

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
 Data File : BE099513.D
 Acq On : 3 May 2019 3:45
 Operator : JU/SJ
 Sample : K2588-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B012-042519

Manual Integrations
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Sohil
 5/3/2019 4:24:06 PM

Quant Time: May 03 08:16:23 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	2194	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	7799	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6044	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	19426	0.40	ng	0.00
27) Chrysene-d12	21.37	240	24990	0.40	ng	0.00
34) Perylene-d12	23.87	264	28719	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.38	112	3168	0.52	ng	0.00
5) Phenol-d6	6.96	99	4328	0.54	ng	-0.01
8) Nitrobenzene-d5	8.96	82	3668	0.50	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	6588	0.47	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	2294	0.60	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	10218	0.44	ng	-0.02
25) Fluoranthene-d10	19.22	212	117414	0.45	ng	0.00
29) Terphenyl-d14	19.82	244	23797	0.52	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	3031	0.036	ng	# 93
12) 2-Methylnaphthalene	12.27	142	342	0.023	ng	# 87
16) Acenaphthylene	14.18	152	1741	0.059	ng	95
18) Fluorene	15.49	166	715	0.029	ng	# 94
23) Phenanthrene	17.23	178	23410	0.467	ng	99
24) Anthracene	17.32	178	2395	0.050	ng	# 87
26) Fluoranthene	19.25	202	69049	0.920	ng	99
28) Pyrene	19.61	202	67299	1.033	ng	# 96
30) Benzo(a)anthracene	21.35	228	43894	0.551	ng	96
31) Chrysene	21.40	228	41243	0.529	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	44541	0.325	ng	100
33) Indeno(1,2,3-cd)pyrene	26.52	276	25494	0.277	ng	98
35) Benzo(b)fluoranthene	23.10	252	53864	0.650	ng	# 92
36) Benzo(k)fluoranthene	23.15	252	18025m	0.226	ng	
37) Benzo(a)pyrene	23.76	252	36760	0.470	ng	# 96
38) Dibenzo(a,h)anthracene	26.53	278	6703	0.084	ng	# 75
39) Benzo(g,h,i)perylene	27.33	276	25159	0.314	ng	98

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

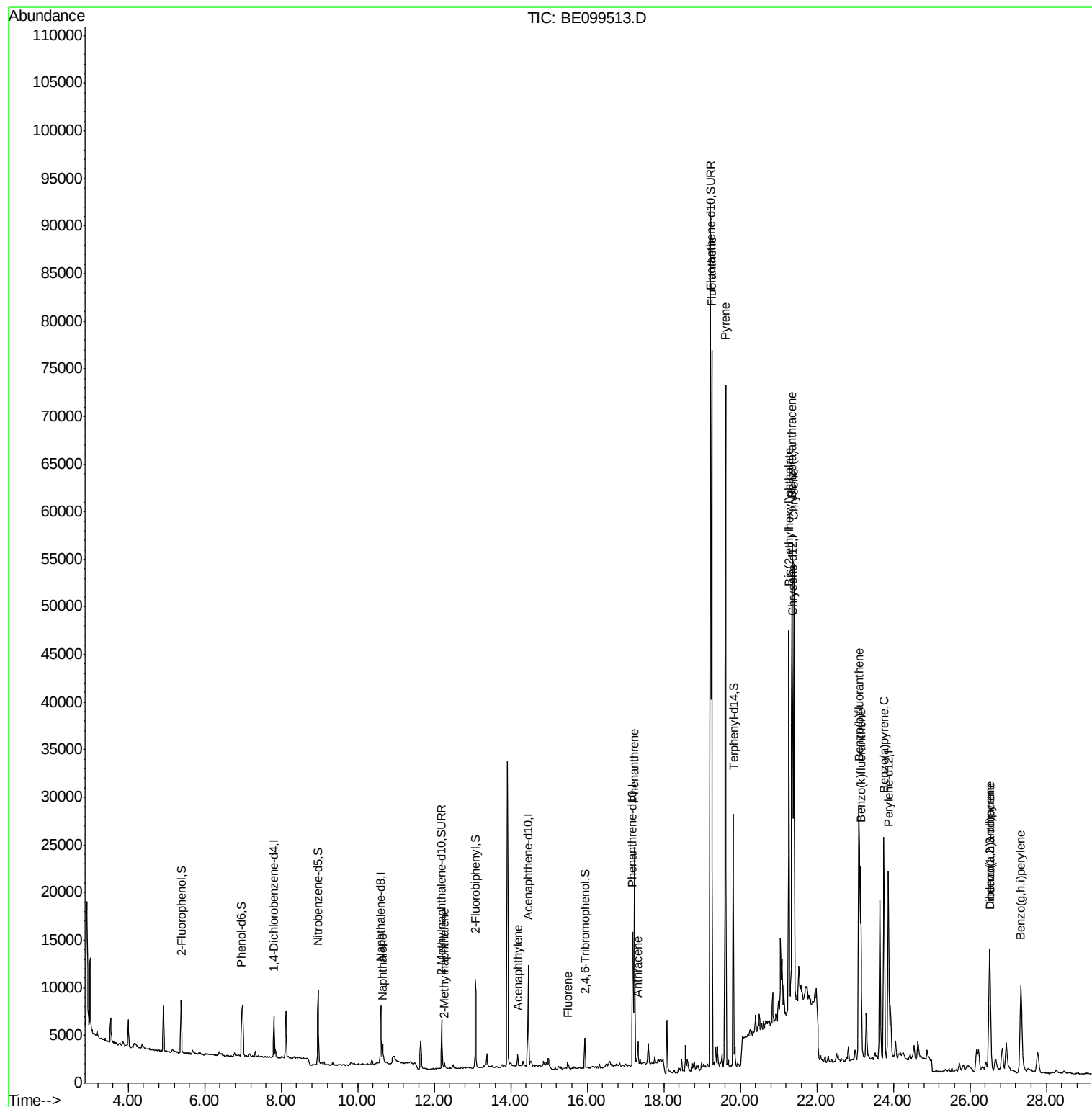
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
Data File : BE099513.D
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099513.D

Acq: 3 May 2019 3:45

Instrument :

BNA_E

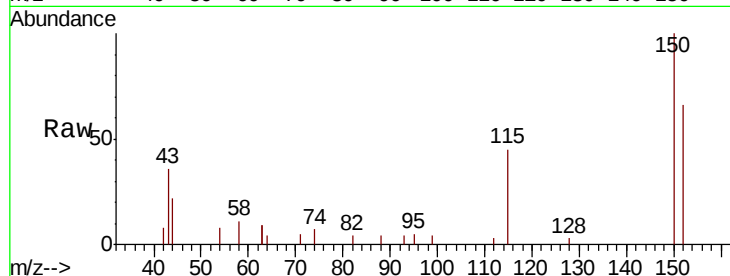
ClientSampleId :

PST-001-B012-042519

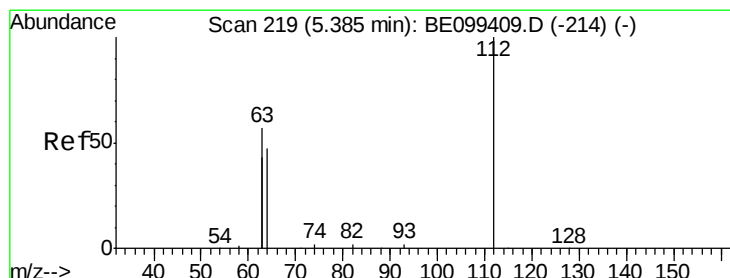
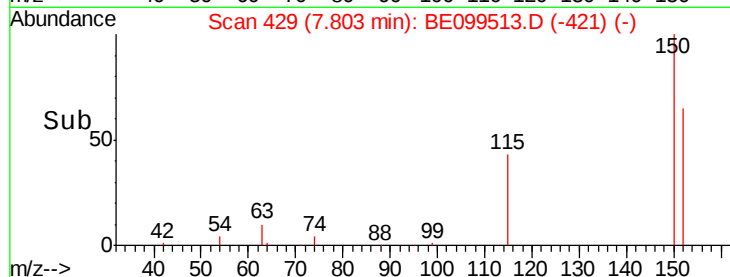
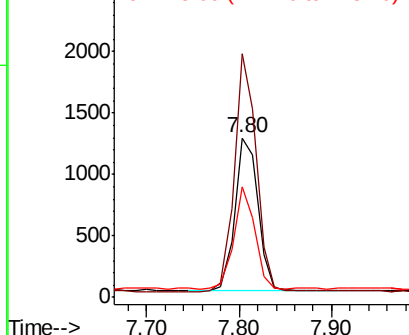
Tgt Ion:	152	Resp:	2194
Ion Ratio	Lower	Upper	
152	100		
150	152.3	104.8	157.2
115	69.0	46.6	69.8

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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: 0.522 ng

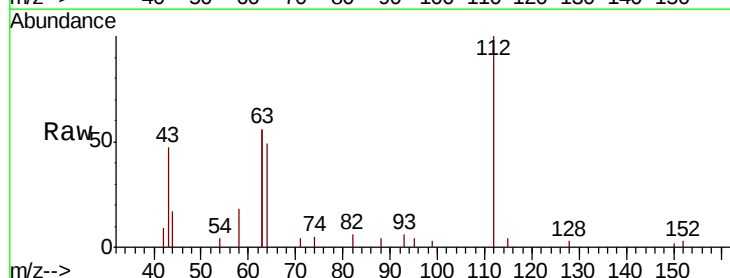
RT: 5.38 min Scan# 219

Delta R.T. -0.00 min

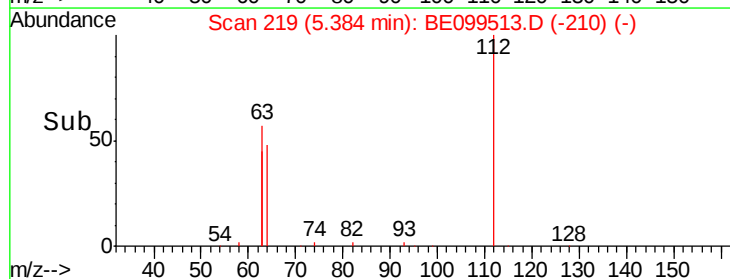
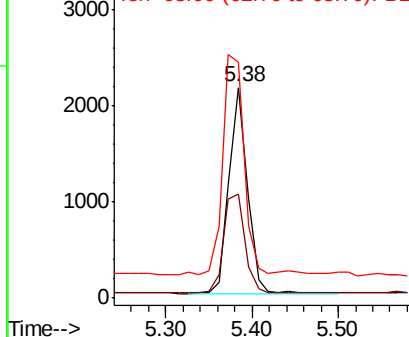
Lab File: BE099513.D

Acq: 3 May 2019 3:45

Tgt Ion:	112	Resp:	3168
Ion Ratio	Lower	Upper	
112	100		
64	55.5	47.4	71.0
63	125.0	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: 0.536 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099513.D

Acq: 3 May 2019 3:45

Instrument :

BNA_E

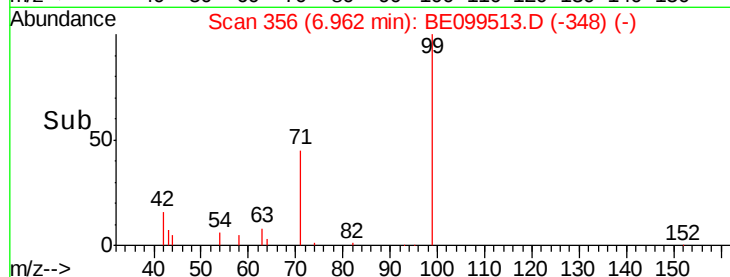
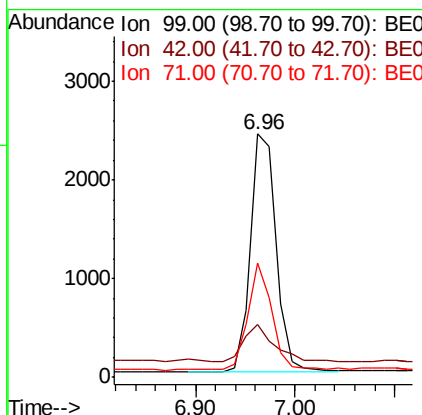
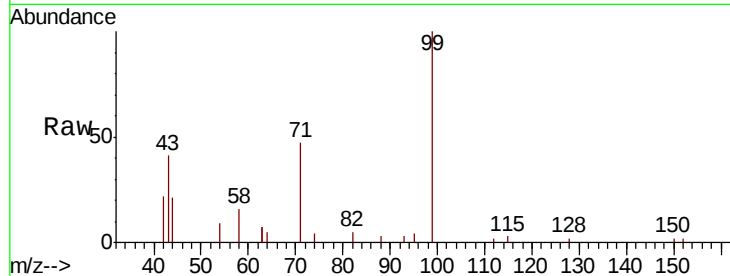
ClientSampleId :

PST-001-B012-042519

Tgt Ion:	99	Resp:	4328
Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.9	22.3
71	41.6	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

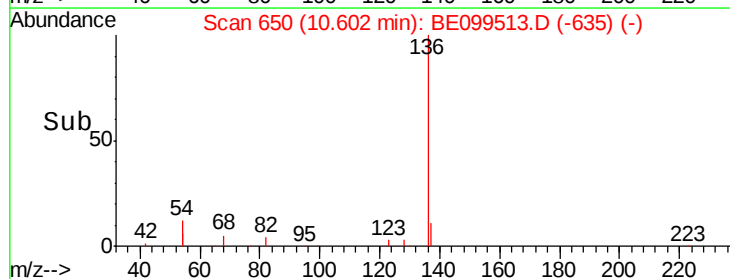
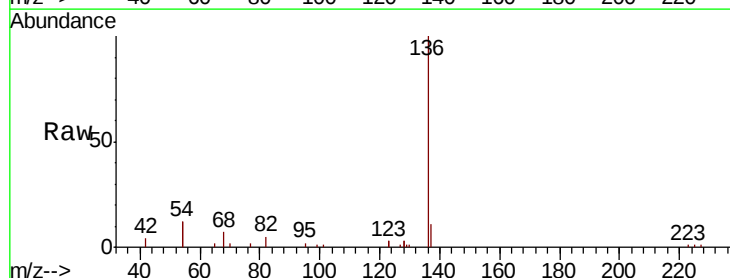
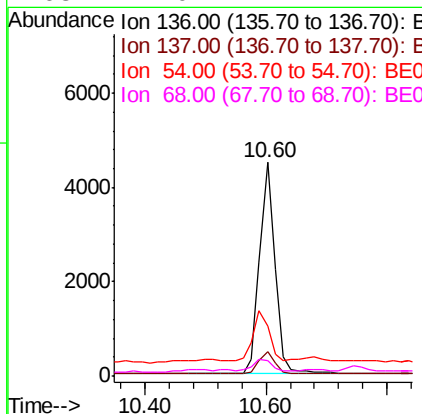
RT: 10.60 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099513.D

Acq: 3 May 2019 3:45

Tgt Ion:	136	Resp:	7799
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.8	14.8
54	23.3	18.5	27.7
68	7.0	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.502 ng

RT: 8.96 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099513.D

Acq: 3 May 2019 3:45

Instrument :

BNA_E

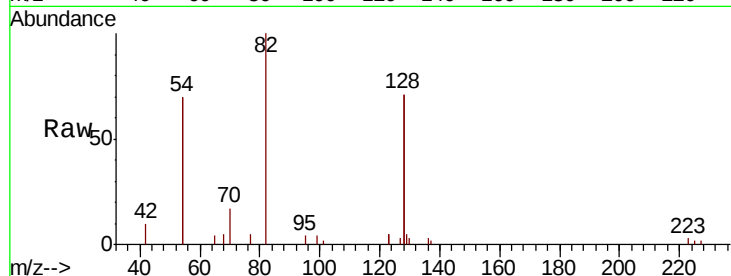
ClientSampleId :

PST-001-B012-042519

Tgt Ion:	82	Resp:	3668
Ion Ratio	Lower	Upper	
82	100		
128	142.8	107.0	160.4
54	139.6	113.1	169.7

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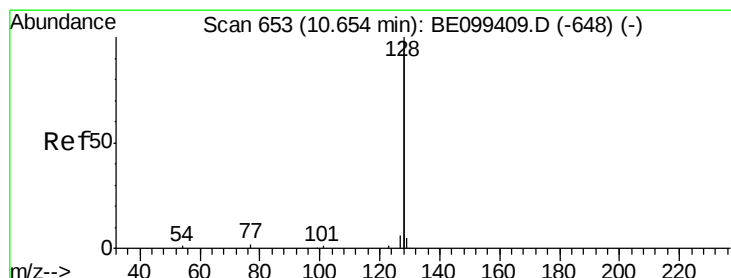
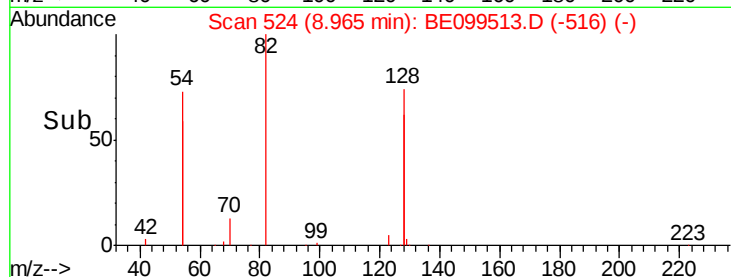
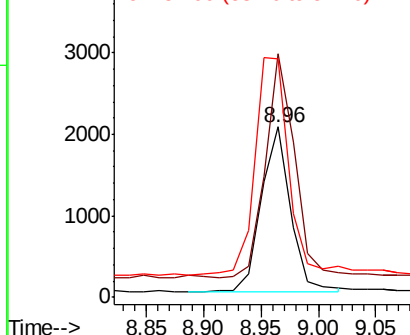


Abundance

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: 0.036 ng

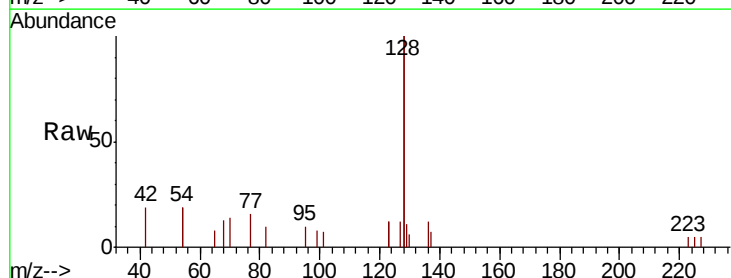
RT: 10.65 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099513.D

Acq: 3 May 2019 3:45

Tgt Ion:	128	Resp:	3031
Ion Ratio	Lower	Upper	
128	100		
129	5.5	2.4	3.6#
127	5.8	2.8	4.2#

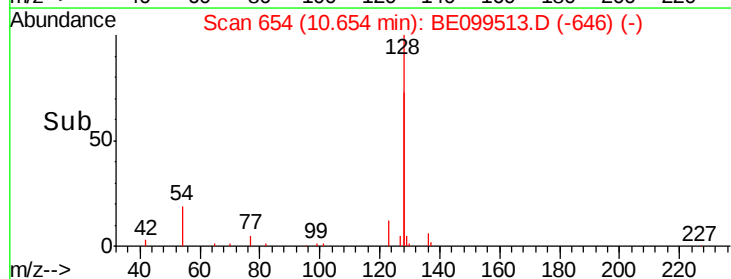
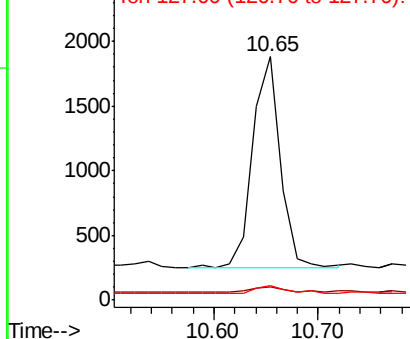


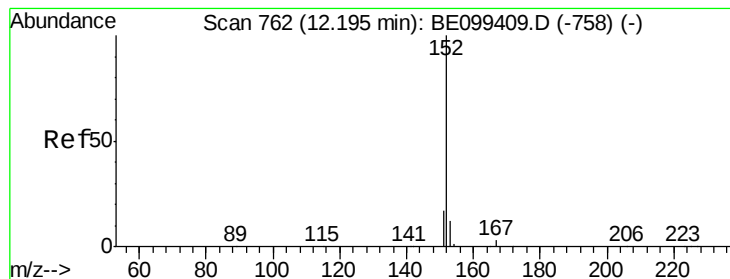
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.469 ng

RT: 12.19 min Scan# 763

Delta R.T. -0.00 min

Lab File: BE099513.D

Acq: 3 May 2019 3:45

Instrument :

BNA_E

ClientSampleId :

PST-001-B012-042519

Tgt Ion:152 Resp: 6588

Ion Ratio Lower Upper

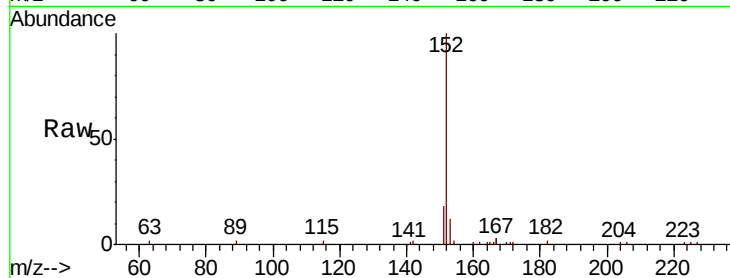
152 100

151 18.3 15.5 23.3

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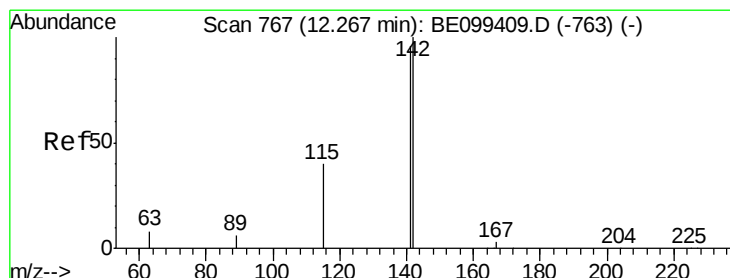
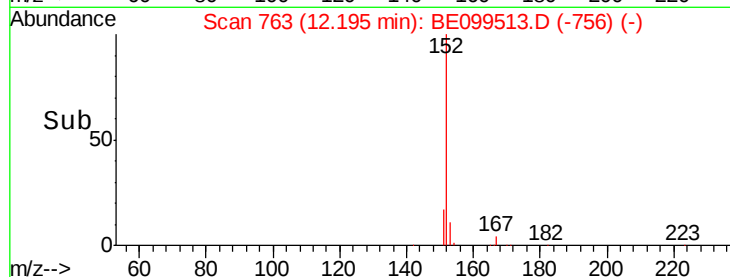
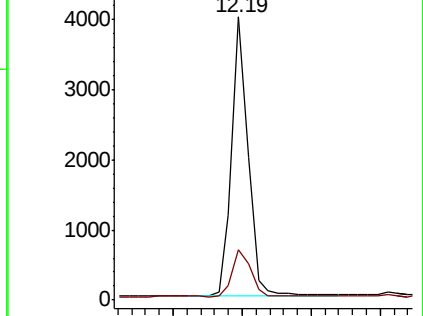
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.023 ng

RT: 12.27 min Scan# 768

Delta R.T. -0.00 min

Lab File: BE099513.D

Acq: 3 May 2019 3:45

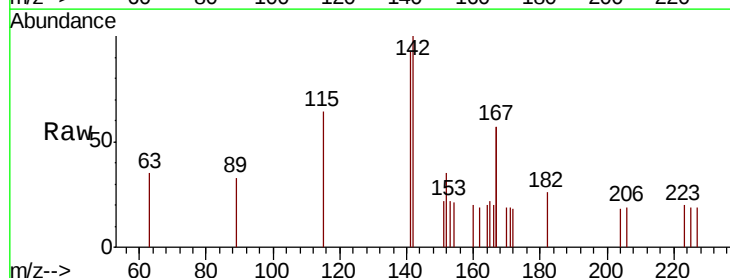
Tgt Ion:142 Resp: 342

Ion Ratio Lower Upper

142 100

141 93.4 77.0 115.4

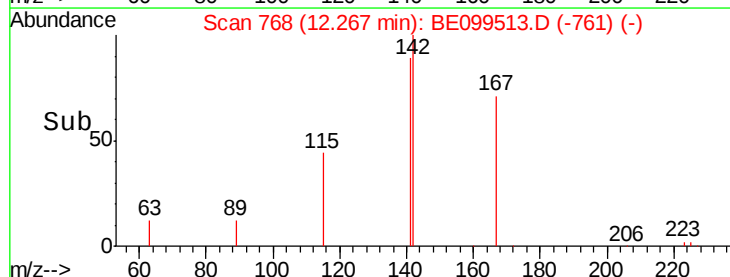
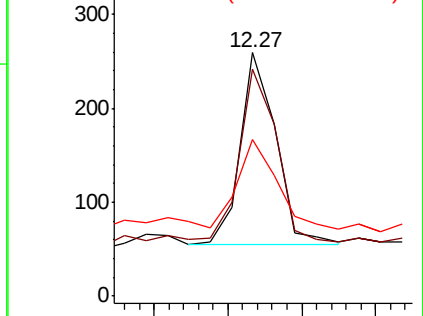
115 64.5 33.4 50.0#

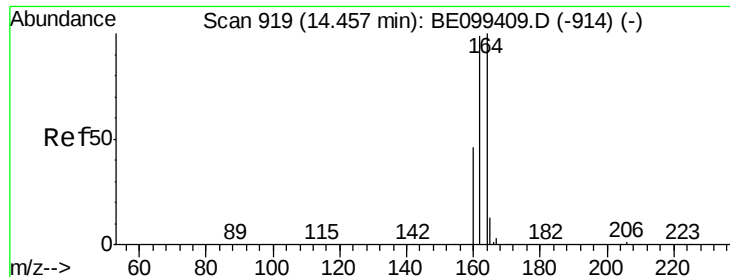


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





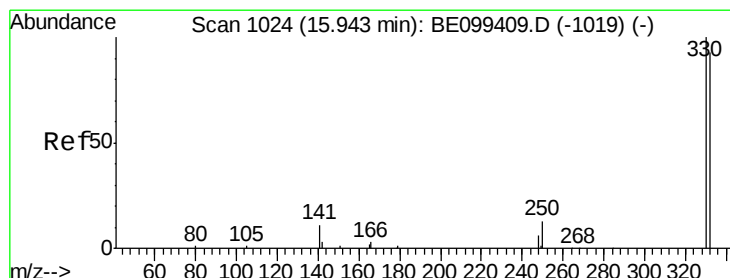
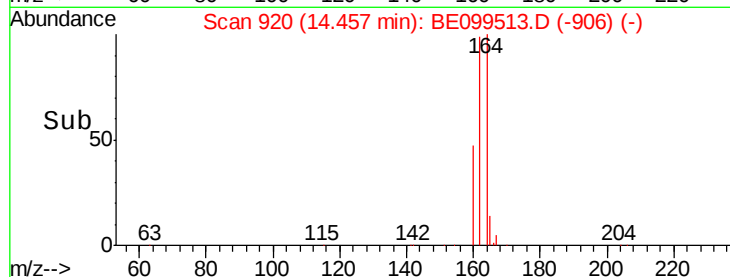
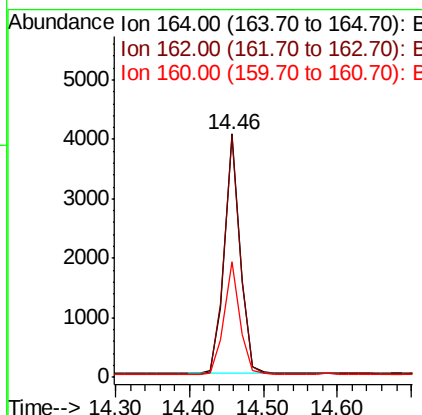
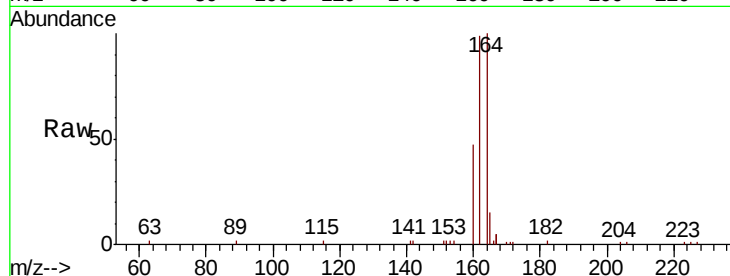
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE099513.D
Acq: 3 May 2019 3:45

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ClientSampleId :
PST-001-B012-042519

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.0	118.4
160	47.5	37.0	55.4

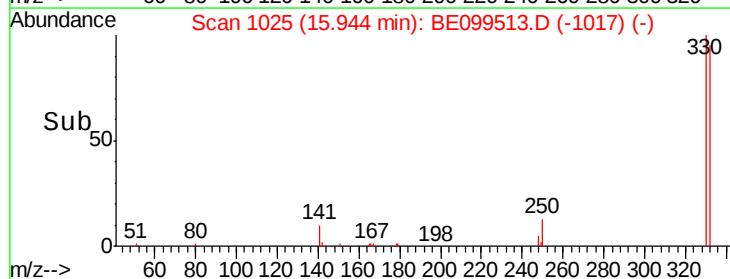
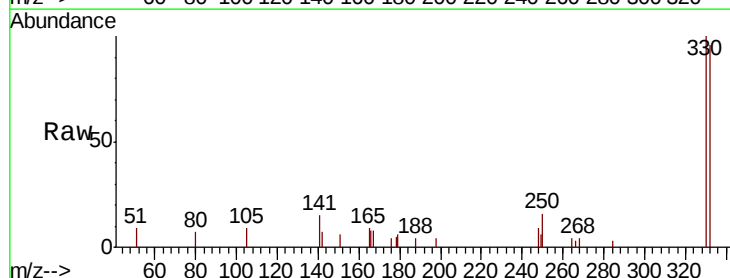
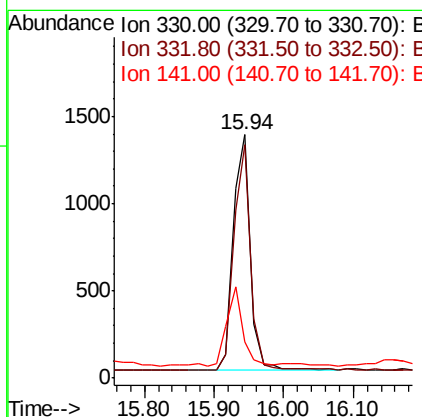
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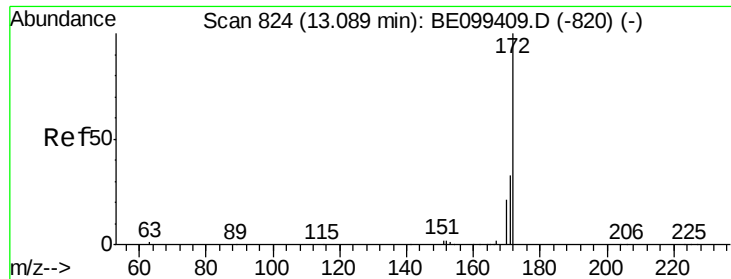
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#14
2,4,6-Tribromophenol
Concen: 0.603 ng
RT: 15.94 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099513.D
Acq: 3 May 2019 3:45

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	71.5	107.3
141	30.2	24.0	36.0





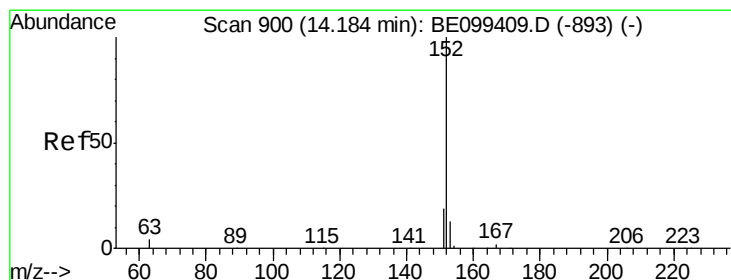
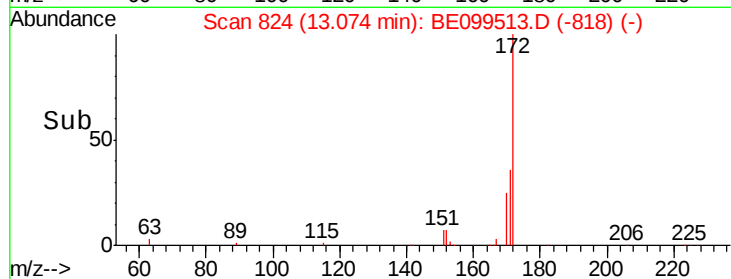
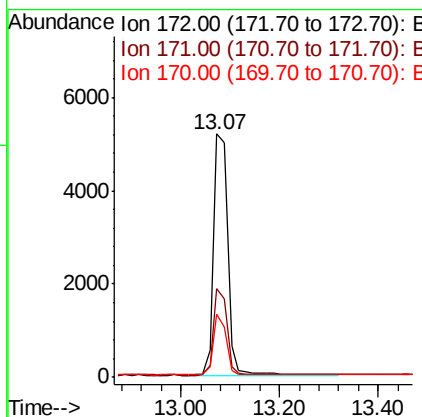
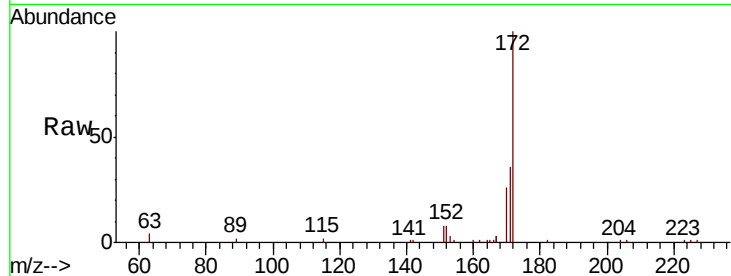
#15
2-Fluorobiphenyl
Concen: 0.443 ng
RT: 13.07 min Scan# 824
Delta R.T. -0.02 min
Lab File: BE099513.D
Acq: 3 May 2019 3:45

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ClientSampleId :
PST-001-B012-042519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	26.6	39.8
170	25.8	17.0	25.6

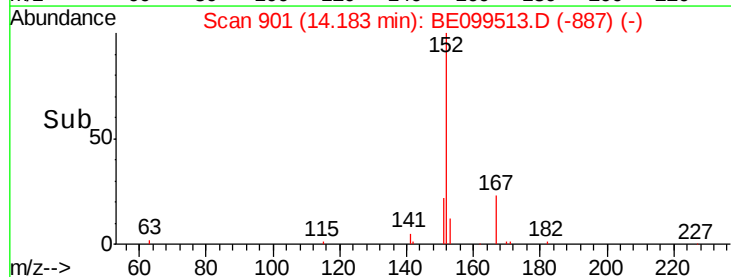
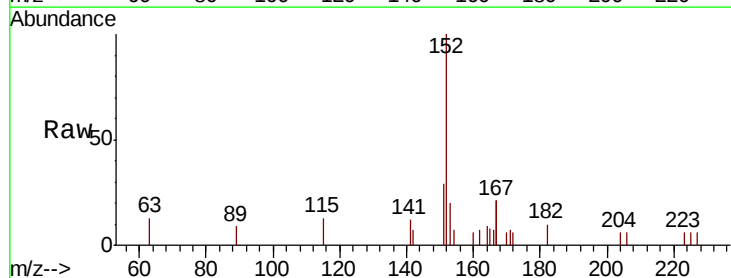
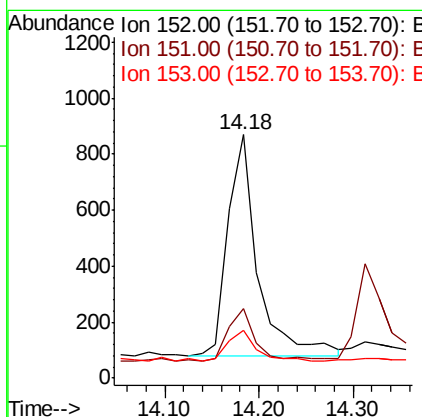
Manual Integrations
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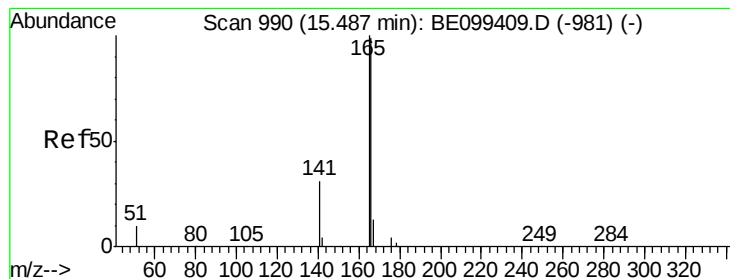
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#16
Acenaphthylene
Concen: 0.059 ng
RT: 14.18 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE099513.D
Acq: 3 May 2019 3:45

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.8	15.4	23.2
153	13.8	9.8	14.6





#18

Fluorene

Concen: 0.029 ng

RT: 15.49 min Scan# 991

Delta R.T. 0.00 min

Lab File: BE099513.D

Acq: 3 May 2019 3:45

Instrument :

BNA_E

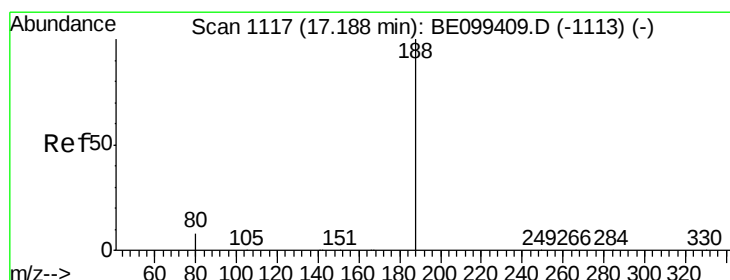
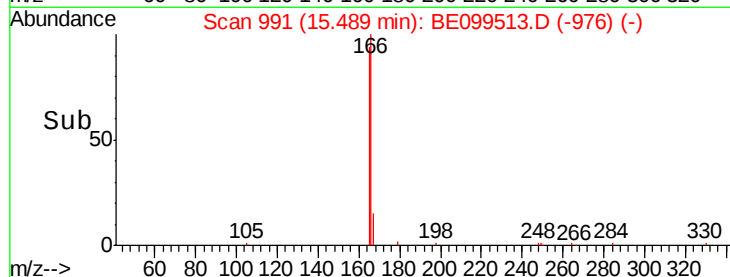
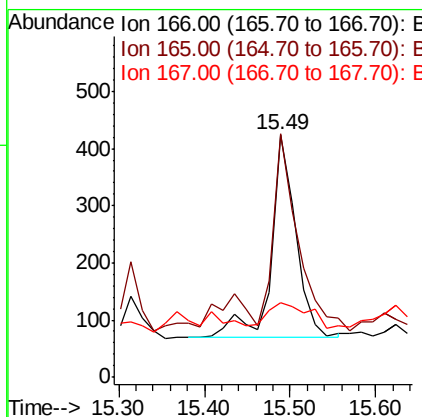
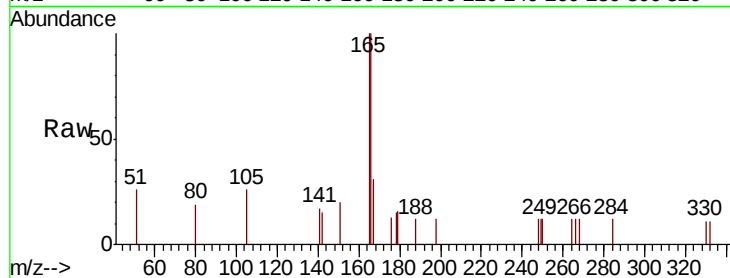
ClientSampleId :

PST-001-B012-042519

Tgt Ion:	166	Resp:	715
Ion Ratio	Lower	Upper	
166	100		
165	96.5	80.3	120.5
167	21.4	10.7	16.1#

Manual Integrations
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#19

Phenanthrene-d10

Concen: 0.400 ng

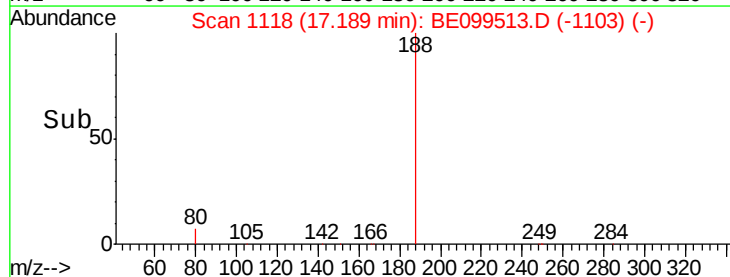
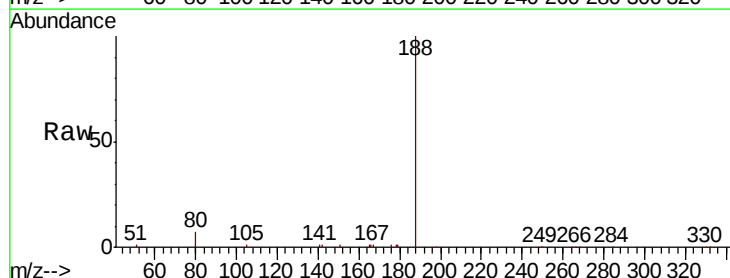
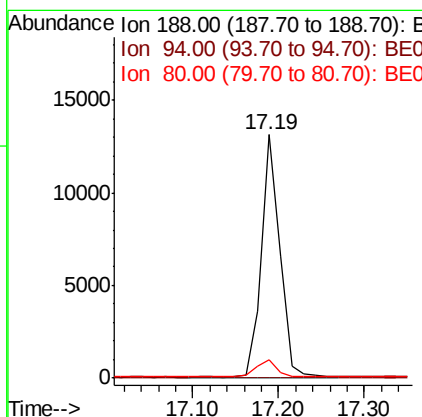
RT: 17.19 min Scan# 1118

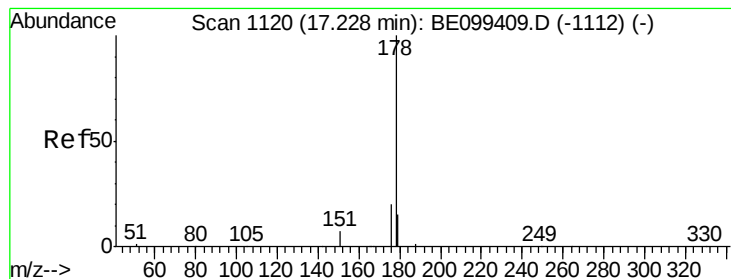
Delta R.T. 0.00 min

Lab File: BE099513.D

Acq: 3 May 2019 3:45

Tgt Ion:	188	Resp:	19426
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.5	6.7	10.1





#23

Phenanthrene

Concen: 0.467 ng

RT: 17.23 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE099513.D

Acq: 3 May 2019 3:45

Instrument :

BNA_E

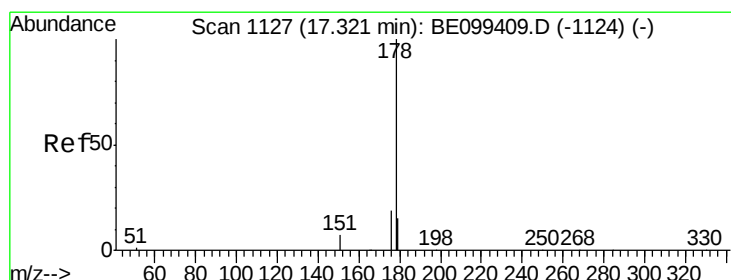
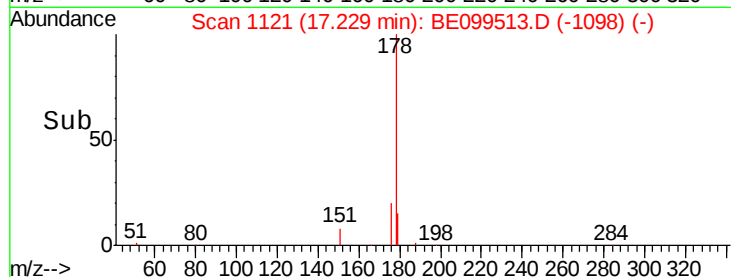
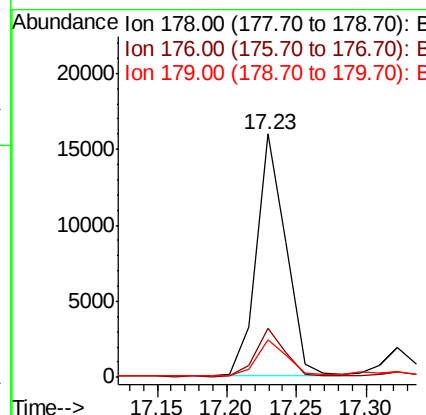
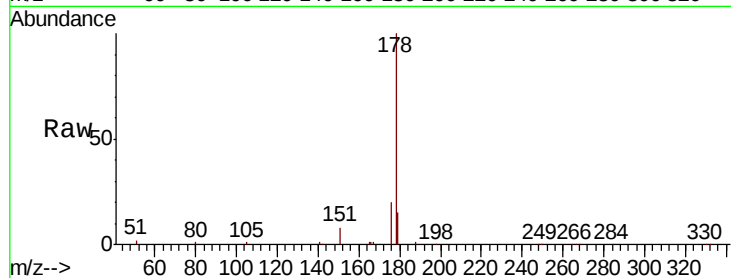
ClientSampleId :

PST-001-B012-042519

Tgt Ion:	178	Resp:	23410
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.6	23.4
179	15.7	12.0	18.0

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#24

Anthracene

Concen: 0.050 ng

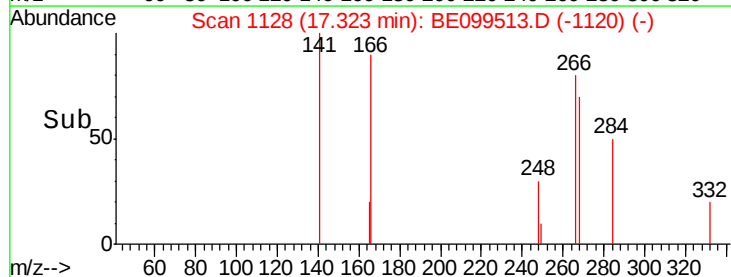
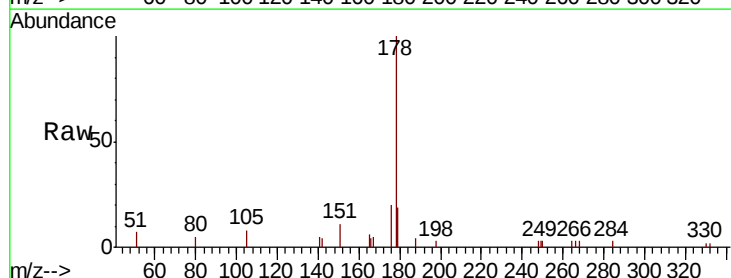
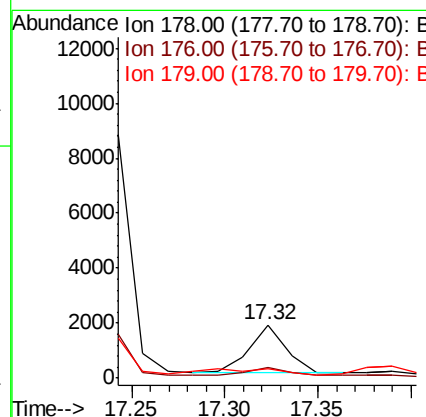
RT: 17.32 min Scan# 1128

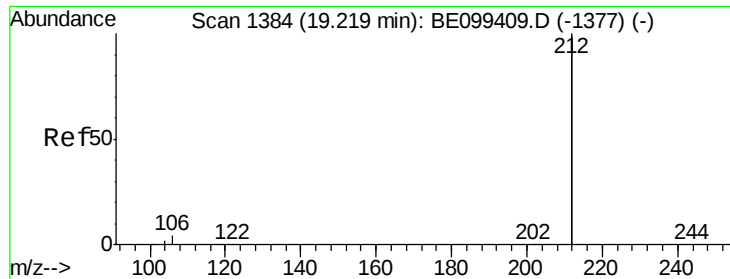
Delta R.T. 0.00 min

Lab File: BE099513.D

Acq: 3 May 2019 3:45

Tgt Ion:	178	Resp:	2395
Ion Ratio	Lower	Upper	
178	100		
176	19.5	14.9	22.3
179	25.8	11.9	17.9#





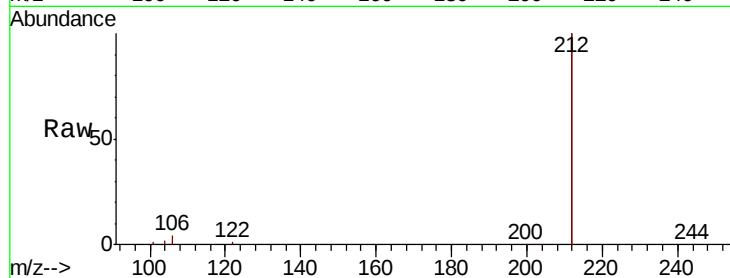
#25
 Fluoranthene-d10
 Concen: 0.448 ng
 RT: 19.22 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: BE099513.D
 Acq: 3 May 2019 3:45

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B012-042519

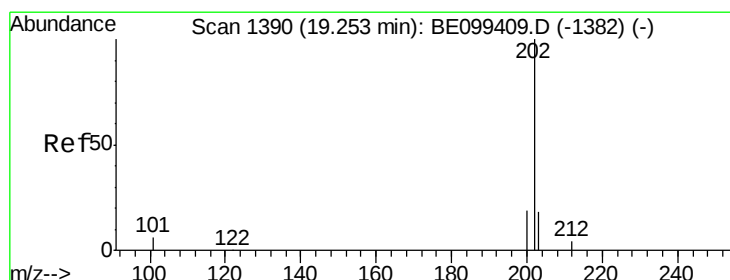
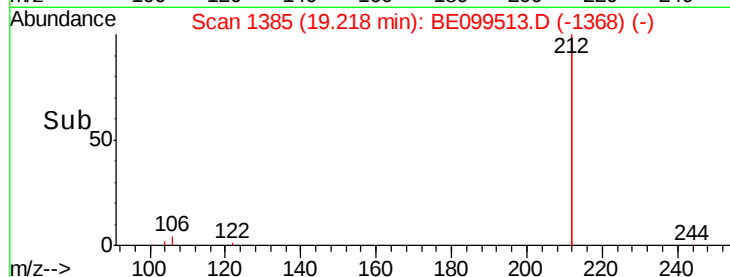
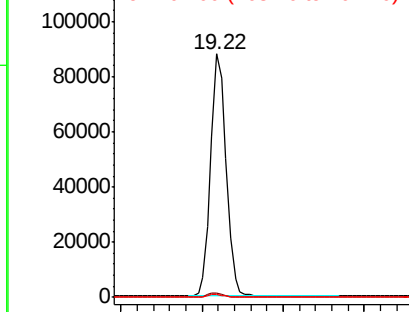
Tgt Ion	Ratio	Resp	Lower	Upper
212	100	117414		
106	1.9		1.5	2.3
104	1.1		0.9	1.3

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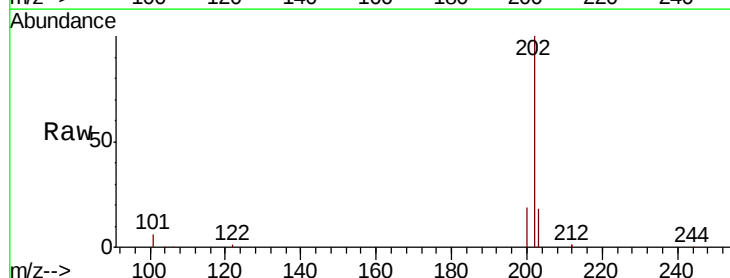


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

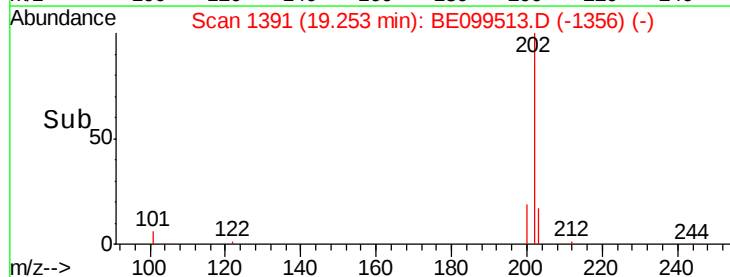
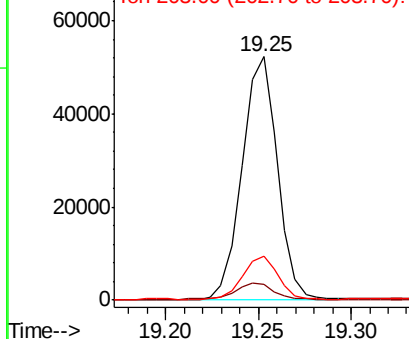


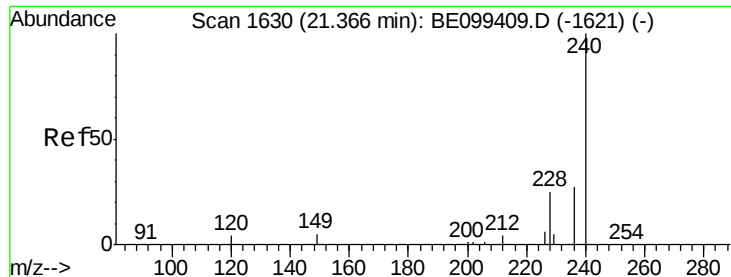
#26
 Fluoranthene
 Concen: 0.920 ng
 RT: 19.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: BE099513.D
 Acq: 3 May 2019 3:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	69049		
101	7.3		5.4	8.0
203	17.6		13.9	20.9



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.37 min Scan# 1631

Delta R.T. -0.00 min

Lab File: BE099513.D

Acq: 3 May 2019 3:45

Instrument :

BNA_E

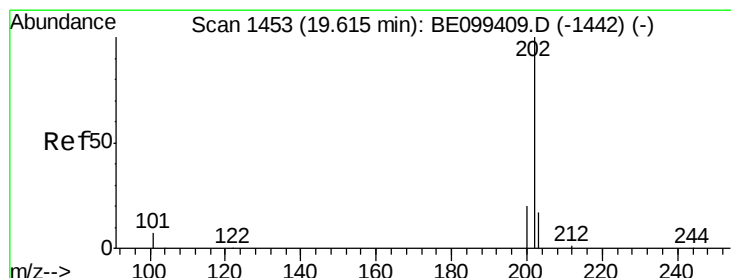
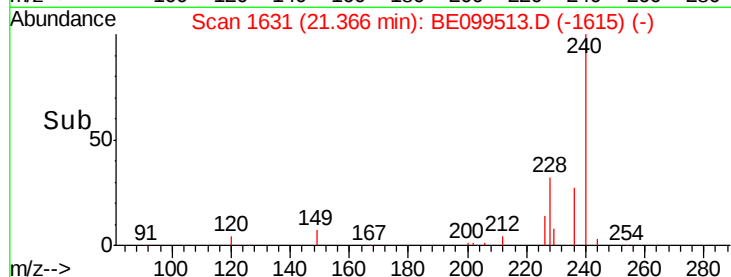
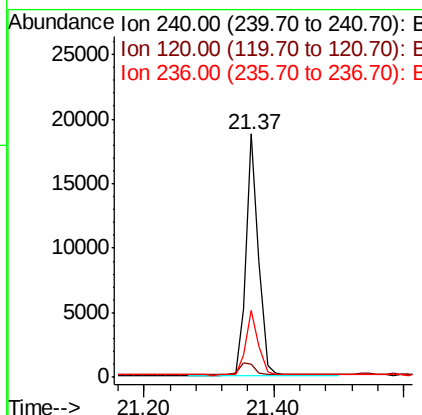
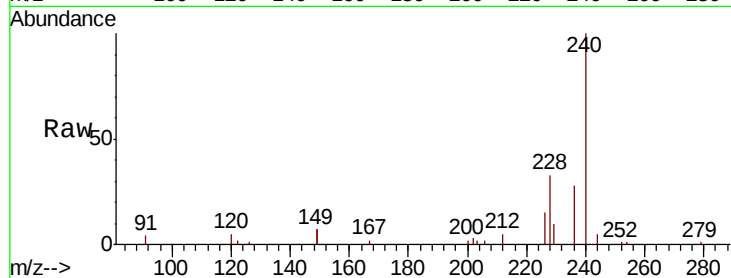
ClientSampleId :

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Tgt Ion	Ratio	Resp	Lower	Upper
240	100	24990		
120	5.2	4.0	6.0	
236	27.6	22.0	33.0	

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#28

Pyrene

Concen: 1.033 ng

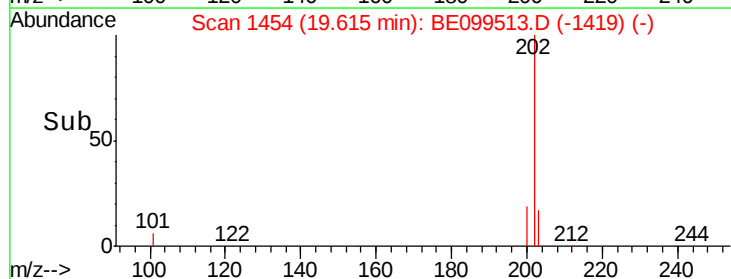
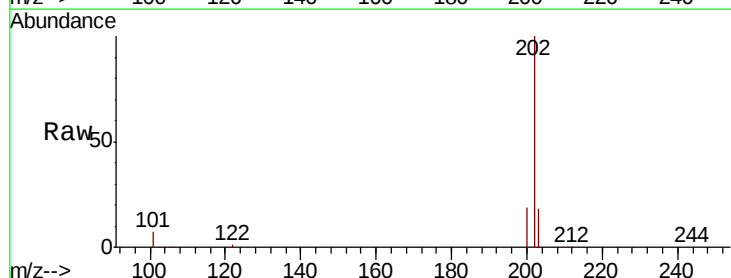
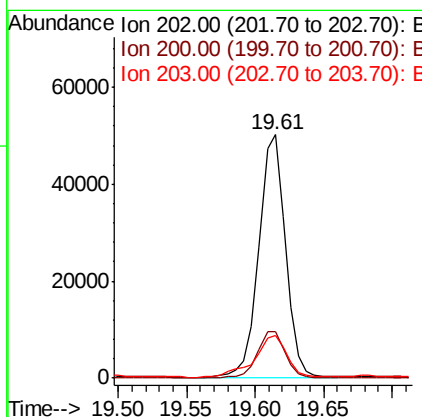
RT: 19.61 min Scan# 1454

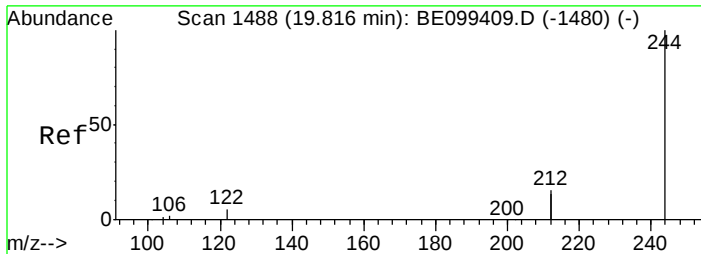
Delta R.T. -0.00 min

Lab File: BE099513.D

Acq: 3 May 2019 3:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	67299		
200	19.8	15.7	23.5	
203	21.0	13.9	20.9	





#29

Terphenyl-d14

Concen: 0.520 ng

RT: 19.82 min Scan# 1489

Delta R.T. -0.00 min

Lab File: BE099513.D

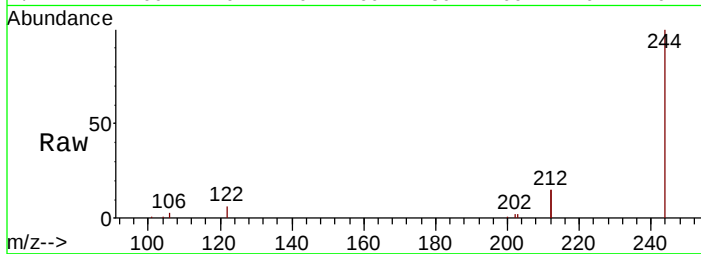
Acq: 3 May 2019 3:45

Instrument :

BNA_E

ClientSampleId :

PST-001-B012-042519



Tgt Ion:244 Resp: 23797

Ion Ratio Lower Upper

244 100

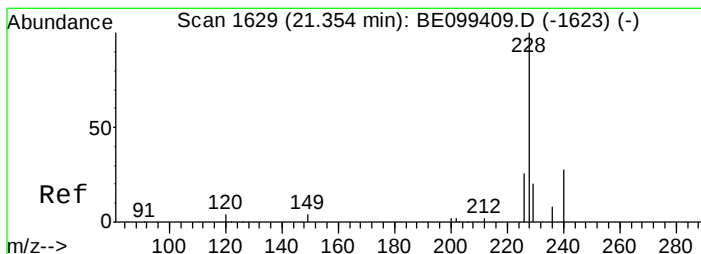
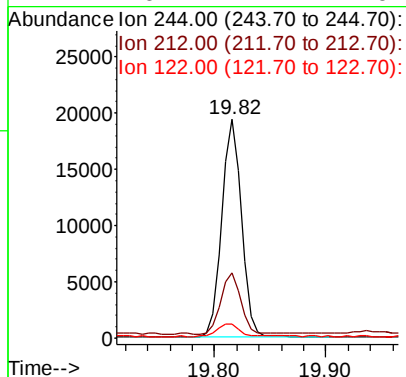
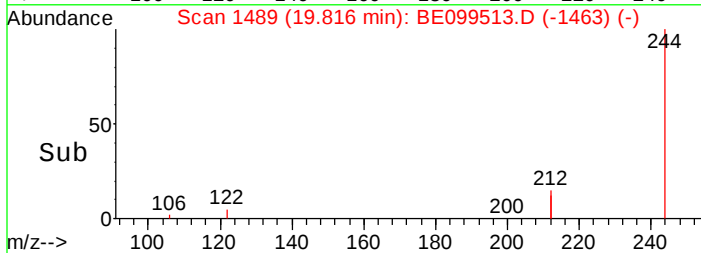
212 29.8 23.2 34.8

122 6.2 4.2 6.4

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#30

Benzo(a)anthracene

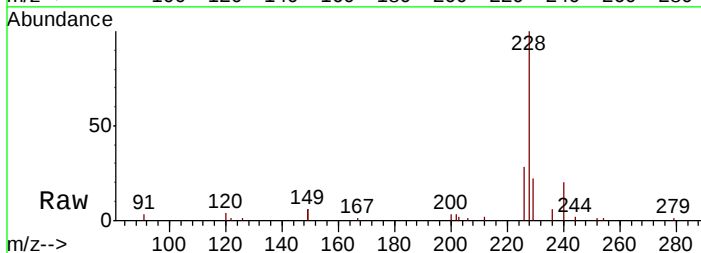
Concen: 0.551 ng

RT: 21.35 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099513.D

Acq: 3 May 2019 3:45



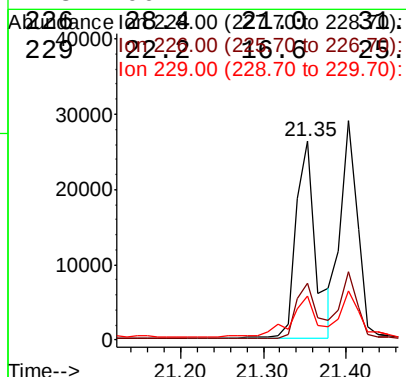
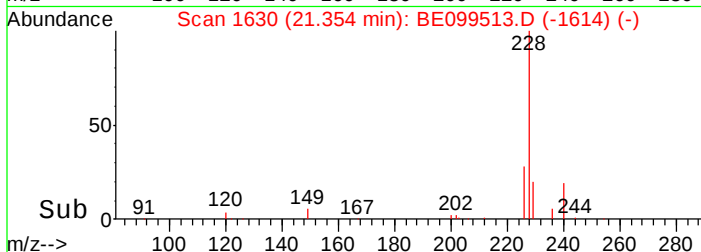
Tgt Ion:228 Resp: 43894

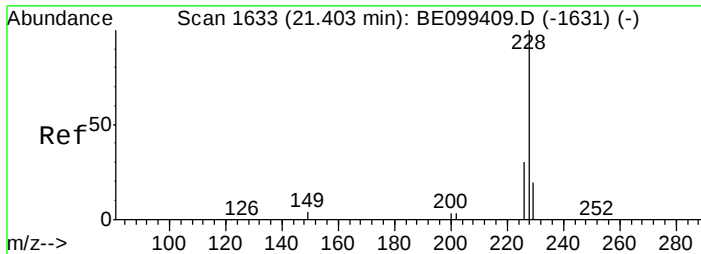
Ion Ratio Lower Upper

228 100

226 28.2 21.0 31.6

229 22.2 16.6 29.0





#31

Chrysene

Concen: 0.529 ng

RT: 21.40 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099513.D

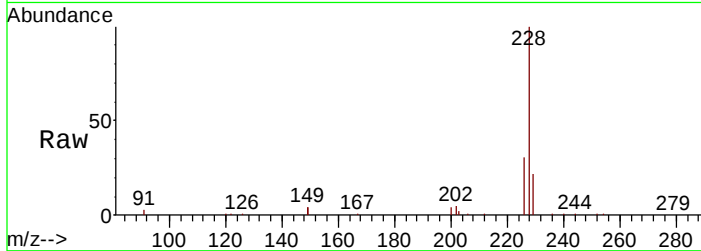
Acq: 3 May 2019 3:45

Instrument :

BNA_E

ClientSampleId :

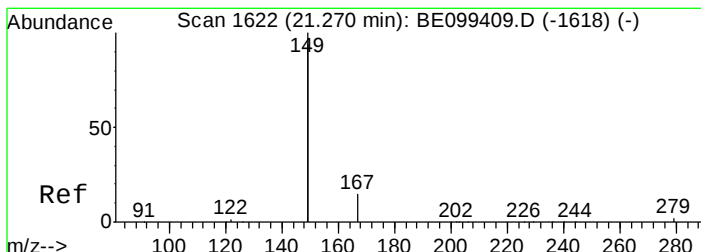
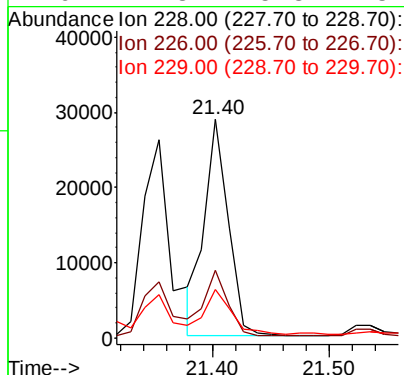
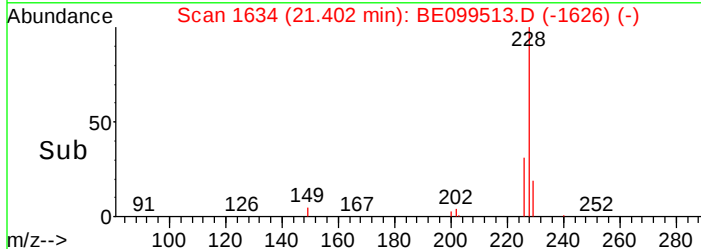
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Tgt Ion:	228	Resp:	41243
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.0	36.0
229	22.3	15.8	23.8

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#32

Bis(2-ethylhexyl)phthalate

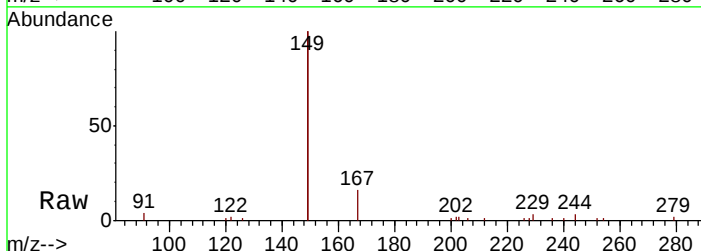
Concen: 0.325 ng

RT: 21.27 min Scan# 1623

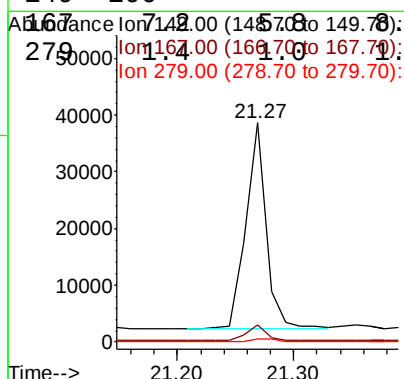
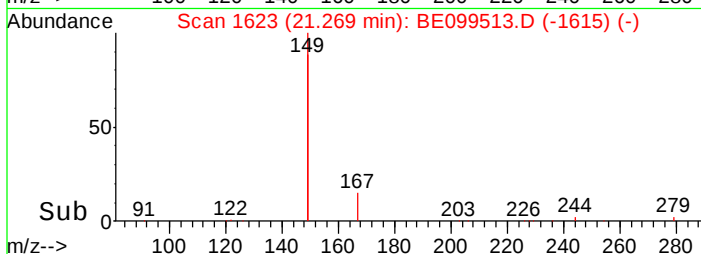
Delta R.T. 0.00 min

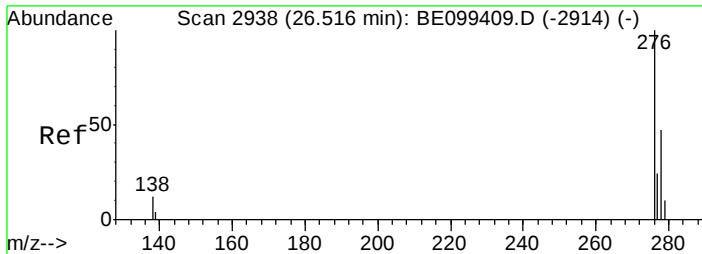
Lab File: BE099513.D

Acq: 3 May 2019 3:45



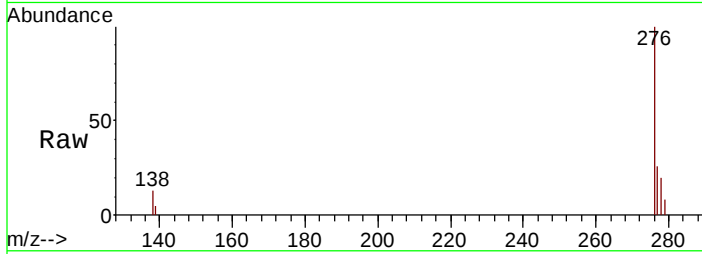
Tgt Ion:	149	Resp:	44541
Ion Ratio	Lower	Upper	
149	100		
167	7.2	5.9	8.6
279	1.4	1.0	1.6





#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.277 ng
 RT: 26.52 min Scan# 2939
 Delta R.T. 0.00 min
 Lab File: BE099513.D
 Acq: 3 May 2019 3:45

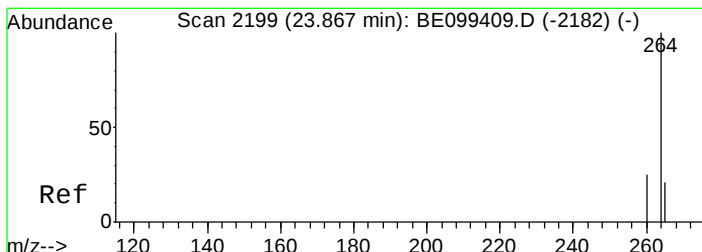
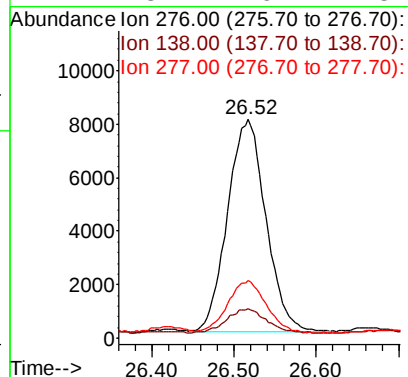
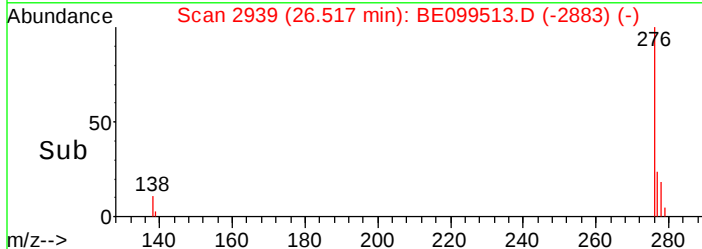
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B012-042519



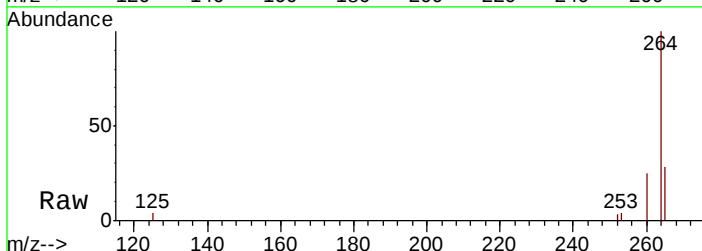
Tgt Ion:276 Resp: 25494
 Ion Ratio Lower Upper
 276 100
 138 12.3 10.2 15.2
 277 25.1 19.2 28.8

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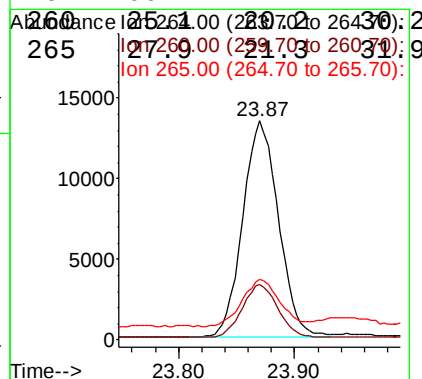
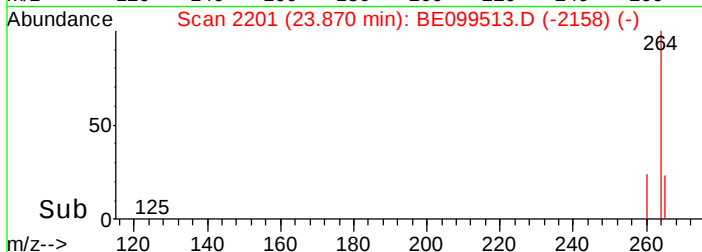
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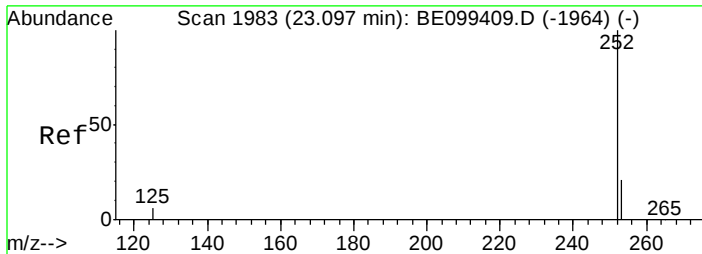


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2201
 Delta R.T. 0.00 min
 Lab File: BE099513.D
 Acq: 3 May 2019 3:45



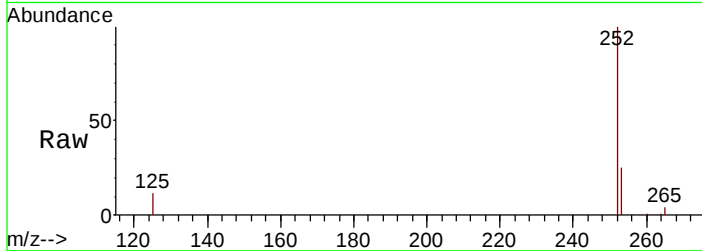
Tgt Ion:264 Resp: 28719
 Ion Ratio Lower Upper
 264 100





#35
 Benzo(b)fluoranthene
 Concen: 0.650 ng
 RT: 23.10 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: BE099513.D
 Acq: 3 May 2019 3:45

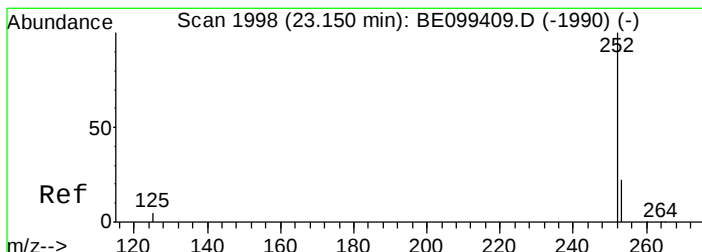
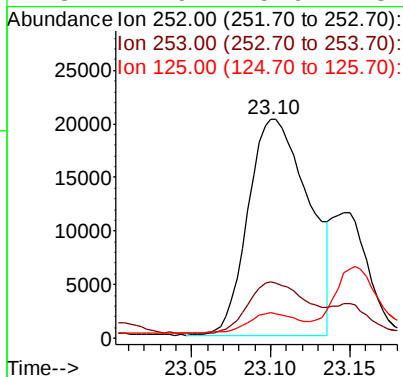
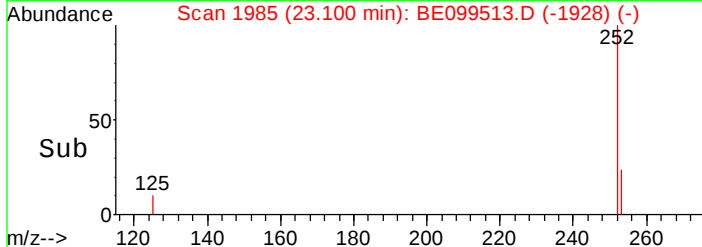
Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B012-042519



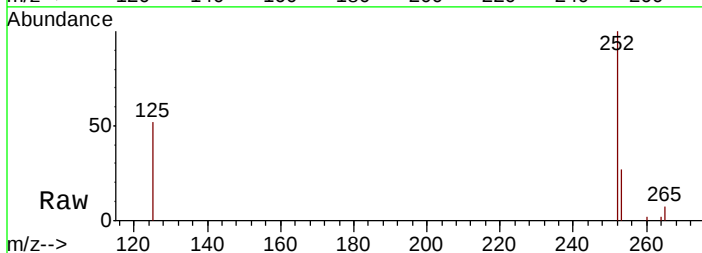
Tgt Ion: 252 Resp: 53864
 Ion Ratio Lower Upper
 252 100
 253 25.4 18.1 27.1
 125 11.6 5.6 8.4#

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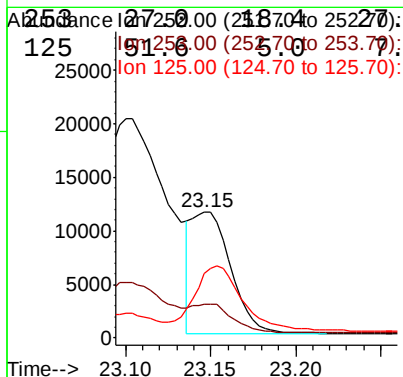
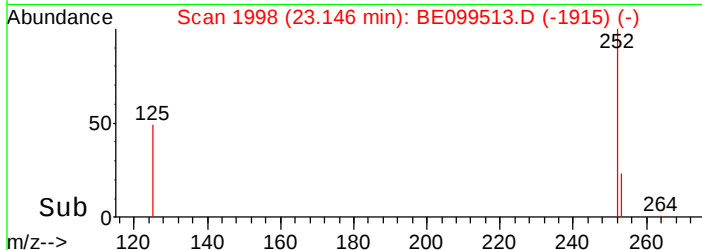
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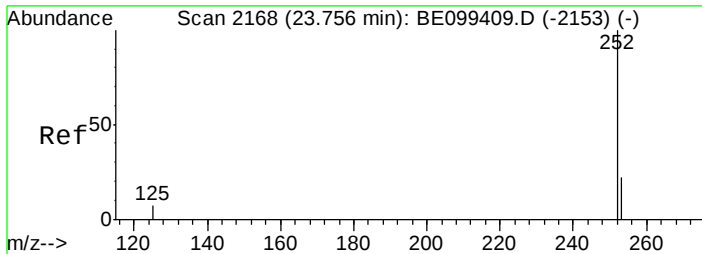


#36
 Benzo(k)fluoranthene
 Concen: 0.226 ng m
 RT: 23.15 min Scan# 1998
 Delta R.T. -0.00 min
 Lab File: BE099513.D
 Acq: 3 May 2019 3:45



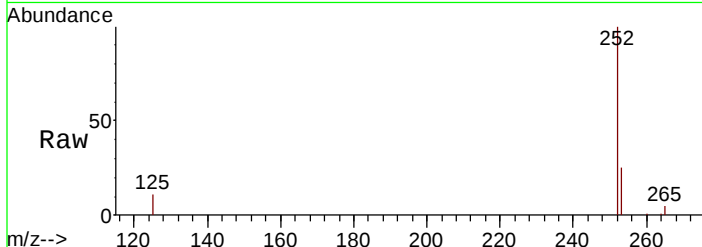
Tgt Ion: 252 Resp: 18025
 Ion Ratio Lower Upper
 252 100
 253 27.5 18.4 27.6
 125 11.6 5.6 8.4#





#37
Benzo(a)pyrene
 Concen: 0.470 ng
 RT: 23.76 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: BE099513.D
 Acq: 3 May 2019 3:45

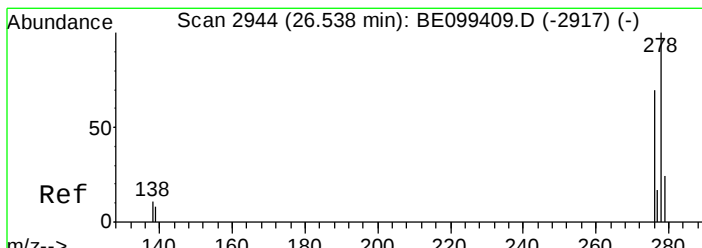
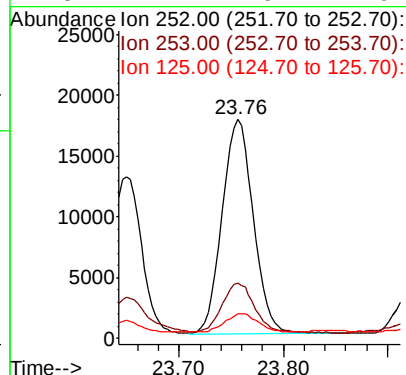
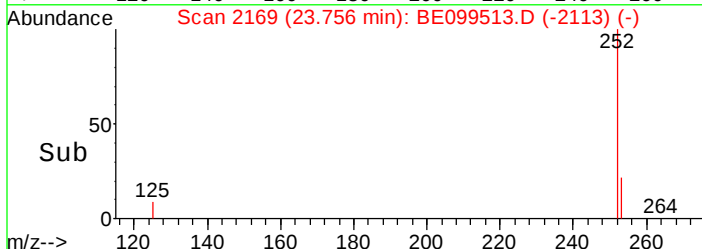
Instrument :
 BNA_E
ClientSampleId :
 PST-001-B012-042519



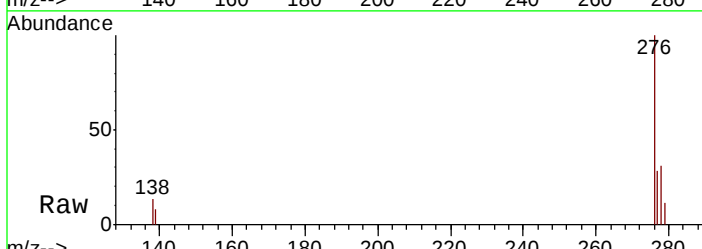
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.9	28.3
125	11.1	6.7	10.1#

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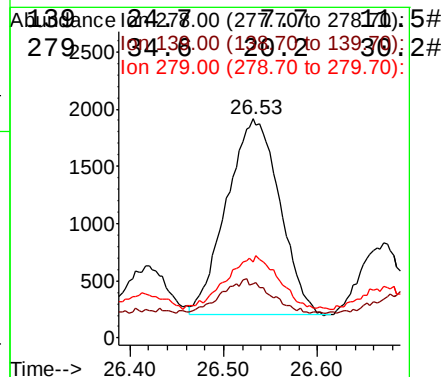
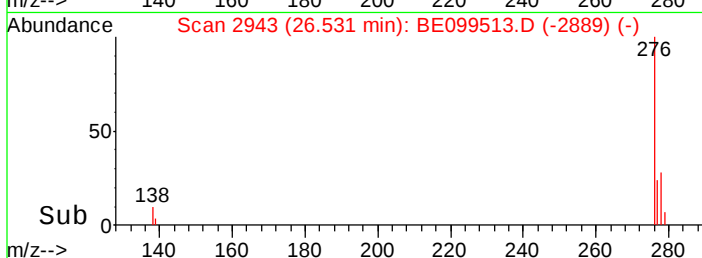
Sohil
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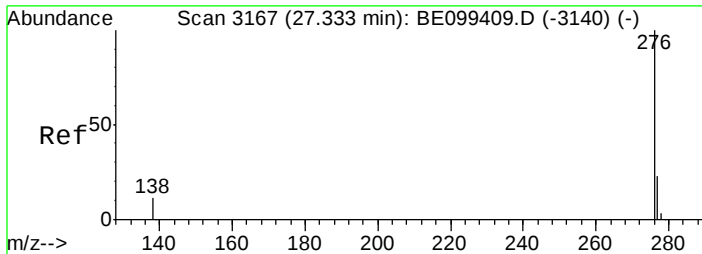


#38
Dibenzo(a,h)anthracene
 Concen: 0.084 ng
 RT: 26.53 min Scan# 2943
 Delta R.T. -0.01 min
 Lab File: BE099513.D
 Acq: 3 May 2019 3:45



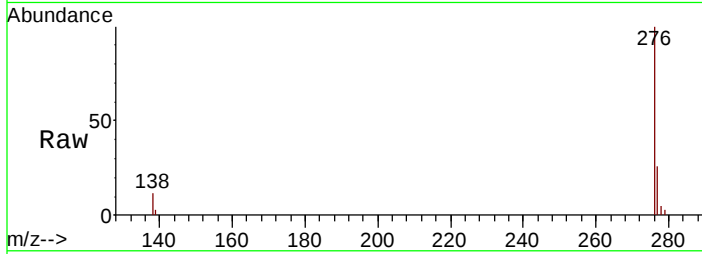
Tgt Ion	Ratio	Lower	Upper
278	100		
279	13.9	9.4	20.2
276	24.7	16.2	30.2#





#39
 Benzo(g,h,i)perylene
 Concen: 0.314 ng
 RT: 27.33 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: BE099513.D
 Acq: 3 May 2019 3:45

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B012-042519



Tgt Ion:	276	Resp:	25159
Ion Ratio	Lower	Upper	
276	100		
277	25.8	19.5	29.3
138	12.1	9.6	14.4

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:24:06 PM

