747	0.544	ng	# 1
9) Naphthalene	10.68	128	5070	0.027	ng	# 96
12) 2-Methylnaphthalene	12.30	142	646	0.020	ng	# 91
16) Acenaphthylene	14.20	152	3823	0.070	ng	95
17) Acenaphthene	14.54	154	782	0.024	ng	# 92
18) Fluorene	15.51	166	2281	0.048	ng	# 90
23) Phenanthrene	17.25	178	44892	0.536	ng	99
24) Anthracene	17.35	178	6850	0.086	ng	# 94
26) Fluoranthene	19.27	202	110413	0.937	ng	99
28) Pvrene	19.63	202	105391	0.764	ng	95
30) Benzo(a)anthracene	21.37	228	62851	0.439	ng	99
31) Chrysene	21.43	228	60134	0.420	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	52671	0.283	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	34823	0.226	ng	97
35) Benzo(b)fluoranthene	23.12	252	74375	0.482	ng	# 95
36) Benzo(k)fluoranthene	23.17	252	30372m	0.201	ng	
37) Benzo(a)pvrene	23.78	252	53519	0.375	ng	99
38) Dibenzo(a,h)anthracene	26.57	278	9782	0.070	ng	# 79
39) Benzo(g,h,i)perylene	27.37	276	35430	0.249	ng	99

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

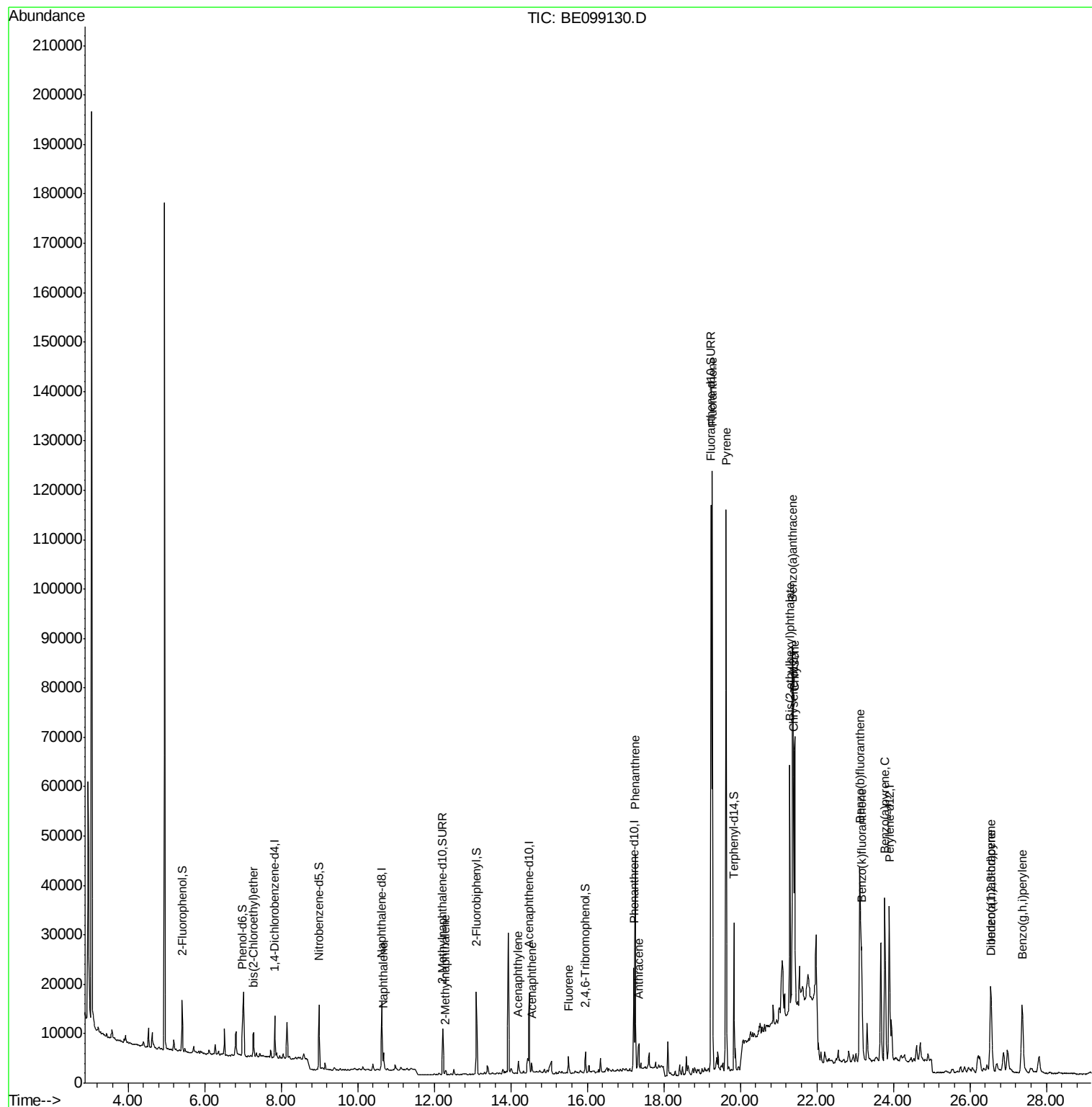
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
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#1

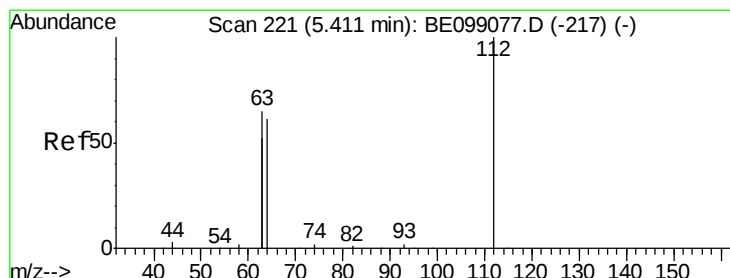
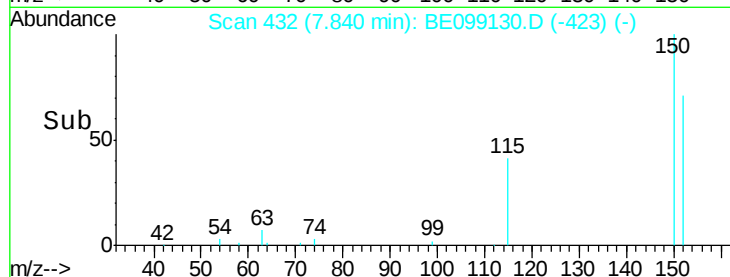
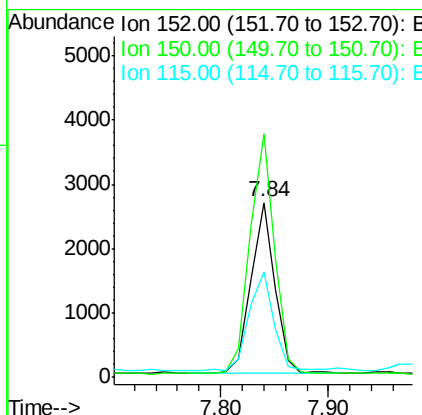
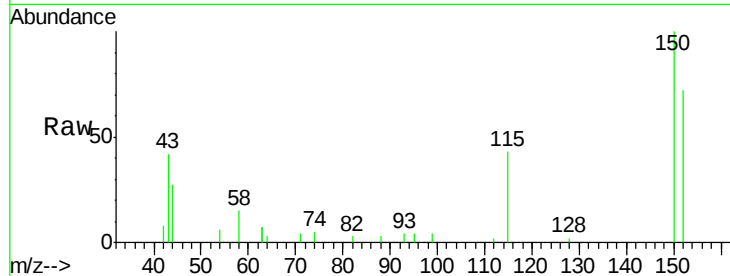
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099130.D
Acq: 24 Mar 2019 3:06

Instrument :
BNA_E
ClientSampleId :
PST-028-SW065-031219

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.3	122.5	183.7
115	60.0	57.4	86.2

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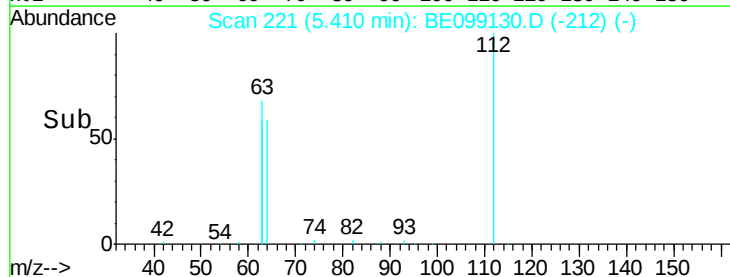
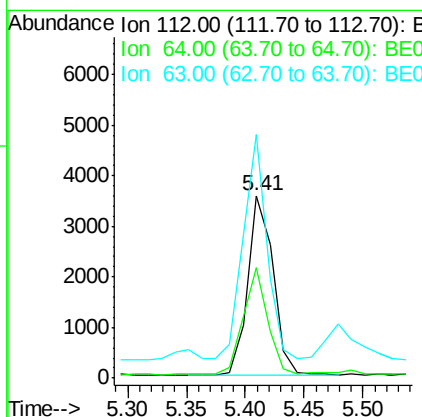
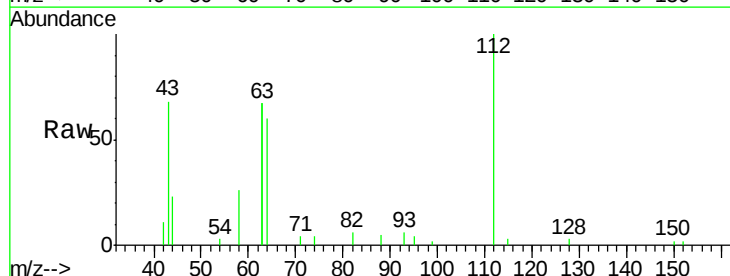
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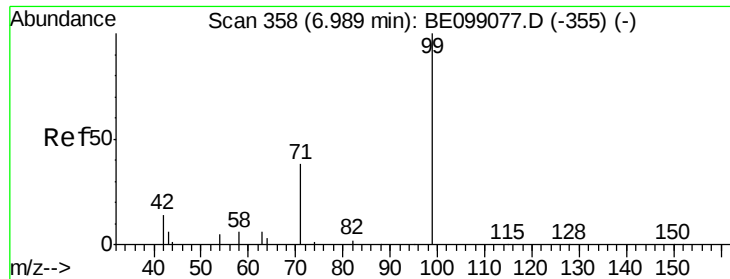


#4

2-Fluorophenol
Concen: 0.437 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099130.D
Acq: 24 Mar 2019 3:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	57.9	86.9#
63	117.6	158.3	237.5#





#5

Phenol-d6

Concen: 0.431 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Instrument :

BNA_E

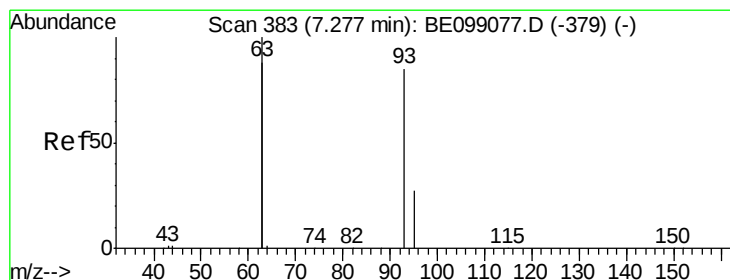
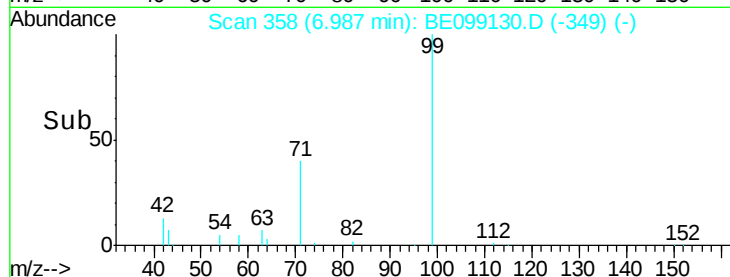
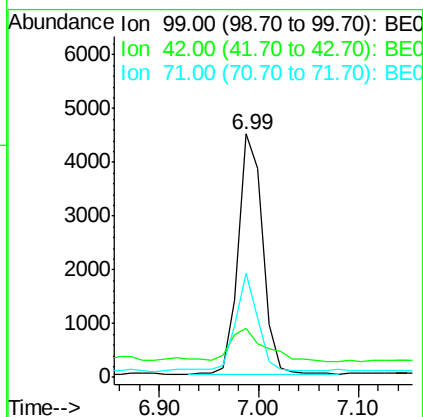
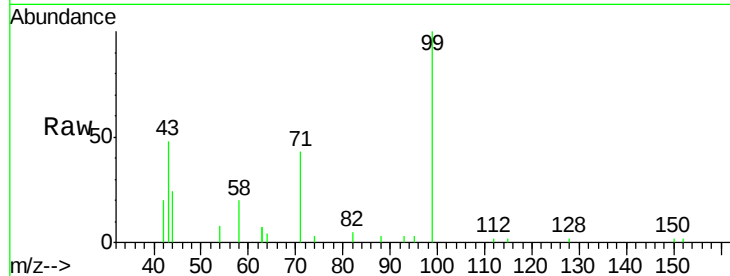
ClientSampleId :

PST-028-SW065-031219

Tot Ion:	99	Resp:	7556
Ion	Ratio	Lower	Upper
99	100		
42	19.2	24.2	36.2#
71	38.0	35.7	53.5

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#6

bis(2-Chloroethyl)ether

Concen: 0.544 ng

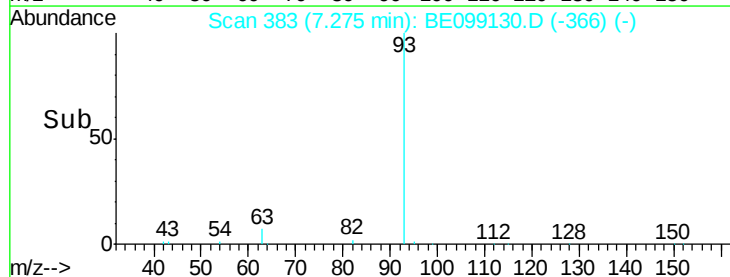
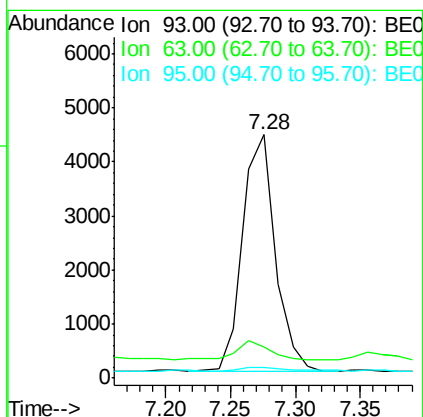
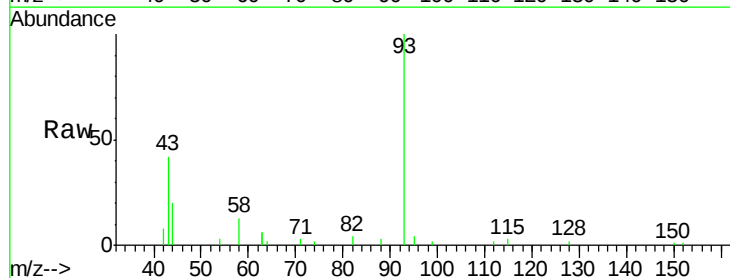
RT: 7.28 min Scan# 383

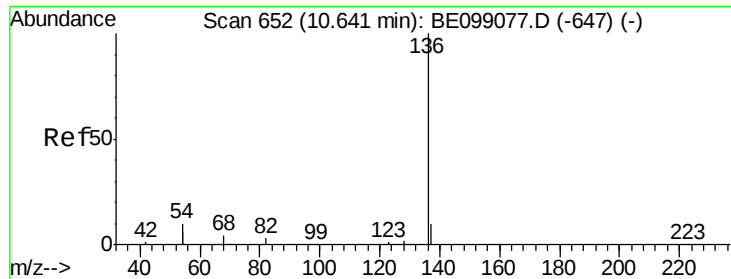
Delta R.T. -0.00 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Tgt Ion:	93	Resp:	7747
Ion	Ratio	Lower	Upper
93	100		
63	8.5	247.5	371.3#
95	2.5	21.8	32.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.01 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Instrument :

BNA_E

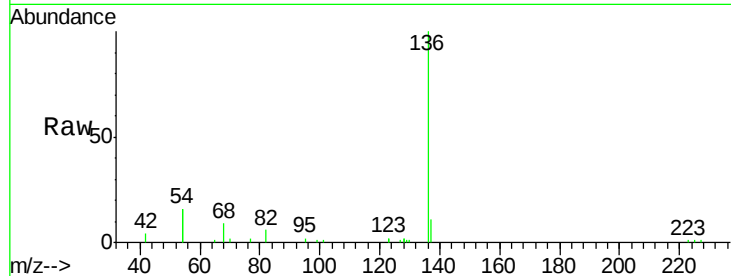
ClientSampleId :

PST-028-SW065-031219

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.9	11.4	17.0#
54	31.6	39.3	58.9#
68	8.7	6.7	10.1

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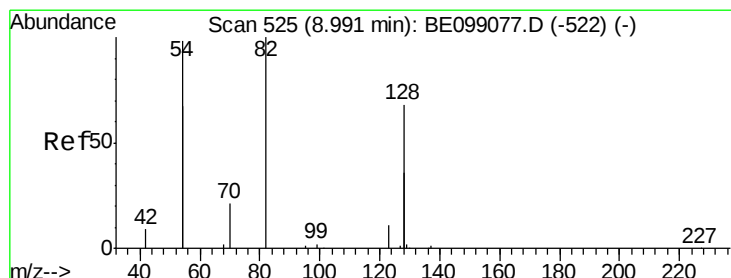
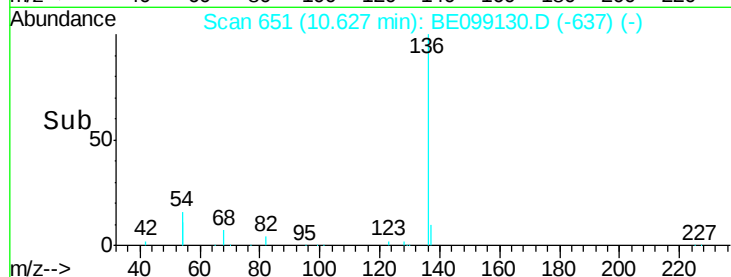
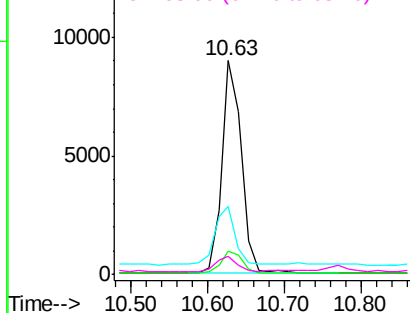


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.800 ng

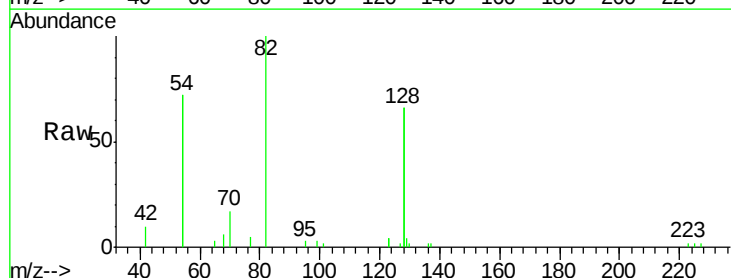
RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

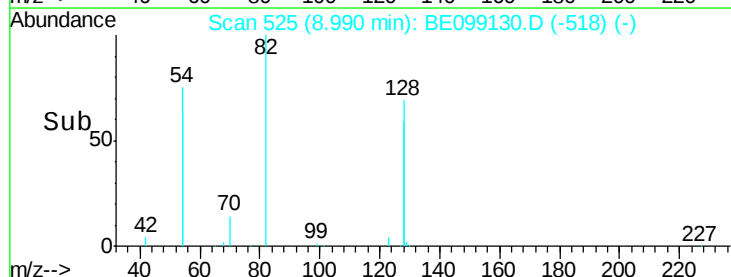
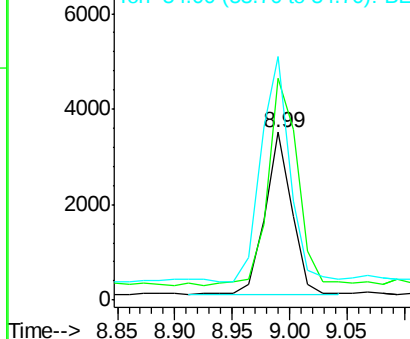
Tgt Ion	Ratio	Lower	Upper
82	100		
128	131.9	123.8	185.8
54	144.9	203.4	305.2#

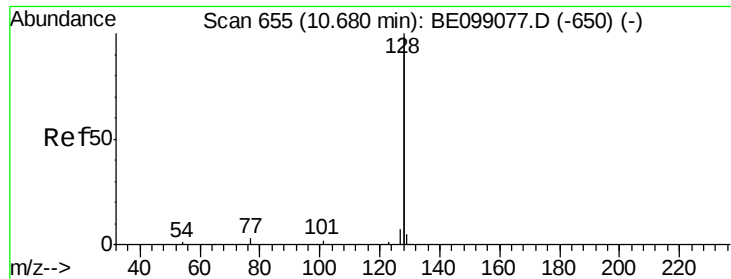


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.027 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Instrument :

BNA_E

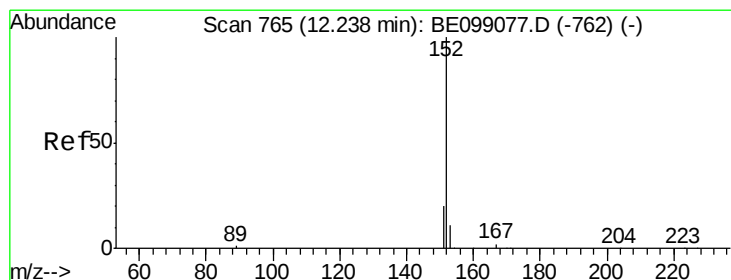
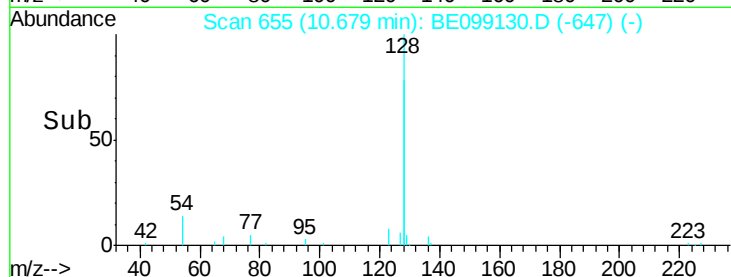
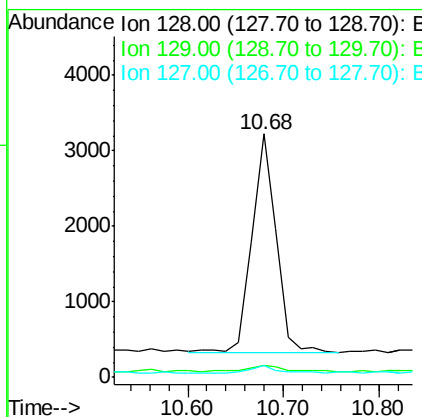
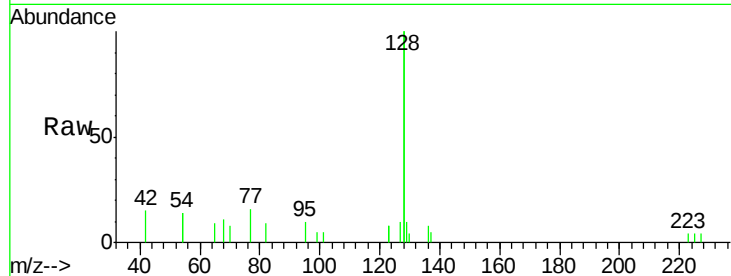
ClientSampleId :

PST-028-SW065-031219

Tot Ion:	128	Resp:	5070
Ion Ratio	Lower	Upper	
128	100		
129	5.0	2.6	4.0#
127	4.8	3.1	4.7#

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#11

2-Methylnaphthalene-d10

Concen: 0.394 ng

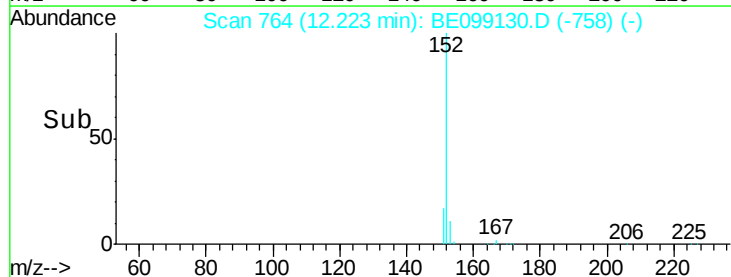
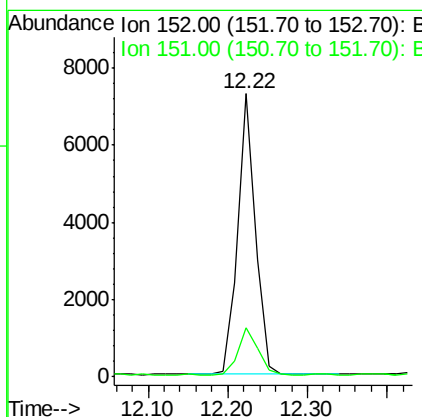
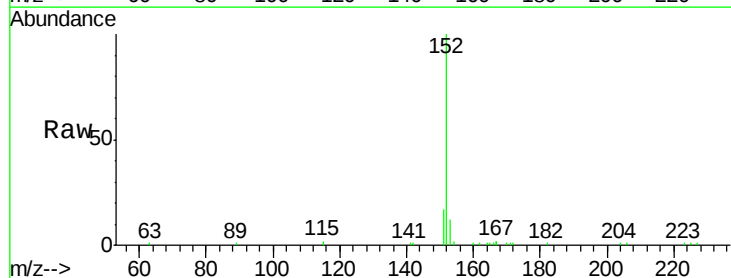
RT: 12.22 min Scan# 764

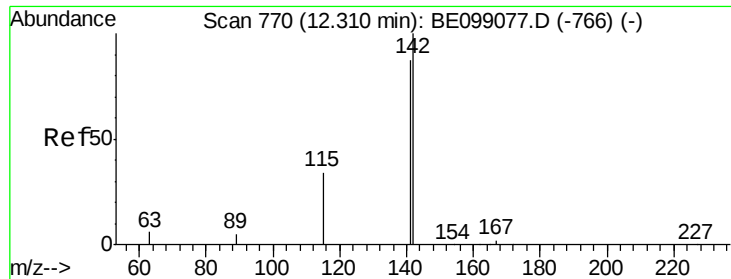
Delta R.T. -0.02 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Tgt Ion:	152	Resp:	11220
Ion Ratio	Lower	Upper	
152	100		
151	18.7	16.5	24.7





#12

2-Methylnaphthalene

Concen: 0.020 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.02 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Instrument :

BNA_E

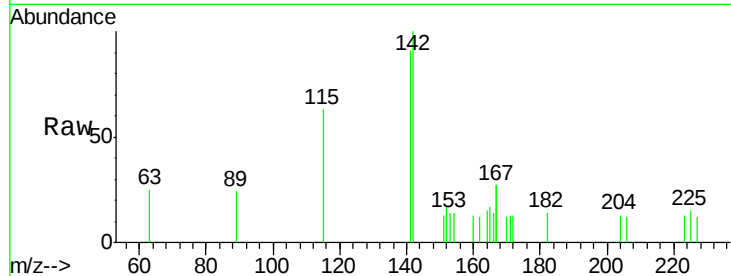
ClientSampleId :

PST-028-SW065-031219

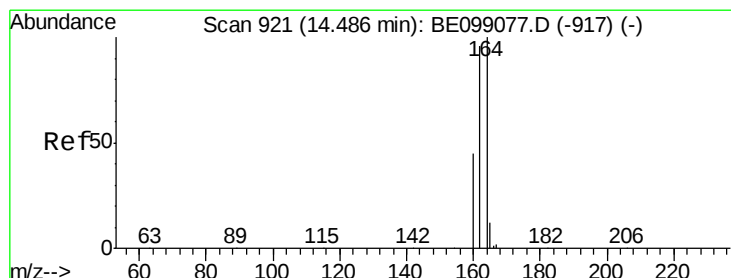
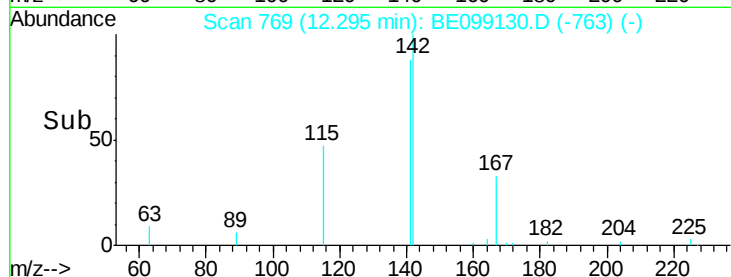
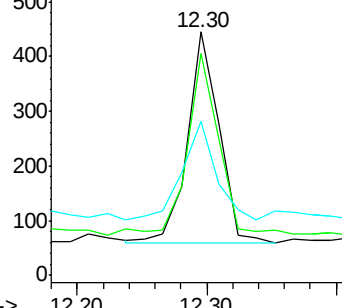
Tot Ion:	142	Resp:	646
Ion Ratio	Lower	Upper	
142	100		
141	91.2	72.6	108.8
115	63.1	37.4	56.2

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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: 14.48 min Scan# 921

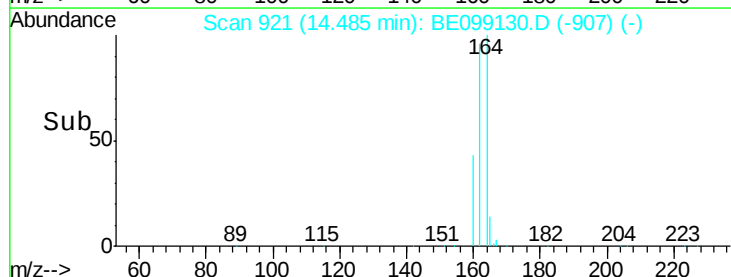
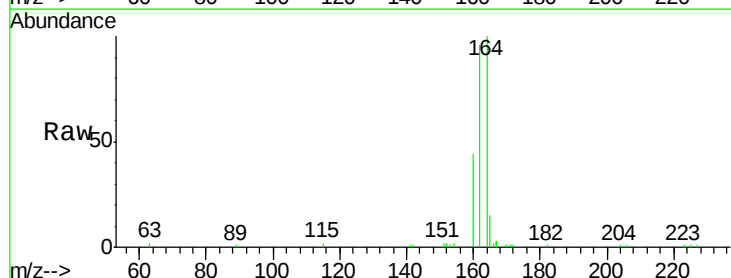
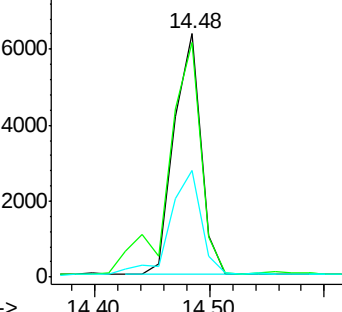
Delta R.T. -0.00 min

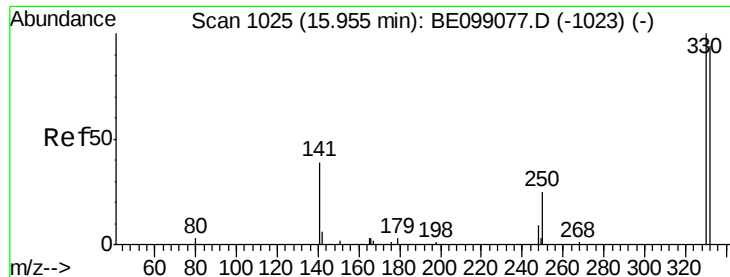
Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Tgt Ion:	164	Resp:	10245
Ion Ratio	Lower	Upper	
164	100		
162	96.2	80.2	120.2
160	43.7	37.8	56.8

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





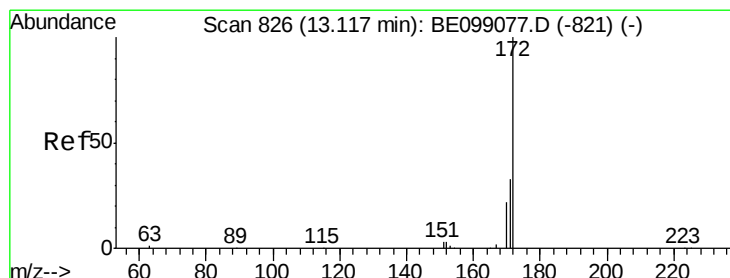
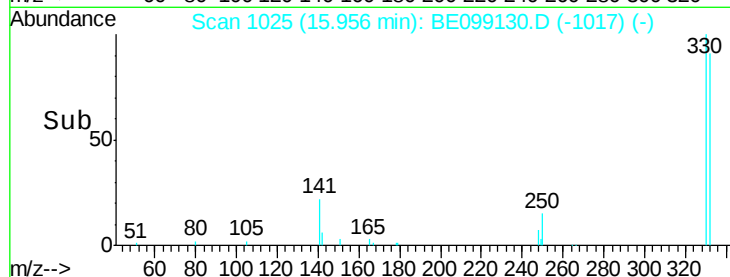
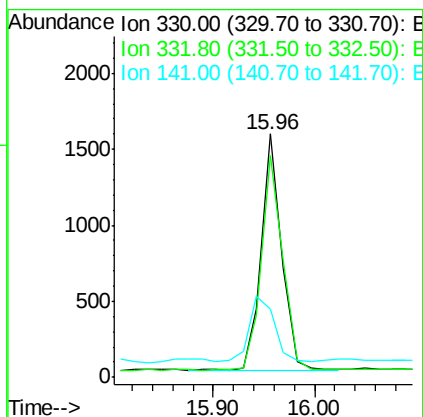
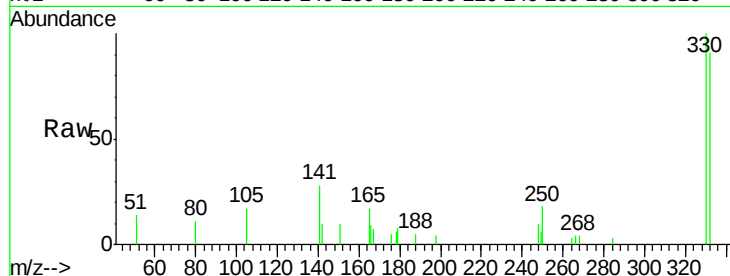
#14
 2,4,6-Tribromophenol
 Concen: 0.723 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099130.D
 Acq: 24 Mar 2019 3:06

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW065-031219

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	34.0	31.0	46.4

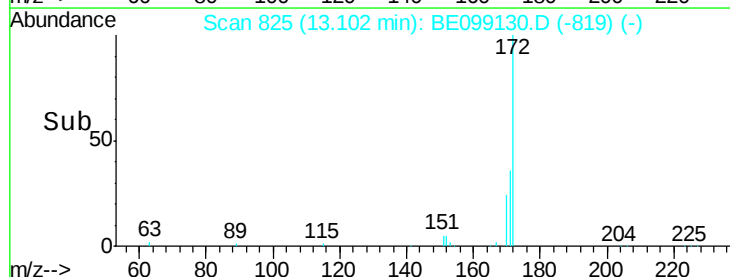
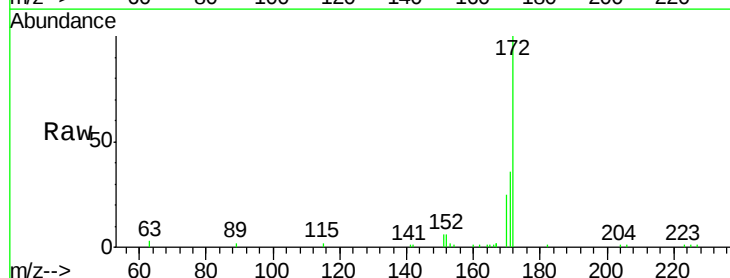
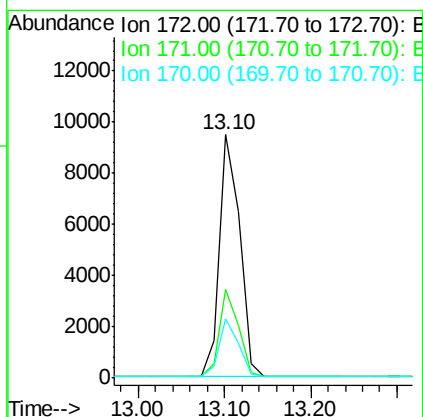
Manual Integrations
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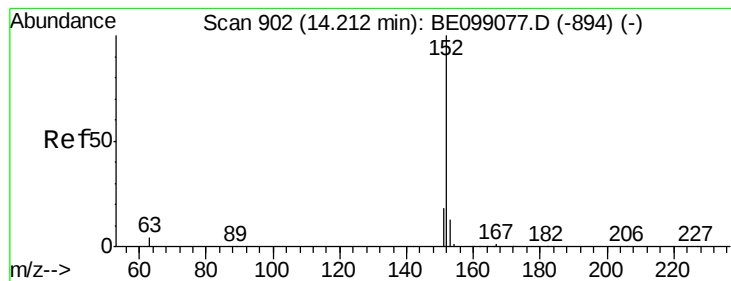
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#15
 2-Fluorobiphenyl
 Concen: 0.380 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.02 min
 Lab File: BE099130.D
 Acq: 24 Mar 2019 3:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.0	42.0
170	24.6	17.7	26.5





#16

Acenaphthylene

Concen: 0.070 ng

RT: 14.20 min Scan# 901

Delta R.T. -0.02 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Instrument :

BNA_E

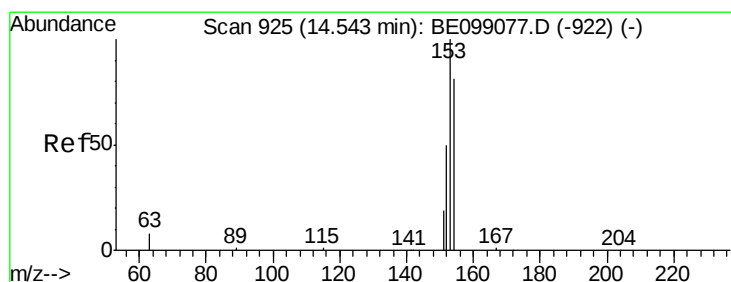
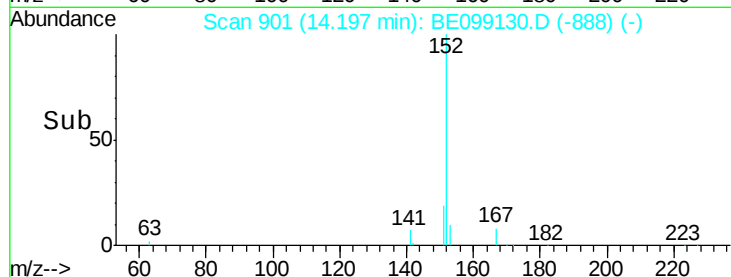
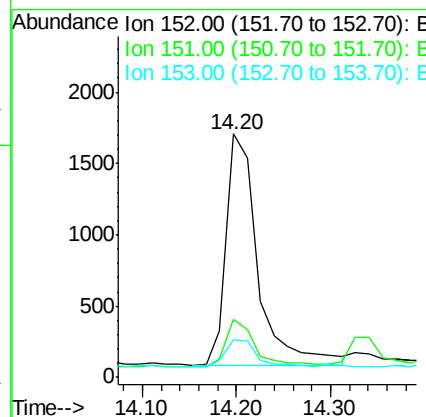
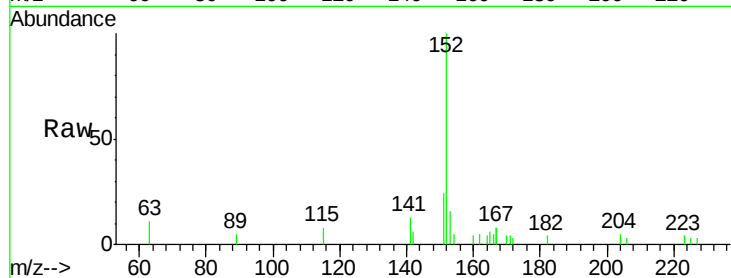
ClientSampleId :

PST-028-SW065-031219

Tot Ion:	152	Resp:	3823
Ion Ratio	Lower	Upper	
152	100		
151	19.3	17.0	25.6
153	11.8	11.2	16.8

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#17

Acenaphthene

Concen: 0.024 ng

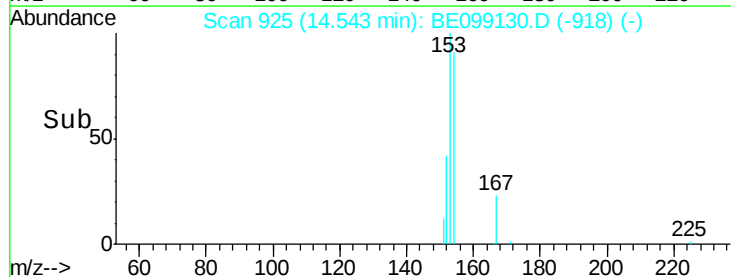
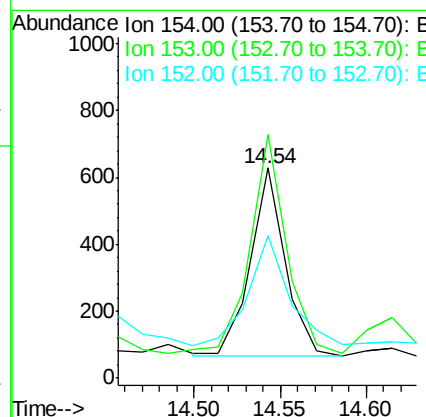
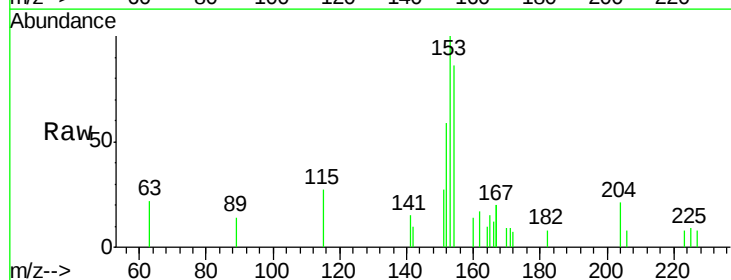
RT: 14.54 min Scan# 925

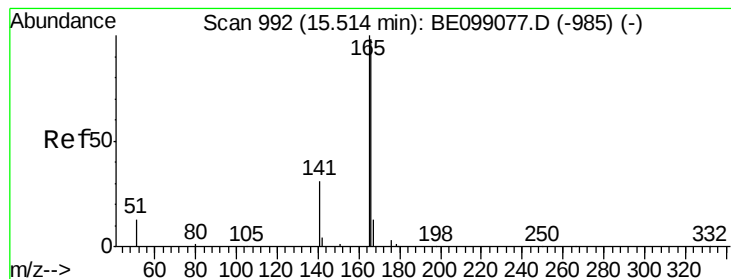
Delta R.T. -0.00 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Tgt Ion:	154	Resp:	782
Ion Ratio	Lower	Upper	
154	100		
153	121.9	94.2	141.4
152	69.4	45.0	67.4#





#18

Fluorene

Concen: 0.048 ng

RT: 15.51 min Scan# 992

Delta R.T. 0.00 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Instrument :

BNA_E

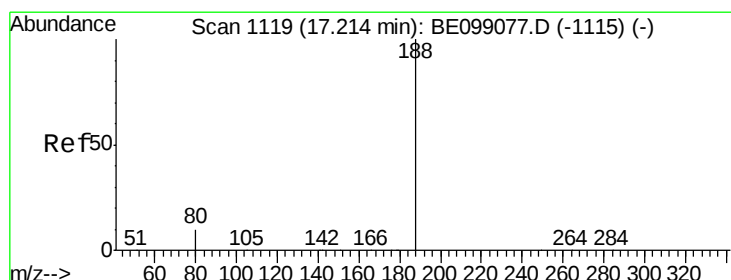
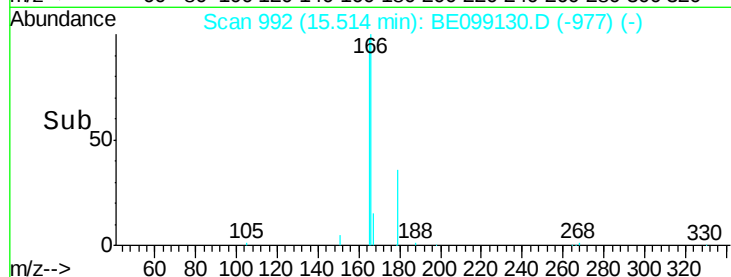
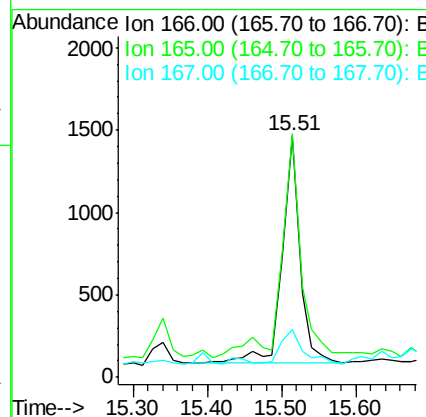
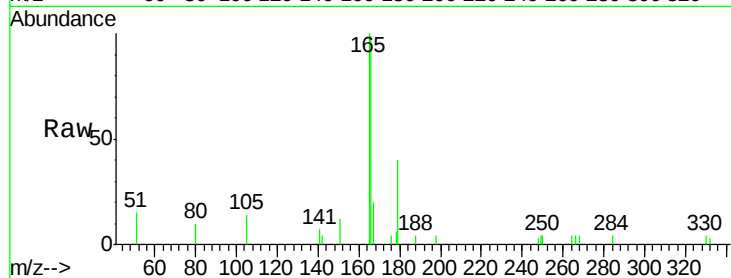
ClientSampleId :

PST-028-SW065-031219

Tot Ion:	166	Resp:	2281
Ion Ratio	Lower	Upper	
166	100		
165	108.3	79.3	118.9
167	19.6	10.5	15.7#

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#19

Phenanthrene-d10

Concen: 0.400 ng

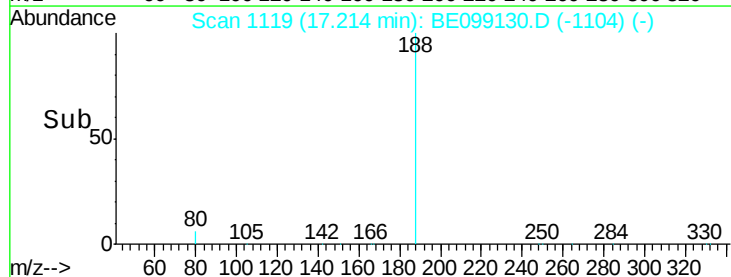
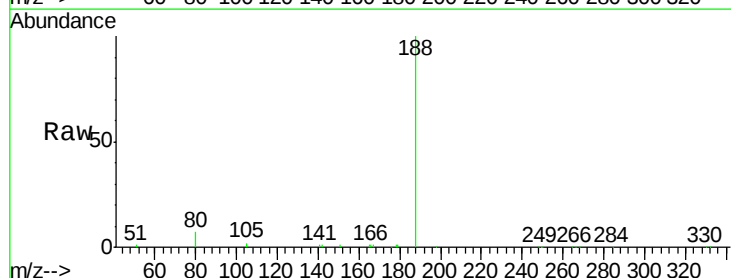
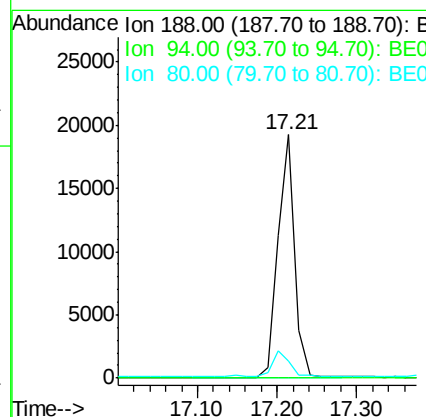
RT: 17.21 min Scan# 1119

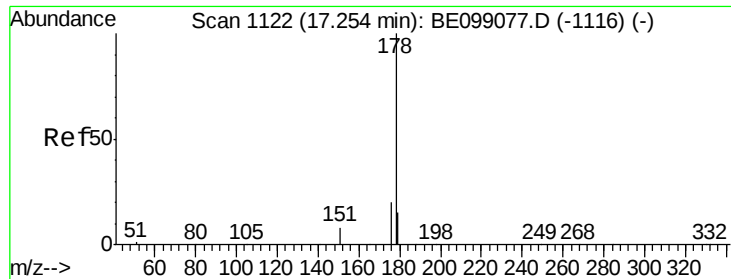
Delta R.T. 0.00 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Tgt Ion:	188	Resp:	28215
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.9	6.3	9.5





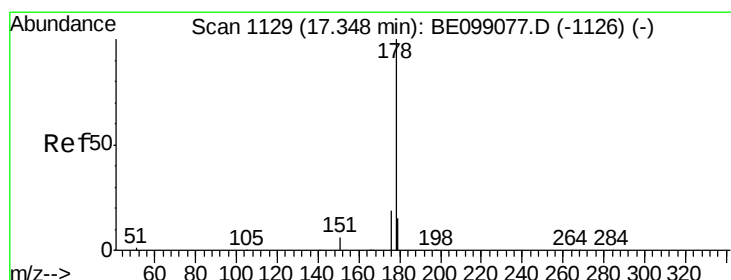
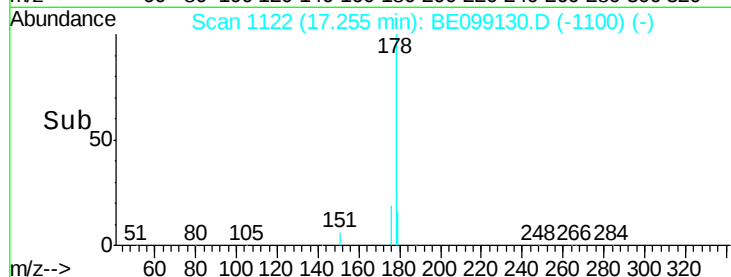
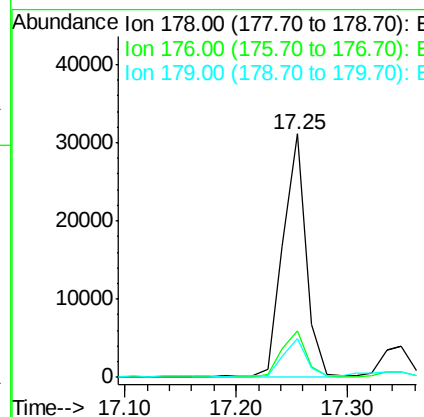
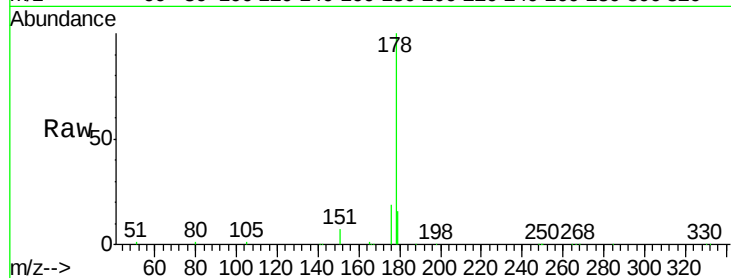
#23
Phenanthrene
Concen: 0.536 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099130.D
Acq: 24 Mar 2019 3:06

Instrument :
BNA_E
ClientSampleId :
PST-028-SW065-031219

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.0	24.0
179	15.8	12.1	18.1

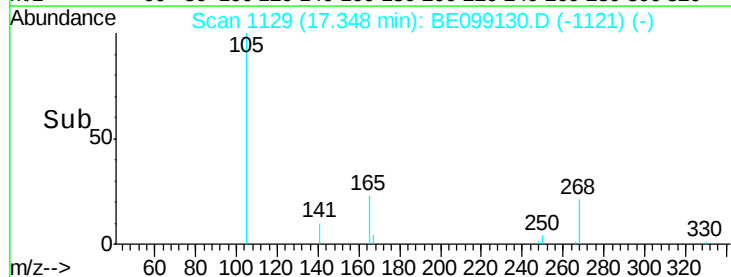
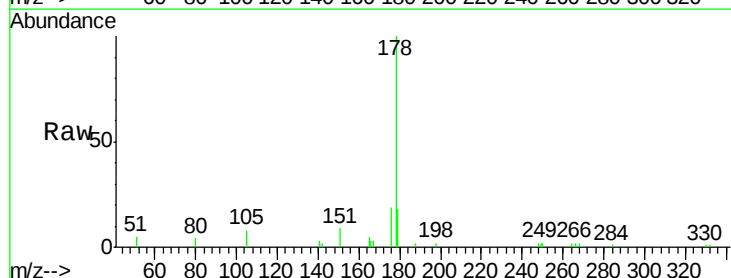
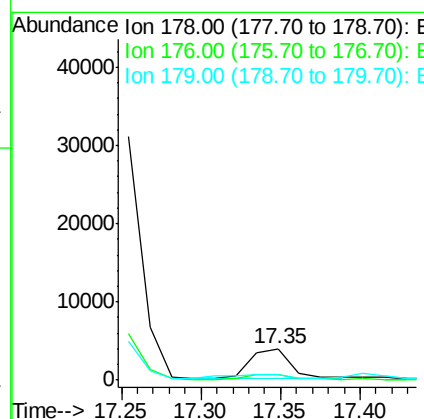
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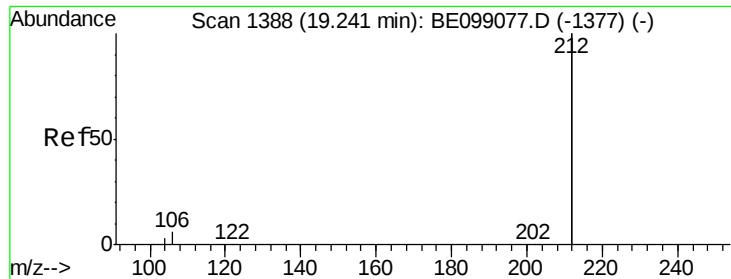
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#24
Anthracene
Concen: 0.086 ng
RT: 17.35 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BE099130.D
Acq: 24 Mar 2019 3:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.0
179	20.0	12.2	18.4





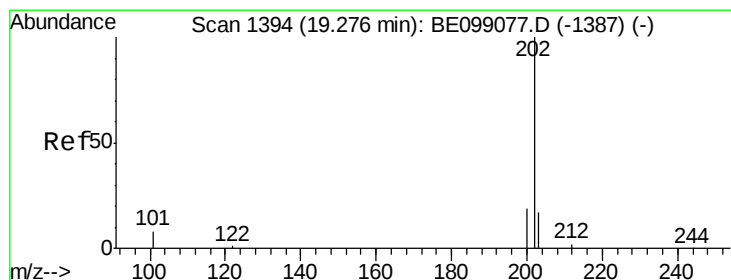
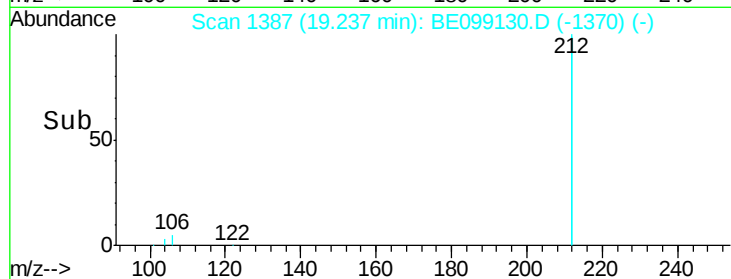
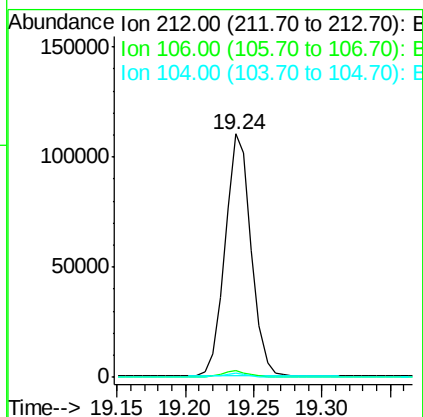
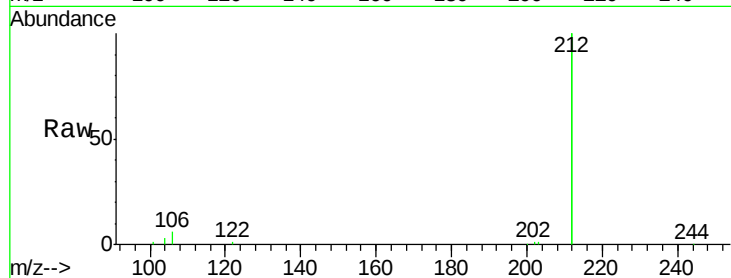
#25
 Fluoranthene-d10
 Concen: 0.387 ng
 RT: 19.24 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: BE099130.D
 Acq: 24 Mar 2019 3:06

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW065-031219

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

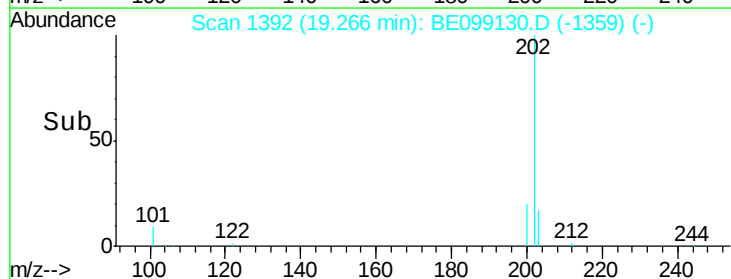
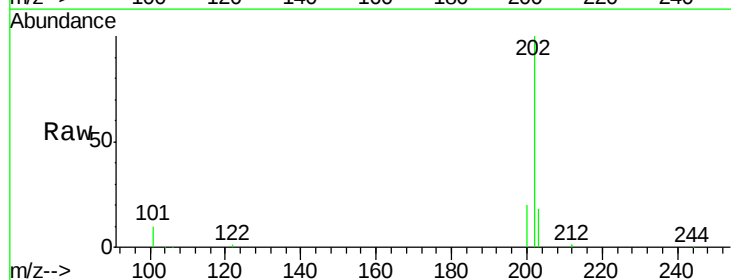
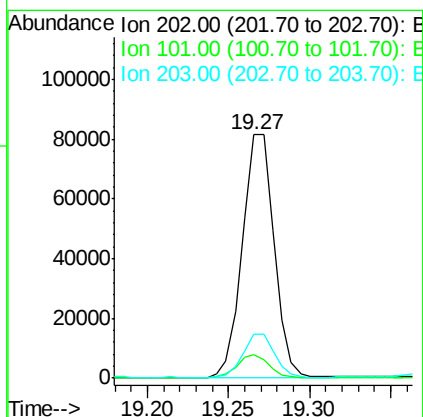
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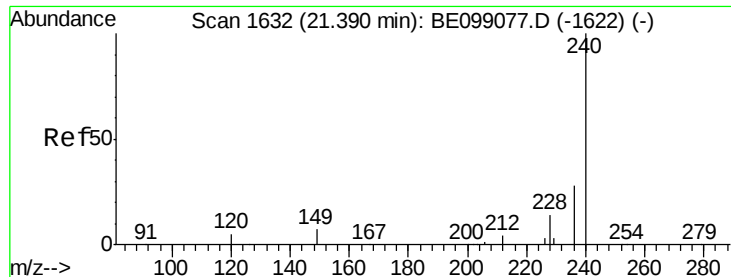
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#26
 Fluoranthene
 Concen: 0.937 ng
 RT: 19.27 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: BE099130.D
 Acq: 24 Mar 2019 3:06

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	9.4	7.3	10.9	
203	17.4	13.4	20.2	





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.39 min Scan# 1631

Delta R.T. -0.00 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Instrument :

BNA_E

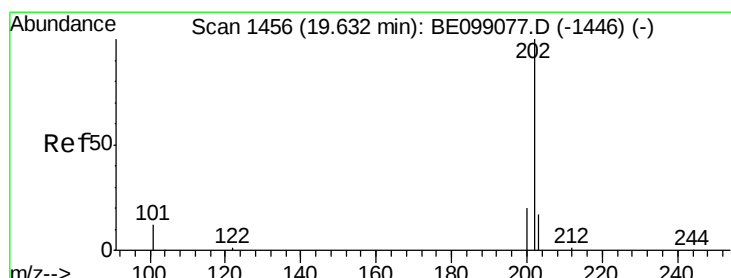
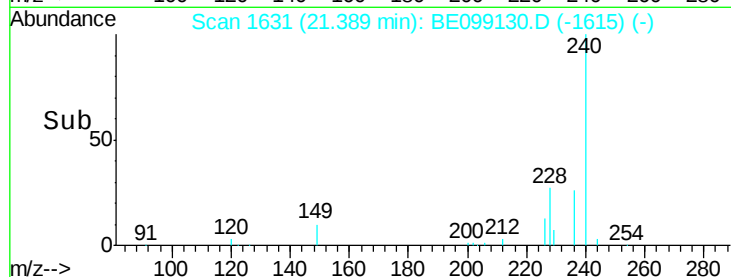
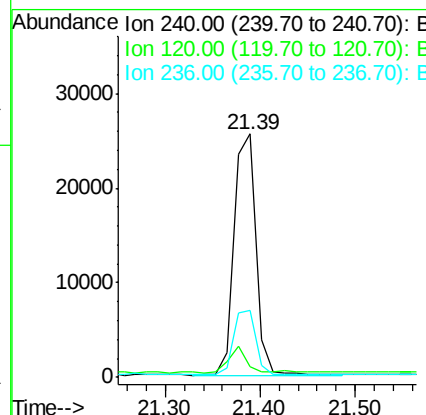
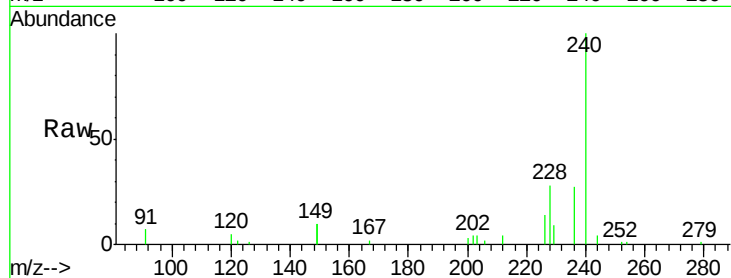
ClientSampleId :

PST-028-SW065-031219

Tot Ion	Ratio	Lower	Upper
240	100		
120	4.6	5.0	7.4#
236	27.4	22.7	34.1

Manual Integrations
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#28

Pyrene

Concen: 0.764 ng

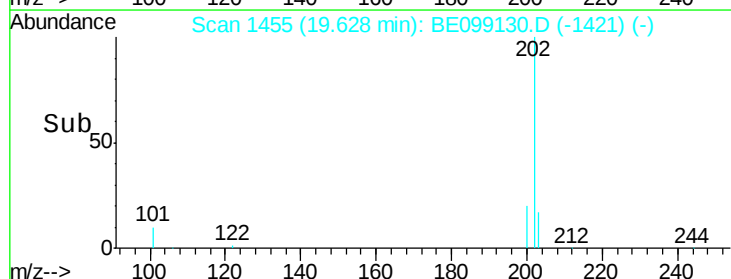
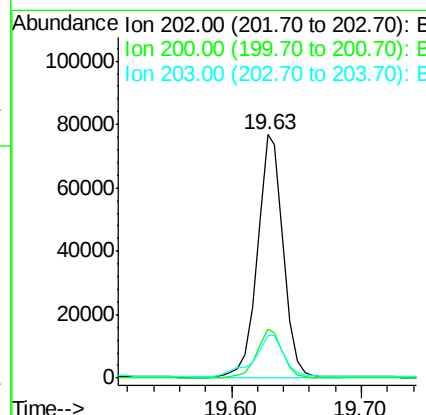
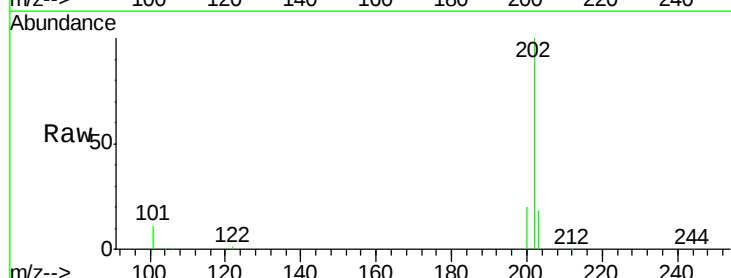
RT: 19.63 min Scan# 1455

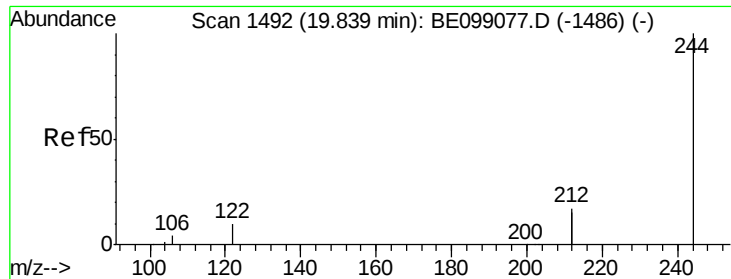
Delta R.T. -0.00 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.0	25.6
203	20.9	14.2	21.2





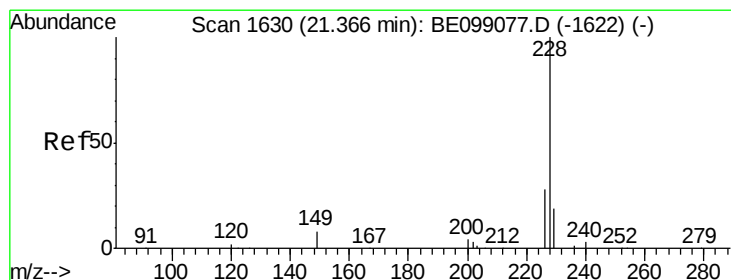
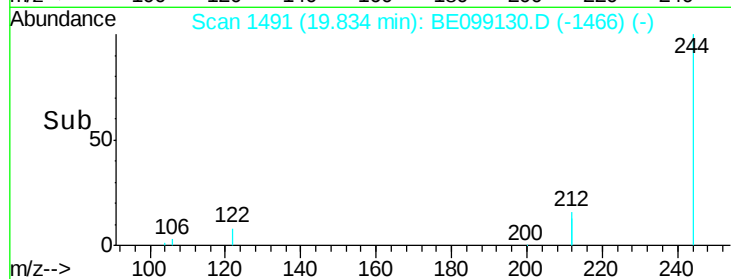
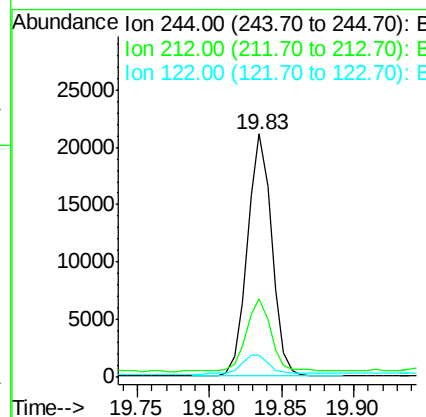
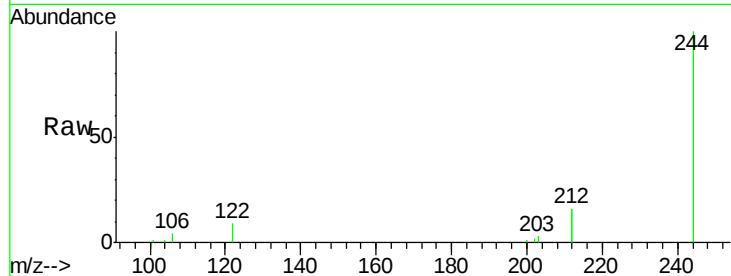
#29
 Terphenyl-d14
 Concen: 0.289 ng
 RT: 19.83 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: BE099130.D
 Acq: 24 Mar 2019 3:06

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW065-031219

Tot Ion	Ratio	Lower	Upper
244	100		
212	32.2	29.4	44.2
122	8.9	7.1	10.7

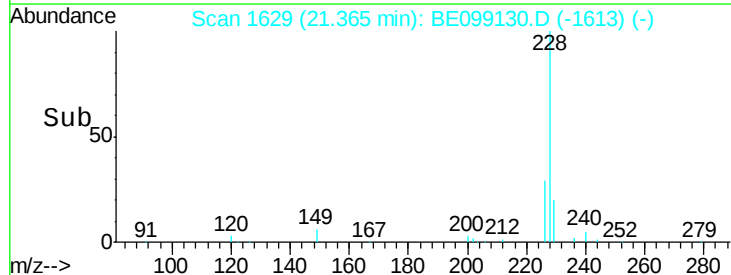
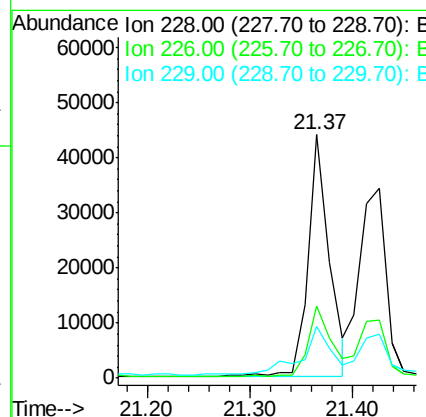
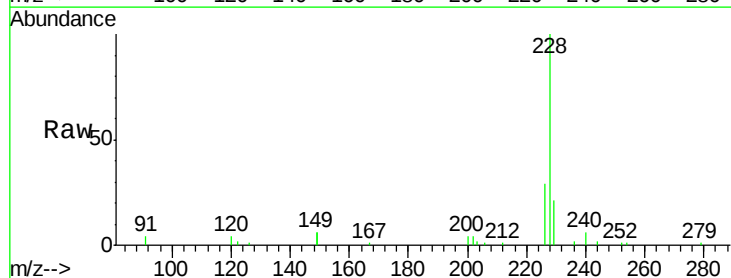
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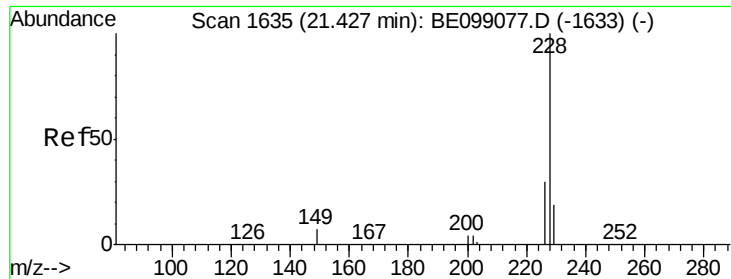
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#30
 Benzo(a)anthracene
 Concen: 0.439 ng
 RT: 21.37 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: BE099130.D
 Acq: 24 Mar 2019 3:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.0	34.4
229	21.4	16.5	24.7





#31

Chrysene

Concen: 0.420 ng

RT: 21.43 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Instrument :

BNA_E

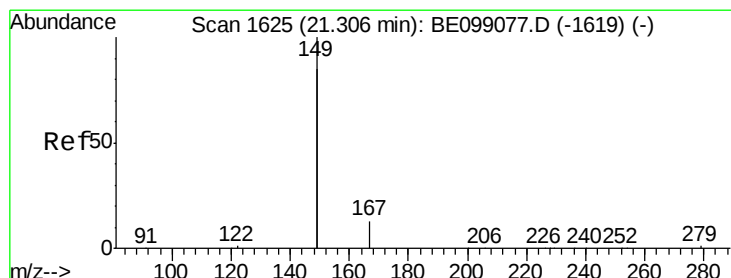
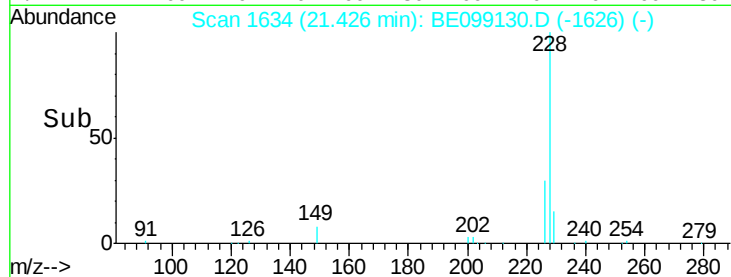
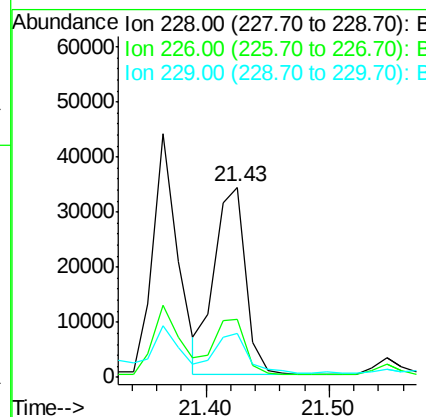
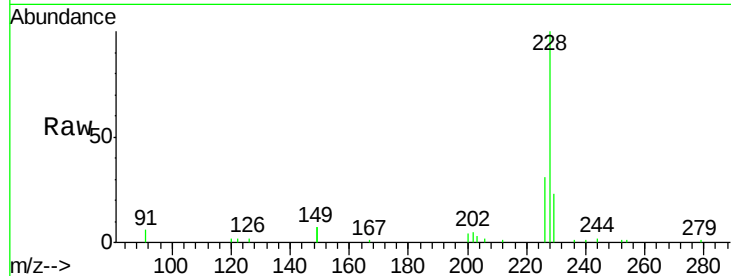
ClientSampleId :

PST-028-SW065-031219

Tot Ion:	228	Resp:	60134
Ion Ratio	Lower	Upper	
228	100		
226	30.6	23.7	35.5
229	23.4	16.1	24.1

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.283 ng

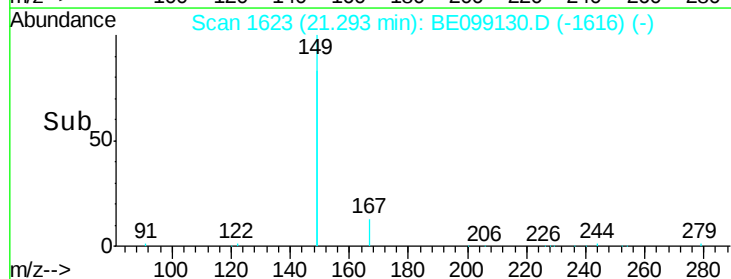
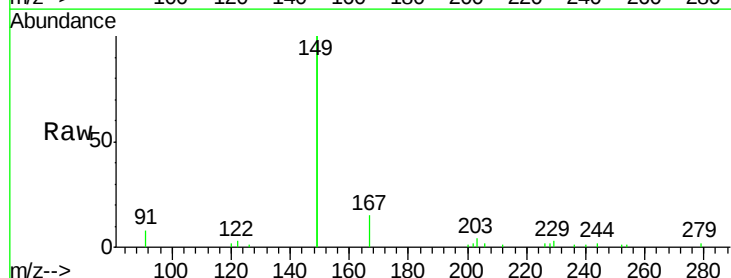
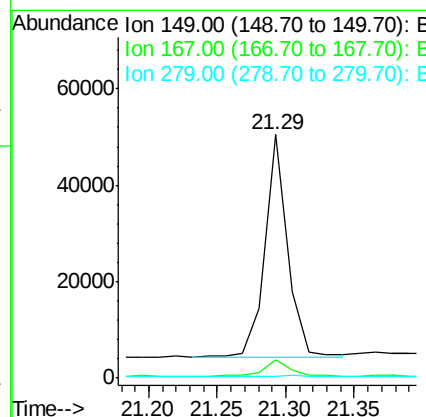
RT: 21.29 min Scan# 1623

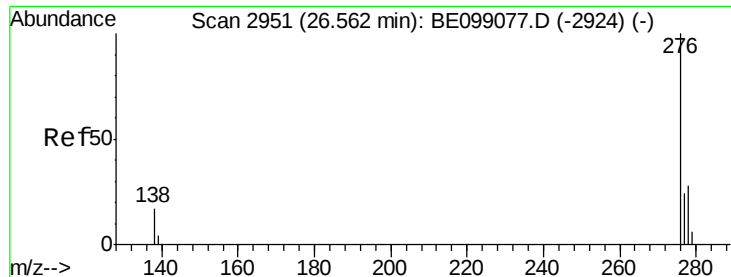
Delta R.T. -0.01 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Tgt Ion:	149	Resp:	52671
Ion Ratio	Lower	Upper	
149	100		
167	7.4	5.4	8.0
279	1.2	1.0	1.4





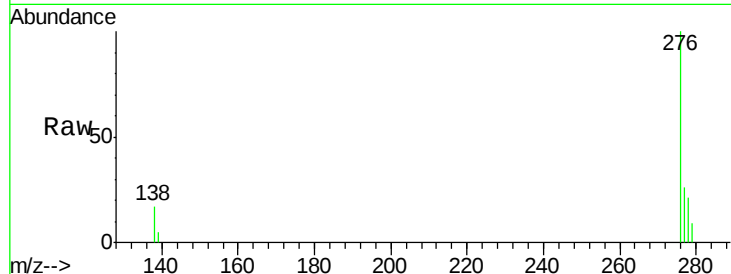
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.226 ng
RT: 26.55 min Scan# 2946
Delta R.T. -0.01 min
Lab File: BE099130.D
Acq: 24 Mar 2019 3:06

Instrument :
BNA_E
ClientSampleId :
PST-028-SW065-031219

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.3	13.8	20.8
277	23.8	19.5	29.3

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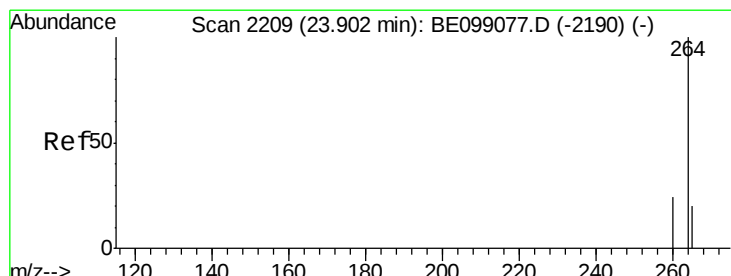
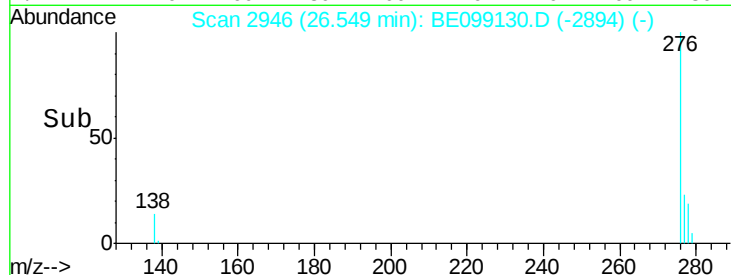
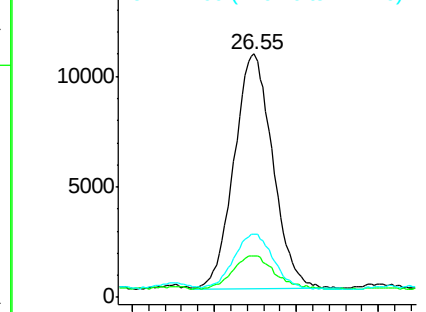


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BE099130.D
Acq: 24 Mar 2019 3:06

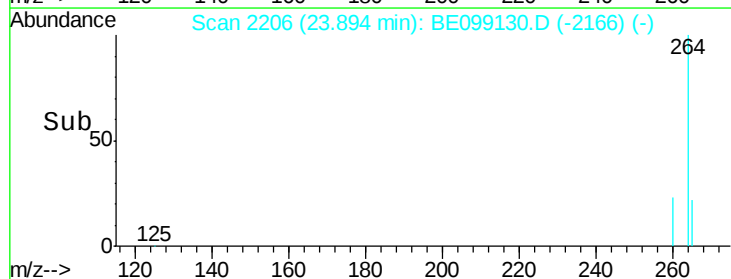
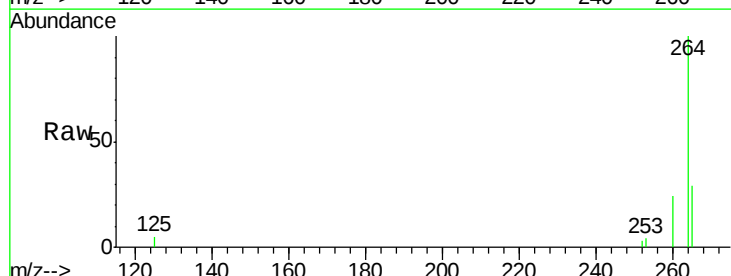
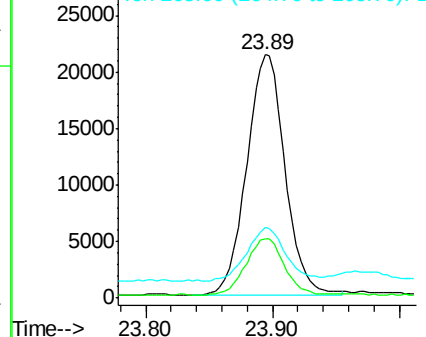
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	21.2	31.8
265	28.9	24.6	36.8

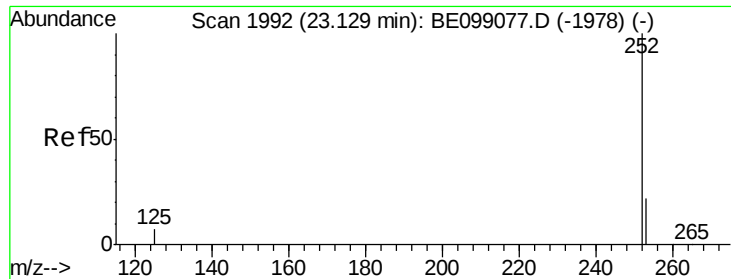
Abundance

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





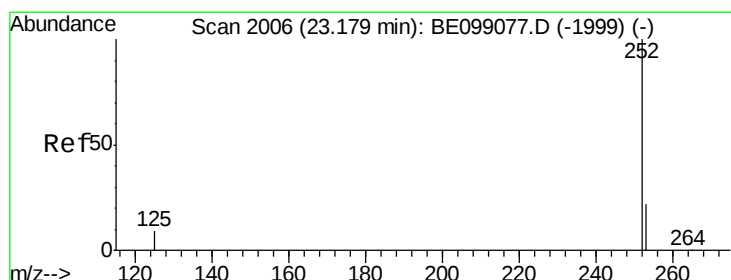
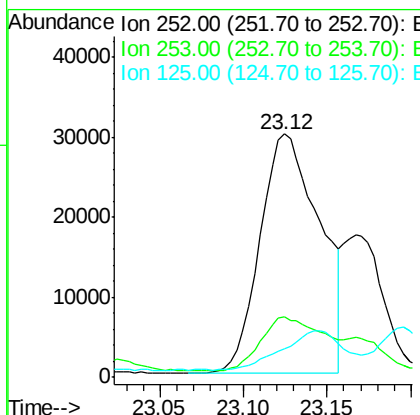
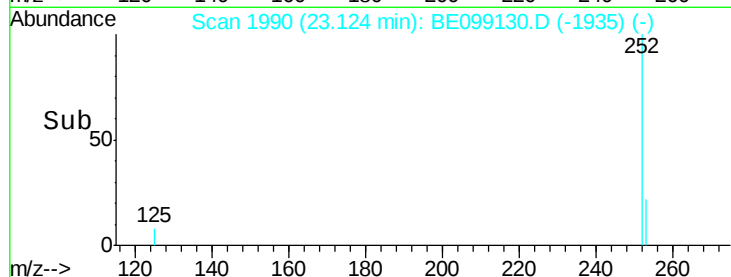
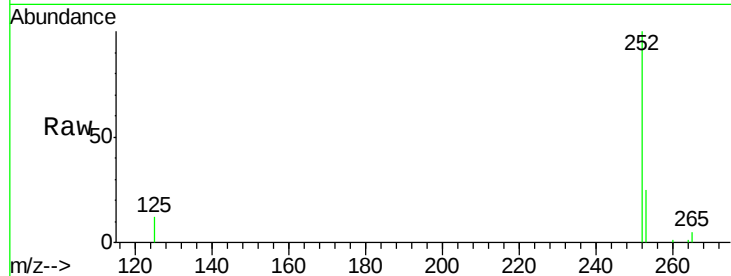
#35
Benzo(b)fluoranthene
Concen: 0.482 ng
RT: 23.12 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BE099130.D
Acq: 24 Mar 2019 3:06

Instrument :
BNA_E
ClientSampleId :
PST-028-SW065-031219

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	11.9	7.3	10.9

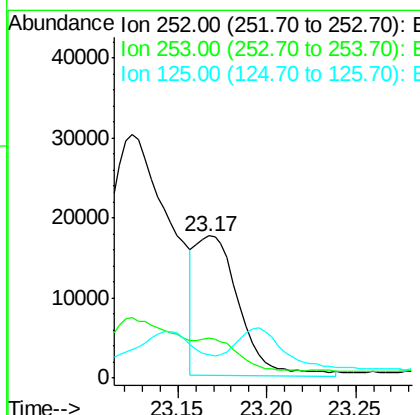
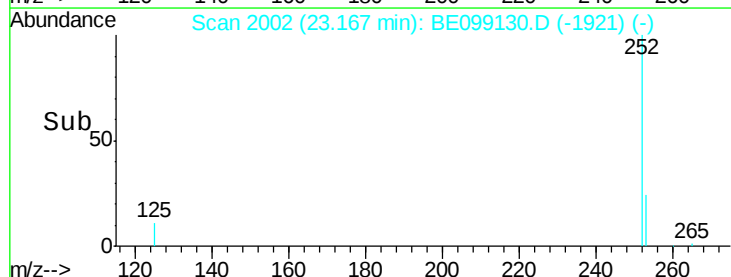
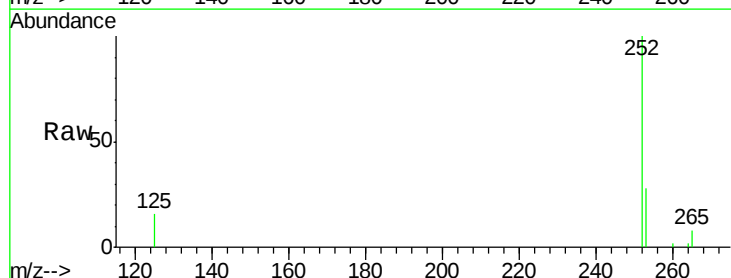
Manual Integrations
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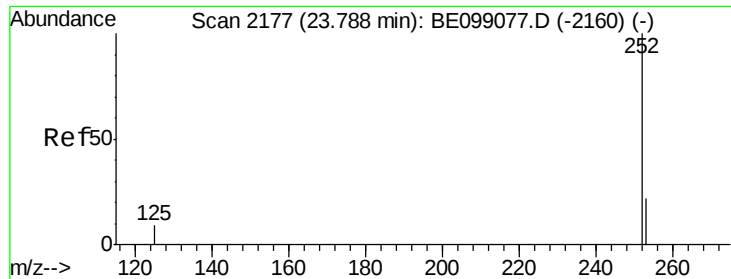
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.201 ng m
RT: 23.17 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BE099130.D
Acq: 24 Mar 2019 3:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.9	19.3	28.9
125	16.2	7.5	11.3





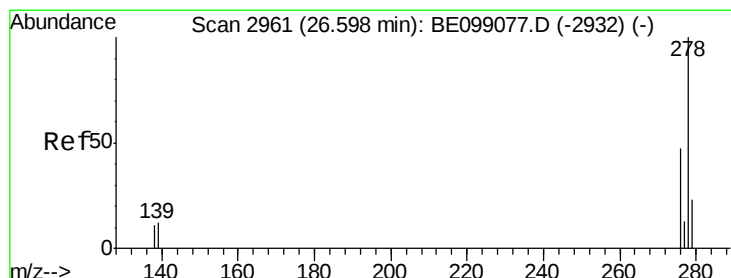
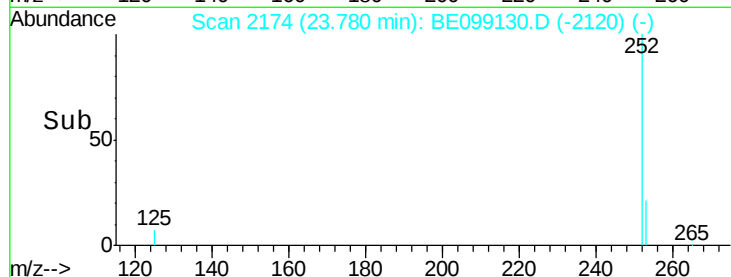
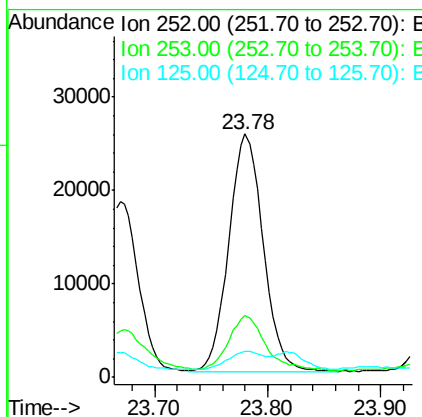
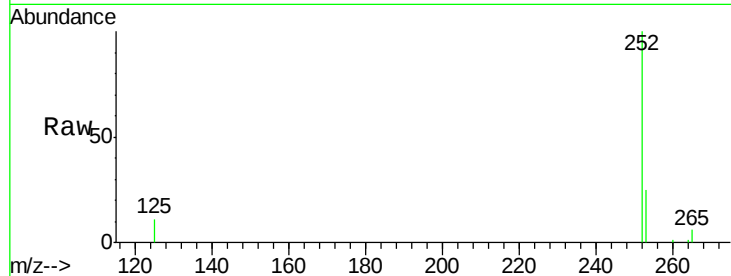
#37
Benzo(a)pyrene
Concen: 0.375 ng
RT: 23.78 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BE099130.D
Acq: 24 Mar 2019 3:06

Instrument :
BNA_E
ClientSampleId :
PST-028-SW065-031219

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.9	29.9
125	10.7	9.0	13.4

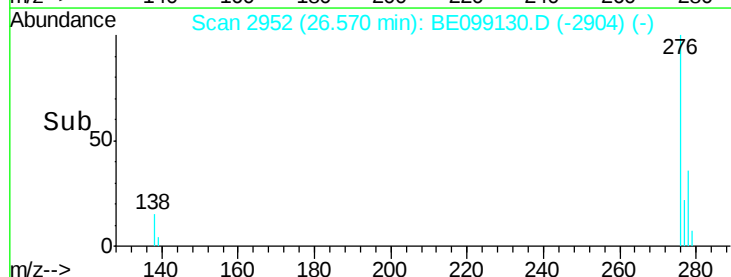
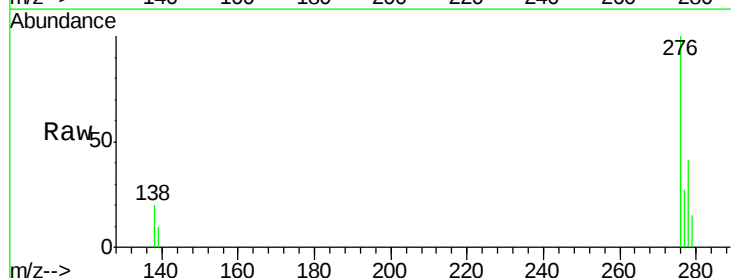
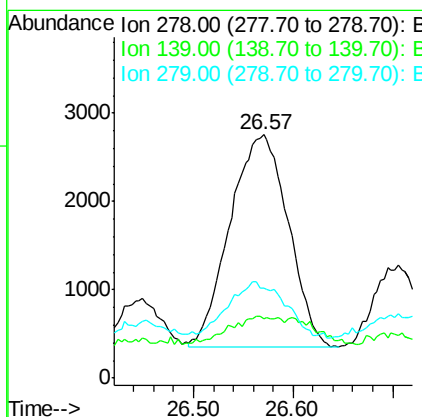
Manual Integrations
APPROVED

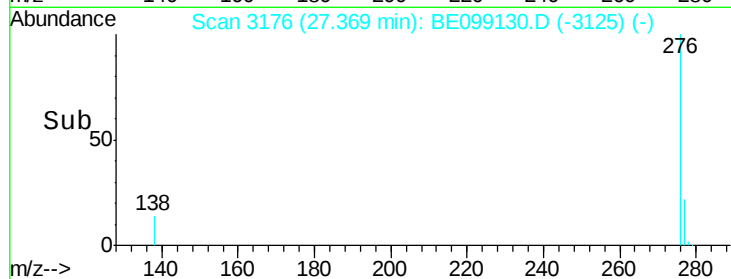
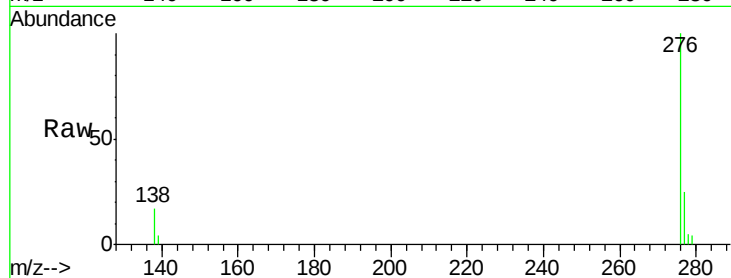
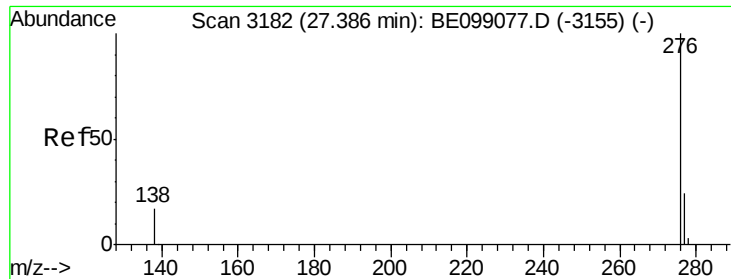
Sohil
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#38
Dibenzo(a,h)anthracene
Concen: 0.070 ng
RT: 26.57 min Scan# 2952
Delta R.T. -0.03 min
Lab File: BE099130.D
Acq: 24 Mar 2019 3:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.4	11.8	17.6#
279	36.7	21.1	31.7#





#39

Benzo(a,h,i)perylene

Concen: 0.249 ng

RT: 27.37 min Scan# 3176

Delta R.T. -0.02 min

Lab File: BE099130.D

Acq: 24 Mar 2019 3:06

Instrument :

BNA_E

ClientSampleId :

PST-028-SW065-031219

Tot Ion:	276	Resp:	35430
Ion Ratio	Lower	Upper	
276	100		
277	25.1	20.4	30.6
138	17.4	13.6	20.4

Manual Integrations
APPROVED

Sohil
3/25/2019 12:37:31 PM

