

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
 Data File : BE099541.D
 Acq On : 3 May 2019 21:53
 Operator : JU/SJ
 Sample : K2587-14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-SW091-042319

Manual Integrations
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mohammad
 5/7/2019 11:57:17 PM

Quant Time: May 04 02:25:10 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	7.82	152	2582	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	9785	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	7708	0.40	ng	0.01
19) Phenanthrene-d10	17.20	188	21743	0.40	ng	0.01
27) Chrysene-d12	21.38	240	24862	0.40	ng	0.01
34) Perylene-d12	23.89	264	28636	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	1712	0.24	ng	0.00
5) Phenol-d6	6.98	99	2348	0.25	ng	0.00
8) Nitrobenzene-d5	8.96	82	2006	0.22	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	3481	0.20	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	1083	0.22	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	5178	0.18	ng	0.00
25) Fluoranthene-d10	19.23	212	43654	0.15	ng	0.01
29) Terphenyl-d14	19.82	244	9087	0.20	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	3034	0.028	ng	# 93
12) 2-Methylnaphthalene	12.28	142	487	0.026	ng	# 90
16) Acenaphthylene	14.18	152	2175	0.058	ng	97
17) Acenaphthene	14.53	154	539	0.025	ng	97
18) Fluorene	15.50	166	977	0.031	ng	# 91
23) Phenanthrene	17.24	178	29247	0.521	ng	99
24) Anthracene	17.34	178	3651	0.068	ng	# 87
26) Fluoranthene	19.26	202	92674	1.103	ng	99
28) Pyrene	19.62	202	84303	1.301	ng	# 96
30) Benzo(a)anthracene	21.35	228	47101	0.595	ng	93
31) Chrysene	21.41	228	55885m	0.721	ng	
32) Bis(2-ethylhexyl)phthalate	21.27	149	13750	0.051	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.54	276	30603	0.334	ng	# 94
35) Benzo(b)fluoranthene	23.12	252	70373	0.852	ng	# 93
36) Benzo(k)fluoranthene	23.16	252	26527m	0.333	ng	
37) Benzo(a)pyrene	23.77	252	46550	0.596	ng	# 92
38) Dibenzo(a,h)anthracene	26.56	278	6943	0.087	ng	# 40
39) Benzo(g,h,i)perylene	27.37	276	28492	0.356	ng	# 88

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

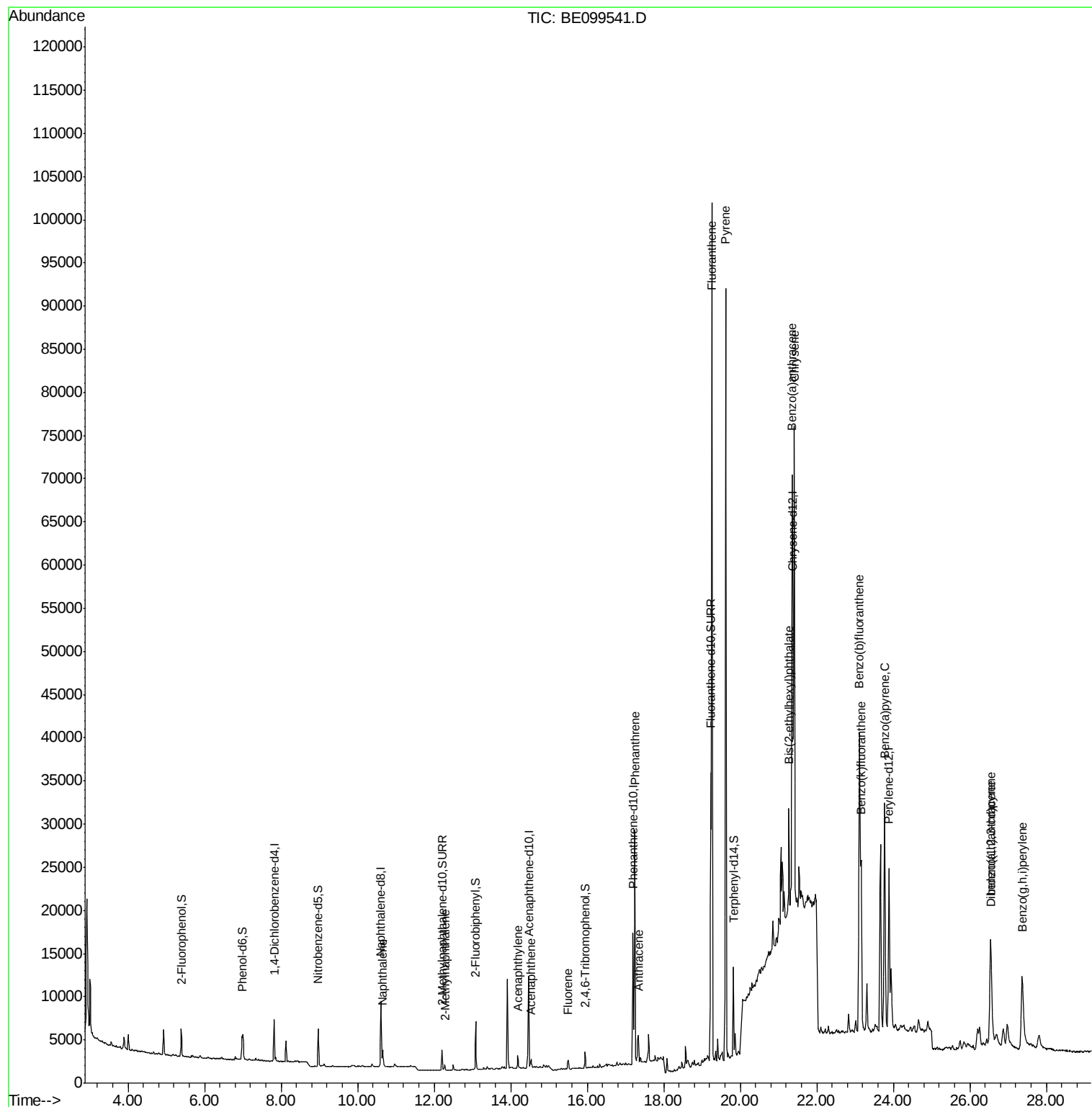
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
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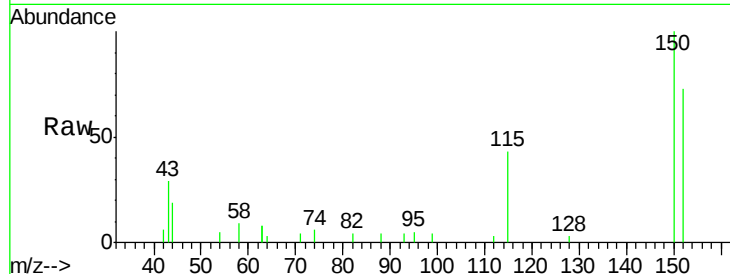




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099541.D
Acq: 3 May 2019 21:53

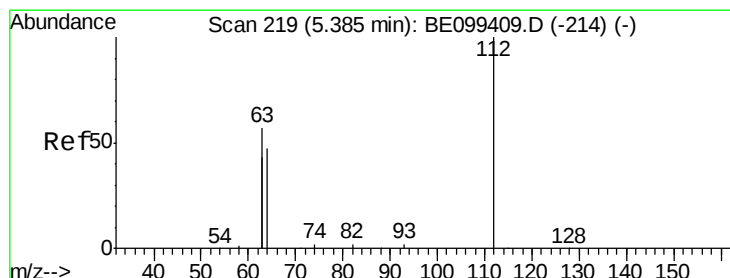
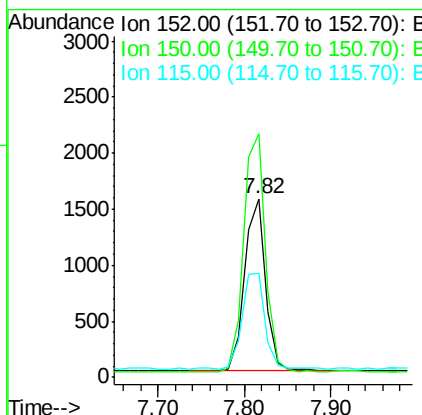
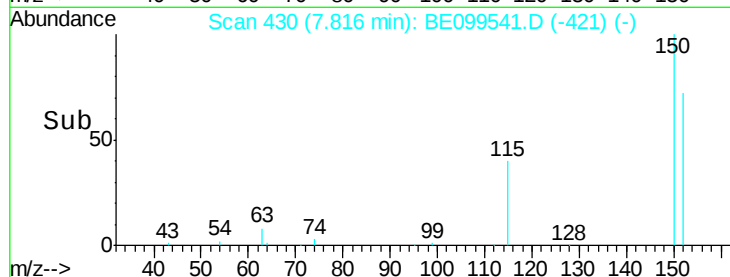
Instrument :
BNA_E
ClientSampleId :
PST-004-SW091-042319



Tgt Ion:	152	Resp:	2582
Ion	Ratio	Lower	Upper
152	100		
150	136.3	104.8	157.2
115	58.6	46.6	69.8

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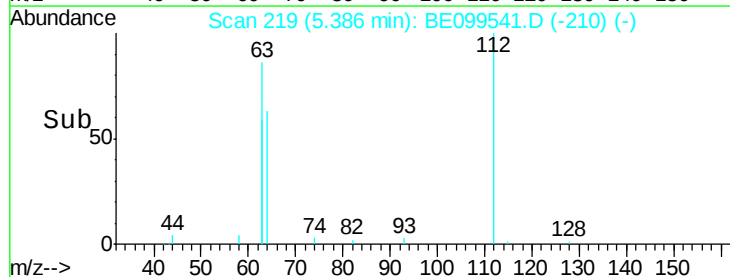
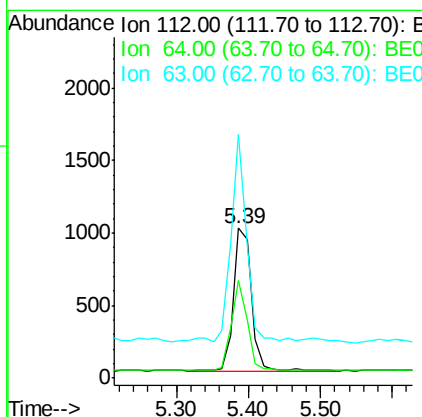
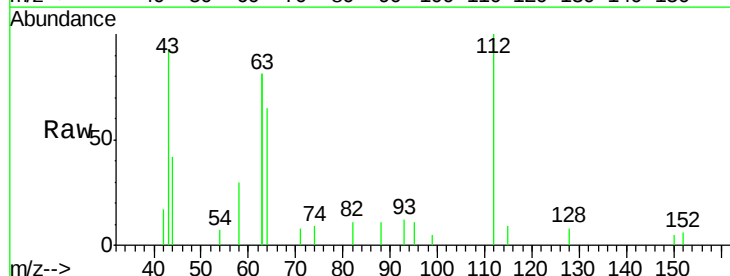
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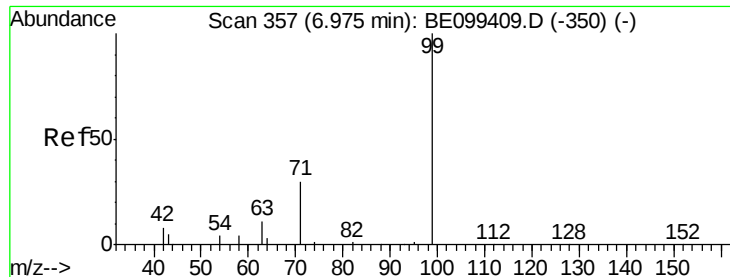


#4

2-Fluorophenol
Concen: 0.240 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099541.D
Acq: 3 May 2019 21:53

Tgt Ion:	112	Resp:	1712
Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.4	71.0
63	121.8	104.3	156.5





#5

Phenol-d6

Concen: 0.247 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099541.D

Acq: 3 May 2019 21:53

Instrument :

BNA_E

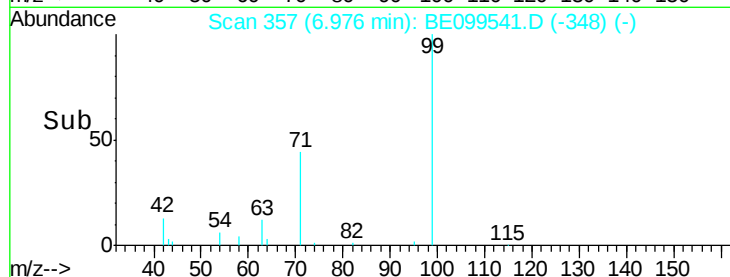
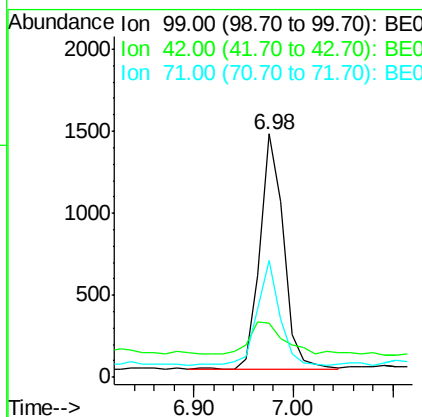
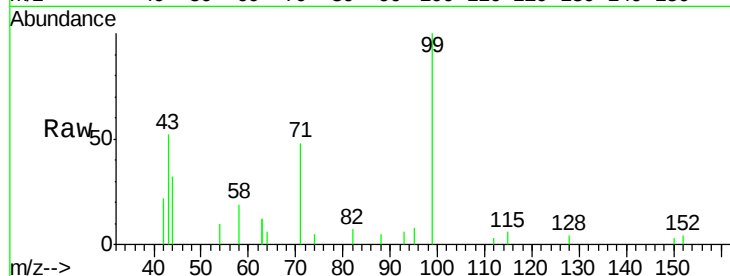
ClientSampleId :

PST-004-SW091-042319

Tgt Ion:	99	Resp:	2348
Ion	Ratio	Lower	Upper
99	100		
42	21.9	14.9	22.3
71	42.3	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

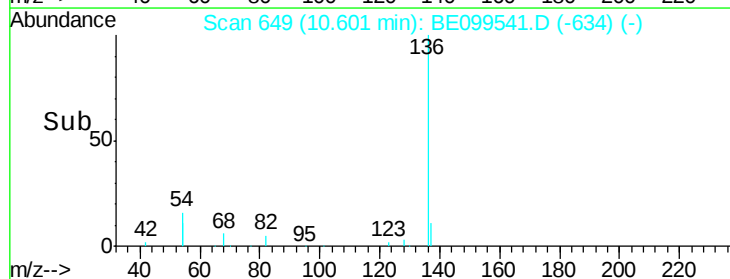
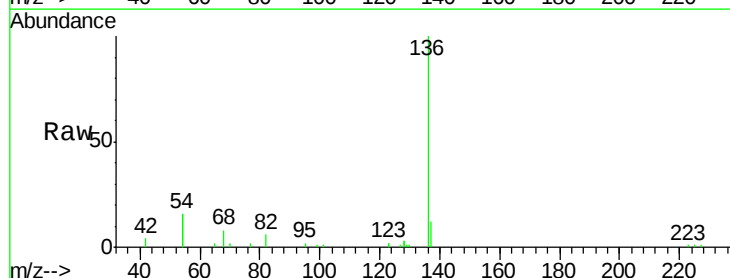
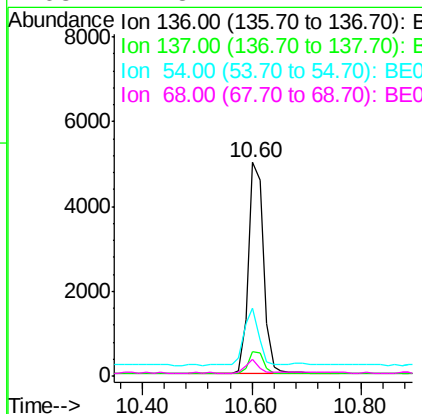
RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099541.D

Acq: 3 May 2019 21:53

Tgt Ion:	136	Resp:	9785
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.8	14.8
54	32.0	18.5	27.7#
68	7.8	4.7	7.1#





#8

Nitrobenzene-d5

Concen: 0.219 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099541.D

Acq: 3 May 2019 21:53

Instrument :

BNA_E

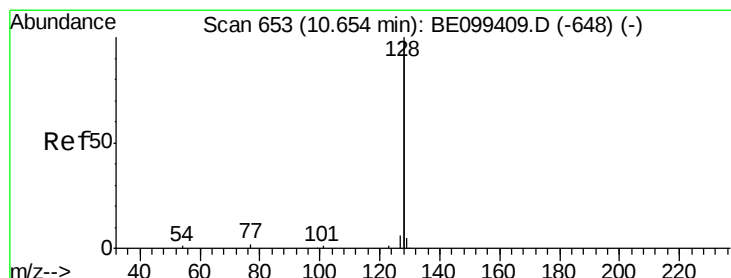
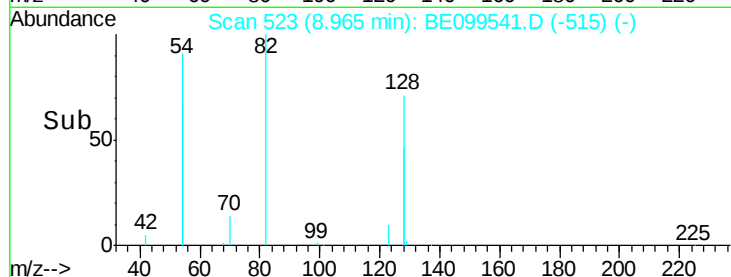
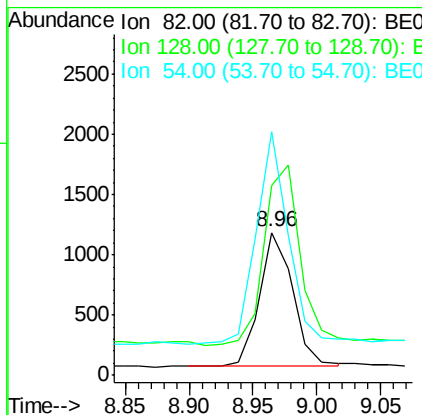
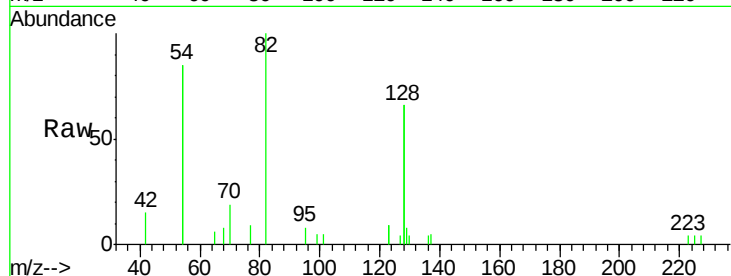
ClientSampleId :

PST-004-SW091-042319

Tgt Ion:	82	Resp:	2006
Ion Ratio	Lower	Upper	
82	100		
128	132.9	107.0	160.4
54	170.3	113.1	169.7#

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#9

Naphthalene

Concen: 0.028 ng

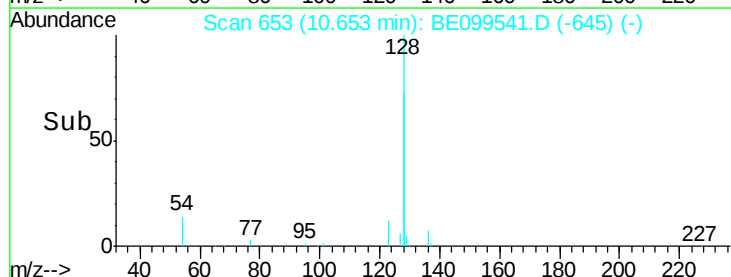
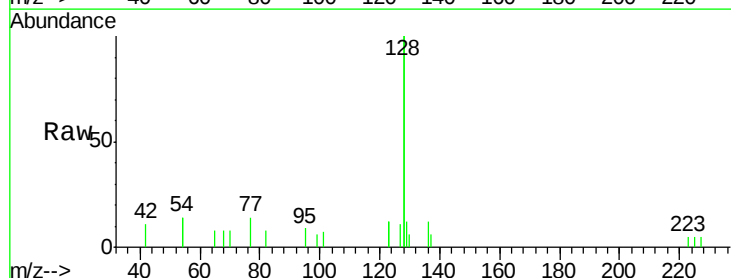
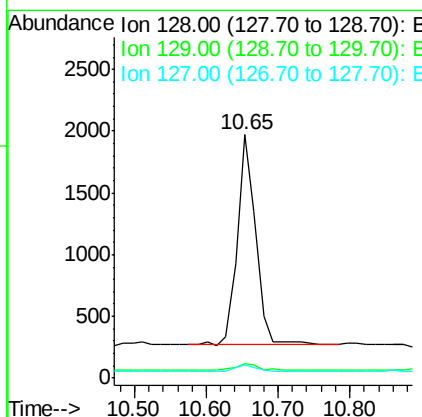
RT: 10.65 min Scan# 653

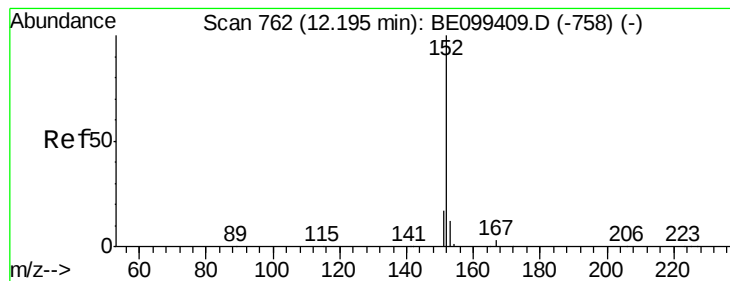
Delta R.T. -0.00 min

Lab File: BE099541.D

Acq: 3 May 2019 21:53

Tgt Ion:	128	Resp:	3034
Ion Ratio	Lower	Upper	
128	100		
129	5.8	2.4	3.6#
127	5.7	2.8	4.2#





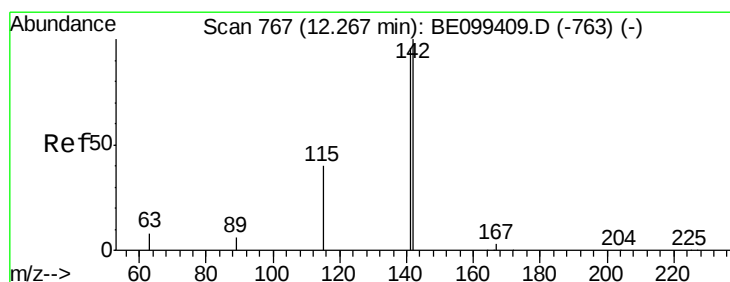
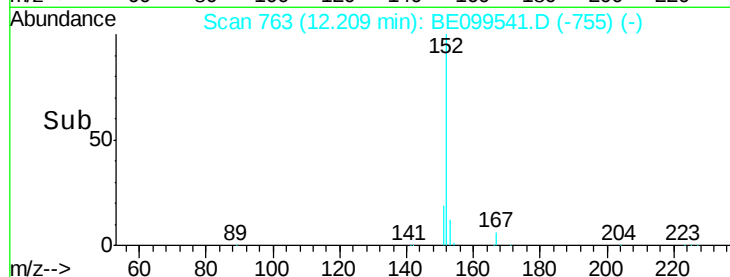
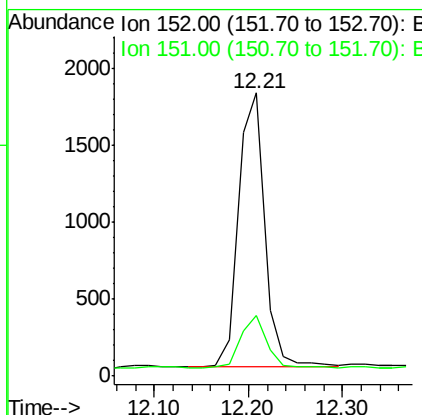
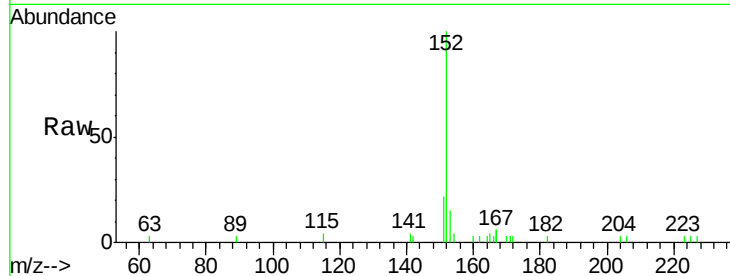
#11
 2-Methylnaphthalene-d10
 Concen: 0.197 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099541.D
 Acq: 3 May 2019 21:53

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-SW091-042319

Tgt Ion:152 Resp: 3481
 Ion Ratio Lower Upper
 152 100
 151 19.7 15.5 23.3

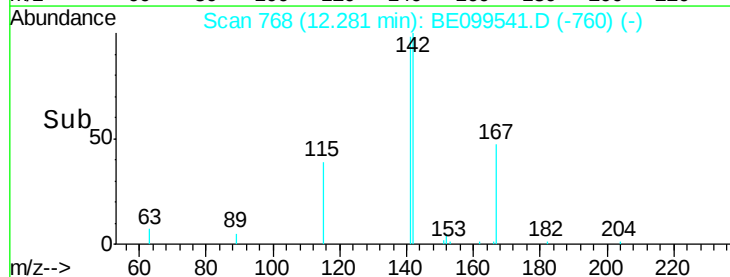
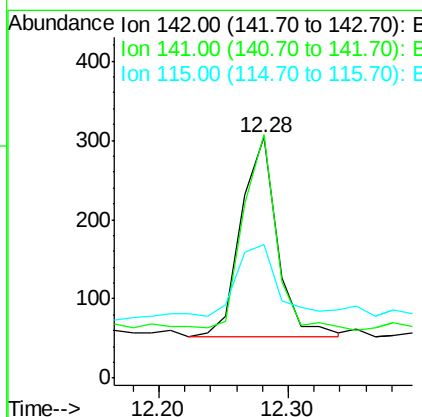
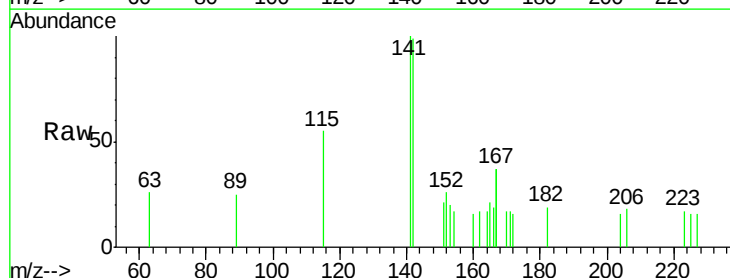
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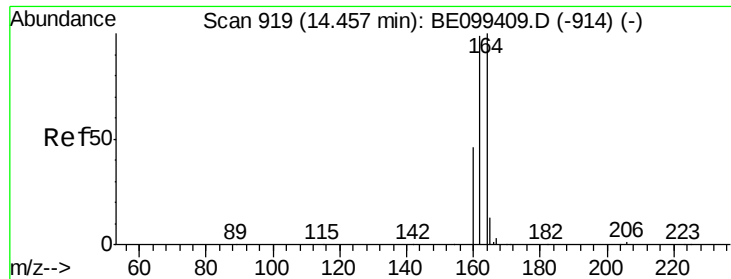
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#12
 2-Methylnaphthalene
 Concen: 0.026 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099541.D
 Acq: 3 May 2019 21:53

Tgt Ion:142 Resp: 487
 Ion Ratio Lower Upper
 142 100
 141 101.0 77.0 115.4
 115 55.6 33.4 50.0#





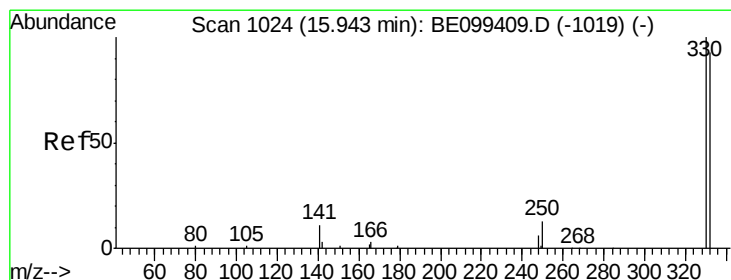
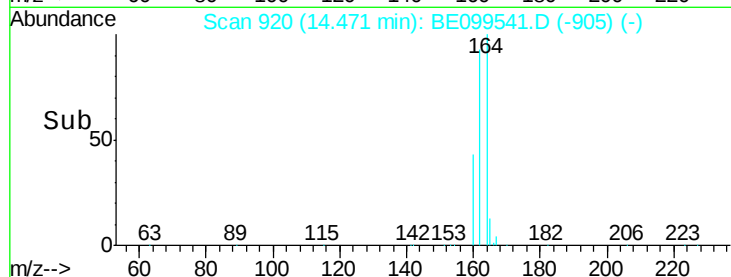
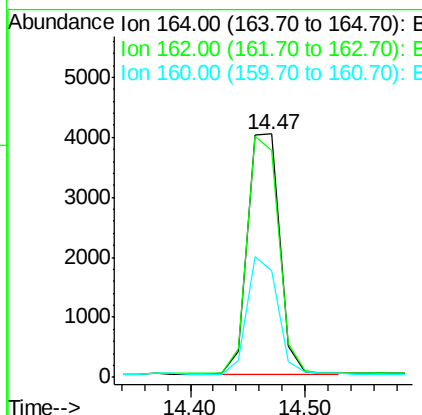
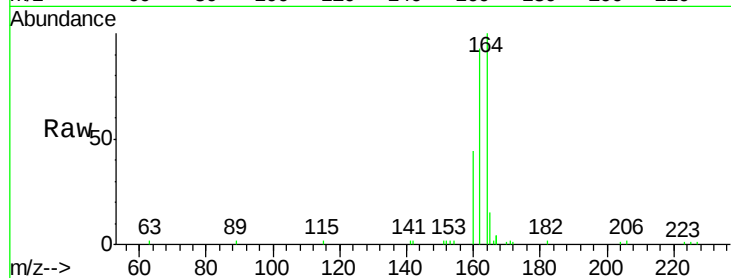
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.01 min
Lab File: BE099541.D
Acq: 3 May 2019 21:53

Instrument :
BNA_E
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Tgt Ion	Ratio	Lower	Upper
164	100		
162	93.2	79.0	118.4
160	43.8	37.0	55.4

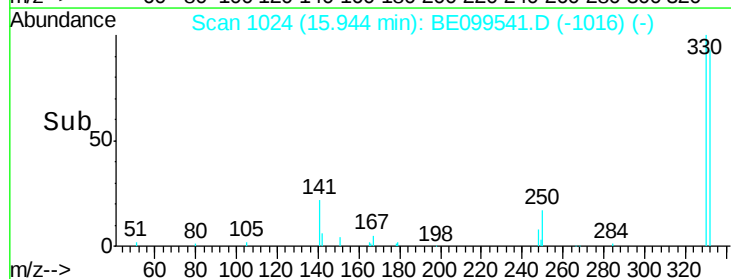
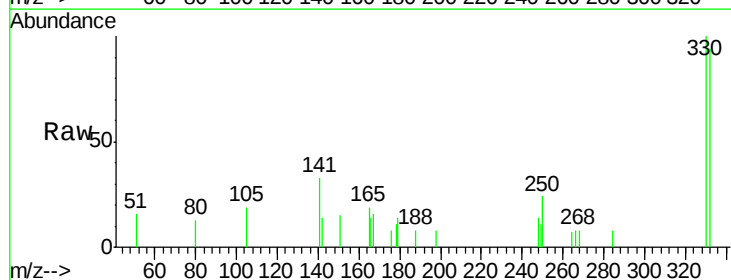
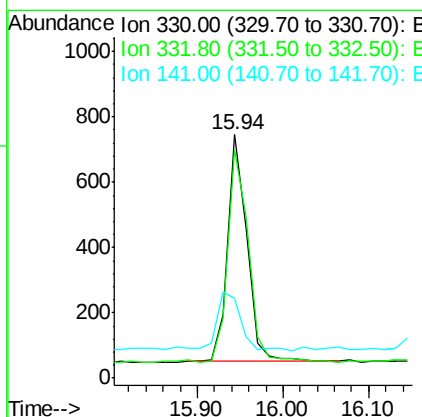
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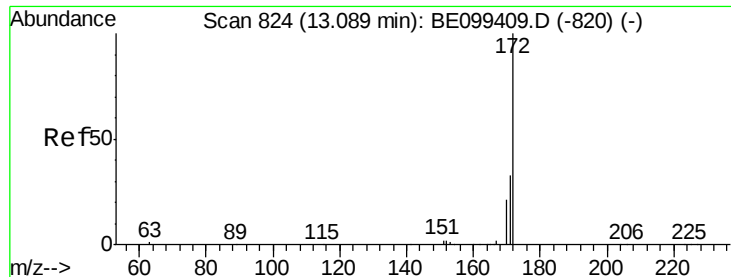
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#14
2,4,6-Tribromophenol
Concen: 0.223 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099541.D
Acq: 3 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.6	71.5	107.3
141	28.5	24.0	36.0





#15

2-Fluorobiphenyl

Concen: 0.176 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE099541.D

Acq: 3 May 2019 21:53

Instrument :

BNA_E

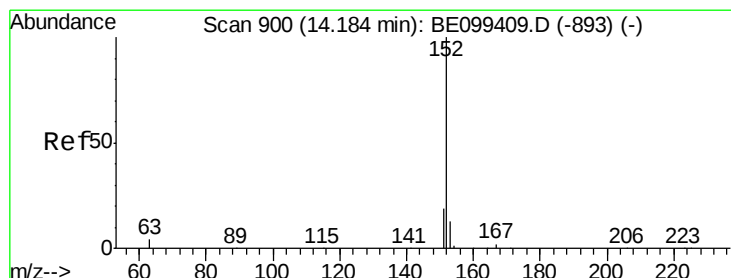
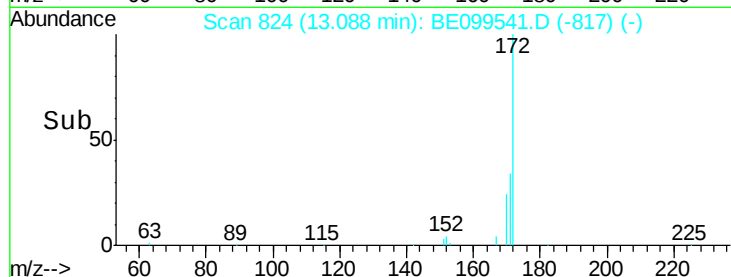
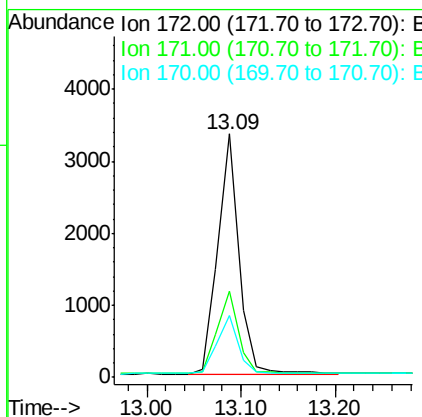
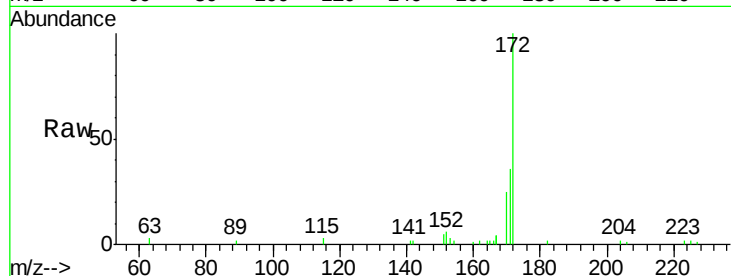
ClientSampleId :

PST-004-SW091-042319

Tgt Ion:	172	Resp:	5178
Ion	Ratio	Lower	Upper
172	100		
171	35.6	26.6	39.8
170	25.2	17.0	25.6

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#16

Acenaphthylene

Concen: 0.058 ng

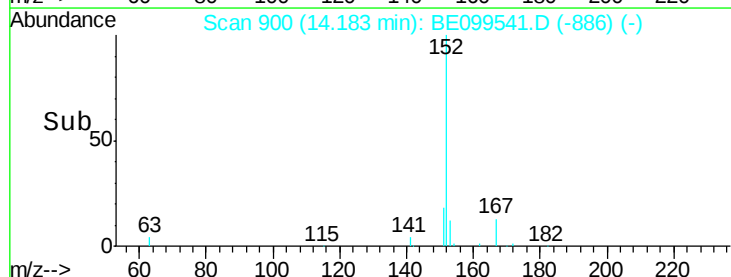
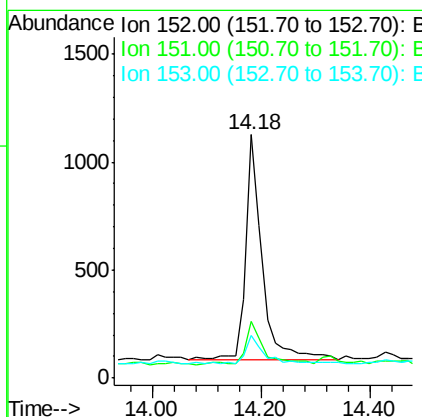
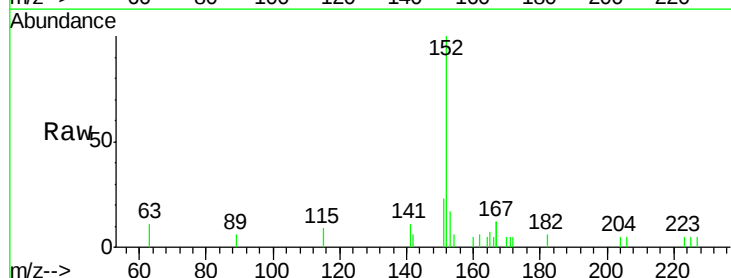
RT: 14.18 min Scan# 900

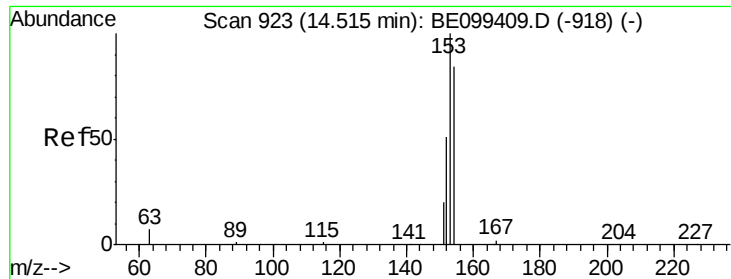
Delta R.T. -0.00 min

Lab File: BE099541.D

Acq: 3 May 2019 21:53

Tgt Ion:	152	Resp:	2175
Ion	Ratio	Lower	Upper
152	100		
151	18.1	15.4	23.2
153	13.7	9.8	14.6





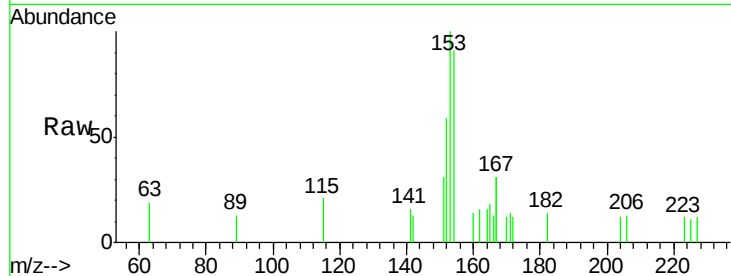
#17
Acenaphthene
Concen: 0.025 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.01 min
Lab File: BE099541.D
Acq: 3 May 2019 21:53

Instrument :
BNA_E
ClientSampleId :
PST-004-SW091-042319

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.3	92.6	138.8
152	58.1	45.8	68.8

Manual Integrations
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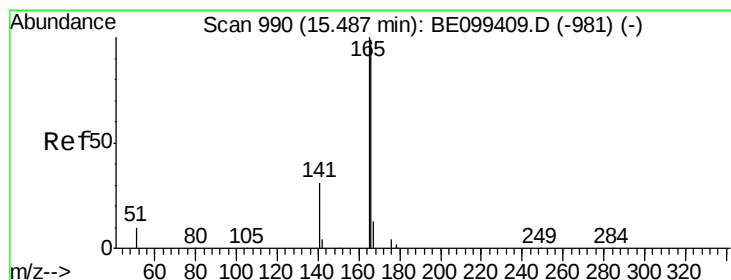
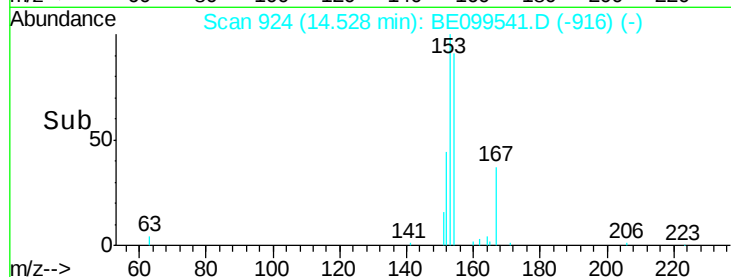
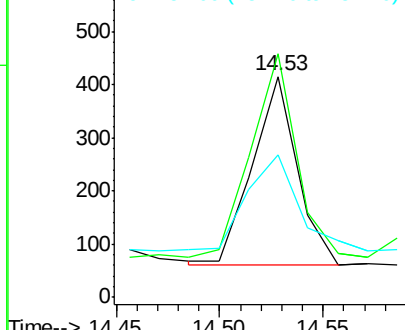


Abundance

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: 0.031 ng
RT: 15.50 min Scan# 991
Delta R.T. 0.01 min
Lab File: BE099541.D
Acq: 3 May 2019 21:53

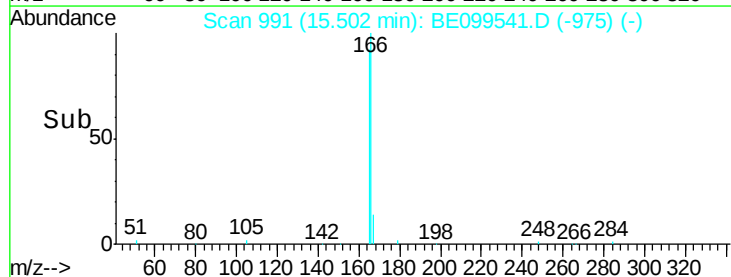
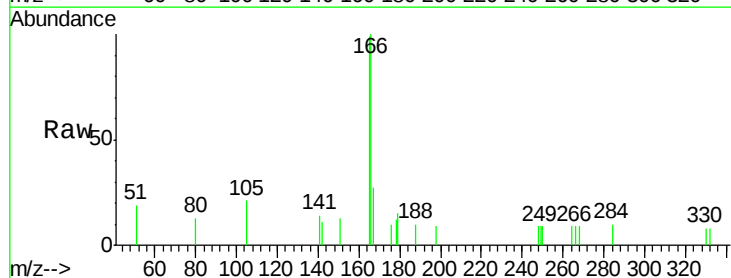
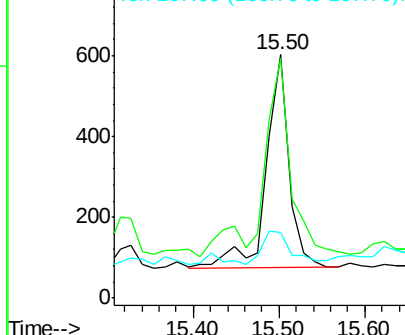
Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.6	80.3	120.5
167	19.4	10.7	16.1#

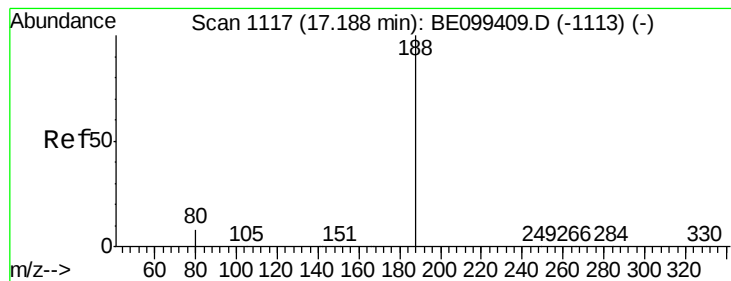
Abundance

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: 17.20 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BE099541.D

Acq: 3 May 2019 21:53

Instrument :

BNA_E

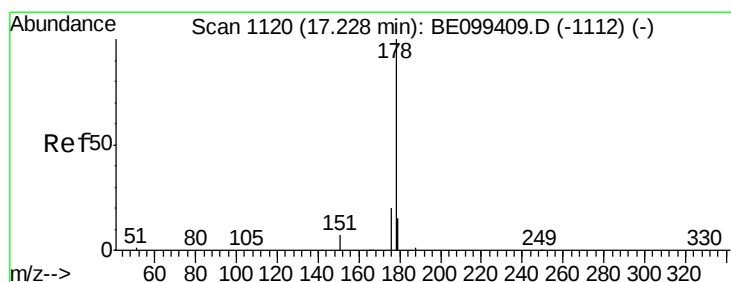
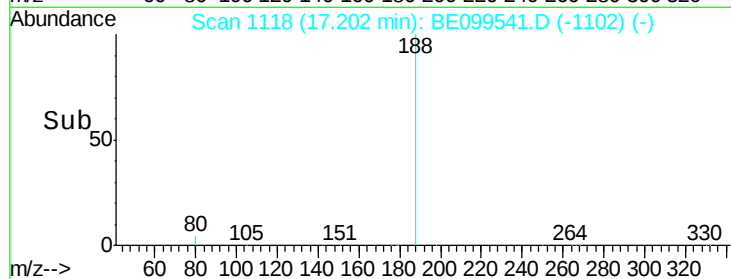
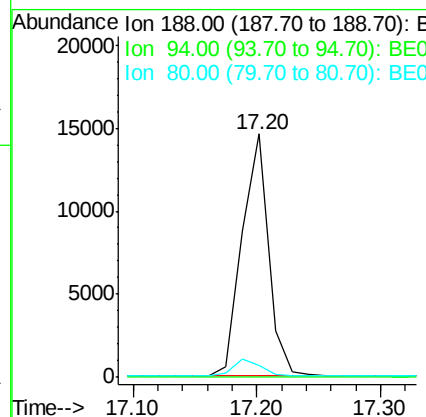
ClientSampleId :

PST-004-SW091-042319

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	21743		
94	0.0	0.0	0.0	
80	4.6	6.7	10.1	

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#23

Phenanthrene

Concen: 0.521 ng

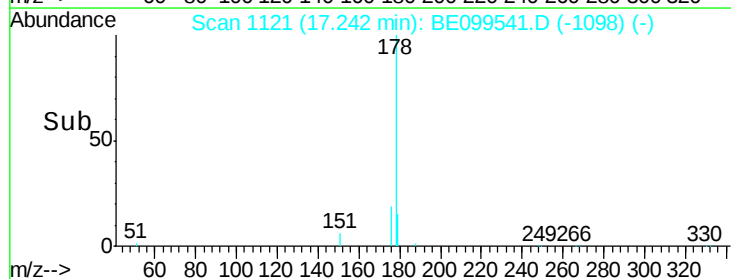
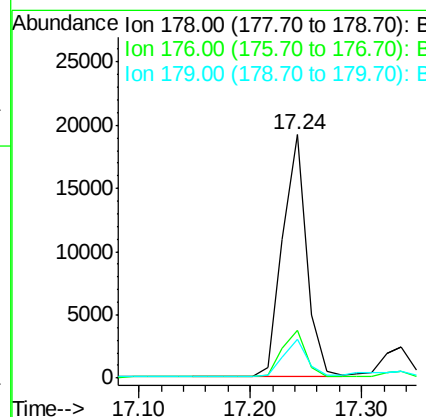
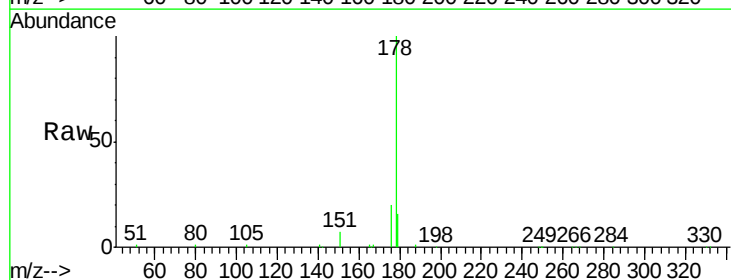
RT: 17.24 min Scan# 1121

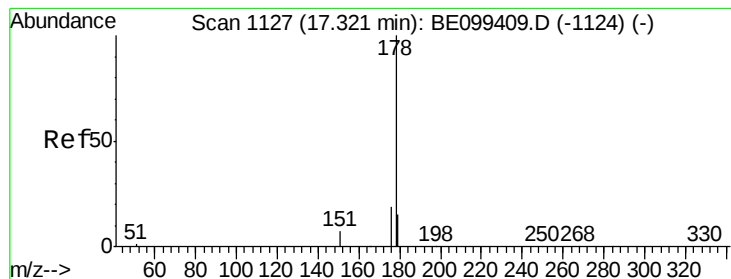
Delta R.T. 0.01 min

Lab File: BE099541.D

Acq: 3 May 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	29247		
176	19.5	15.6	23.4	
179	15.5	12.0	18.0	





#24

Anthracene

Concen: 0.068 ng

RT: 17.34 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BE099541.D

Acq: 3 May 2019 21:53

Instrument :

BNA_E

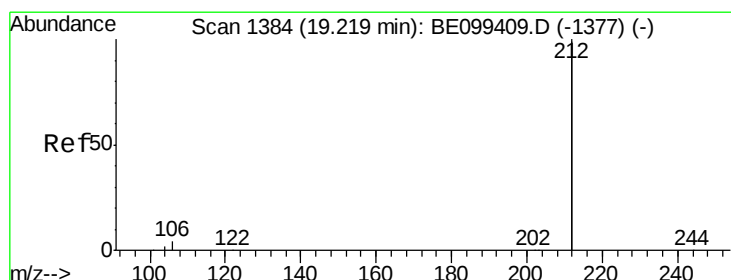
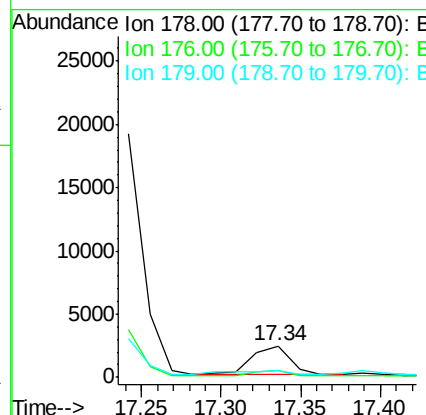
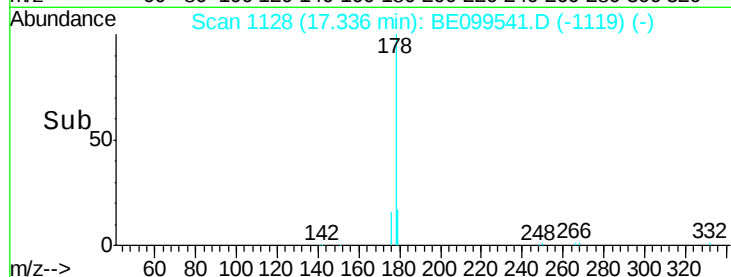
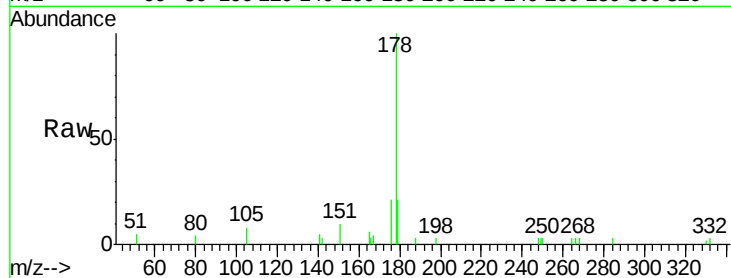
ClientSampleId :

PST-004-SW091-042319

Tgt Ion:	178	Resp:	3651
Ion Ratio	Lower	Upper	
178	100		
176	20.6	14.9	22.3
179	24.8	11.9	17.9#

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#25

Fluoranthene-d10

Concen: 0.149 ng

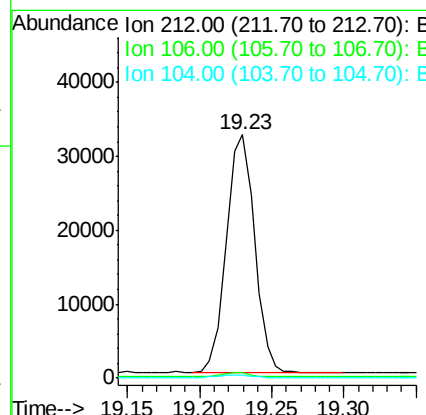
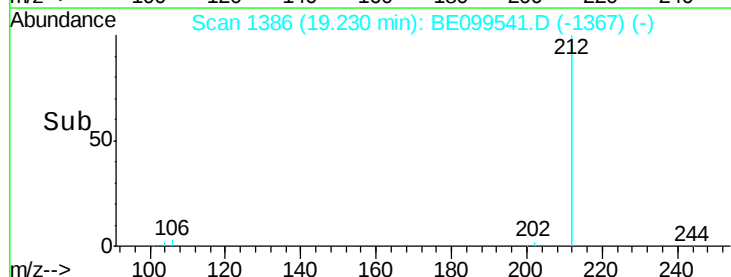
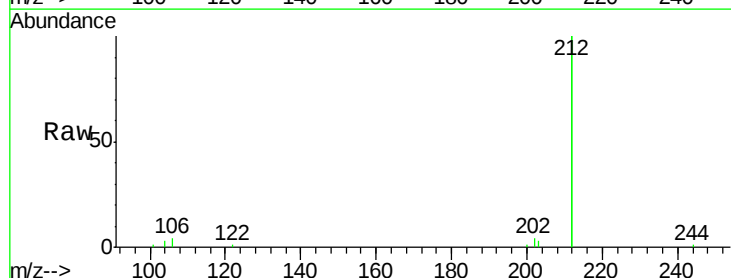
RT: 19.23 min Scan# 1386

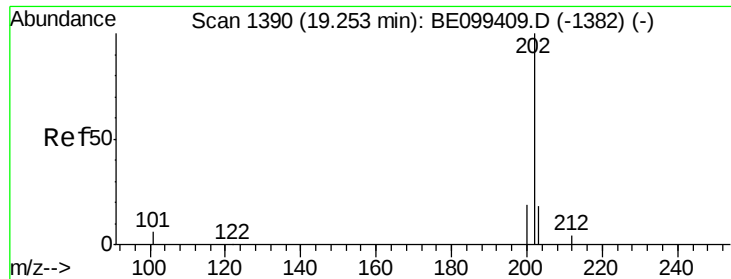
Delta R.T. 0.01 min

Lab File: BE099541.D

Acq: 3 May 2019 21:53

Tgt Ion:	212	Resp:	43654
Ion Ratio	Lower	Upper	
212	100		
106	1.8	1.5	2.3
104	1.1	0.9	1.3





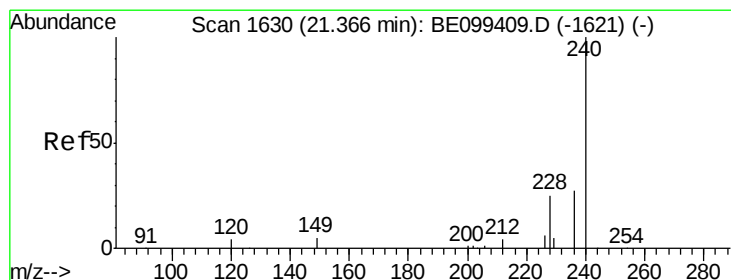
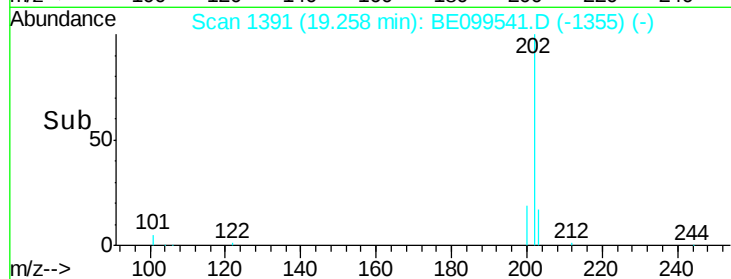
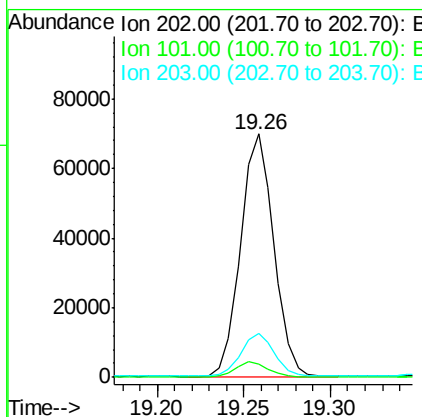
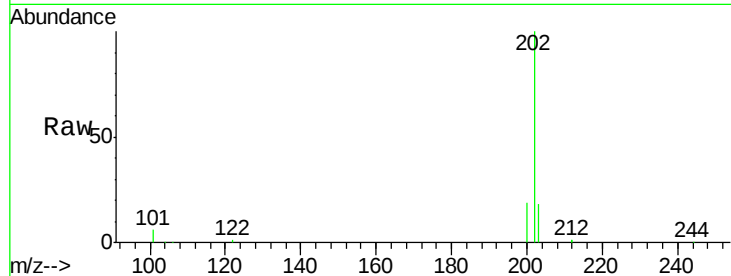
#26
Fluoranthene
Concen: 1.103 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BE099541.D
Acq: 3 May 2019 21:53

Instrument :
BNA_E
ClientSampleId :
PST-004-SW091-042319

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	92674		
101	6.1		5.4	8.0
203	17.5		13.9	20.9

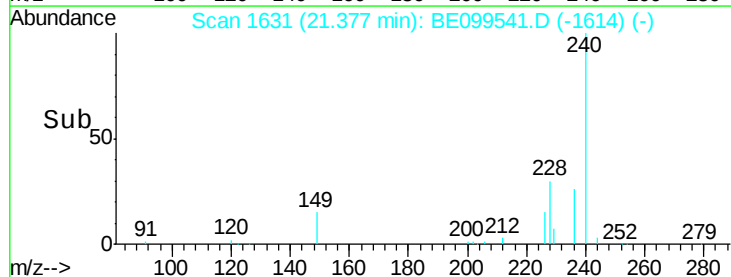
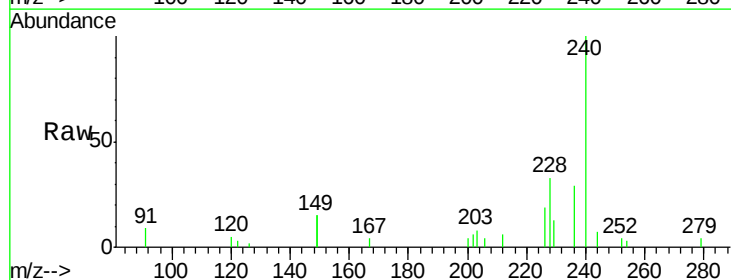
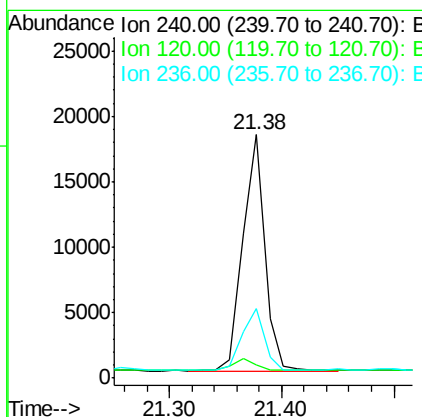
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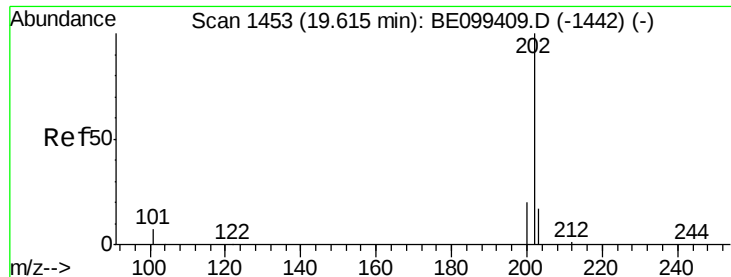
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.01 min
Lab File: BE099541.D
Acq: 3 May 2019 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	24862		
120	5.2		4.0	6.0
236	28.5		22.0	33.0





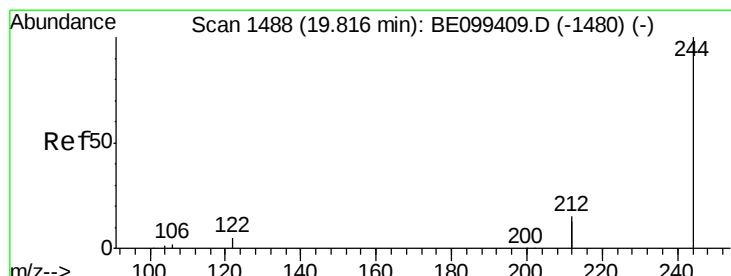
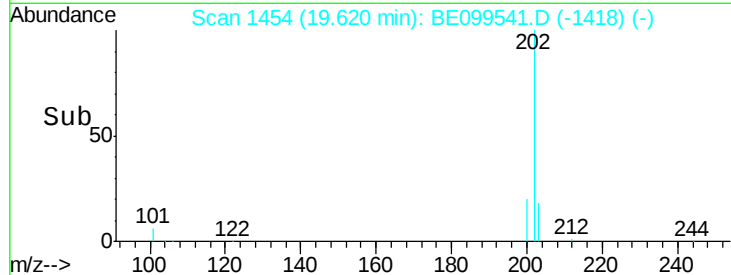
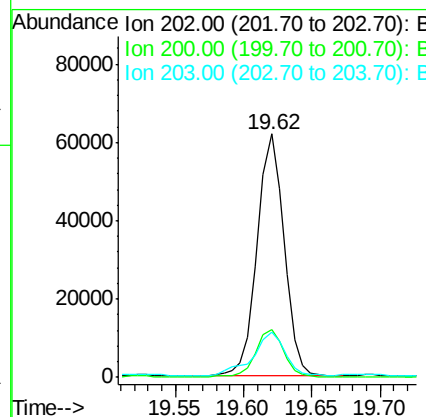
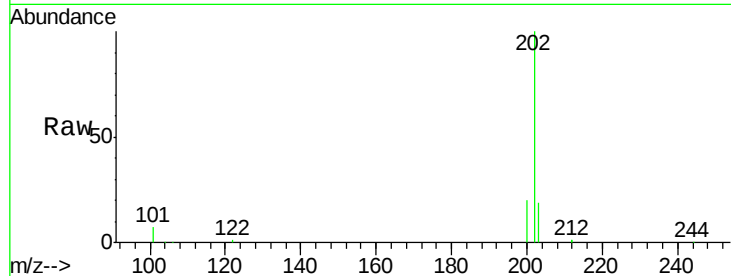
#28
 Pyrene
 Concen: 1.301 ng
 RT: 19.62 min Scan# 1454
 Delta R.T. 0.01 min
 Lab File: BE099541.D
 Acq: 3 May 2019 21:53

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-SW091-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.9	15.7	23.5
203	21.1	13.9	20.9

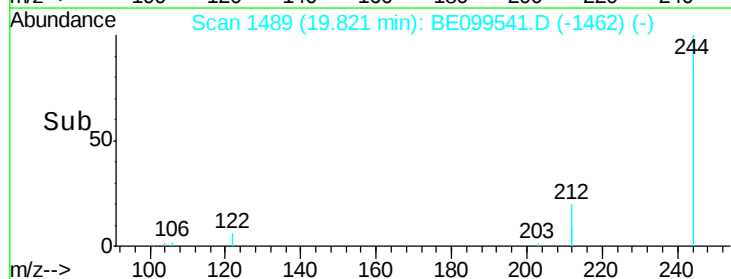
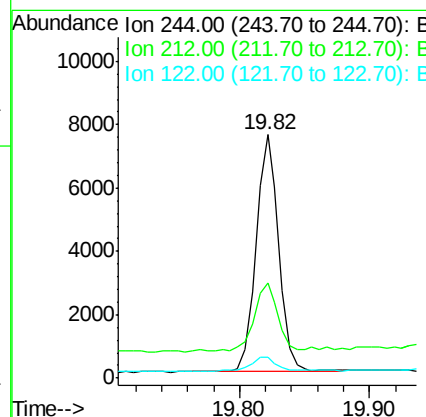
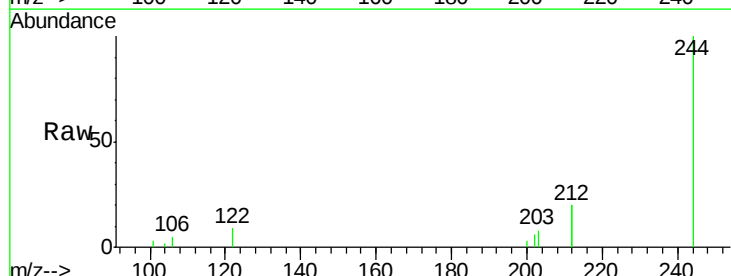
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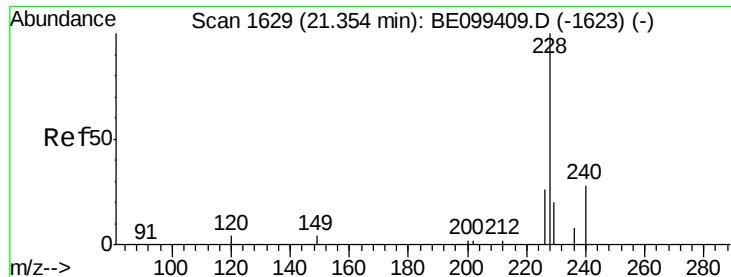
mohammad
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#29
 Terphenyl-d14
 Concen: 0.200 ng
 RT: 19.82 min Scan# 1489
 Delta R.T. 0.01 min
 Lab File: BE099541.D
 Acq: 3 May 2019 21:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	39.3	23.2	34.8
122	8.5	4.2	6.4





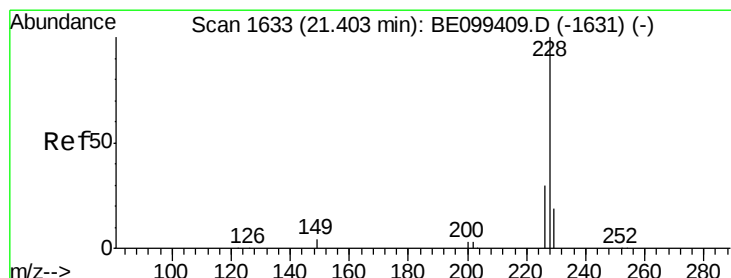
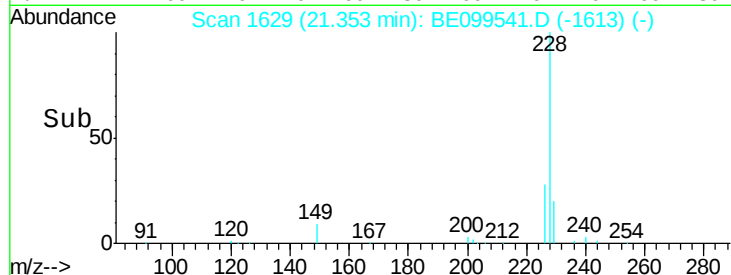
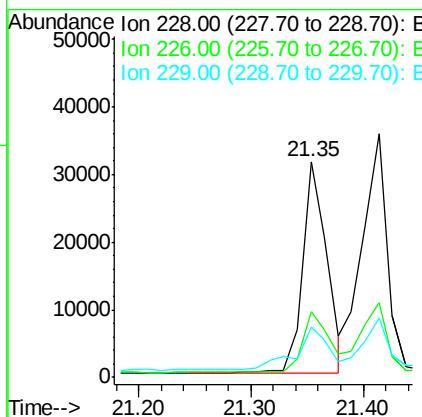
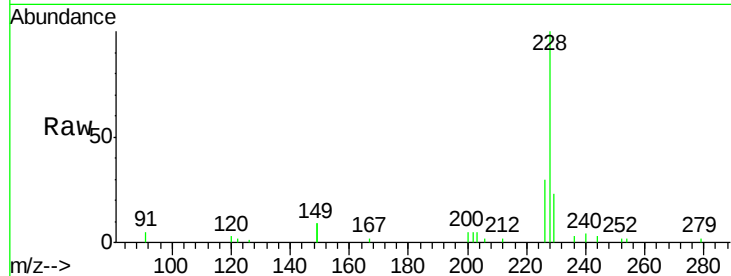
#30
Benzo(a)anthracene
Concen: 0.595 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099541.D
Acq: 3 May 2019 21:53

Instrument :
BNA_E
ClientSampleId :
PST-004-SW091-042319

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.0	31.6
229	23.3	16.6	25.0

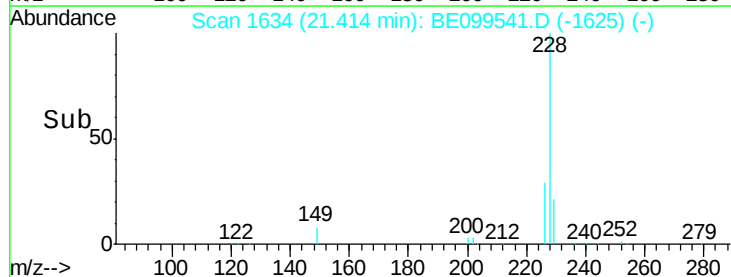
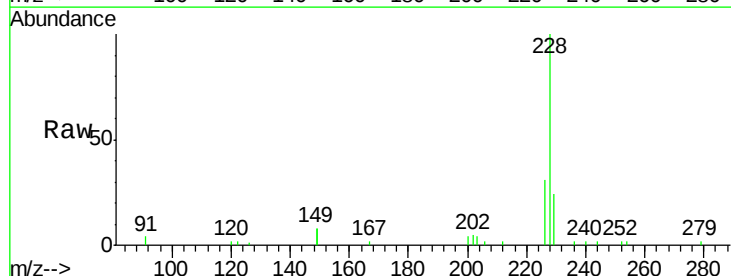
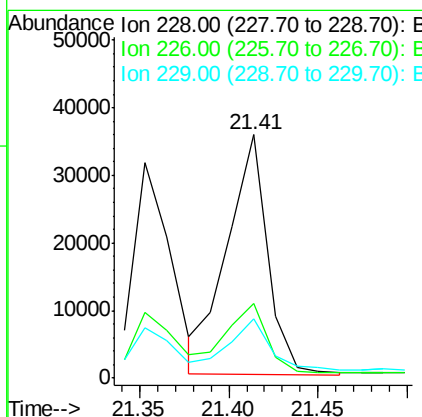
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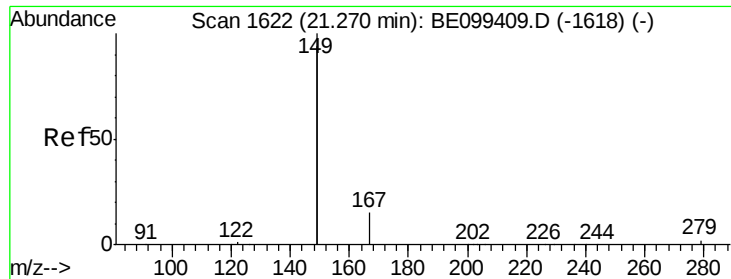
mohammad
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#31
Chrysene
Concen: 0.721 ng m
RT: 21.41 min Scan# 1634
Delta R.T. 0.01 min
Lab File: BE099541.D
Acq: 3 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	24.1	15.8	23.8#





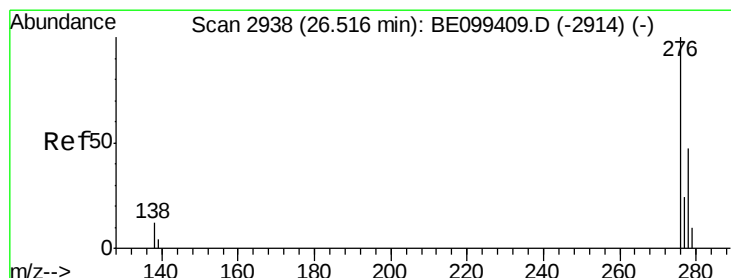
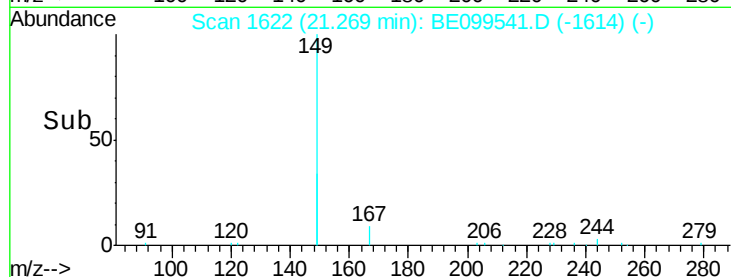
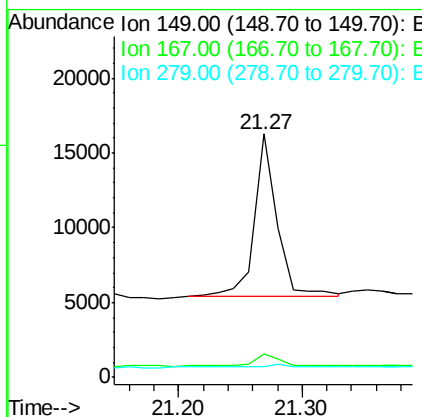
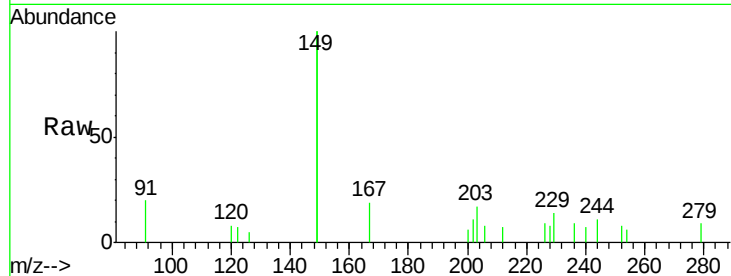
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.051 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: BE099541.D
 Acq: 3 May 2019 21:53

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-SW091-042319

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.8	8.6
279	2.0	1.0	1.6#

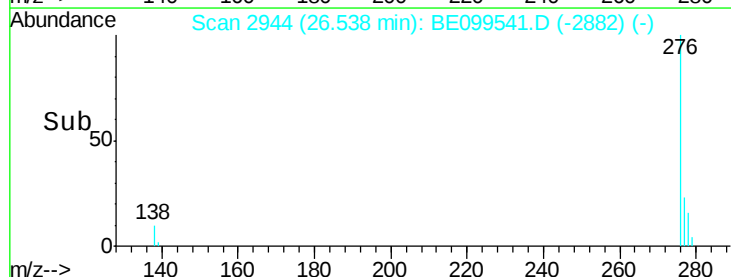
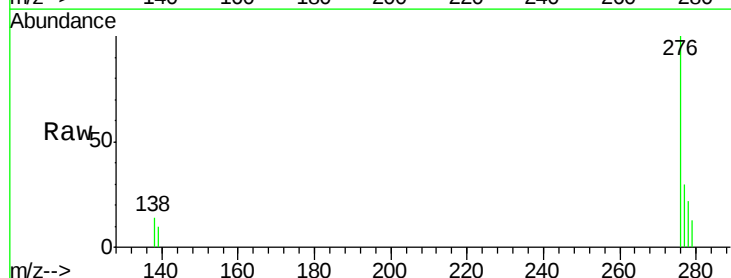
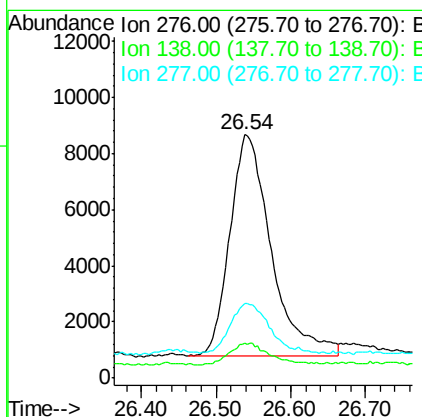
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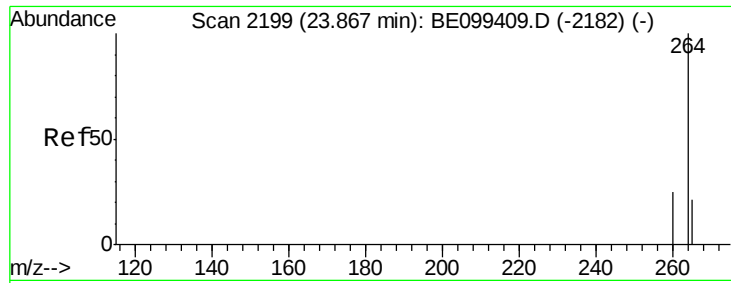
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.334 ng
 RT: 26.54 min Scan# 2944
 Delta R.T. 0.02 min
 Lab File: BE099541.D
 Acq: 3 May 2019 21:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.3	10.2	15.2#
277	21.4	19.2	28.8





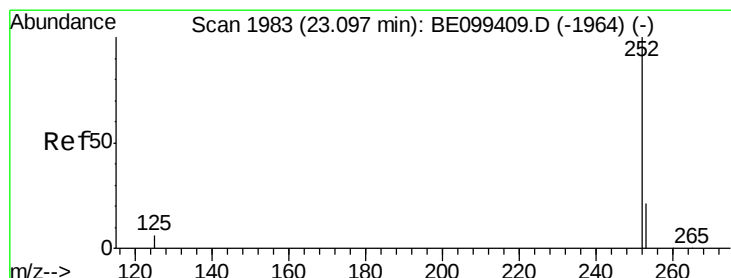
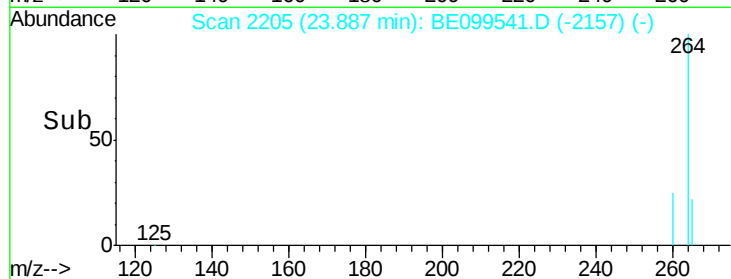
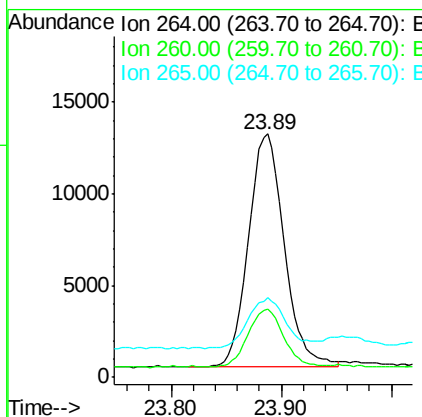
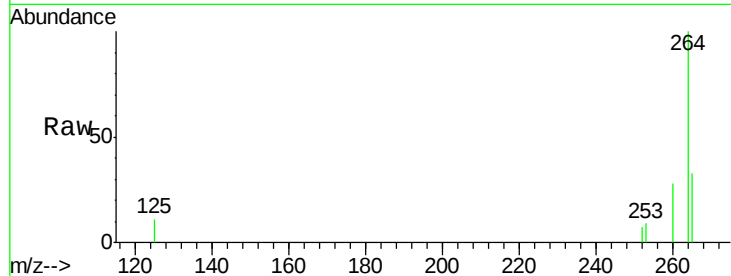
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2205
 Delta R.T. 0.02 min
 Lab File: BE099541.D
 Acq: 3 May 2019 21:53

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-SW091-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	27.9	20.2	30.2
265	32.8	21.3	31.9

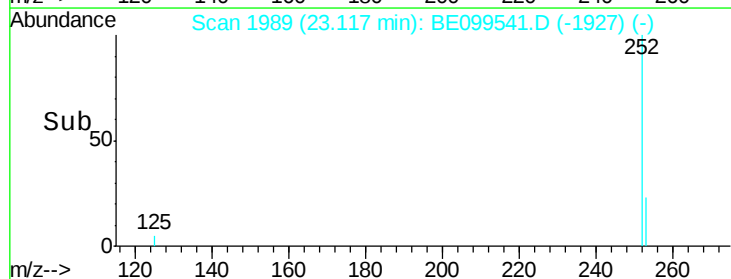
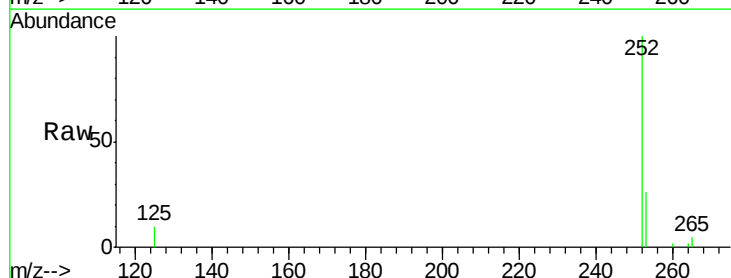
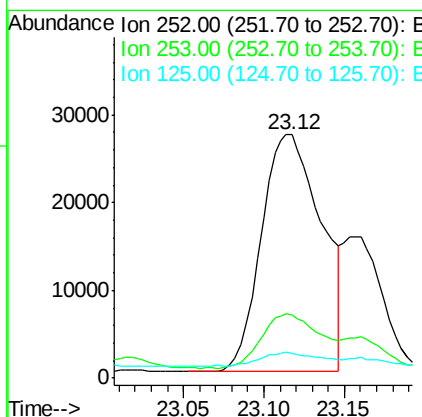
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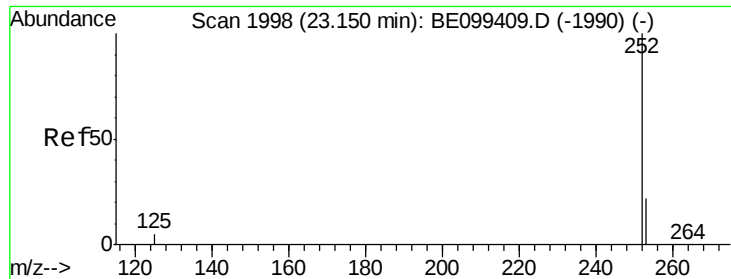
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 0.852 ng
 RT: 23.12 min Scan# 1989
 Delta R.T. 0.02 min
 Lab File: BE099541.D
 Acq: 3 May 2019 21:53

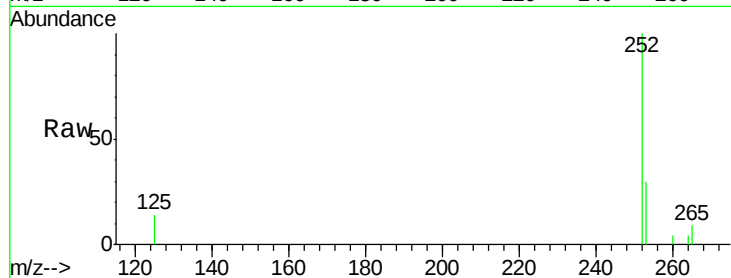
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	26.0	18.1	27.1
125	10.0	5.6	8.4





#36
Benzo(k)fluoranthene
Concen: 0.333 ng m
RT: 23.16 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BE099541.D
Acq: 3 May 2019 21:53

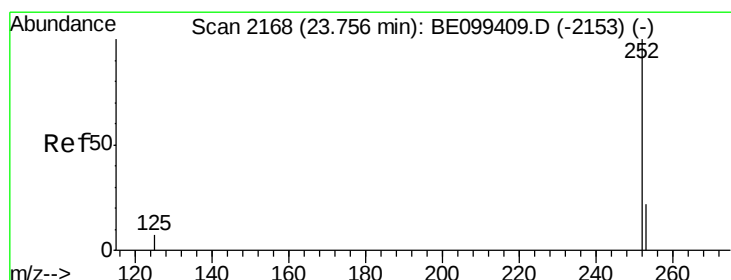
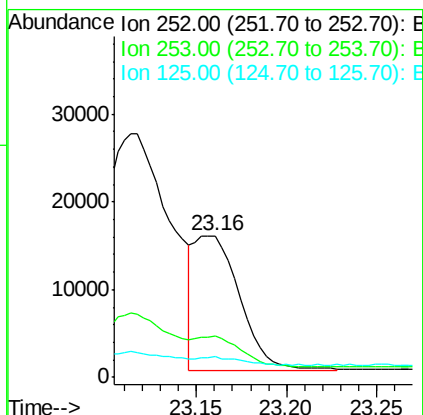
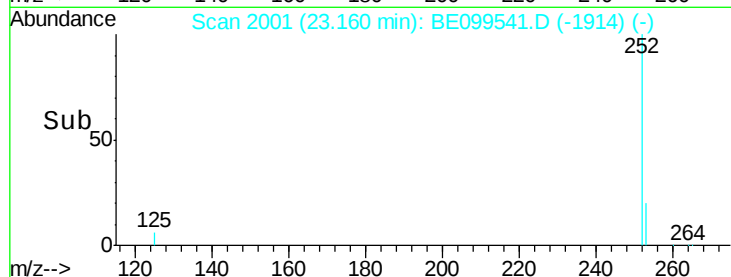
Instrument :
BNA_E
ClientSampleId :
PST-004-SW091-042319



Tgt Ion: 252 Resp: 26527
Ion Ratio Lower Upper
252 100
253 29.5 18.4 27.6#
125 14.4 5.0 7.4#

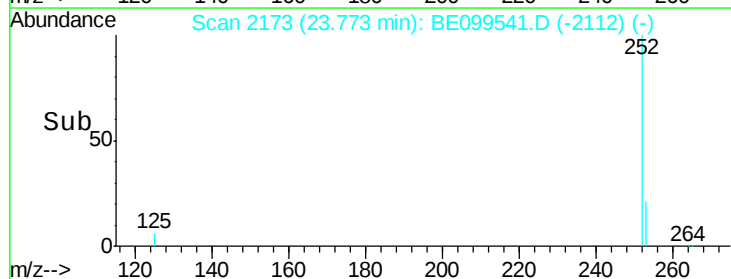
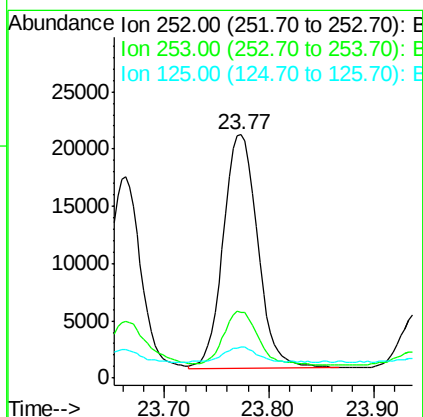
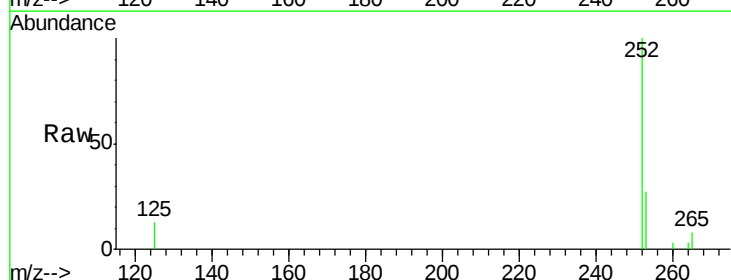
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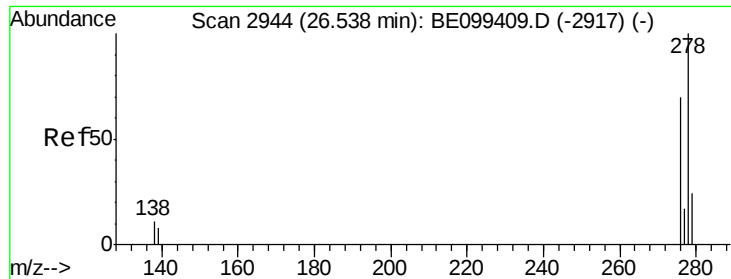
mohammad
5/7/2019 11:57:17 PM



#37
Benzo(a)pyrene
Concen: 0.596 ng
RT: 23.77 min Scan# 2173
Delta R.T. 0.02 min
Lab File: BE099541.D
Acq: 3 May 2019 21:53

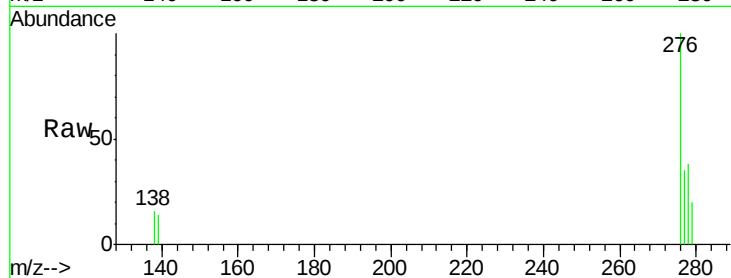
Tgt Ion: 252 Resp: 46550
Ion Ratio Lower Upper
252 100
253 27.0 18.9 28.3
125 12.6 6.7 10.1#





#38
Dibenzo(a,h)anthracene
Concen: 0.087 ng
RT: 26.56 min Scan# 2951
Delta R.T. 0.03 min
Lab File: BE099541.D
Acq: 3 May 2019 21:53

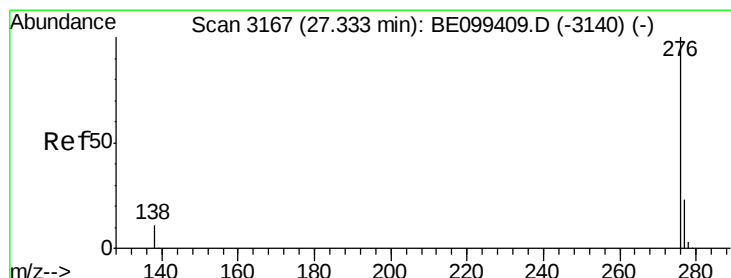
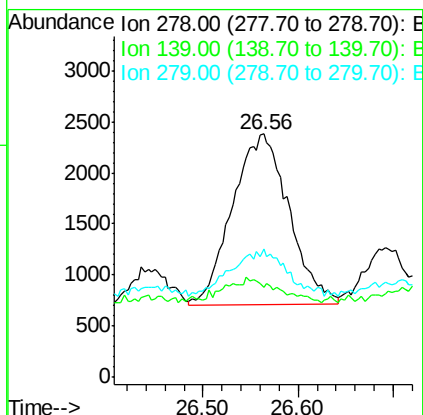
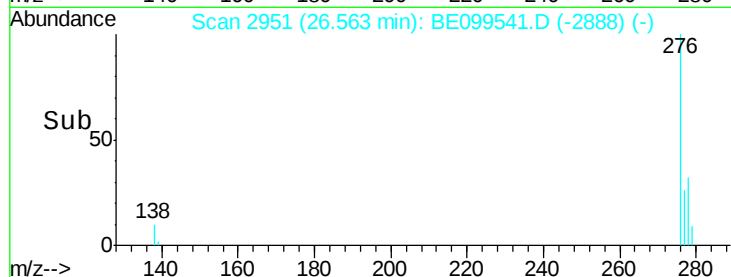
Instrument :
BNA_E
ClientSampleId :
PST-004-SW091-042319



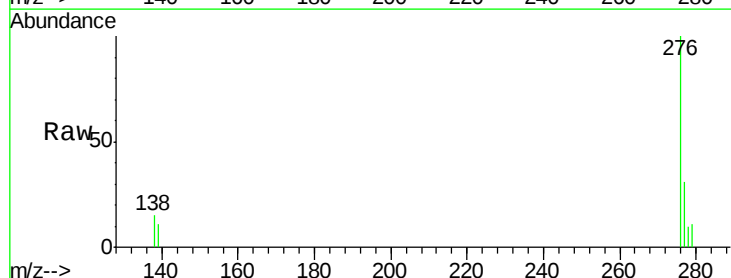
Tgt Ion: 278 Resp: 6943
Ion Ratio Lower Upper
278 100
139 36.7 7.7 11.5#
279 52.5 20.2 30.2#

Manual Integrations
APPROVED

mohammad
5/7/2019 11:57:17 PM



#39
Benzo(g,h,i)perylene
Concen: 0.356 ng
RT: 27.37 min Scan# 3177
Delta R.T. 0.04 min
Lab File: BE099541.D
Acq: 3 May 2019 21:53



Tgt Ion: 276 Resp: 28492
Ion Ratio Lower Upper
276 100
277 31.3 19.5 29.3#
138 15.3 9.6 14.4#

