

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099436.D
 Acq On : 30 Apr 2019 21:37
 Operator : JU/SJ
 Sample : K2568-19
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW097-042319

Manual Integrations
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 5/1/2019 12:02:40 PM

Quant Time: May 01 01:47:24 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 29 18:36:43 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	2988	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	10591	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	8261	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	23973	0.40	ng	0.00
27) Chrysene-d12	21.37	240	36130	0.40	ng	0.00
34) Perylene-d12	23.86	264	41273	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	3141	0.38	ng	0.00
5) Phenol-d6	6.96	99	4614	0.42	ng	-0.01
8) Nitrobenzene-d5	8.96	82	3801	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	6375	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	2104	0.40	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	9666	0.31	ng	-0.01
25) Fluoranthene-d10	19.22	212	100027	0.31	ng	0.00
29) Terphenyl-d14	19.81	244	20575	0.31	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	3964	0.034	ng	# 94
12) 2-Methylnaphthalene	12.27	142	590	0.029	ng	# 90
16) Acenaphthylene	14.17	152	1190	0.029	ng	# 90
18) Fluorene	15.49	166	923	0.027	ng	# 81
22) Pentachlorophenol	16.84	266	115	0.230	ng	# 84
23) Phenanthrene	17.23	178	26295	0.425	ng	98
24) Anthracene	17.32	178	6222	0.106	ng	# 95
26) Fluoranthene	19.25	202	57617	0.622	ng	99
28) Pyrene	19.61	202	55727	0.592	ng	# 95
30) Benzo(a)anthracene	21.34	228	49645	0.431	ng	98
31) Chrysene	21.40	228	45428	0.403	ng	96
32) Bis(2-ethylhexyl)phthalate	21.26	149	18914	0.045	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.50	276	21761	0.163	ng	98
35) Benzo(b)fluoranthene	23.09	252	50535	0.425	ng	# 84
36) Benzo(k)fluoranthene	23.14	252	19348m	0.169	ng	
37) Benzo(a)pyrene	23.74	252	36758m	0.327	ng	
38) Dibenzo(a,h)anthracene	26.51	278	6795	0.059	ng	# 72
39) Benzo(g,h,i)perylene	27.31	276	20486	0.178	ng	98

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

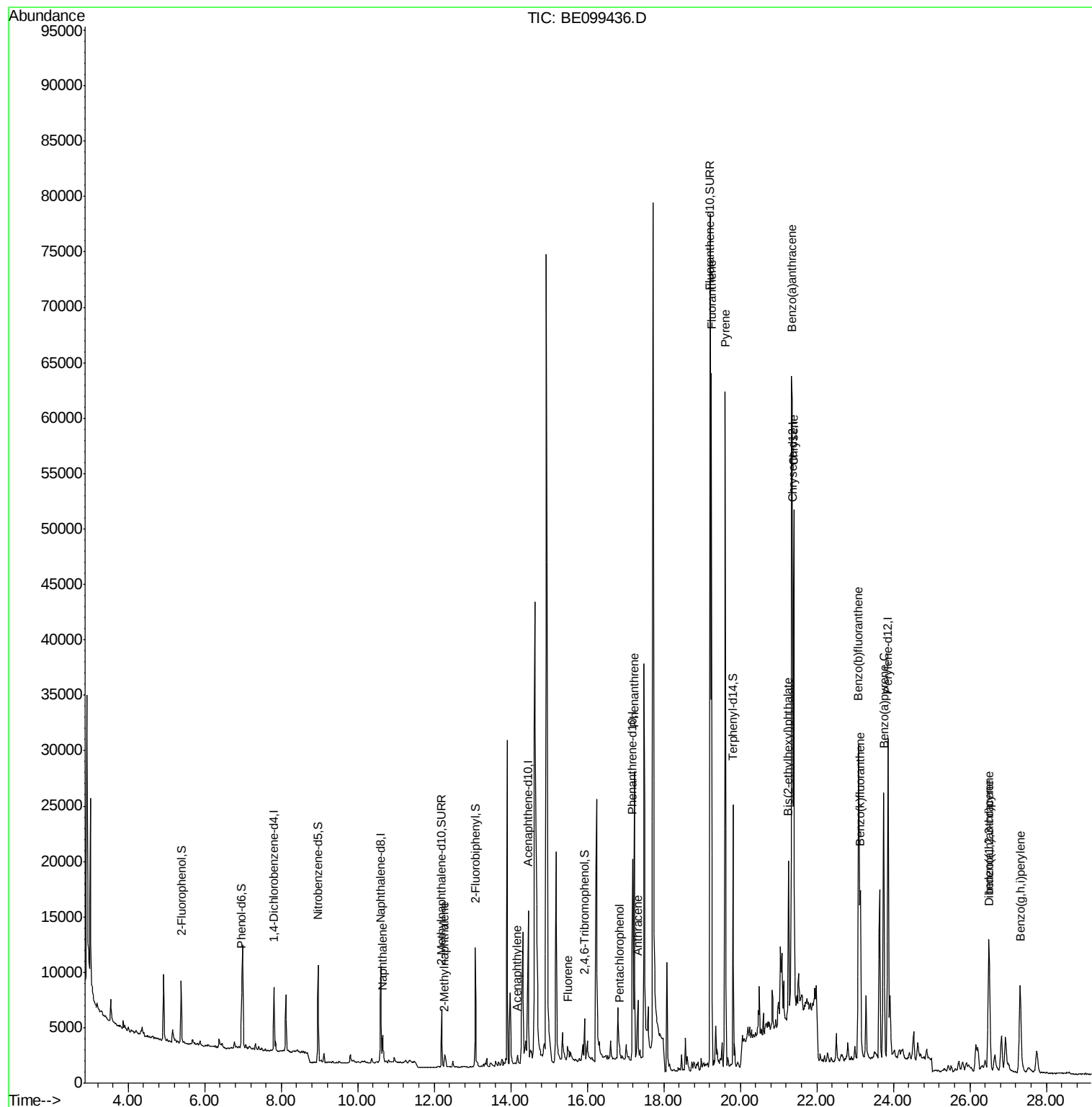
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
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#1

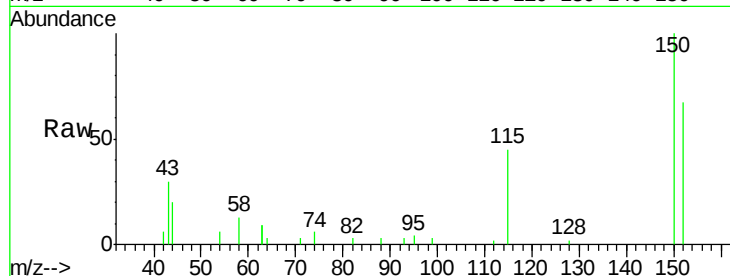
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099436.D
Acq: 30 Apr 2019 21:37

Instrument :
BNA_E
ClientSampleId :
PST-023-SW097-042319

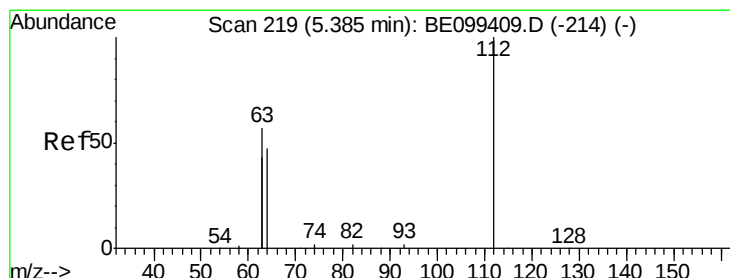
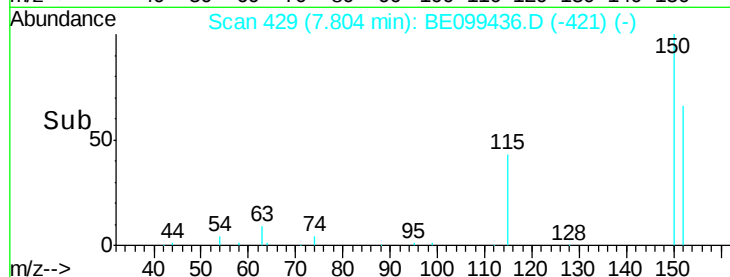
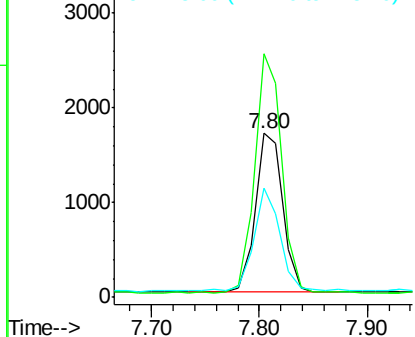
Tgt Ion	Ratio	Lower	Upper
152	100		
150	148.4	104.8	157.2
115	66.5	46.6	69.8

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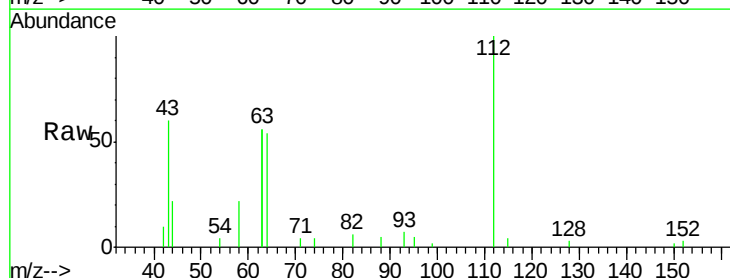
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



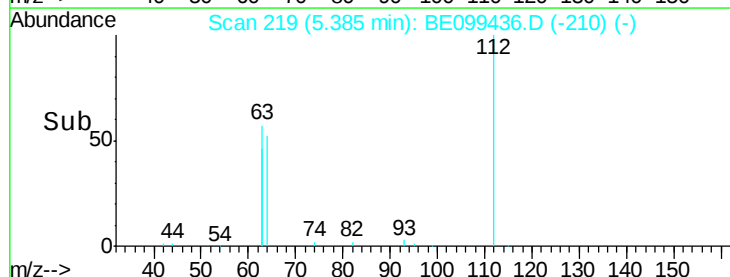
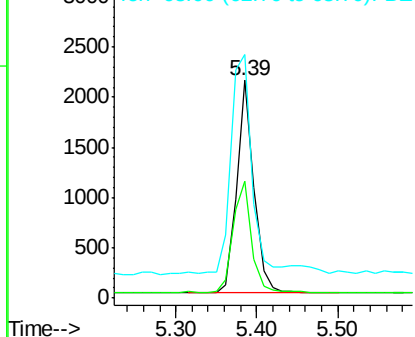
#4

2-Fluorophenol
Concen: 0.380 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099436.D
Acq: 30 Apr 2019 21:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.4	71.0
63	122.6	104.3	156.5



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: 0.420 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099436.D

Acq: 30 Apr 2019 21:37

Instrument :

BNA_E

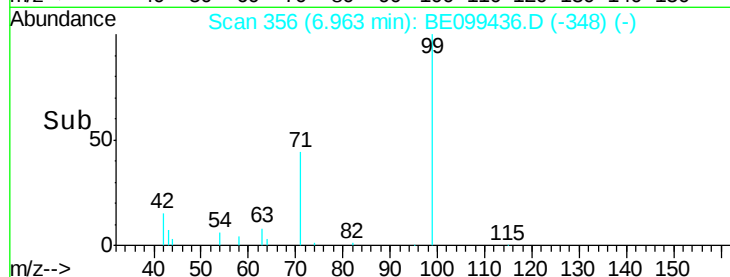
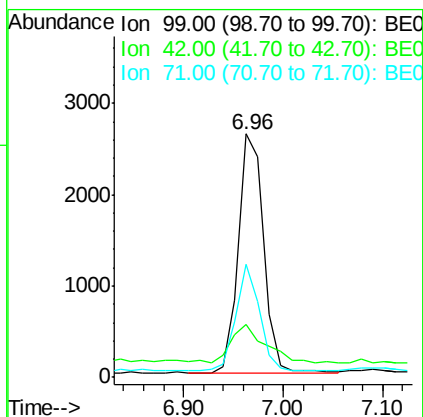
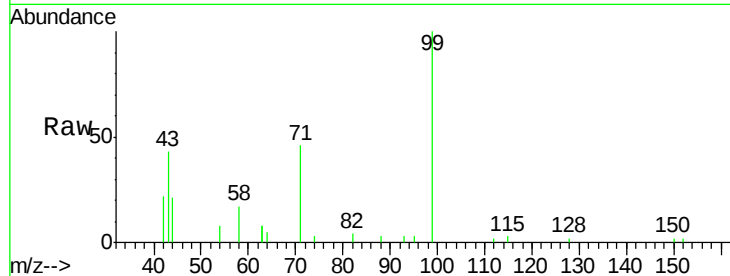
ClientSampleId :

PST-023-SW097-042319

Tgt Ion:	99	Resp:	4614
Ion	Ratio	Lower	Upper
99	100		
42	22.3	14.9	22.3
71	41.4	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

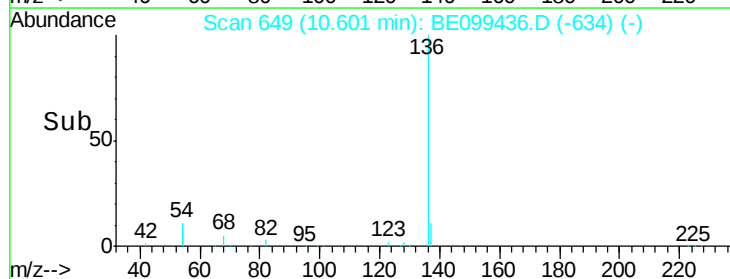
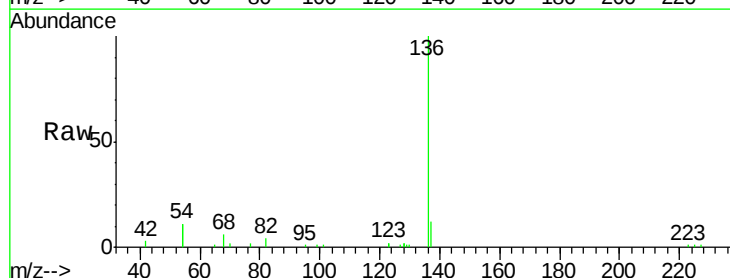
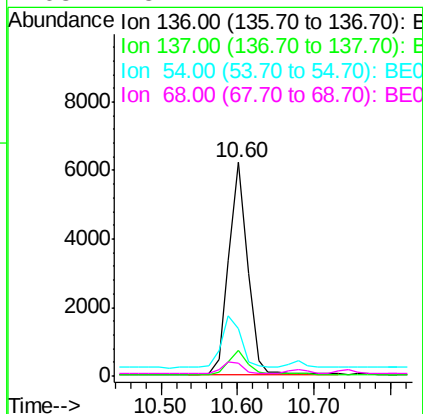
RT: 10.60 min Scan# 649

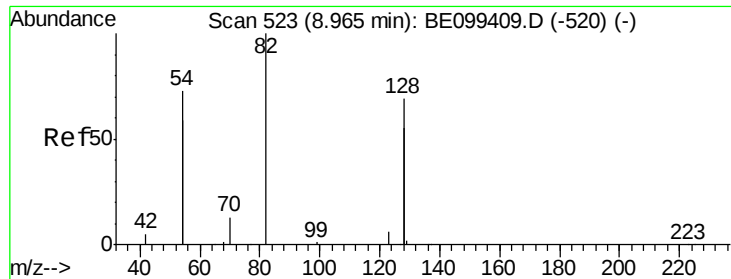
Delta R.T. -0.00 min

Lab File: BE099436.D

Acq: 30 Apr 2019 21:37

Tgt Ion:	136	Resp:	10591
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.8	14.8
54	22.0	18.5	27.7
68	5.7	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.383 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099436.D

Acq: 30 Apr 2019 21:37

Instrument :

BNA_E

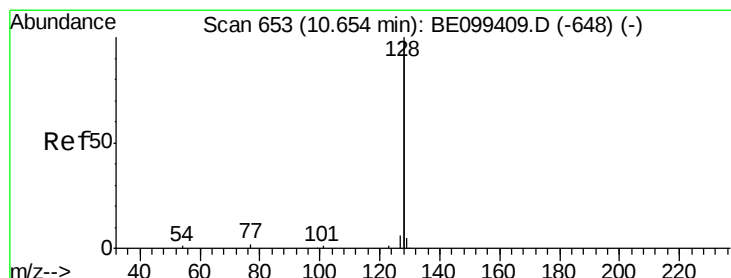
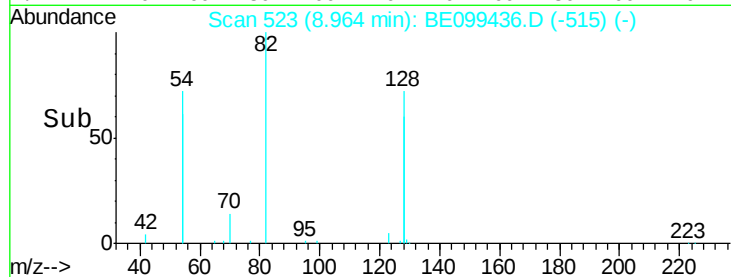
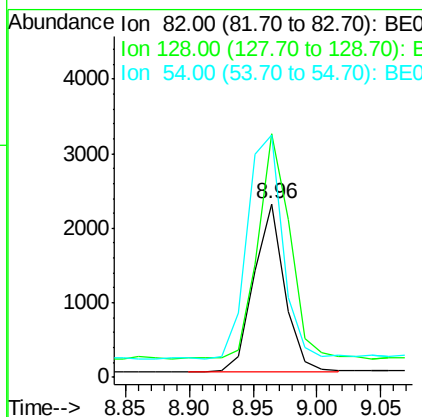
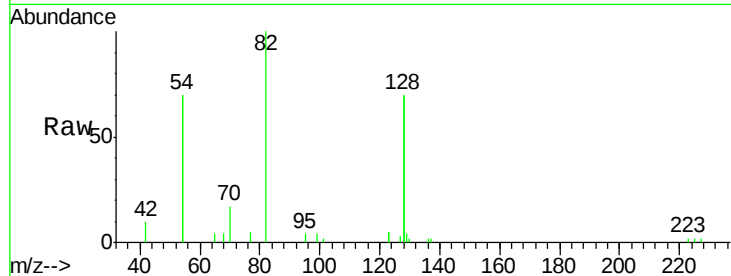
ClientSampleId :

PST-023-SW097-042319

Tgt Ion:	82	Resp:	3801
Ion Ratio	Lower	Upper	
82	100		
128	140.2	107.0	160.4
54	139.8	113.1	169.7

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#9

Naphthalene

Concen: 0.034 ng

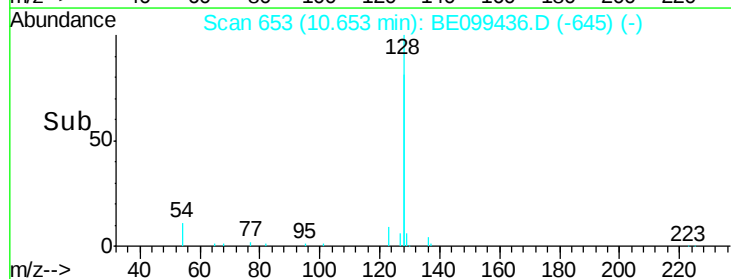
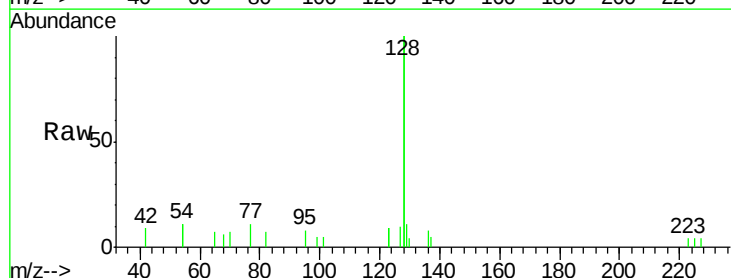
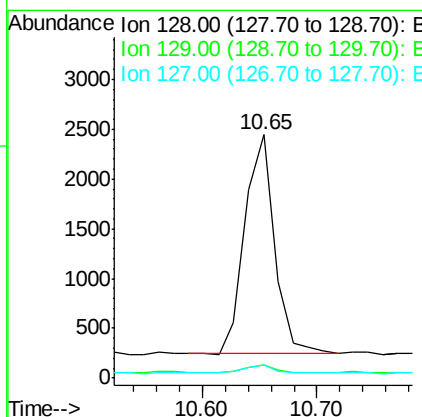
RT: 10.65 min Scan# 653

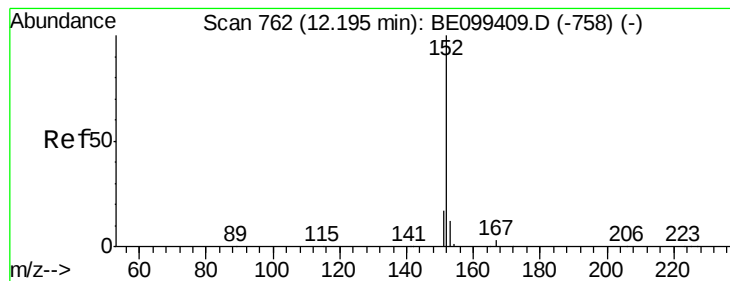
Delta R.T. -0.00 min

Lab File: BE099436.D

Acq: 30 Apr 2019 21:37

Tgt Ion:	128	Resp:	3964
Ion Ratio	Lower	Upper	
128	100		
129	5.3	2.4	3.6#
127	5.2	2.8	4.2#





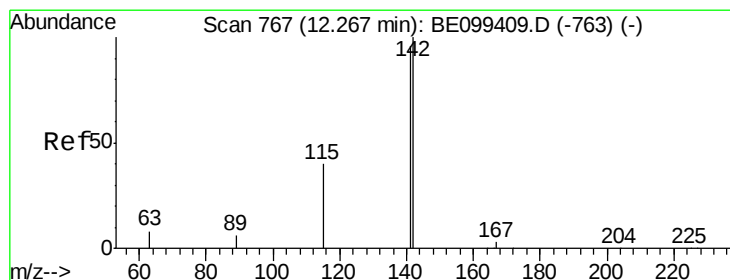
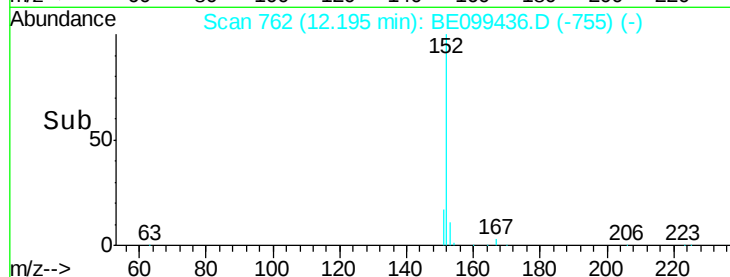
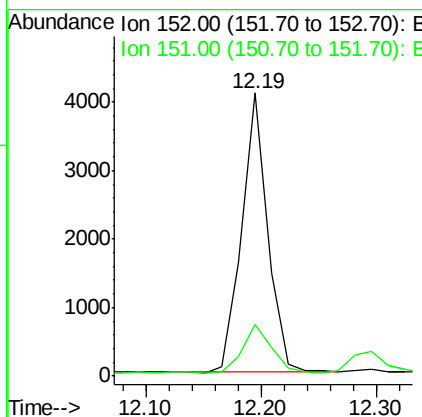
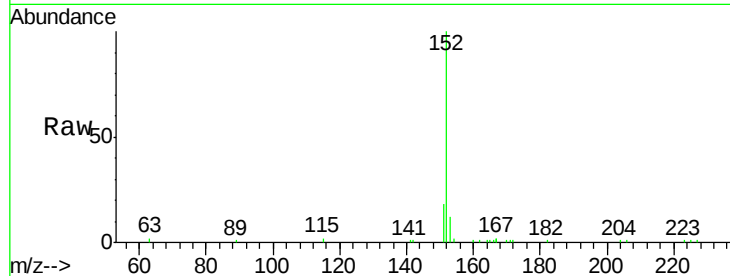
#11
 2-Methylnaphthalene-d10
 Concen: 0.334 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099436.D
 Acq: 30 Apr 2019 21:37

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW097-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.5	23.3

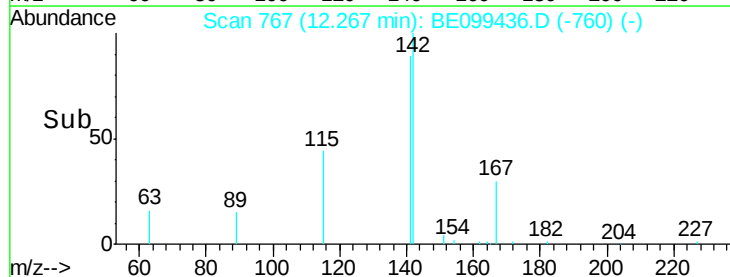
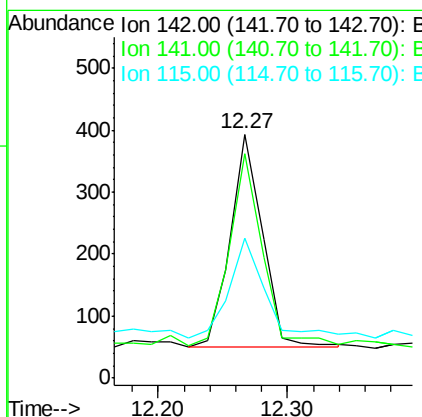
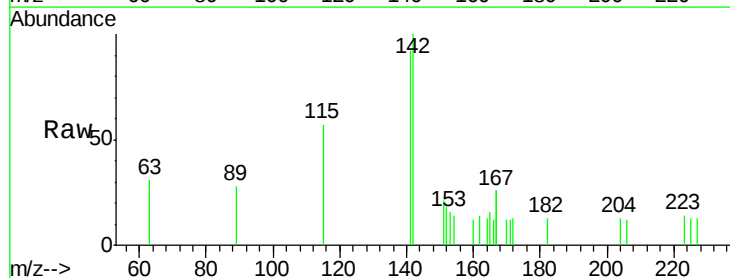
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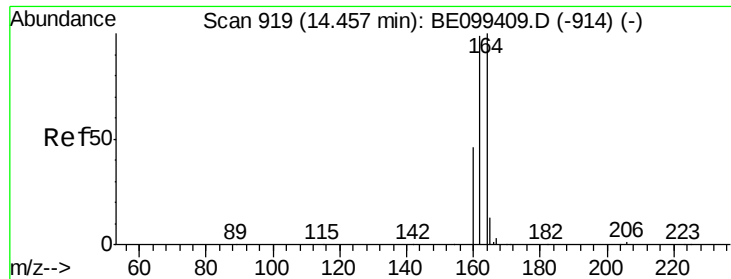
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#12
 2-Methylnaphthalene
 Concen: 0.029 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099436.D
 Acq: 30 Apr 2019 21:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	77.0	115.4
115	57.3	33.4	50.0#





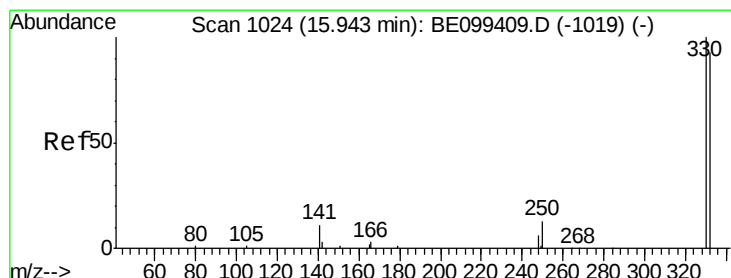
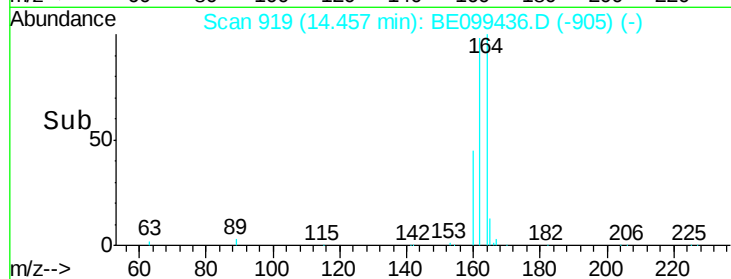
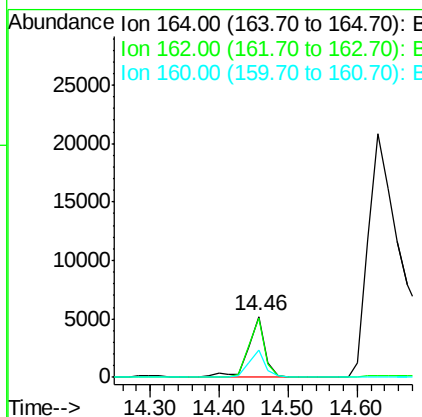
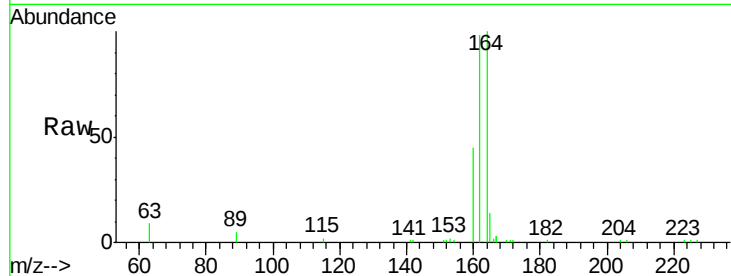
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099436.D
 Acq: 30 Apr 2019 21:37

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW097-042319

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.8	79.0	118.4
160	45.0	37.0	55.4

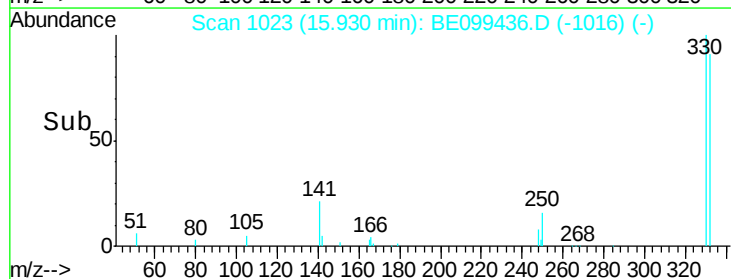
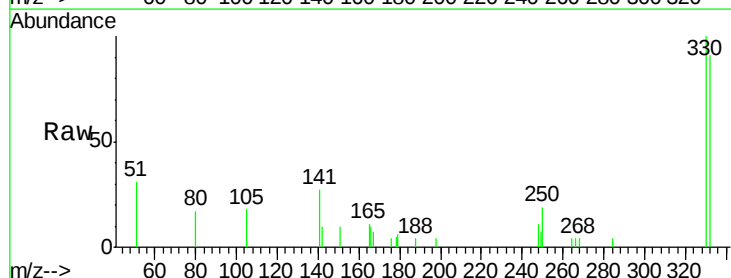
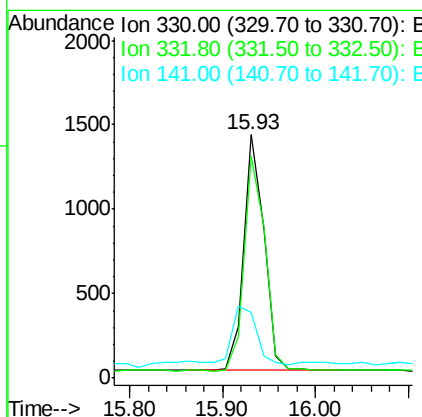
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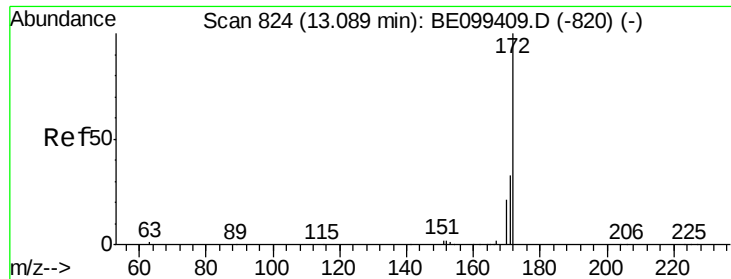
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#14
 2,4,6-Tribromophenol
 Concen: 0.404 ng
 RT: 15.93 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: BE099436.D
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.3	71.5	107.3
141	29.6	24.0	36.0





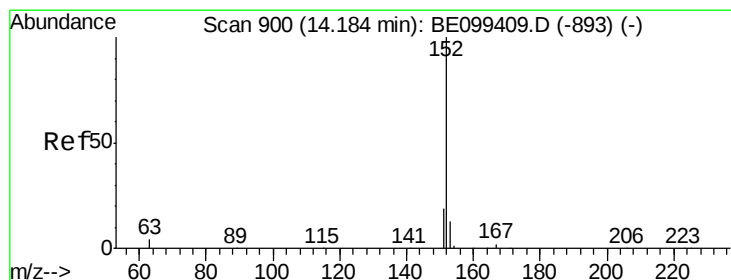
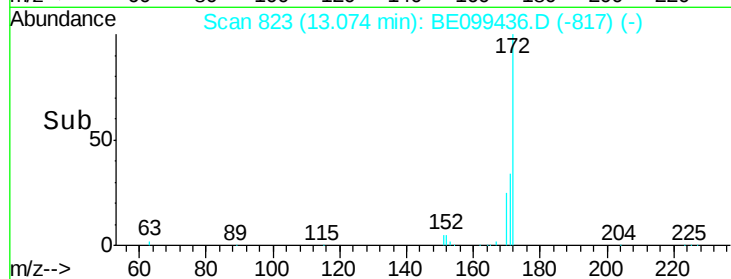
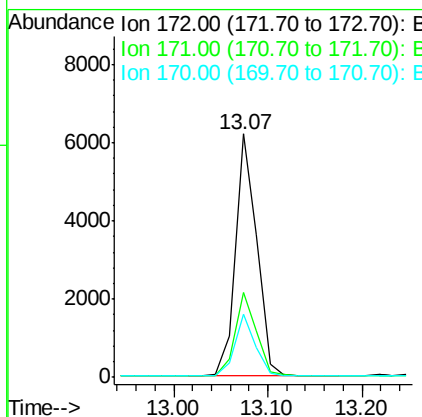
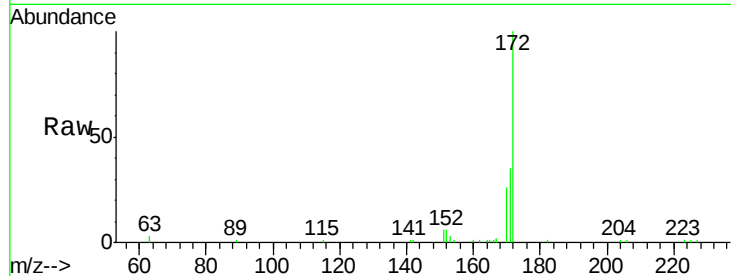
#15
2-Fluorobiphenyl
Concen: 0.307 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099436.D
Acq: 30 Apr 2019 21:37

Instrument :
BNA_E
ClientSampleId :
PST-023-SW097-042319

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	26.6	39.8
170	25.8	17.0	25.6

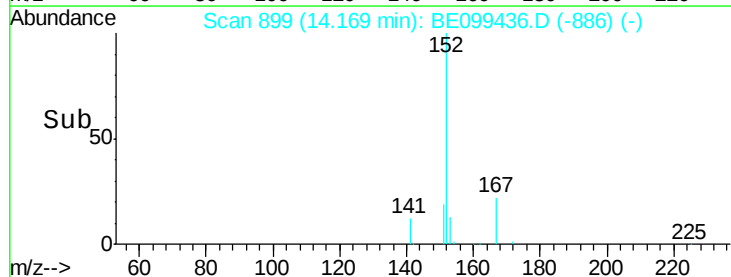
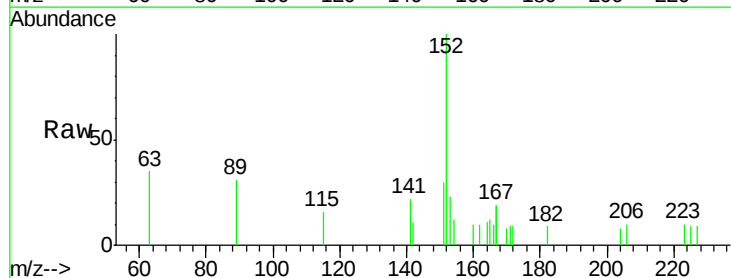
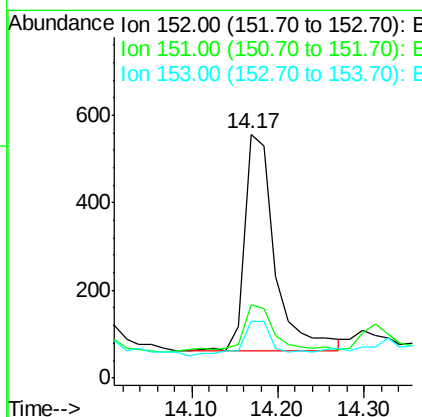
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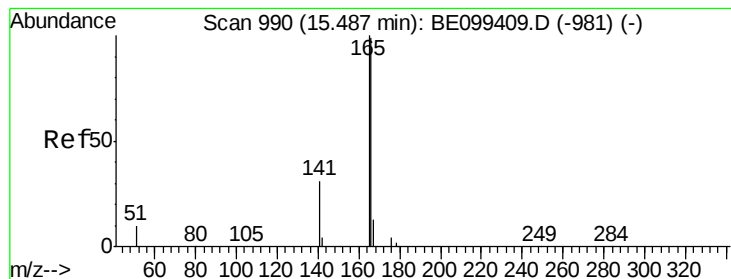
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#16
Acenaphthylene
Concen: 0.029 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.01 min
Lab File: BE099436.D
Acq: 30 Apr 2019 21:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.3	15.4	23.2
153	16.5	9.8	14.6





#18

Fluorene

Concen: 0.027 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099436.D

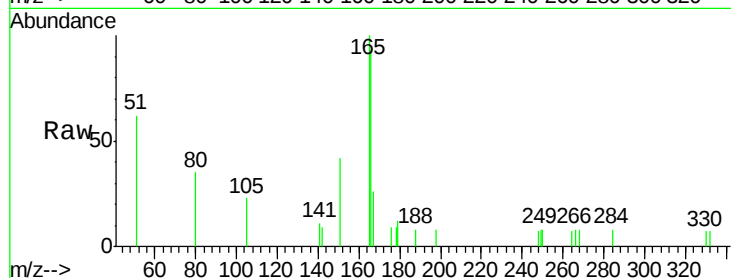
Acq: 30 Apr 2019 21:37

Instrument :

BNA_E

ClientSampleId :

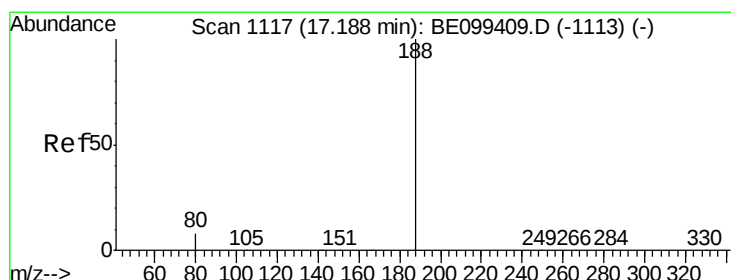
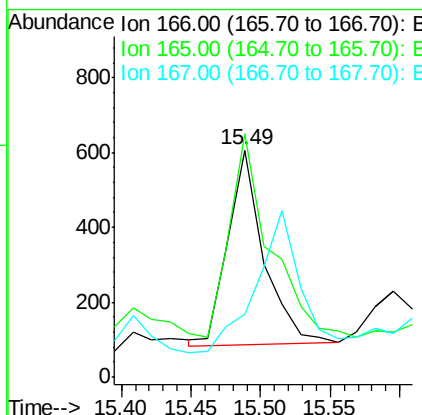
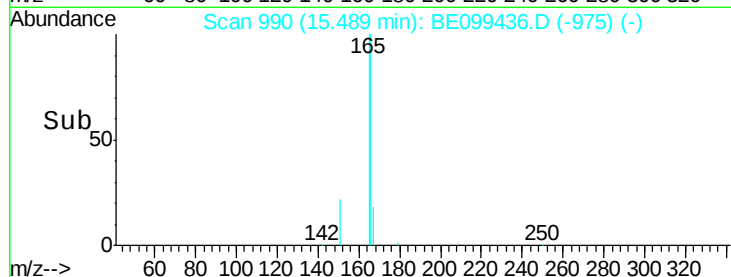
PST-023-SW097-042319



Tgt Ion	Ratio	Lower	Upper
166	100		
165	117.0	80.3	120.5
167	0.0	10.7	16.1#

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#19

Phenanthrene-d10

Concen: 0.400 ng

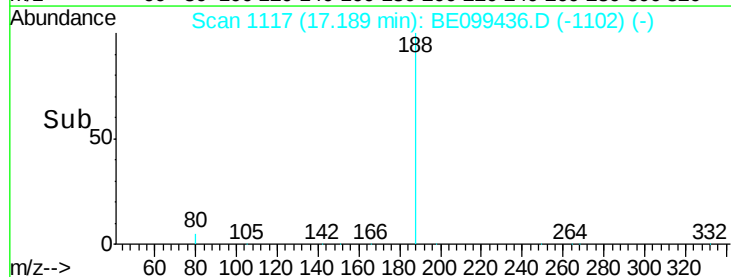
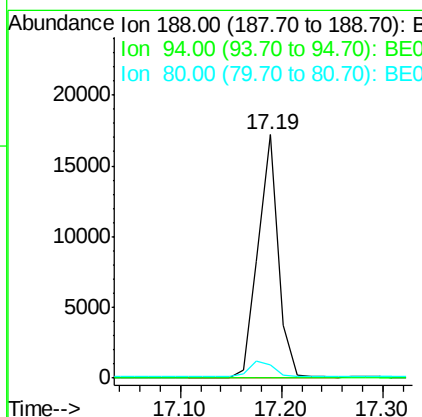
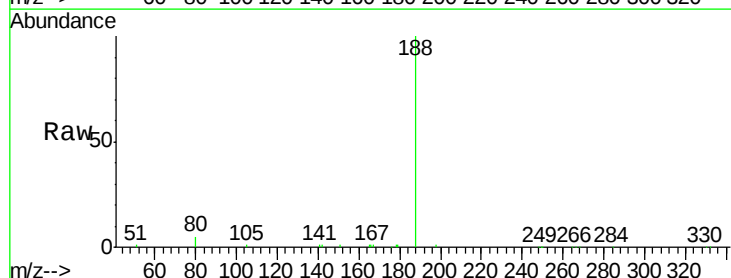
RT: 17.19 min Scan# 1117

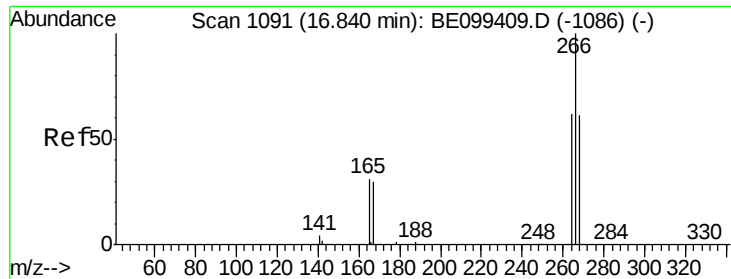
Delta R.T. 0.00 min

Lab File: BE099436.D

Acq: 30 Apr 2019 21:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.5	6.7	10.1#





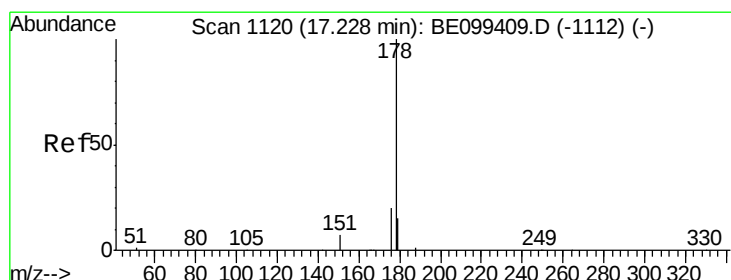
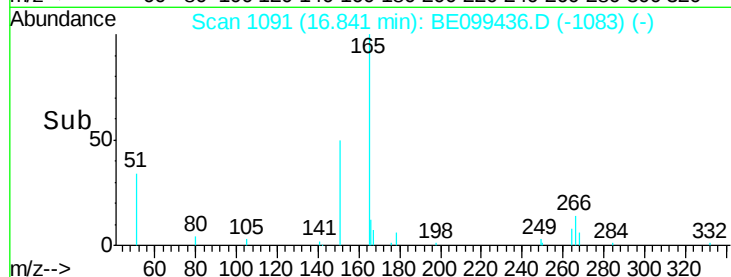
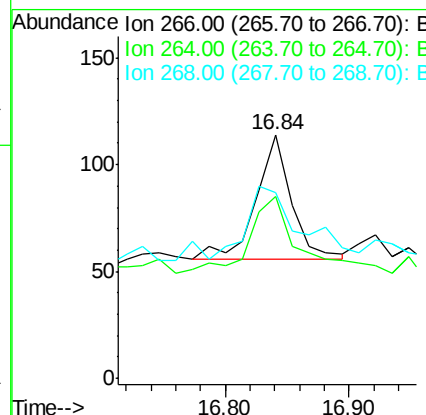
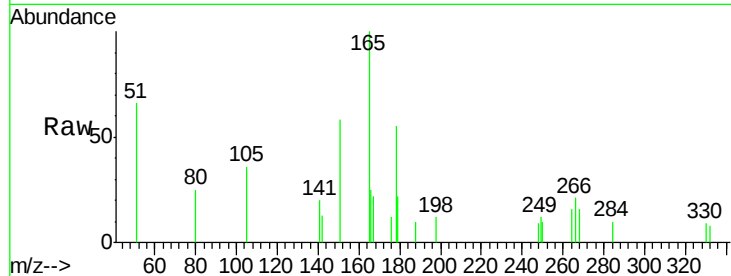
#22
Pentachlorophenol
Concen: 0.230 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099436.D
Acq: 30 Apr 2019 21:37

Instrument :
BNA_E
ClientSampleId :
PST-023-SW097-042319

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	115		
264	74.6	50.8	76.2	
268	76.3	50.5	75.7	

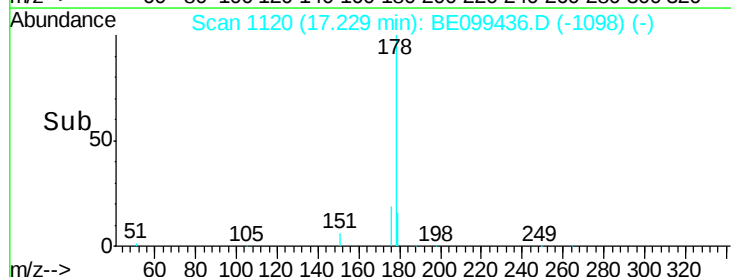
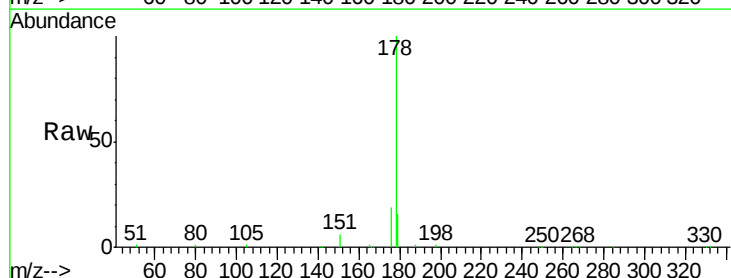
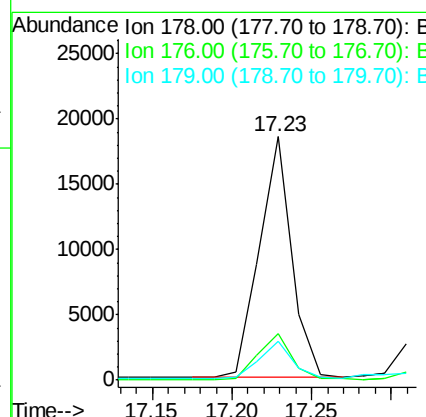
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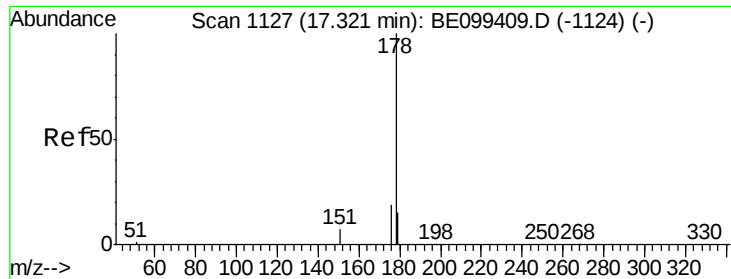
Sohil
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#23
Phenanthrene
Concen: 0.425 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099436.D
Acq: 30 Apr 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	26295		
176	19.4	15.6	23.4	
179	16.4	12.0	18.0	





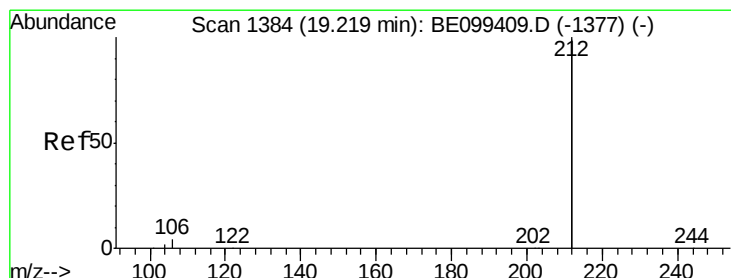
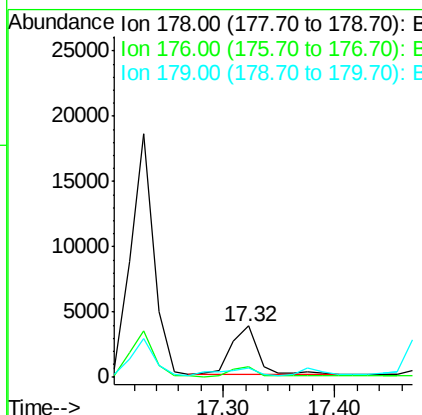
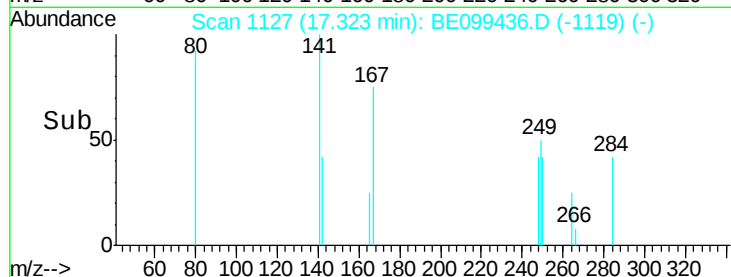
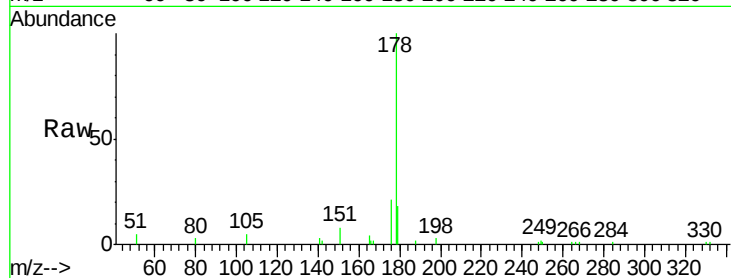
#24
 Anthracene
 Concen: 0.106 ng
 RT: 17.32 min Scan# 1127
 Delta R.T. 0.00 min
 Lab File: BE099436.D
 Acq: 30 Apr 2019 21:37

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW097-042319

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	19.1	11.9	17.9

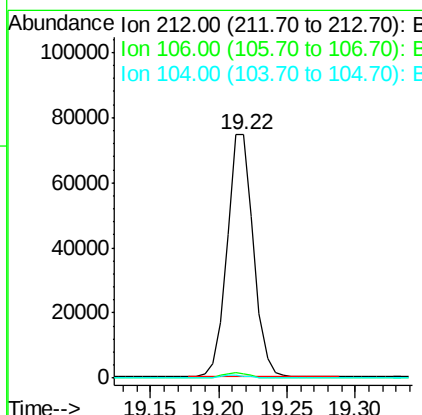
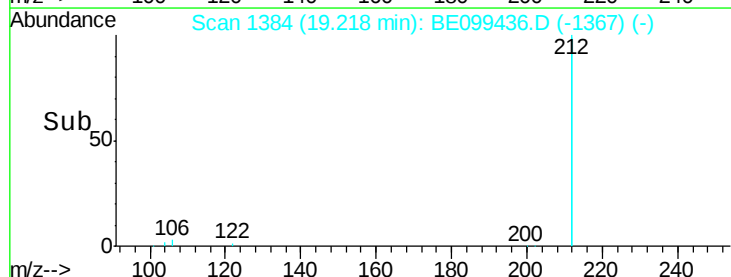
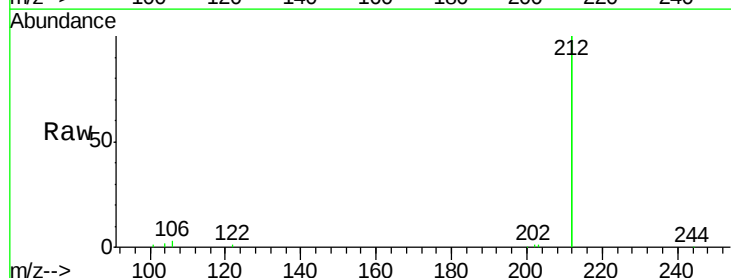
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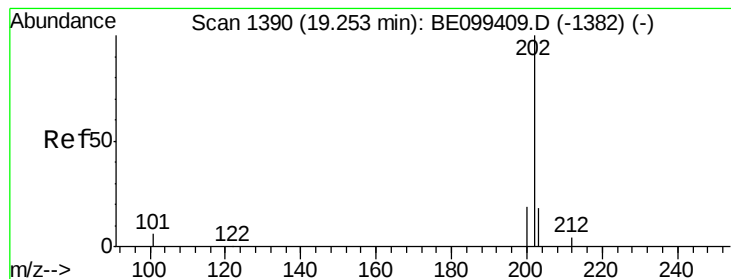
Sohil
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#25
 Fluoranthene-d10
 Concen: 0.310 ng
 RT: 19.22 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: BE099436.D
 Acq: 30 Apr 2019 21:37

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.1	1.5	2.3
104	1.1	0.9	1.3





#26

Fluoranthene

Concen: 0.622 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099436.D

Acq: 30 Apr 2019 21:37

Instrument :

BNA_E

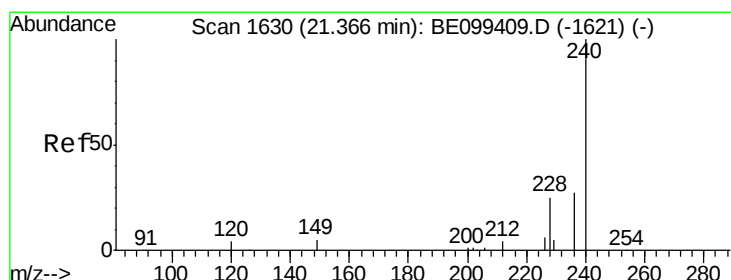
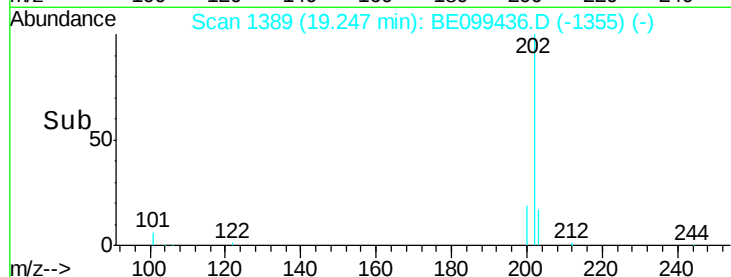
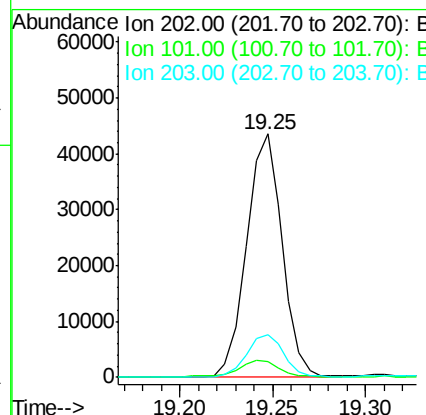
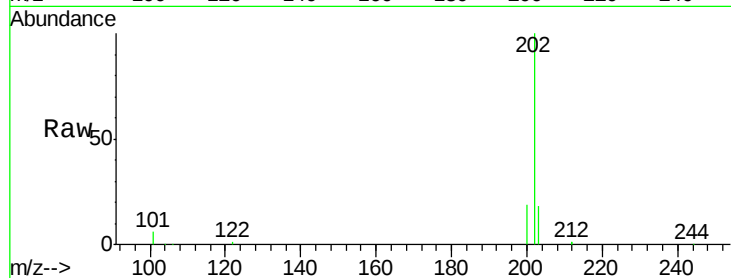
ClientSampleId :

PST-023-SW097-042319

Tgt Ion:	202	Resp:	57617
Ion Ratio	Lower	Upper	
202	100		
101	7.4	5.4	8.0
203	17.7	13.9	20.9

Manual Integrations
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#27

Chrysene-d12

Concen: 0.400 ng

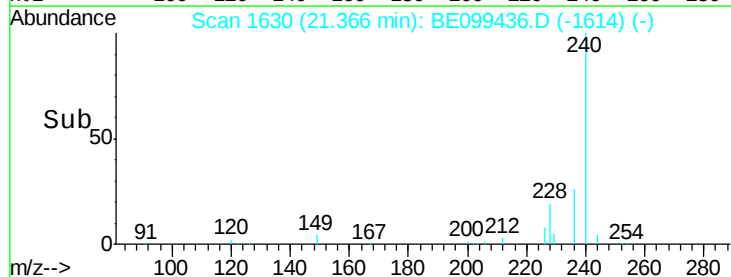
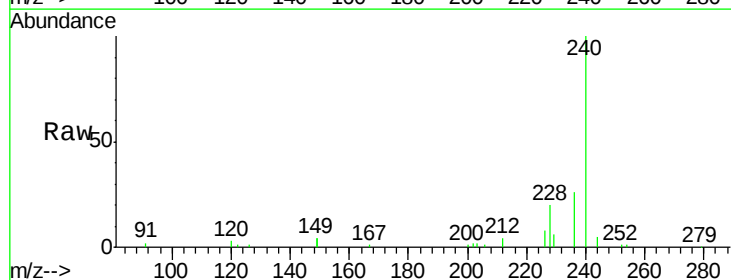
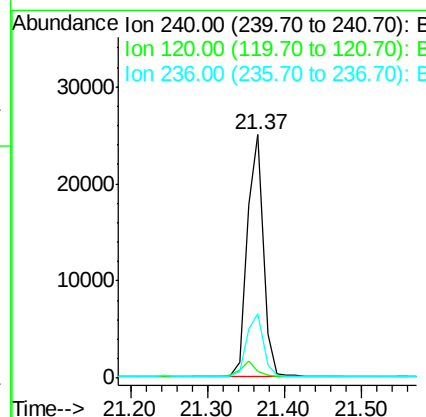
RT: 21.37 min Scan# 1630

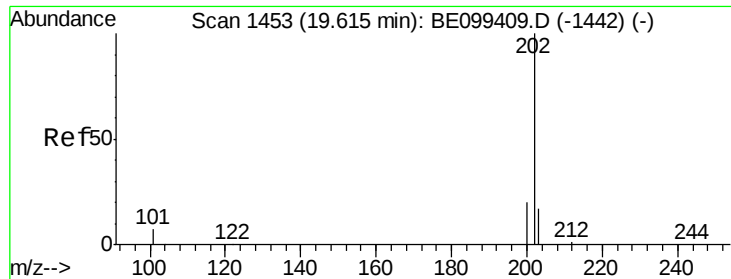
Delta R.T. -0.00 min

Lab File: BE099436.D

Acq: 30 Apr 2019 21:37

Tgt Ion:	240	Resp:	36130
Ion Ratio	Lower	Upper	
240	100		
120	2.8	4.0	6.0#
236	26.5	22.0	33.0





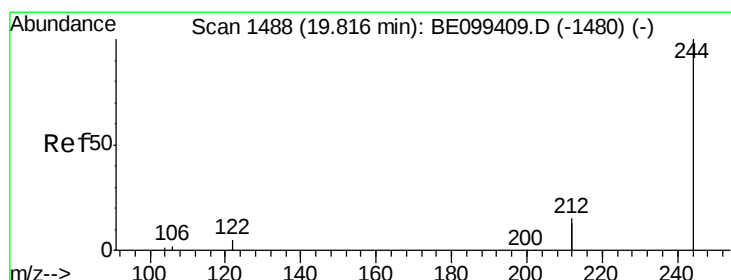
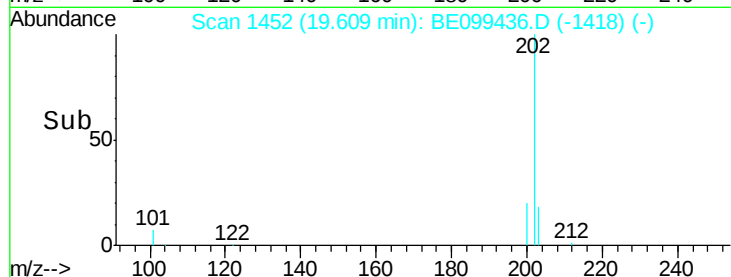
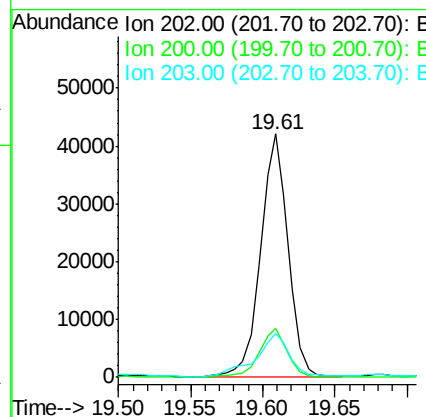
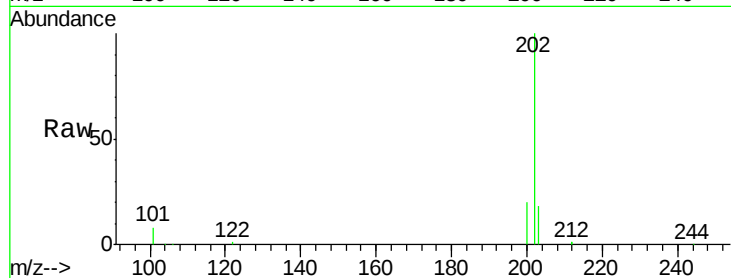
#28
 Pyrene
 Concen: 0.592 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099436.D
 Acq: 30 Apr 2019 21:37

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW097-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.8	15.7	23.5
203	21.7	13.9	20.9

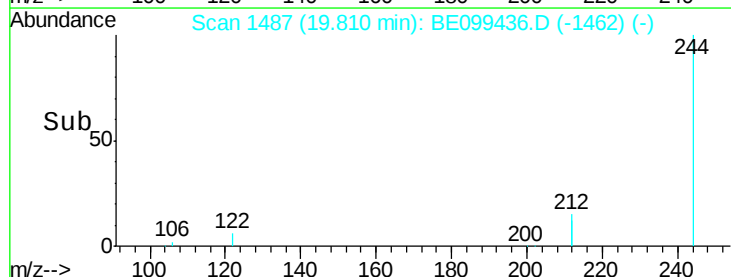
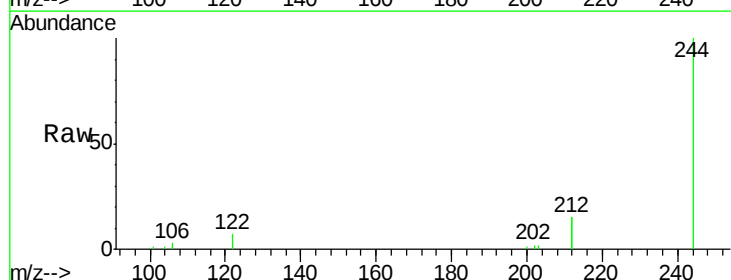
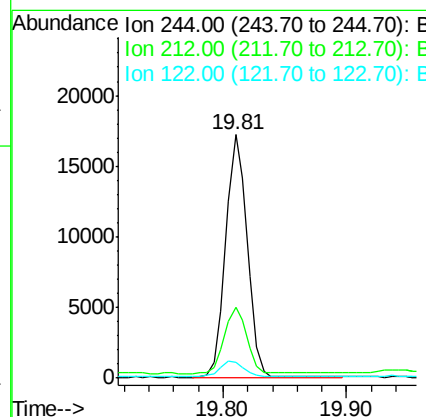
Manual Integrations
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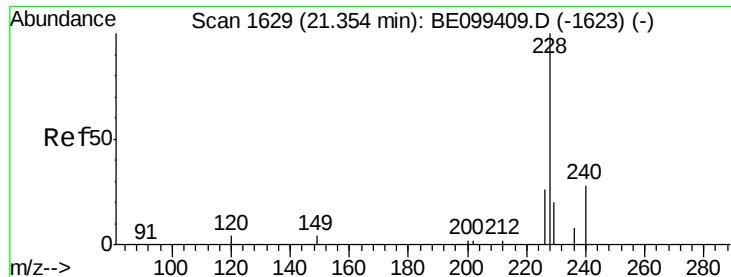
Sohil
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#29
 Terphenyl-d14
 Concen: 0.311 ng
 RT: 19.81 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BE099436.D
 Acq: 30 Apr 2019 21:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	29.2	23.2	34.8
122	6.6	4.2	6.4





#30

Benzo(a)anthracene

Concen: 0.431 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099436.D

Acq: 30 Apr 2019 21:37

Instrument :

BNA_E

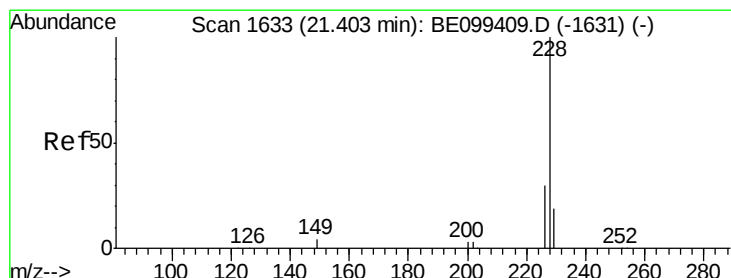
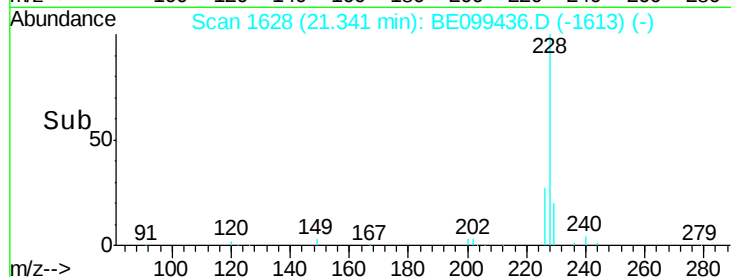
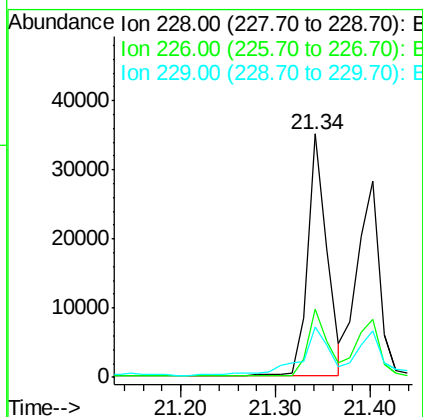
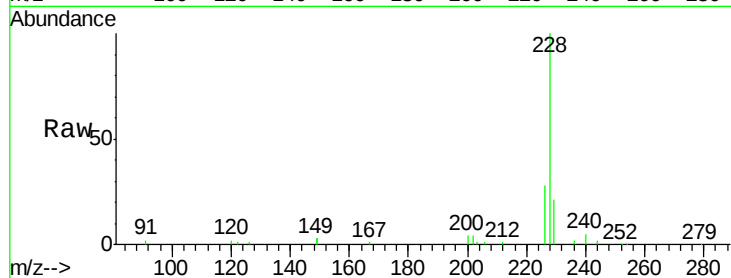
ClientSampleId :

PST-023-SW097-042319

Tgt Ion:	228	Resp:	49645
Ion Ratio	Lower	Upper	
228	100		
226	27.9	21.0	31.6
229	20.7	16.6	25.0

Manual Integrations
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#31

Chrysene

Concen: 0.403 ng

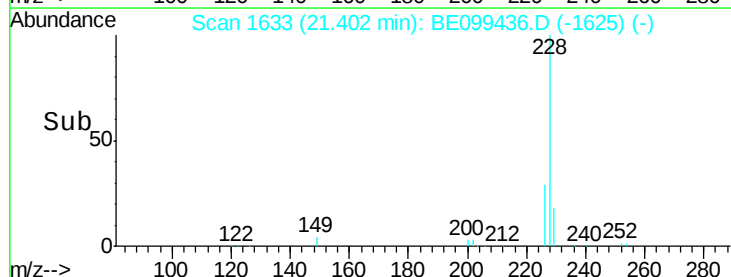
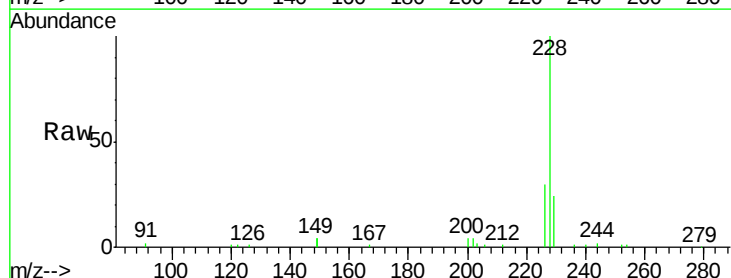
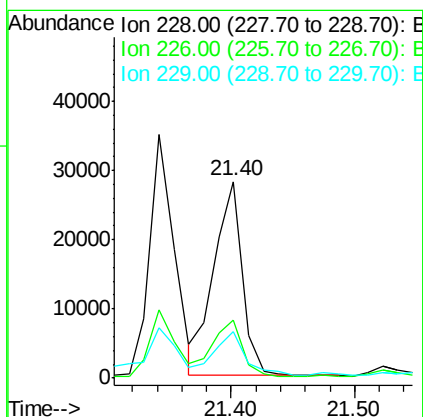
RT: 21.40 min Scan# 1633

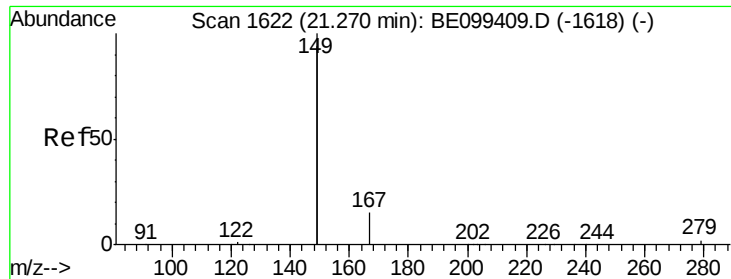
Delta R.T. -0.00 min

Lab File: BE099436.D

Acq: 30 Apr 2019 21:37

Tgt Ion:	228	Resp:	45428
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.0	36.0
229	23.6	15.8	23.8





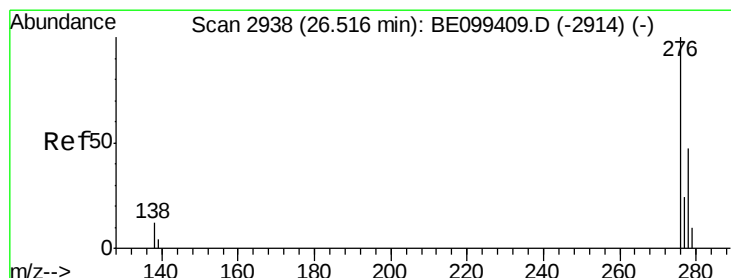
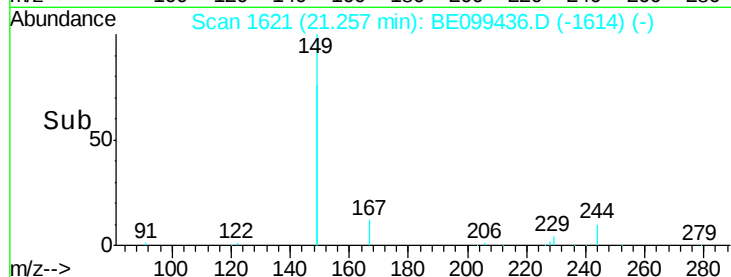
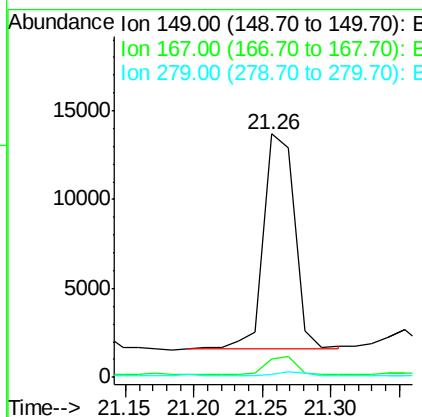
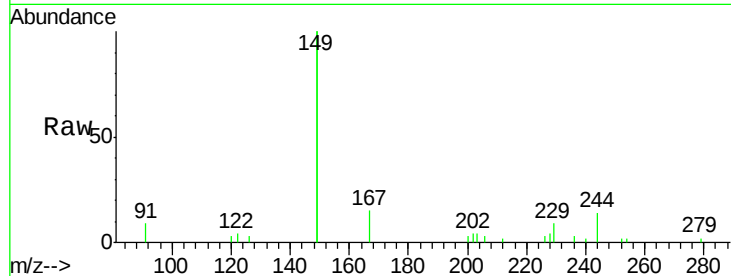
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.045 ng
 RT: 21.26 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BE099436.D
 Acq: 30 Apr 2019 21:37

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW097-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	7.8	5.8	8.6
279	1.6	1.0	1.6#

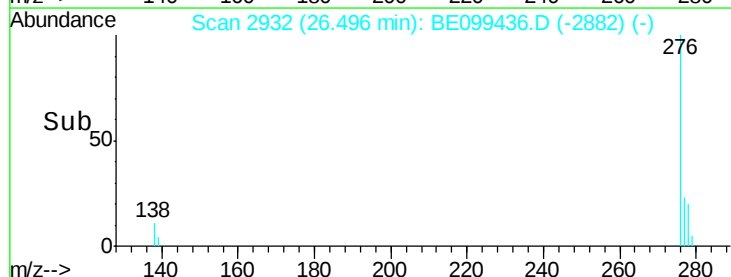
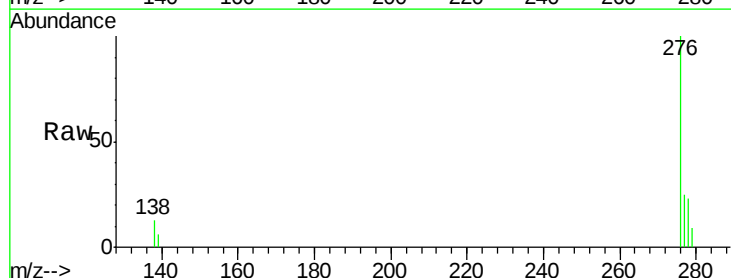
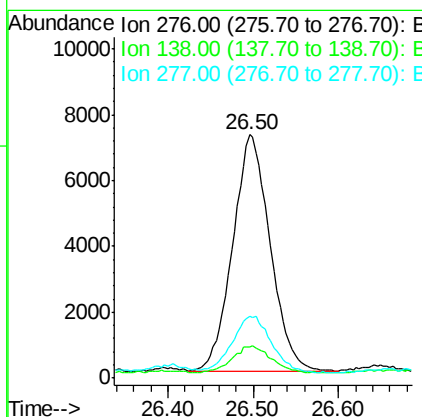
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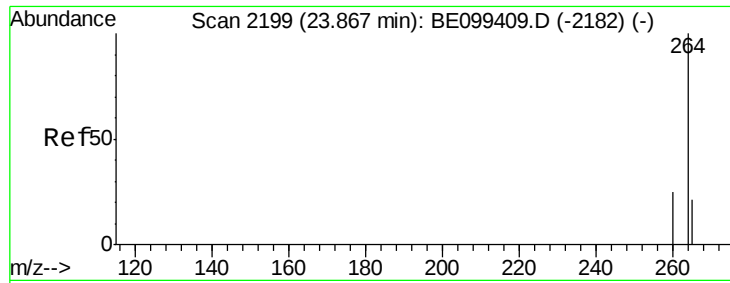
Sohil
 5/1/2019 12:02:40 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.163 ng
 RT: 26.50 min Scan# 2932
 Delta R.T. -0.02 min
 Lab File: BE099436.D
 Acq: 30 Apr 2019 21:37

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	11.7	10.2	15.2
277	24.9	19.2	28.8





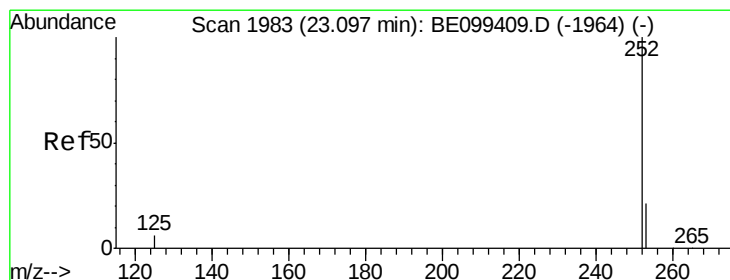
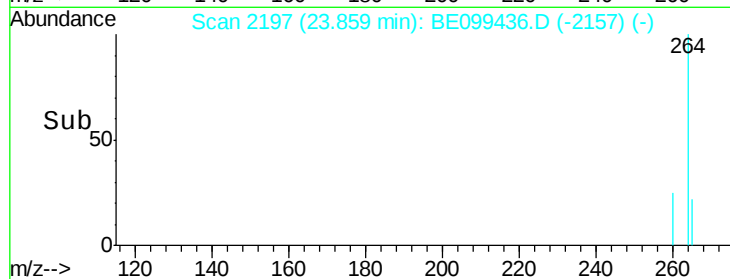
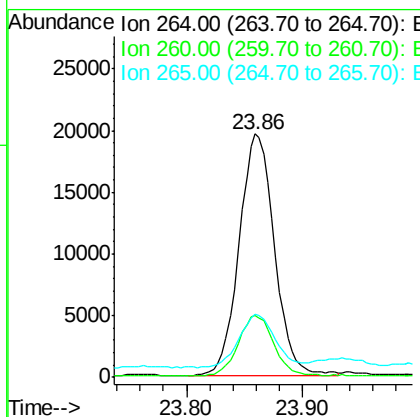
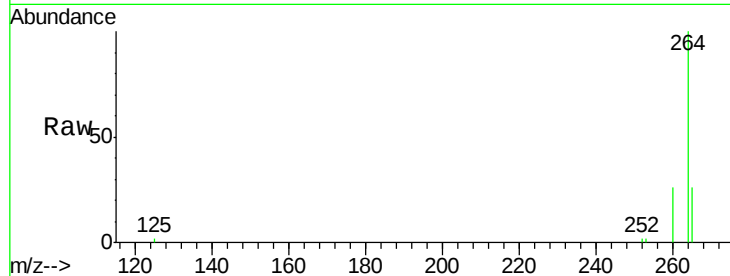
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2197
 Delta R.T. -0.01 min
 Lab File: BE099436.D
 Acq: 30 Apr 2019 21:37

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW097-042319

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	41273		
260	25.5	20.2	30.2	
265	25.7	21.3	31.9	

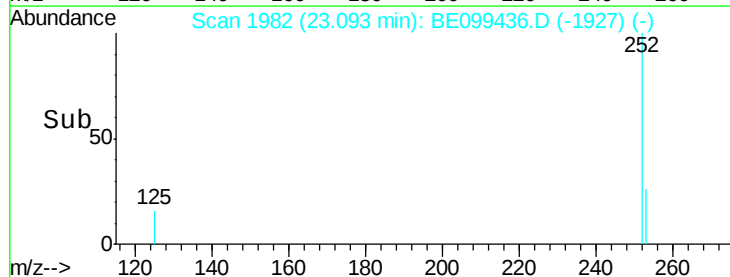
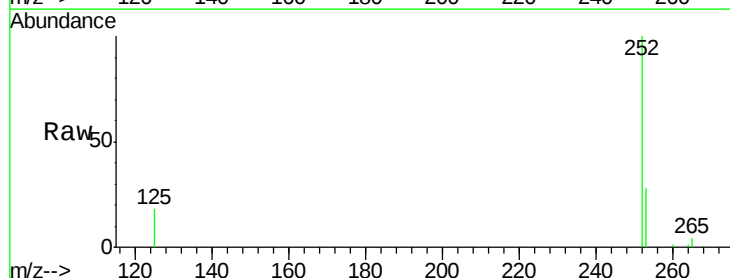
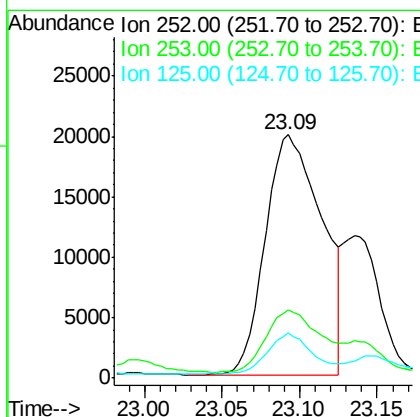
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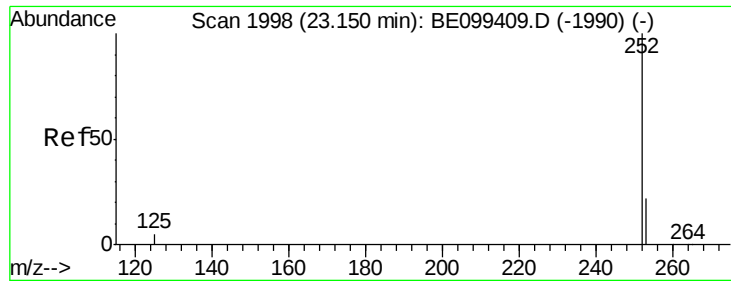
Sohil
 5/1/2019 12:02:40 PM



#35
Benzo(b)fluoranthene
 Concen: 0.425 ng
 RT: 23.09 min Scan# 1982
 Delta R.T. -0.00 min
 Lab File: BE099436.D
 Acq: 30 Apr 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	50535		
253	27.8	18.1	27.1#	
125	18.3	5.6	8.4#	





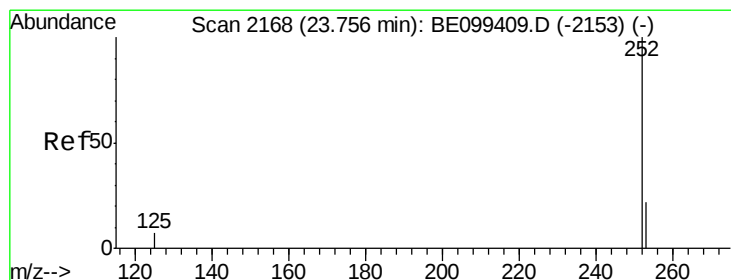
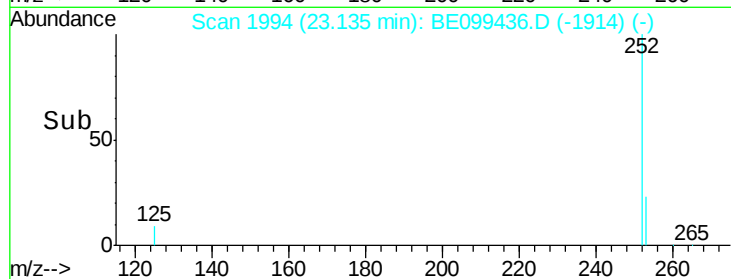
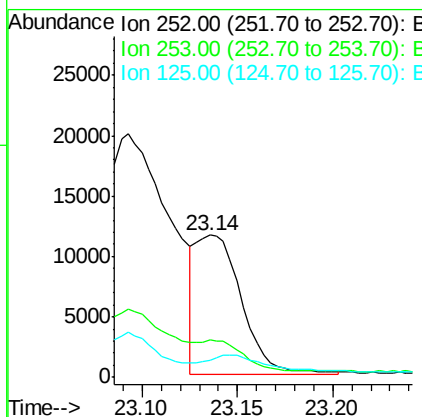
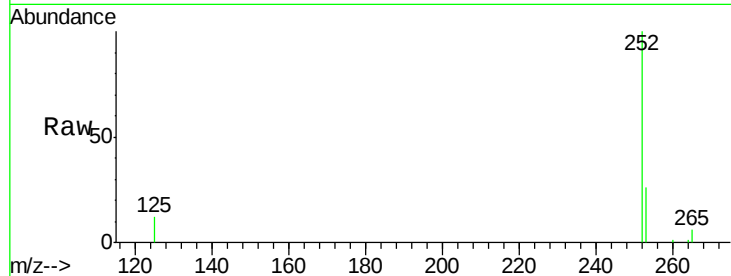
#36
Benzo(k)fluoranthene
Concen: 0.169 ng m
RT: 23.14 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BE099436.D
Acq: 30 Apr 2019 21:37

Instrument :
BNA_E
ClientSampleId :
PST-023-SW097-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.4	27.6
125	12.1	5.0	7.4#

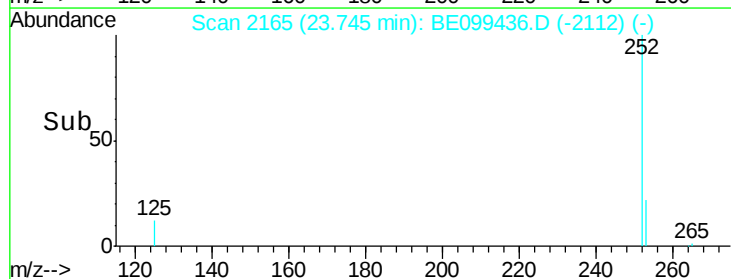
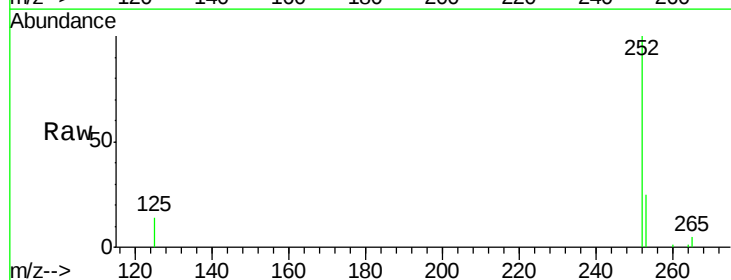
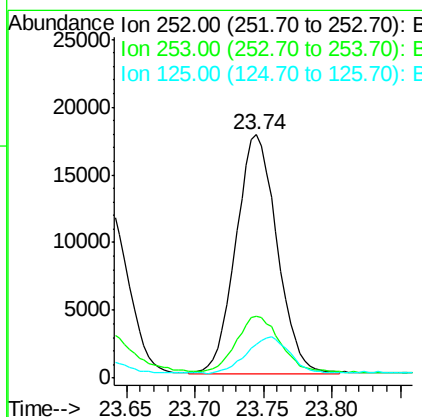
Manual Integrations
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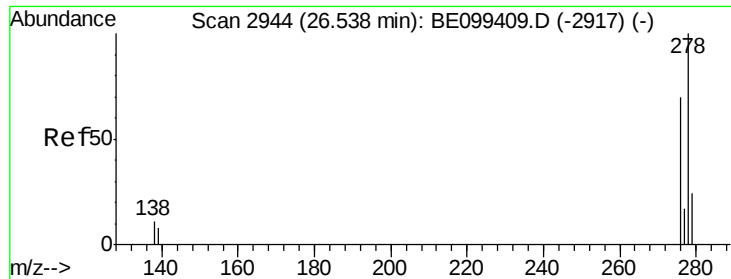
Sohil
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#37
Benzo(a)pyrene
Concen: 0.327 ng m
RT: 23.74 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BE099436.D
Acq: 30 Apr 2019 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.9	28.3
125	14.0	6.7	10.1#





#38

Dibenzo(a,h)anthracene

Concen: 0.059 ng

RT: 26.51 min Scan# 2937

Delta R.T. -0.02 min

Lab File: BE099436.D

Acq: 30 Apr 2019 21:37

Instrument :

BNA_E

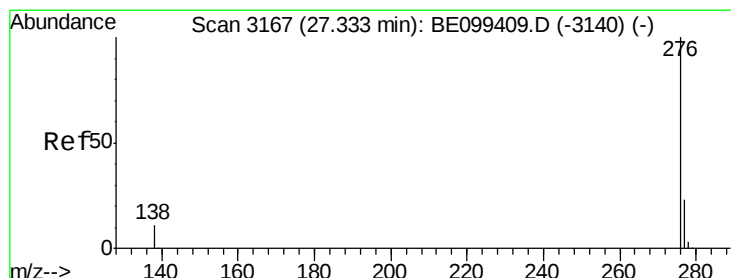
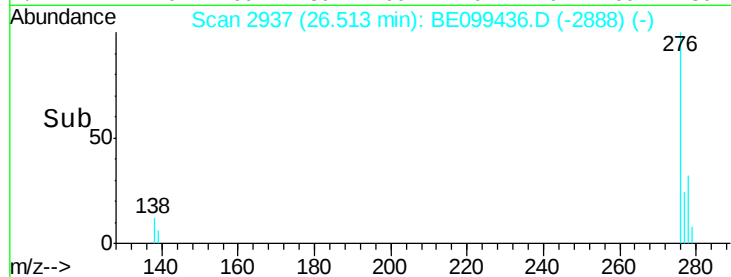
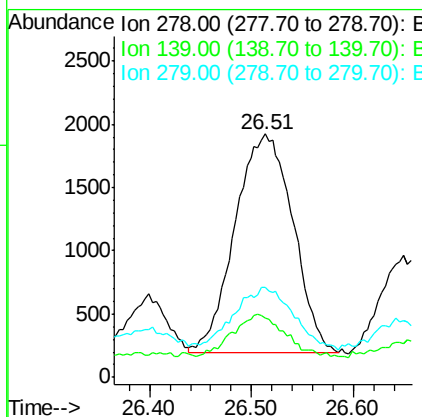
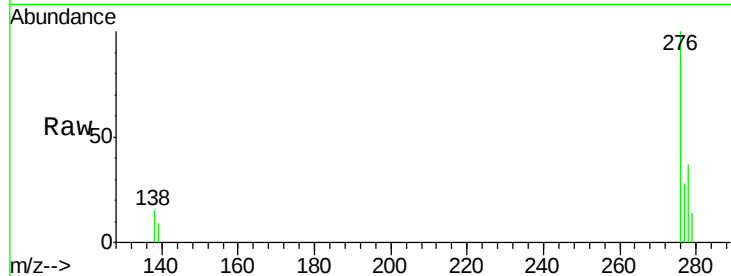
ClientSampleId :

PST-023-SW097-042319

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.3	7.7	11.5#
279	37.0	20.2	30.2#

Manual Integrations
APPROVED

Sohil
5/1/2019 12:02:40 PM



#39

Benzo(g,h,i)perylene

Concen: 0.178 ng

RT: 27.31 min Scan# 3161

Delta R.T. -0.02 min

Lab File: BE099436.D

Acq: 30 Apr 2019 21:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.5	29.3
138	12.8	9.6	14.4

