

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
 Data File : BE099540.D
 Acq On : 3 May 2019 21:18
 Operator : JU/SJ
 Sample : K2587-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B176-042319

Manual Integrations
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mohammad
 5/7/2019 11:56:49 PM

Quant Time: May 04 02:23:43 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	2457	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	9563	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	7512	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	21728	0.40	ng	0.01
27) Chrysene-d12	21.38	240	25185	0.40	ng	0.01
34) Perylene-d12	23.89	264	29434	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2574	0.38	ng	0.00
5) Phenol-d6	6.98	99	3807	0.42	ng	0.00
8) Nitrobenzene-d5	8.96	82	3252	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	5978	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1985	0.42	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	9153	0.32	ng	0.00
25) Fluoranthene-d10	19.23	212	84523	0.29	ng	0.01
29) Terphenyl-d14	19.82	244	17042	0.37	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	9346	0.090	ng	# 98
12) 2-Methylnaphthalene	12.28	142	1317	0.073	ng	95
16) Acenaphthylene	14.18	152	7447	0.203	ng	96
17) Acenaphthene	14.53	154	2043	0.097	ng	99
18) Fluorene	15.50	166	4097	0.132	ng	95
23) Phenanthrene	17.24	178	82673	1.475	ng	99
24) Anthracene	17.33	178	13136	0.246	ng	96
26) Fluoranthene	19.26	202	143478	1.708	ng	99
28) Pyrene	19.62	202	171740	2.616	ng	96
30) Benzo(a)anthracene	21.35	228	90696	1.130	ng	95
31) Chrysene	21.41	228	100385m	1.278	ng	
32) Bis(2-ethylhexyl)phthalate	21.27	149	24230	0.142	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.55	276	46101	0.497	ng	# 94
35) Benzo(b)fluoranthene	23.11	252	104690	1.233	ng	# 95
36) Benzo(k)fluoranthene	23.16	252	34495m	0.421	ng	
37) Benzo(a)pyrene	23.77	252	80193	0.999	ng	97
38) Dibenzo(a,h)anthracene	26.56	278	11511	0.140	ng	# 56
39) Benzo(g,h,i)perylene	27.37	276	46445	0.565	ng	# 92

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

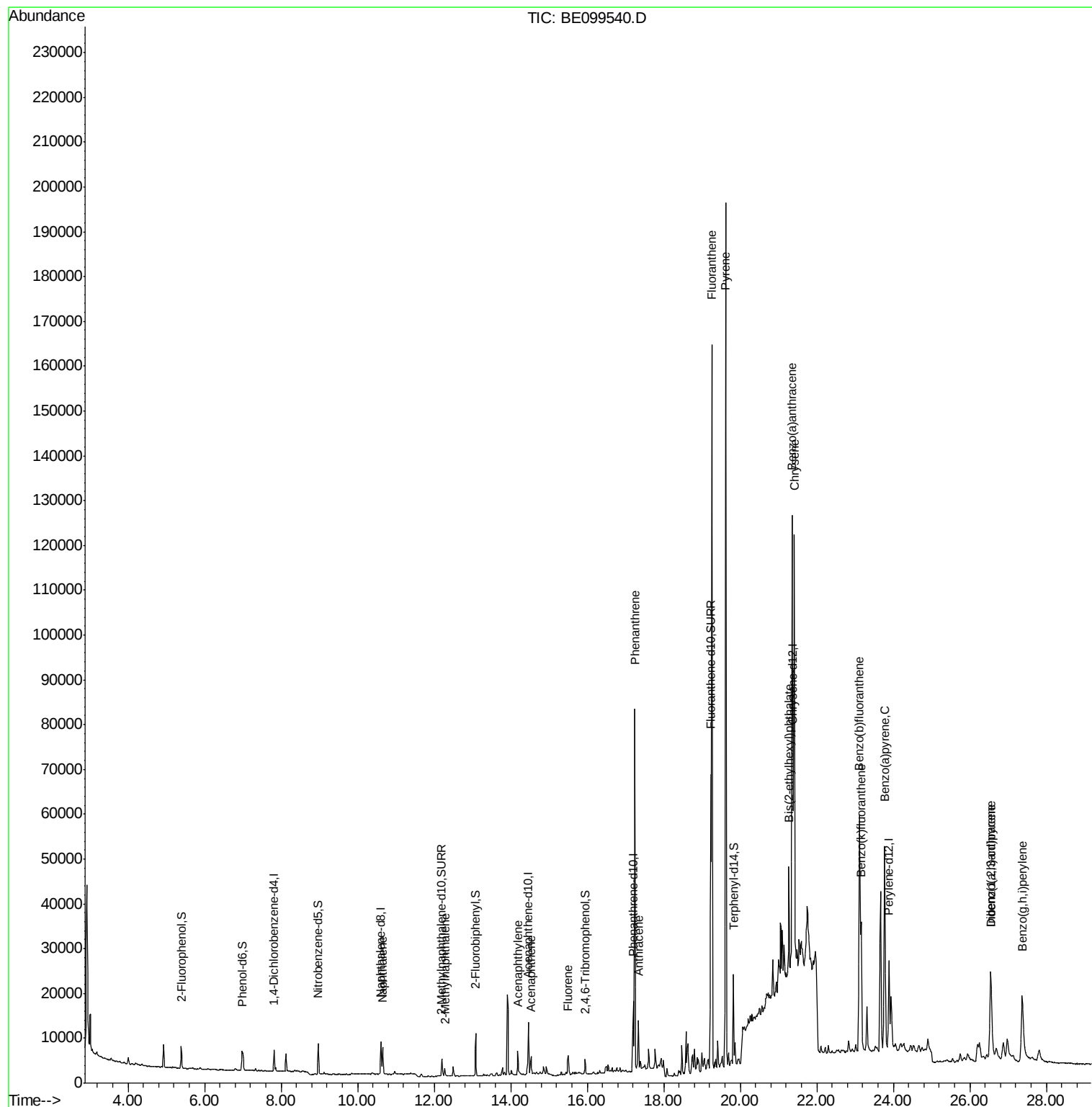
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
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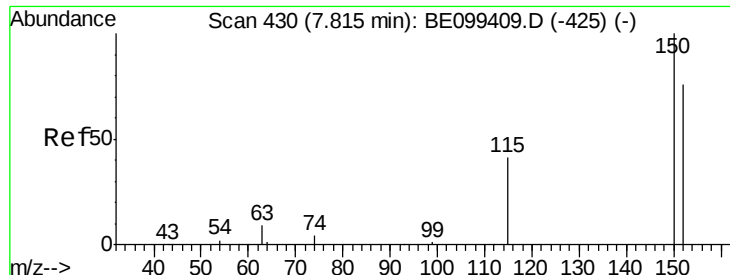
Instrument :
BNA_E
ClientSampleId :
PST-003-B176-042319

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Quant Time: May 04 02:23:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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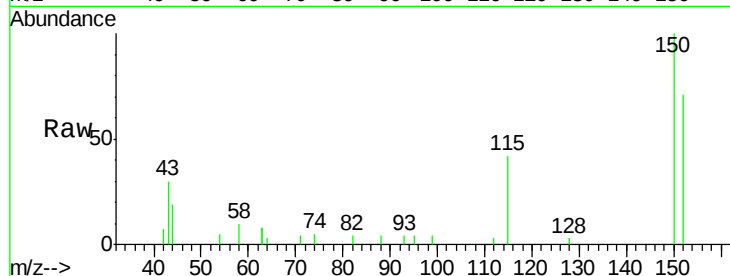




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099540.D
Acq: 3 May 2019 21:18

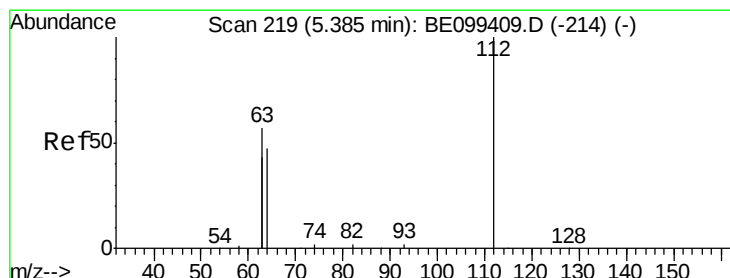
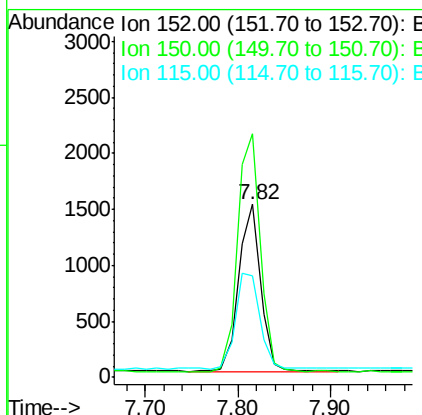
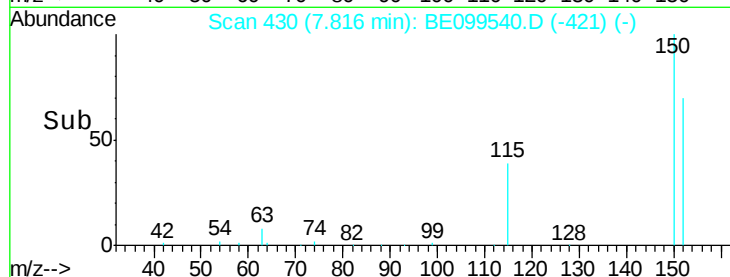
Instrument :
BNA_E
ClientSampleId :
PST-003-B176-042319



Tgt Ion	Ratio	Lower	Upper
152	100		
150	140.6	104.8	157.2
115	58.8	46.6	69.8

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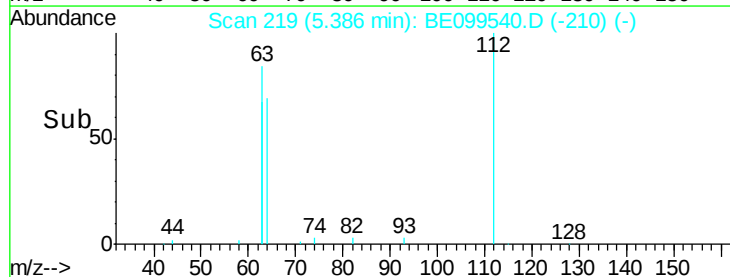
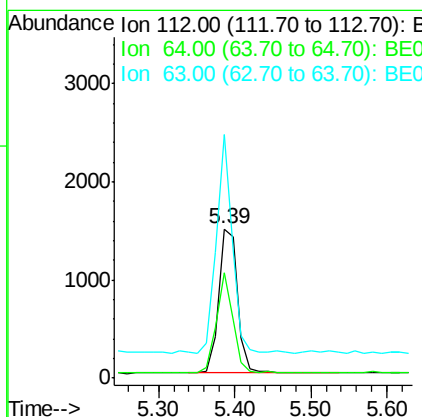
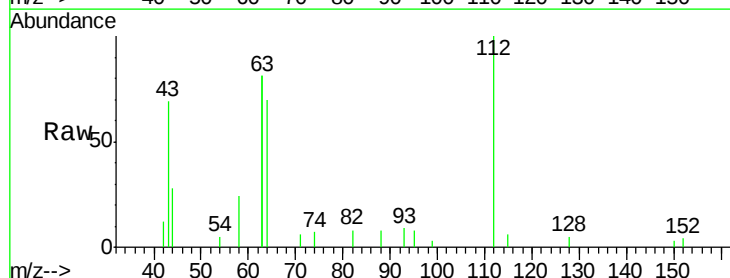
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#4

2-Fluorophenol
Concen: 0.379 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099540.D
Acq: 3 May 2019 21:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	47.4	71.0
63	124.6	104.3	156.5





#5

Phenol-d6

Concen: 0.421 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099540.D

Acq: 3 May 2019 21:18

Instrument :

BNA_E

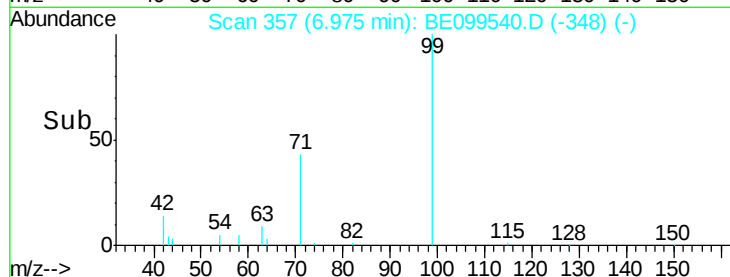
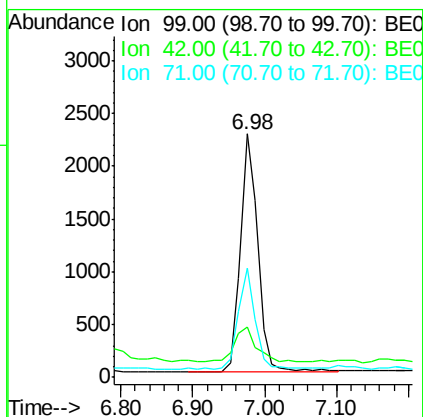
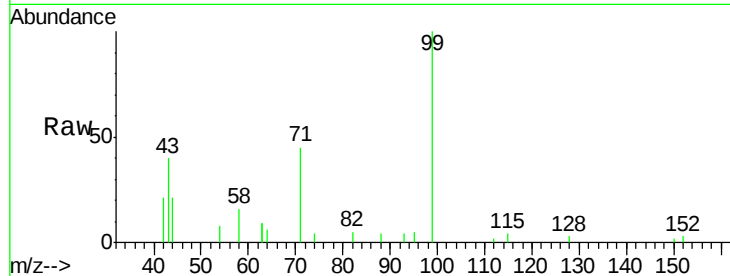
ClientSampleId :

PST-003-B176-042319

Tgt Ion:	99	Resp:	3807
Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.9	22.3
71	41.4	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

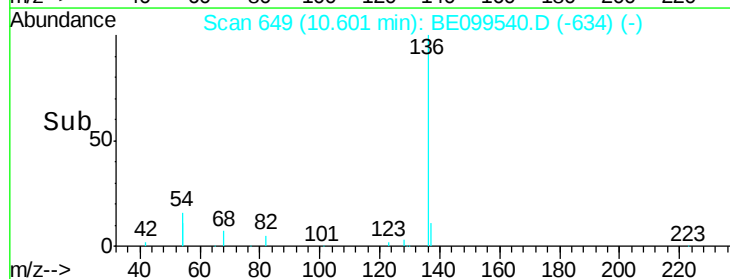
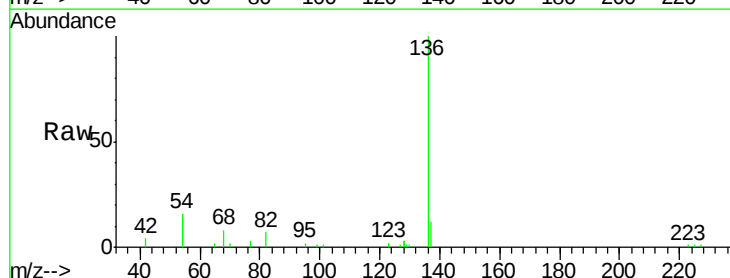
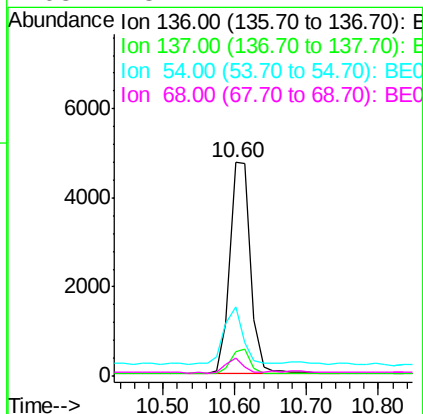
RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099540.D

Acq: 3 May 2019 21:18

Tgt Ion:	136	Resp:	9563
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.8	14.8
54	32.4	18.5	27.7#
68	8.1	4.7	7.1#





#8

Nitrobenzene-d5

Concen: 0.363 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099540.D

Acq: 3 May 2019 21:18

Instrument :

BNA_E

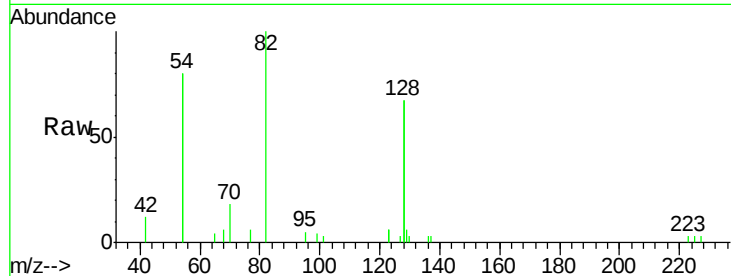
ClientSampleId :

PST-003-B176-042319

Tgt Ion:	82	Resp:	3252
Ion	Ratio	Lower	Upper
82	100		
128	133.3	107.0	160.4
54	160.4	113.1	169.7

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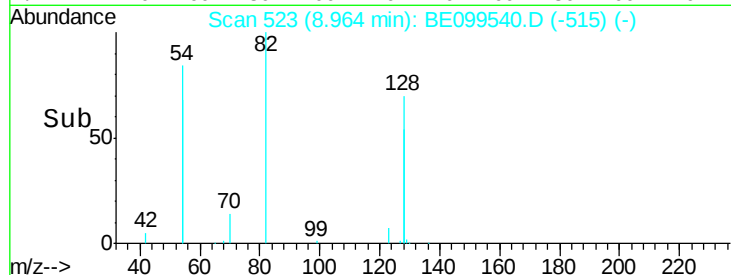


Abundance Ion 82.00 (81.70 to 82.70): BE099540.D (-515) (-)

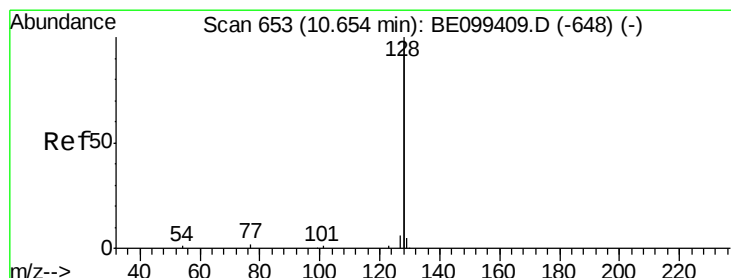
Ion 128.00 (127.70 to 128.70): BE099540.D (-515) (-)

Ion 54.00 (53.70 to 54.70): BE099540.D (-515) (-)

Time-->



Time-->



#9

Naphthalene

Concen: 0.090 ng

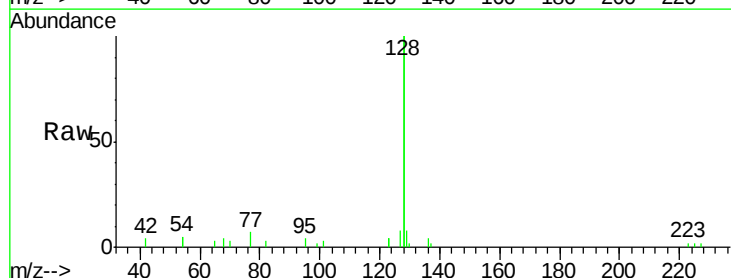
RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099540.D

Acq: 3 May 2019 21:18

Tgt Ion:	128	Resp:	9346
Ion	Ratio	Lower	Upper
128	100		
129	3.9	2.4	3.6#
127	4.1	2.8	4.2

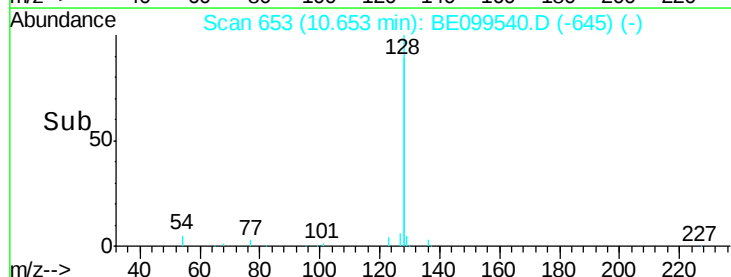


Abundance Ion 128.00 (127.70 to 128.70): BE099540.D (-645) (-)

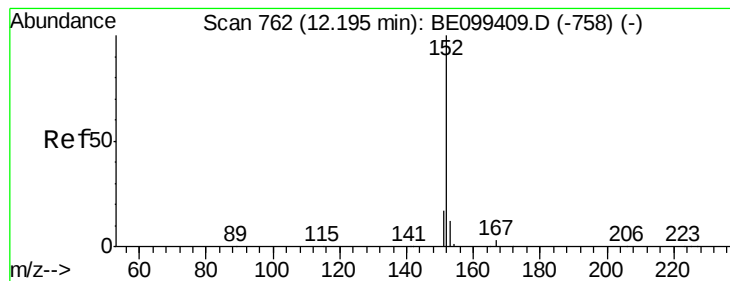
Ion 129.00 (128.70 to 129.70): BE099540.D (-645) (-)

Ion 127.00 (126.70 to 127.70): BE099540.D (-645) (-)

Time-->



Time-->



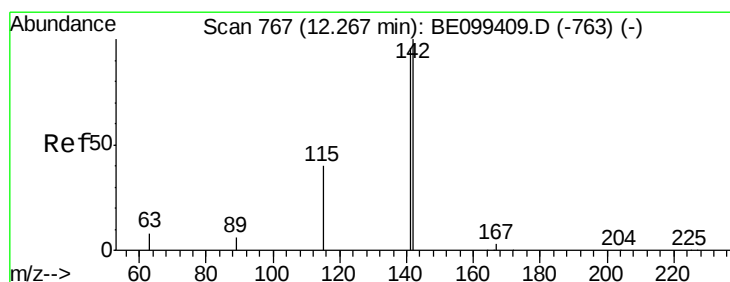
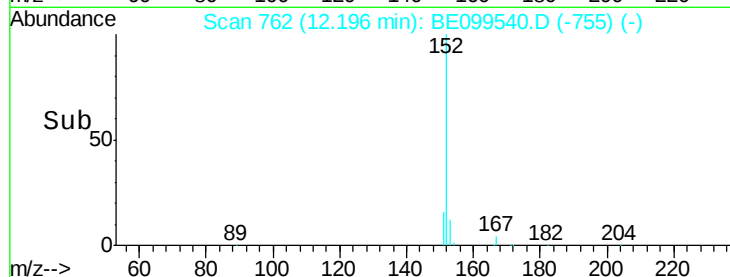
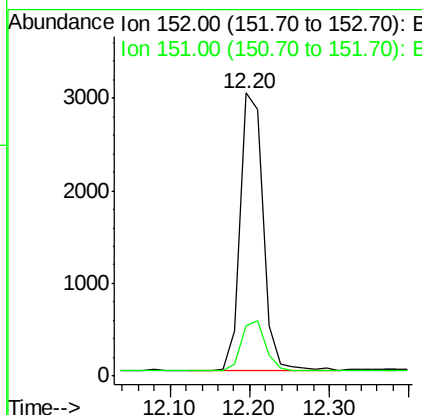
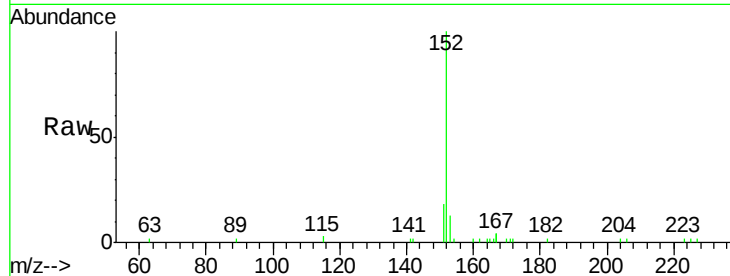
#11
 2-Methylnaphthalene-d10
 Concen: 0.347 ng
 RT: 12.20 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE099540.D
 Acq: 3 May 2019 21:18

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B176-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3

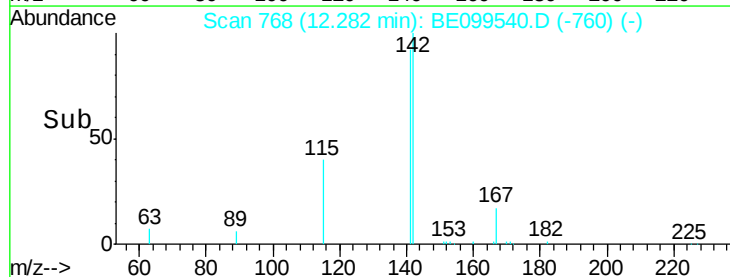
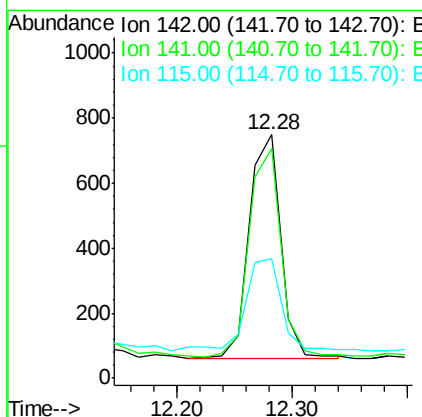
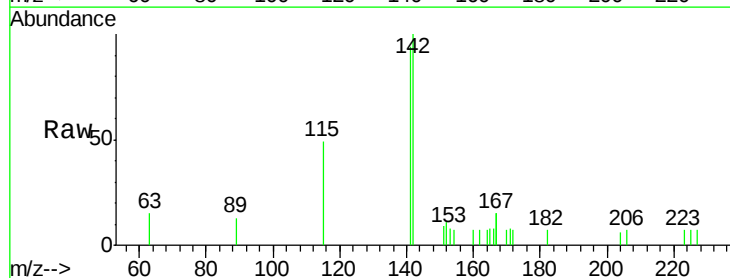
Manual Integrations
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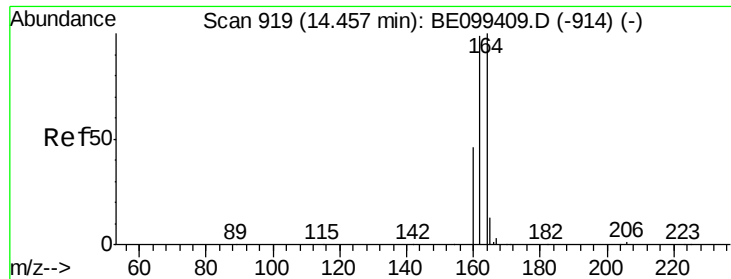
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#12
 2-Methylnaphthalene
 Concen: 0.073 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099540.D
 Acq: 3 May 2019 21:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.1	77.0	115.4
115	49.3	33.4	50.0





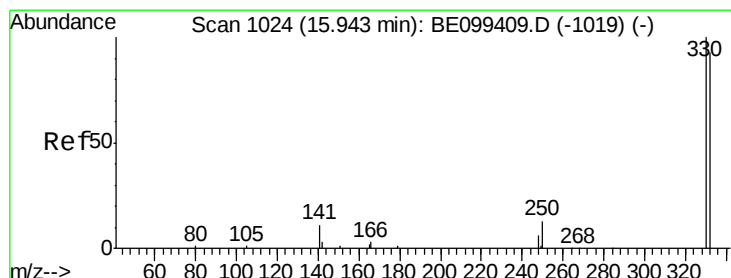
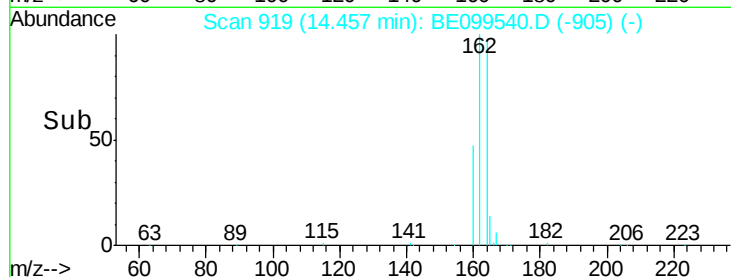
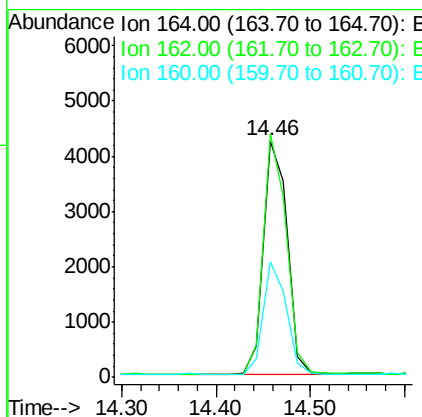
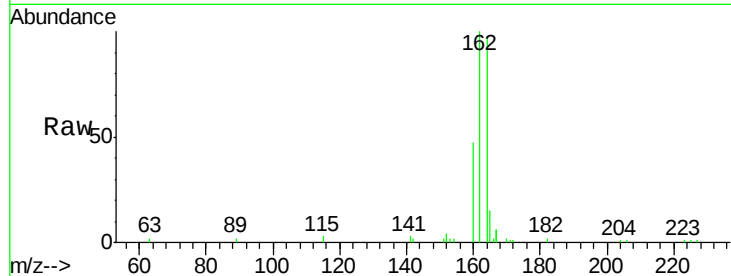
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE099540.D
Acq: 3 May 2019 21:18

Instrument :
BNA_E
ClientSampleId :
PST-003-B176-042319

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	79.0	118.4
160	48.9	37.0	55.4

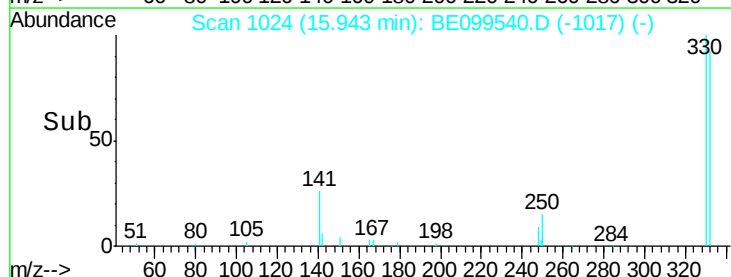
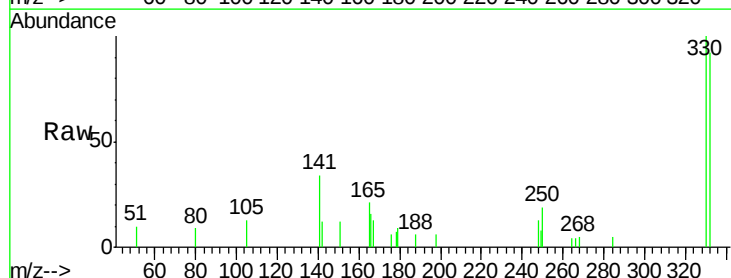
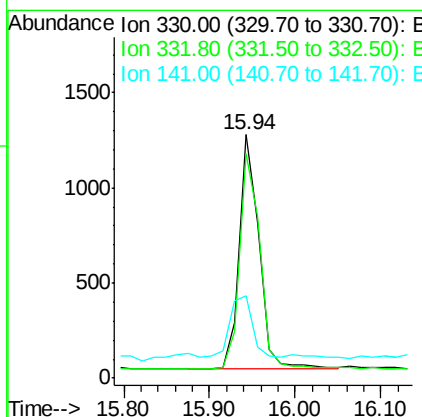
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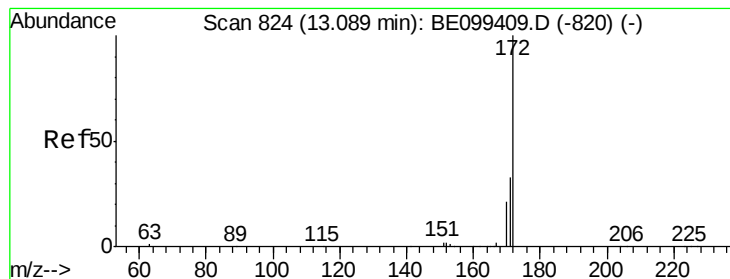
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#14
2,4,6-Tribromophenol
Concen: 0.419 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099540.D
Acq: 3 May 2019 21:18

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.7	71.5	107.3
141	29.8	24.0	36.0





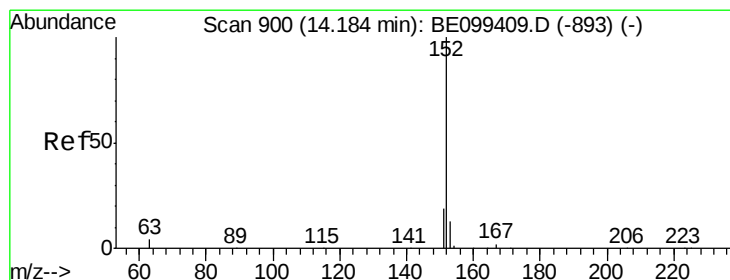
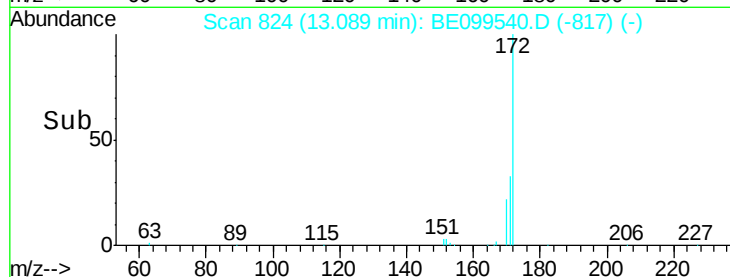
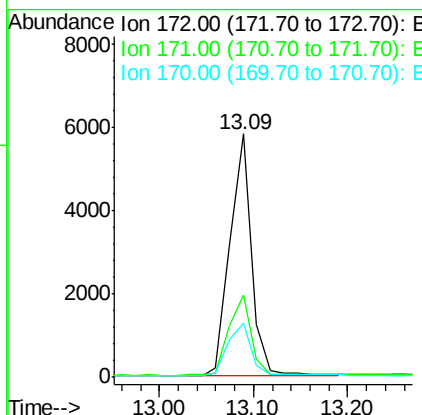
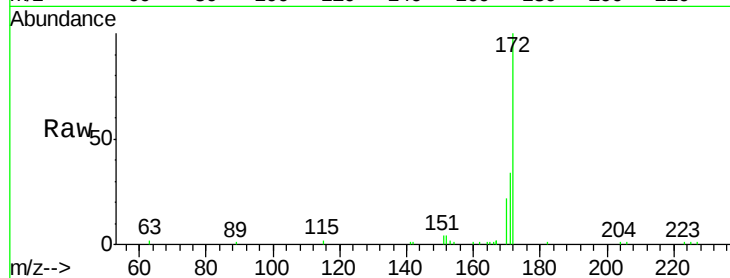
#15
2-Fluorobiphenyl
Concen: 0.319 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE099540.D
Acq: 3 May 2019 21:18

Instrument :
BNA_E
ClientSampleId :
PST-003-B176-042319

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	26.6	39.8
170	22.4	17.0	25.6

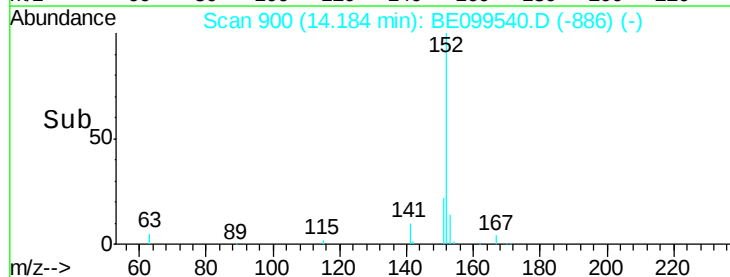
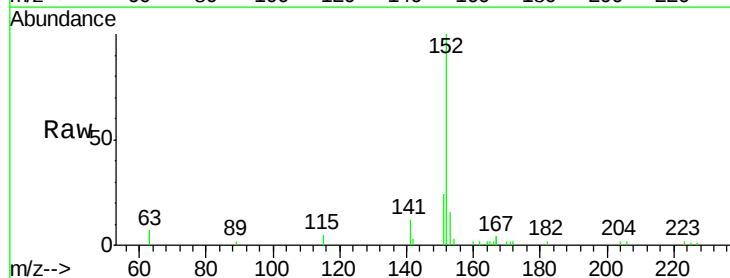
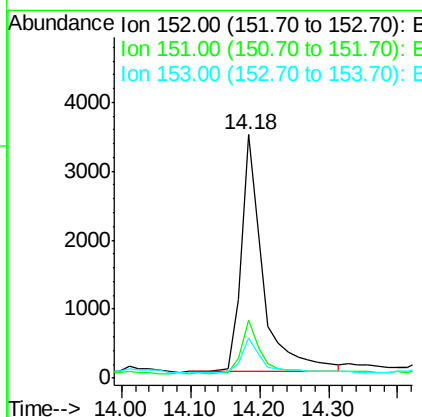
Manual Integrations
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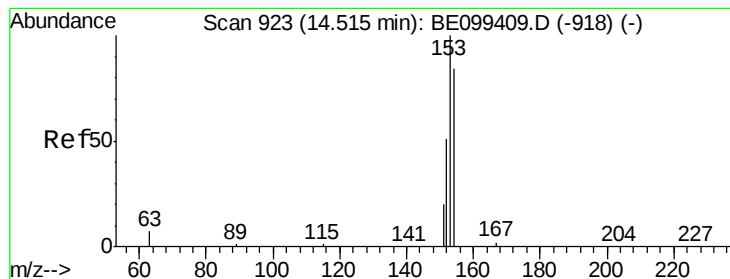
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#16
Acenaphthylene
Concen: 0.203 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099540.D
Acq: 3 May 2019 21:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.4	23.2
153	14.3	9.8	14.6





#17

Acenaphthene

Concen: 0.097 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: BE099540.D

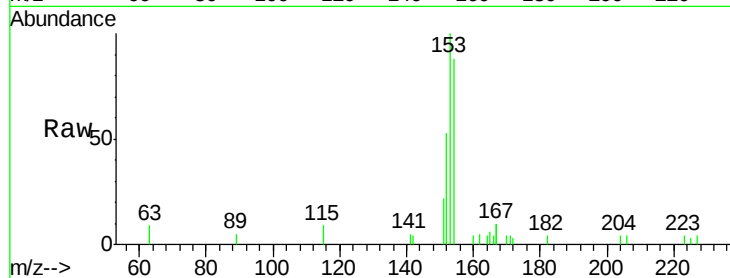
Acq: 3 May 2019 21:18

Instrument :

BNA_E

ClientSampleId :

PST-003-B176-042319



Tgt Ion:154 Resp: 2043

Ion Ratio Lower Upper

154 100

153 117.1 92.6 138.8

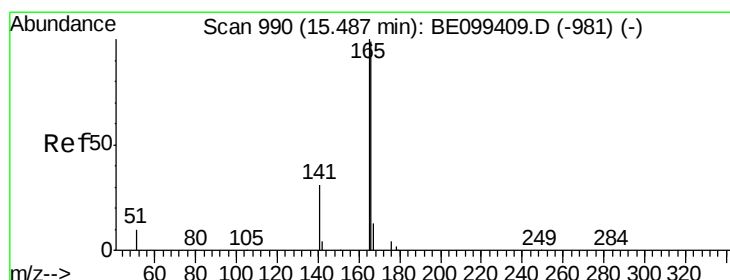
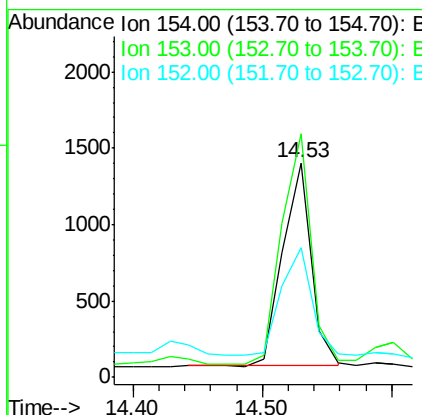
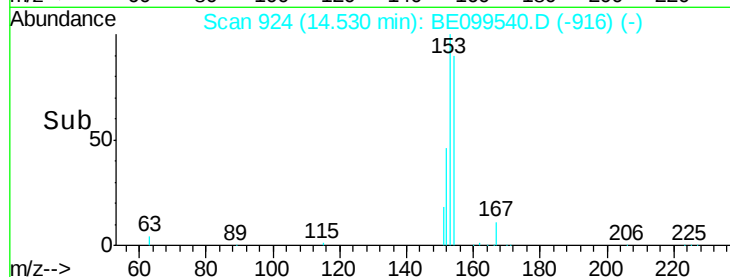
152 57.0 45.8 68.8

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#18

Fluorene

Concen: 0.132 ng

RT: 15.50 min Scan# 991

Delta R.T. 0.01 min

Lab File: BE099540.D

Acq: 3 May 2019 21:18

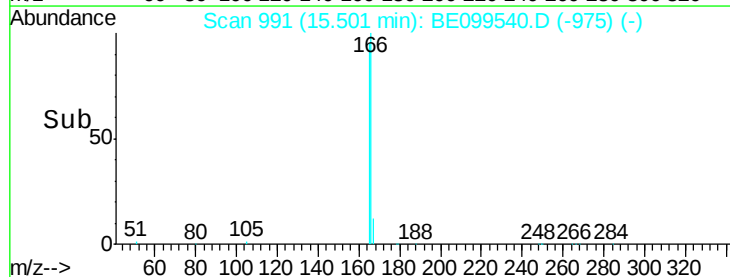
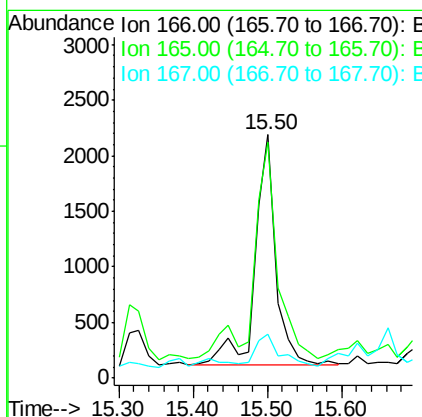
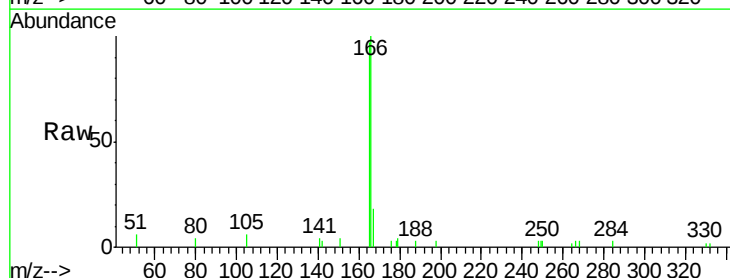
Tgt Ion:166 Resp: 4097

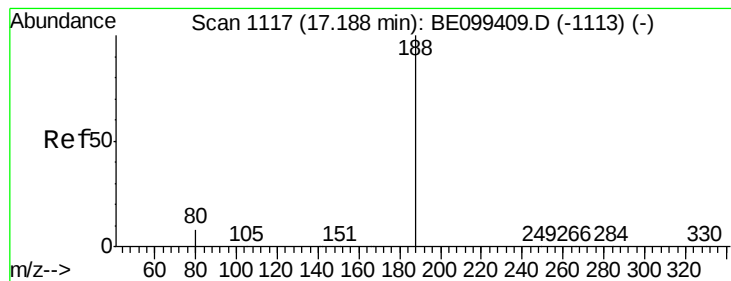
Ion Ratio Lower Upper

166 100

165 105.6 80.3 120.5

167 15.8 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BE099540.D

Acq: 3 May 2019 21:18

Instrument :

BNA_E

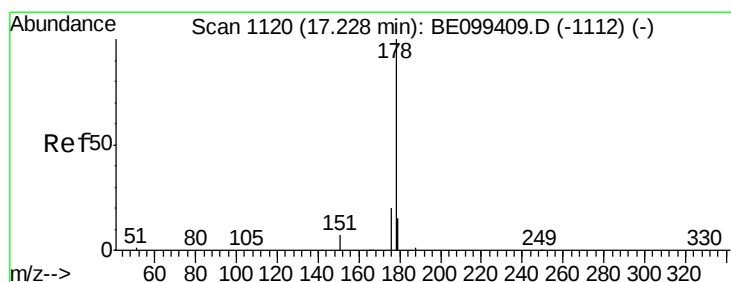
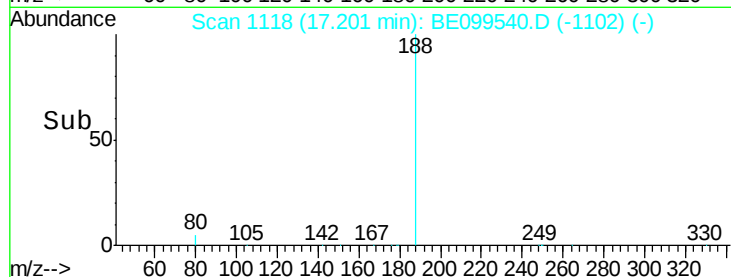
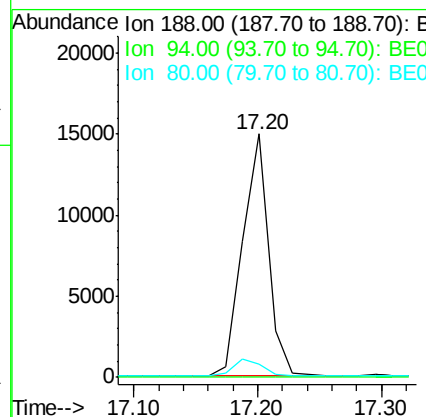
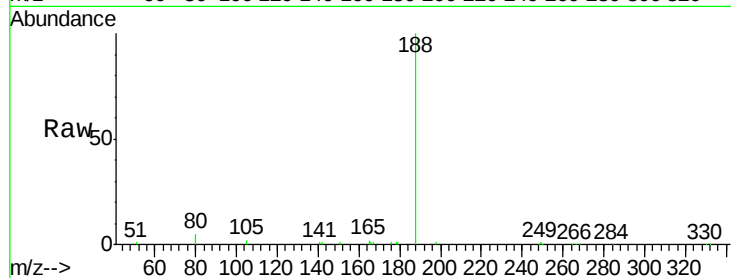
ClientSampleId :

PST-003-B176-042319

Tgt Ion:	188	Resp:	21728
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	5.4	6.7	10.1#

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#23

Phenanthrene

Concen: 1.475 ng

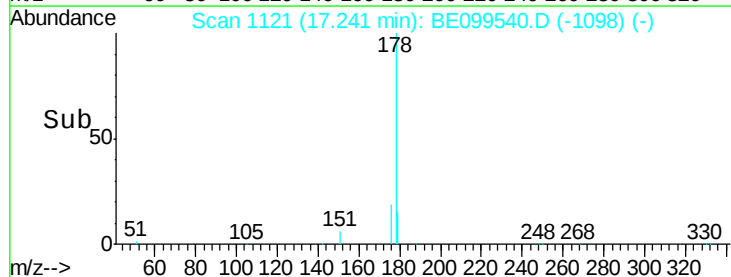
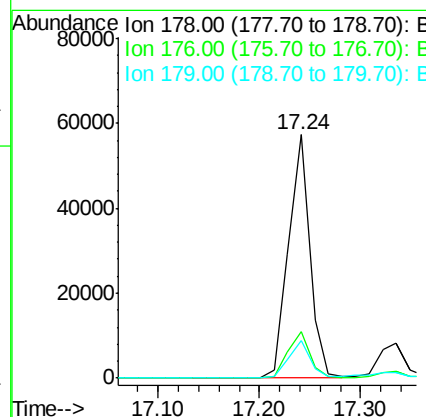
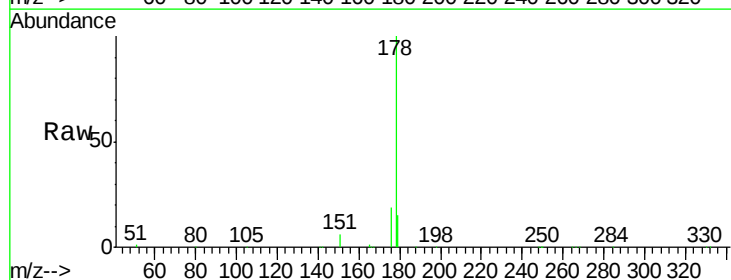
RT: 17.24 min Scan# 1121

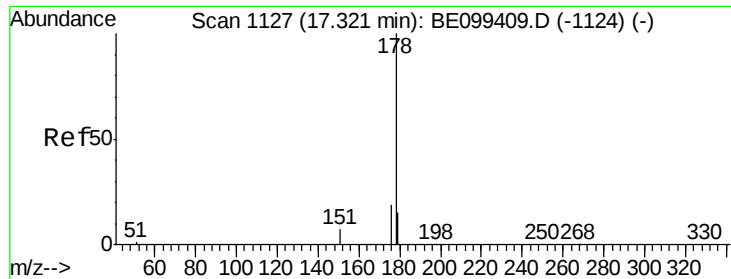
Delta R.T. 0.01 min

Lab File: BE099540.D

Acq: 3 May 2019 21:18

Tgt Ion:	178	Resp:	82673
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.6	23.4
179	15.5	12.0	18.0





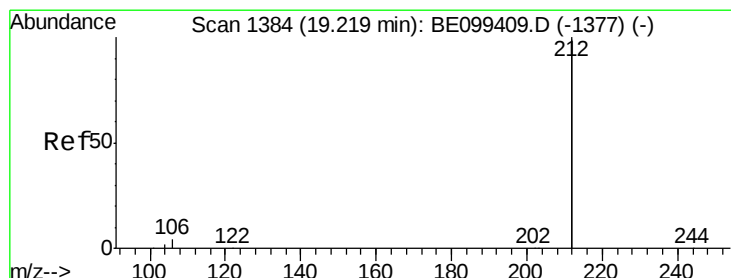
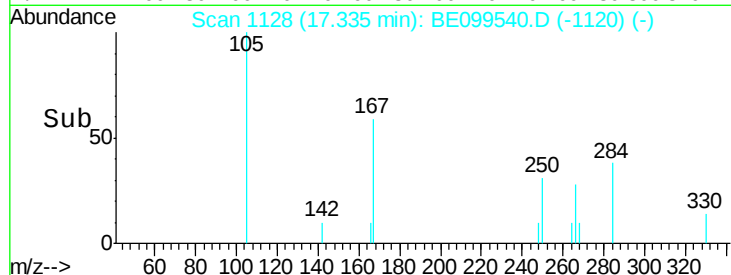
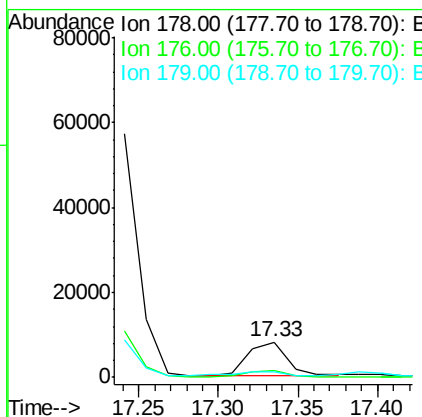
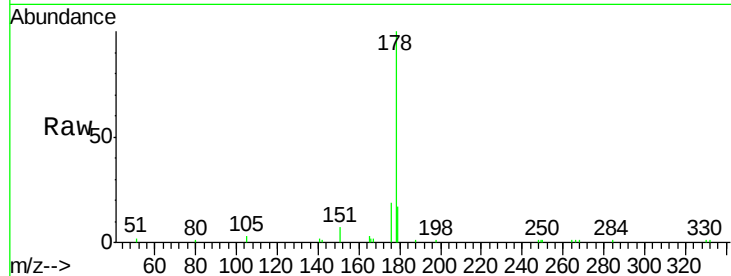
#24
 Anthracene
 Concen: 0.246 ng
 RT: 17.33 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: BE099540.D
 Acq: 3 May 2019 21:18

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B176-042319

Tgt Ion:	178	Resp:	13136
Ion Ratio	Lower	Upper	
178	100		
176	20.0	14.9	22.3
179	16.6	11.9	17.9

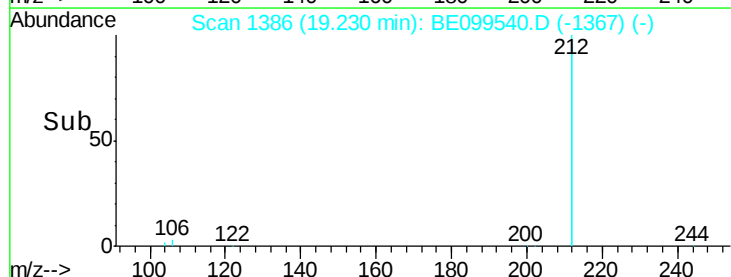
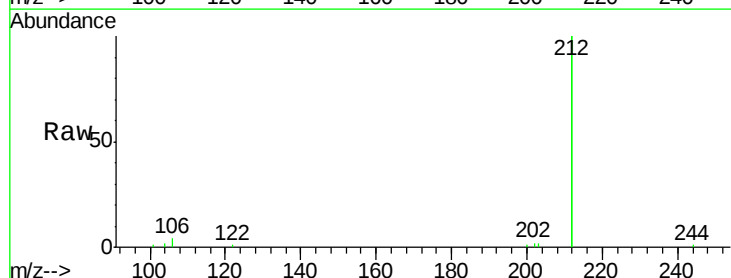
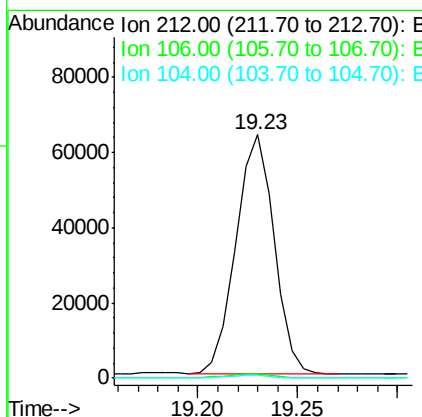
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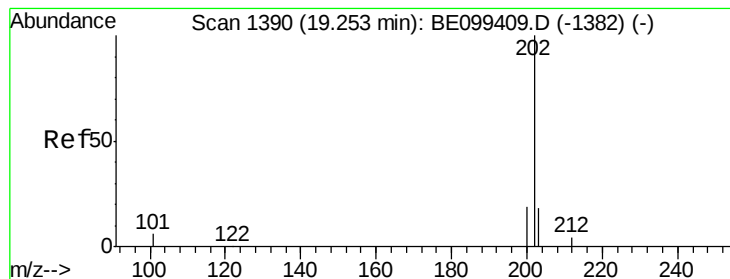
mohammad
 5/7/2019 11:56:49 PM



#25
 Fluoranthene-d10
 Concen: 0.289 ng
 RT: 19.23 min Scan# 1386
 Delta R.T. 0.01 min
 Lab File: BE099540.D
 Acq: 3 May 2019 21:18

Tgt Ion:	212	Resp:	84523
Ion Ratio	Lower	Upper	
212	100		
106	1.7	1.5	2.3
104	1.0	0.9	1.3





#26

Fluoranthene

Concen: 1.708 ng

RT: 19.26 min Scan# 1391

Delta R.T. 0.01 min

Lab File: BE099540.D

Acq: 3 May 2019 21:18

Instrument :

BNA_E

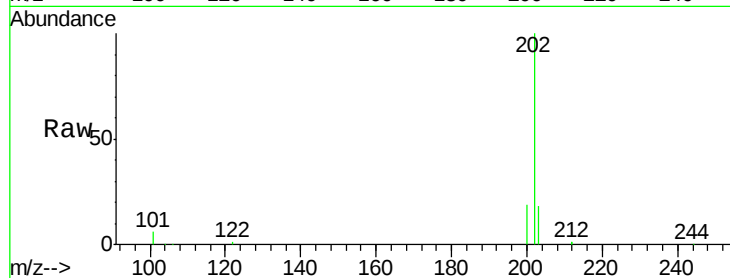
ClientSampleId :

PST-003-B176-042319

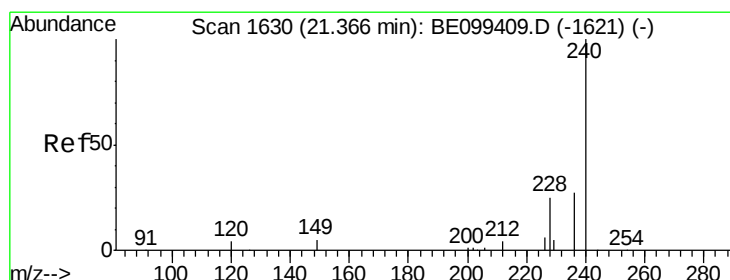
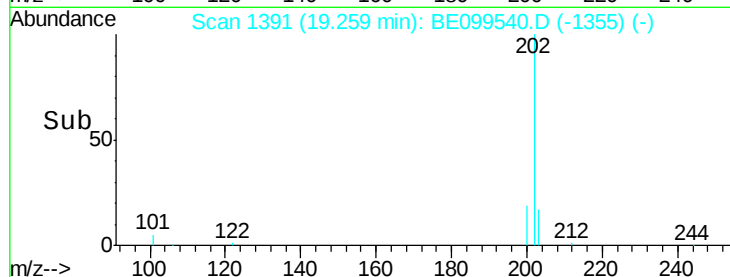
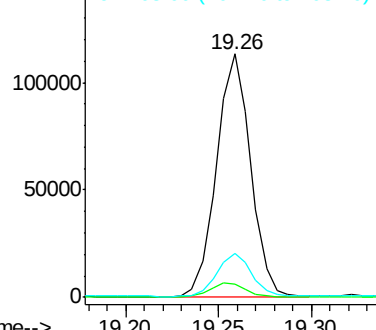
Tgt	Ion	202	Resp:	143478
Ion	Ratio	Lower	Upper	
202	100			
101	6.1	5.4	8.0	
203	17.7	13.9	20.9	

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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.38 min Scan# 1631

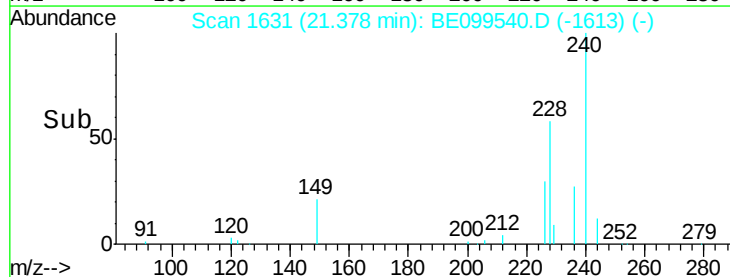
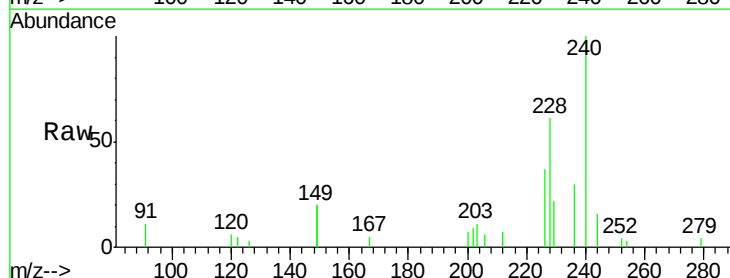
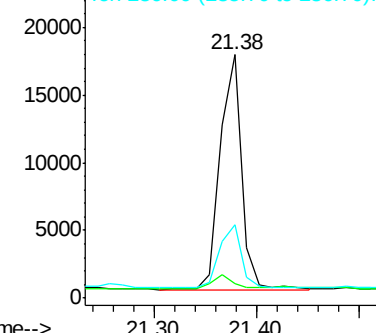
Delta R.T. 0.01 min

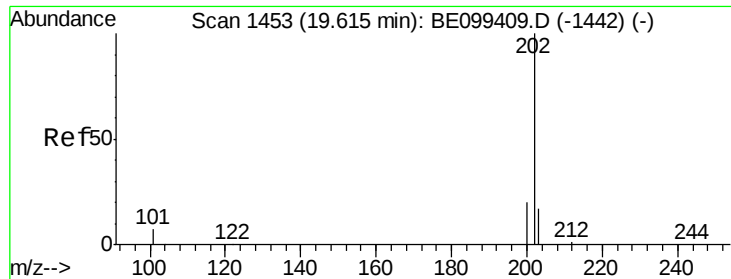
Lab File: BE099540.D

Acq: 3 May 2019 21:18

Tgt	Ion	240	Resp:	25185
Ion	Ratio	Lower	Upper	
240	100			
120	6.0	4.0	6.0#	
236	30.0	22.0	33.0	

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





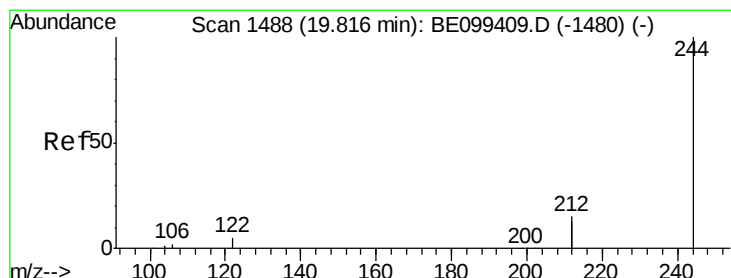
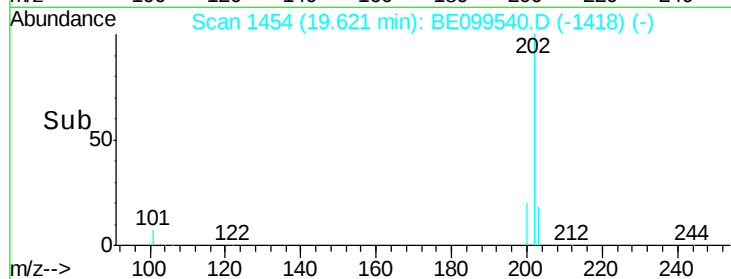
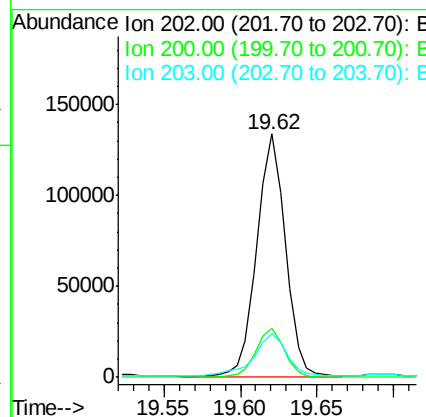
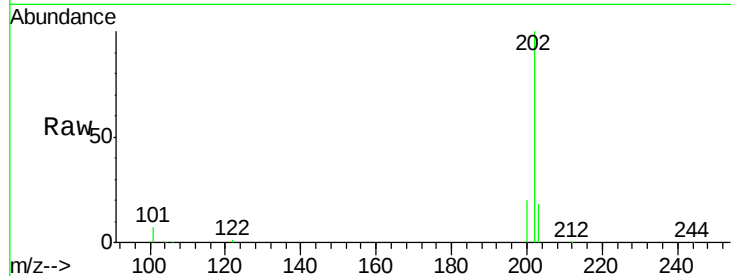
#28
 Pyrene
 Concen: 2.616 ng
 RT: 19.62 min Scan# 1454
 Delta R.T. 0.01 min
 Lab File: BE099540.D
 Acq: 3 May 2019 21:18

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B176-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.0	15.7	23.5
203	20.6	13.9	20.9

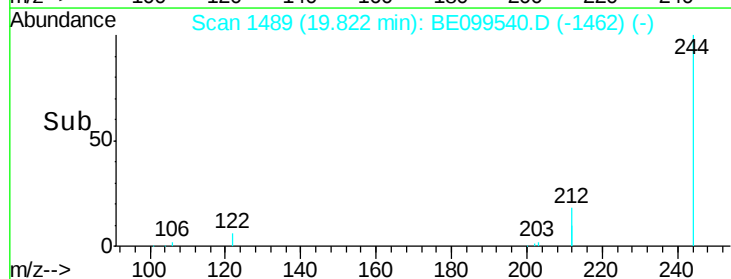
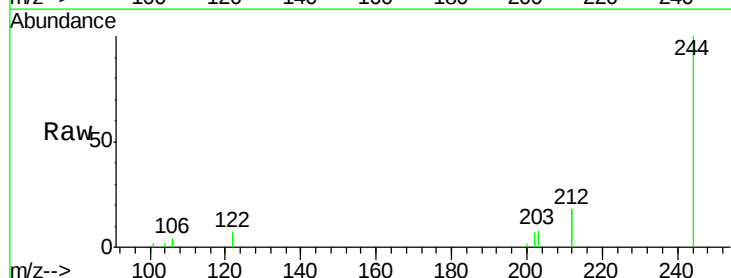
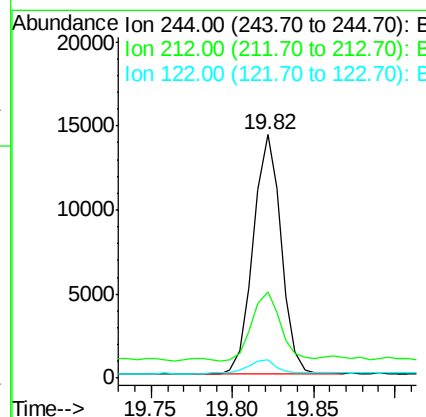
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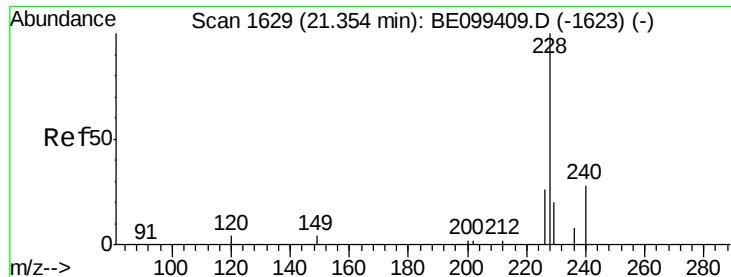
mohammad
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#29
 Terphenyl-d14
 Concen: 0.369 ng
 RT: 19.82 min Scan# 1489
 Delta R.T. 0.01 min
 Lab File: BE099540.D
 Acq: 3 May 2019 21:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	35.4	23.2	34.8#
122	7.3	4.2	6.4#





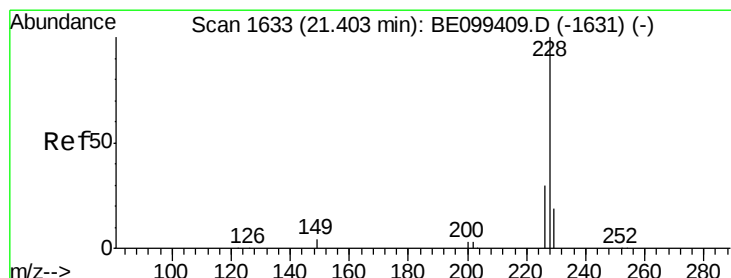
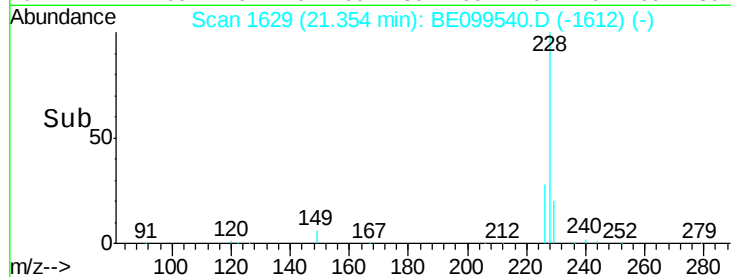
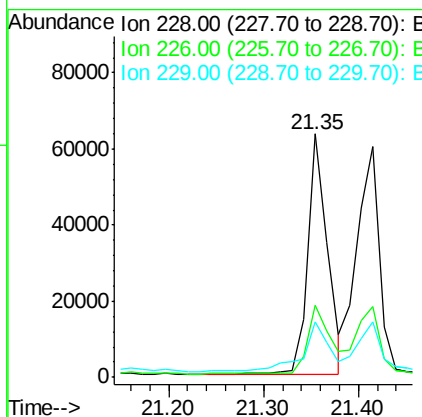
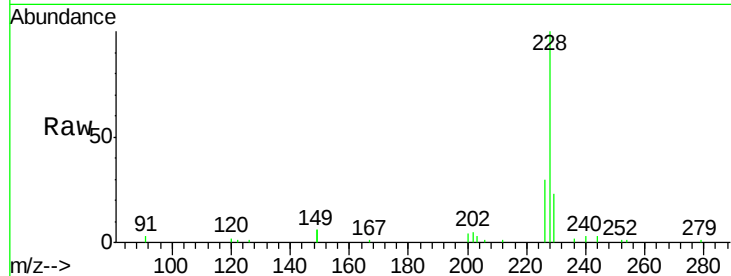
#30
Benzo(a)anthracene
Concen: 1.130 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099540.D
Acq: 3 May 2019 21:18

Instrument :
BNA_E
ClientSampleId :
PST-003-B176-042319

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.0	31.6
229	22.7	16.6	25.0

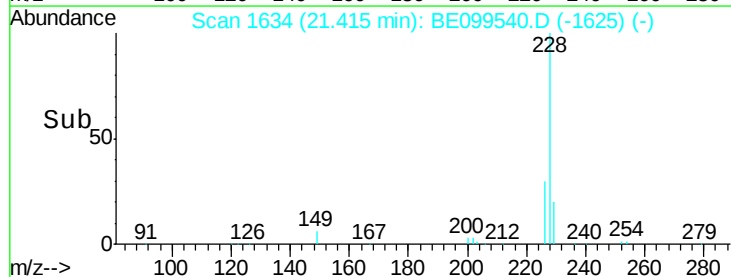
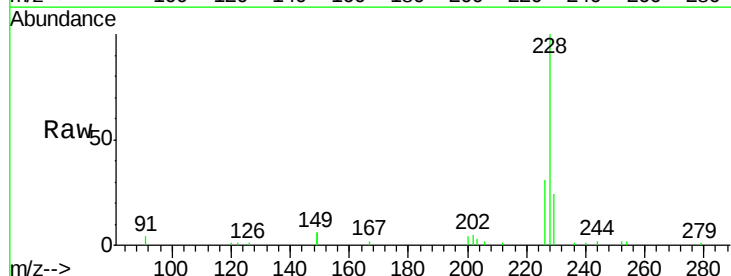
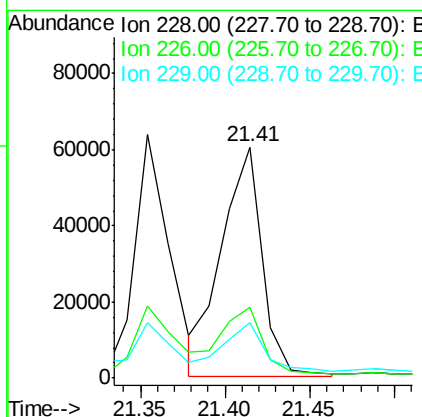
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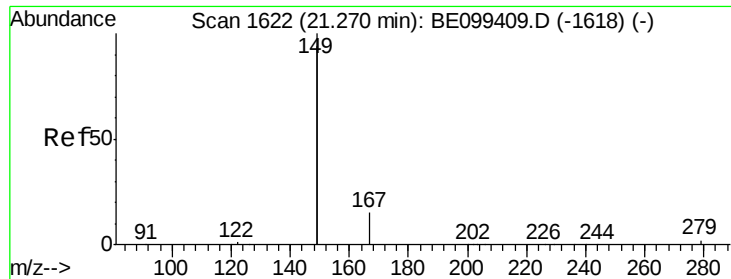
mohammad
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#31
Chrysene
Concen: 1.278 ng m
RT: 21.41 min Scan# 1634
Delta R.T. 0.01 min
Lab File: BE099540.D
Acq: 3 May 2019 21:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.0	36.0
229	23.8	15.8	23.8





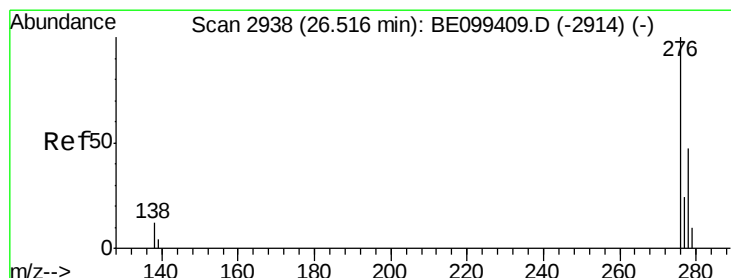
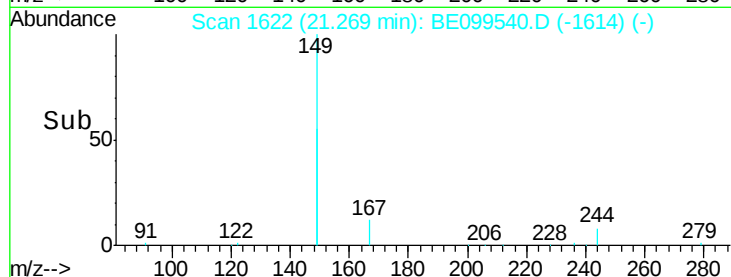
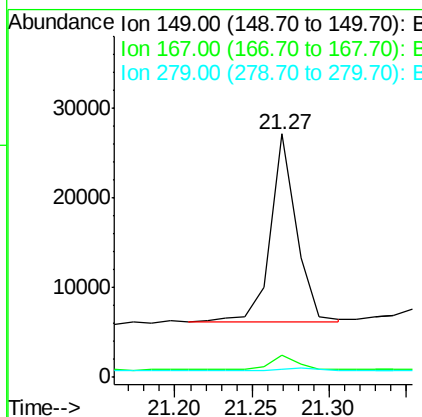
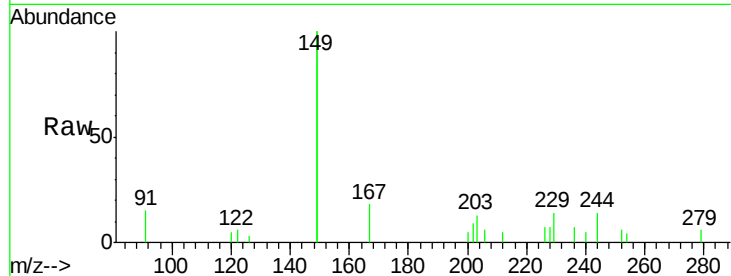
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.142 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE099540.D
 Acq: 3 May 2019 21:18

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B176-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	7.4	5.8	8.6
279	1.7	1.0	1.6#

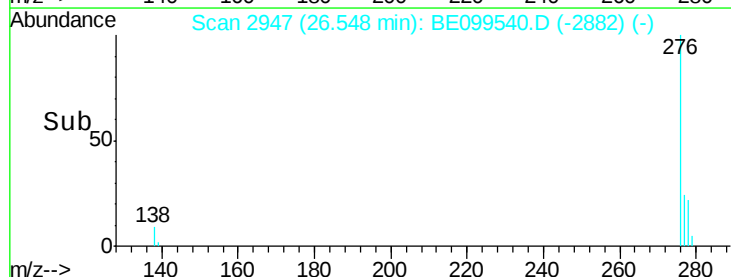
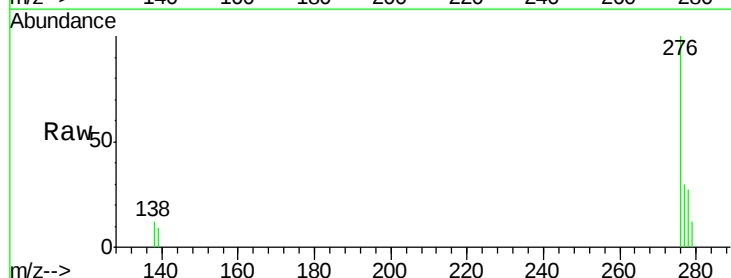
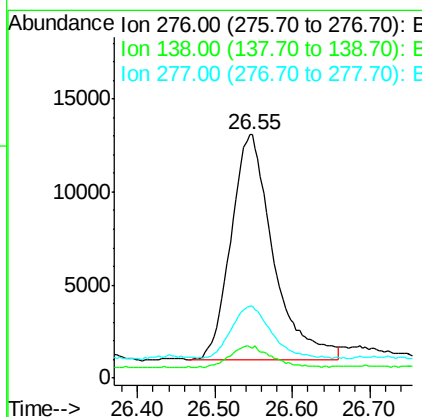
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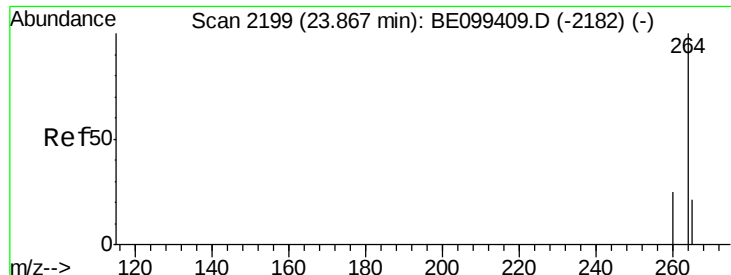
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.497 ng
 RT: 26.55 min Scan# 2947
 Delta R.T. 0.03 min
 Lab File: BE099540.D
 Acq: 3 May 2019 21:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	8.9	10.2	15.2#
277	21.9	19.2	28.8





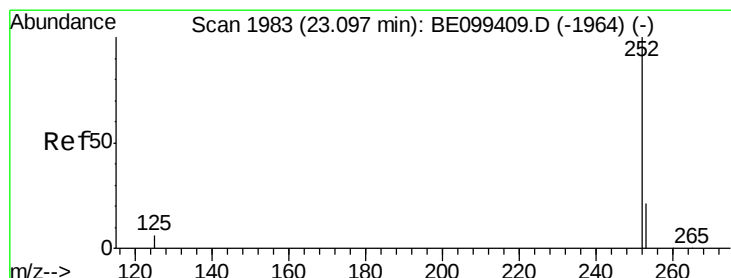
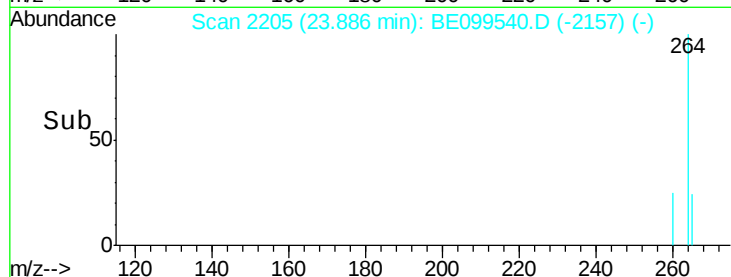
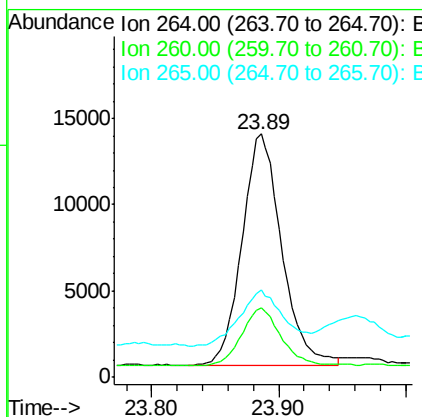
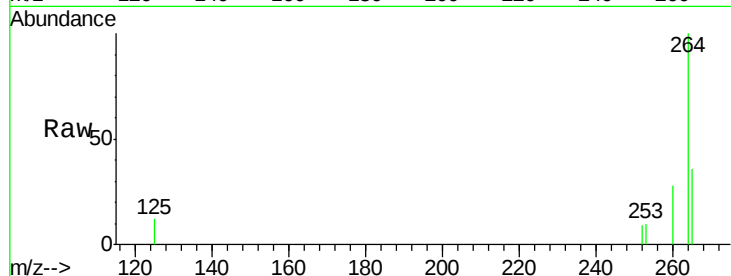
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2205
 Delta R.T. 0.02 min
 Lab File: BE099540.D
 Acq: 3 May 2019 21:18

Instrument :
 BNA_E
 ClientSampleId :
 PST-003-B176-042319

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	29434		
260	28.5	20.2	30.2	
265	35.7	21.3	31.9	

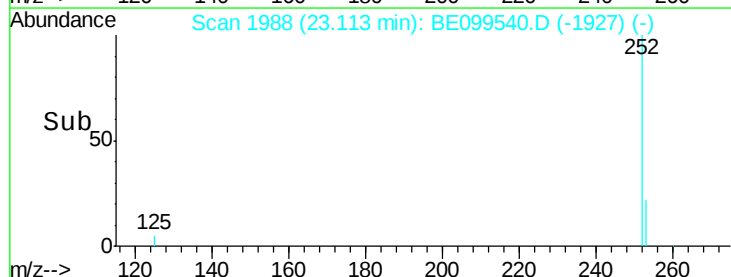
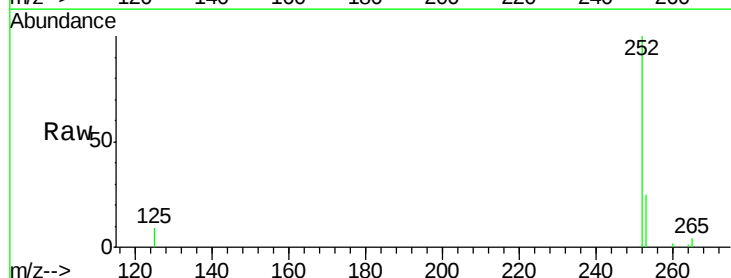
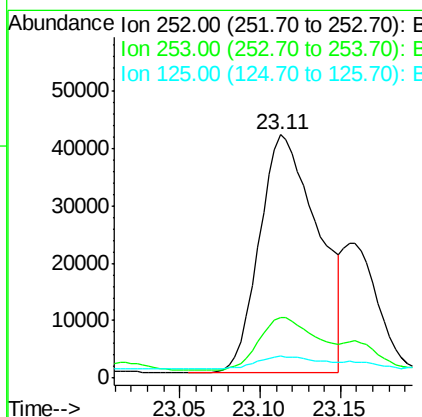
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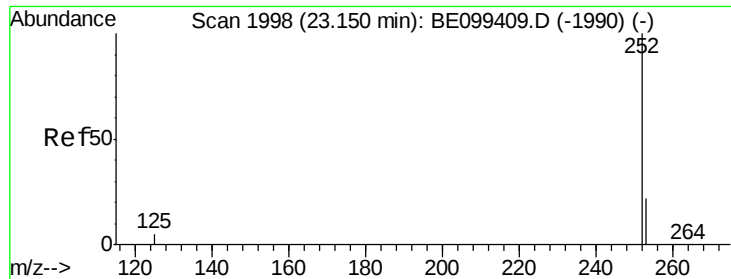
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 1.233 ng
 RT: 23.11 min Scan# 1988
 Delta R.T. 0.02 min
 Lab File: BE099540.D
 Acq: 3 May 2019 21:18

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	104690		
253	25.0	18.1	27.1	
125	8.9	5.6	8.4	





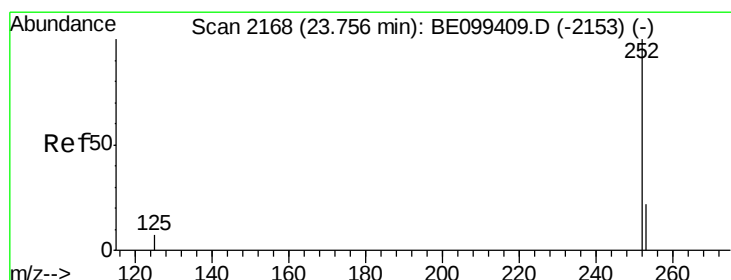
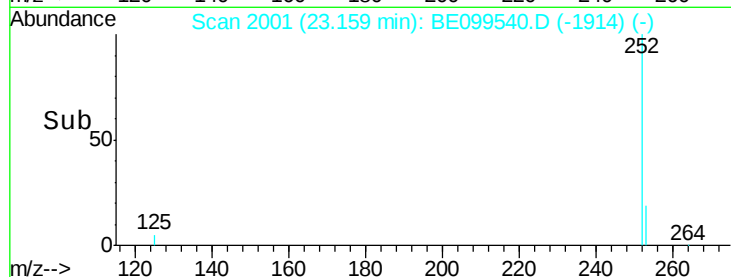
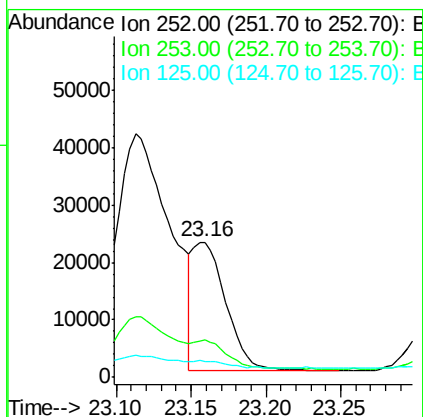
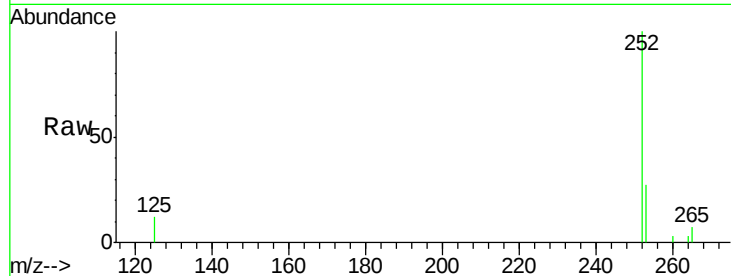
#36
Benzo(k)fluoranthene
Concen: 0.421 ng m
RT: 23.16 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BE099540.D
Acq: 3 May 2019 21:18

Instrument :
BNA_E
ClientSampleId :
PST-003-B176-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.4	27.6
125	11.8	5.0	7.4

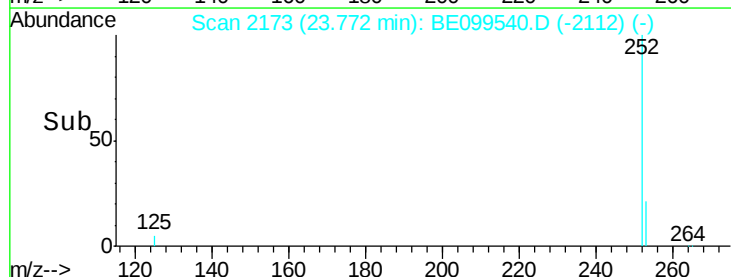
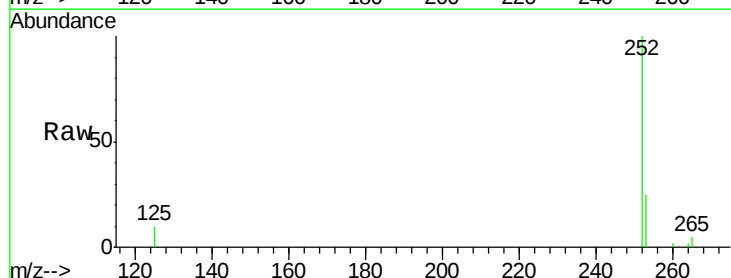
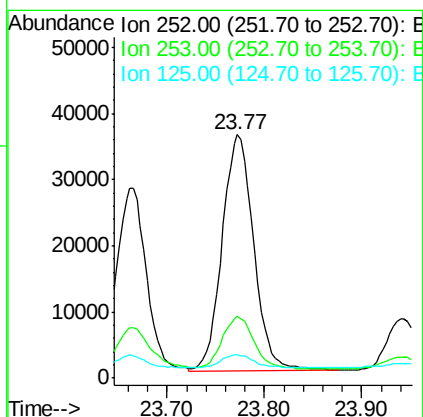
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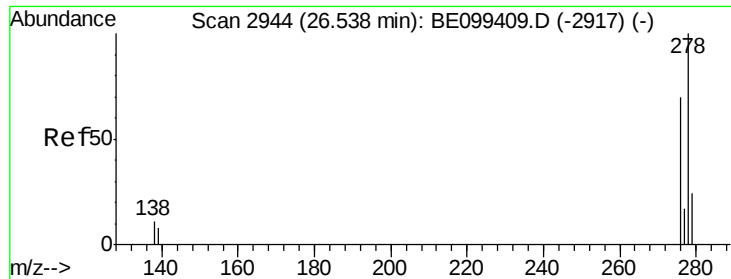
mohammad
5/7/2019 11:56:49 PM



#37
Benzo(a)pyrene
Concen: 0.999 ng
RT: 23.77 min Scan# 2173
Delta R.T. 0.02 min
Lab File: BE099540.D
Acq: 3 May 2019 21:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.9	28.3
125	9.7	6.7	10.1





#38

Dibenzo(a,h)anthracene

Concen: 0.140 ng

RT: 26.56 min Scan# 2949

Delta R.T. 0.02 min

Lab File: BE099540.D

Acq: 3 May 2019 21:18

Instrument :

BNA_E

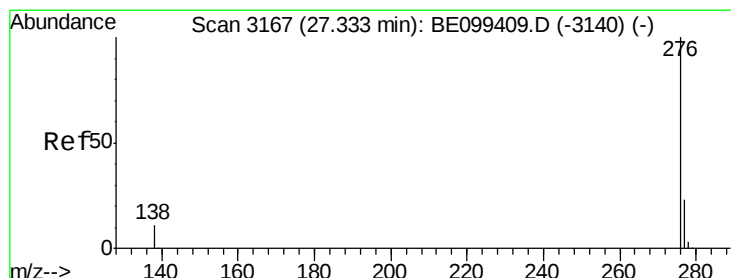
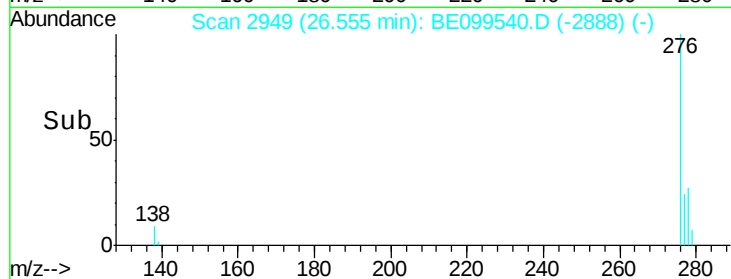
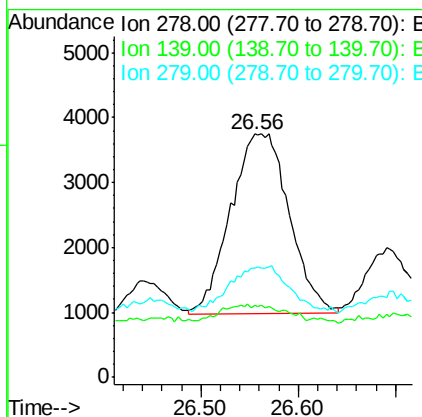
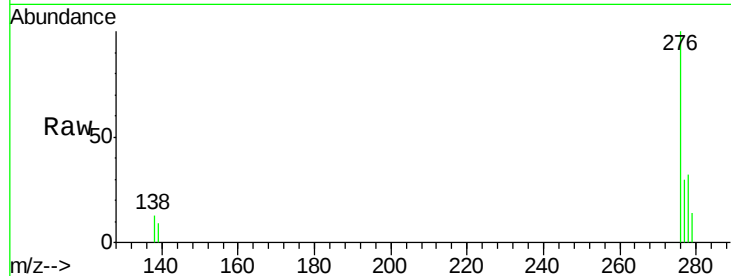
ClientSampleId :

PST-003-B176-042319

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.6	7.7	11.5#
279	45.0	20.2	30.2#

Manual Integrations
APPROVED

mohammad
5/7/2019 11:56:49 PM



#39

Benzo(g,h,i)perylene

Concen: 0.565 ng

RT: 27.37 min Scan# 3177

Delta R.T. 0.04 min

Lab File: BE099540.D

Acq: 3 May 2019 21:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.8	19.5	29.3#
138	13.0	9.6	14.4

