

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099429.D
 Acq On : 30 Apr 2019 16:45
 Operator : JU/SJ
 Sample : K2587-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B202-042319

Manual Integrations
 APPROVED

Sohil
 5/1/2019 12:02:33 PM

Quant Time: May 01 01:32:32 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	7.81	152	2374	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8207	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5824	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	17988	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29430	0.40	ng	0.00
34) Perylene-d12	23.86	264	35315	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.38	112	2660	0.41	ng	0.00
5) Phenol-d6	6.96	99	3670	0.42	ng	-0.01
8) Nitrobenzene-d5	8.97	82	3000	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5189	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1414	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	7588	0.34	ng	-0.01
25) Fluoranthene-d10	19.22	212	84982	0.35	ng	0.00
29) Terphenyl-d14	19.81	244	18458	0.34	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	2193	0.025	ng	# 89
16) Acenaphthylene	14.18	152	984	0.035	ng	95
18) Fluorene	15.49	166	544	0.023	ng	# 87
23) Phenanthrene	17.23	178	18114	0.390	ng	99
24) Anthracene	17.32	178	1838	0.042	ng	# 87
26) Fluoranthene	19.25	202	62875	0.904	ng	100
28) Pyrene	19.61	202	57871	0.754	ng	# 96
30) Benzo(a)anthracene	21.34	228	36933	0.394	ng	97
31) Chrysene	21.40	228	45665	0.498	ng	97
32) Bis(2-ethylhexyl)phthalate	21.26	149	28154	0.141	ng	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	30334	0.280	ng	98
35) Benzo(b)fluoranthene	23.10	252	61133	0.600	ng	# 97
36) Benzo(k)fluoranthene	23.14	252	22758m	0.232	ng	
37) Benzo(a)pyrene	23.75	252	37938	0.394	ng	98
38) Dibenzo(a,h)anthracene	26.53	278	7592m	0.077	ng	
39) Benzo(g,h,i)perylene	27.31	276	30012	0.304	ng	99

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

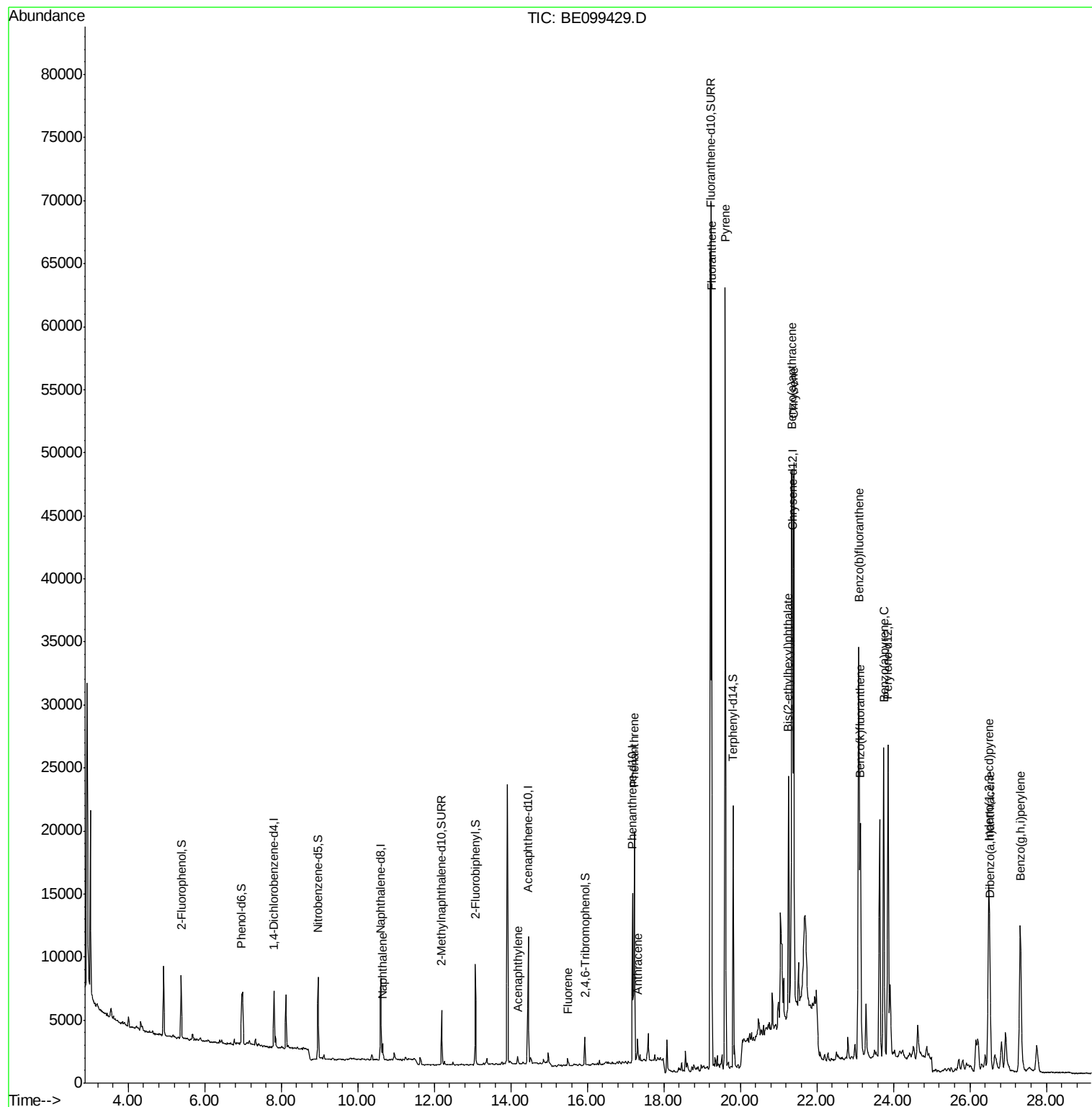
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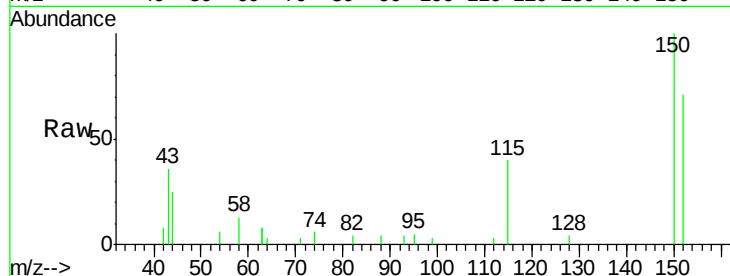




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

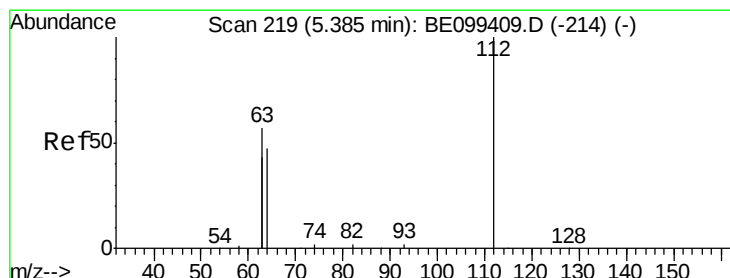
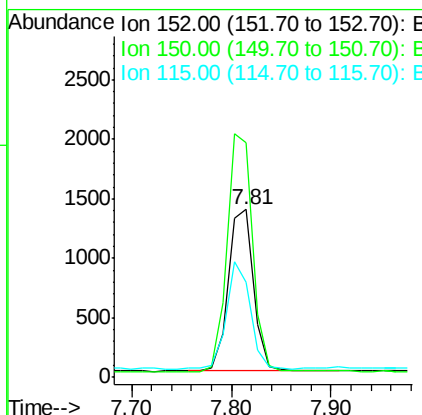
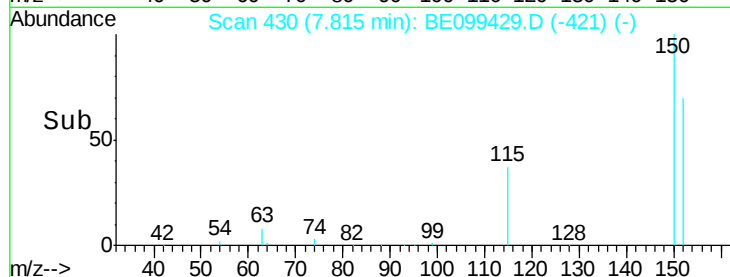
Instrument :
BNA_E
ClientSampleId :
PST-004-B202-042319



Tgt Ion	Ratio	Lower	Upper
152	100		
150	140.4	104.8	157.2
115	56.6	46.6	69.8

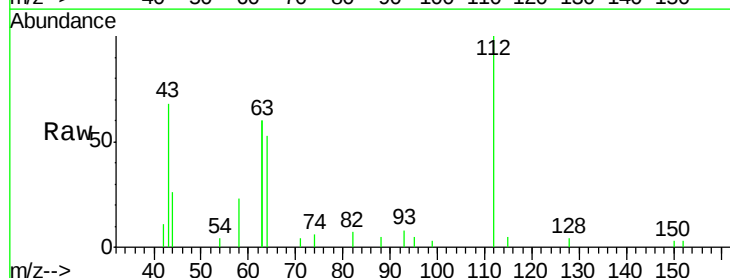
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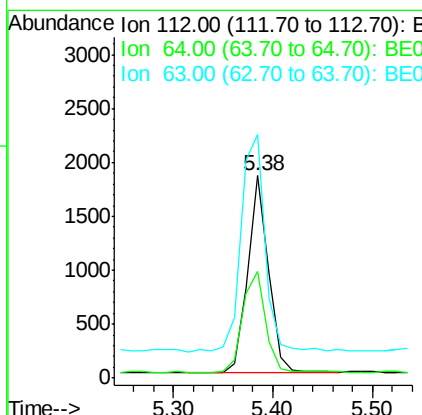
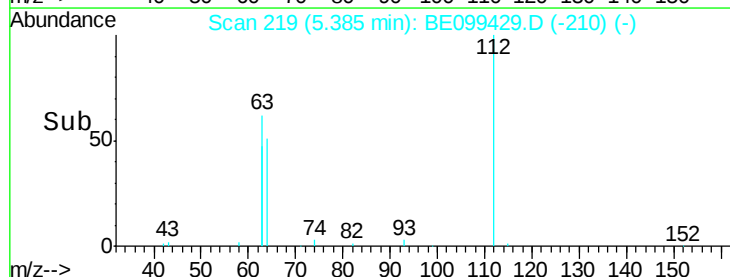


#4

2-Fluorophenol
Concen: 0.405 ng
RT: 5.38 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45



Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.4	71.0
63	126.2	104.3	156.5





#5

Phenol-d6

Concen: 0.420 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Instrument :

BNA_E

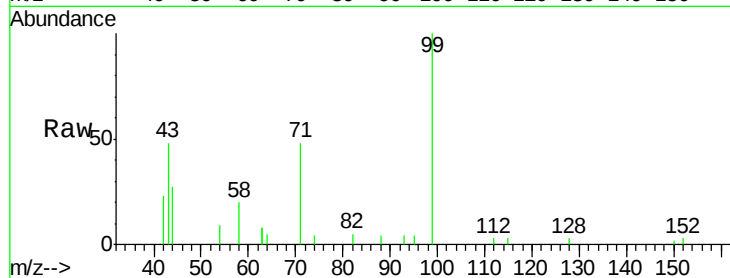
ClientSampleId :

PST-004-B202-042319

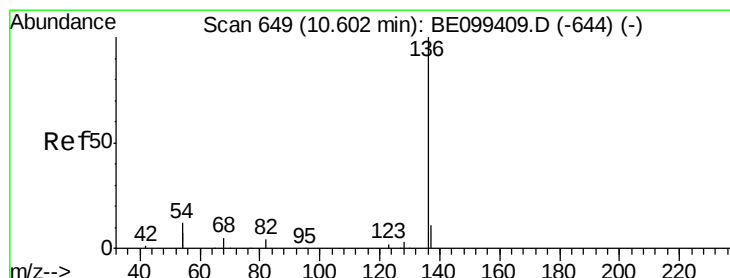
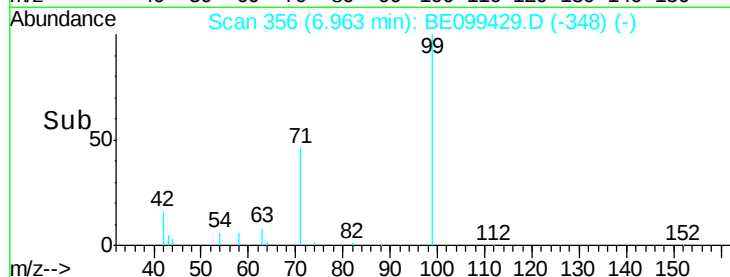
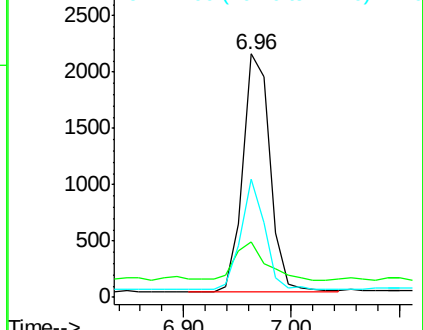
Tgt Ion:	99	Resp:	3670
Ion	Ratio	Lower	Upper
99	100		
42	19.3	14.9	22.3
71	41.4	33.0	49.6

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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# 650

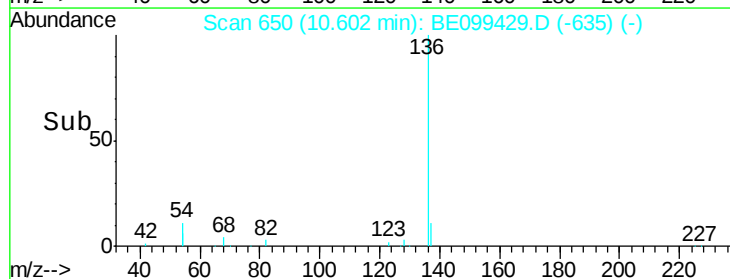
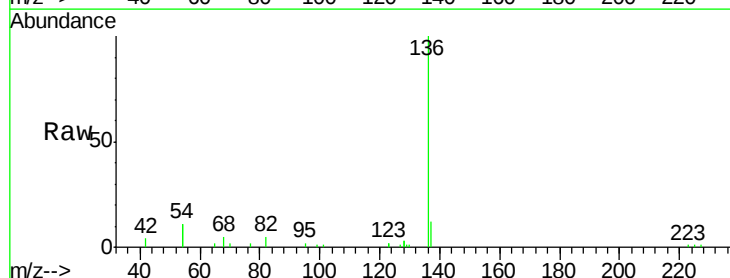
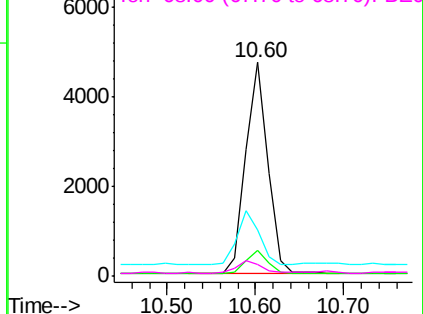
Delta R.T. 0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Tgt Ion:	136	Resp:	8207
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.8	14.8
54	21.8	18.5	27.7
68	5.3	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: 0.390 ng

RT: 8.97 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Instrument :

BNA_E

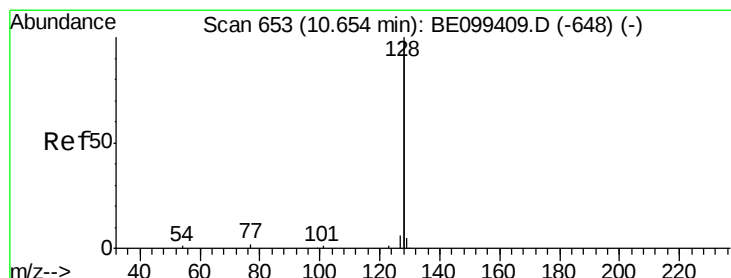
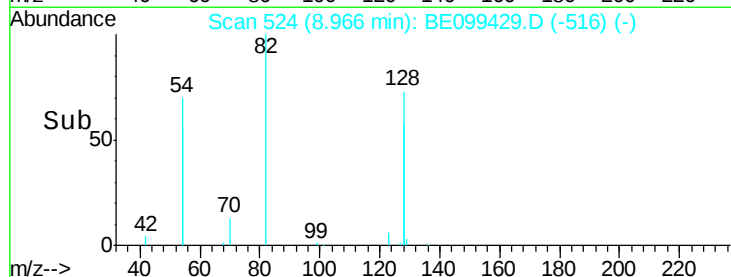
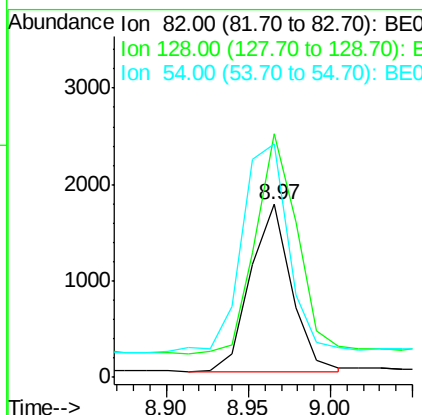
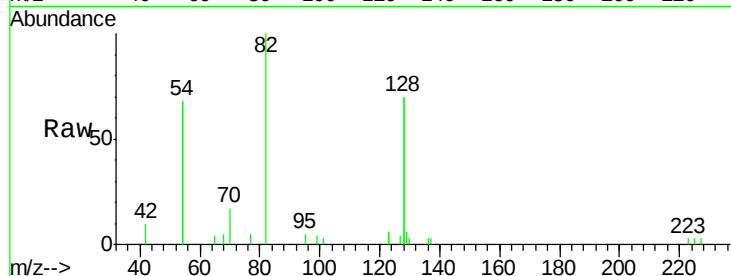
ClientSampleId :

PST-004-B202-042319

Tgt Ion:	82	Resp:	3000
Ion Ratio	Lower	Upper	
82	100		
128	140.8	107.0	160.4
54	135.1	113.1	169.7

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#9

Naphthalene

Concen: 0.025 ng

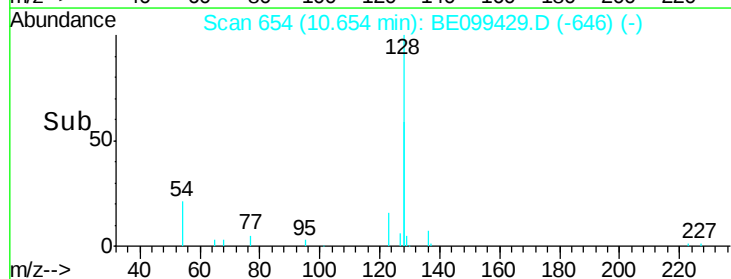
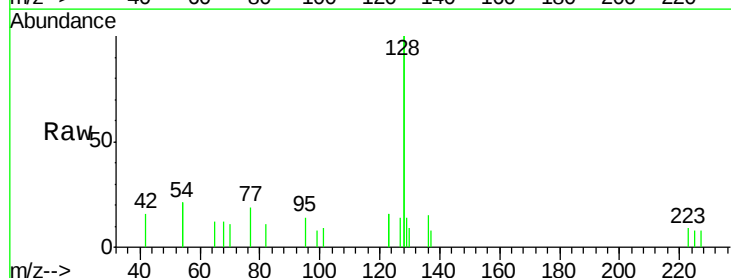
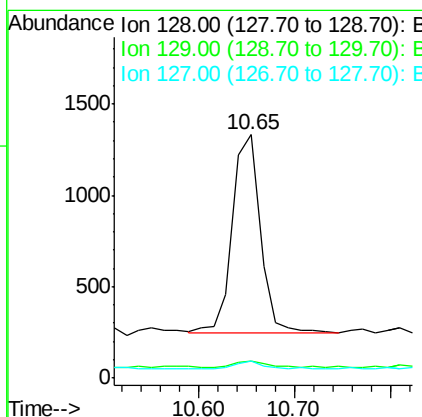
RT: 10.65 min Scan# 654

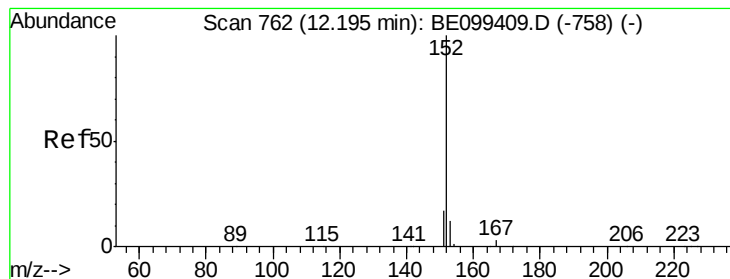
Delta R.T. 0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Tgt Ion:	128	Resp:	2193
Ion Ratio	Lower	Upper	
128	100		
129	6.8	2.4	3.6#
127	7.1	2.8	4.2#





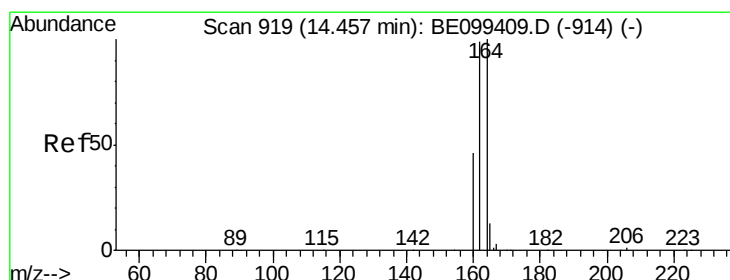
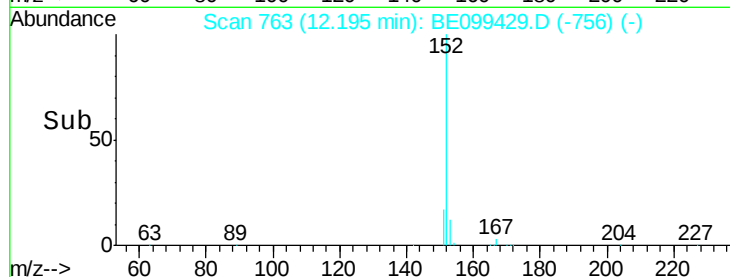
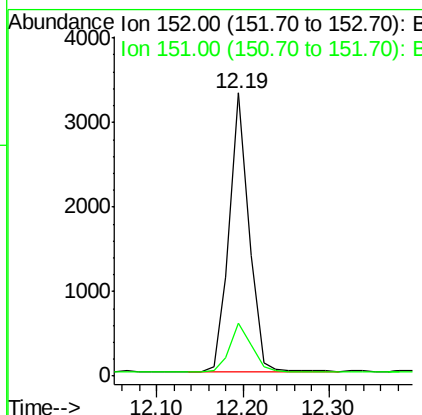
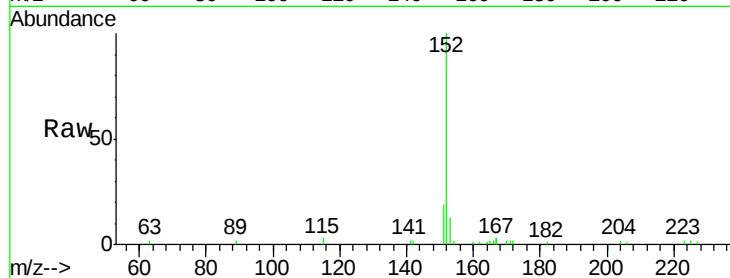
#11
 2-Methylnaphthalene-d10
 Concen: 0.351 ng
 RT: 12.19 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: BE099429.D
 Acq: 30 Apr 2019 16:45

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B202-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3

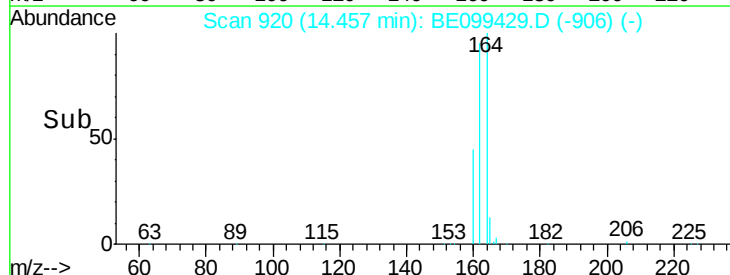
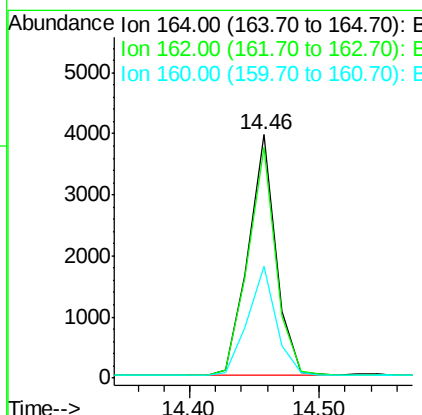
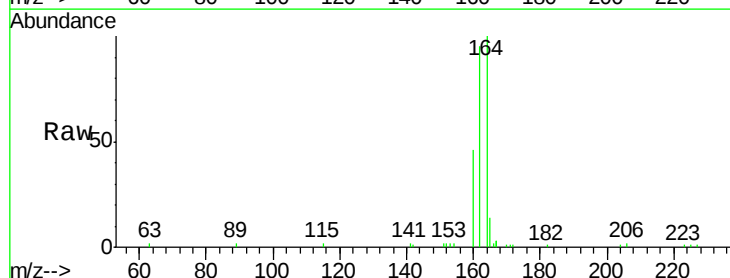
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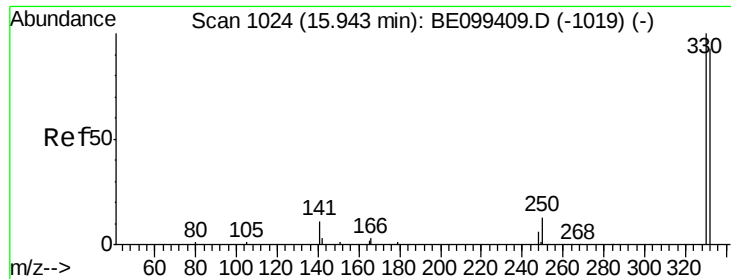
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BE099429.D
 Acq: 30 Apr 2019 16:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.8	79.0	118.4
160	45.7	37.0	55.4





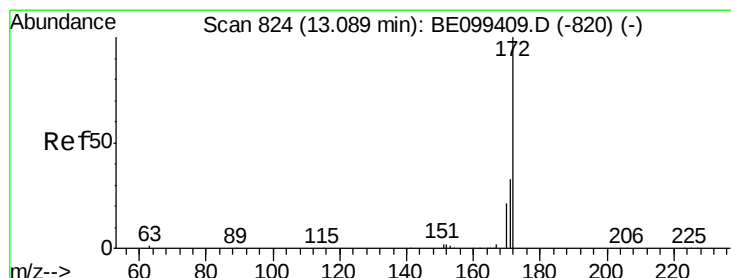
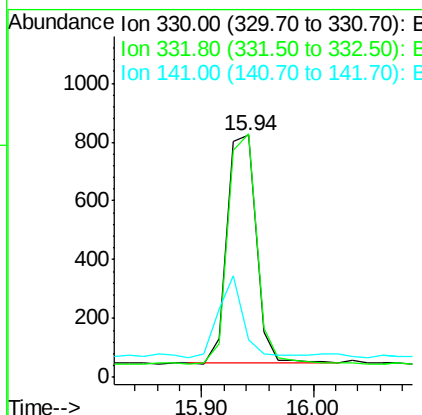
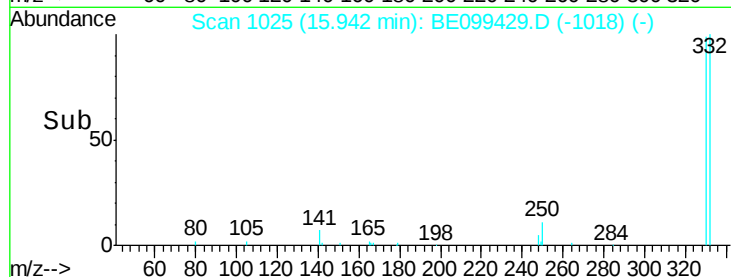
#14
 2,4,6-Tribromophenol
 Concen: 0.385 ng
 RT: 15.94 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BE099429.D
 Acq: 30 Apr 2019 16:45

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B202-042319

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	1414		
332	99.7	71.5	107.3	
141	30.3	24.0	36.0	

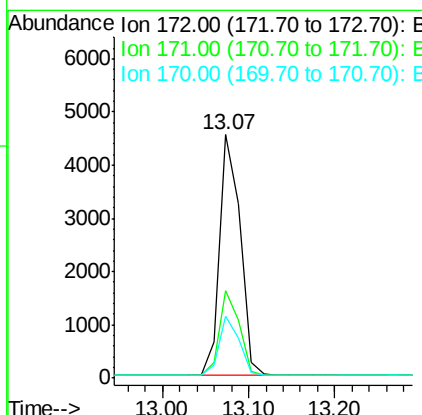
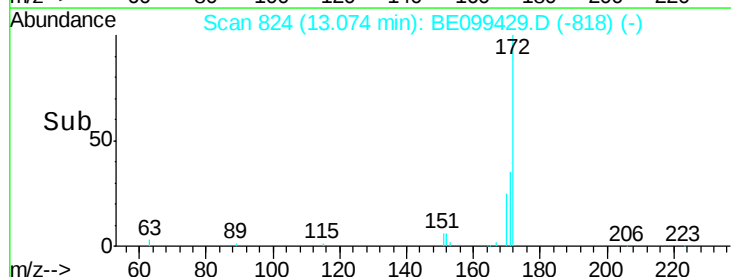
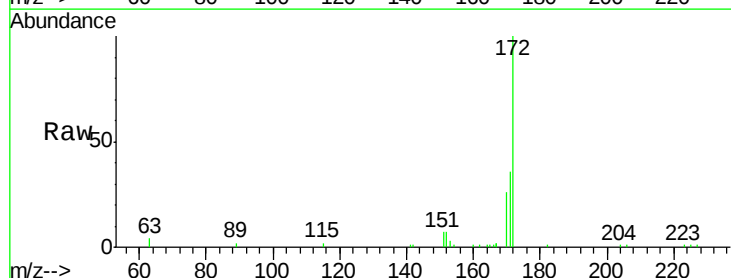
Manual Integrations
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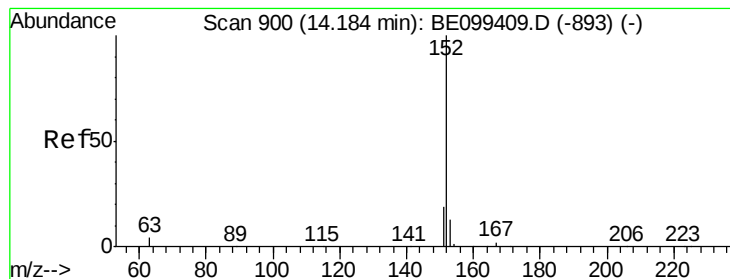
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#15
 2-Fluorobiphenyl
 Concen: 0.341 ng
 RT: 13.07 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BE099429.D
 Acq: 30 Apr 2019 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	7588		
171	35.9	26.6	39.8	
170	25.6	17.0	25.6	





#16

Acenaphthylene

Concen: 0.035 ng

RT: 14.18 min Scan# 901

Delta R.T. -0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Instrument :

BNA_E

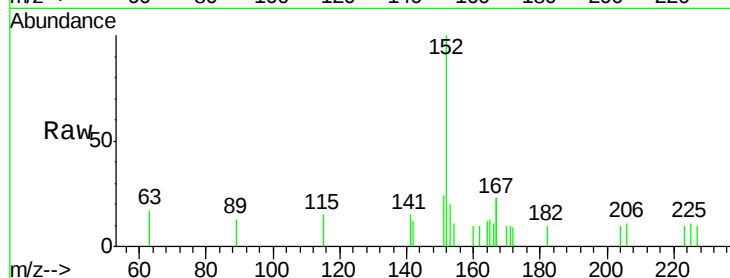
ClientSampleId :

PST-004-B202-042319

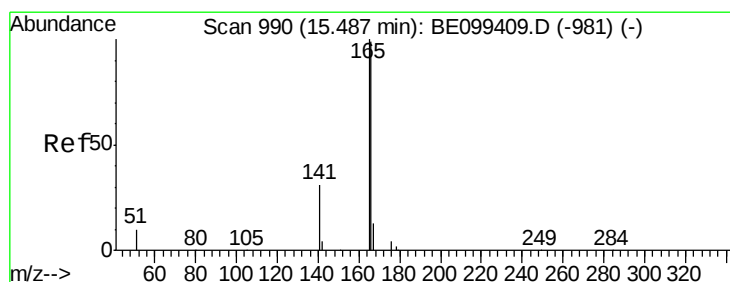
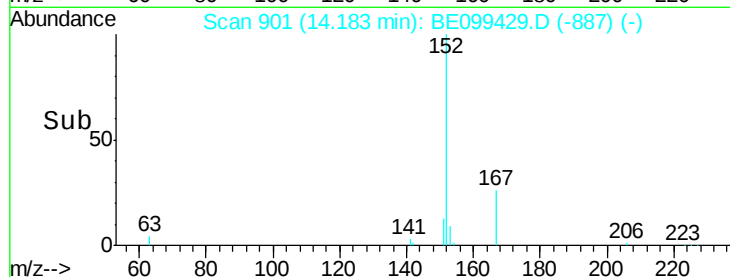
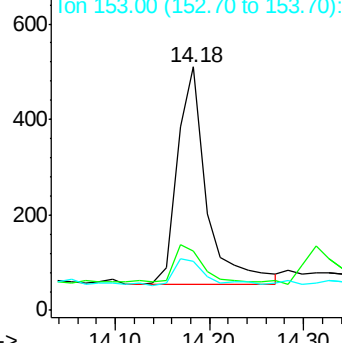
Tgt Ion:	152	Resp:	984
Ion Ratio	Lower	Upper	
152	100		
151	16.5	15.4	23.2
153	13.2	9.8	14.6

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#18

Fluorene

Concen: 0.023 ng

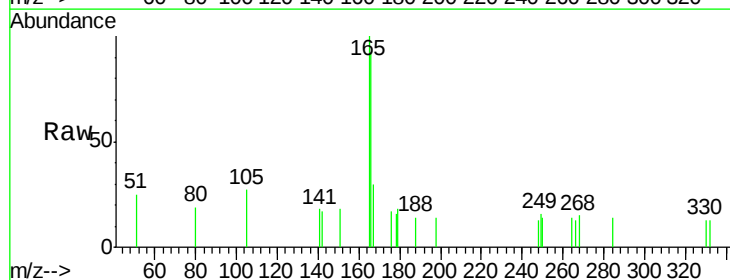
RT: 15.49 min Scan# 991

Delta R.T. -0.00 min

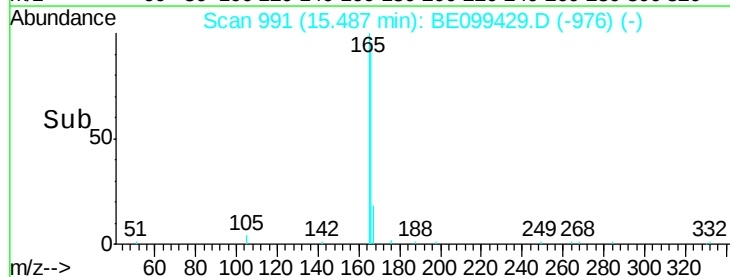
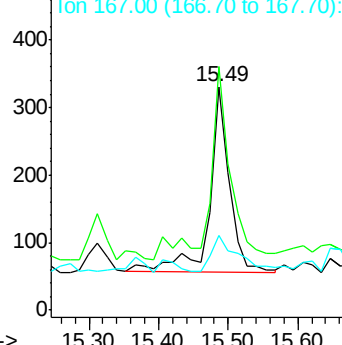
Lab File: BE099429.D

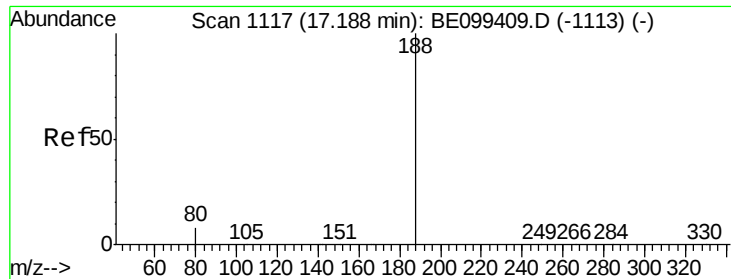
Acq: 30 Apr 2019 16:45

Tgt Ion:	166	Resp:	544
Ion Ratio	Lower	Upper	
166	100		
165	89.3	80.3	120.5
167	24.6	10.7	16.1#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Instrument :

BNA_E

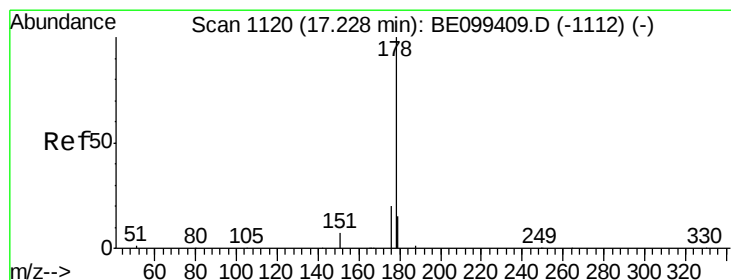
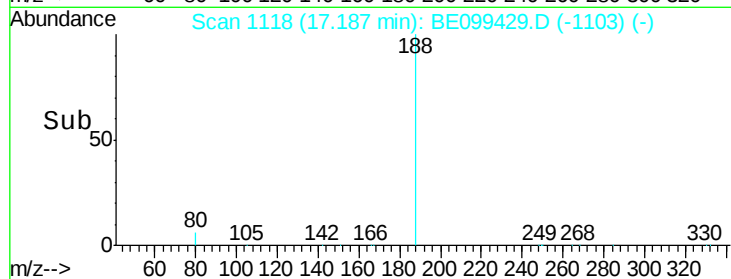
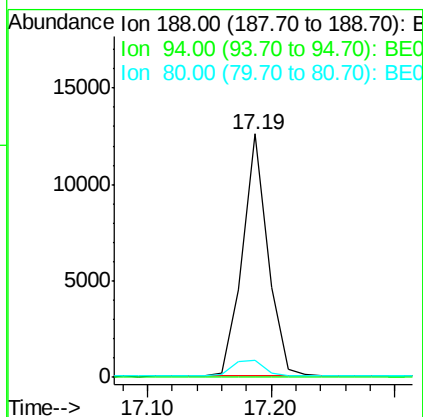
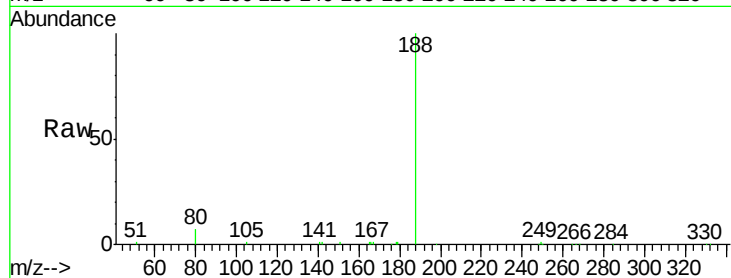
ClientSampleId :

PST-004-B202-042319

Tgt Ion:	188	Resp:	17988
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.9	6.7	10.1

Manual Integrations
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#23

Phenanthrene

Concen: 0.390 ng

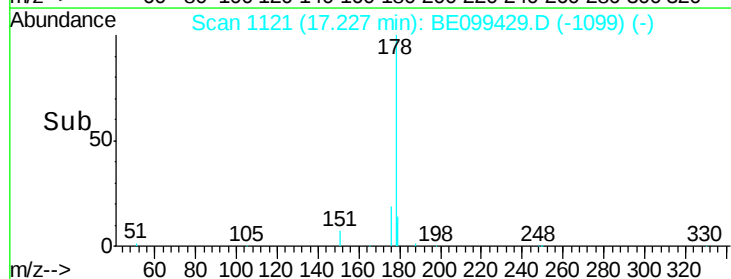
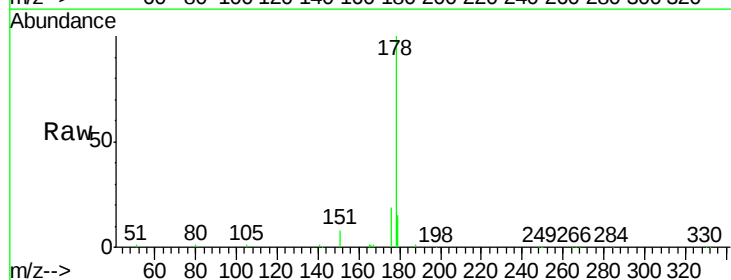
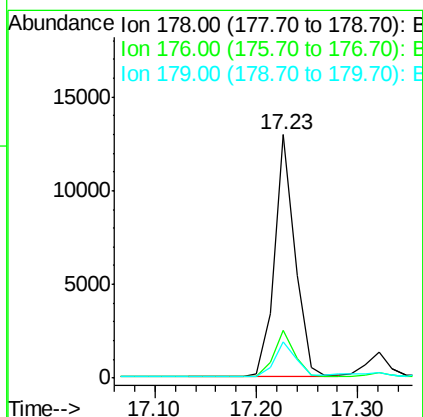
RT: 17.23 min Scan# 1121

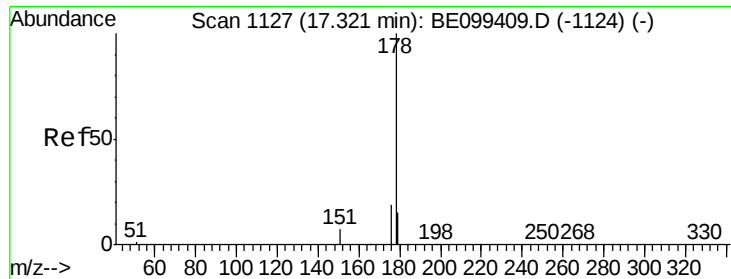
Delta R.T. -0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Tgt Ion:	178	Resp:	18114
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.6	23.4
179	14.8	12.0	18.0





#24

Anthracene

Concen: 0.042 ng

RT: 17.32 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Instrument :

BNA_E

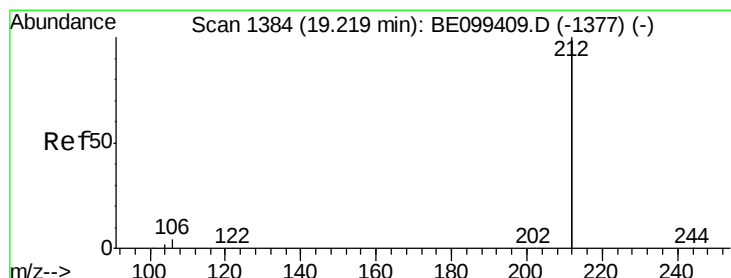
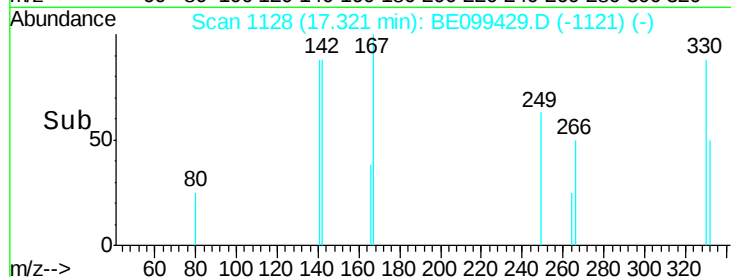
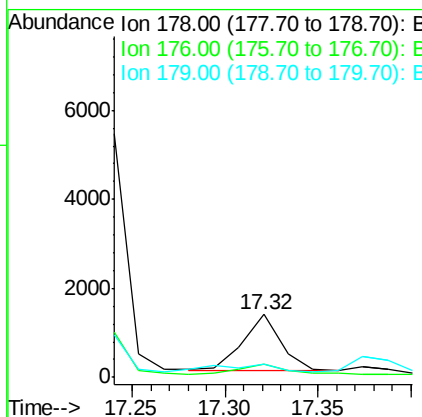
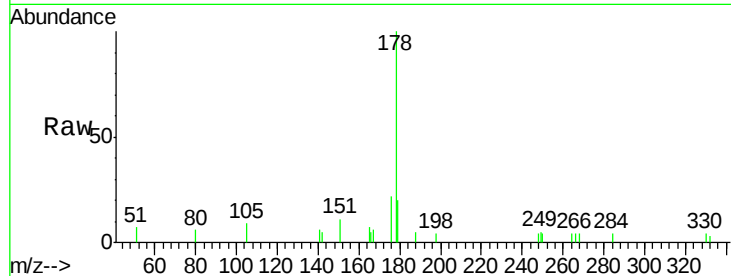
ClientSampleId :

PST-004-B202-042319

Tgt Ion:	178	Resp:	1838
Ion Ratio	Lower	Upper	
178	100		
176	21.1	14.9	22.3
179	23.7	11.9	17.9#

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#25

Fluoranthene-d10

Concen: 0.351 ng

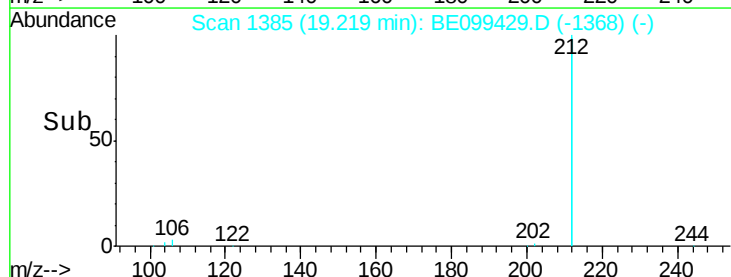
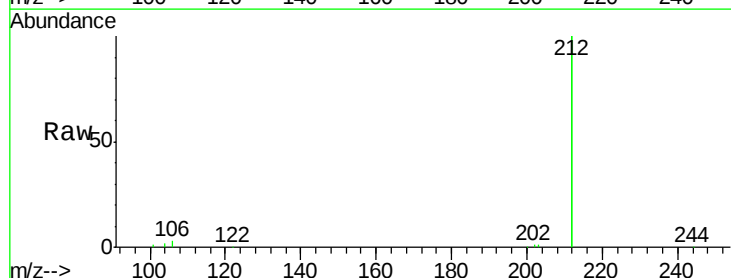
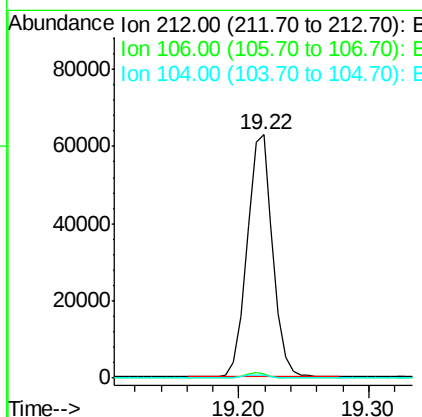
RT: 19.22 min Scan# 1385

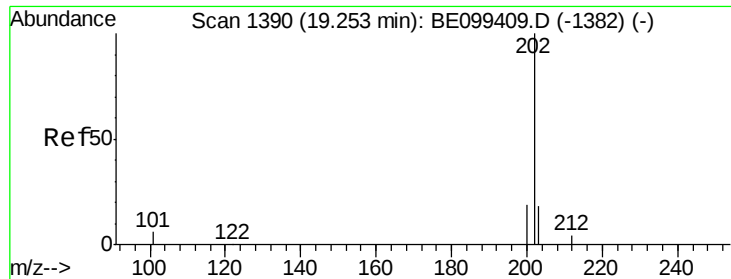
Delta R.T. -0.00 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Tgt Ion:	212	Resp:	84982
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.5	2.3
104	1.1	0.9	1.3





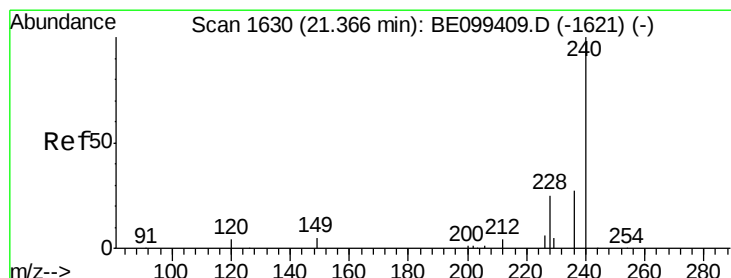
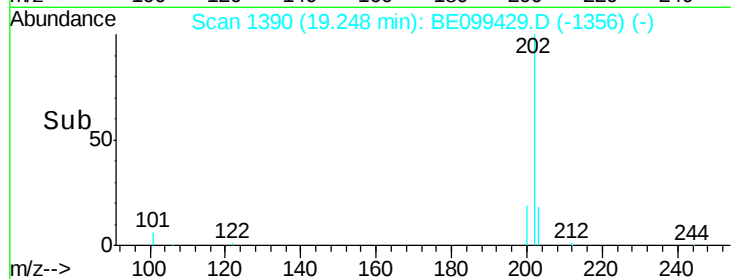
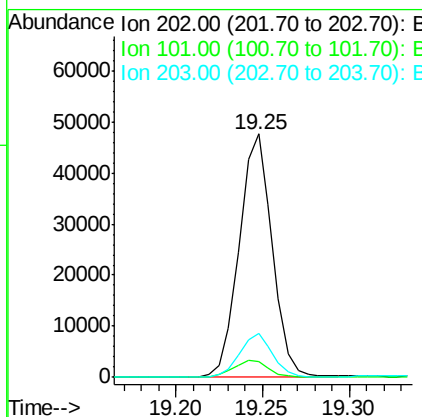
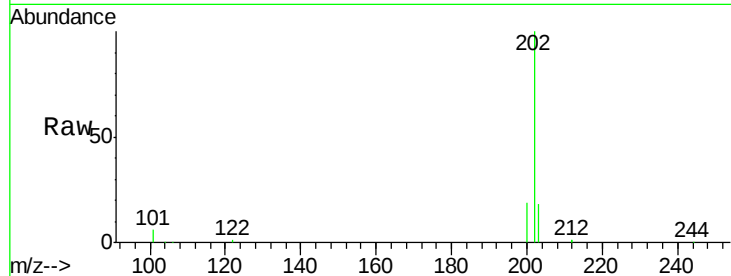
#26
Fluoranthene
Concen: 0.904 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

Instrument :
BNA_E
ClientSampleId :
PST-004-B202-042319

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	62875		
101	7.2		5.4	8.0
203	17.4		13.9	20.9

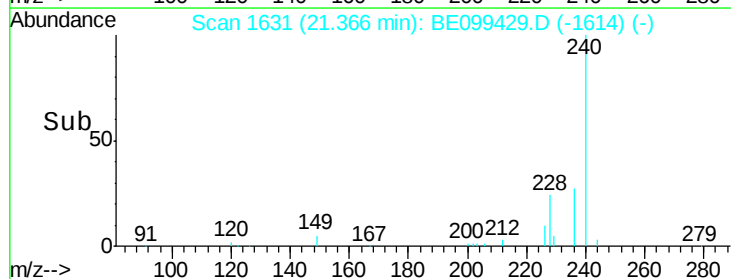
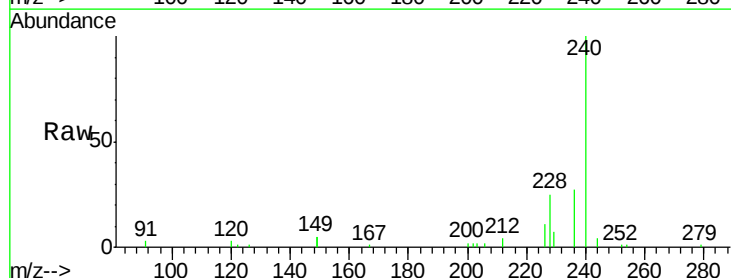
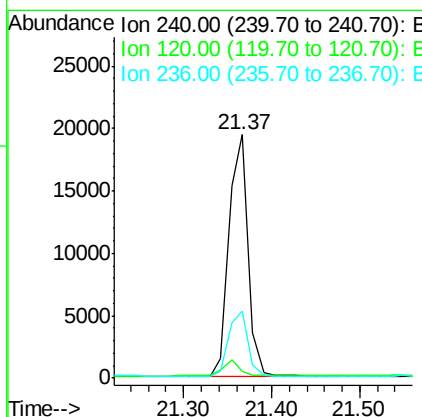
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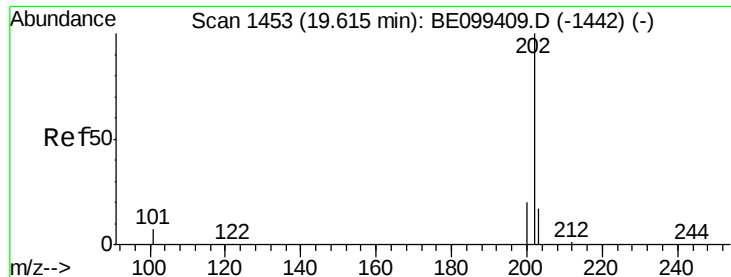
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	29430		
120	3.0		4.0	6.0#
236	27.4		22.0	33.0





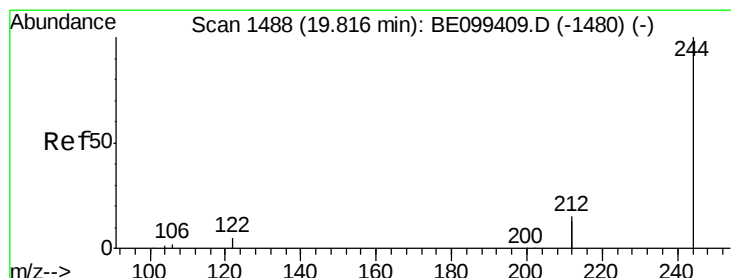
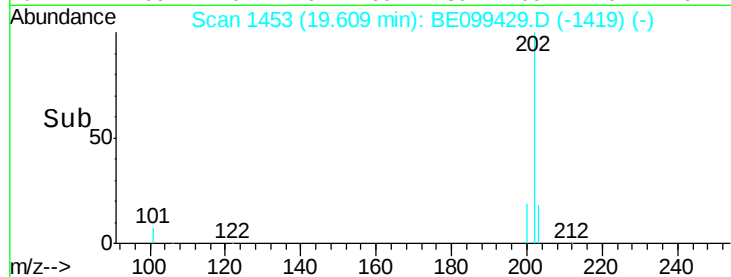
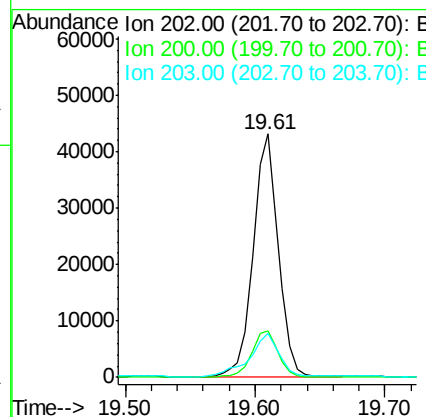
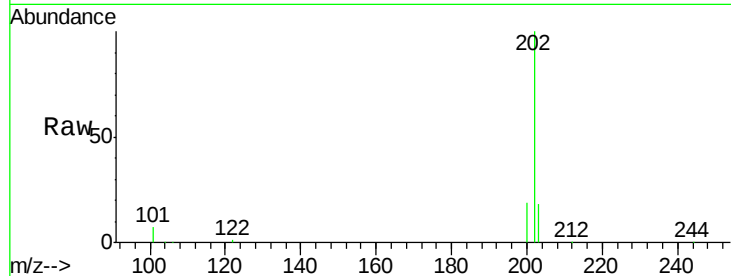
#28
 Pyrene
 Concen: 0.754 ng
 RT: 19.61 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BE099429.D
 Acq: 30 Apr 2019 16:45

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B202-042319

Tgt Ion:	202	Resp:	57871
Ion Ratio	Lower	Upper	
202	100		
200	19.7	15.7	23.5
203	21.0	13.9	20.9

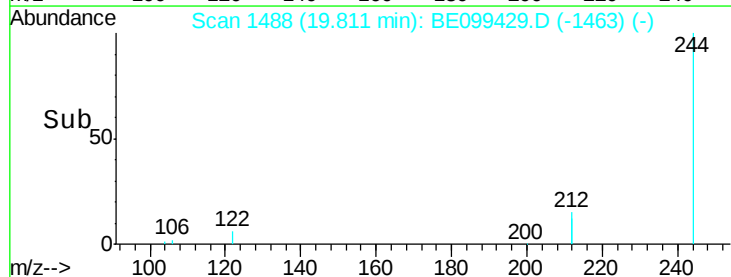
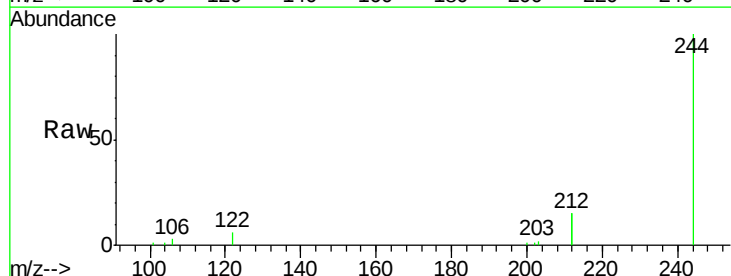
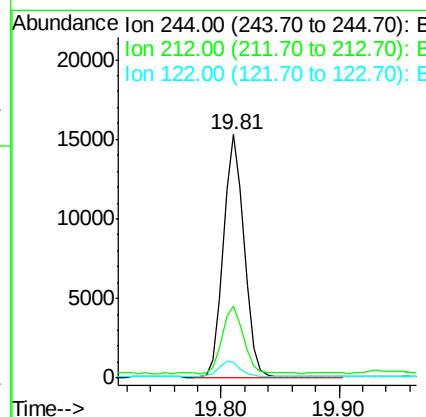
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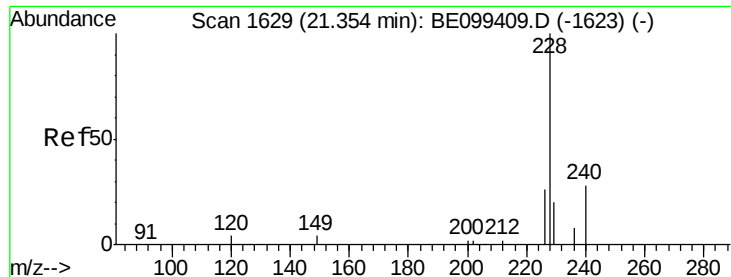
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#29
 Terphenyl-d14
 Concen: 0.342 ng
 RT: 19.81 min Scan# 1488
 Delta R.T. -0.01 min
 Lab File: BE099429.D
 Acq: 30 Apr 2019 16:45

Tgt Ion:	244	Resp:	18458
Ion Ratio	Lower	Upper	
244	100		
212	29.4	23.2	34.8
122	6.3	4.2	6.4





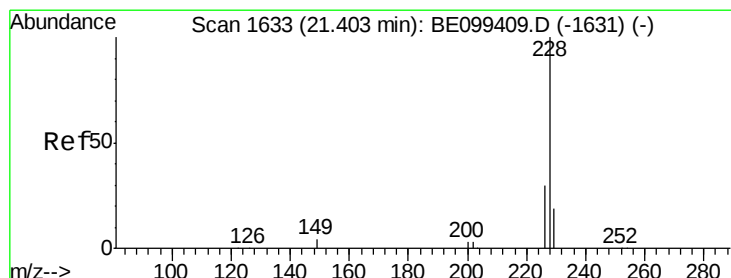
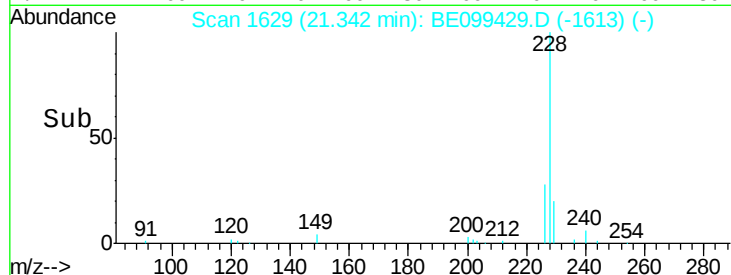
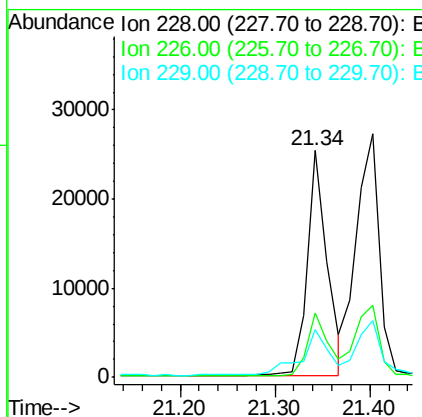
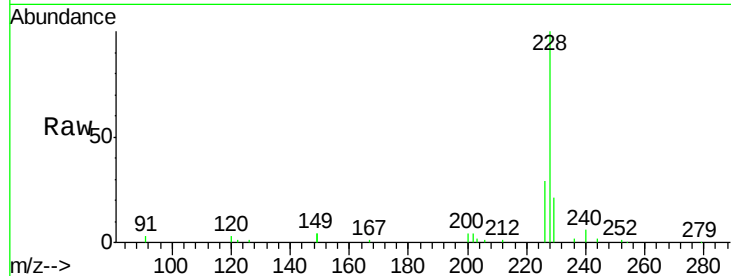
#30
Benzo(a)anthracene
Concen: 0.394 ng
RT: 21.34 min Scan# 1629
Delta R.T. -0.01 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

Instrument :
BNA_E
ClientSampleId :
PST-004-B202-042319

Tgt Ion: 228 Resp: 36933
Ion Ratio Lower Upper
228 100
226 28.6 21.0 31.6
229 21.2 16.6 25.0

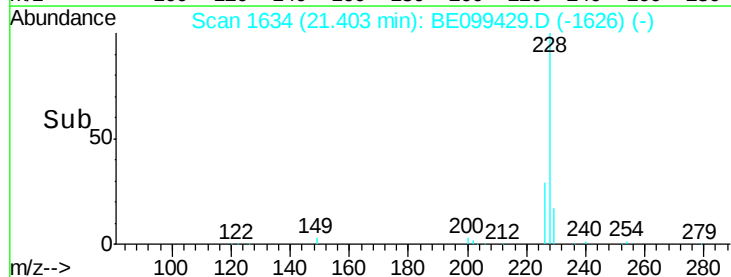
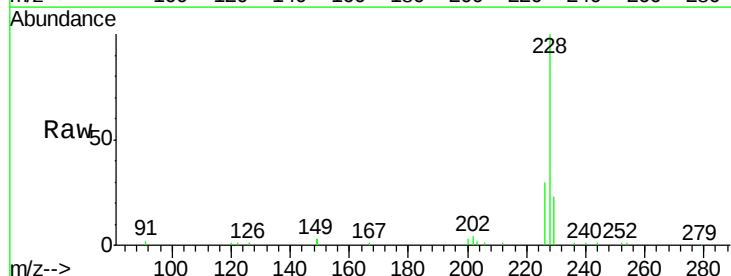
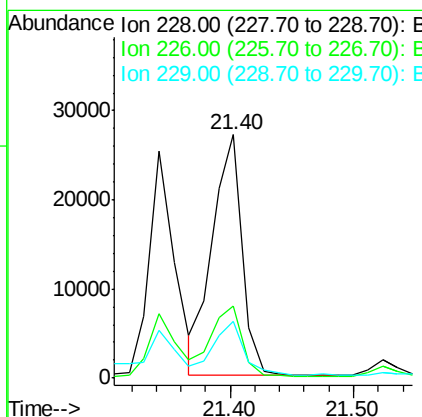
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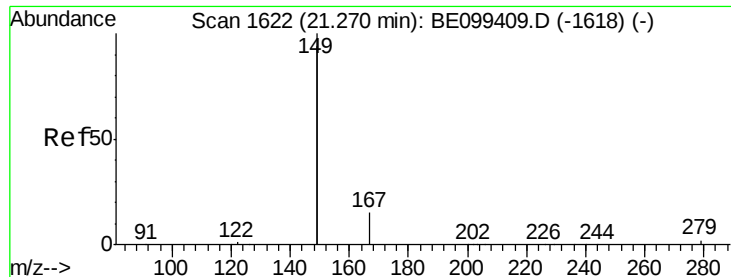
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#31
Chrysene
Concen: 0.498 ng
RT: 21.40 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

Tgt Ion: 228 Resp: 45665
Ion Ratio Lower Upper
228 100
226 29.5 24.0 36.0
229 23.1 15.8 23.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.141 ng

RT: 21.26 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Instrument :

BNA_E

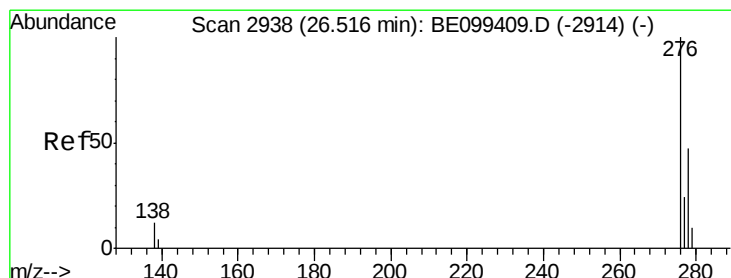
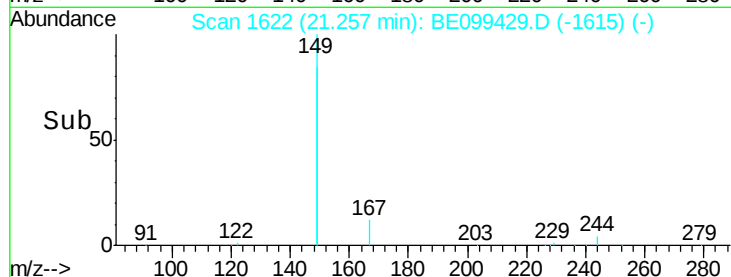
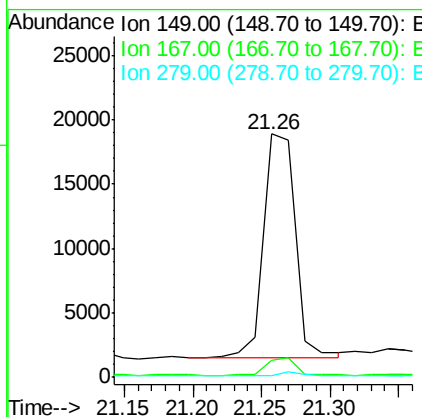
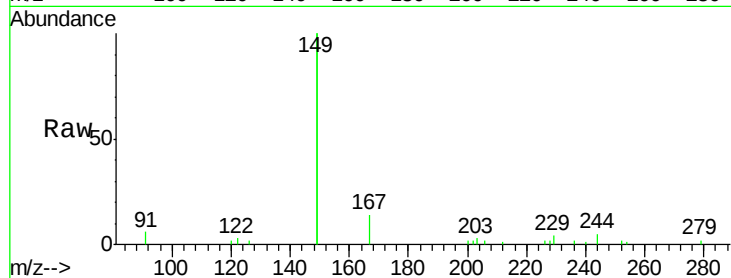
ClientSampleId :

PST-004-B202-042319

Tgt Ion:	149	Resp:	28154
Ion Ratio	Lower	Upper	
149	100		
167	7.0	5.8	8.6
279	1.3	1.0	1.6

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.280 ng

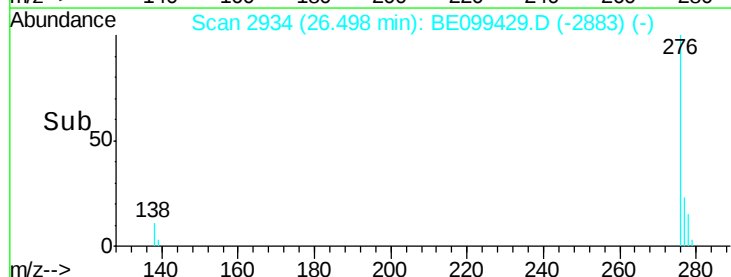
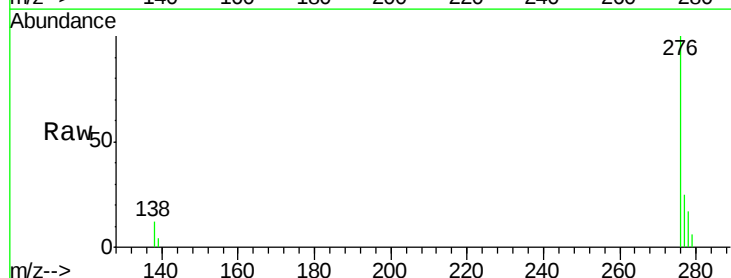
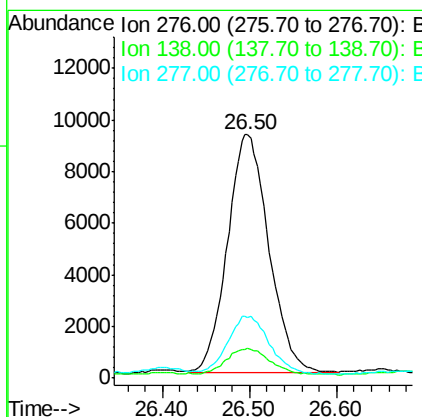
RT: 26.50 min Scan# 2934

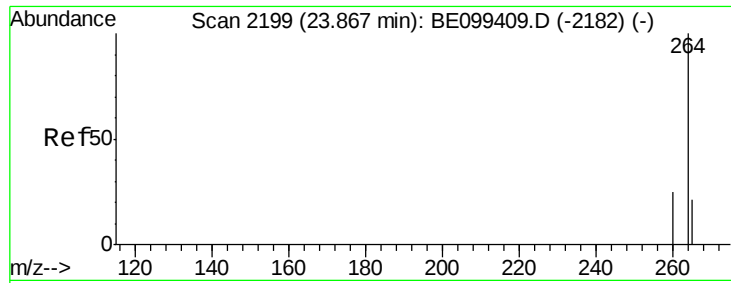
Delta R.T. -0.02 min

Lab File: BE099429.D

Acq: 30 Apr 2019 16:45

Tgt Ion:	276	Resp:	30334
Ion Ratio	Lower	Upper	
276	100		
138	11.2	10.2	15.2
277	24.2	19.2	28.8





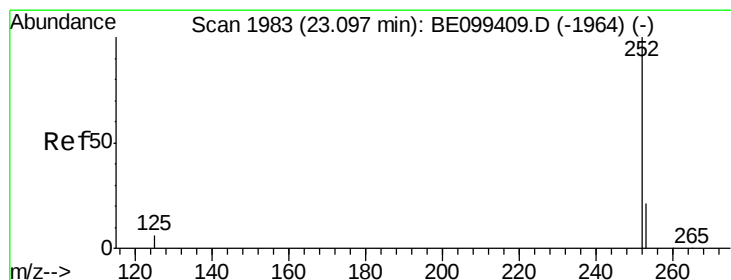
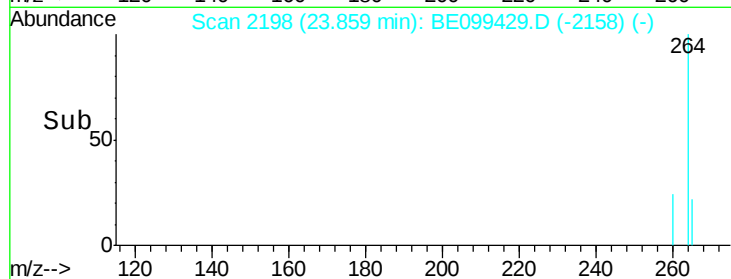
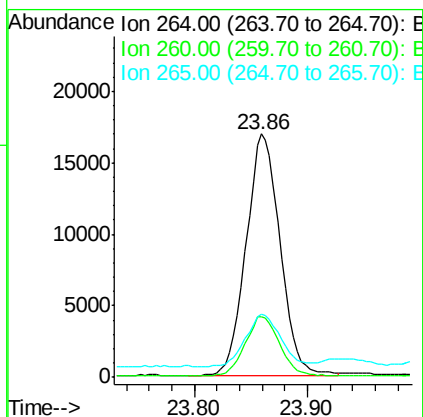
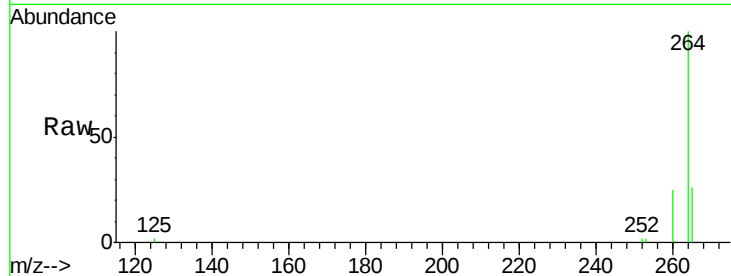
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BE099429.D
 Acq: 30 Apr 2019 16:45

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B202-042319

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	35315		
260	24.8	20.2	30.2	
265	25.9	21.3	31.9	

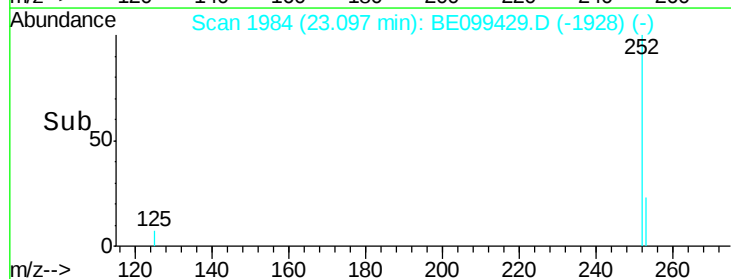
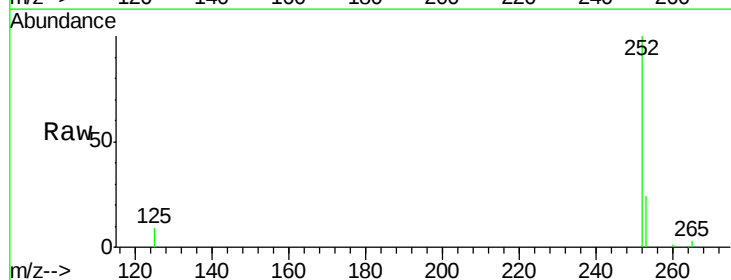
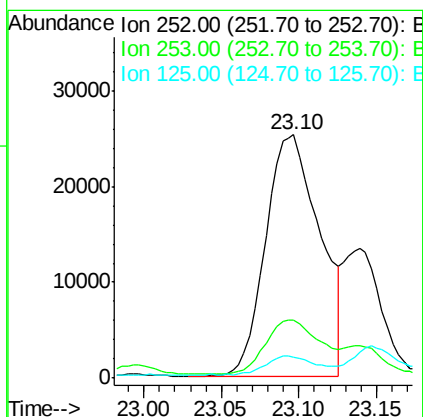
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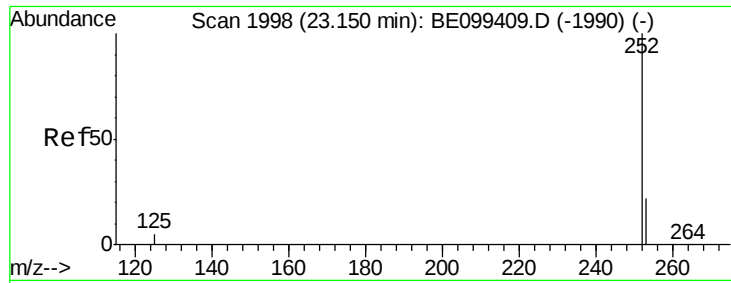
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#35
Benzo(b)fluoranthene
 Concen: 0.600 ng
 RT: 23.10 min Scan# 1984
 Delta R.T. -0.00 min
 Lab File: BE099429.D
 Acq: 30 Apr 2019 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	61133		
253	23.9	18.1	27.1	
125	8.7	5.6	8.4	





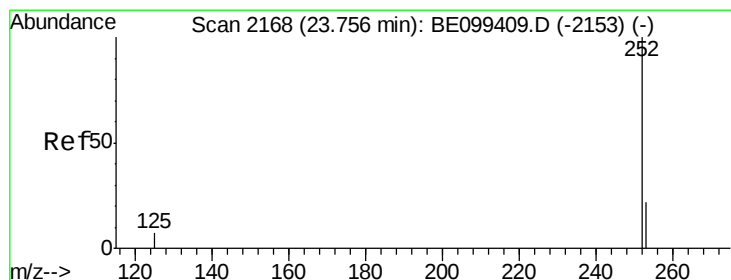
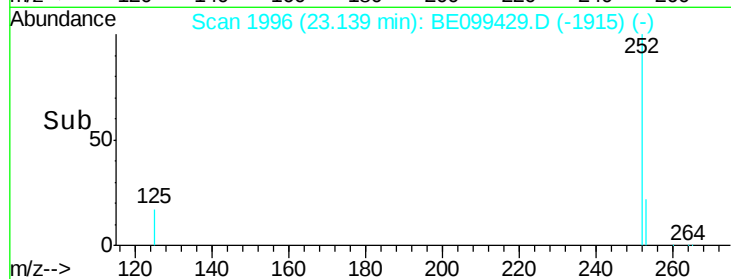
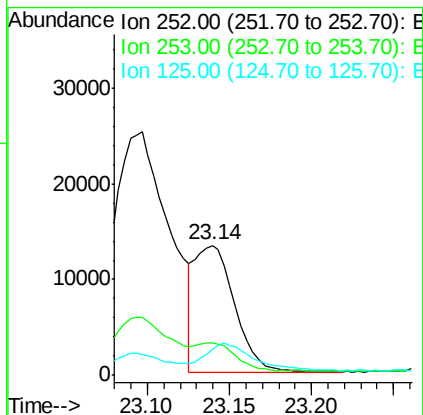
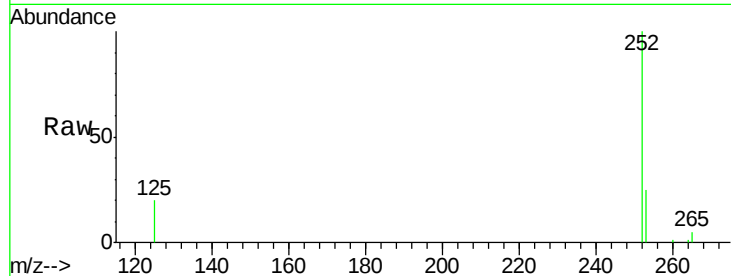
#36
Benzo(k)fluoranthene
Concen: 0.232 ng m
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

Instrument :
BNA_E
ClientSampleId :
PST-004-B202-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.4	27.6
125	19.8	5.0	7.4

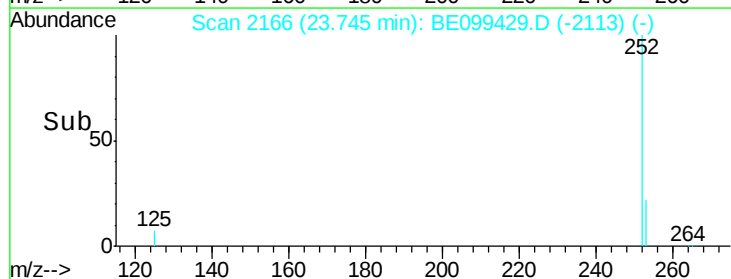
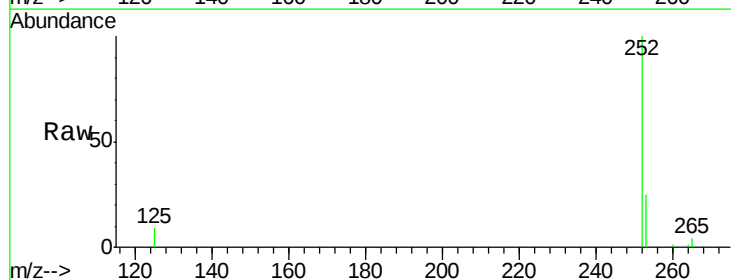
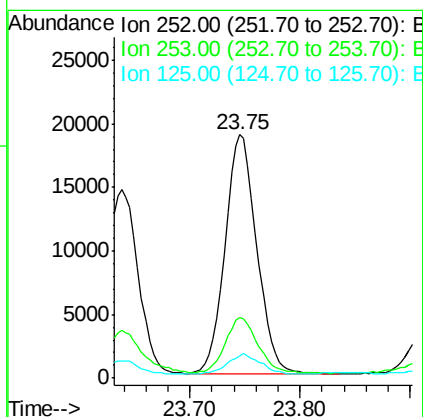
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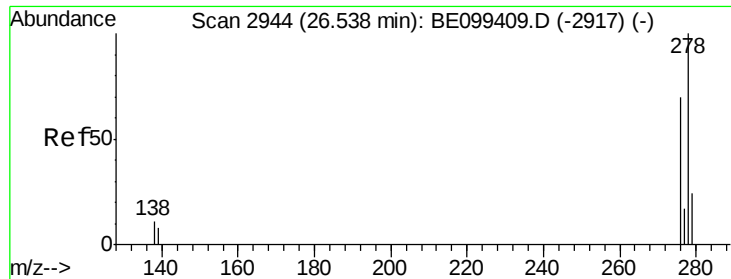
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#37
Benzo(a)pyrene
Concen: 0.394 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.9	28.3
125	9.2	6.7	10.1





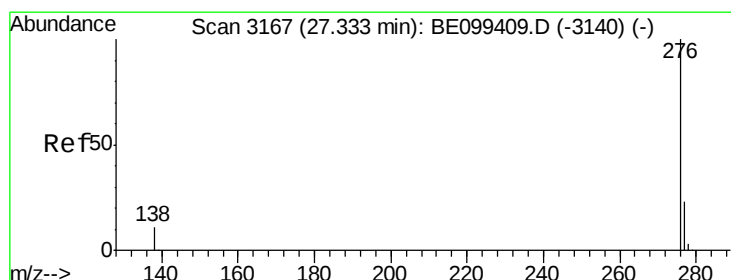
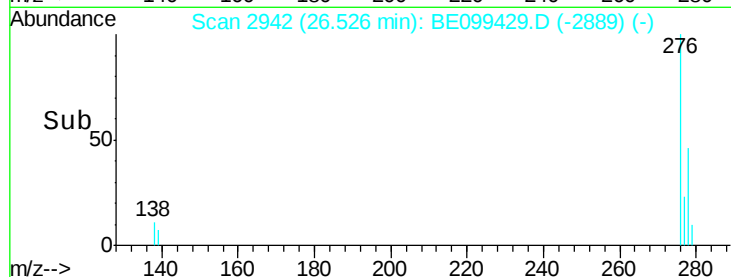
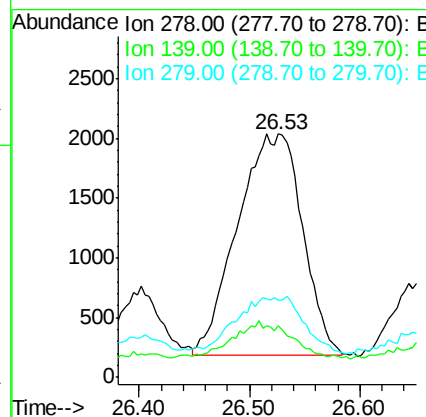
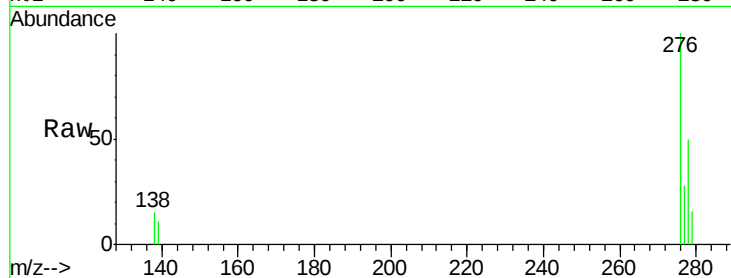
#38
Dibenzo(a,h)anthracene
Concen: 0.077 ng m
RT: 26.53 min Scan# 2942
Delta R.T. -0.01 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

Instrument :
BNA_E
ClientSampleId :
PST-004-B202-042319

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.2	7.7	11.5#
279	31.7	20.2	30.2#

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#39
Benzo(g,h,i)perylene
Concen: 0.304 ng
RT: 27.31 min Scan# 3163
Delta R.T. -0.02 min
Lab File: BE099429.D
Acq: 30 Apr 2019 16:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.5	29.3
138	11.7	9.6	14.4

