

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
 Data File : BE099484.D
 Acq On : 2 May 2019 4:00
 Operator : JU/SJ
 Sample : K2569-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW027-042319

Manual Integrations
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Quant Time: May 02 08:50:14 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	2351	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	8744	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6597	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	20591	0.40	ng	0.00
27) Chrysene-d12	21.37	240	25557	0.40	ng	0.00
34) Perylene-d12	23.86	264	29612	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2212	0.34	ng	0.00
5) Phenol-d6	6.97	99	3192	0.37	ng	0.00
8) Nitrobenzene-d5	8.97	82	2579	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	4839	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1504	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	7512	0.30	ng	-0.01
25) Fluoranthene-d10	19.22	212	83666	0.30	ng	0.00
29) Terphenyl-d14	19.81	244	18033	0.39	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	3566	0.037	ng	# 94
12) 2-Methylnaphthalene	12.27	142	845	0.051	ng	93
16) Acenaphthylene	14.18	152	1510	0.047	ng	97
18) Fluorene	15.49	166	1027	0.038	ng	# 80
23) Phenanthrene	17.23	178	13484	0.254	ng	99
24) Anthracene	17.32	178	2054	0.041	ng	# 94
26) Fluoranthene	19.25	202	31029	0.390	ng	100
28) Pyrene	19.61	202	30248	0.454	ng	# 96
30) Benzo(a)anthracene	21.34	228	18649	0.229	ng	96
31) Chrysene	21.40	228	22754	0.286	ng	97
32) Bis(2-ethylhexyl)phthalate	21.26	149	15537	0.063	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.51	276	16850	0.179	ng	# 93
35) Benzo(b)fluoranthene	23.09	252	29255	0.343	ng	# 91
36) Benzo(k)fluoranthene	23.14	252	12474m	0.152	ng	
37) Benzo(a)pyrene	23.75	252	19977	0.247	ng	# 89
38) Dibenzo(a,h)anthracene	26.53	278	4952	0.060	ng	# 71
39) Benzo(g,h,i)perylene	27.33	276	16353	0.198	ng	98

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

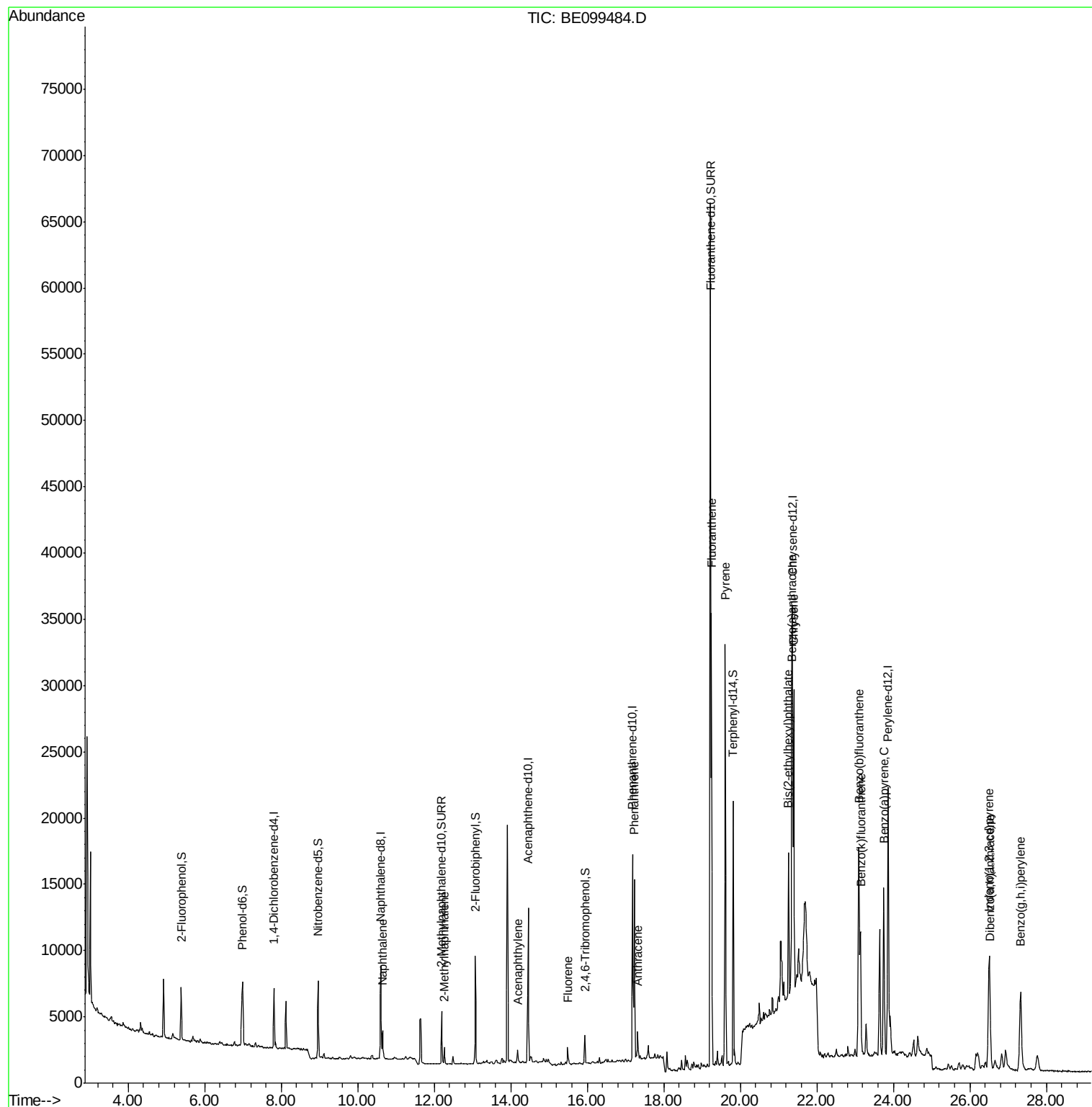
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
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ALS Vial : 29 Sample Multiplier: 1

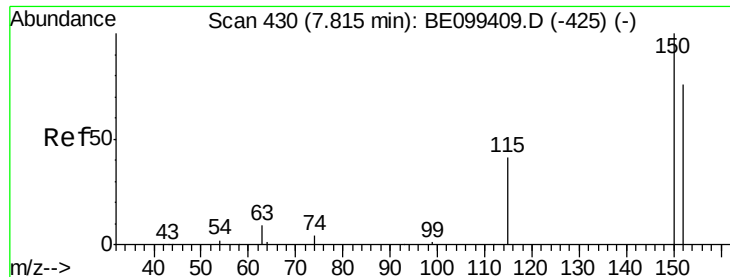
Instrument :
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PST-023-SW027-042319

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Quant Time: May 02 08:50:14 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099484.D

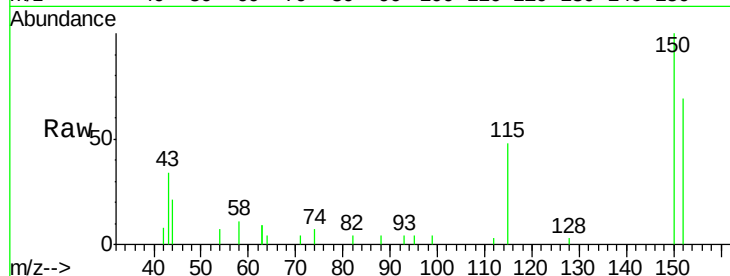
Acq: 2 May 2019 4:00

Instrument :

BNA_E

ClientSampleId :

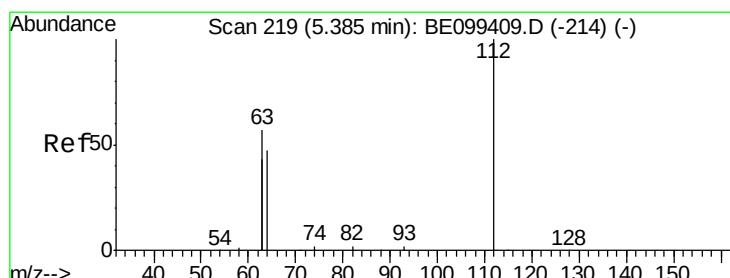
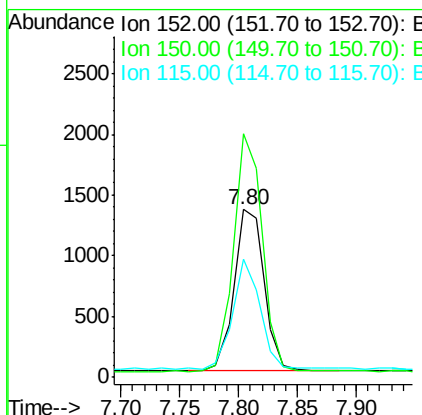
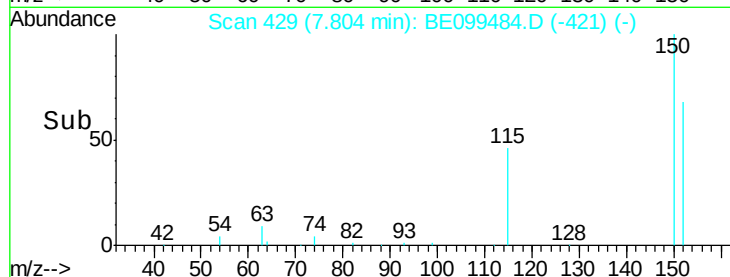
PST-023-SW027-042319



Tgt Ion:	152	Resp:	2351
Ion Ratio	Lower	Upper	
152	100		
150	144.9	104.8	157.2
115	70.1	46.6	69.8#

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#4

2-Fluorophenol

Concen: 0.340 ng

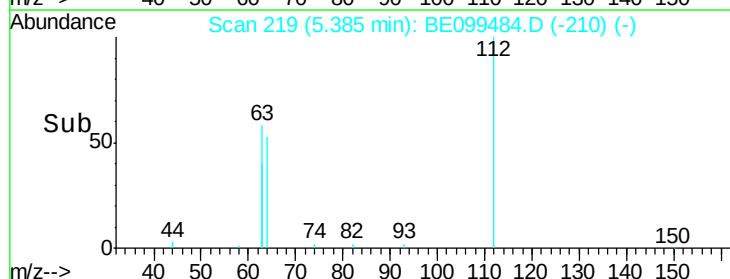
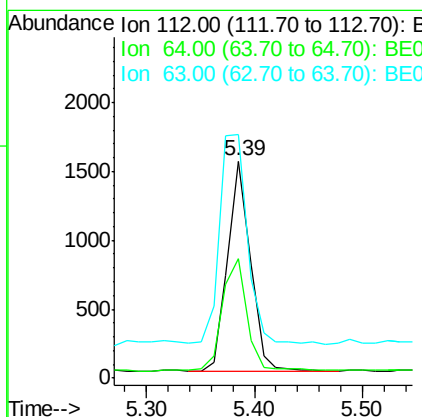
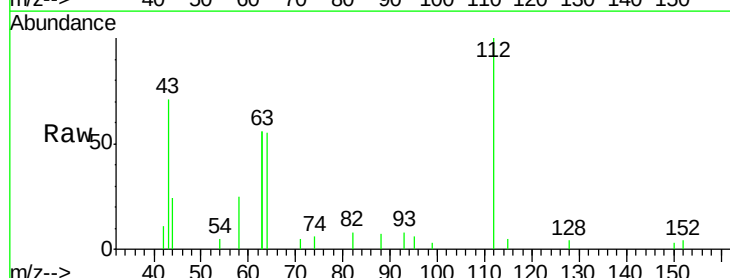
RT: 5.39 min Scan# 219

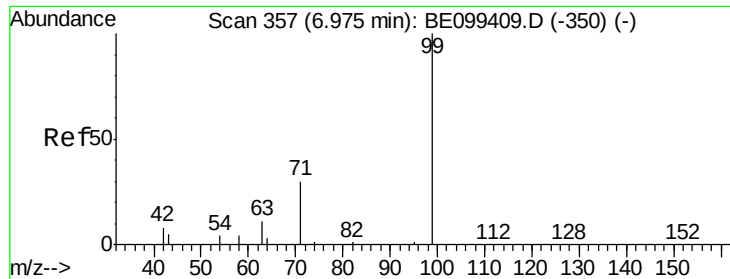
Delta R.T. -0.00 min

Lab File: BE099484.D

Acq: 2 May 2019 4:00

Tgt Ion:	112	Resp:	2212
Ion Ratio	Lower	Upper	
112	100		
64	59.1	47.4	71.0
63	122.7	104.3	156.5





#5

Phenol-d6

Concen: 0.369 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099484.D

Acq: 2 May 2019 4:00

Instrument :

BNA_E

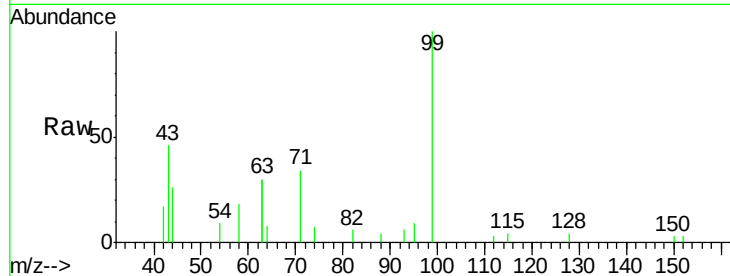
ClientSampleId :

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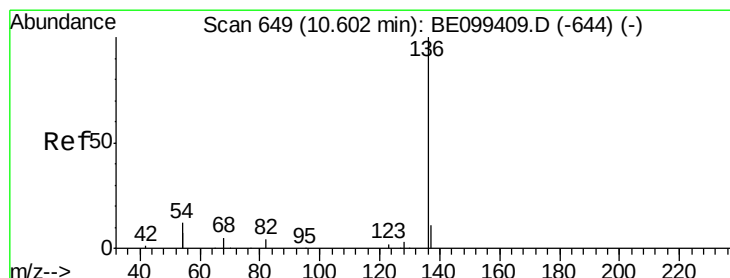
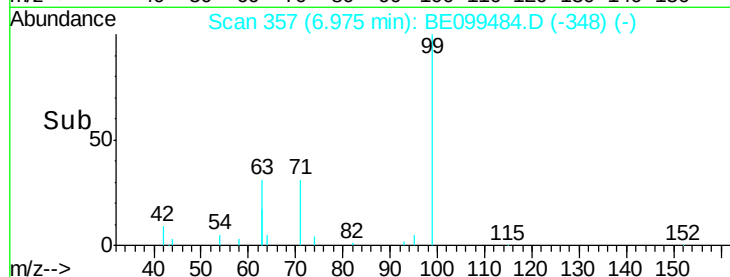
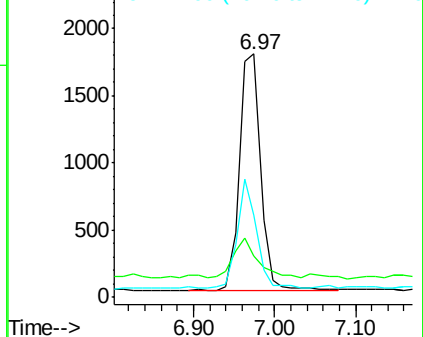
Tgt Ion:	99	Resp:	3192
Ion	Ratio	Lower	Upper
99	100		
42	19.9	14.9	22.3
71	41.2	33.0	49.6

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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

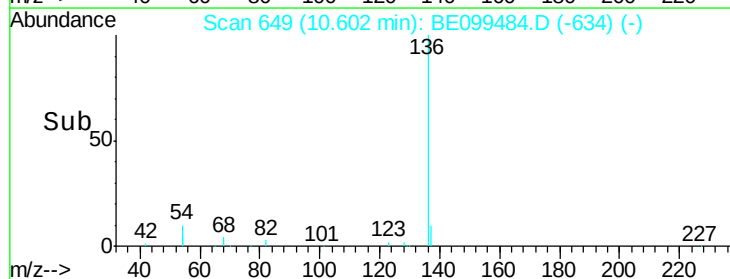
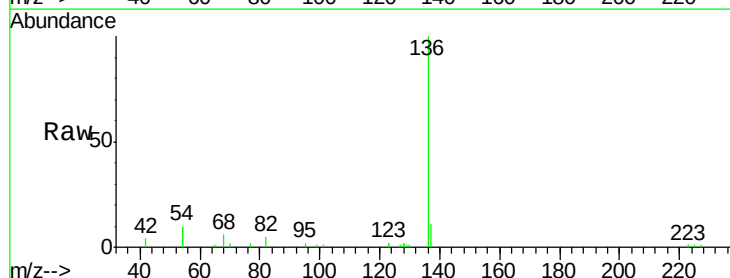
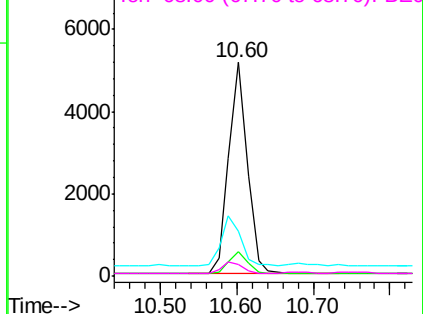
Delta R.T. 0.00 min

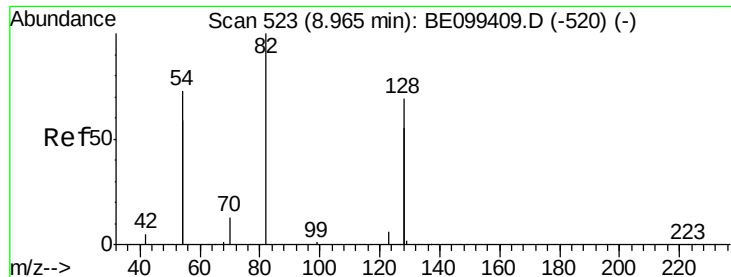
Lab File: BE099484.D

Acq: 2 May 2019 4:00

Tgt Ion:	136	Resp:	8744
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.8	14.8
54	20.7	18.5	27.7
68	5.6	4.7	7.1

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: 0.315 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099484.D

Acq: 2 May 2019 4:00

Instrument :

BNA_E

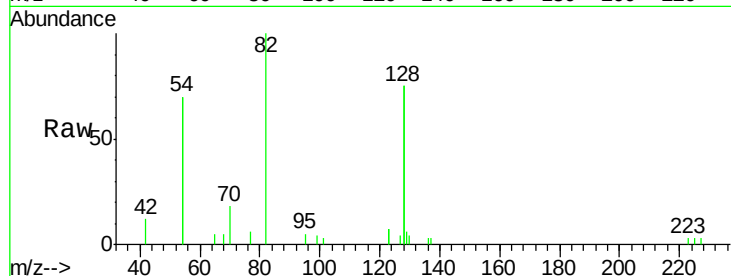
ClientSampleId :

PST-023-SW027-042319

Tgt Ion:	82	Resp:	2579
Ion Ratio	Lower	Upper	
82	100		
128	149.8	107.0	160.4
54	139.0	113.1	169.7

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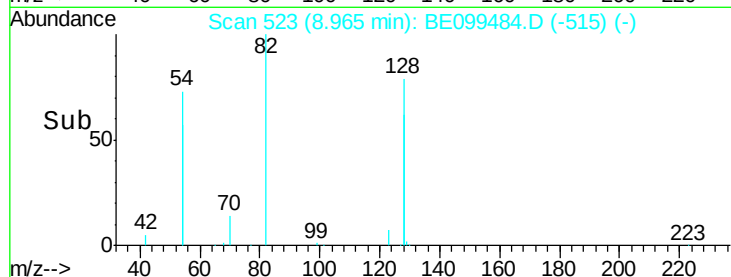


Abundance Ion 82.00 (81.70 to 82.70): BE099409.D (-520) (-)

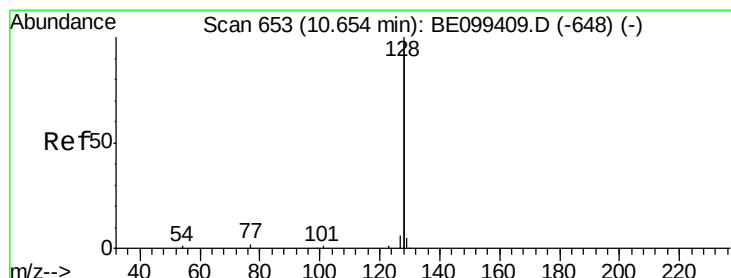
Ion 128.00 (127.70 to 128.70): BE099409.D (-520) (-)

Ion 54.00 (53.70 to 54.70): BE099409.D (-520) (-)

Time-->



Time-->



#9

Naphthalene

Concen: 0.037 ng

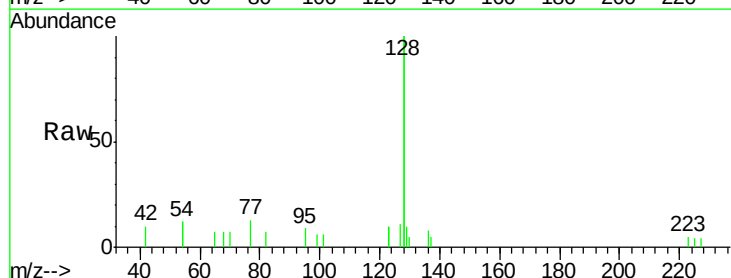
RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099484.D

Acq: 2 May 2019 4:00

Tgt Ion:	128	Resp:	3566
Ion Ratio	Lower	Upper	
128	100		
129	5.2	2.4	3.6#
127	5.4	2.8	4.2#

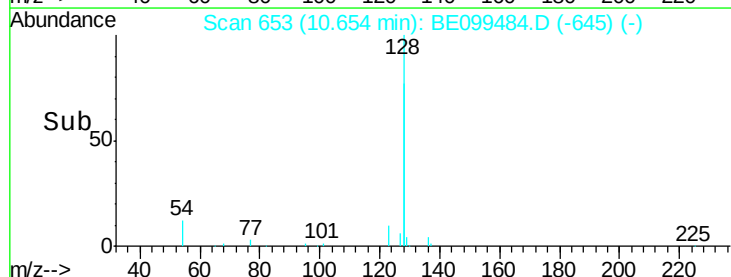


Abundance Ion 128.00 (127.70 to 128.70): BE099409.D (-648) (-)

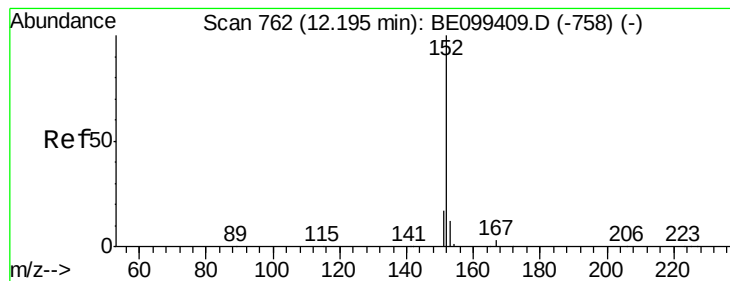
Ion 129.00 (128.70 to 129.70): BE099409.D (-648) (-)

Ion 127.00 (126.70 to 127.70): BE099409.D (-648) (-)

Time-->



Time-->



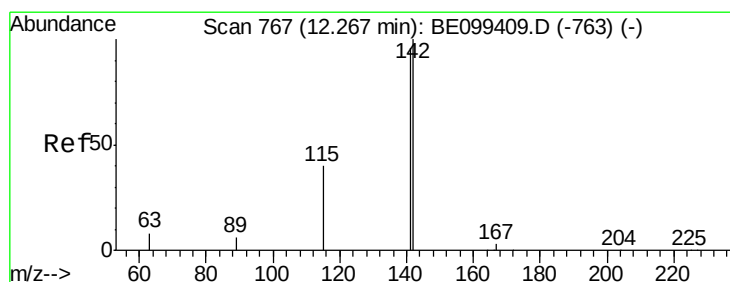
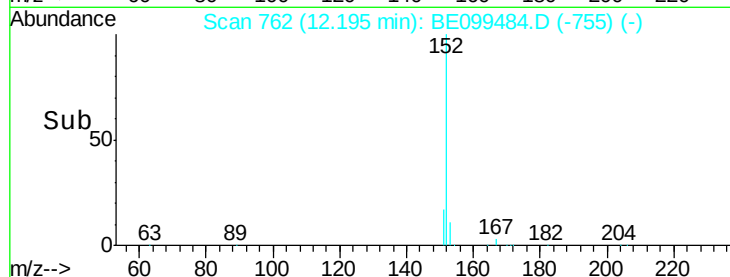
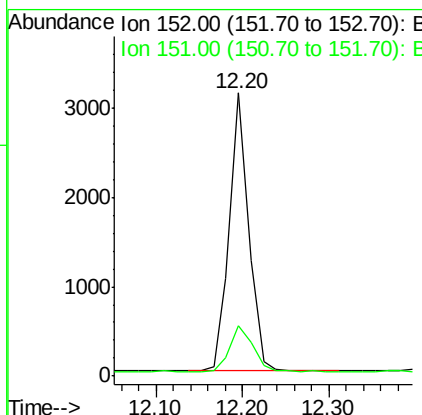
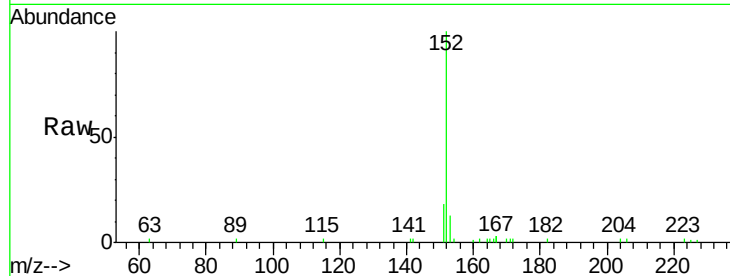
#11
 2-Methylnaphthalene-d10
 Concen: 0.307 ng
 RT: 12.20 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099484.D
 Acq: 2 May 2019 4:00

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW027-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3

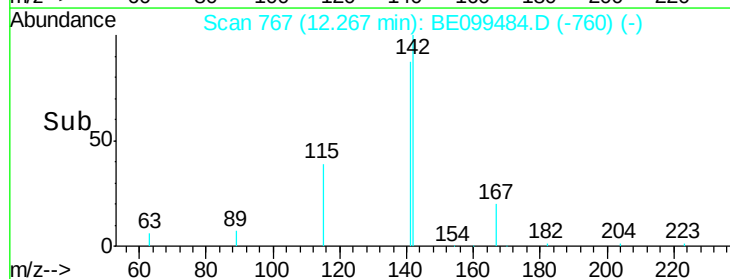
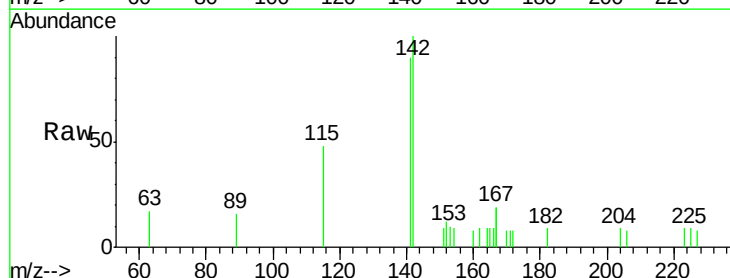
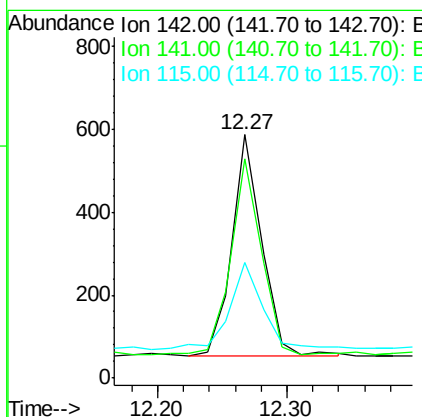
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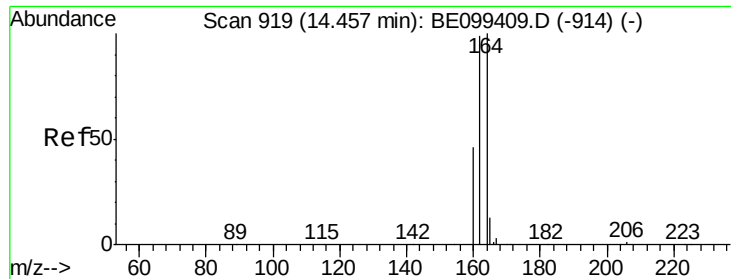
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#12
 2-Methylnaphthalene
 Concen: 0.051 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099484.D
 Acq: 2 May 2019 4:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.1	77.0	115.4
115	47.6	33.4	50.0





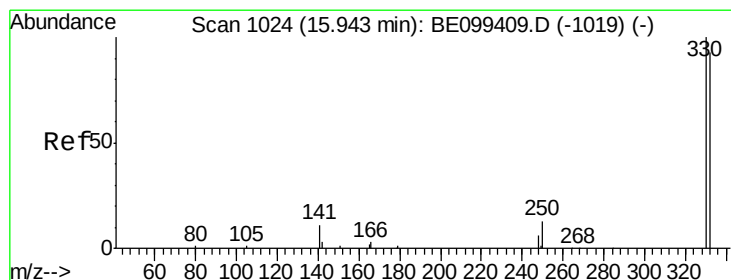
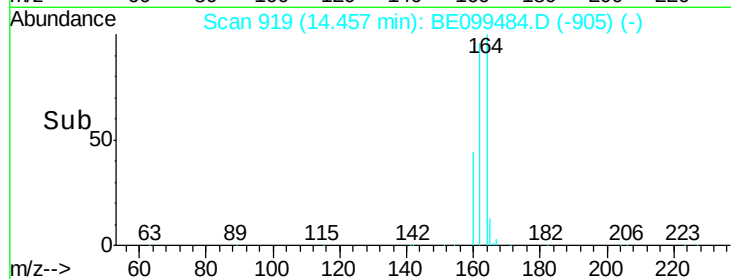
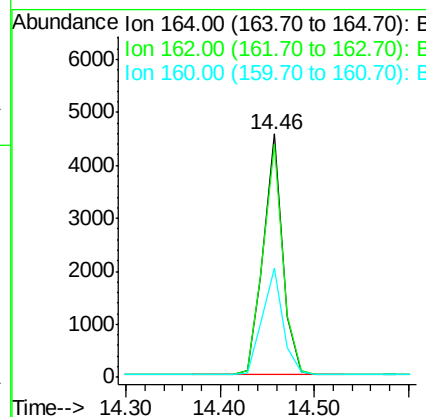
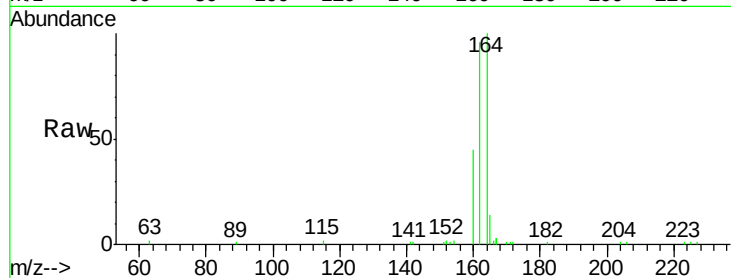
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099484.D
 Acq: 2 May 2019 4:00

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW027-042319

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.7	79.0	118.4
160	45.1	37.0	55.4

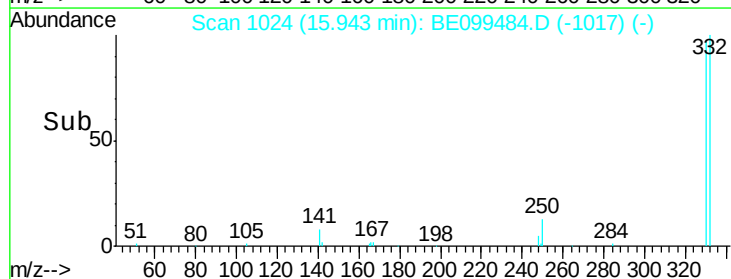
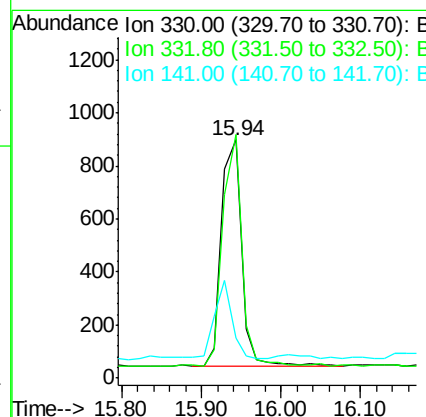
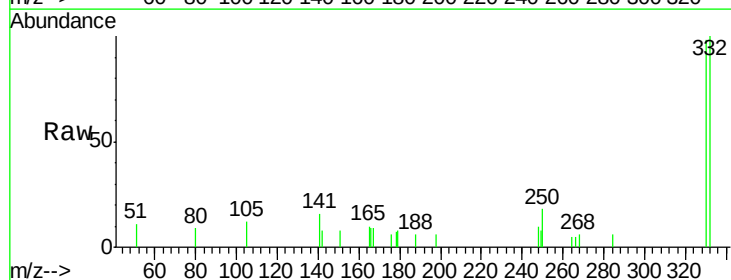
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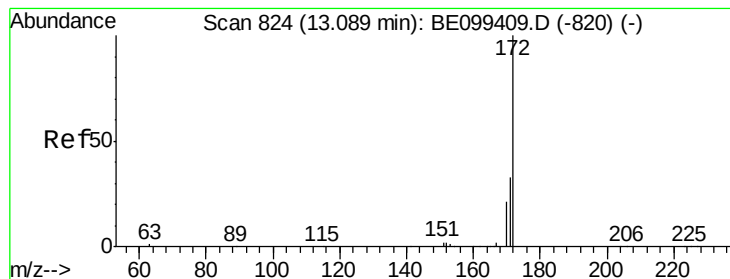
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#14
 2,4,6-Tribromophenol
 Concen: 0.362 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE099484.D
 Acq: 2 May 2019 4:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	71.5	107.3
141	30.0	24.0	36.0





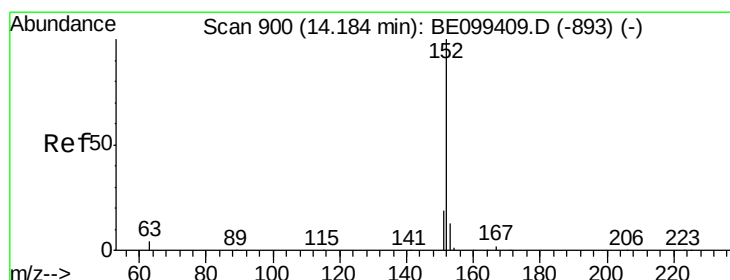
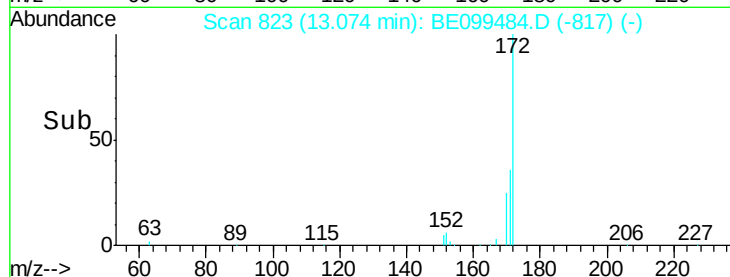
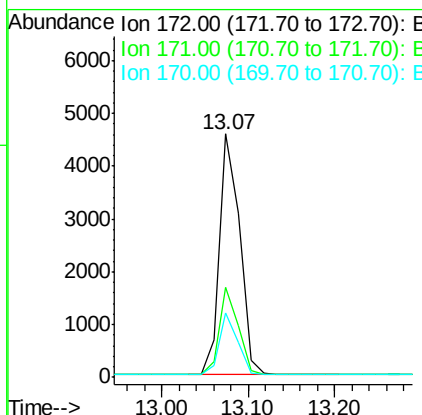
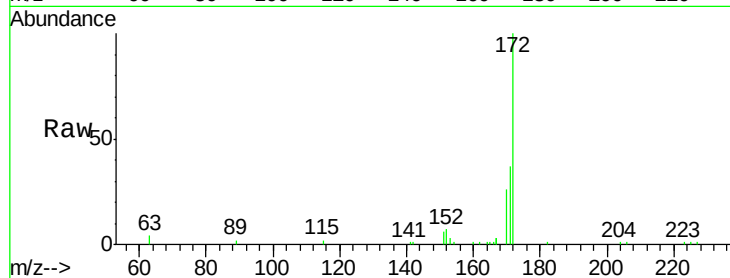
#15
2-Fluorobiphenyl
Concen: 0.298 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099484.D
Acq: 2 May 2019 4:00

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	26.6	39.8
170	26.3	17.0	25.6

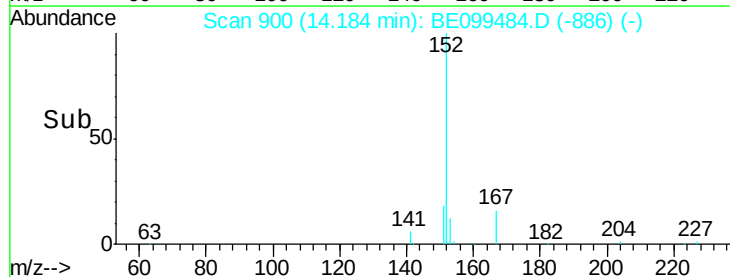
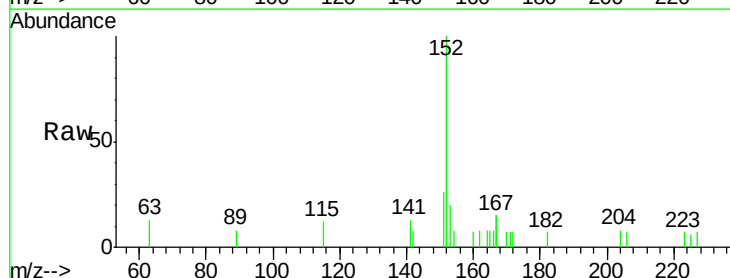
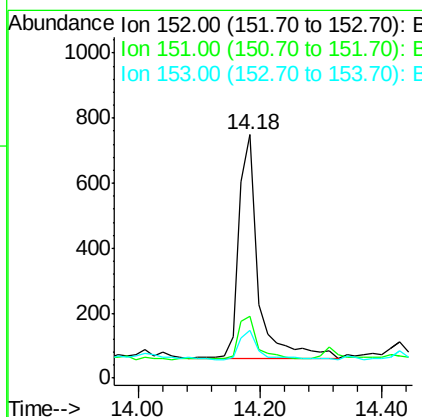
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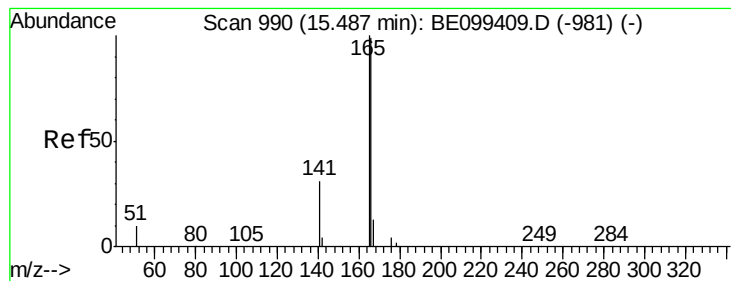
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#16
Acenaphthylene
Concen: 0.047 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099484.D
Acq: 2 May 2019 4:00

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.4	15.4	23.2
153	14.4	9.8	14.6





#18

Fluorene

Concen: 0.038 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099484.D

Acq: 2 May 2019 4:00

Instrument :

BNA_E

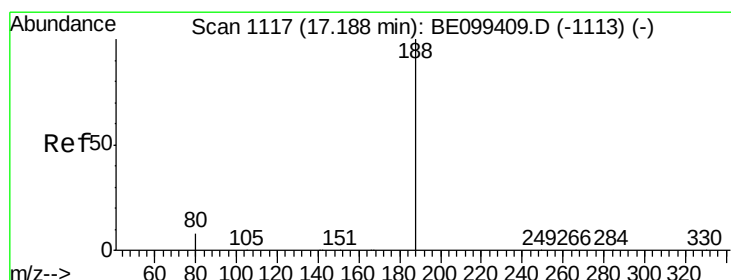
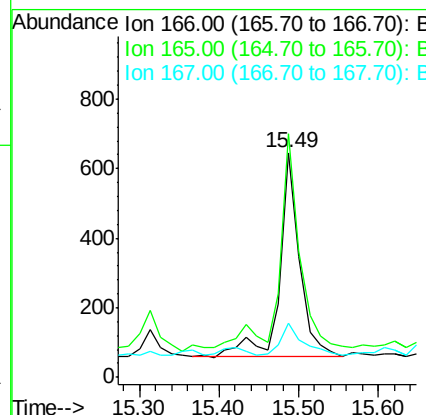
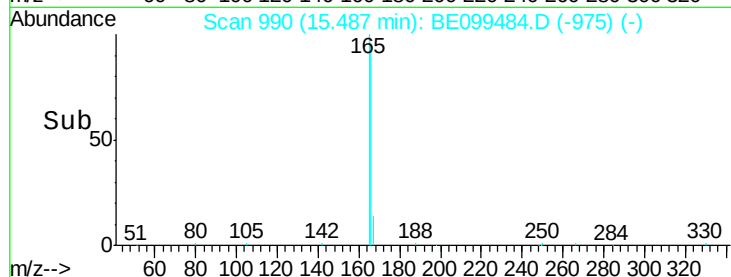
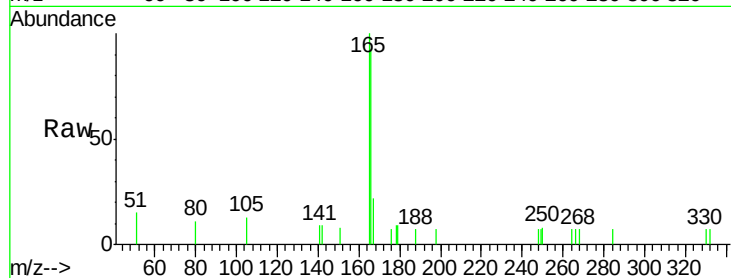
ClientSampleId :

PST-023-SW027-042319

Tgt Ion:	166	Resp:	1027
Ion Ratio	Lower	Upper	
166	100		
165	121.2	80.3	120.5#
167	17.6	10.7	16.1#

Manual Integrations
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#19

Phenanthrene-d10

Concen: 0.400 ng

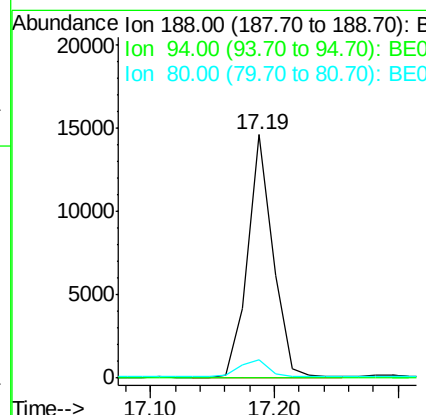
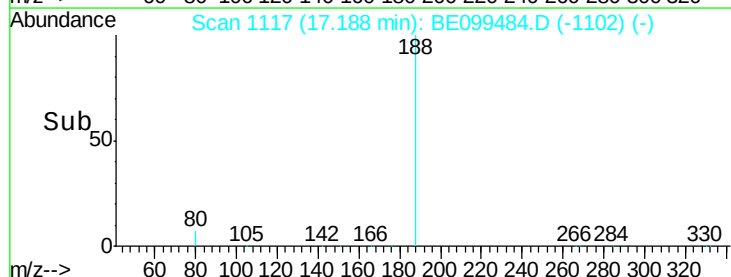
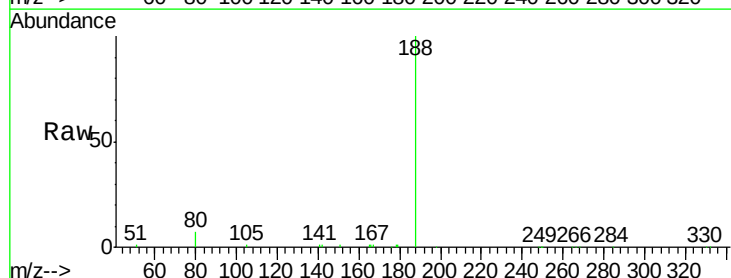
RT: 17.19 min Scan# 1117

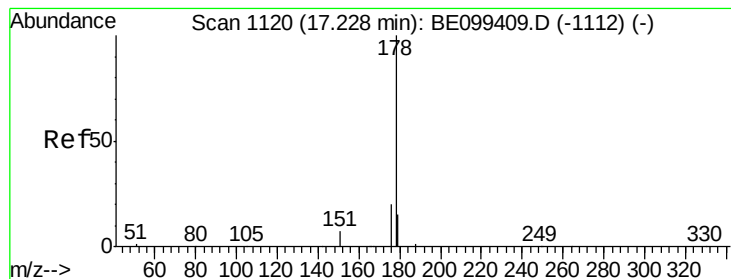
Delta R.T. -0.00 min

Lab File: BE099484.D

Acq: 2 May 2019 4:00

Tgt Ion:	188	Resp:	20591
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.3	6.7	10.1





#23

Phenanthrene

Concen: 0.254 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099484.D

Acq: 2 May 2019 4:00

Instrument :

BNA_E

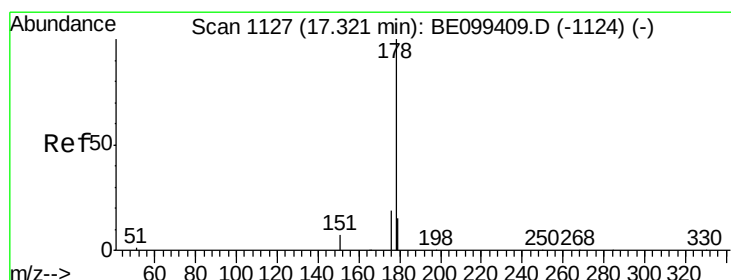
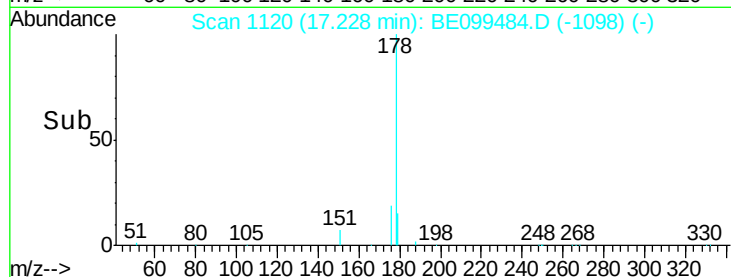
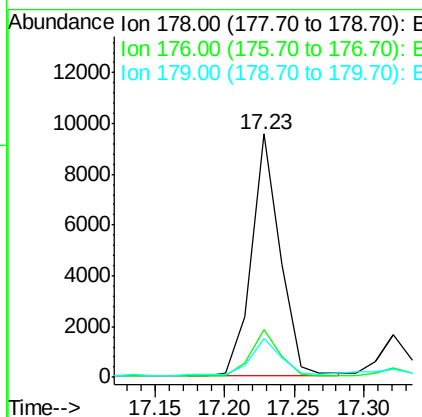
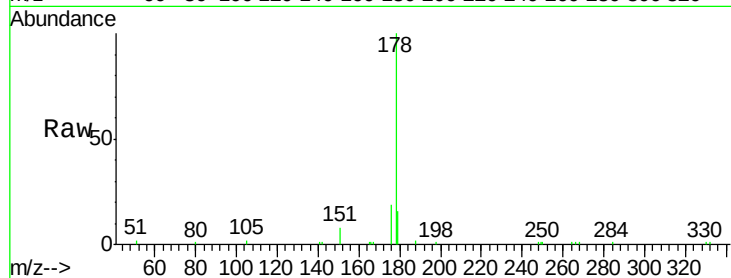
ClientSampleId :

PST-023-SW027-042319

Tgt Ion:	178	Resp:	13484
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.6	23.4
179	16.0	12.0	18.0

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#24

Anthracene

Concen: 0.041 ng

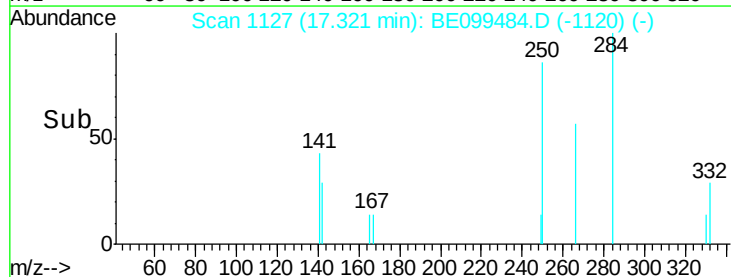
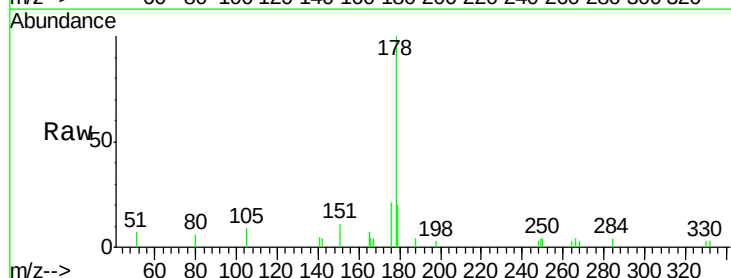
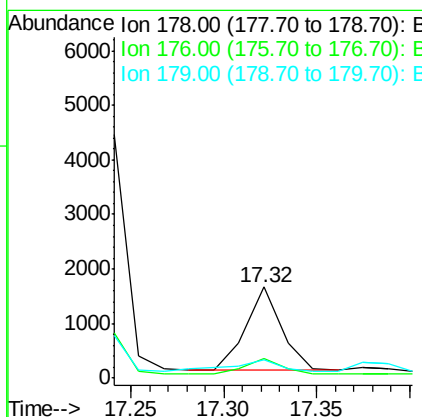
RT: 17.32 min Scan# 1127

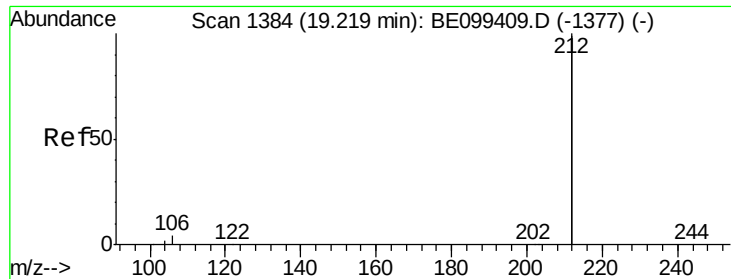
Delta R.T. -0.00 min

Lab File: BE099484.D

Acq: 2 May 2019 4:00

Tgt Ion:	178	Resp:	2054
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.9	22.3
179	20.5	11.9	17.9#





#25

Fluoranthene-d10

Concen: 0.301 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099484.D

Acq: 2 May 2019 4:00

Instrument :

BNA_E

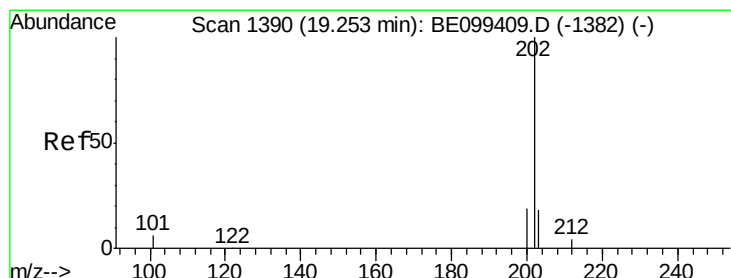
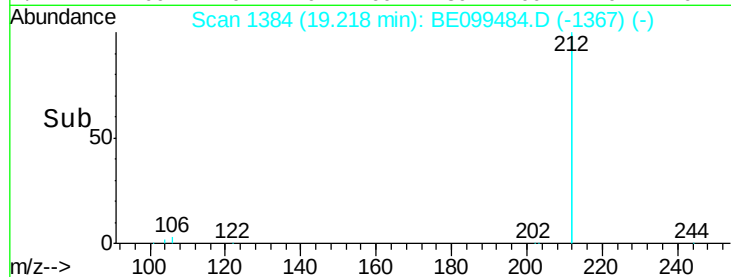
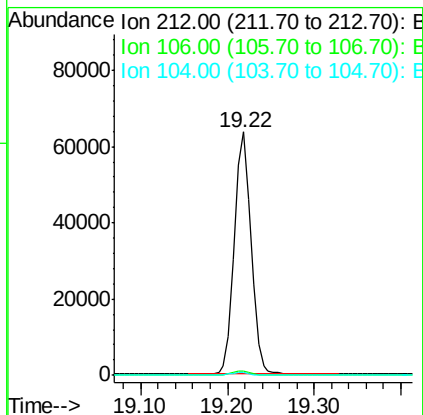
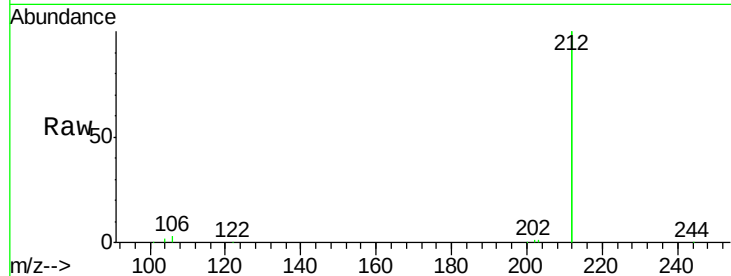
ClientSampleId :

PST-023-SW027-042319

Tgt Ion:	212	Resp:	83666
Ion Ratio	Lower	Upper	
212	100		
106	1.8	1.5	2.3
104	1.2	0.9	1.3

Manual Integrations
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#26

Fluoranthene

Concen: 0.390 ng

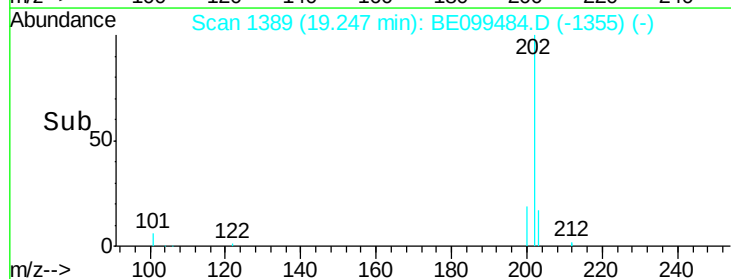
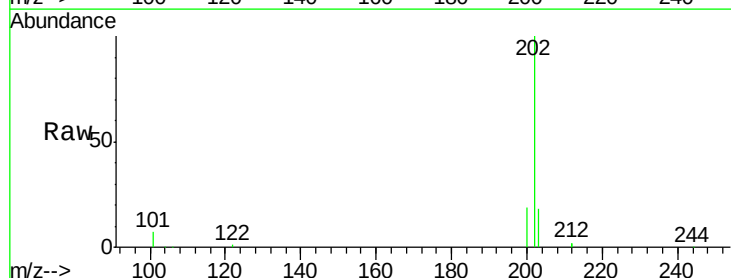
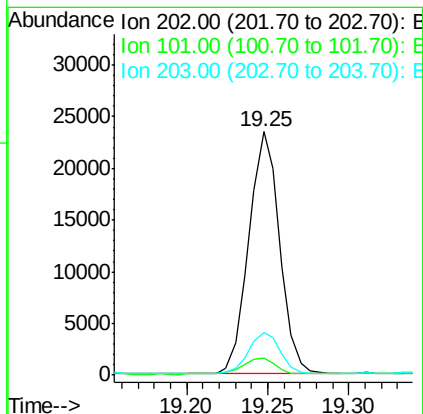
RT: 19.25 min Scan# 1389

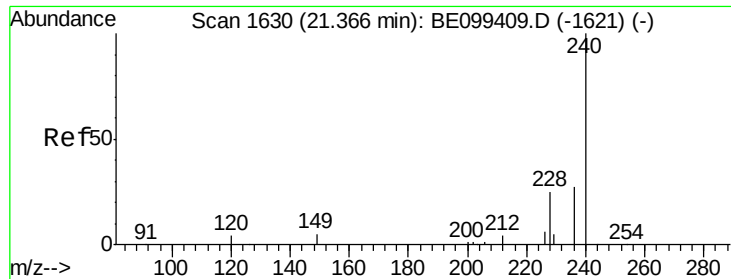
Delta R.T. -0.01 min

Lab File: BE099484.D

Acq: 2 May 2019 4:00

Tgt Ion:	202	Resp:	31029
Ion Ratio	Lower	Upper	
202	100		
101	7.0	5.4	8.0
203	17.4	13.9	20.9





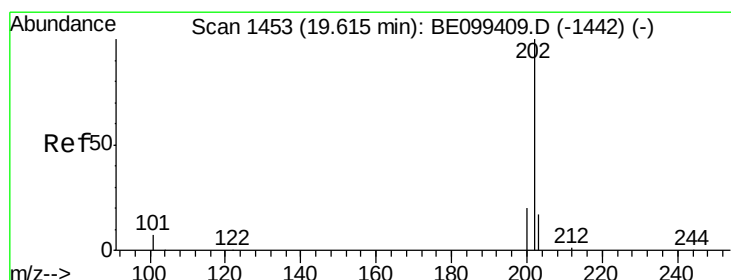
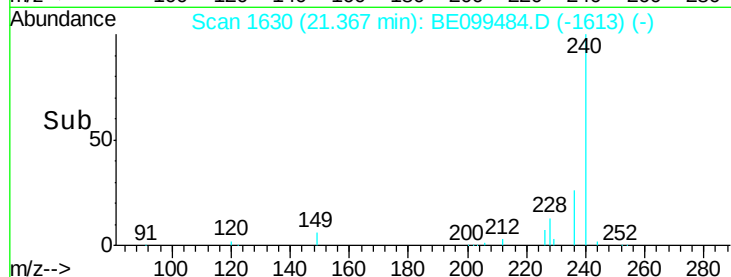
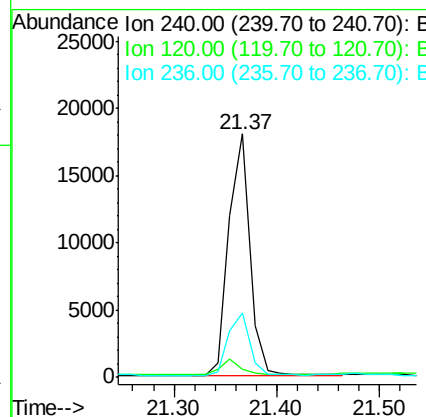
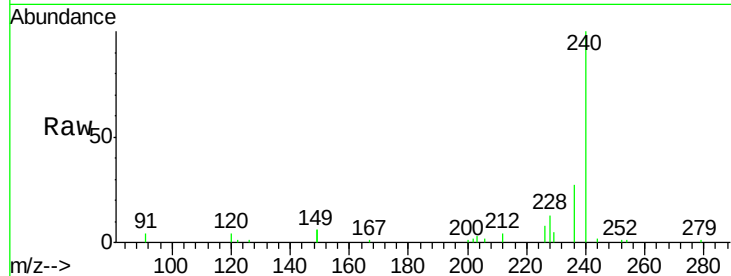
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099484.D
Acq: 2 May 2019 4:00

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	25557		
120	3.6	4.0	6.0#	
236	26.6	22.0	33.0	

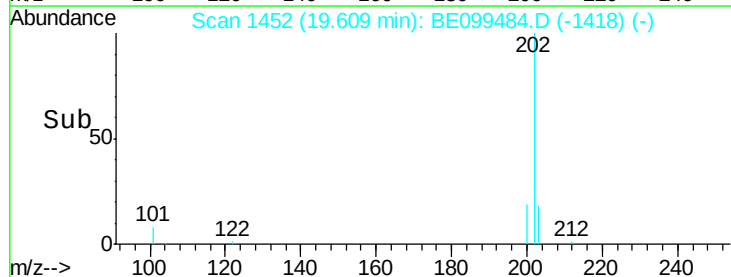
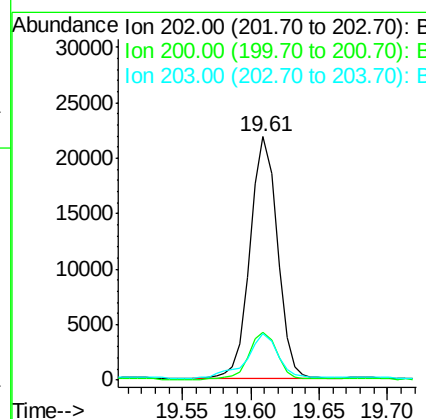
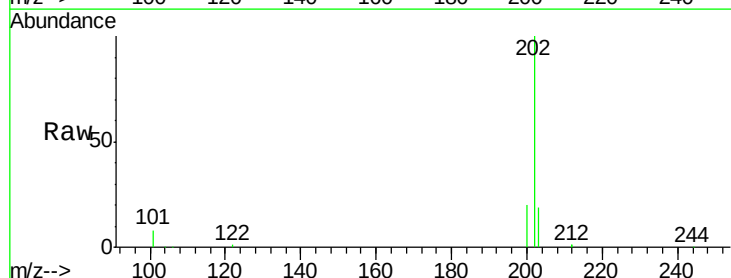
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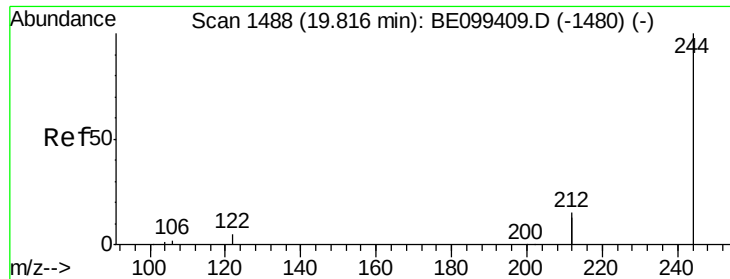
Sohil
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#28
Pyrene
Concen: 0.454 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099484.D
Acq: 2 May 2019 4:00

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	30248		
200	19.8	15.7	23.5	
203	21.1	13.9	20.9#	





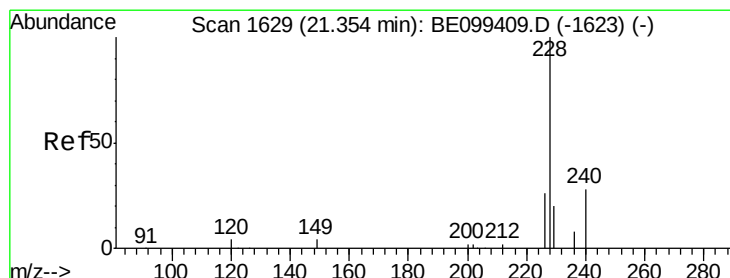
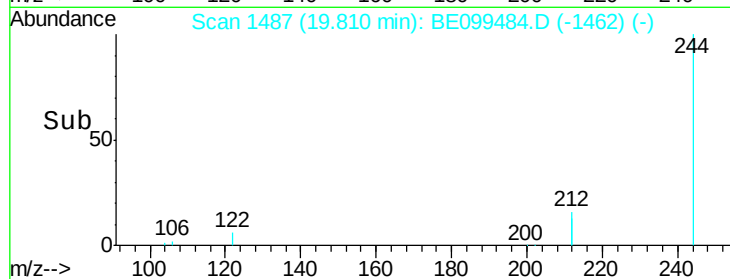
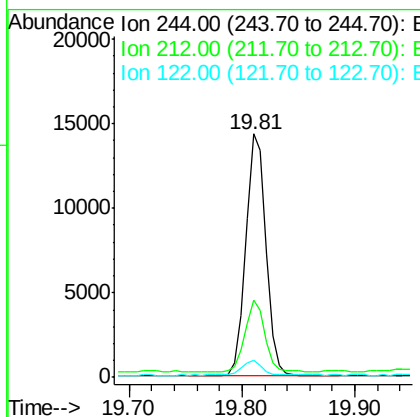
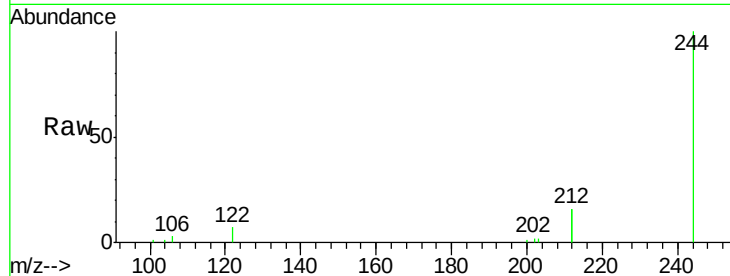
#29
 Terphenyl-d14
 Concen: 0.385 ng
 RT: 19.81 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BE099484.D
 Acq: 2 May 2019 4:00

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW027-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	31.6	23.2	34.8
122	7.2	4.2	6.4

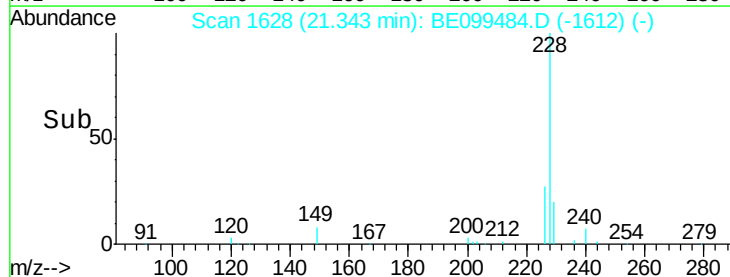
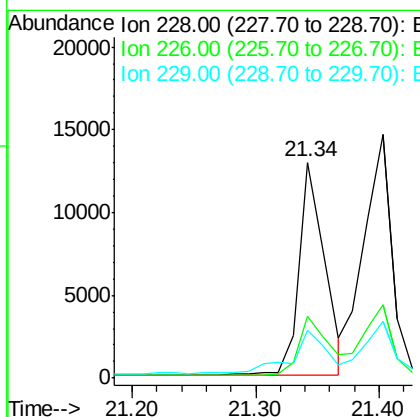
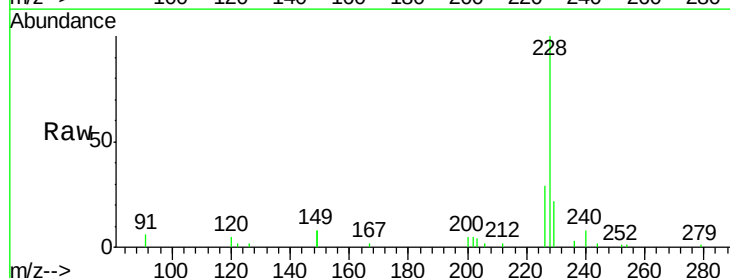
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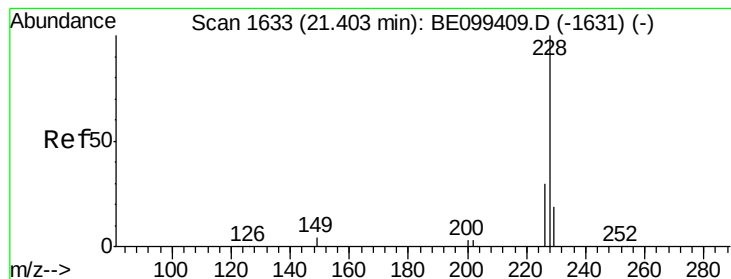
Sohil
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#30
 Benzo(a)anthracene
 Concen: 0.229 ng
 RT: 21.34 min Scan# 1628
 Delta R.T. -0.01 min
 Lab File: BE099484.D
 Acq: 2 May 2019 4:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.6	21.0	31.6
229	22.1	16.6	25.0





#31

Chrysene

Concen: 0.286 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099484.D

Acq: 2 May 2019 4:00

Instrument :

BNA_E

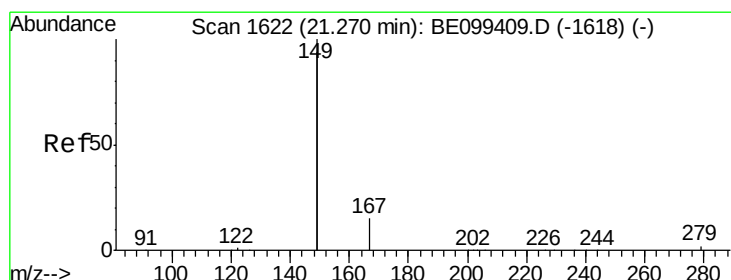
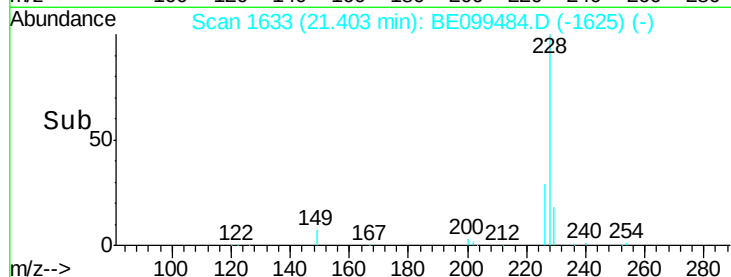
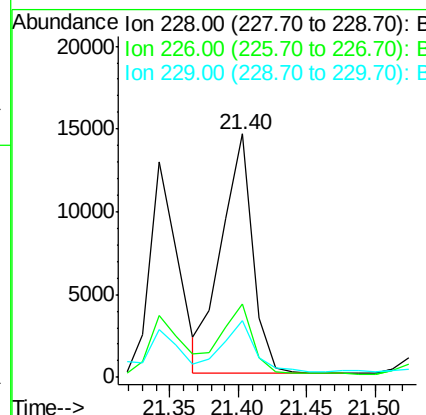
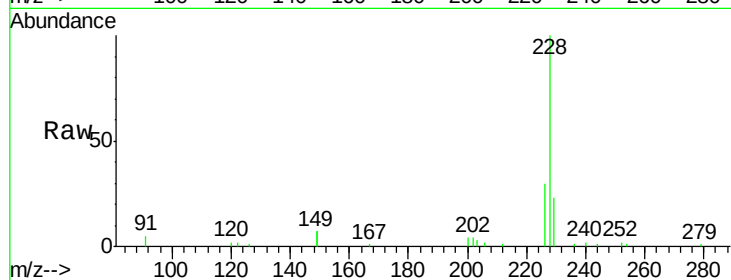
ClientSampleId :

PST-023-SW027-042319

Tgt Ion:	228	Resp:	22754
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.0	36.0
229	23.1	15.8	23.8

Manual Integrations
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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.063 ng

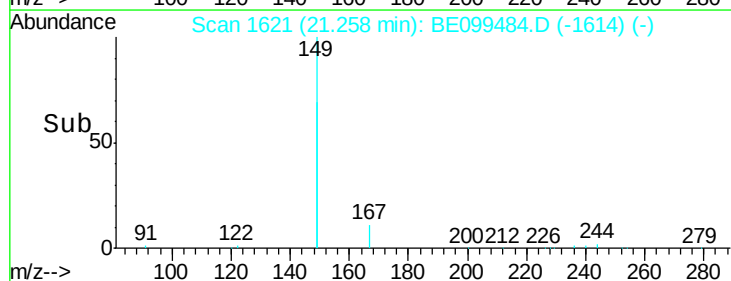
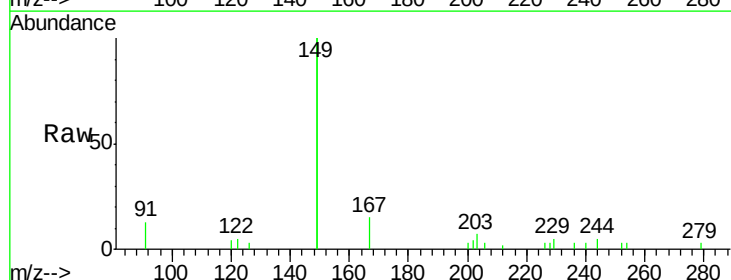
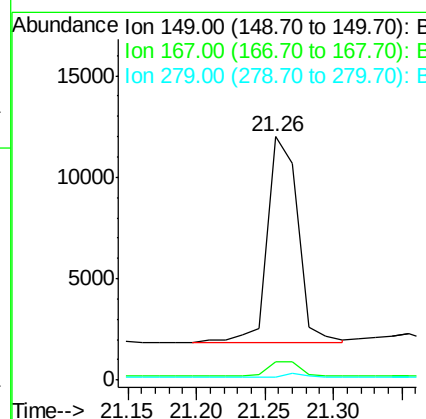
RT: 21.26 min Scan# 1621

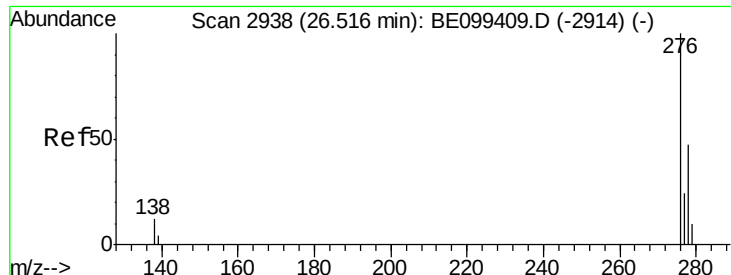
Delta R.T. -0.01 min

Lab File: BE099484.D

Acq: 2 May 2019 4:00

Tgt Ion:	149	Resp:	15537
Ion Ratio	Lower	Upper	
149	100		
167	7.0	5.8	8.6
279	1.7	1.0	1.6#





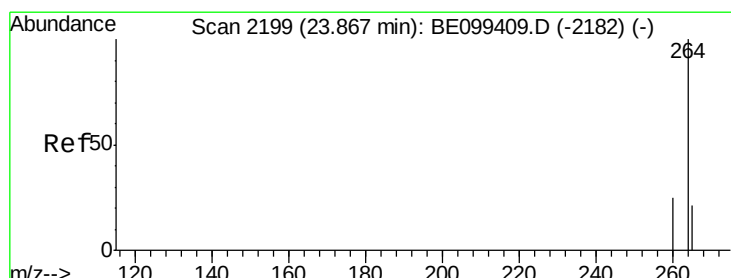
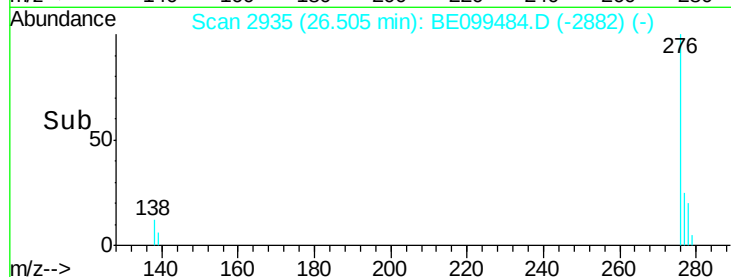
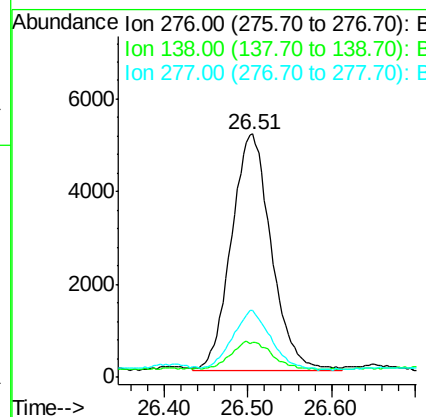
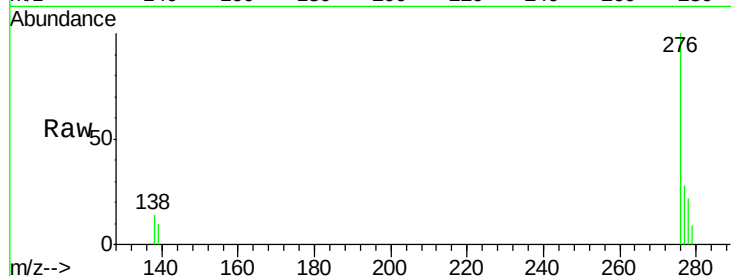
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.179 ng
 RT: 26.51 min Scan# 2935
 Delta R.T. -0.01 min
 Lab File: BE099484.D
 Acq: 2 May 2019 4:00

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW027-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	5.7	10.2	15.2#
277	24.4	19.2	28.8

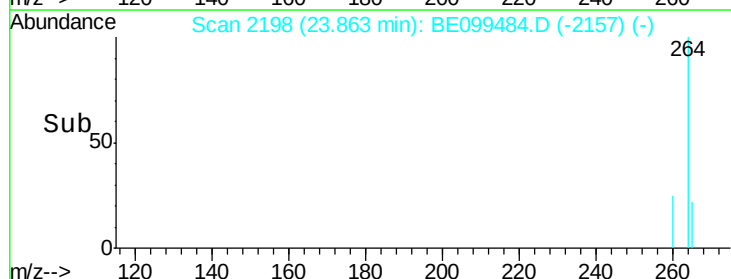
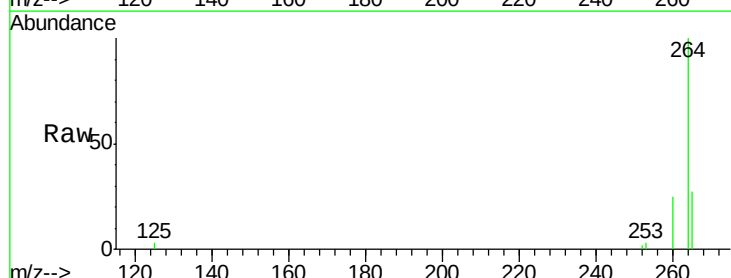
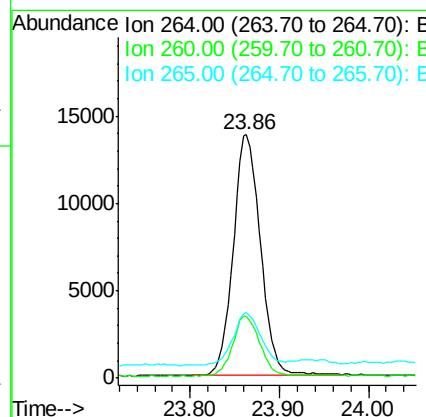
Manual Integrations
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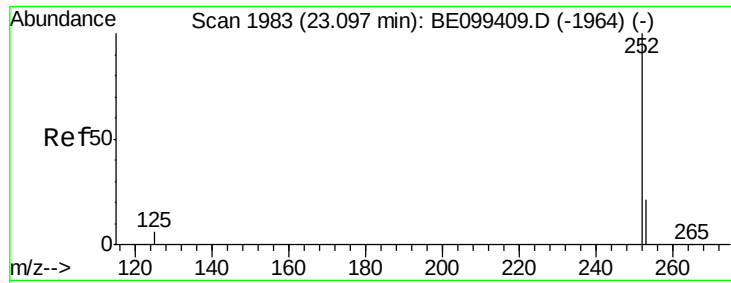
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BE099484.D
 Acq: 2 May 2019 4:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.3	20.2	30.2
265	26.9	21.3	31.9





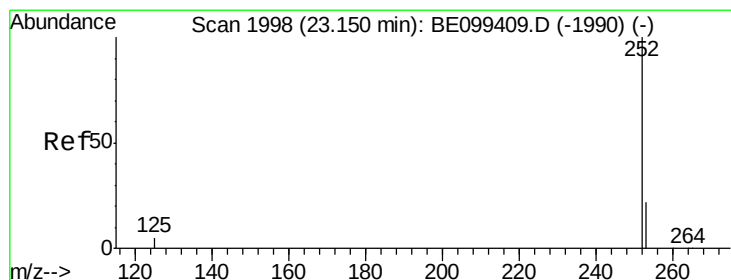
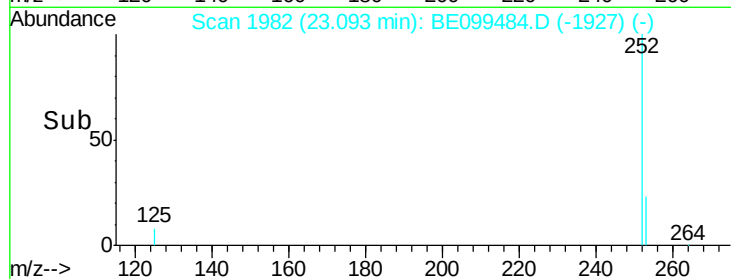
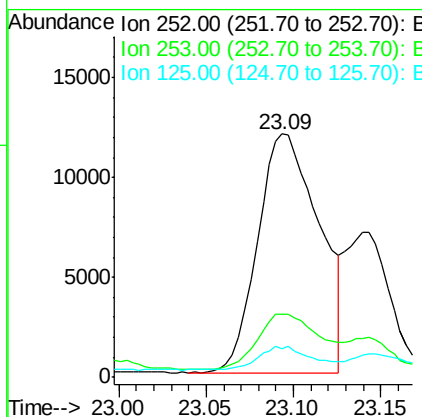
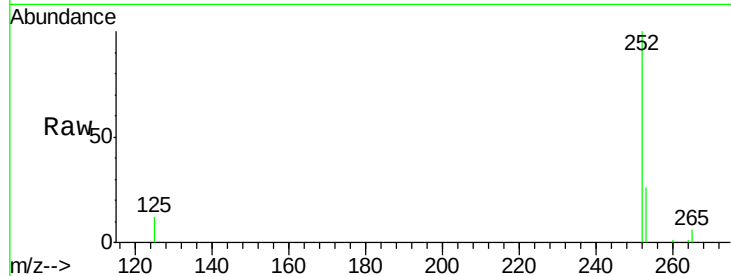
#35
Benzo(b)fluoranthene
Concen: 0.343 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE099484.D
Acq: 2 May 2019 4:00

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.1	27.1
125	11.7	5.6	8.4#

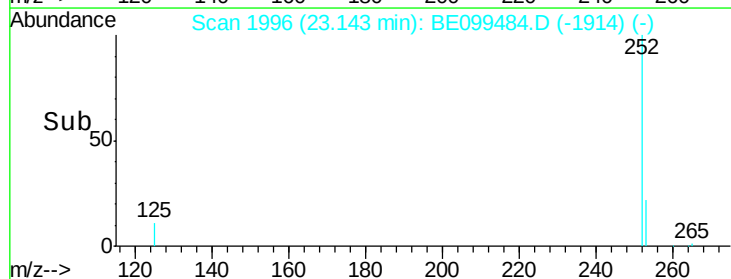
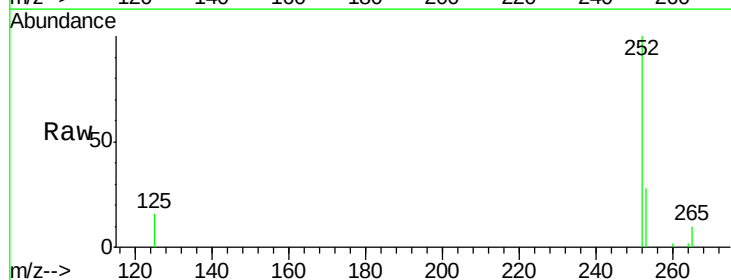
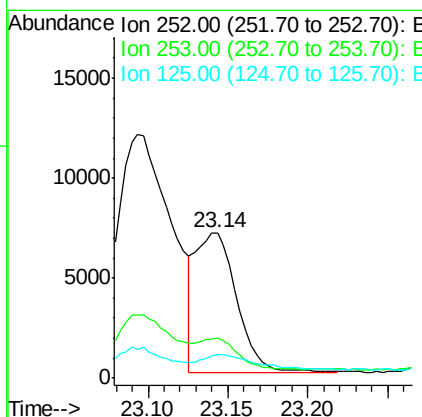
Manual Integrations
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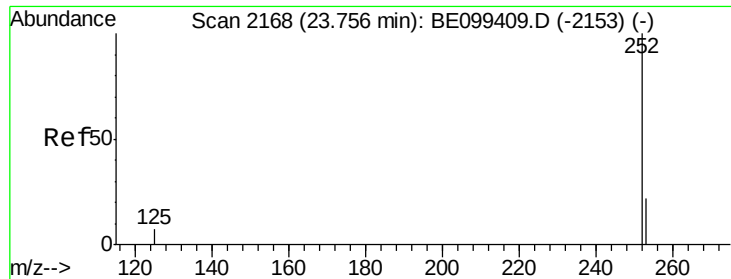
Sohil
5/2/2019 4:47:57 PM



#36
Benzo(k)fluoranthene
Concen: 0.152 ng m
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099484.D
Acq: 2 May 2019 4:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.4	27.6
125	16.2	5.0	7.4#





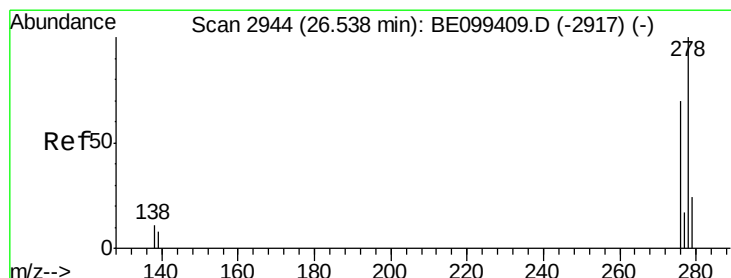
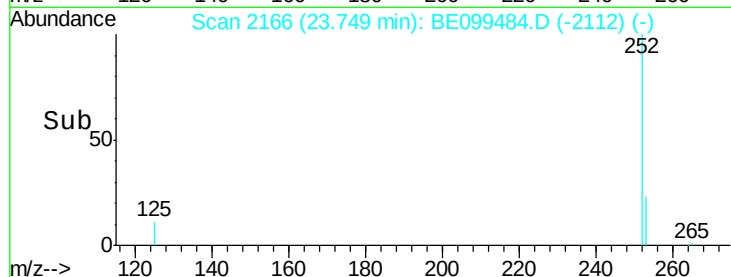
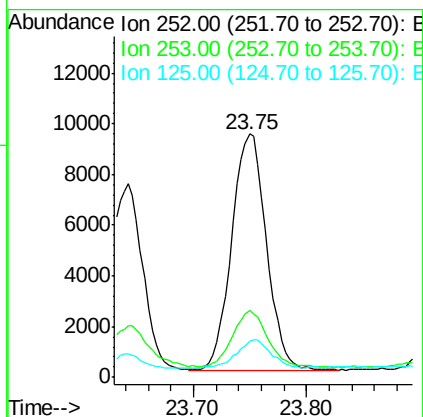
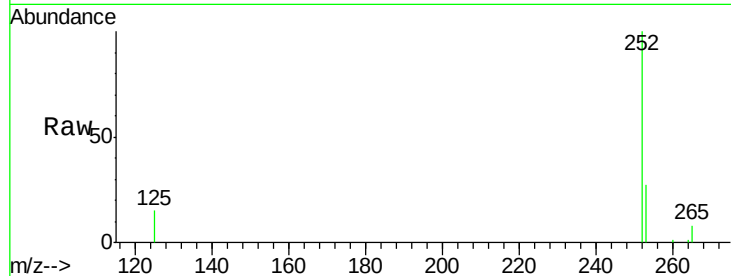
#37
Benzo(a)pyrene
Concen: 0.247 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BE099484.D
Acq: 2 May 2019 4:00

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.9	28.3
125	14.9	6.7	10.1

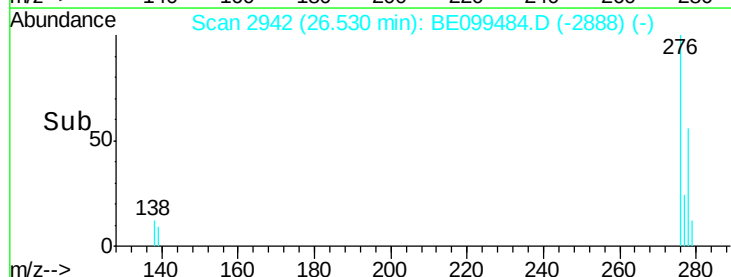
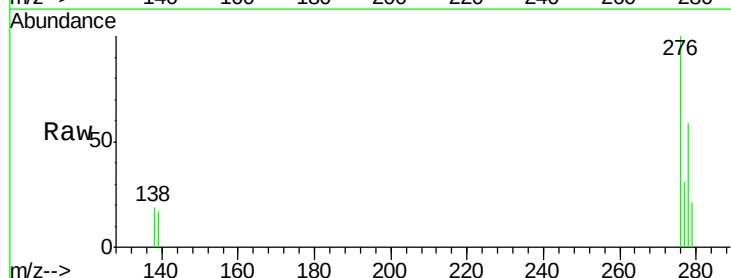
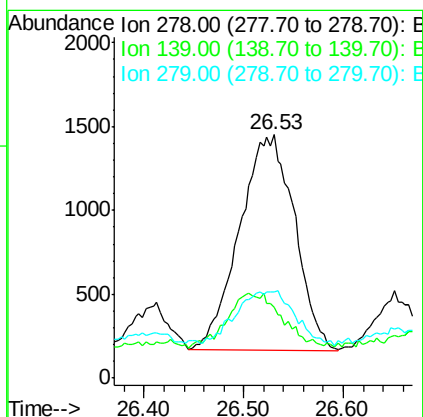
Manual Integrations
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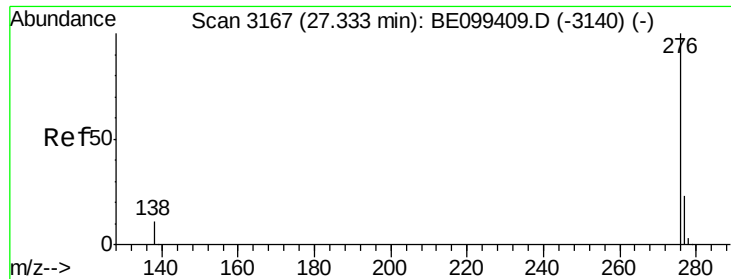
Sohil
5/2/2019 4:47:57 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.060 ng
RT: 26.53 min Scan# 2942
Delta R.T. -0.01 min
Lab File: BE099484.D
Acq: 2 May 2019 4:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.9	7.7	11.5
279	35.3	20.2	30.2





#39

Benzo(g,h,i)perylene

Concen: 0.198 ng

RT: 27.33 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BE099484.D

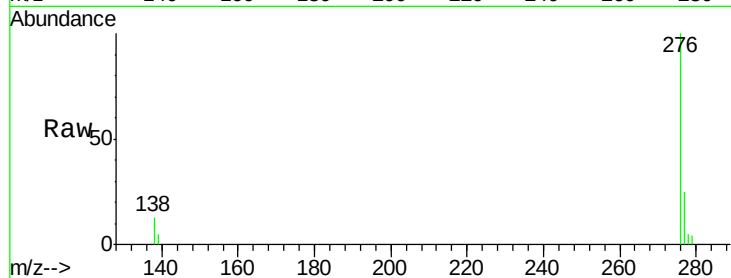
Acq: 2 May 2019 4:00

Instrument :

BNA_E

ClientSampleId :

PST-023-SW027-042319



Tgt Ion:	276	Resp:	16353
Ion Ratio	Lower	Upper	
276	100		
277	25.3	19.5	29.3
138	13.3	9.6	14.4

Manual Integrations
APPROVED

Sohil
5/2/2019 4:47:57 PM

