

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
 Data File : BE099533.D
 Acq On : 3 May 2019 17:07
 Operator : JU/SJ
 Sample : K2587-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B177-042319

Manual Integrations
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mohammad
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Quant Time: May 04 01:49:07 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	2507	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	9958	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	8483	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	23592	0.40	ng	0.00
27) Chrysene-d12	21.38	240	30454	0.40	ng	0.01
34) Perylene-d12	23.88	264	34096	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2073	0.30	ng	0.00
5) Phenol-d6	6.98	99	3056	0.33	ng	0.00
8) Nitrobenzene-d5	8.96	82	2632	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	5157	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1635	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	7686	0.24	ng	0.00
25) Fluoranthene-d10	19.22	212	73831	0.23	ng	0.00
29) Terphenyl-d14	19.82	244	16327	0.29	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	6644	0.061	ng	# 96
12) 2-Methylnaphthalene	12.27	142	1195	0.063	ng	# 91
16) Acenaphthylene	14.18	152	12182	0.293	ng	# 93
17) Acenaphthene	14.52	154	3734	0.158	ng	96
18) Fluorene	15.49	166	7584	0.217	ng	# 78
23) Phenanthrene	17.24	178	184199	3.026	ng	99
24) Anthracene	17.32	178	31670	0.546	ng	# 93
26) Fluoranthene	19.25	202	415868	4.561	ng	# 92
28) Pyrene	19.62	202	438171	5.520	ng	# 95
30) Benzo(a)anthracene	21.35	228	306928	3.163	ng	94
31) Chrysene	21.42	228	313928	3.306	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.27	149	128004	0.864	ng	100
33) Indeno(1,2,3-cd)pyrene	26.55	276	174966	1.559	ng	# 94
35) Benzo(b)fluoranthene	23.11	252	376780	3.832	ng	# 87
36) Benzo(k)fluoranthene	23.16	252	143402m	1.513	ng	
37) Benzo(a)pyrene	23.77	252	248525	2.674	ng	# 95
38) Dibenzo(a,h)anthracene	26.57	278	44728	0.470	ng	# 64
39) Benzo(g,h,i)perylene	27.38	276	179506	1.884	ng	94

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

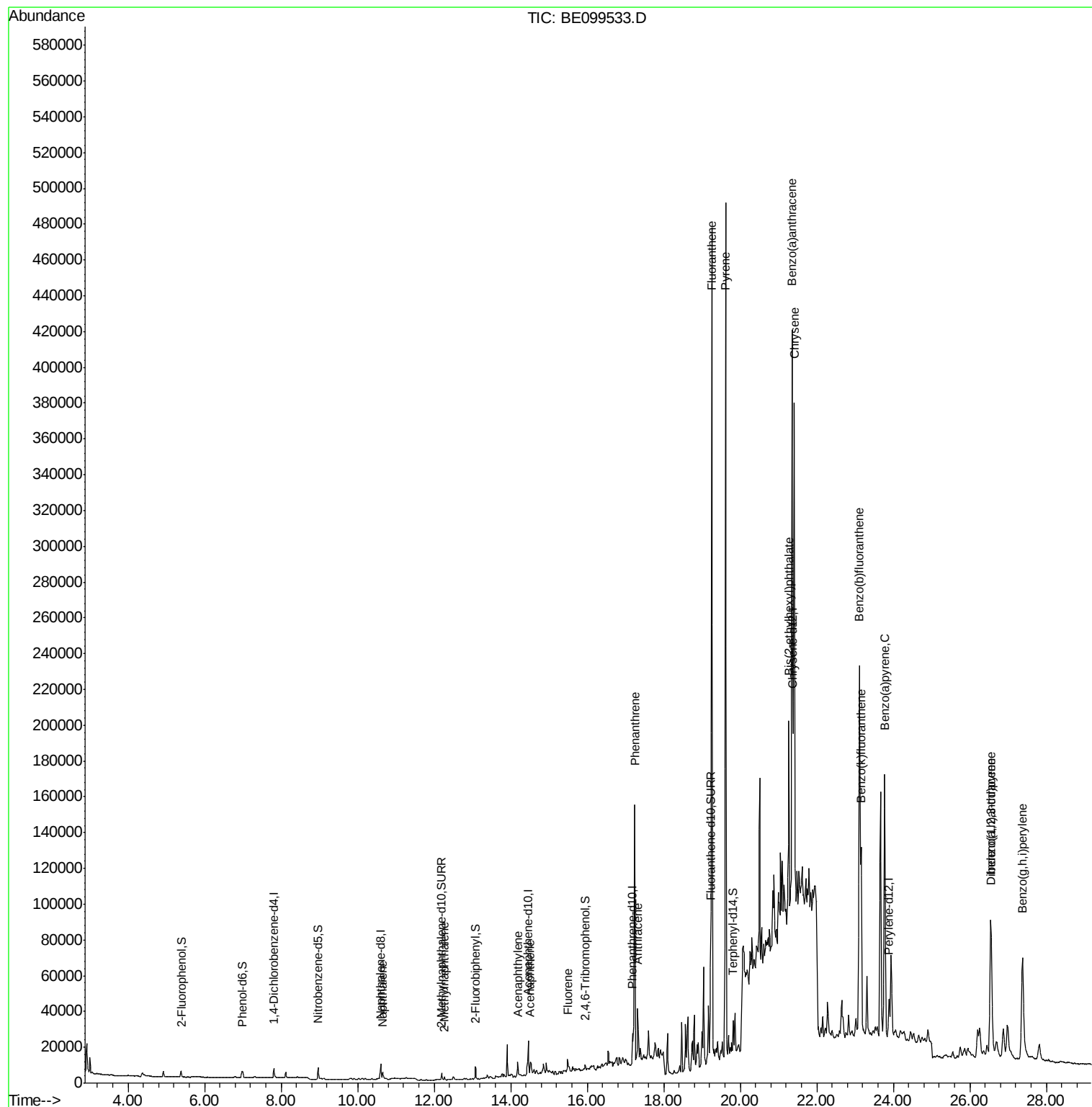
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
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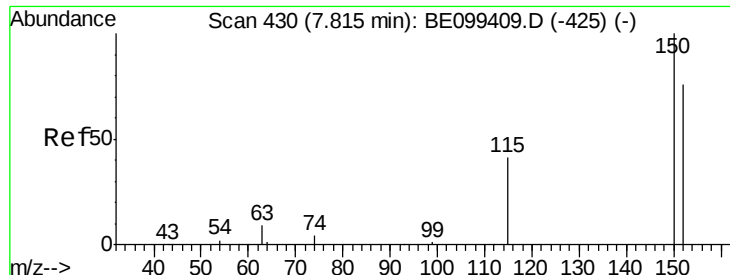
Instrument :
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ClientSampleId :
PST-003-B177-042319

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Quant Time: May 04 01:49:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
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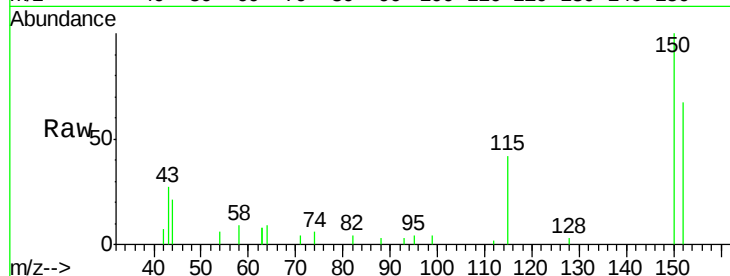




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099533.D
Acq: 3 May 2019 17:07

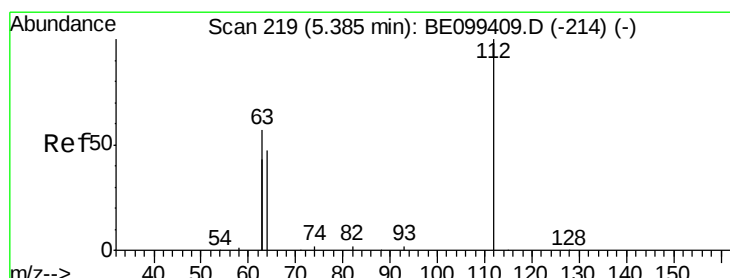
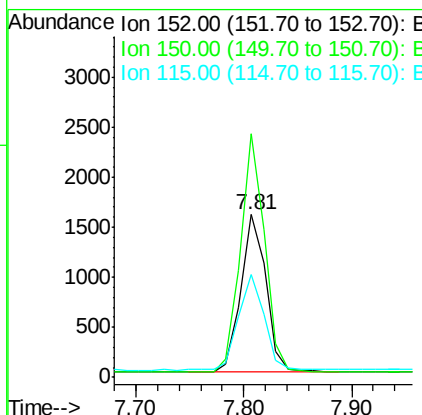
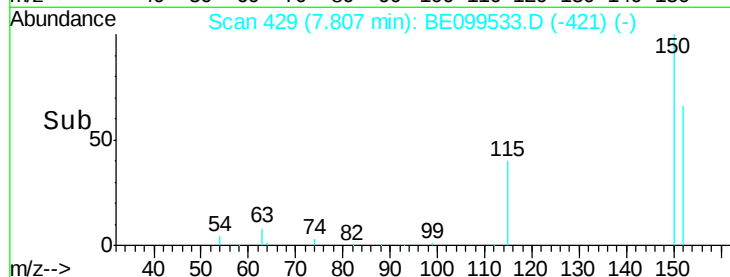
Instrument :
BNA_E
ClientSampleId :
PST-003-B177-042319



Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.6	104.8	157.2
115	62.9	46.6	69.8

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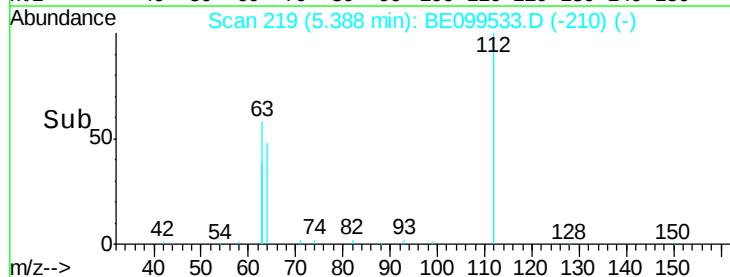
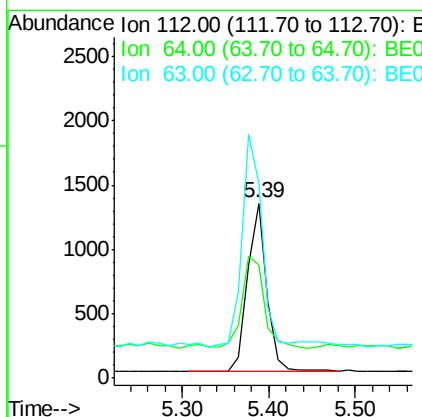
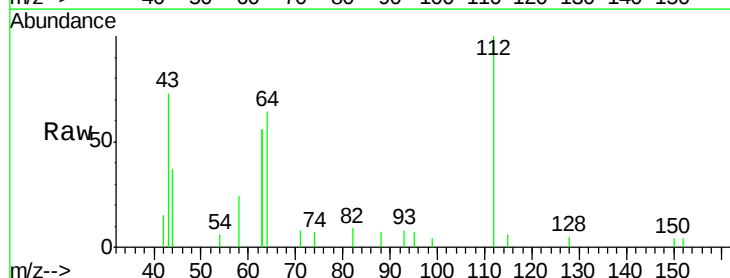
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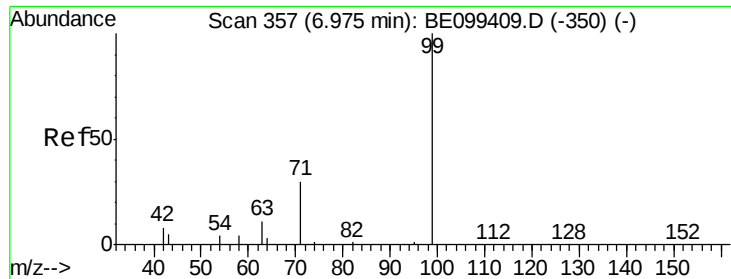


#4

2-Fluorophenol
Concen: 0.299 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099533.D
Acq: 3 May 2019 17:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.4	71.0
63	124.8	104.3	156.5





#5

Phenol-d6

Concen: 0.331 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099533.D

Acq: 3 May 2019 17:07

Instrument :

BNA_E

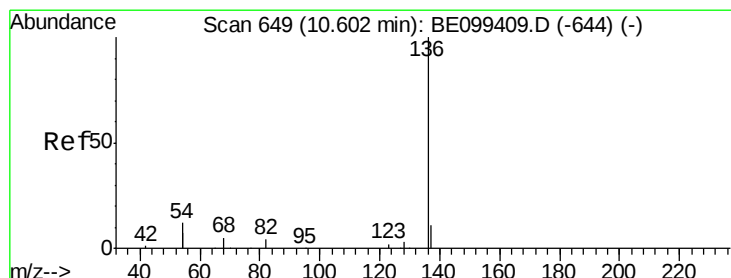
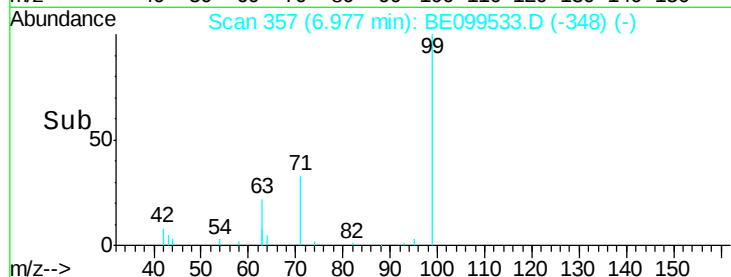
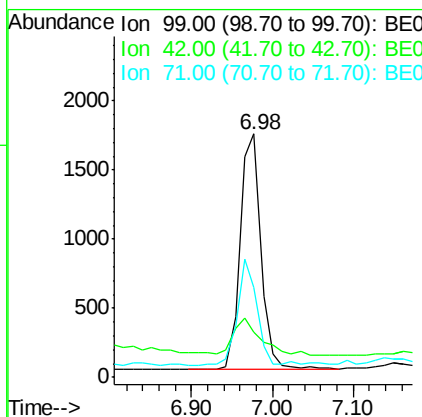
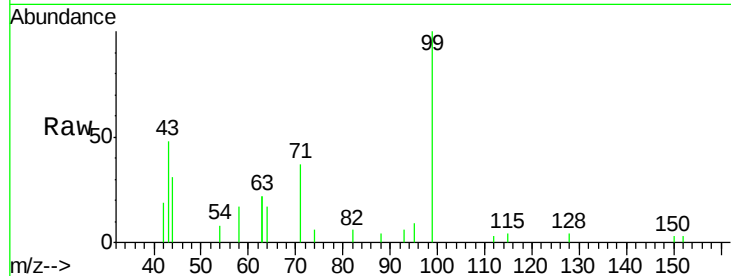
ClientSampleId :

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Tgt Ion:	99	Resp:	3056
Ion	Ratio	Lower	Upper
99	100		
42	21.4	14.9	22.3
71	41.7	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

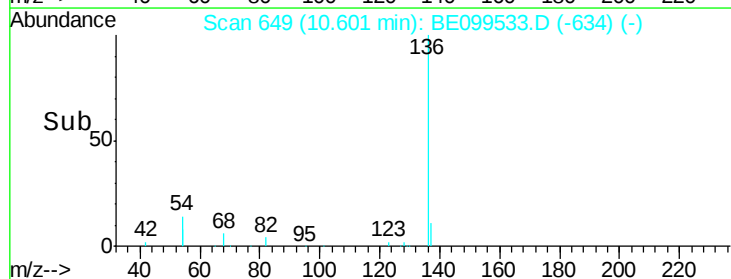
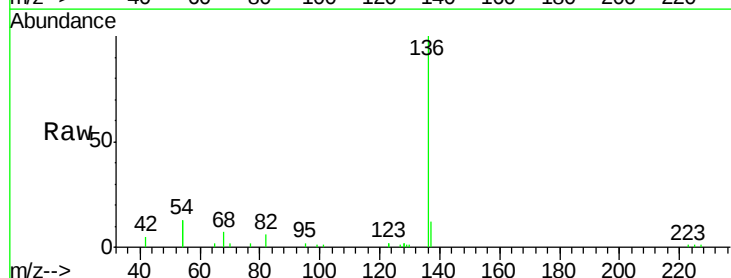
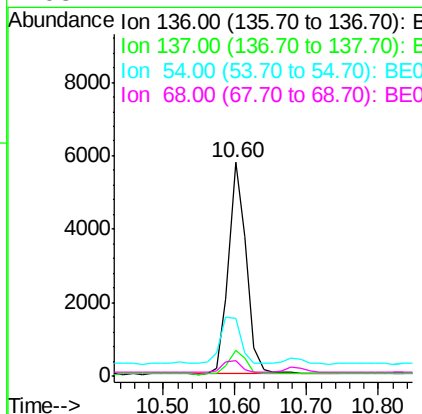
RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099533.D

Acq: 3 May 2019 17:07

Tgt Ion:	136	Resp:	9958
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.8	14.8
54	26.9	18.5	27.7
68	7.2	4.7	7.1#





#8

Nitrobenzene-d5

Concen: 0.282 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099533.D

Acq: 3 May 2019 17:07

Instrument :

BNA_E

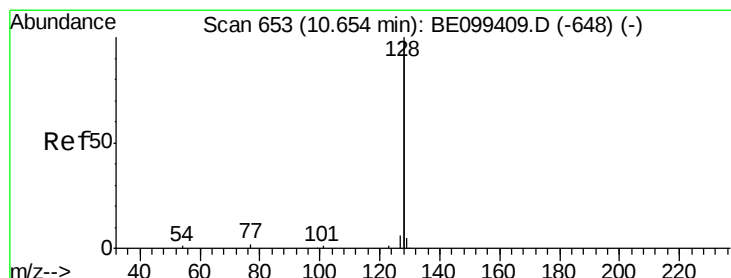
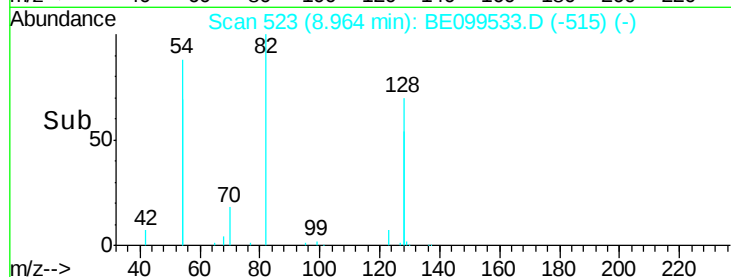
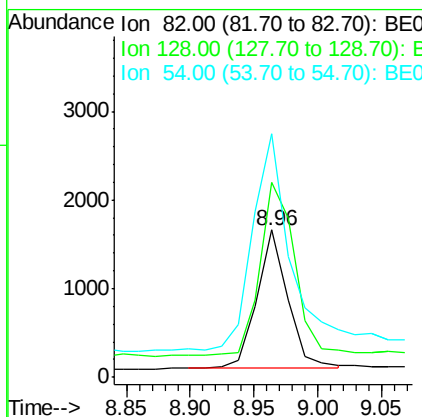
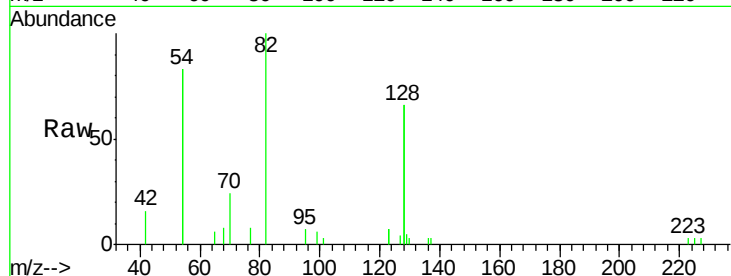
ClientSampleId :

PST-003-B177-042319

Tgt Ion:	82	Resp:	2632
Ion Ratio	Lower	Upper	
82	100		
128	132.3	107.0	160.4
54	165.4	113.1	169.7

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#9

Naphthalene

Concen: 0.061 ng

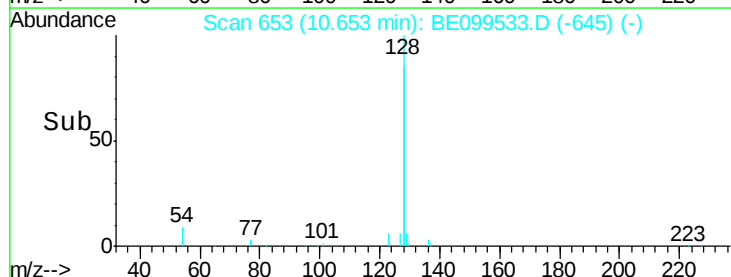
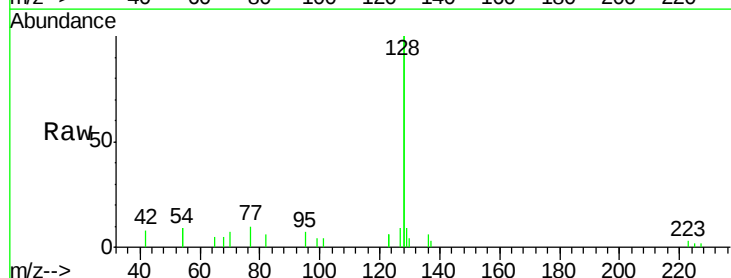
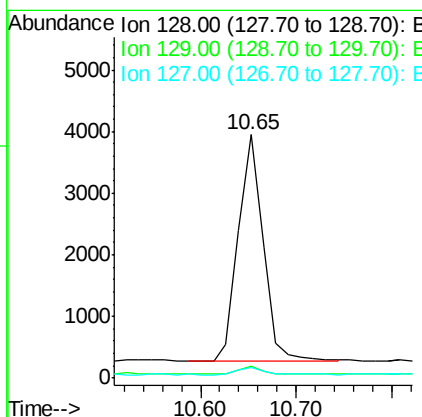
RT: 10.65 min Scan# 653

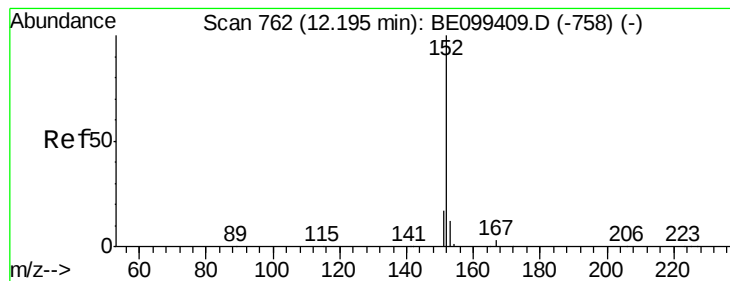
Delta R.T. -0.00 min

Lab File: BE099533.D

Acq: 3 May 2019 17:07

Tgt Ion:	128	Resp:	6644
Ion Ratio	Lower	Upper	
128	100		
129	4.7	2.4	3.6#
127	4.4	2.8	4.2#





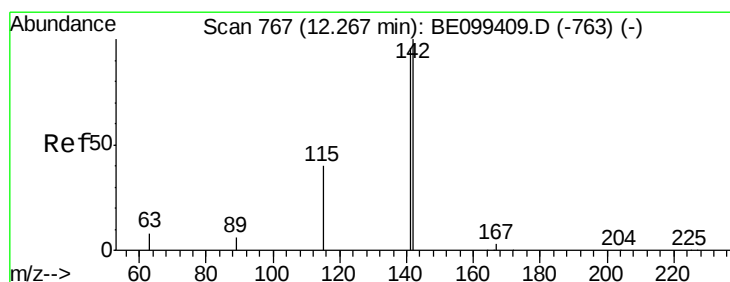
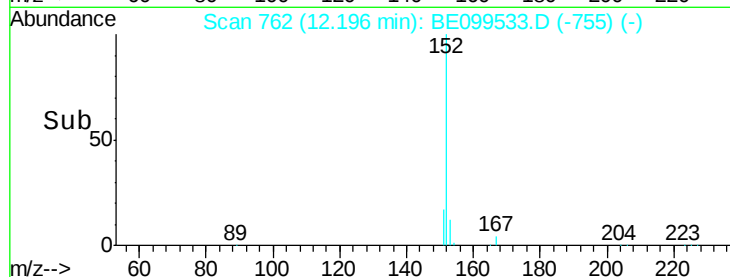
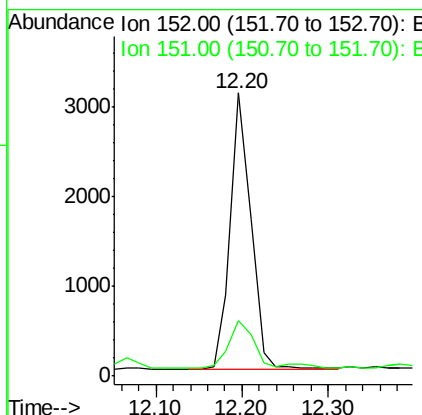
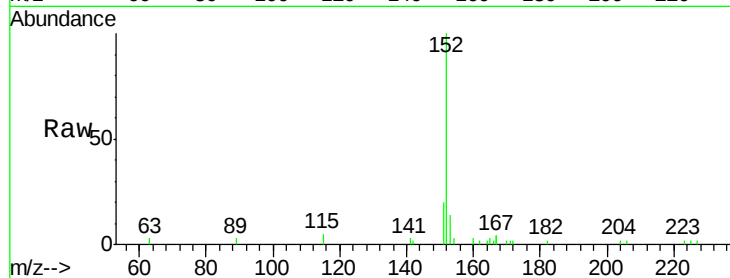
#11
 2-Methylnaphthalene-d10
 Concen: 0.287 ng
 RT: 12.20 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE099533.D
 Acq: 3 May 2019 17:07

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B177-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.5	23.3

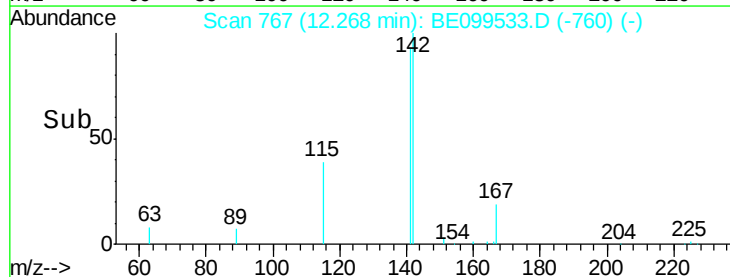
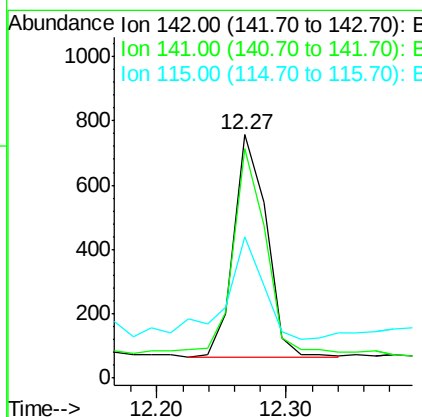
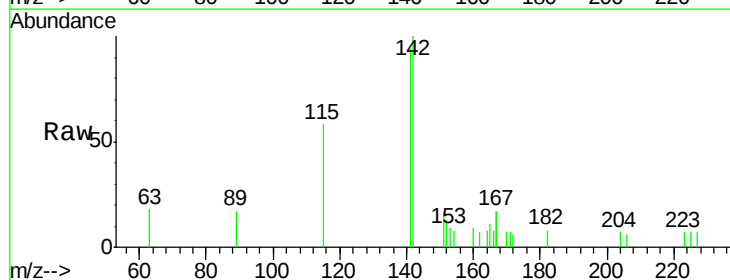
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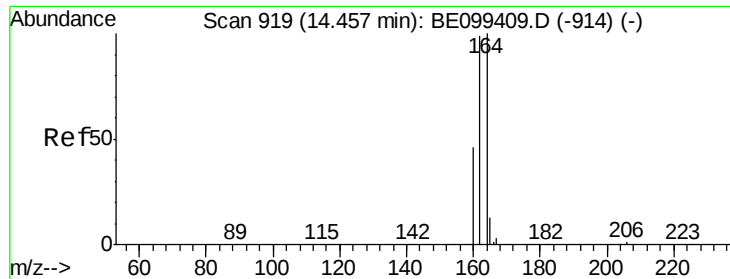
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#12
 2-Methylnaphthalene
 Concen: 0.063 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE099533.D
 Acq: 3 May 2019 17:07

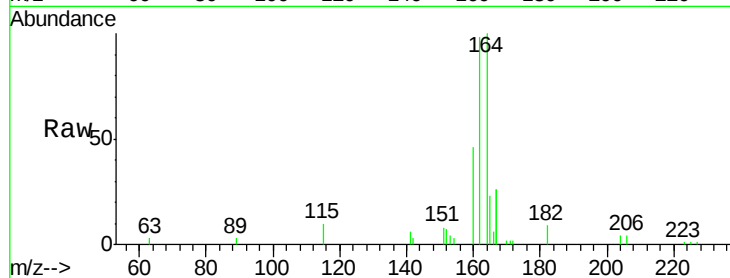
Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.2	77.0	115.4
115	58.1	33.4	50.0#





#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: BE099533.D
 Acq: 3 May 2019 17:07

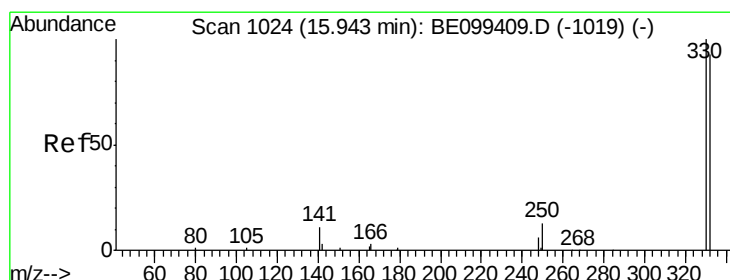
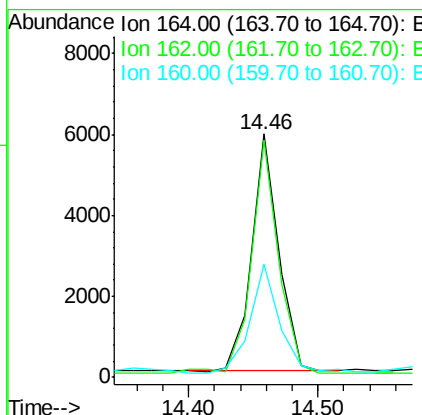
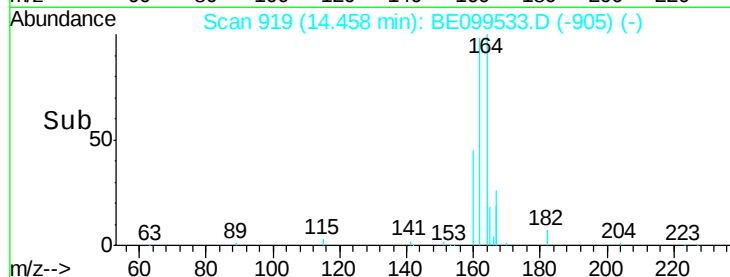
Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B177-042319



Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.6	79.0	118.4
160	46.3	37.0	55.4

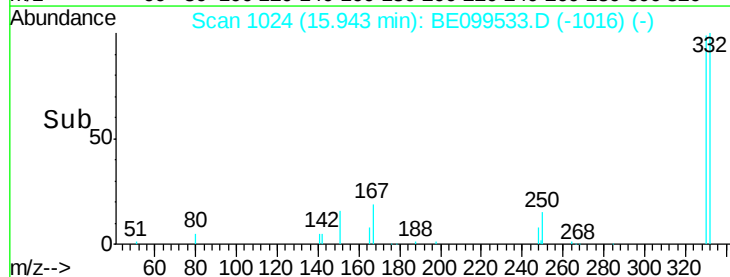
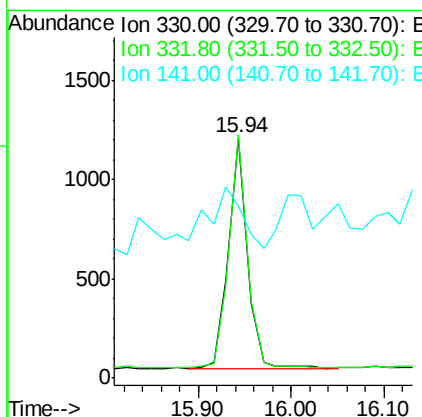
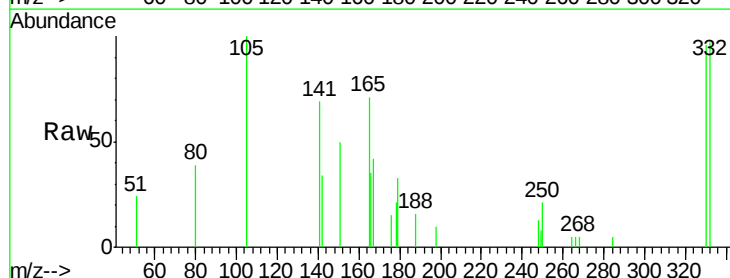
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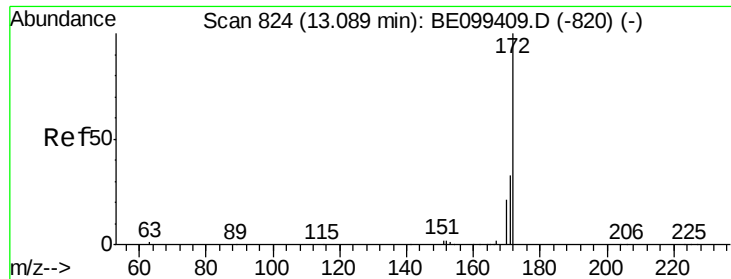
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#14
 2,4,6-Tribromophenol
 Concen: 0.306 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099533.D
 Acq: 3 May 2019 17:07

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.0	71.5	107.3
141	45.1	24.0	36.0





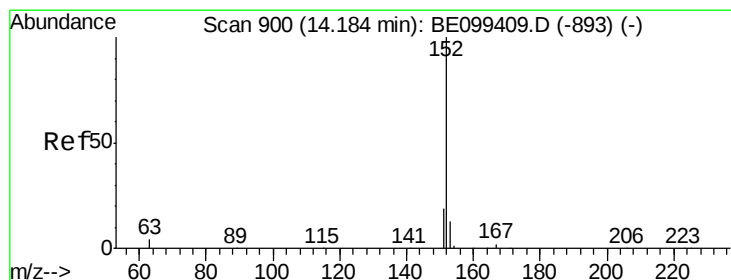
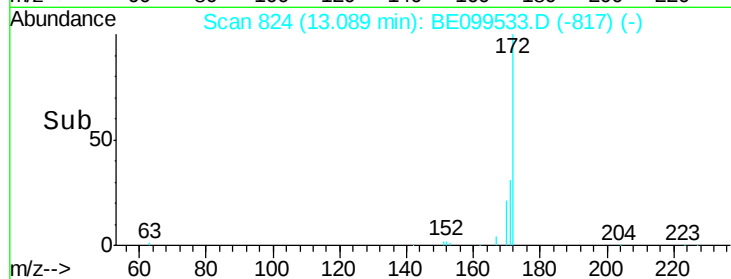
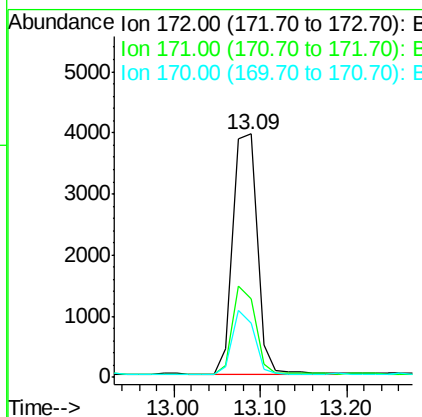
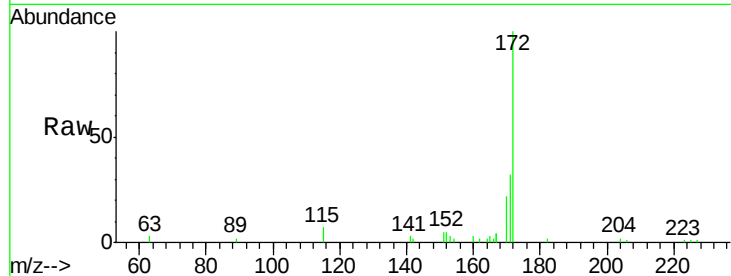
#15
2-Fluorobiphenyl
Concen: 0.237 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE099533.D
Acq: 3 May 2019 17:07

Instrument :
BNA_E
ClientSampleId :
PST-003-B177-042319

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.3	26.6	39.8
170	22.4	17.0	25.6

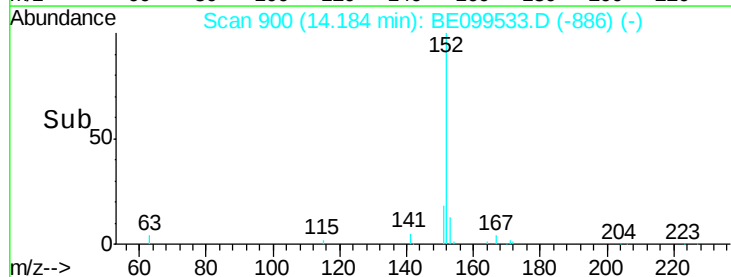
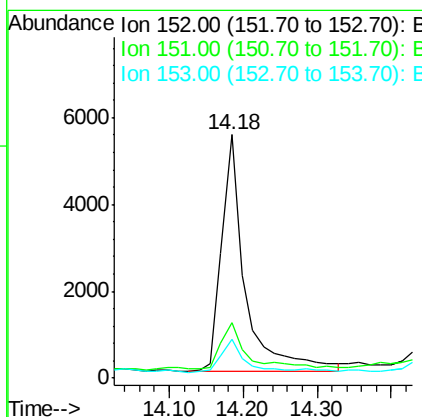
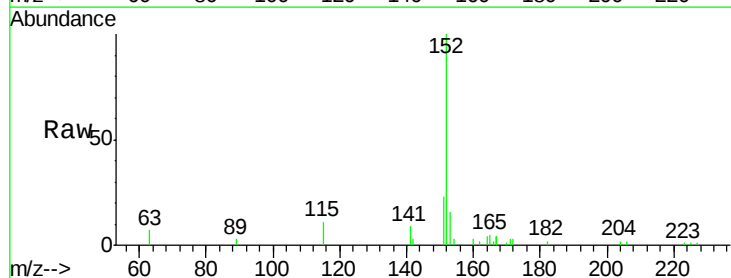
Manual Integrations
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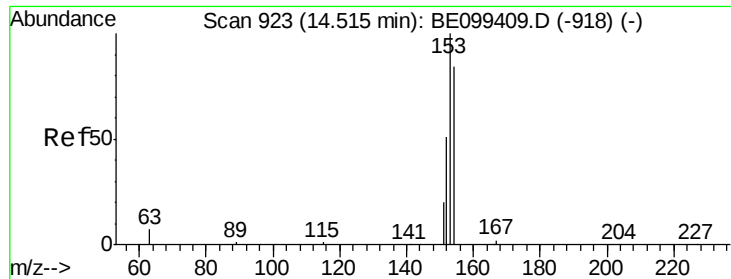
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#16
Acenaphthylene
Concen: 0.293 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099533.D
Acq: 3 May 2019 17:07

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.5	15.4	23.2
153	14.7	9.8	14.6#





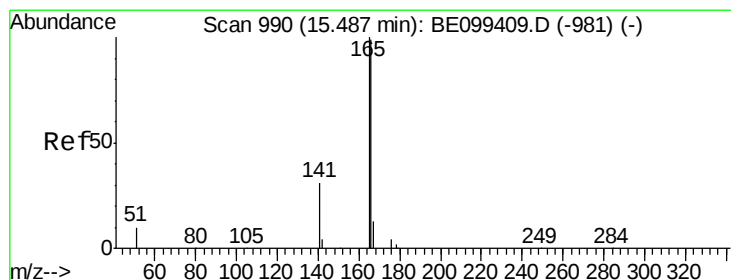
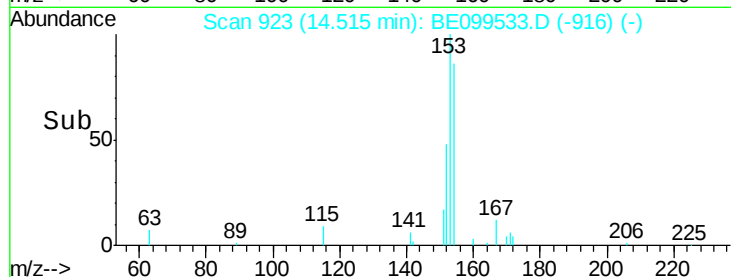
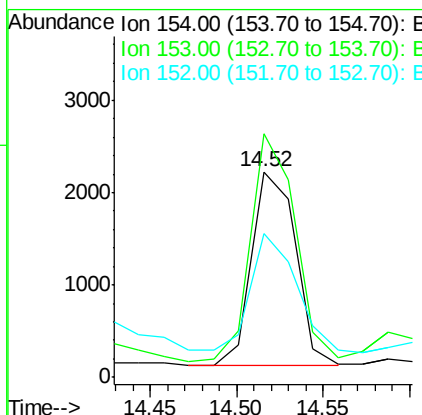
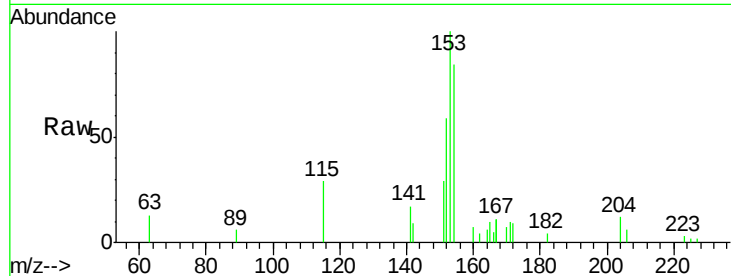
#17
Acenaphthene
Concen: 0.158 ng
RT: 14.52 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE099533.D
Acq: 3 May 2019 17:07

Instrument :
BNA_E
ClientSampleId :
PST-003-B177-042319

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.2	92.6	138.8
152	62.1	45.8	68.8

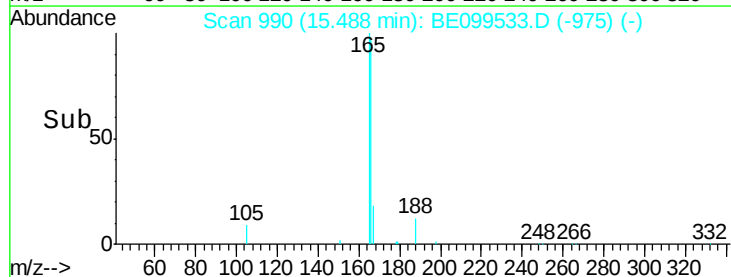
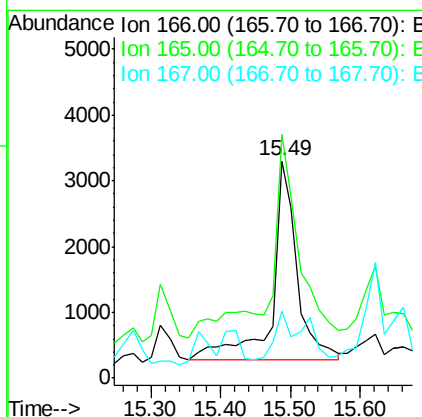
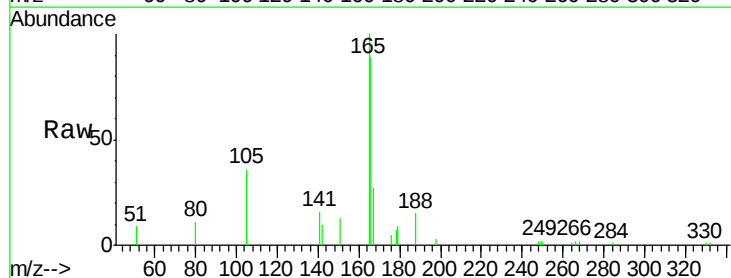
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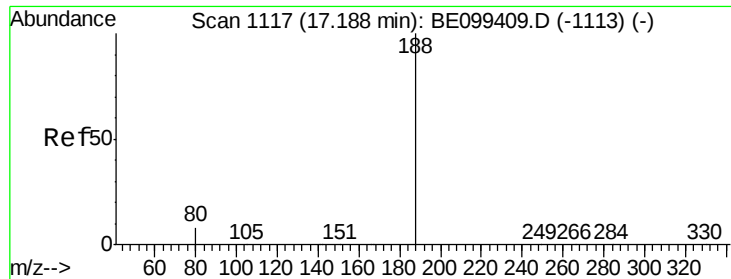
mohammad
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#18
Fluorene
Concen: 0.217 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099533.D
Acq: 3 May 2019 17:07

Tgt Ion	Ratio	Lower	Upper
166	100		
165	80.3	80.3	120.5#
167	28.0	10.7	16.1#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099533.D

Acq: 3 May 2019 17:07

Instrument :

BNA_E

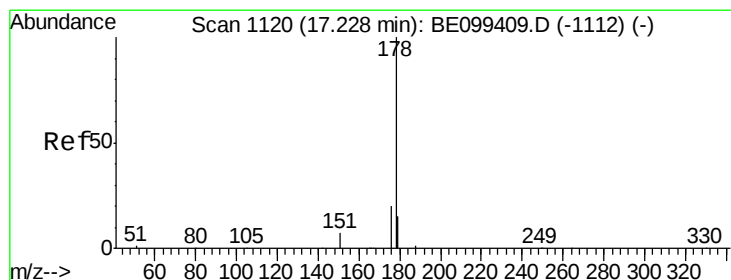
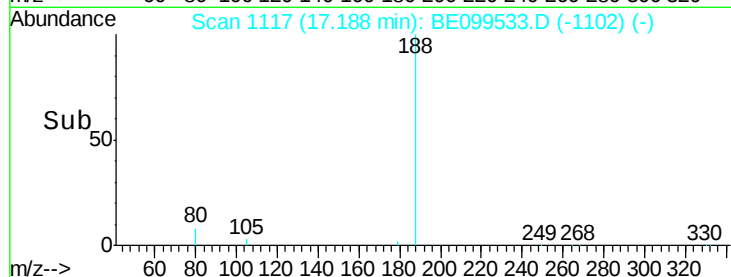
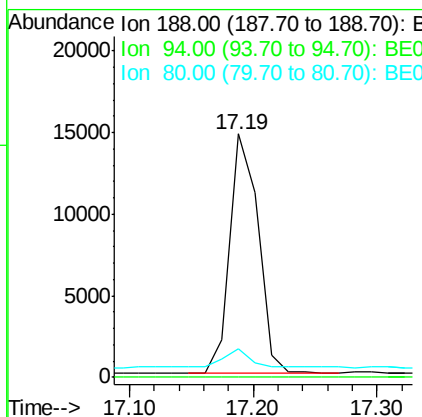
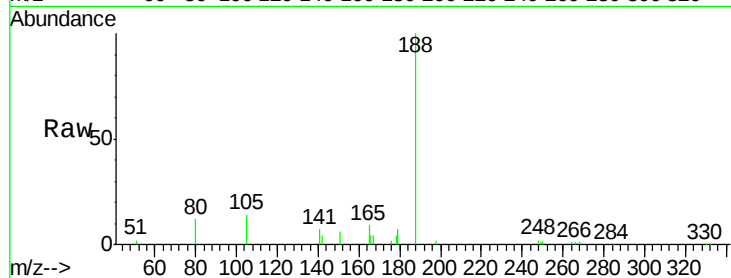
ClientSampleId :

PST-003-B177-042319

Tgt Ion:	188	Resp:	23592
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.8	6.7	10.1#

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#23

Phenanthrene

Concen: 3.026 ng

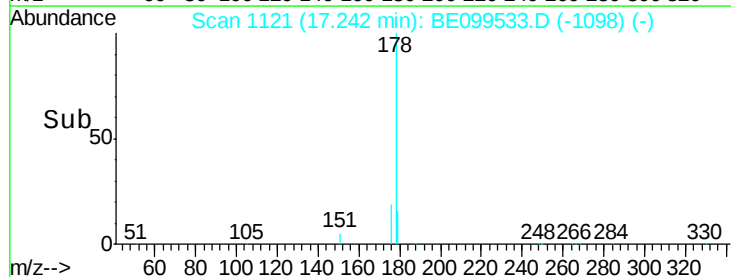
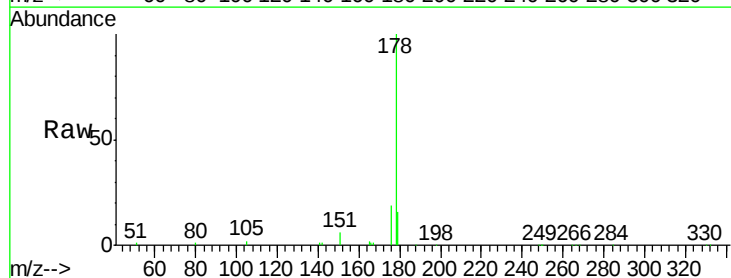
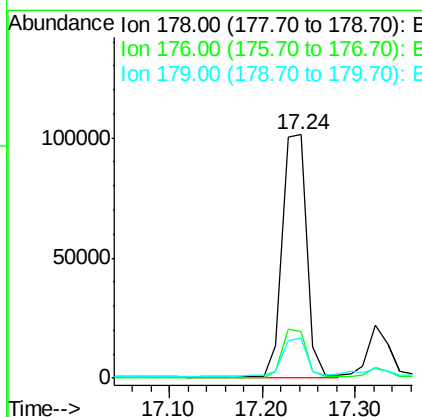
RT: 17.24 min Scan# 1121

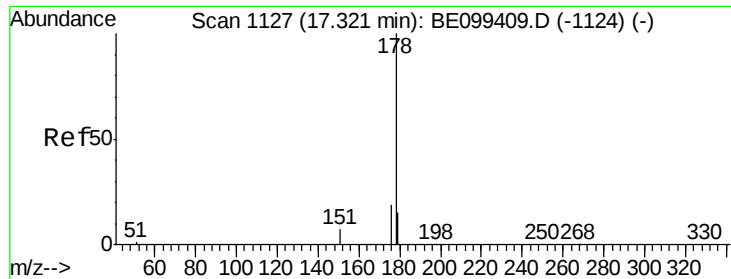
Delta R.T. 0.01 min

Lab File: BE099533.D

Acq: 3 May 2019 17:07

Tgt Ion:	178	Resp:	184199
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.6	23.4
179	16.0	12.0	18.0





#24

Anthracene

Concen: 0.546 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099533.D

Acq: 3 May 2019 17:07

Instrument :

BNA_E

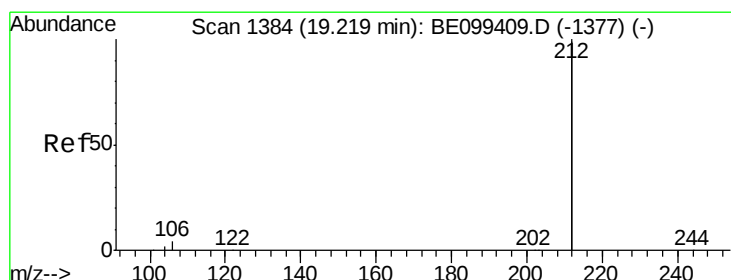
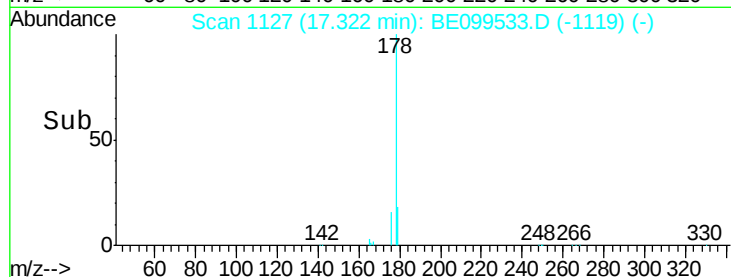
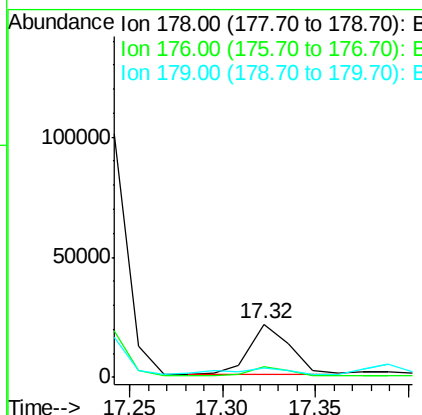
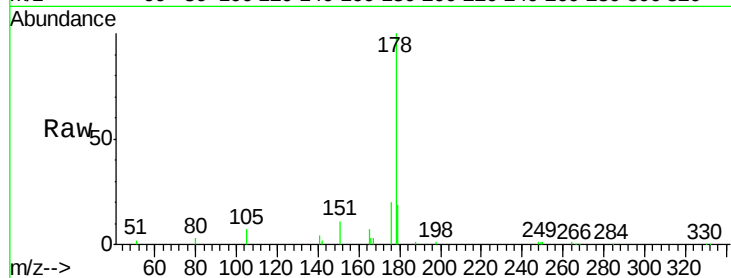
ClientSampleId :

PST-003-B177-042319

Tgt Ion:	178	Resp:	31670
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.9	22.3
179	21.3	11.9	17.9#

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#25

Fluoranthene-d10

Concen: 0.232 ng

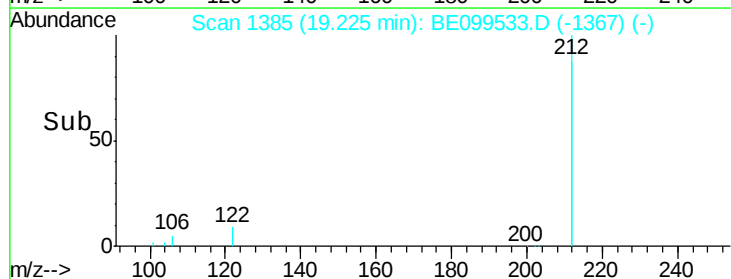
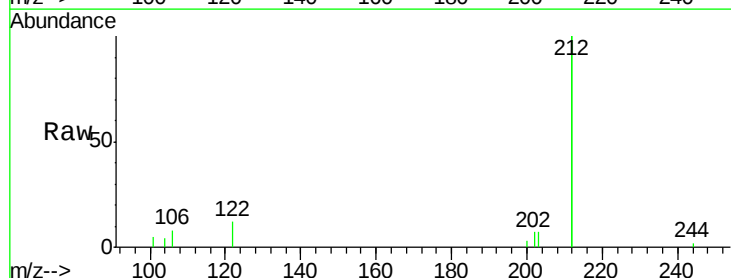
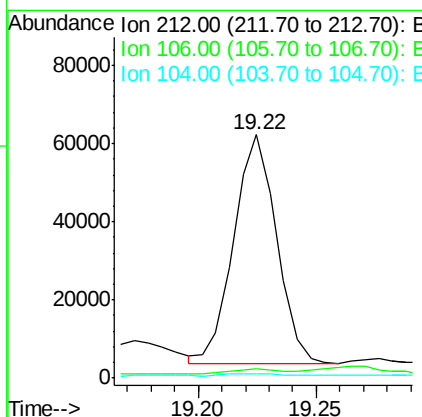
RT: 19.22 min Scan# 1385

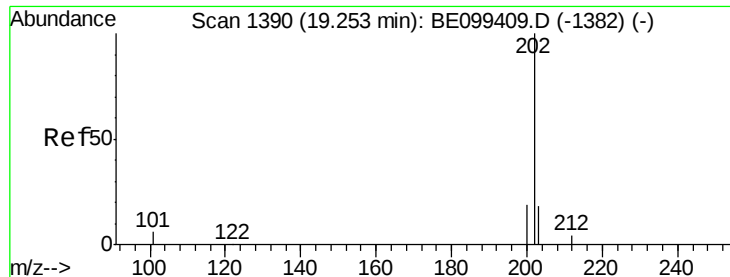
Delta R.T. 0.01 min

Lab File: BE099533.D

Acq: 3 May 2019 17:07

Tgt Ion:	212	Resp:	73831
Ion Ratio	Lower	Upper	
212	100		
106	2.8	1.5	2.3#
104	1.2	0.9	1.3





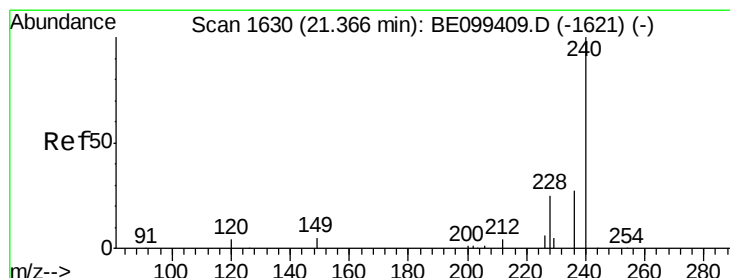
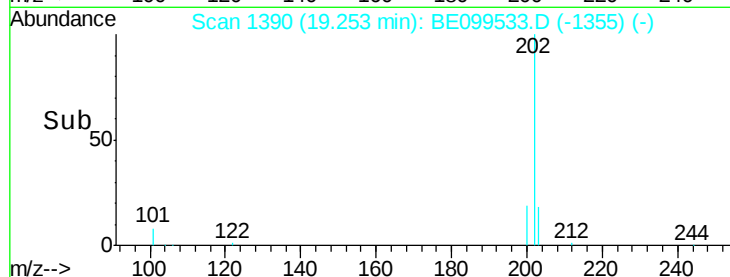
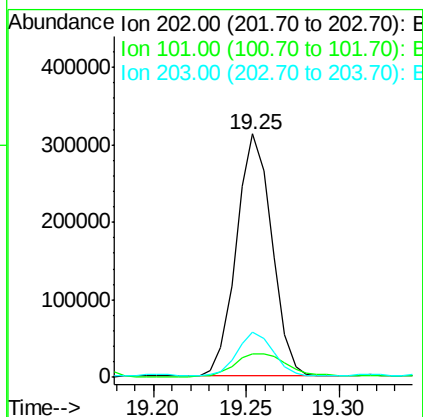
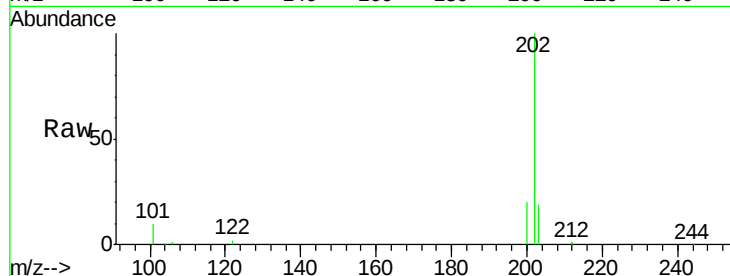
#26
Fluoranthene
Concen: 4.561 ng
RT: 19.25 min Scan# 1390
Delta R.T. 0.00 min
Lab File: BE099533.D
Acq: 3 May 2019 17:07

Instrument :
BNA_E
ClientSampleId :
PST-003-B177-042319

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	415868		
101	14.8	5.4	8.0#	
203	18.0	13.9	20.9	

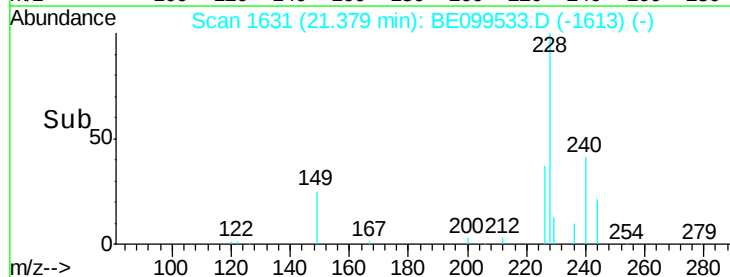
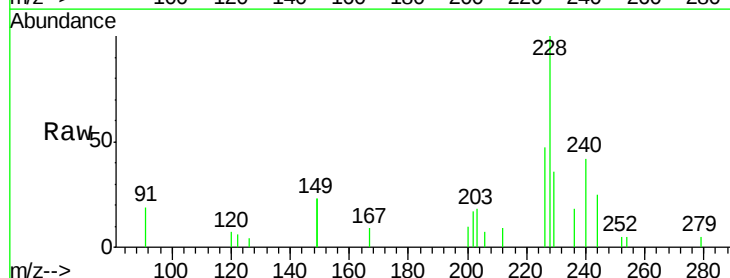
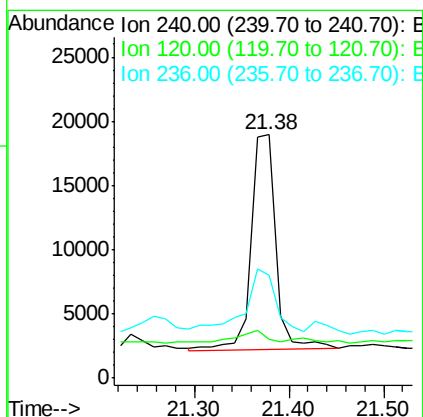
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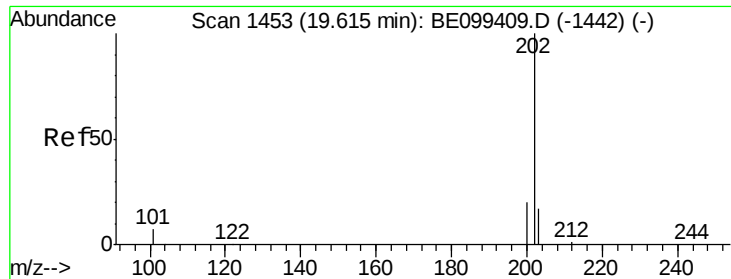
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.01 min
Lab File: BE099533.D
Acq: 3 May 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	30454		
120	16.0	4.0	6.0#	
236	42.2	22.0	33.0#	





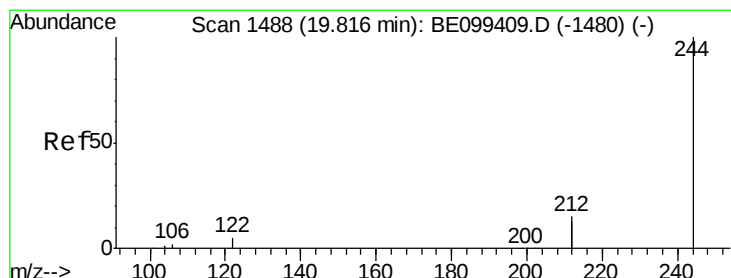
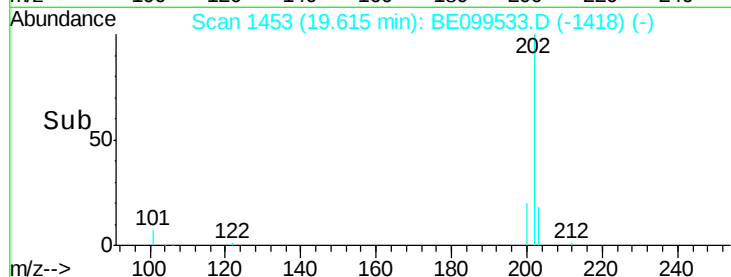
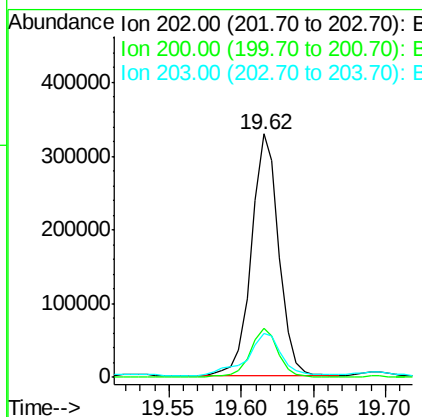
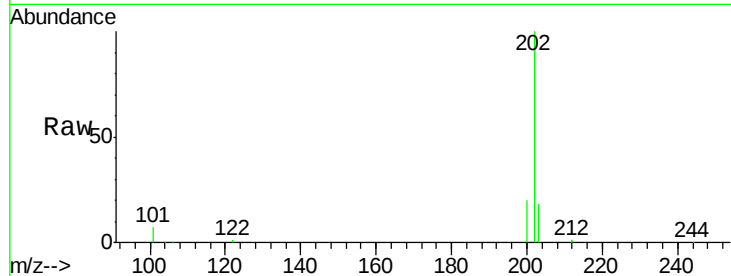
#28
 Pyrene
 Concen: 5.520 ng
 RT: 19.62 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BE099533.D
 Acq: 3 May 2019 17:07

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B177-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.0	15.7	23.5
203	21.6	13.9	20.9

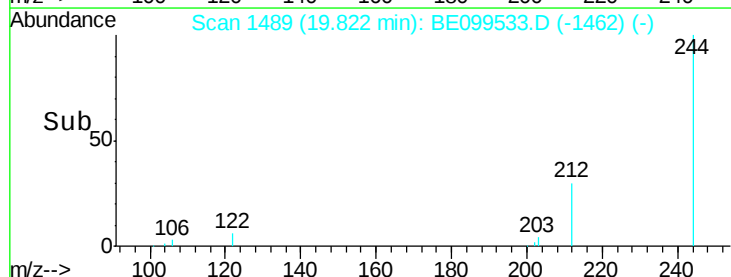
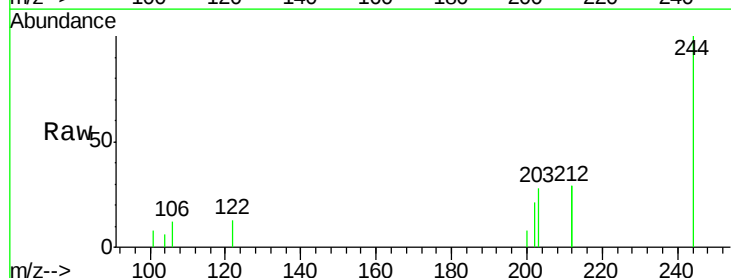
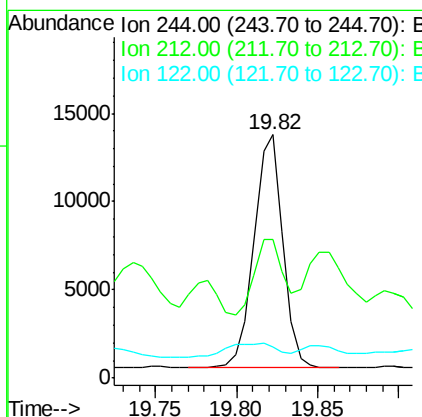
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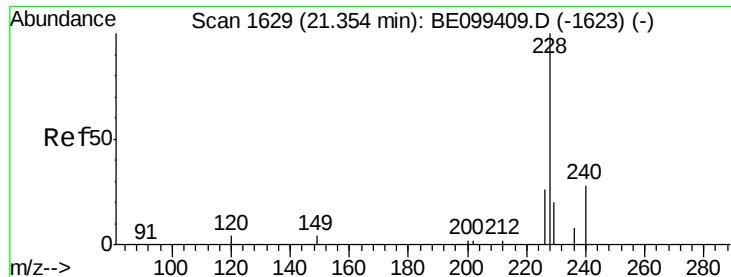
mohammad
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#29
 Terphenyl-d14
 Concen: 0.293 ng
 RT: 19.82 min Scan# 1489
 Delta R.T. 0.01 min
 Lab File: BE099533.D
 Acq: 3 May 2019 17:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	57.1	23.2	34.8
122	13.0	4.2	6.4





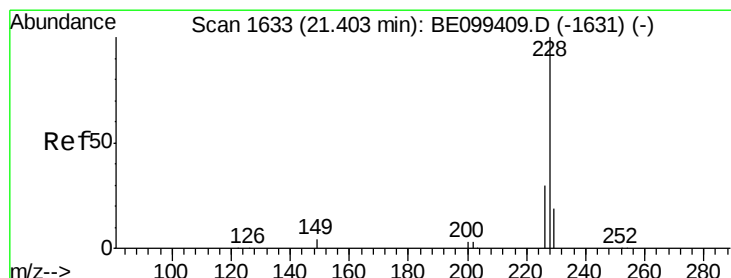
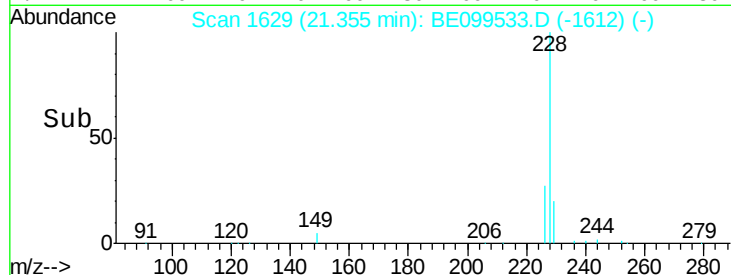
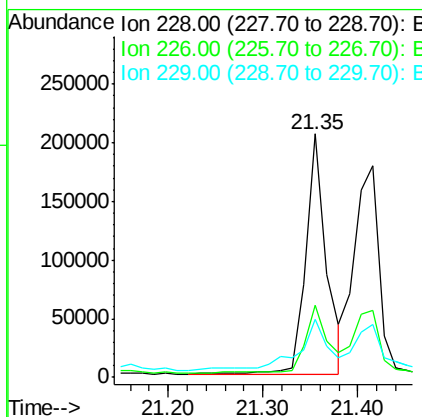
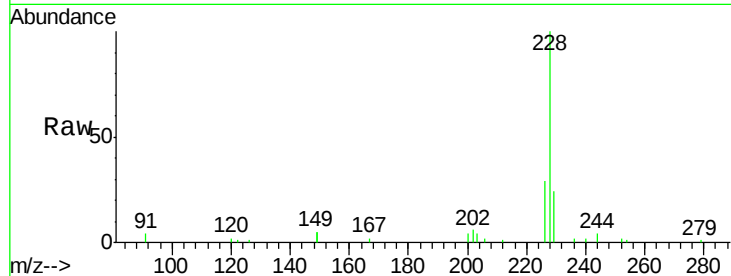
#30
Benzo(a)anthracene
Concen: 3.163 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.00 min
Lab File: BE099533.D
Acq: 3 May 2019 17:07

Instrument :
BNA_E
ClientSampleId :
PST-003-B177-042319

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.0	31.6
229	23.9	16.6	25.0

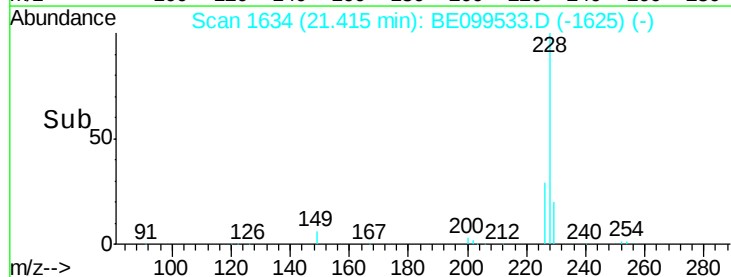
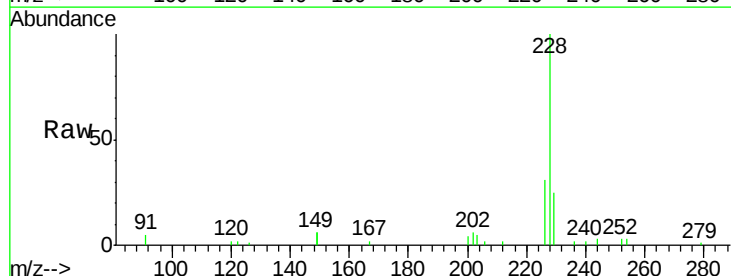
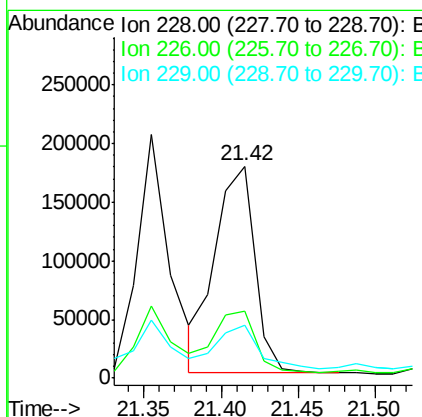
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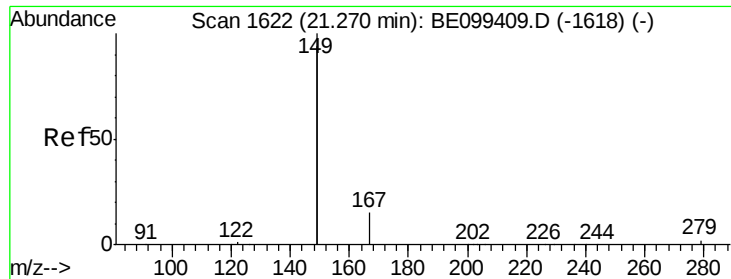
mohammad
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#31
Chrysene
Concen: 3.306 ng
RT: 21.42 min Scan# 1634
Delta R.T. 0.01 min
Lab File: BE099533.D
Acq: 3 May 2019 17:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.0	36.0
229	25.1	15.8	23.8





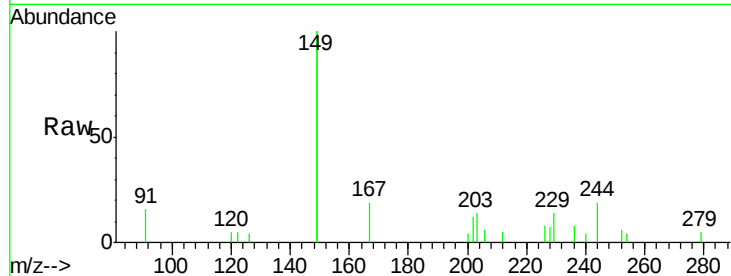
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.864 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE099533.D
 Acq: 3 May 2019 17:07

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B177-042319

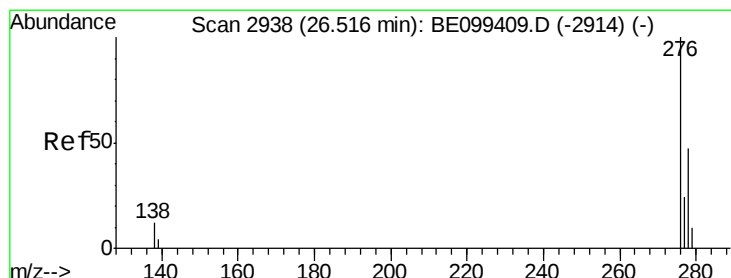
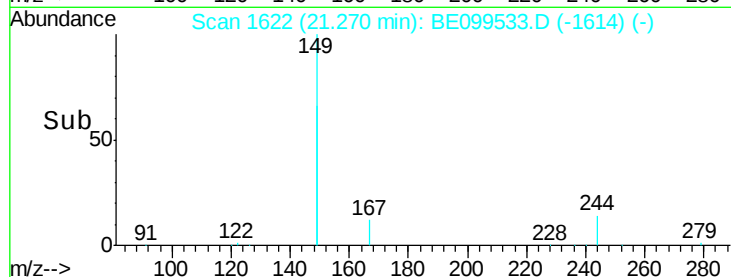
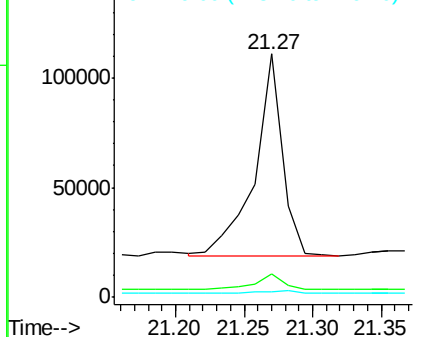
Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	7.3	5.8	8.6
279	1.4	1.0	1.6

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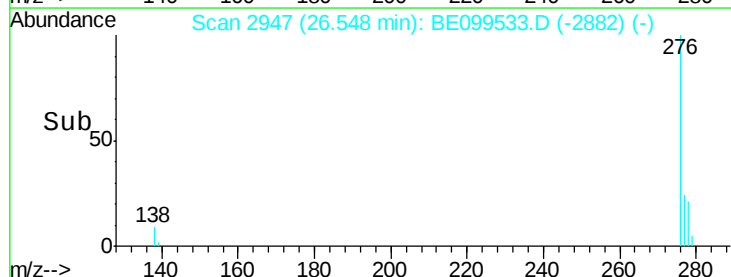
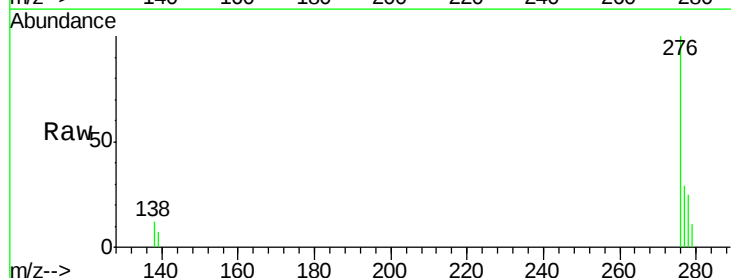
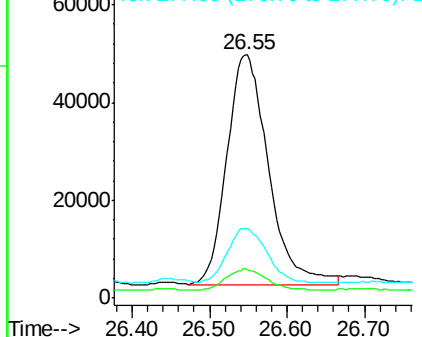
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

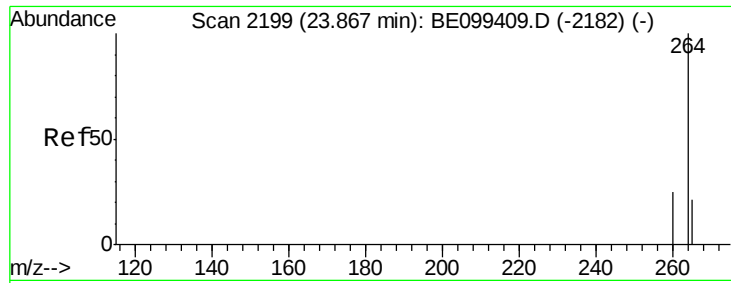


#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.559 ng
 RT: 26.55 min Scan# 2947
 Delta R.T. 0.03 min
 Lab File: BE099533.D
 Acq: 3 May 2019 17:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	8.8	10.2	15.2#
277	22.4	19.2	28.8

Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E





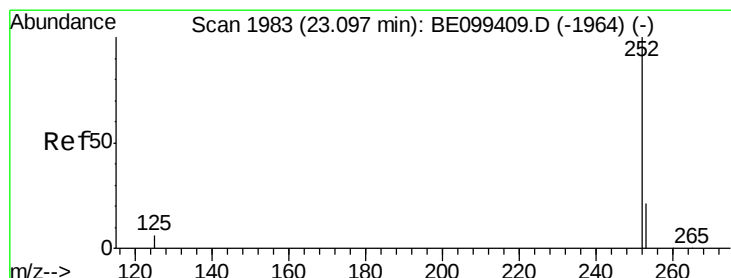
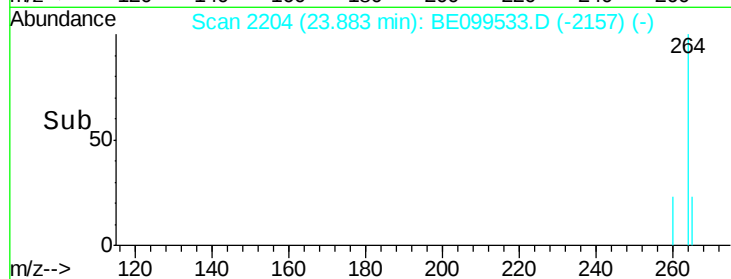
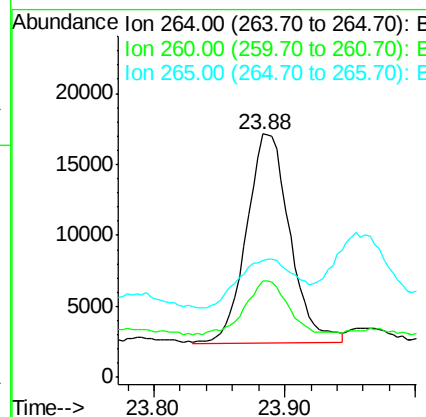
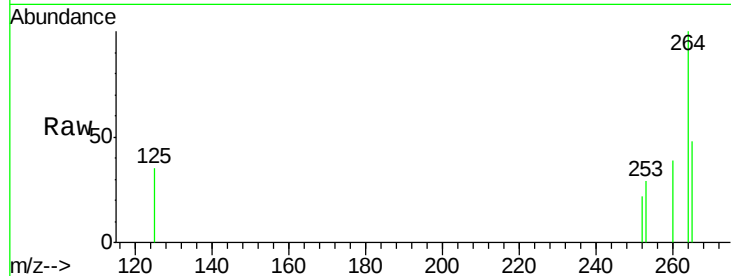
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.88 min Scan# 2204
 Delta R.T. 0.02 min
 Lab File: BE099533.D
 Acq: 3 May 2019 17:07

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B177-042319

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	34096		
260	39.3	20.2	30.2#	
265	48.1	21.3	31.9#	

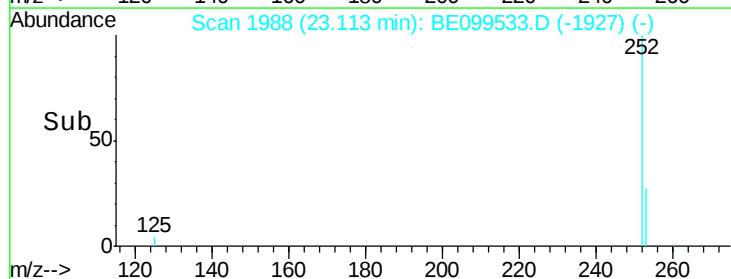
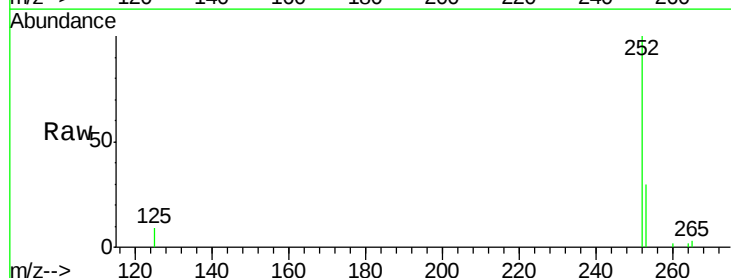
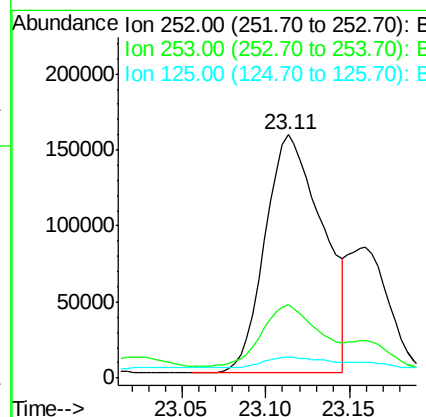
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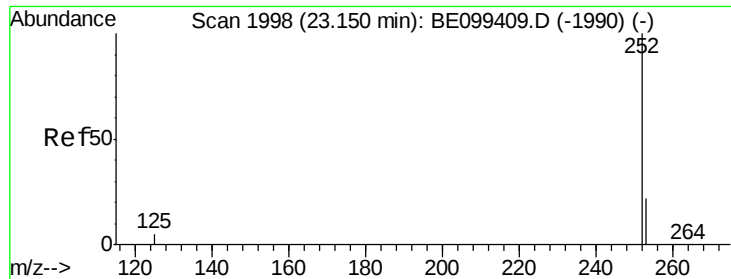
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#35
Benzo(b)fluoranthene
 Concen: 3.832 ng
 RT: 23.11 min Scan# 1988
 Delta R.T. 0.02 min
 Lab File: BE099533.D
 Acq: 3 May 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	376780		
253	30.2	18.1	27.1#	
125	8.8	5.6	8.4#	





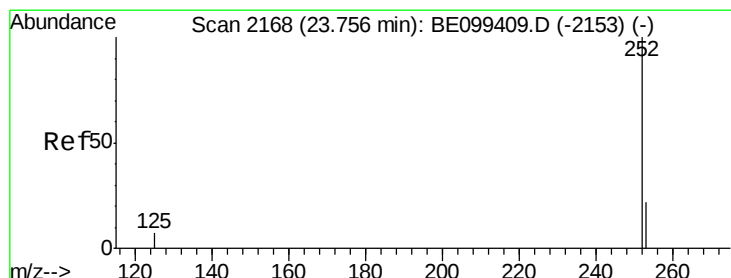
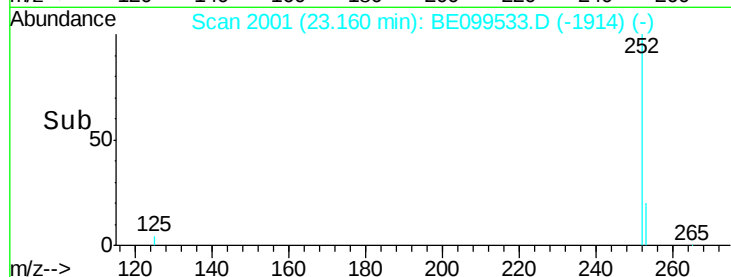
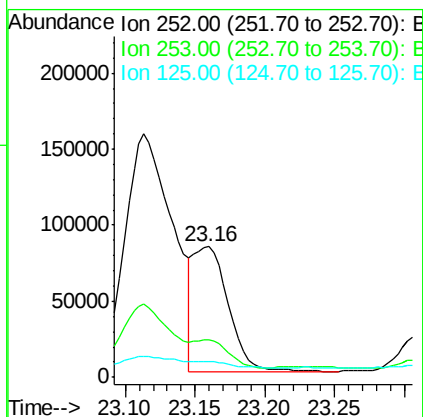
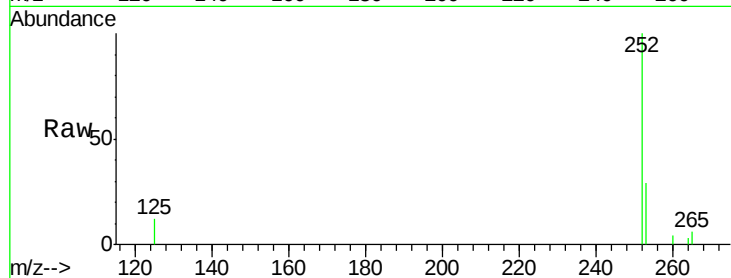
#36
Benzo(k)fluoranthene
Concen: 1.513 ng m
RT: 23.16 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BE099533.D
Acq: 3 May 2019 17:07

Instrument :
BNA_E
ClientSampleId :
PST-003-B177-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	18.4	27.6#
125	12.1	5.0	7.4#

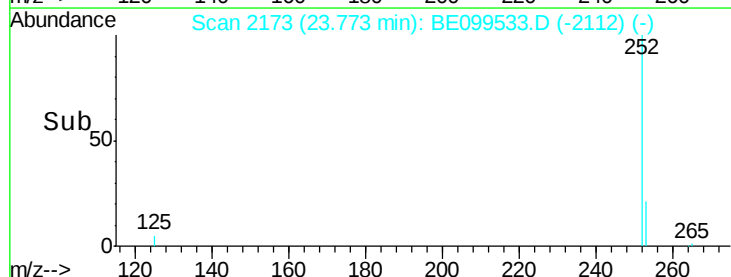
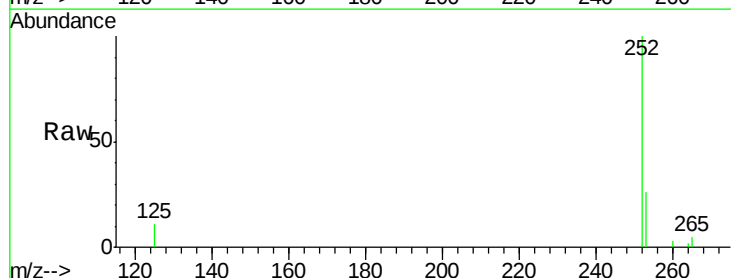
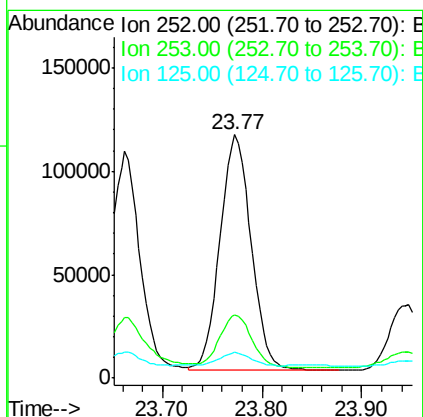
Manual Integrations
APPROVED

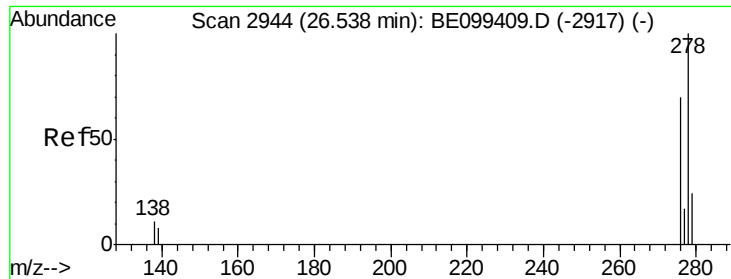
mohammad
5/7/2019 11:56:57 PM



#37
Benzo(a)pyrene
Concen: 2.674 ng
RT: 23.77 min Scan# 2173
Delta R.T. 0.02 min
Lab File: BE099533.D
Acq: 3 May 2019 17:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.9	28.3
125	10.5	6.7	10.1#





#38

Dibenzo(a,h)anthracene

Concen: 0.470 ng

RT: 26.57 min Scan# 2952

Delta R.T. 0.03 min

Lab File: BE099533.D

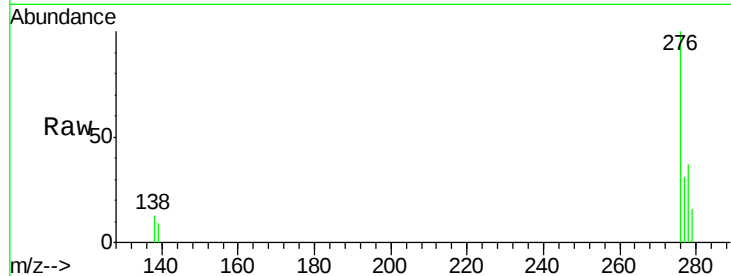
Acq: 3 May 2019 17:07

Instrument :

BNA_E

ClientSampleId :

PST-003-B177-042319



Tgt Ion: 278 Resp: 44728

Ion Ratio Lower Upper

278 100

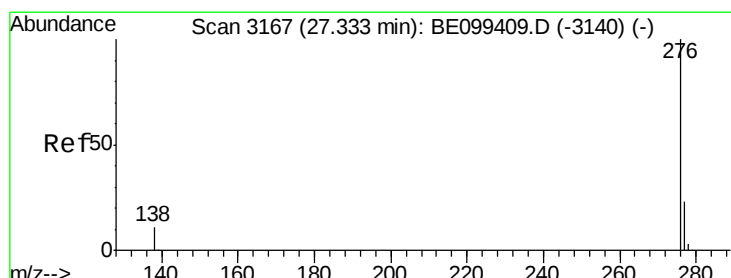
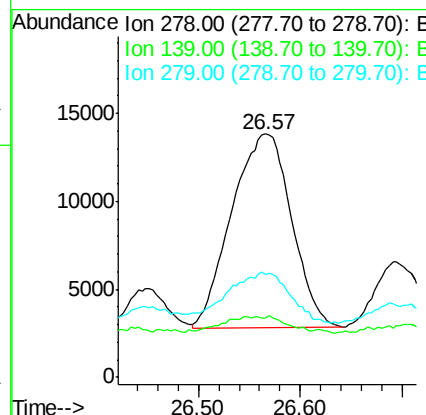
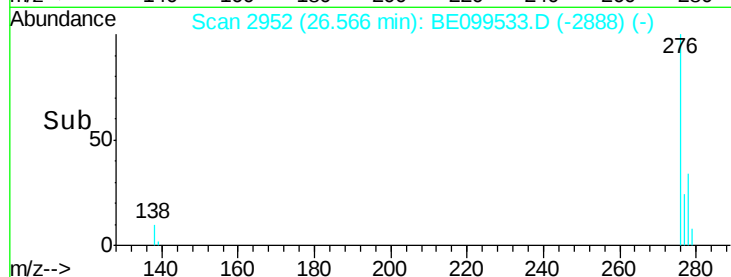
139 24.2 7.7 11.5#

279 42.5 20.2 30.2#

Manual Integrations
APPROVED

mohammad

5/7/2019 11:56:57 PM



#39

Benzo(g,h,i)perylene

Concen: 1.884 ng

RT: 27.38 min Scan# 3179

Delta R.T. 0.04 min

Lab File: BE099533.D

Acq: 3 May 2019 17:07

Tgt Ion: 276 Resp: 179506

Ion Ratio Lower Upper

276 100

277 28.5 19.5 29.3

138 11.8 9.6 14.4

