

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
 Data File : BE099482.D
 Acq On : 2 May 2019 2:48
 Operator : JU/SJ
 Sample : K2569-10
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-SW021-042319

Manual Integrations
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 5/2/2019 4:47:53 PM

Quant Time: May 02 08:42:38 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	2274	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	8740	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	7012	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	23489	0.40	ng	0.00
27) Chrysene-d12	21.37	240	28830	0.40	ng	0.00
34) Perylene-d12	23.86	264	32674	0.40	ng	0.00

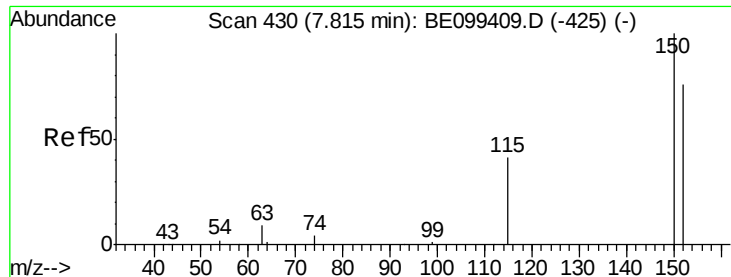
System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2537	0.40	ng	0.00
5) Phenol-d6	6.96	99	3848	0.46	ng	-0.01
8) Nitrobenzene-d5	8.97	82	2882	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4483	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1539	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	6251	0.23	ng	-0.01
25) Fluoranthene-d10	19.22	212	55814	0.18	ng	0.00
29) Terphenyl-d14	19.81	244	16074	0.30	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	5280	0.055	ng	# 96
12) 2-Methylnaphthalene	12.27	142	759	0.046	ng	# 94
17) Acenaphthene	14.51	154	427	0.022	ng	# 82
18) Fluorene	15.49	166	1233	0.043	ng	# 95
23) Phenanthrene	17.23	178	66765	1.102	ng	99
24) Anthracene	17.32	178	13817	0.239	ng	96
26) Fluoranthene	19.25	202	320513	3.530	ng	100
28) Pyrene	19.61	202	275994	3.673	ng	# 94
30) Benzo(a)anthracene	21.34	228	207839	2.263	ng	97
31) Chrysene	21.40	228	205549	2.287	ng	98
32) Bis(2-ethylhexyl)phthalate	21.27	149	89271	0.617	ng	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	130628	1.230	ng	98
35) Benzo(b)fluoranthene	23.10	252	255993	2.717	ng	99
36) Benzo(k)fluoranthene	23.14	252	95752m	1.054	ng	
37) Benzo(a)pyrene	23.75	252	183148m	2.056	ng	
38) Dibenzo(a,h)anthracene	26.52	278	32876	0.361	ng	# 95
39) Benzo(g,h,i)perylene	27.33	276	124750	1.367	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099482.D

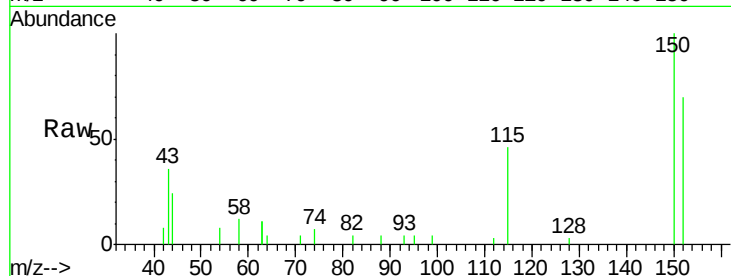
Acq: 2 May 2019 2:48

Instrument :

BNA_E

ClientSampleId :

PST-004-SW021-042319



Tgt Ion:152 Resp: 2274

Ion Ratio Lower Upper

152 100

150 142.7 104.8 157.2

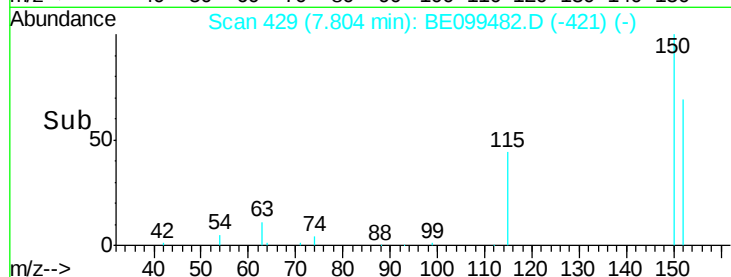
115 65.7 46.6 69.8

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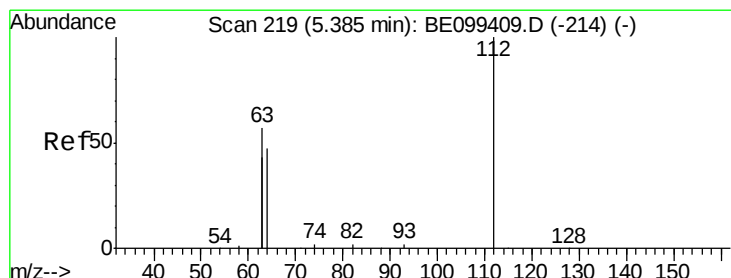
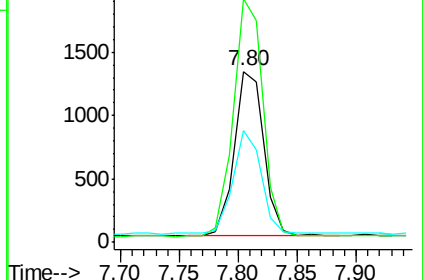
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.403 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099482.D

Acq: 2 May 2019 2:48

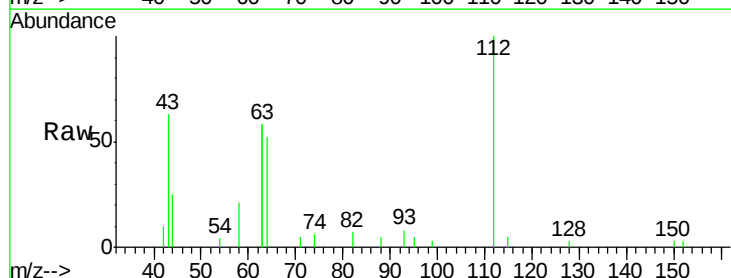
Tgt Ion:112 Resp: 2537

Ion Ratio Lower Upper

112 100

64 56.5 47.4 71.0

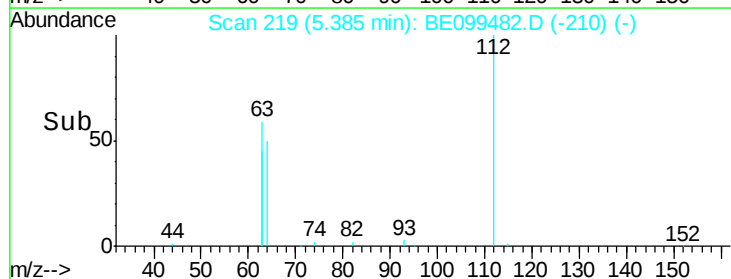
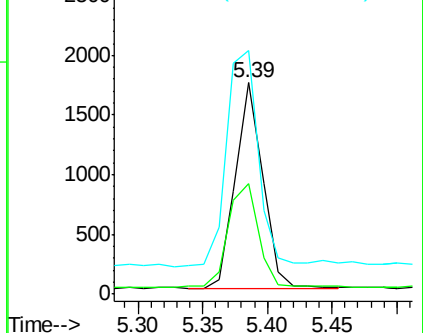
63 121.3 104.3 156.5

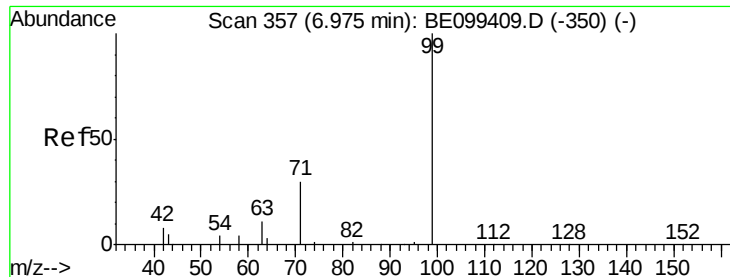


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.460 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099482.D

Acq: 2 May 2019 2:48

Instrument :

BNA_E

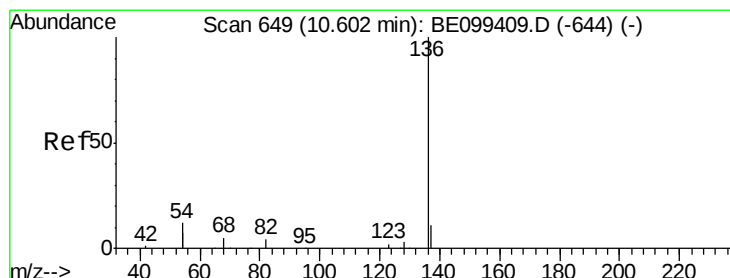
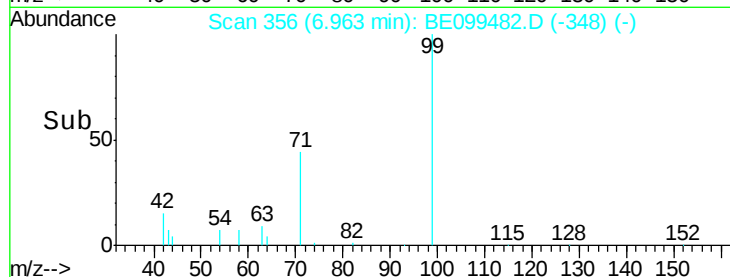
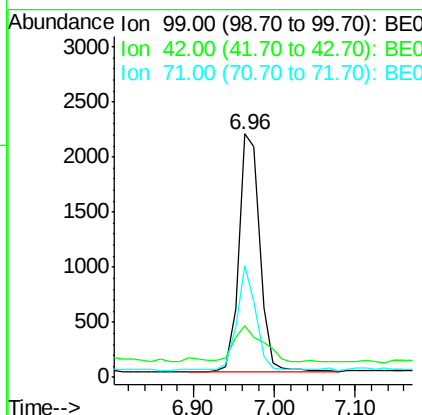
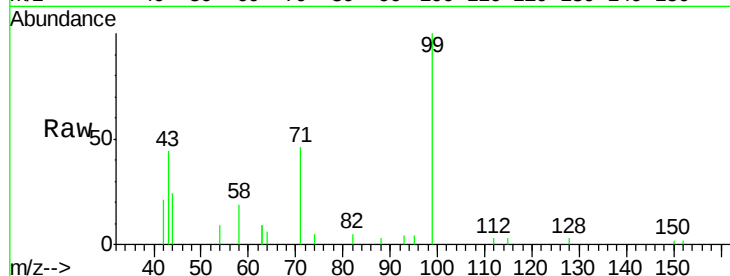
ClientSampleId :

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Tgt Ion:	99	Resp:	3848
Ion	Ratio	Lower	Upper
99	100		
42	19.9	14.9	22.3
71	39.2	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

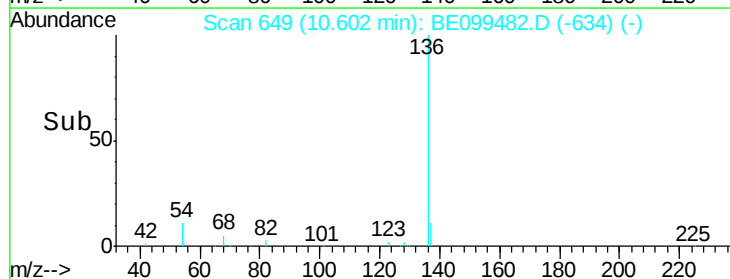
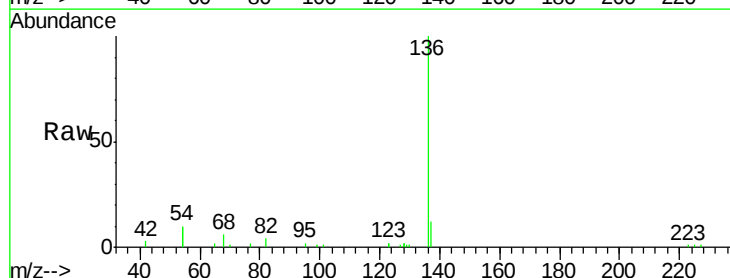
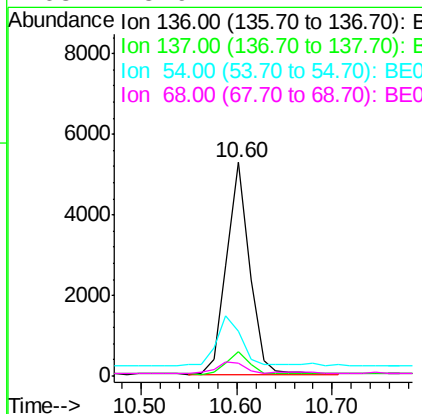
RT: 10.60 min Scan# 649

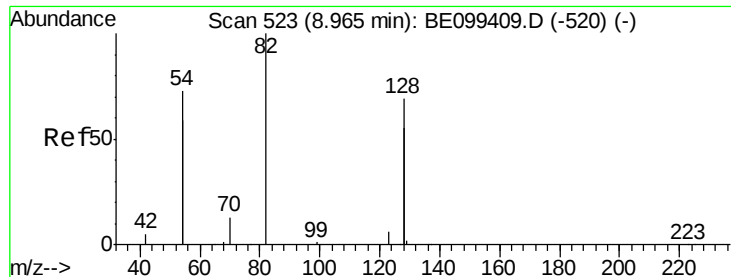
Delta R.T. 0.00 min

Lab File: BE099482.D

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Tgt Ion:	136	Resp:	8740
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.8	14.8
54	20.9	18.5	27.7
68	5.9	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.352 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099482.D

Acq: 2 May 2019 2:48

Instrument :

BNA_E

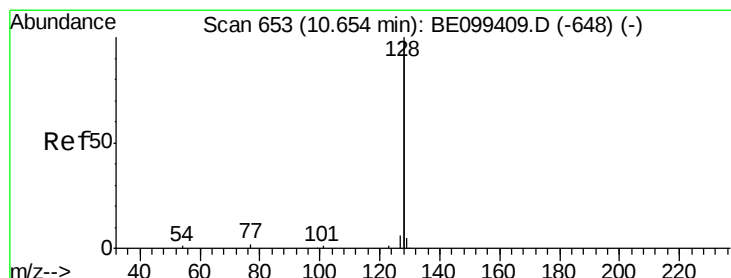
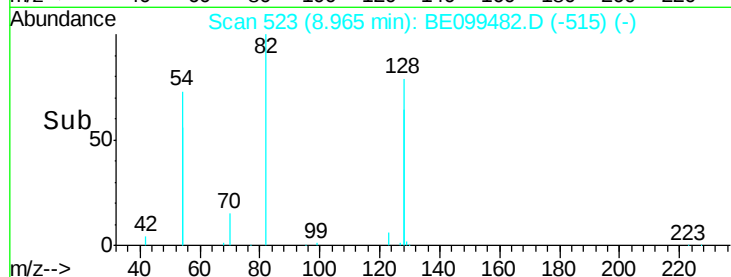
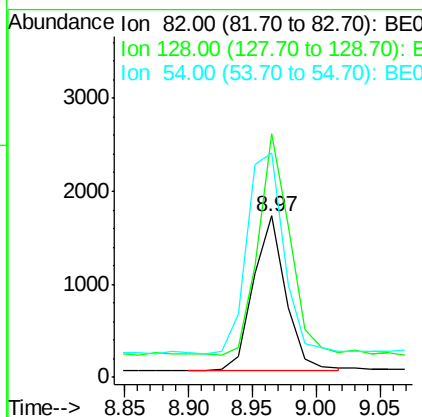
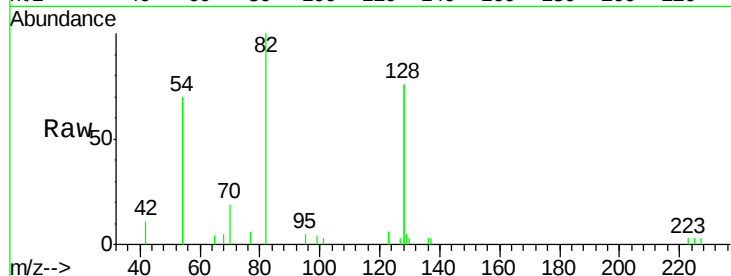
ClientSampleId :

PST-004-SW021-042319

Tgt Ion:	82	Resp:	2882
Ion Ratio	Lower	Upper	
82	100		
128	151.1	107.0	160.4
54	139.2	113.1	169.7

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#9

Naphthalene

Concen: 0.055 ng

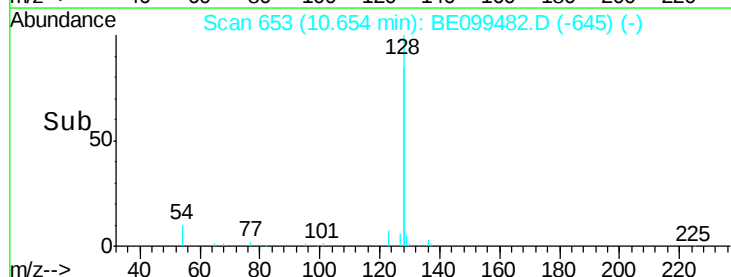
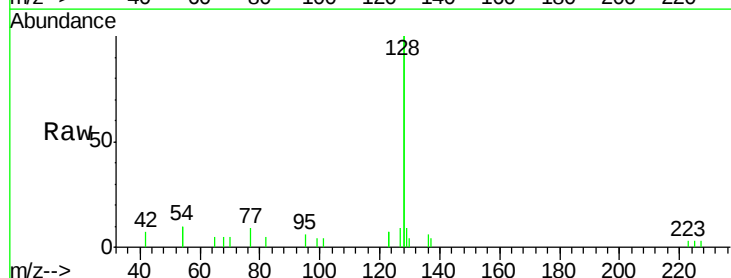
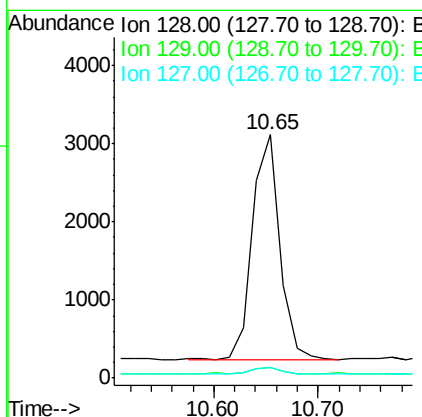
RT: 10.65 min Scan# 653

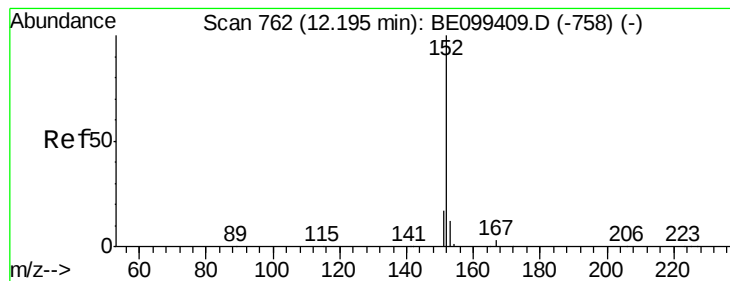
Delta R.T. 0.00 min

Lab File: BE099482.D

Acq: 2 May 2019 2:48

Tgt Ion:	128	Resp:	5280
Ion Ratio	Lower	Upper	
128	100		
129	4.6	2.4	3.6#
127	4.6	2.8	4.2#





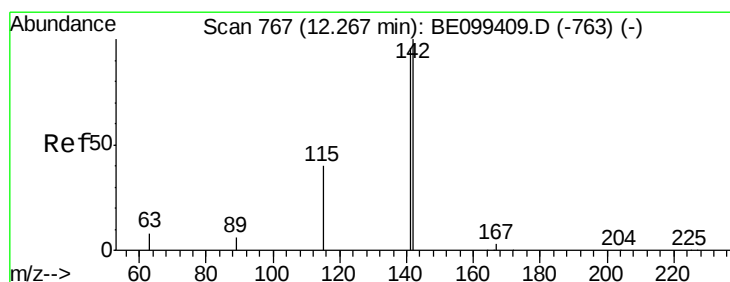
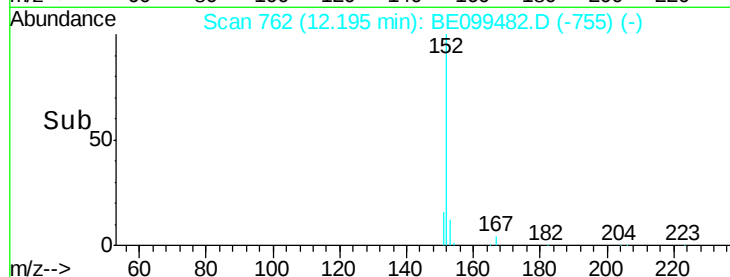
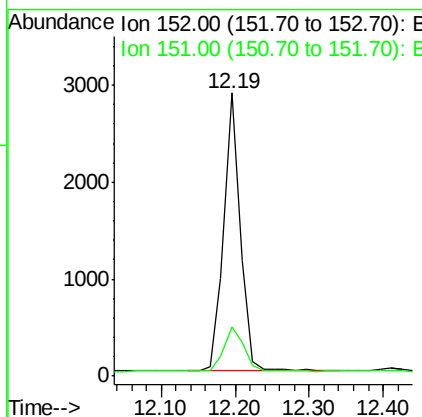
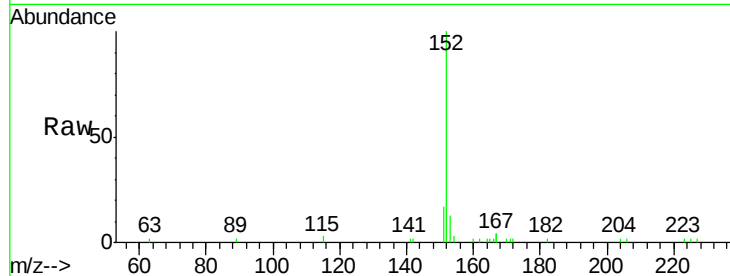
#11
 2-Methylnaphthalene-d10
 Concen: 0.285 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099482.D
 Acq: 2 May 2019 2:48

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-SW021-042319

Tgt Ion:152 Resp: 4483
 Ion Ratio Lower Upper
 152 100
 151 18.8 15.5 23.3

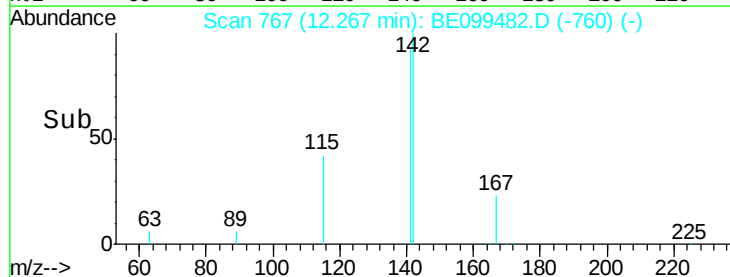
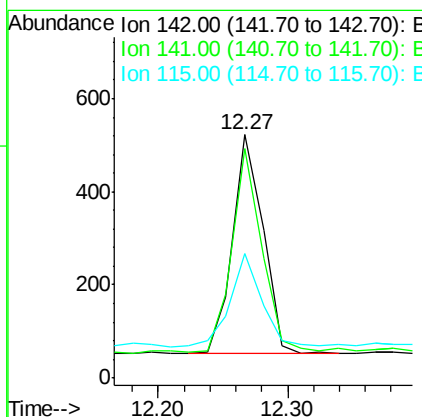
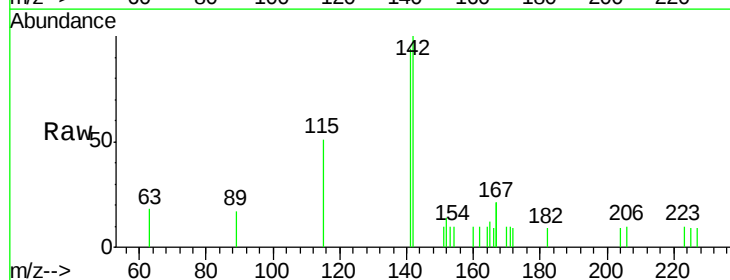
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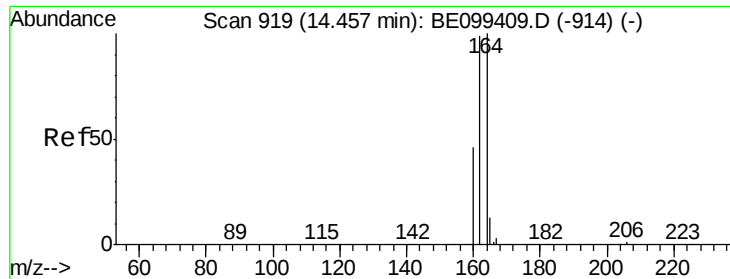
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#12
 2-Methylnaphthalene
 Concen: 0.046 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099482.D
 Acq: 2 May 2019 2:48

Tgt Ion:142 Resp: 759
 Ion Ratio Lower Upper
 142 100
 141 94.3 77.0 115.4
 115 50.9 33.4 50.0#





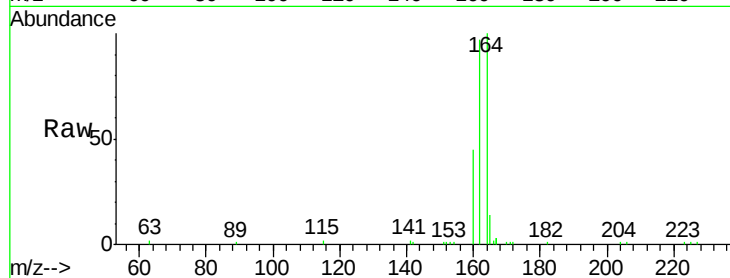
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099482.D
 Acq: 2 May 2019 2:48

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-SW021-042319

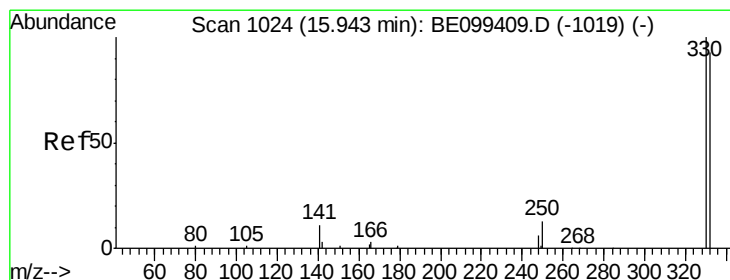
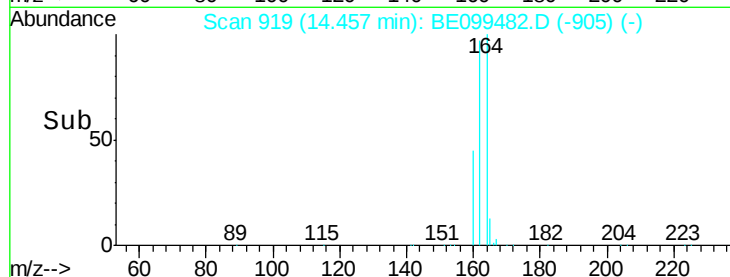
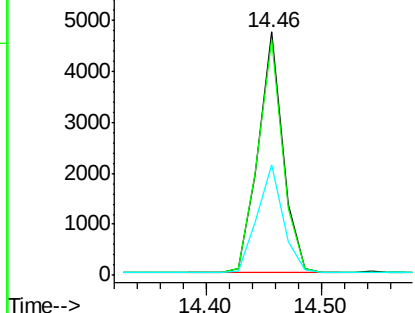
Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.9	79.0	118.4
160	45.2	37.0	55.4

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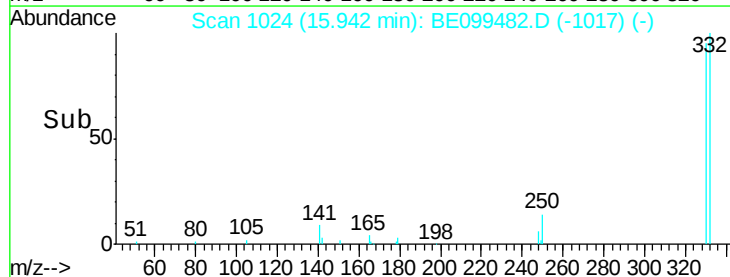
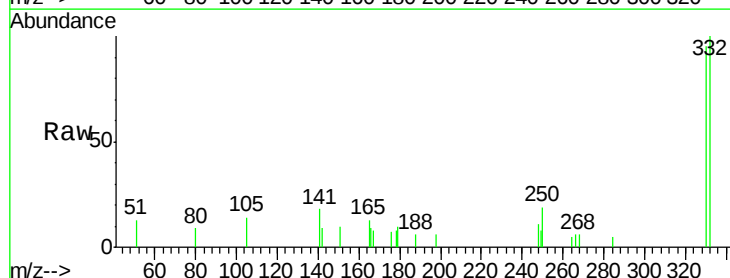
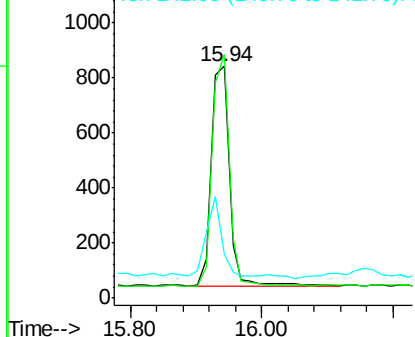
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

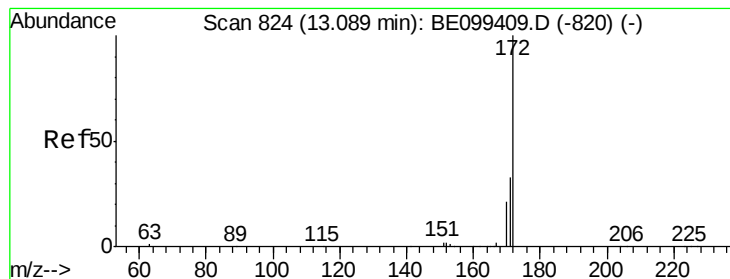


#14
 2,4,6-Tribromophenol
 Concen: 0.348 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE099482.D
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	71.5	107.3
141	29.2	24.0	36.0

Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





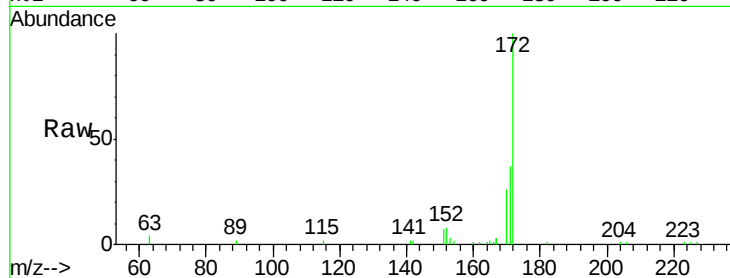
#15
2-Fluorobiphenyl
Concen: 0.234 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099482.D
Acq: 2 May 2019 2:48

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ClientSampleId :
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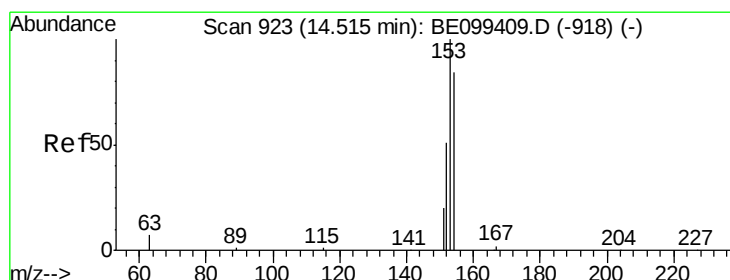
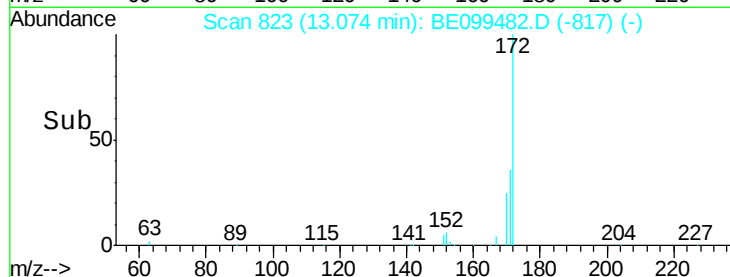
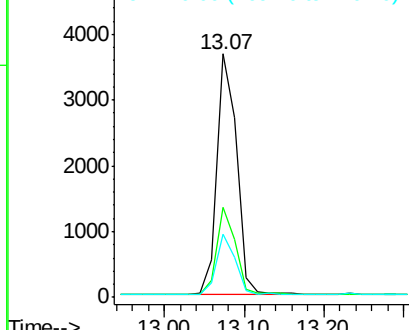
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	26.6	39.8
170	25.8	17.0	25.6

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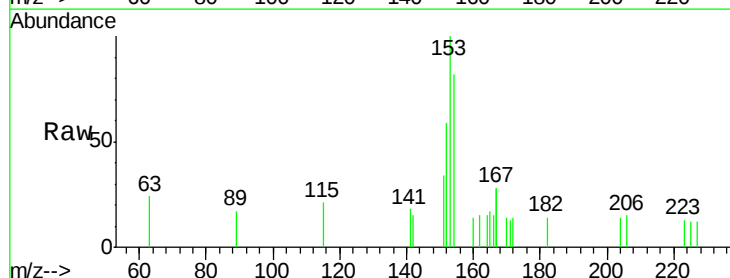


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

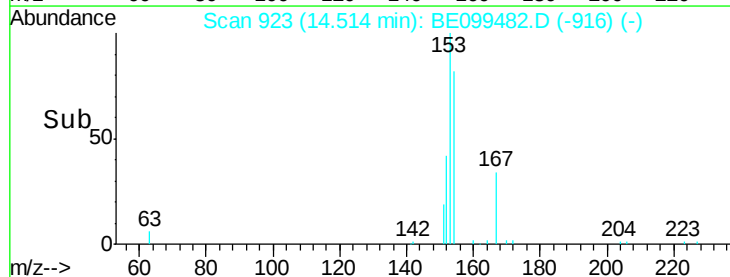
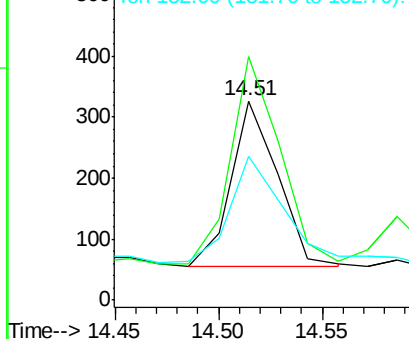


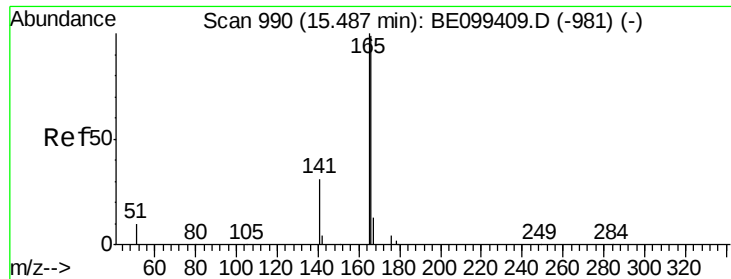
#17
Acenaphthene
Concen: 0.022 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099482.D
Acq: 2 May 2019 2:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	132.6	92.6	138.8
152	73.8	45.8	68.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





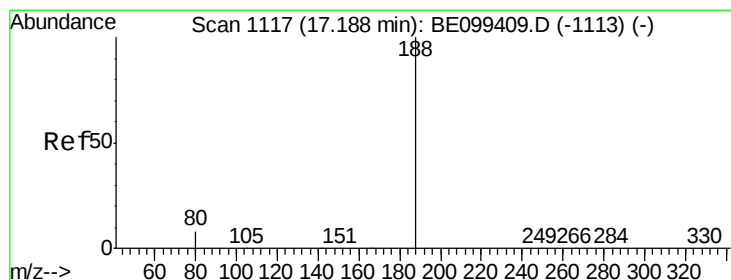
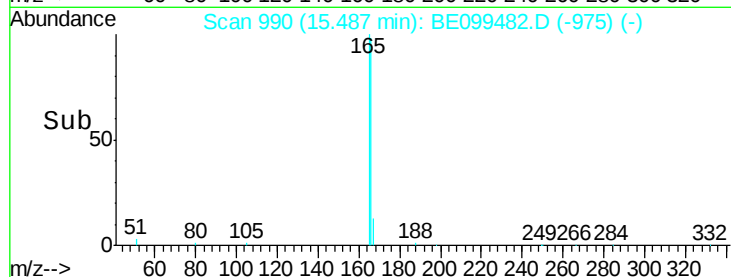
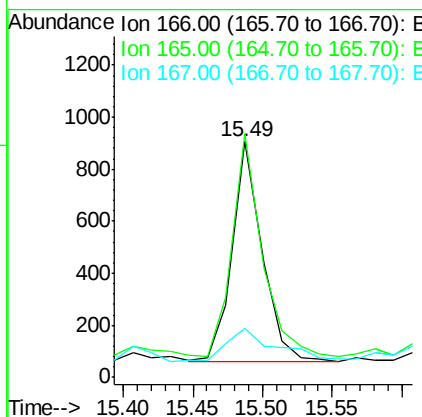
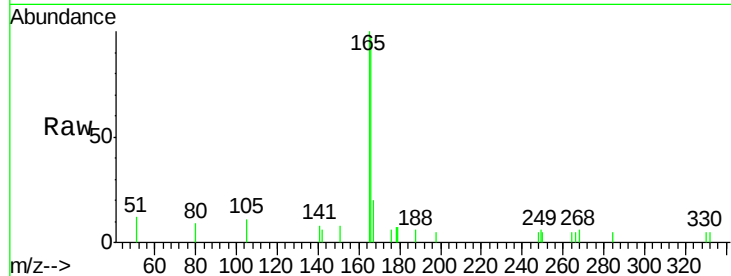
#18
Fluorene
 Concen: 0.043 ng
 RT: 15.49 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: BE099482.D
 Acq: 2 May 2019 2:48

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-SW021-042319

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1233		
165	102.1	80.3	120.5	
167	25.0	10.7	16.1	

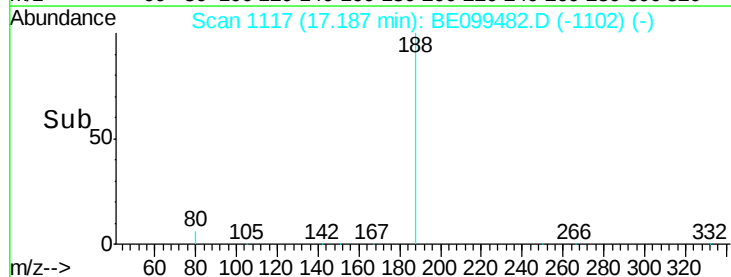
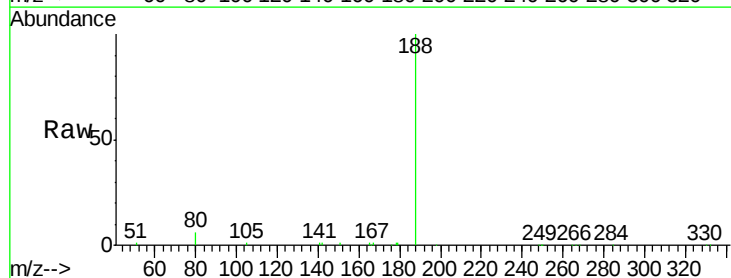
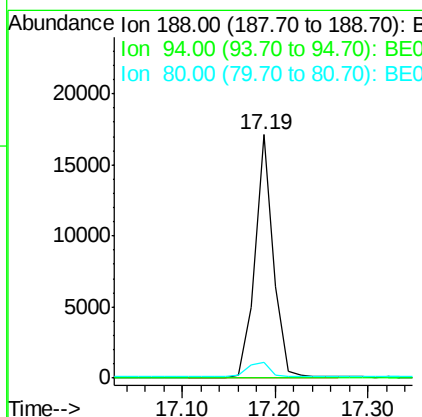
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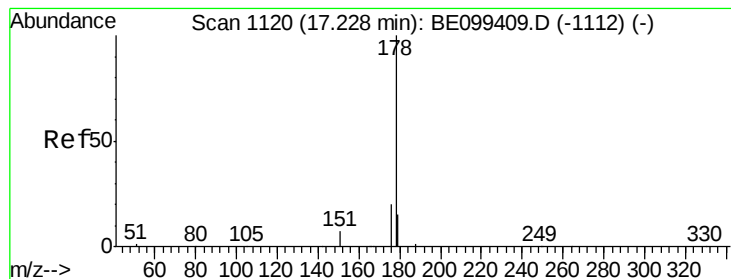
Sohil
 5/2/2019 4:47:53 PM



#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.00 min
 Lab File: BE099482.D
 Acq: 2 May 2019 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	23489		
94	0.0	0.0	0.0	
80	6.4	6.7	10.1	





#23

Phenanthrene

Concen: 1.102 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099482.D

Acq: 2 May 2019 2:48

Instrument :

BNA_E

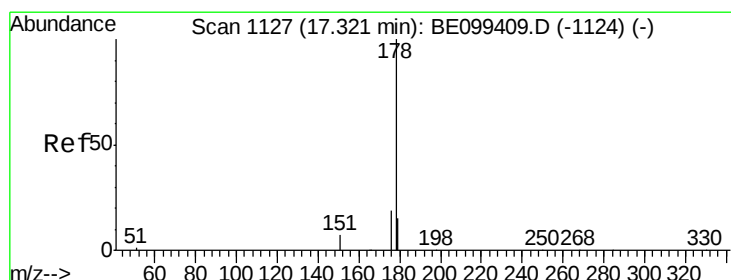
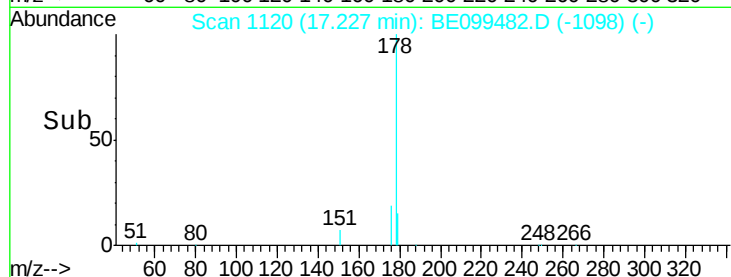
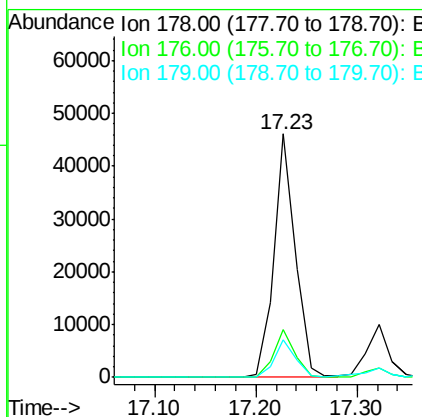
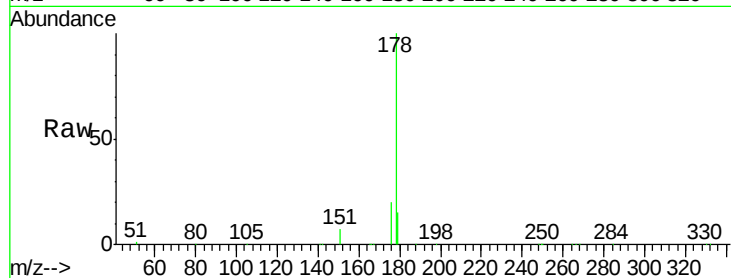
ClientSampleId :

PST-004-SW021-042319

Tgt Ion:	178	Resp:	66765
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.6	23.4
179	15.4	12.0	18.0

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#24

Anthracene

Concen: 0.239 ng

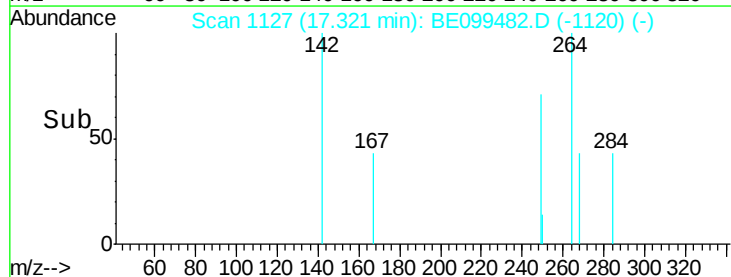
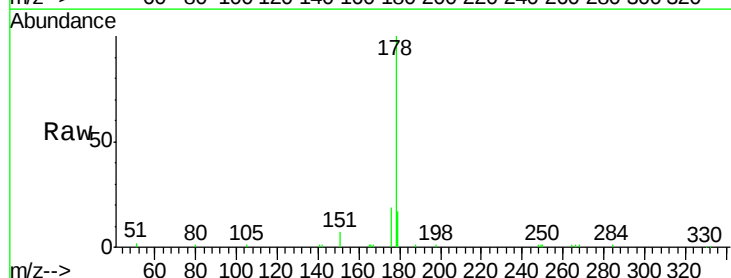
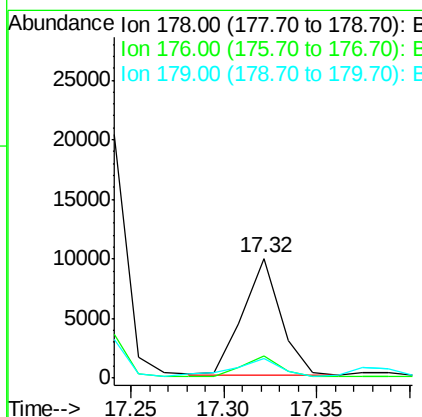
RT: 17.32 min Scan# 1127

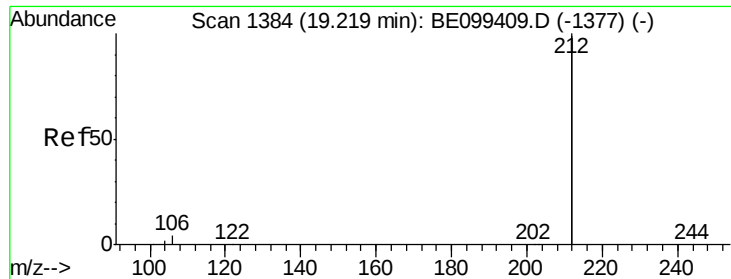
Delta R.T. -0.00 min

Lab File: BE099482.D

Acq: 2 May 2019 2:48

Tgt Ion:	178	Resp:	13817
Ion Ratio	Lower	Upper	
178	100		
176	19.4	14.9	22.3
179	17.3	11.9	17.9





#25

Fluoranthene-d10

Concen: 0.176 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099482.D

Acq: 2 May 2019 2:48

Instrument :

BNA_E

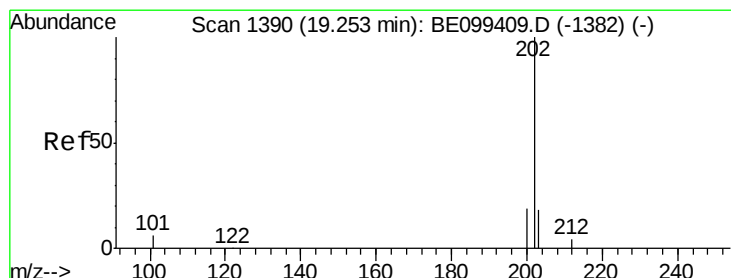
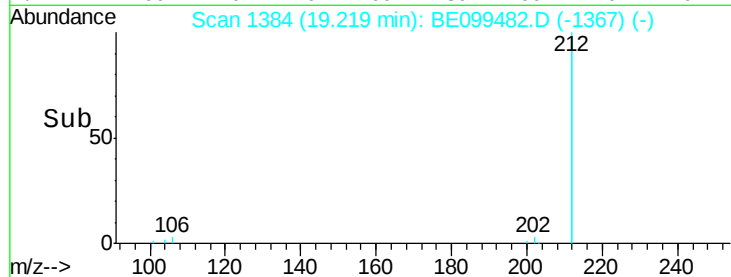
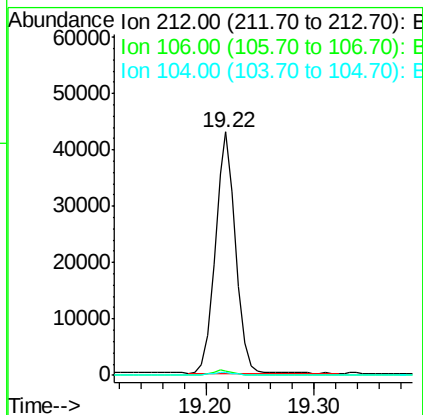
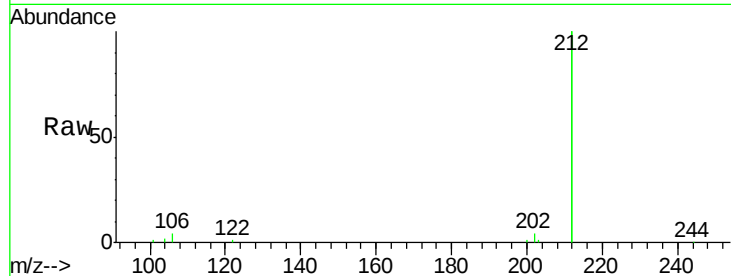
ClientSampleId :

PST-004-SW021-042319

Tgt Ion	Ratio	Resp	Lower	Upper
212	100	55814		
106	1.9		1.5	2.3
104	1.2		0.9	1.3

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#26

Fluoranthene

Concen: 3.530 ng

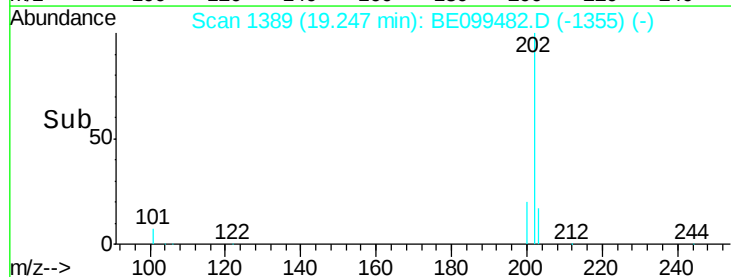
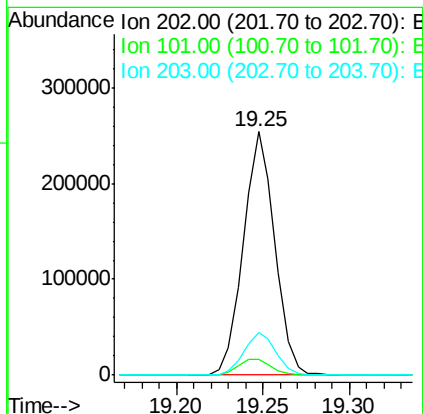
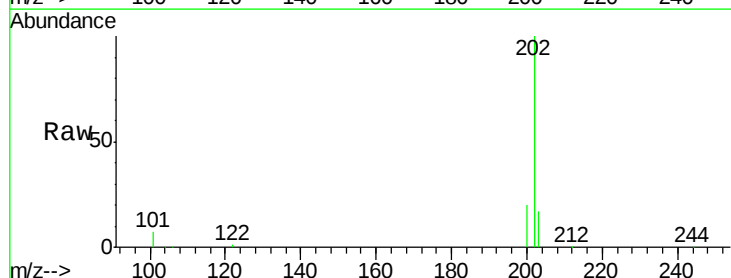
RT: 19.25 min Scan# 1389

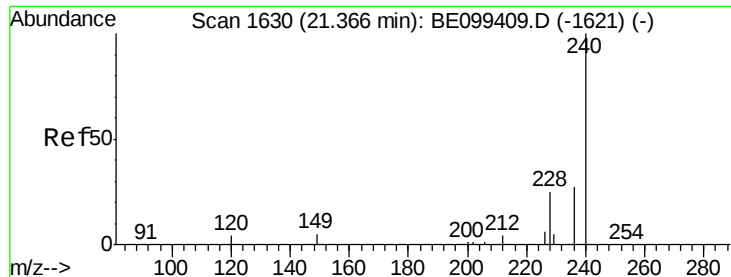
Delta R.T. -0.01 min

Lab File: BE099482.D

Acq: 2 May 2019 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	320513		
101	6.8		5.4	8.0
203	17.6		13.9	20.9





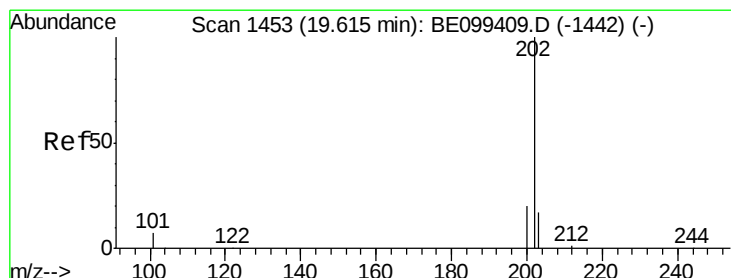
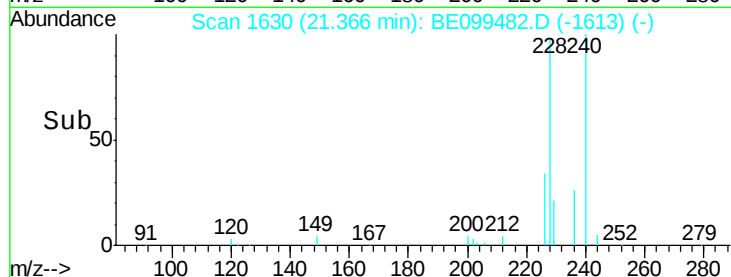
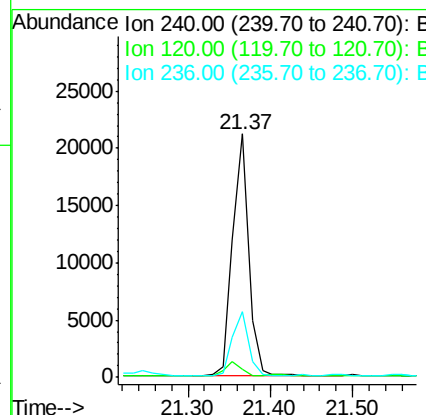
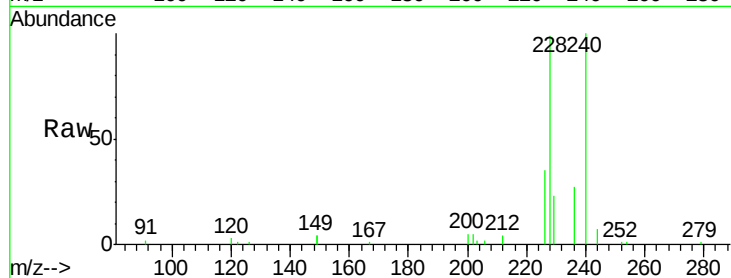
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099482.D
 Acq: 2 May 2019 2:48

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-SW021-042319

Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.4	4.0	6.0#
236	27.0	22.0	33.0

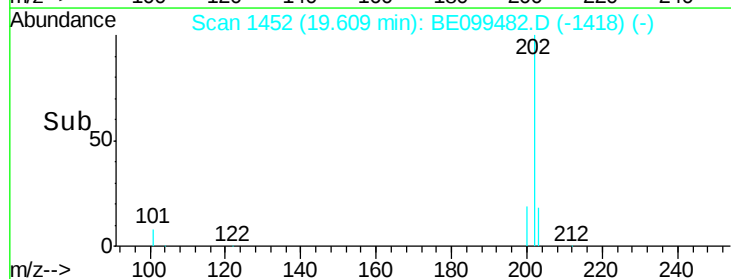
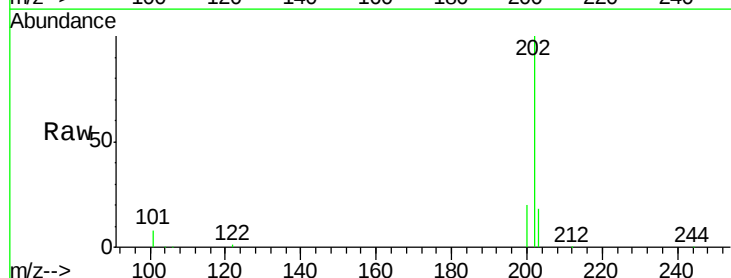
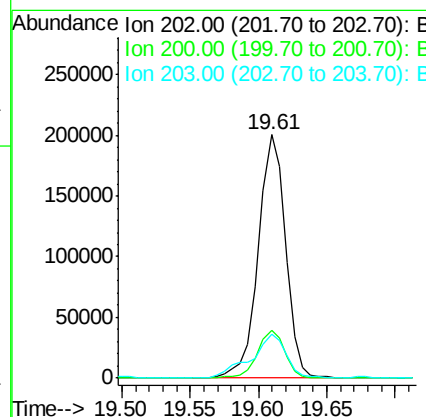
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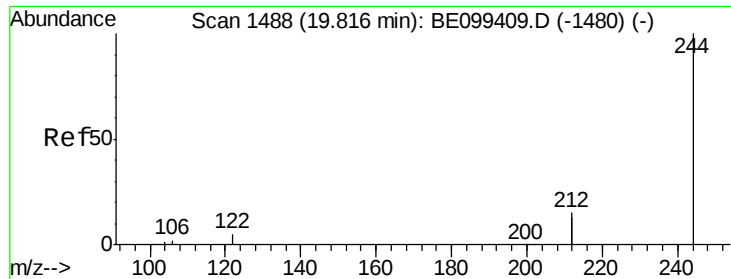
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#28
 Pyrene
 Concen: 3.673 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099482.D
 Acq: 2 May 2019 2:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.7	23.5
203	22.9	13.9	20.9#





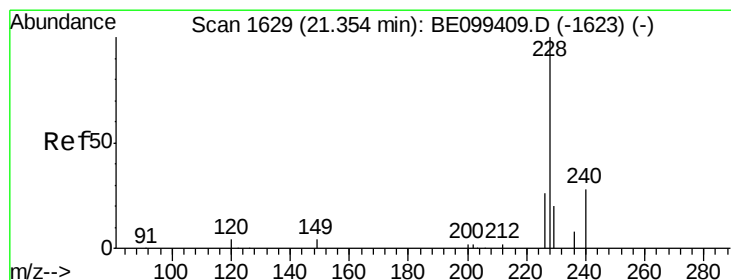
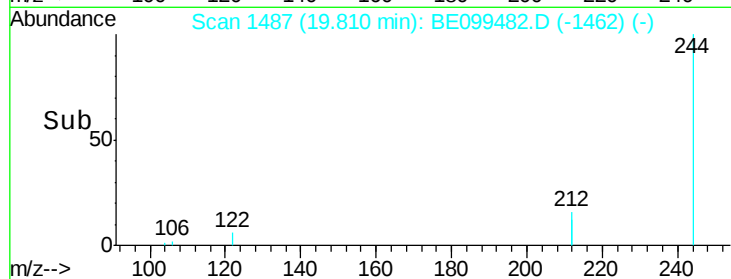
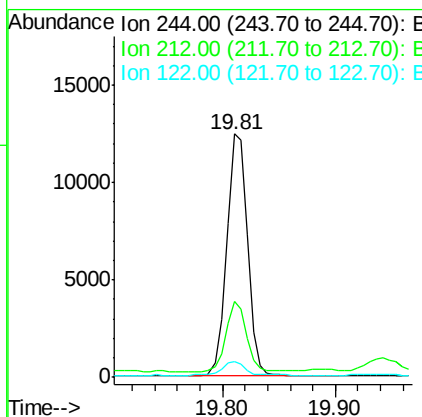
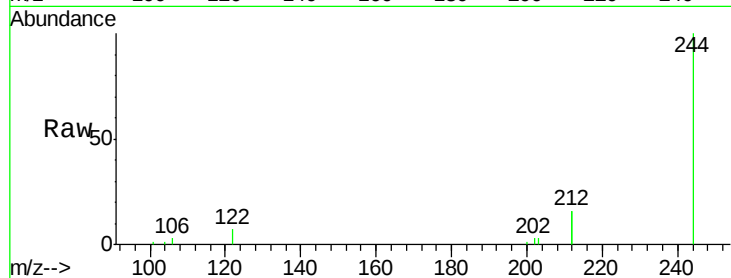
#29
 Terphenyl-d14
 Concen: 0.304 ng
 RT: 19.81 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BE099482.D
 Acq: 2 May 2019 2:48

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-SW021-042319

Tgt Ion	Ratio	Lower	Upper
244	100		
212	31.1	23.2	34.8
122	6.7	4.2	6.4

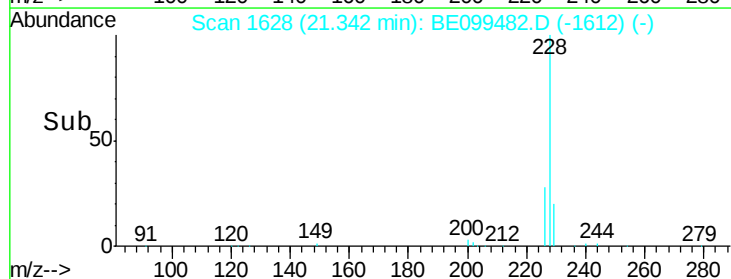
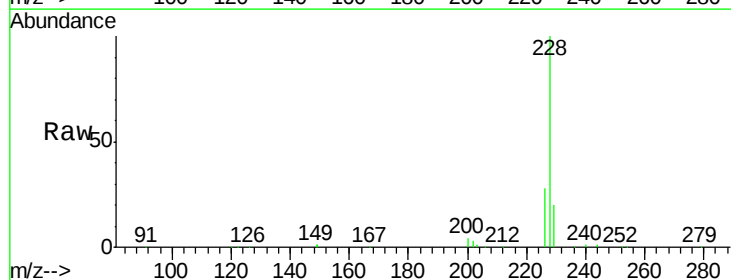
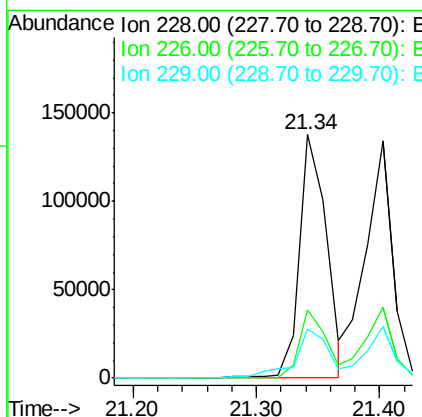
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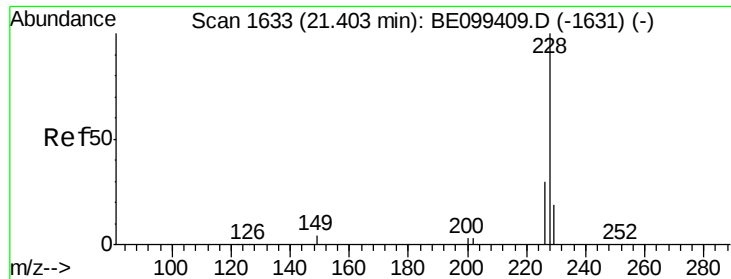
Sohil
 5/2/2019 4:47:53 PM



#30
 Benzo(a)anthracene
 Concen: 2.263 ng
 RT: 21.34 min Scan# 1628
 Delta R.T. -0.01 min
 Lab File: BE099482.D
 Acq: 2 May 2019 2:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.0	31.6
229	20.0	16.6	25.0





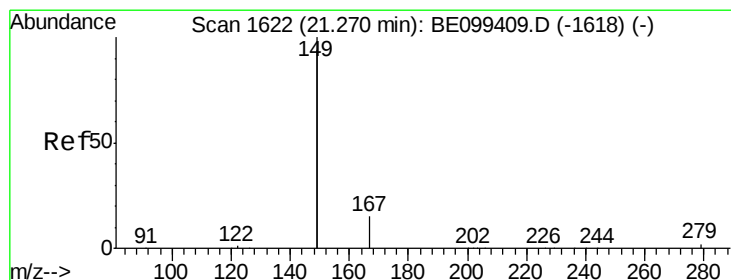
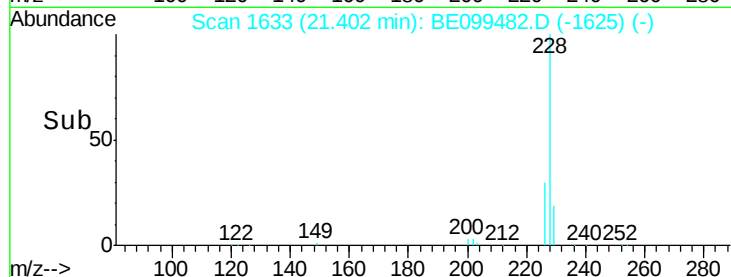
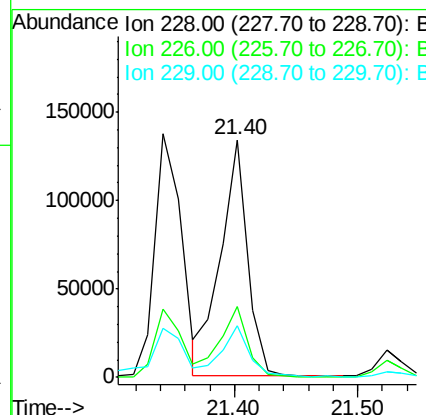
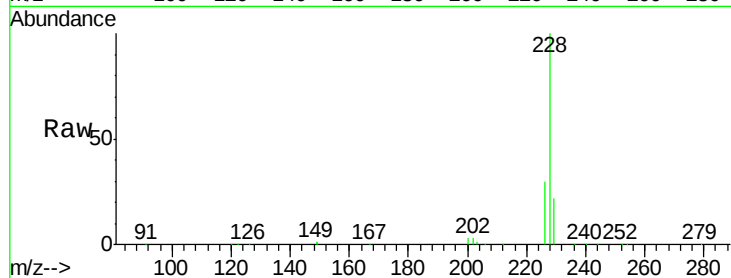
#31
Chrysene
 Concen: 2.287 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: BE099482.D
 Acq: 2 May 2019 2:48

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-SW021-042319

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	205549		
226	29.8	24.0	36.0	
229	21.6	15.8	23.8	

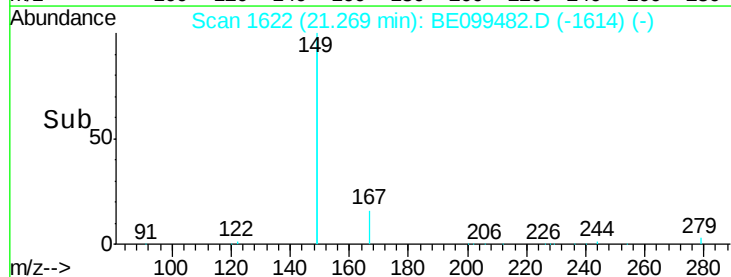
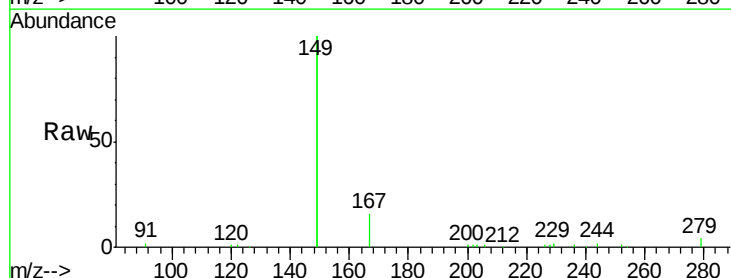
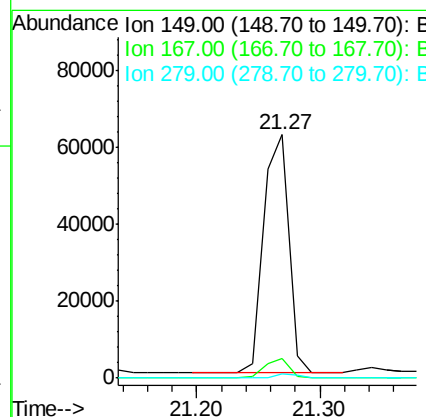
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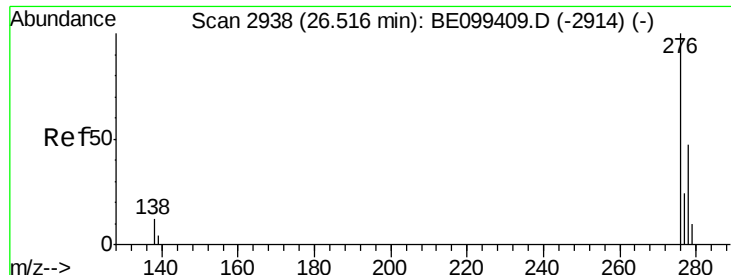
Sohil
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#32
Bis(2-ethylhexyl)phthalate
 Concen: 0.617 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE099482.D
 Acq: 2 May 2019 2:48

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	89271		
167	7.4	5.8	8.6	
279	1.4	1.0	1.6	





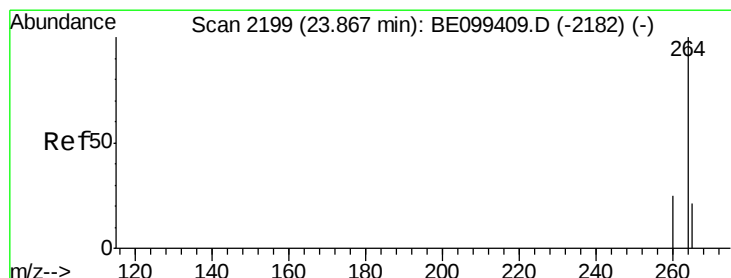
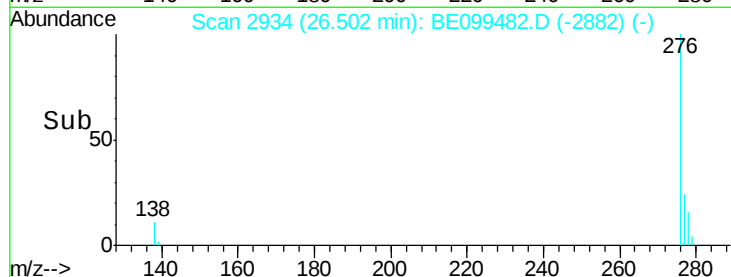
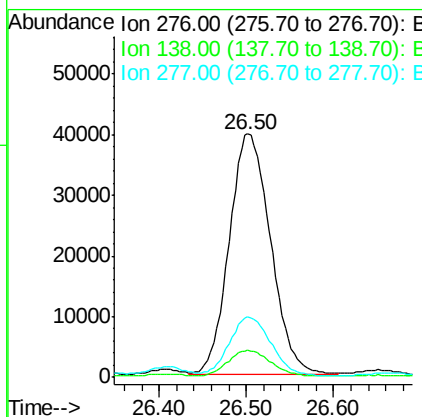
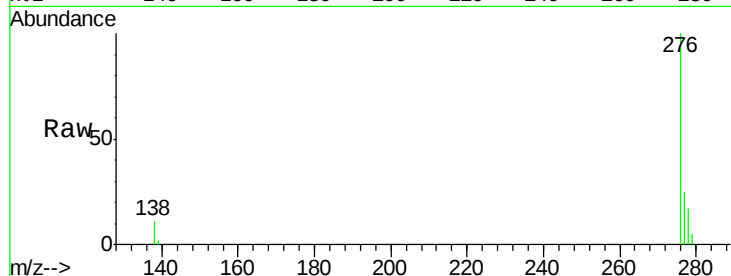
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.230 ng
 RT: 26.50 min Scan# 2934
 Delta R.T. -0.01 min
 Lab File: BE099482.D
 Acq: 2 May 2019 2:48

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-SW021-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	10.9	10.2	15.2
277	24.4	19.2	28.8

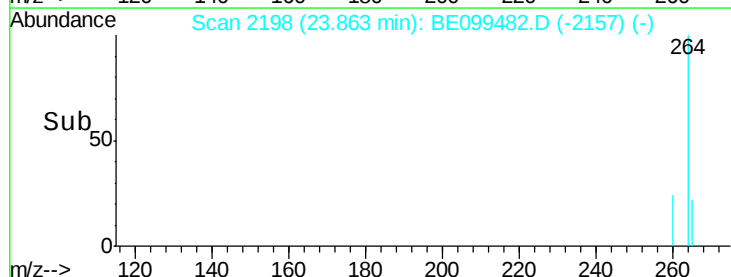
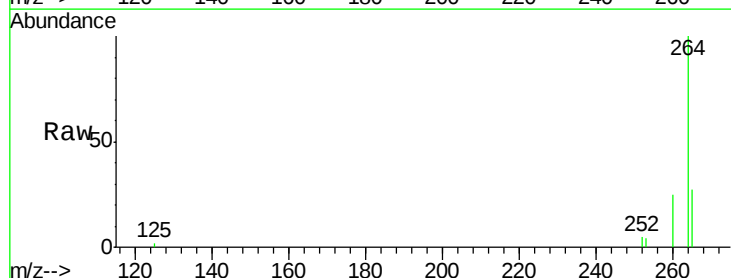
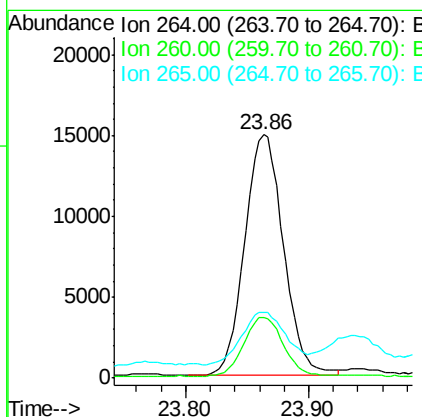
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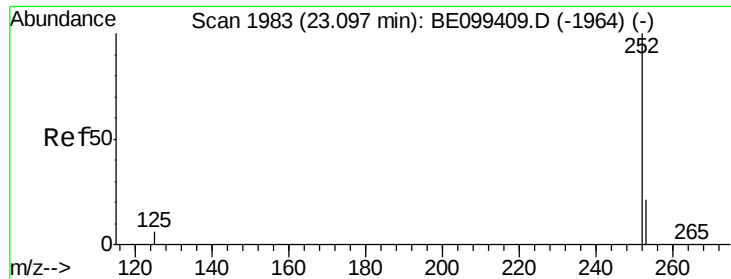
Sohil
 5/2/2019 4:47:53 PM



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BE099482.D
 Acq: 2 May 2019 2:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.1	20.2	30.2
265	27.1	21.3	31.9





#35

Benzo(b)fluoranthene

Concen: 2.717 ng

RT: 23.10 min Scan# 1983

Delta R.T. 0.00 min

Lab File: BE099482.D

Acq: 2 May 2019 2:48

Instrument :

BNA_E

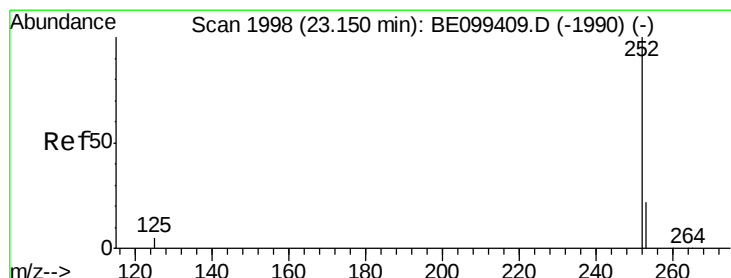
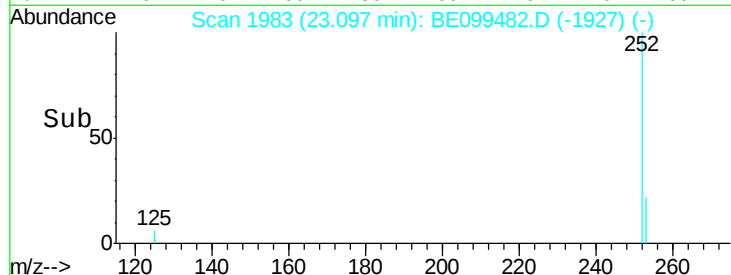
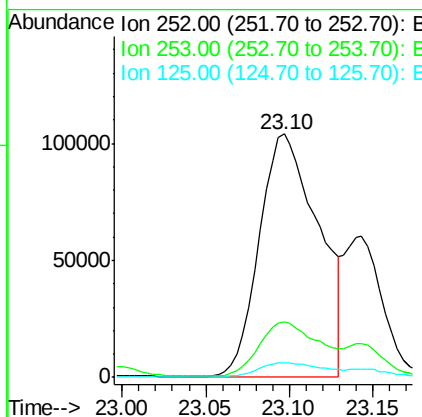
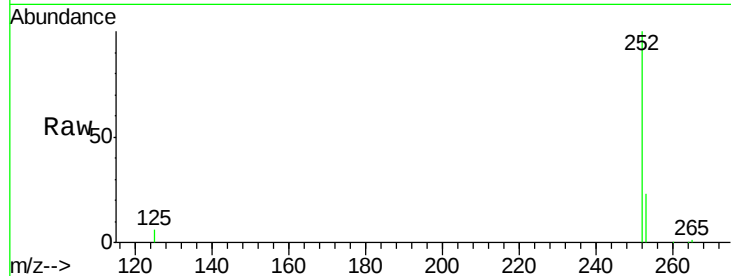
ClientSampleId :

PST-004-SW021-042319

Tgt Ion:	252	Resp:	255993
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.1	27.1
125	6.1	5.6	8.4

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#36

Benzo(k)fluoranthene

Concen: 1.054 ng m

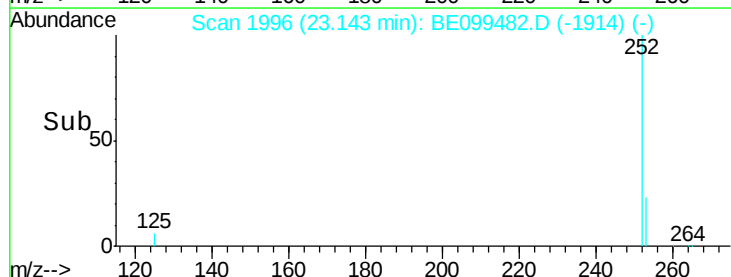
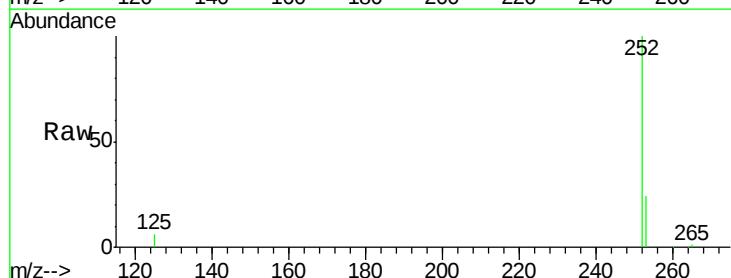
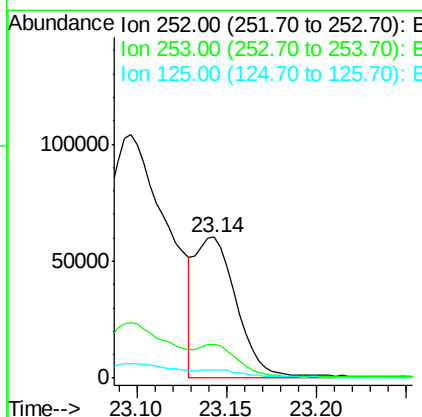
RT: 23.14 min Scan# 1996

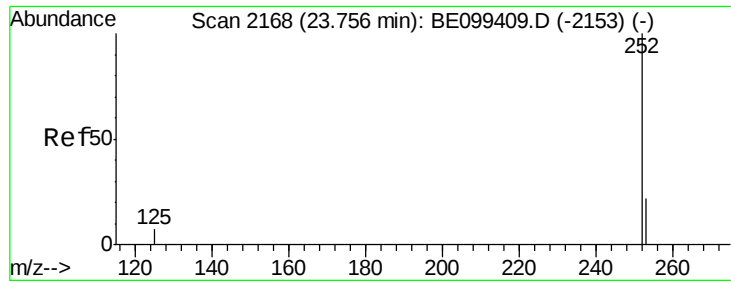
Delta R.T. -0.01 min

Lab File: BE099482.D

Acq: 2 May 2019 2:48

Tgt Ion:	252	Resp:	95752
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.4	27.6
125	6.0	5.0	7.4





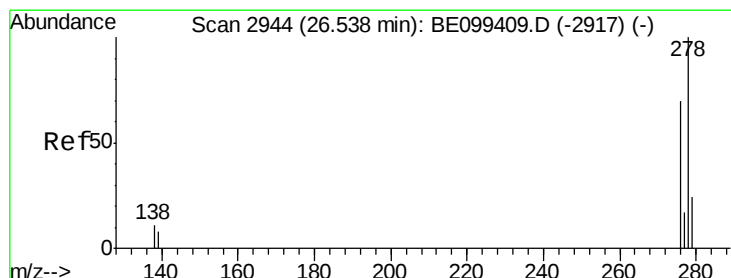
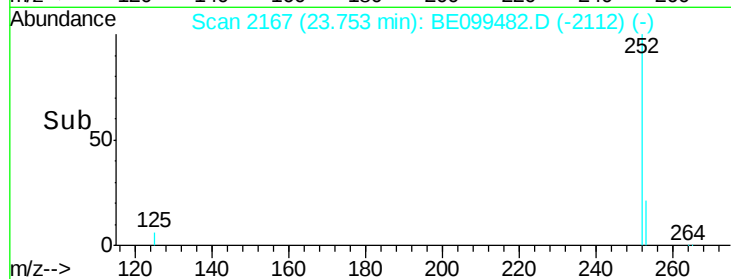
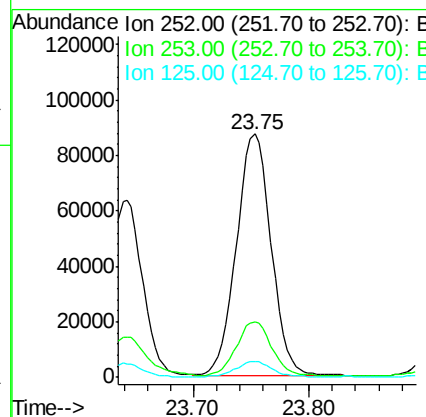
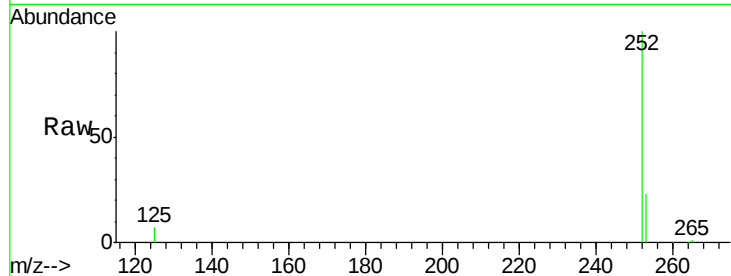
#37
Benzo(a)pyrene
Concen: 2.056 ng m
RT: 23.75 min Scan# 2167
Delta R.T. -0.00 min
Lab File: BE099482.D
Acq: 2 May 2019 2:48

Instrument :
BNA_E
ClientSampleId :
PST-004-SW021-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.9	28.3
125	6.5	6.7	10.1

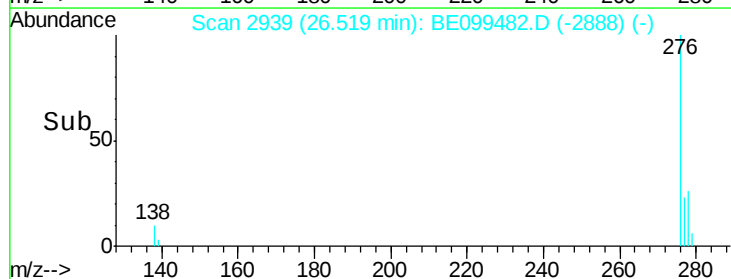
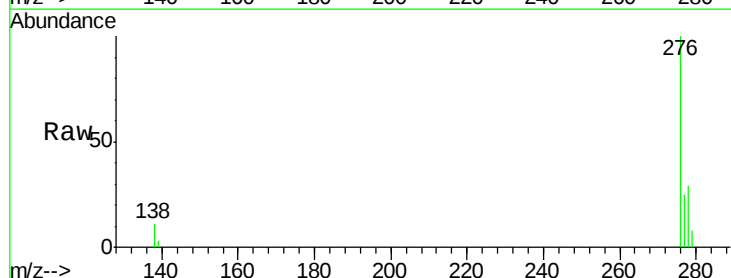
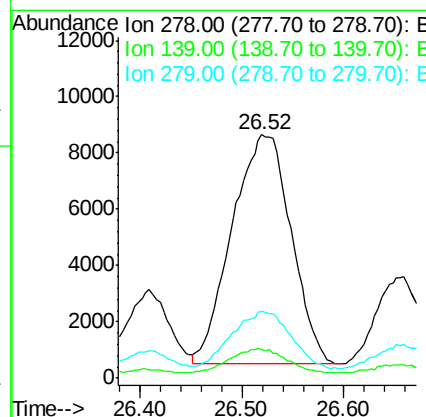
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APPROVED

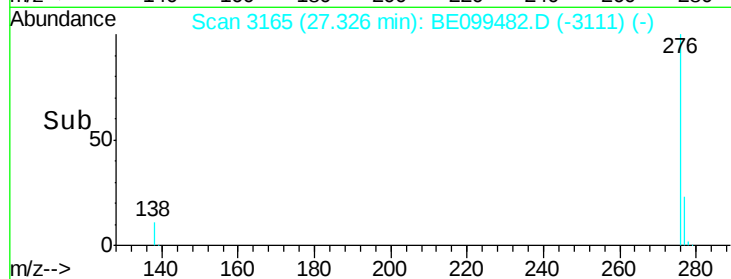
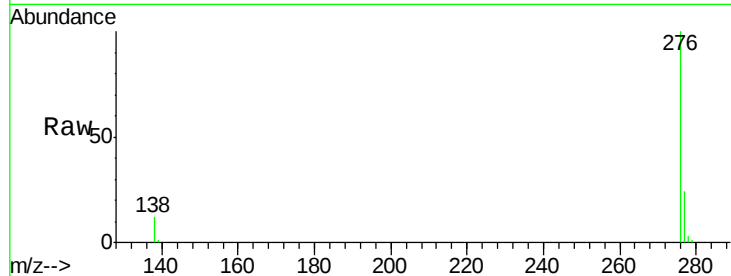
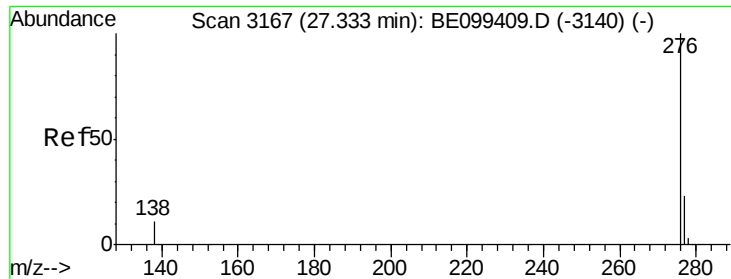
Sohil
5/2/2019 4:47:53 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.361 ng
RT: 26.52 min Scan# 2939
Delta R.T. -0.02 min
Lab File: BE099482.D
Acq: 2 May 2019 2:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.9	7.7	11.5
279	27.4	20.2	30.2





#39

Benzo(g,h,i)perylene

Concen: 1.367 ng

RT: 27.33 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BE099482.D

Acq: 2 May 2019 2:48

Instrument :

BNA_E

ClientSampleId :

PST-004-SW021-042319

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		124750		
277	23.8	19.5	29.3		
138	11.5	9.6	14.4		

Manual Integrations
APPROVED

Sohil
5/2/2019 4:47:53 PM

