

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
 Data File : BE099536.D
 Acq On : 3 May 2019 18:54
 Operator : JU/SJ
 Sample : K2588-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B016-042519

Manual Integrations
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mohammad
 5/7/2019 11:57:04 PM

Quant Time: May 04 01:54:24 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	2635	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	10205	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	8046	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	22075	0.40	ng	0.01
27) Chrysene-d12	21.38	240	26097	0.40	ng	0.01
34) Perylene-d12	23.88	264	31084	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.38	112	2484	0.34	ng	0.00
5) Phenol-d6	6.97	99	3651	0.38	ng	0.00
8) Nitrobenzene-d5	8.97	82	3127	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	5733	0.31	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	1842	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	8912	0.29	ng	0.00
25) Fluoranthene-d10	19.23	212	81285	0.27	ng	0.01
29) Terphenyl-d14	19.82	244	16697	0.35	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	2514	0.023	ng	# 91
12) 2-Methylnaphthalene	12.28	142	435	0.022	ng	# 85
17) Acenaphthene	14.53	154	1084	0.048	ng	92
18) Fluorene	15.50	166	1610	0.049	ng	92
23) Phenanthrene	17.24	178	41652	0.731	ng	99
24) Anthracene	17.33	178	2306	0.042	ng	# 78
26) Fluoranthene	19.26	202	56756	0.665	ng	99
28) Pyrene	19.62	202	49868	0.733	ng	96
30) Benzo(a)anthracene	21.35	228	23357	0.281	ng	# 80
31) Chrysene	21.41	228	28338	0.348	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.27	149	11255	0.024	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.55	276	17159	0.178	ng	# 97
35) Benzo(b)fluoranthene	23.11	252	36456	0.407	ng	# 56
36) Benzo(k)fluoranthene	23.16	252	12054m	0.139	ng	
37) Benzo(a)pyrene	23.77	252	22512	0.266	ng	# 55
38) Dibenzo(a,h)anthracene	26.56	278	6756	0.078	ng	# 1
39) Benzo(g,h,i)perylene	27.37	276	22445	0.258	ng	# 66

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

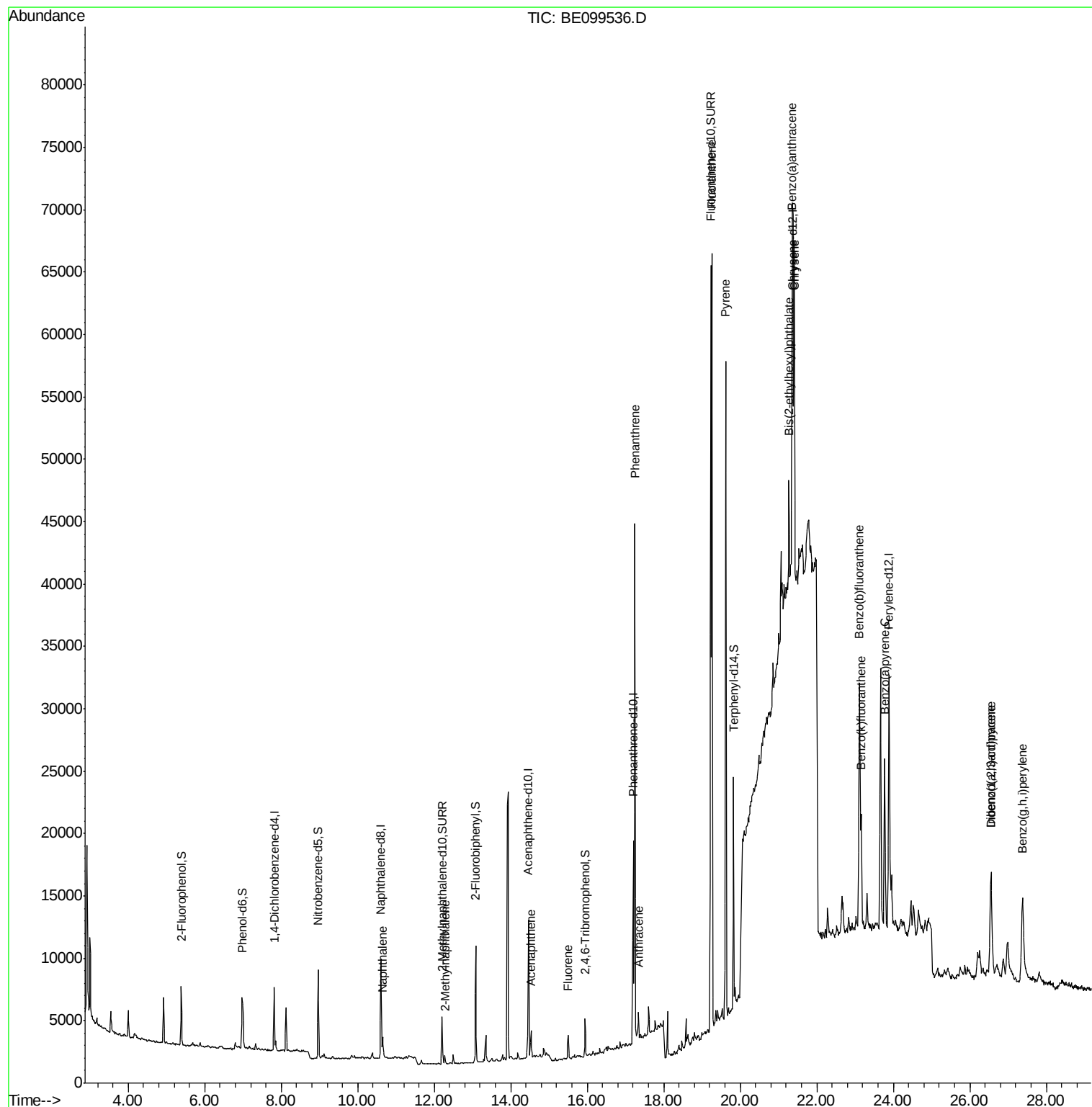
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
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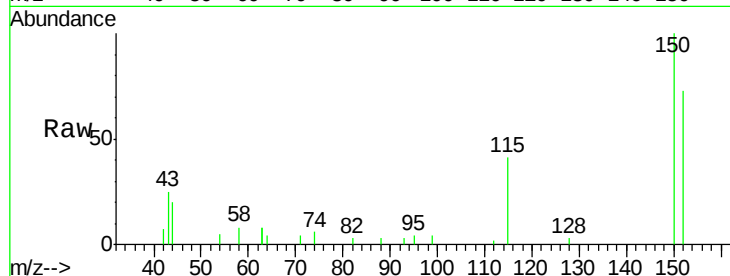




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

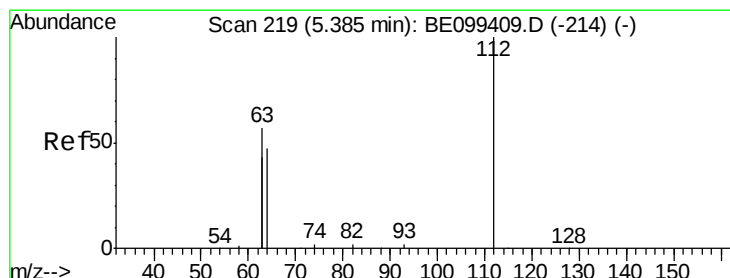
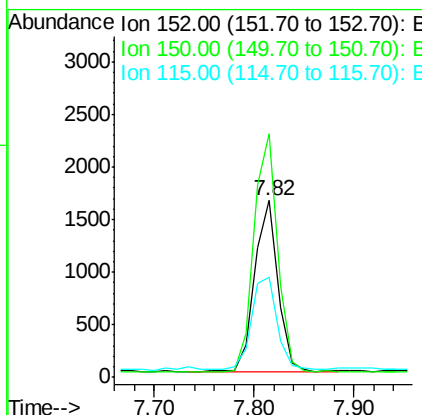
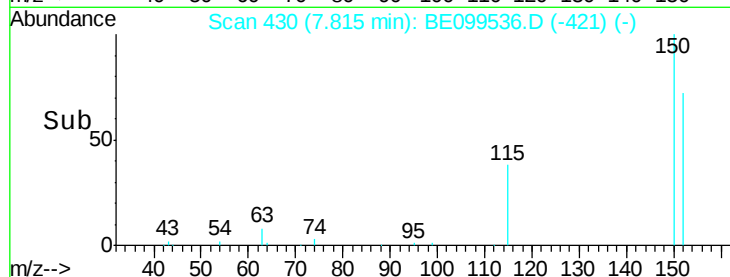
Instrument :
BNA_E
ClientSampleId :
PST-001-B016-042519



Tgt Ion:152 Resp: 2635
Ion Ratio Lower Upper
152 100
150 137.6 104.8 157.2
115 56.5 46.6 69.8

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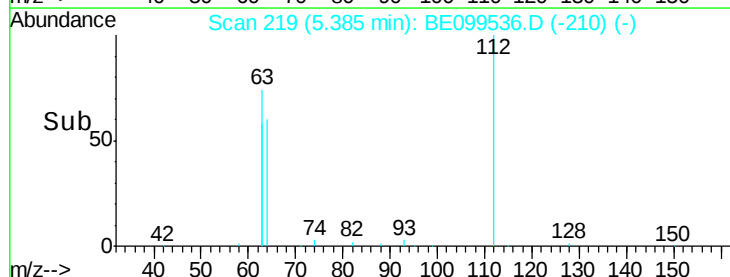
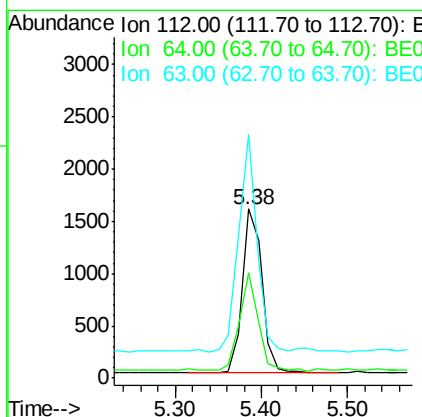
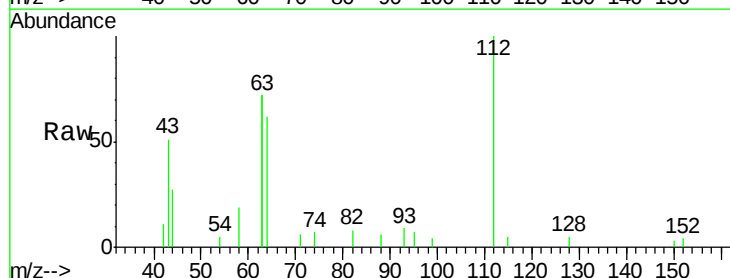
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#4

2-Fluorophenol
Concen: 0.341 ng
RT: 5.38 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

Tgt Ion:112 Resp: 2484
Ion Ratio Lower Upper
112 100
64 55.9 47.4 71.0
63 121.5 104.3 156.5





#5

Phenol-d6

Concen: 0.377 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099536.D

Acq: 3 May 2019 18:54

Instrument :

BNA_E

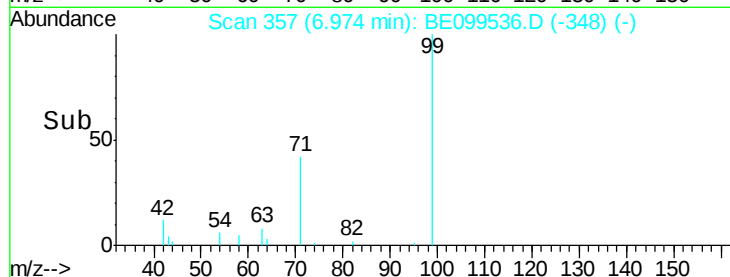
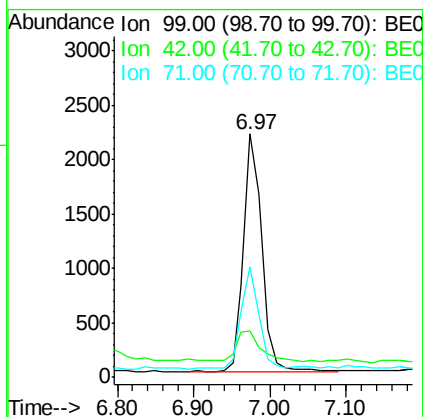
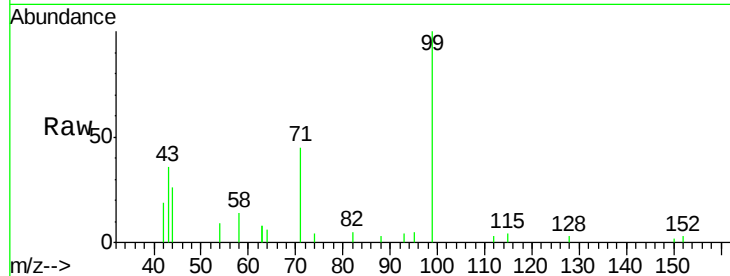
ClientSampleId :

PST-001-B016-042519

Tgt Ion:	99	Resp:	3651
Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.9	22.3
71	42.5	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

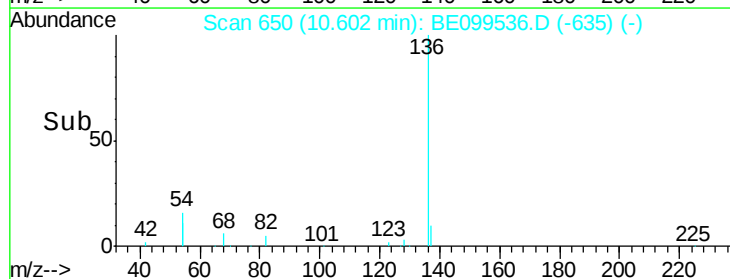
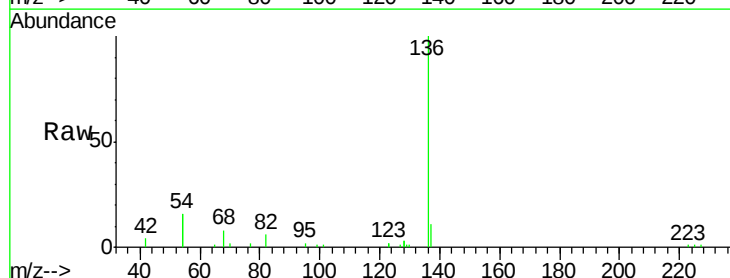
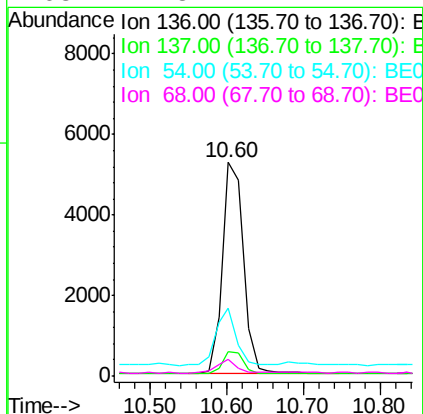
RT: 10.60 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099536.D

Acq: 3 May 2019 18:54

Tgt Ion:	136	Resp:	10205
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.8	14.8
54	32.1	18.5	27.7#
68	7.8	4.7	7.1#





#8

Nitrobenzene-d5

Concen: 0.327 ng

RT: 8.97 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099536.D

Acq: 3 May 2019 18:54

Instrument :

BNA_E

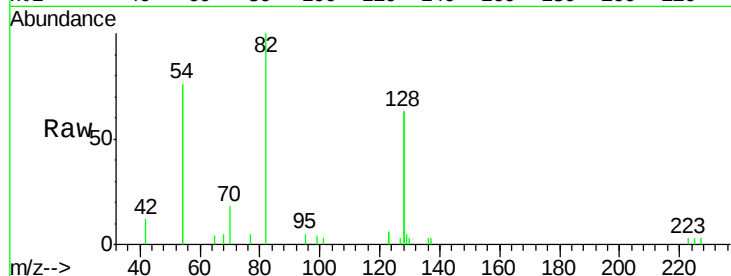
ClientSampleId :

PST-001-B016-042519

Tgt Ion:	82	Resp:	3127
Ion Ratio	Lower	Upper	
82	100		
128	126.5	107.0	160.4
54	152.9	113.1	169.7

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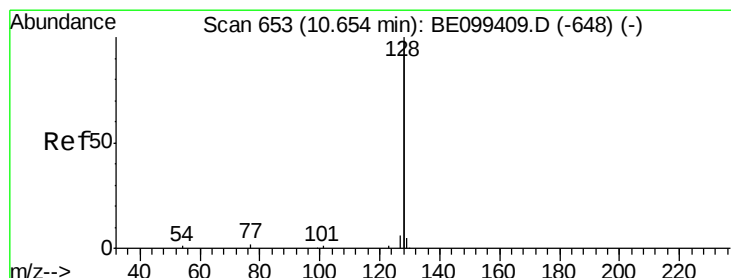
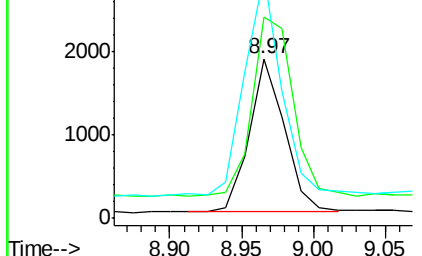
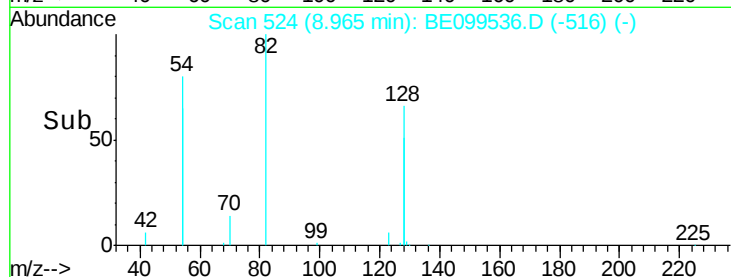


Abundance Ion 82.00 (81.70 to 82.70): BE099536.D (-516) (-)

Ion 128.00 (127.70 to 128.70): BE099536.D (-516) (-)

Ion 54.00 (53.70 to 54.70): BE099536.D (-516) (-)

Time-->



#9

Naphthalene

Concen: 0.023 ng

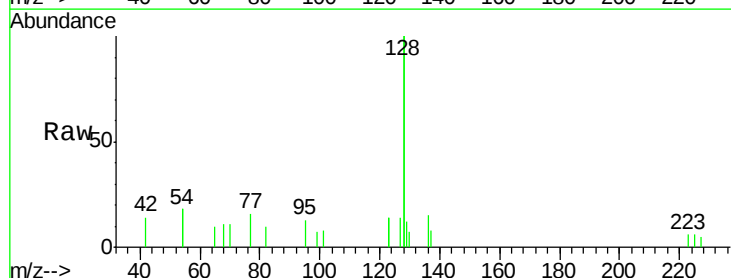
RT: 10.65 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099536.D

Acq: 3 May 2019 18:54

Tgt Ion:	128	Resp:	2514
Ion Ratio	Lower	Upper	
128	100		
129	5.8	2.4	3.6#
127	6.8	2.8	4.2#

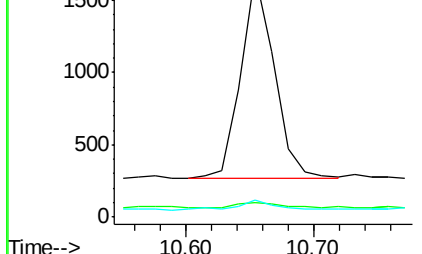
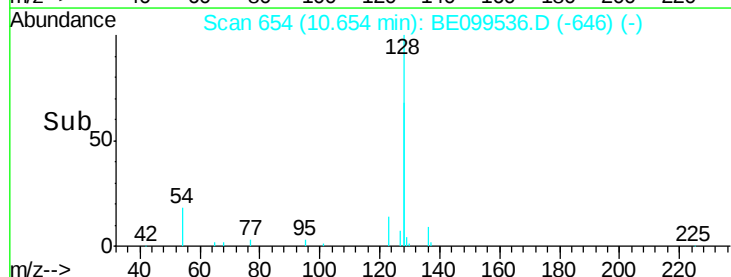


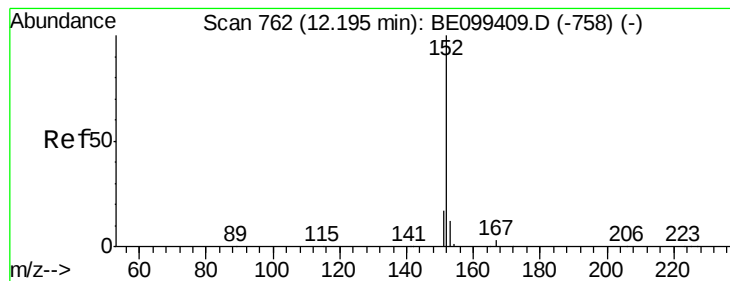
Abundance Ion 128.00 (127.70 to 128.70): BE099536.D (-646) (-)

Ion 129.00 (128.70 to 129.70): BE099536.D (-646) (-)

Ion 127.00 (126.70 to 127.70): BE099536.D (-646) (-)

Time-->





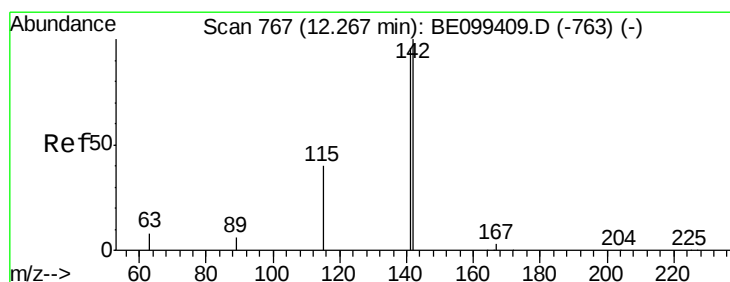
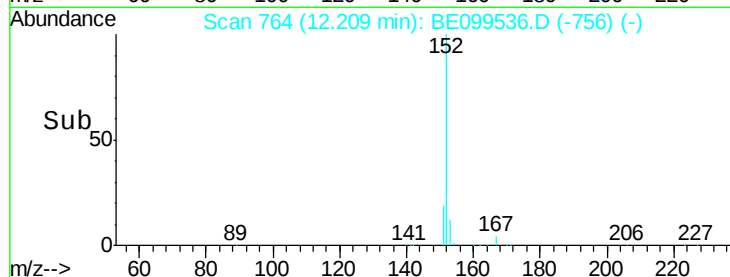
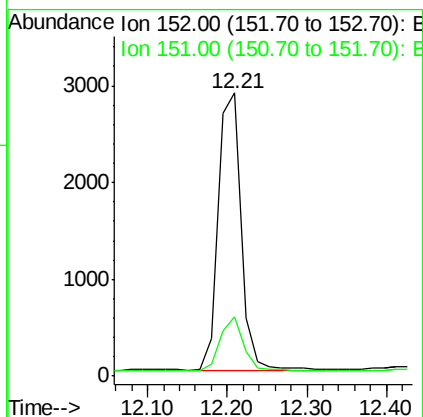
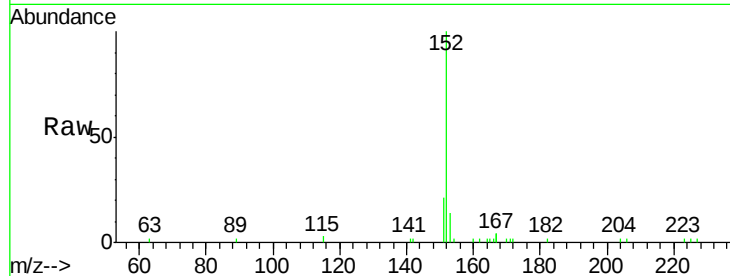
#11
 2-Methylnaphthalene-d10
 Concen: 0.312 ng
 RT: 12.21 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: BE099536.D
 Acq: 3 May 2019 18:54

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B016-042519

Tgt Ion:152 Resp: 5733
 Ion Ratio Lower Upper
 152 100
 151 19.1 15.5 23.3

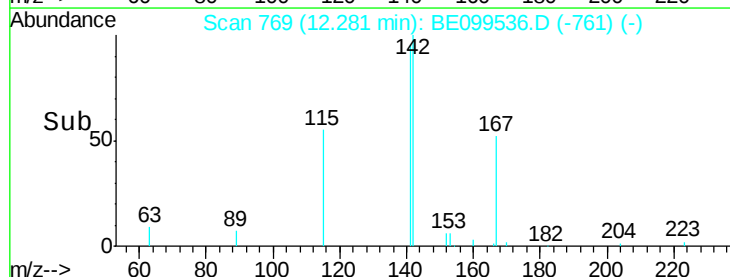
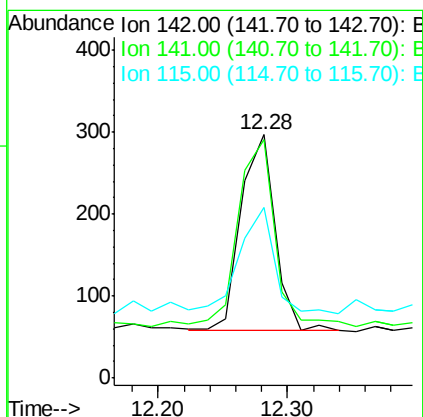
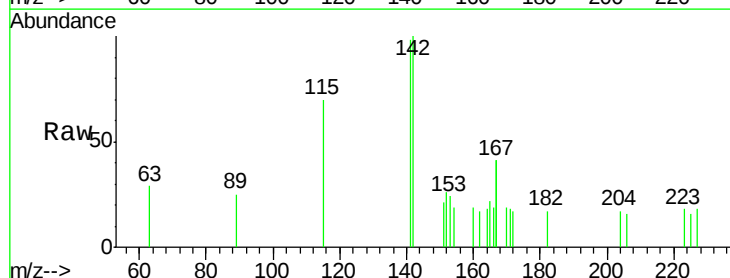
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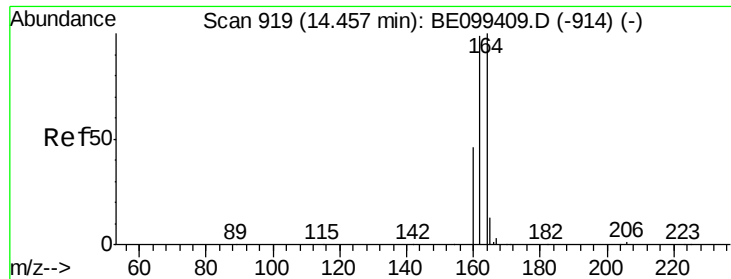
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#12
 2-Methylnaphthalene
 Concen: 0.022 ng
 RT: 12.28 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: BE099536.D
 Acq: 3 May 2019 18:54

Tgt Ion:142 Resp: 435
 Ion Ratio Lower Upper
 142 100
 141 98.0 77.0 115.4
 115 70.0 33.4 50.0#





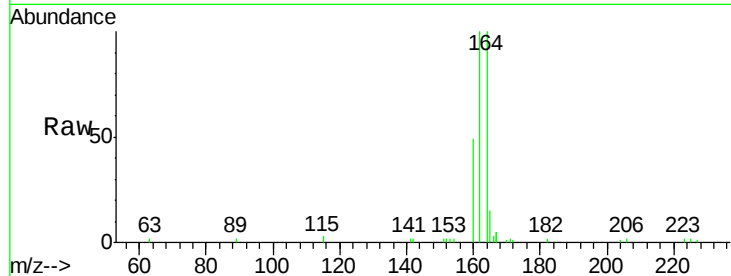
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

Instrument :
BNA_E
ClientSampleId :
PST-001-B016-042519

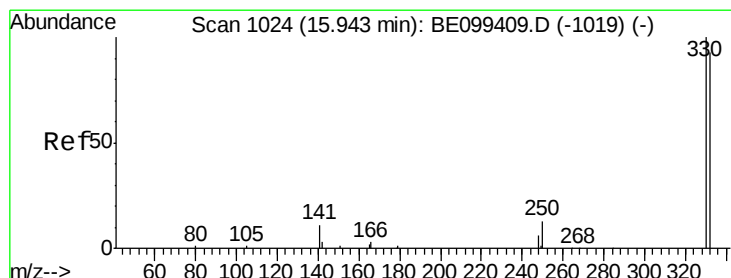
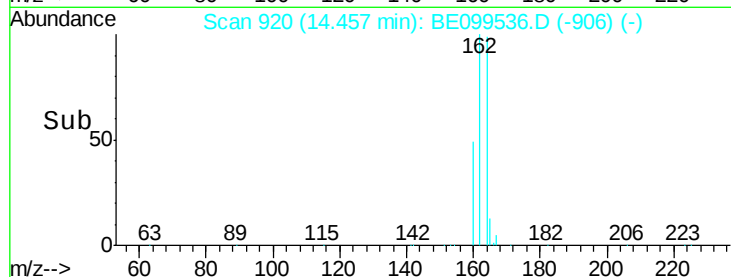
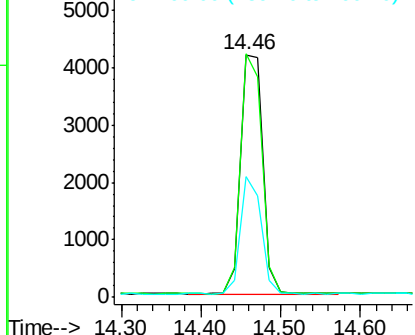
Tgt Ion:164 Resp: 8046
Ion Ratio Lower Upper
164 100
162 100.5 79.0 118.4
160 49.6 37.0 55.4

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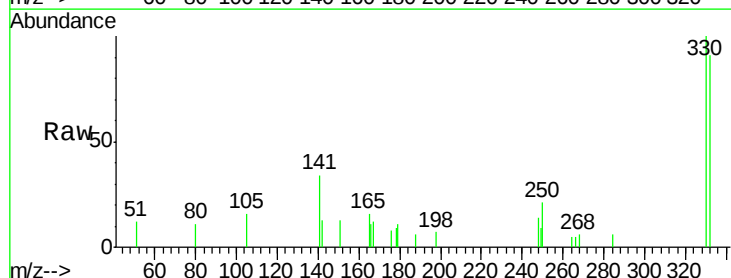


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

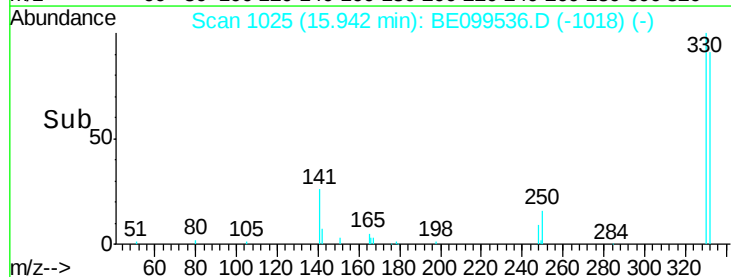
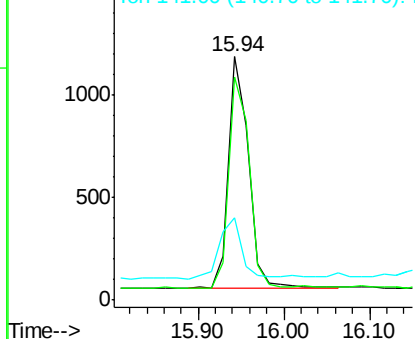


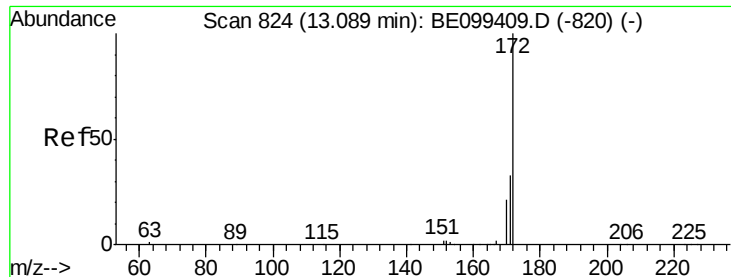
#14
2,4,6-Tribromophenol
Concen: 0.363 ng
RT: 15.94 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

Tgt Ion:330 Resp: 1842
Ion Ratio Lower Upper
330 100
332 92.0 71.5 107.3
141 29.1 24.0 36.0



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





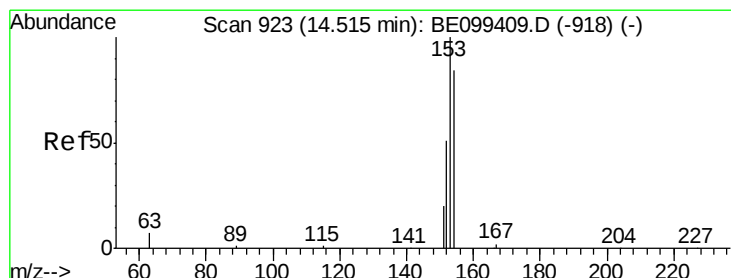
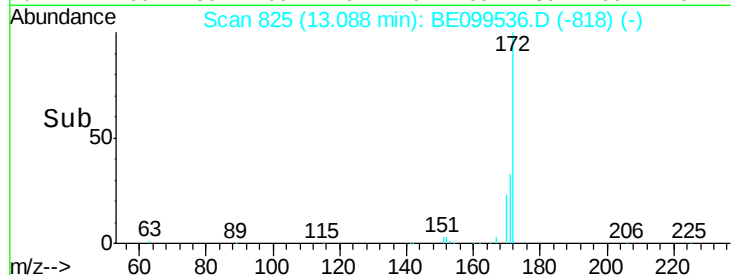
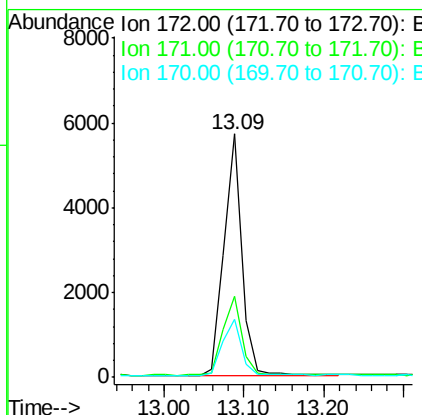
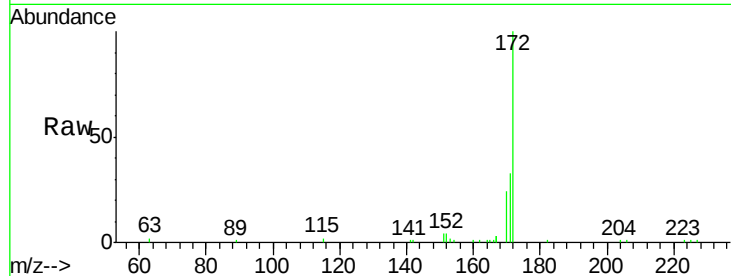
#15
2-Fluorobiphenyl
Concen: 0.290 ng
RT: 13.09 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

Instrument :
BNA_E
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PST-001-B016-042519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.4	26.6	39.8
170	23.6	17.0	25.6

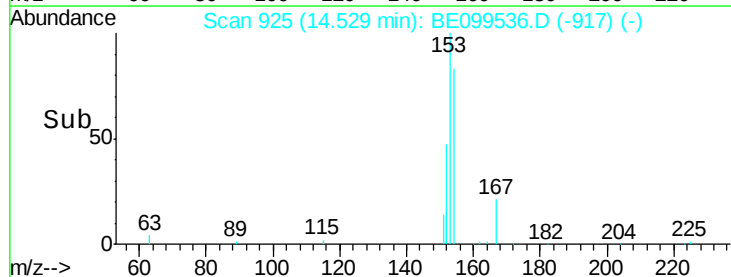
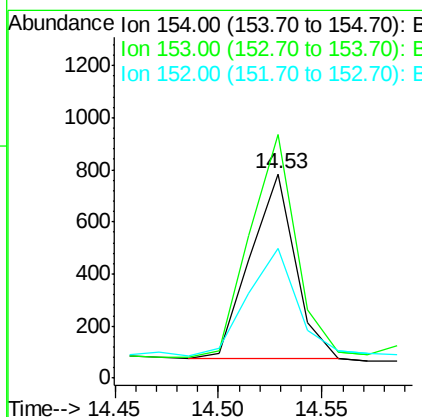
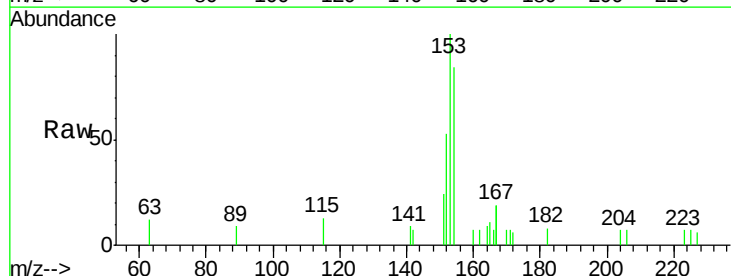
Manual Integrations
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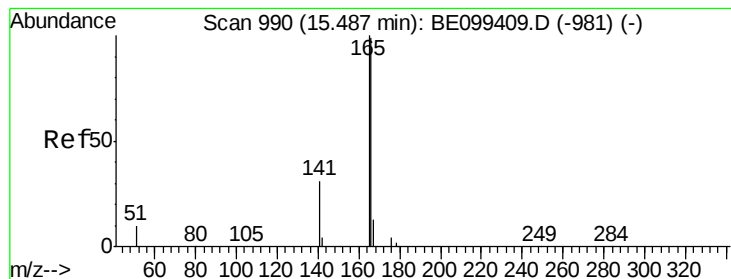
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#17
Acenaphthene
Concen: 0.048 ng
RT: 14.53 min Scan# 925
Delta R.T. 0.01 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

Tgt Ion	Ratio	Lower	Upper
154	100		
153	123.6	92.6	138.8
152	63.2	45.8	68.8





#18

Fluorene

Concen: 0.049 ng

RT: 15.50 min Scan# 992

Delta R.T. 0.01 min

Lab File: BE099536.D

Acq: 3 May 2019 18:54

Instrument :

BNA_E

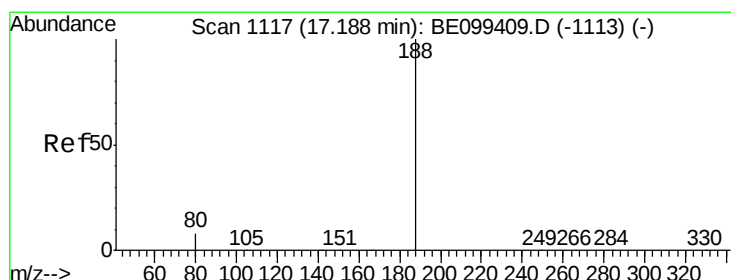
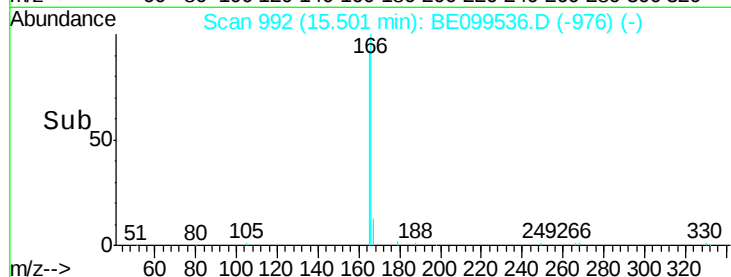
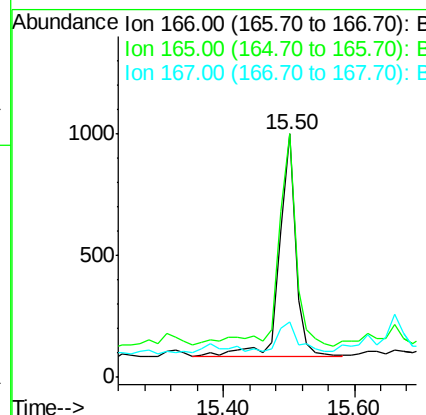
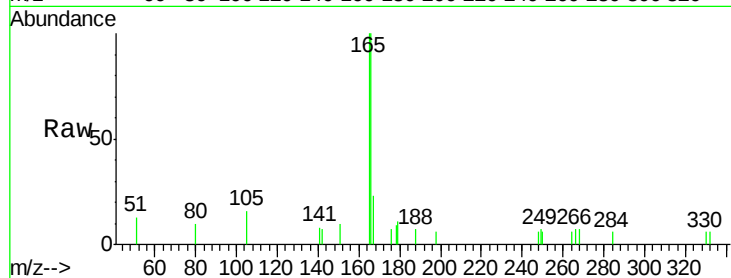
ClientSampleId :

PST-001-B016-042519

Tgt Ion:	166	Resp:	1610
Ion Ratio	Lower	Upper	
166	100		
165	91.9	80.3	120.5
167	15.1	10.7	16.1

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#19

Phenanthrene-d10

Concen: 0.400 ng

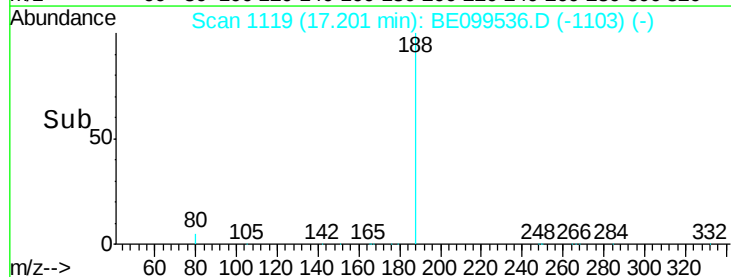
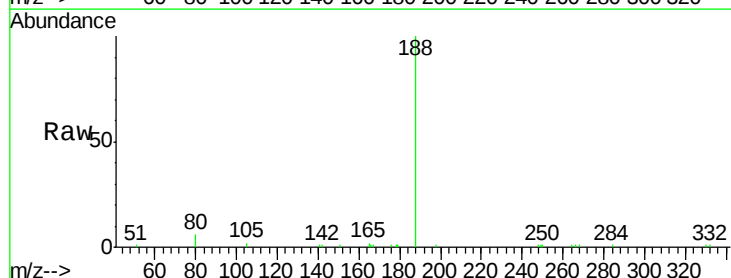
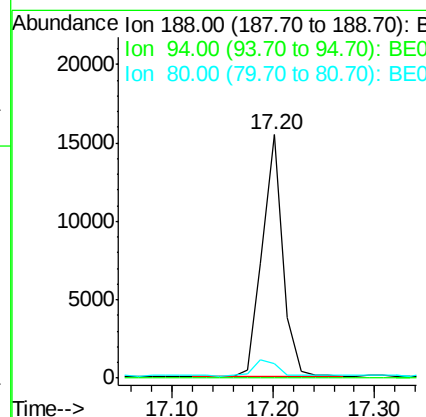
RT: 17.20 min Scan# 1119

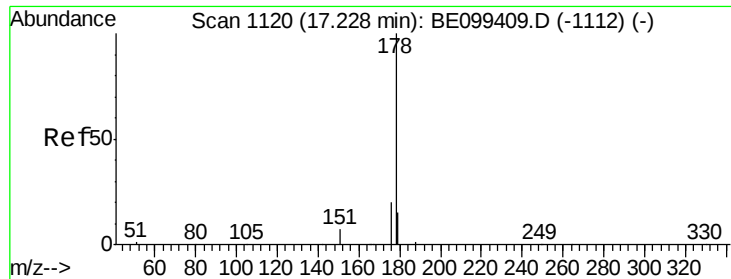
Delta R.T. 0.01 min

Lab File: BE099536.D

Acq: 3 May 2019 18:54

Tgt Ion:	188	Resp:	22075
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.0	6.7	10.1#





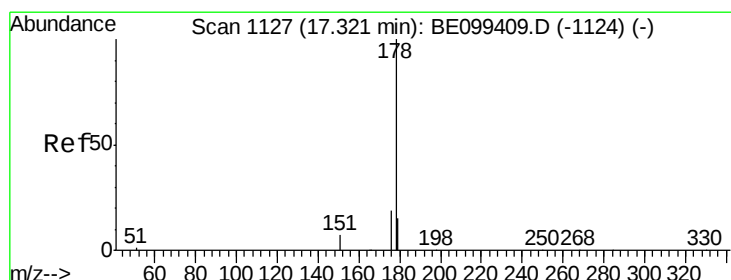
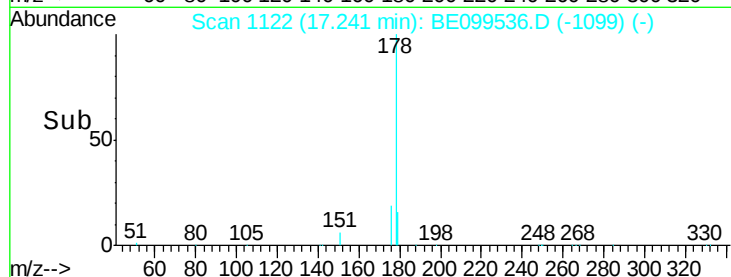
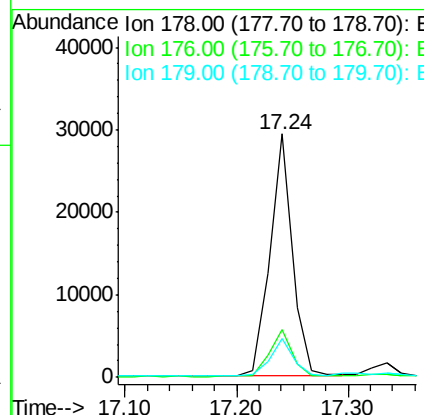
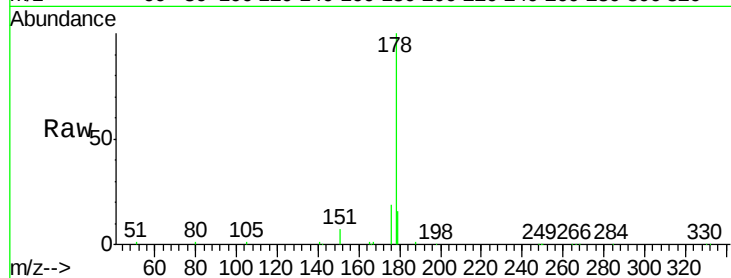
#23
Phenanthrene
Concen: 0.731 ng
RT: 17.24 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

Instrument :
BNA_E
ClientSampleId :
PST-001-B016-042519

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.8	12.0	18.0

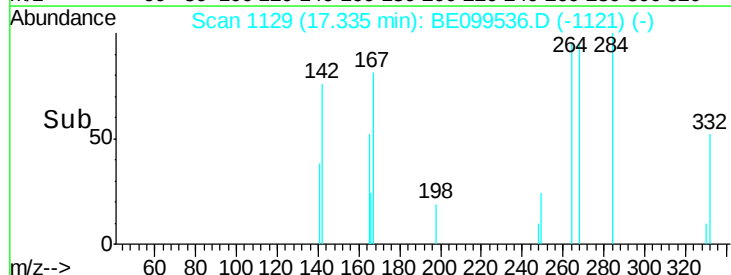
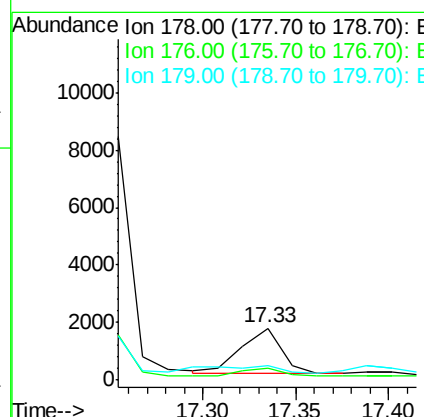
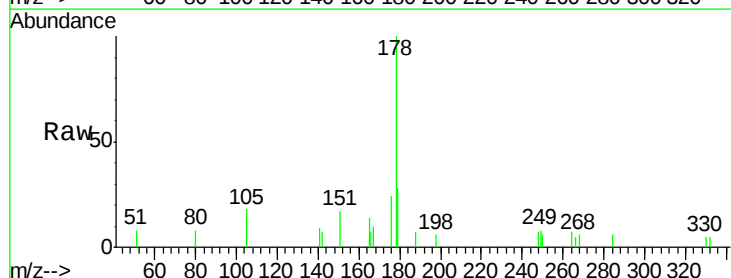
Manual Integrations
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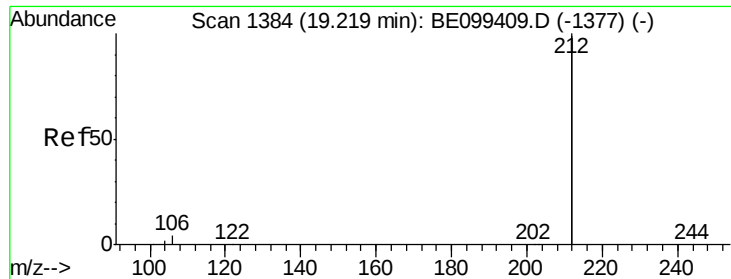
mohammad
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#24
Anthracene
Concen: 0.042 ng
RT: 17.33 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	14.9	22.3
179	33.4	11.9	17.9#





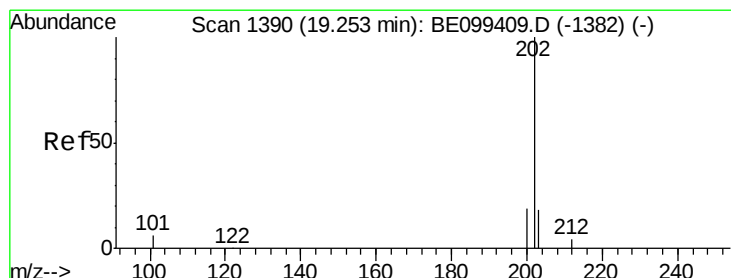
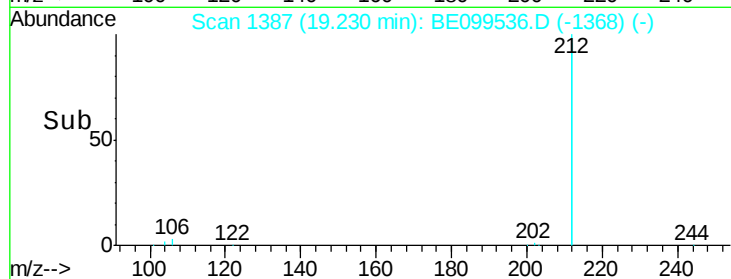
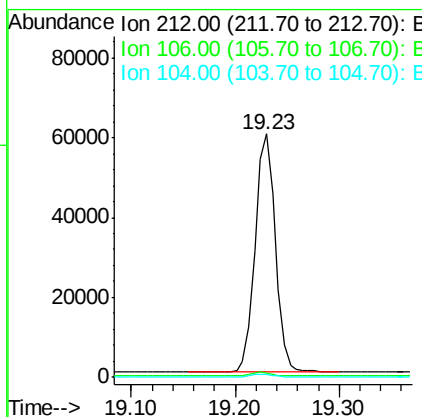
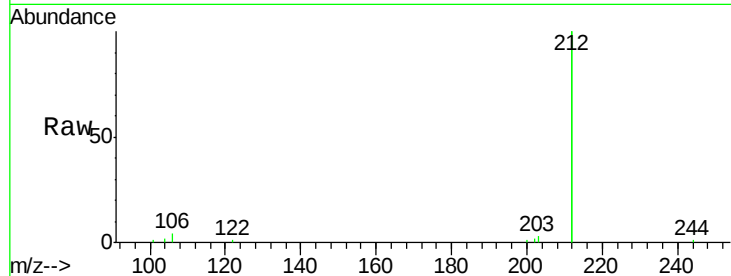
#25
Fluoranthene-d10
Concen: 0.273 ng
RT: 19.23 min Scan# 1387
Delta R.T. 0.01 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

Instrument :
BNA_E
ClientSampleId :
PST-001-B016-042519

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

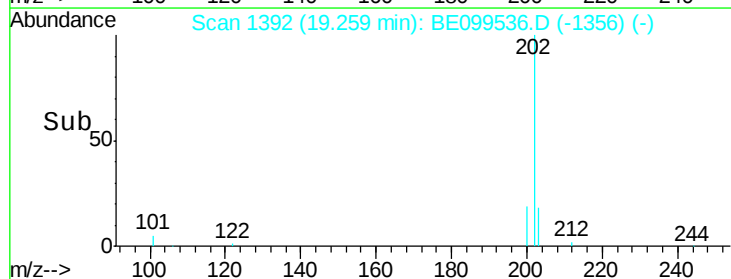
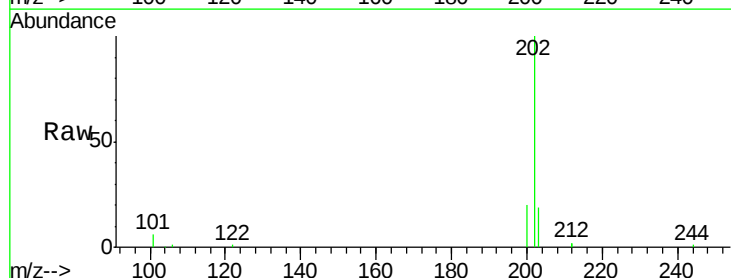
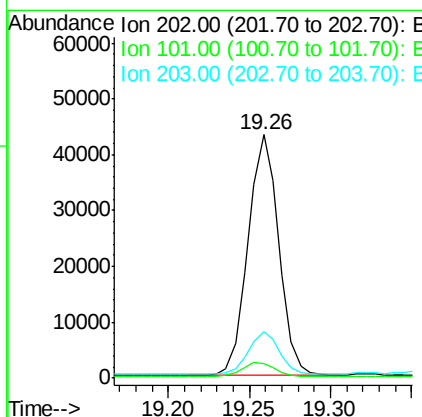
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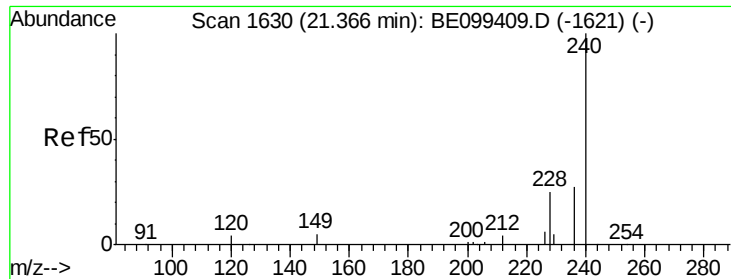
mohammad
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#26
Fluoranthene
Concen: 0.665 ng
RT: 19.26 min Scan# 1392
Delta R.T. 0.01 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	6.5	5.4	8.0
203	17.7	13.9	20.9





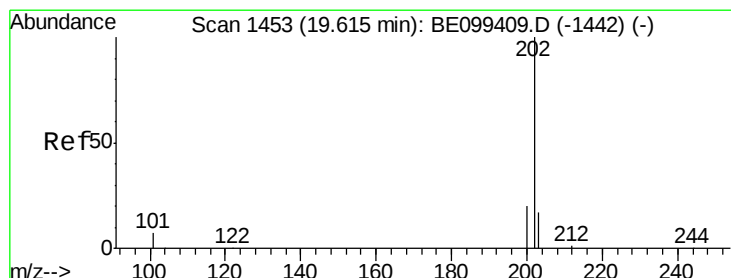
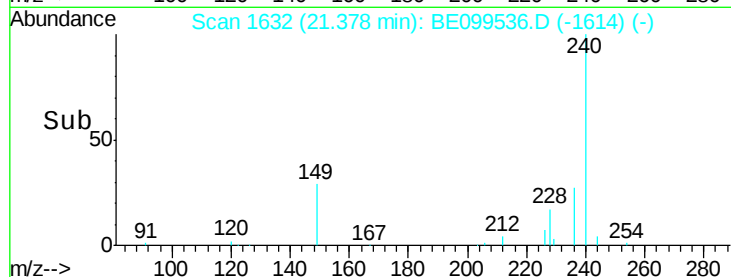
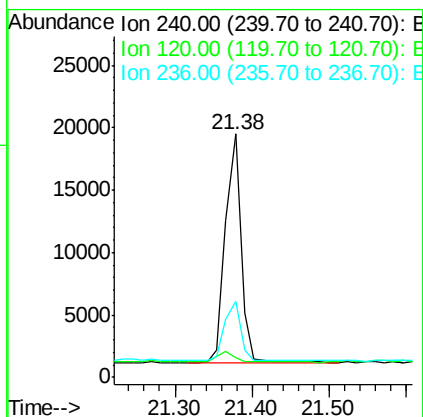
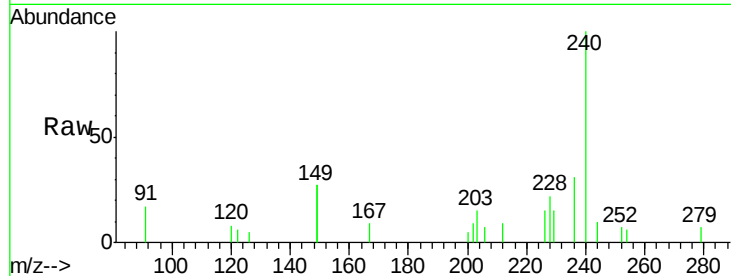
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1632
Delta R.T. 0.01 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

Instrument :
BNA_E
ClientSampleId :
PST-001-B016-042519

Tgt Ion: 240 Resp: 26097
Ion Ratio Lower Upper
240 100
120 8.3 4.0 6.0#
236 31.4 22.0 33.0

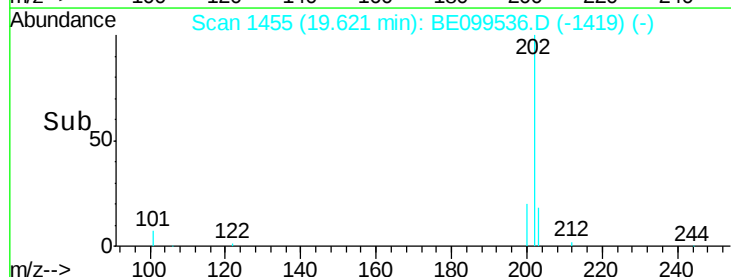
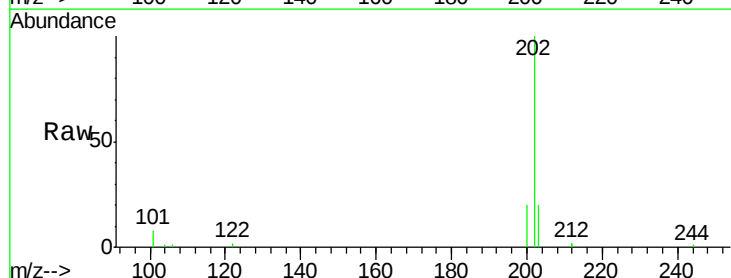
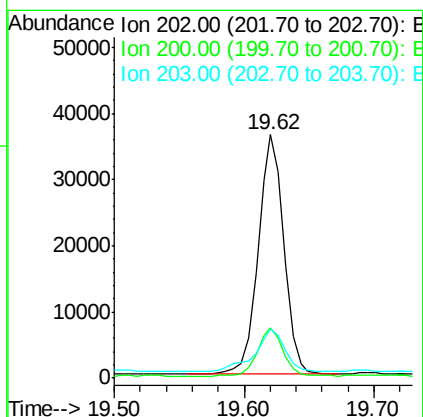
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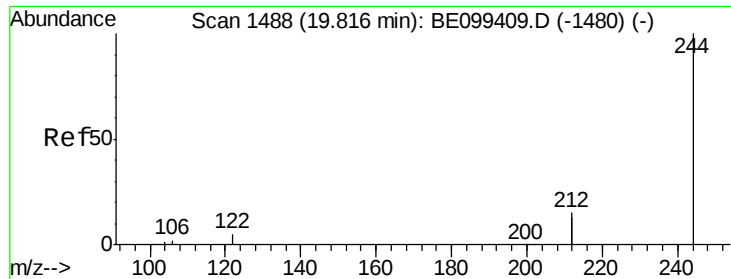
mohammad
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#28
Pyrene
Concen: 0.733 ng
RT: 19.62 min Scan# 1455
Delta R.T. 0.01 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

Tgt Ion: 202 Resp: 49868
Ion Ratio Lower Upper
202 100
200 20.2 15.7 23.5
203 20.8 13.9 20.9





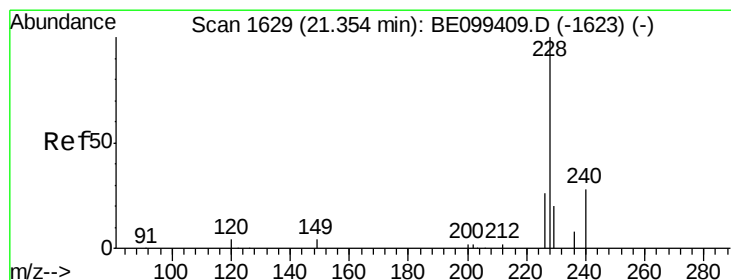
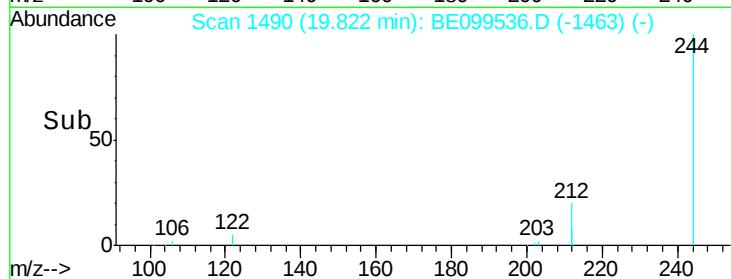
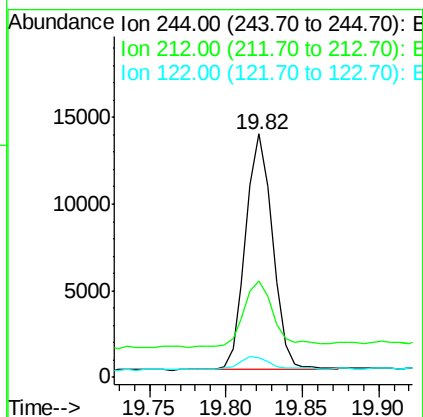
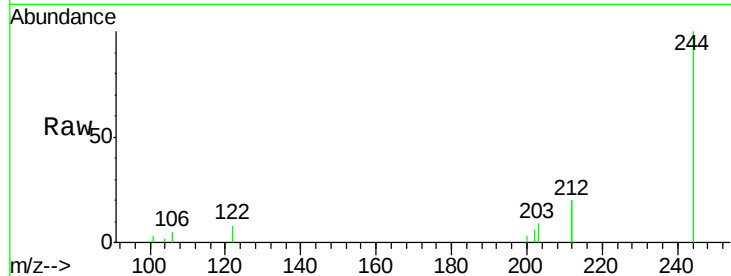
#29
 Terphenyl-d14
 Concen: 0.349 ng
 RT: 19.82 min Scan# 1490
 Delta R.T. 0.01 min
 Lab File: BE099536.D
 Acq: 3 May 2019 18:54

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B016-042519

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	16697		
212	39.8	23.2	34.8#	
122	8.0	4.2	6.4#	

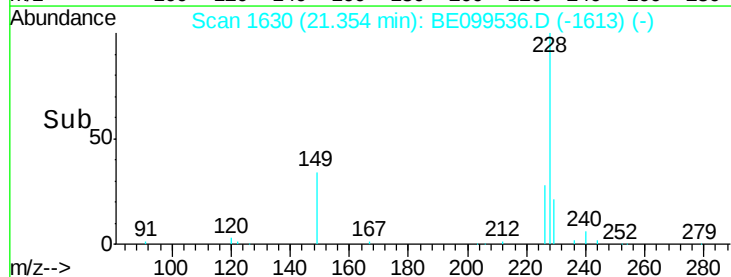
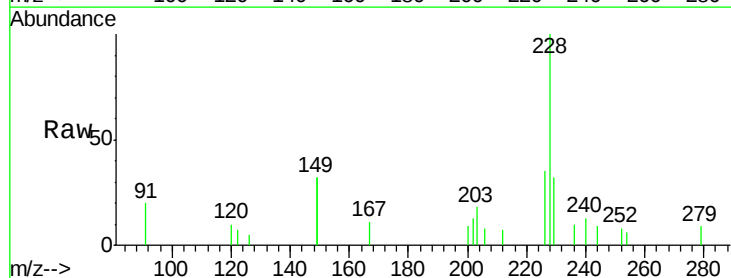
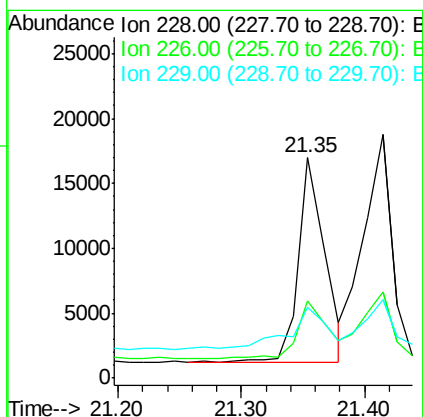
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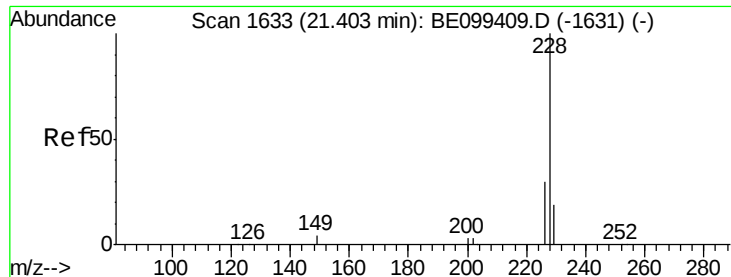
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#30
 Benzo(a)anthracene
 Concen: 0.281 ng
 RT: 21.35 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099536.D
 Acq: 3 May 2019 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	23357		
226	34.9	21.0	31.6#	
229	32.4	16.6	25.0#	





#31

Chrysene

Concen: 0.348 ng

RT: 21.41 min Scan# 1635

Delta R.T. 0.01 min

Lab File: BE099536.D

Acq: 3 May 2019 18:54

Instrument :

BNA_E

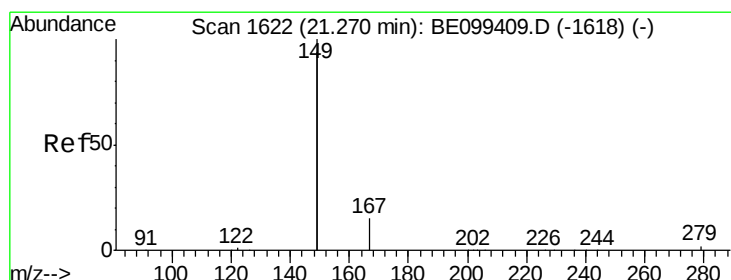
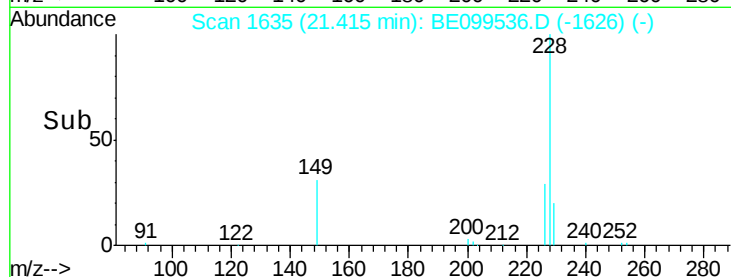
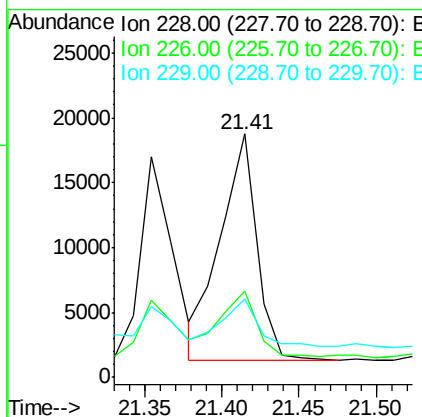
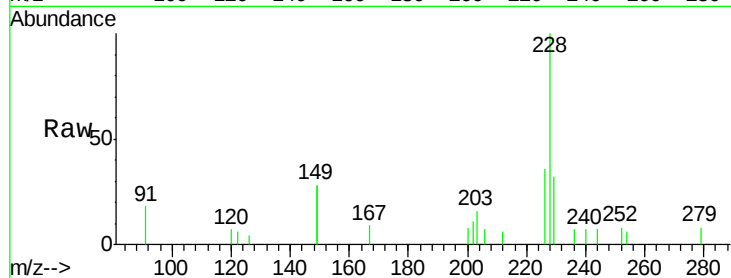
ClientSampleId :

PST-001-B016-042519

Tgt Ion:	228	Resp:	28338
Ion Ratio	Lower	Upper	
228	100		
226	35.6	24.0	36.0
229	32.0	15.8	23.8#

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.024 ng

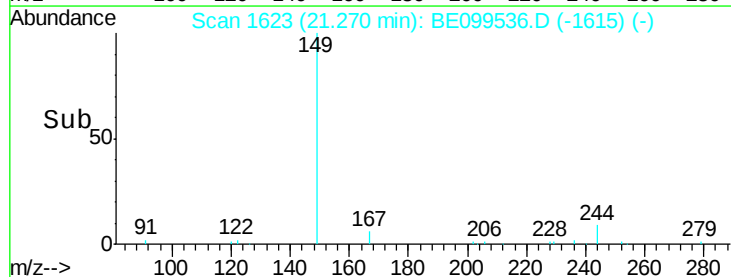
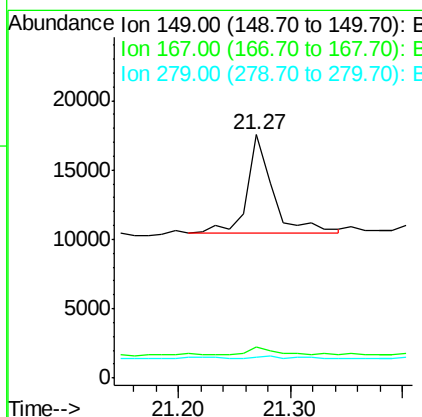
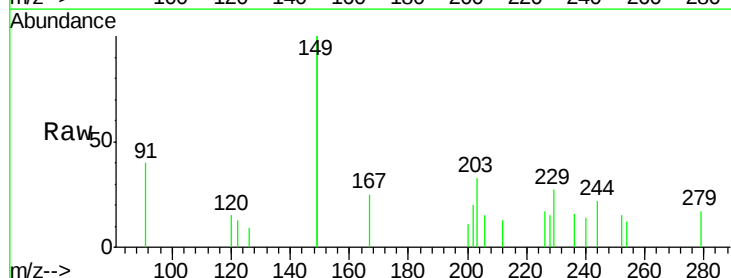
RT: 21.27 min Scan# 1623

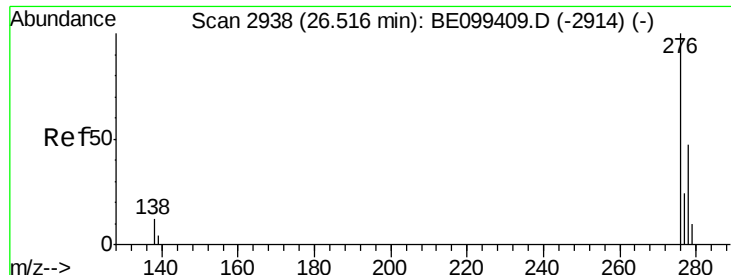
Delta R.T. 0.00 min

Lab File: BE099536.D

Acq: 3 May 2019 18:54

Tgt Ion:	149	Resp:	11255
Ion Ratio	Lower	Upper	
149	100		
167	7.4	5.8	8.6
279	3.4	1.0	1.6#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.178 ng

RT: 26.55 min Scan# 2948

Delta R.T. 0.03 min

Lab File: BE099536.D

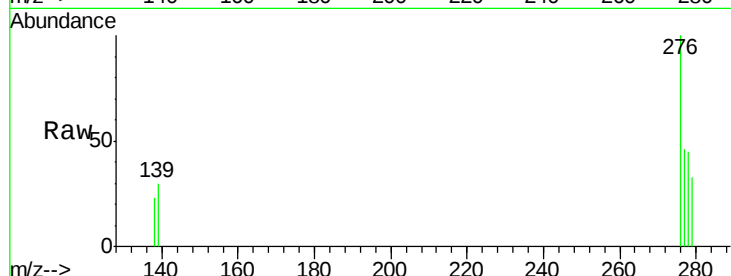
Acq: 3 May 2019 18:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B016-042519



Tgt Ion: 276 Resp: 17159

Ion Ratio Lower Upper

276 100

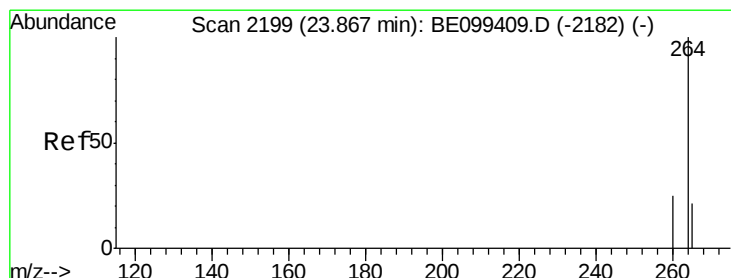
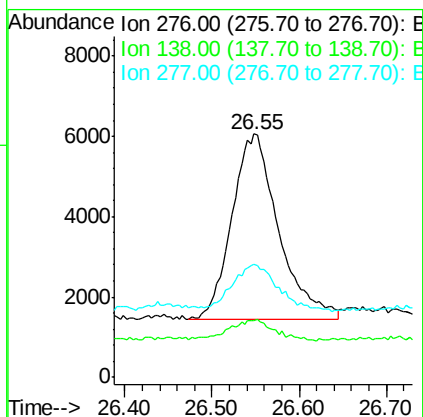
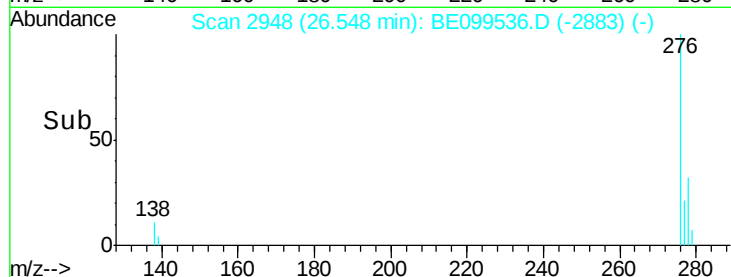
138 9.7 10.2 15.2#

277 24.0 19.2 28.8

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#34

Perylene-d12

Concen: 0.400 ng

RT: 23.88 min Scan# 2205

Delta R.T. 0.02 min

Lab File: BE099536.D

Acq: 3 May 2019 18:54

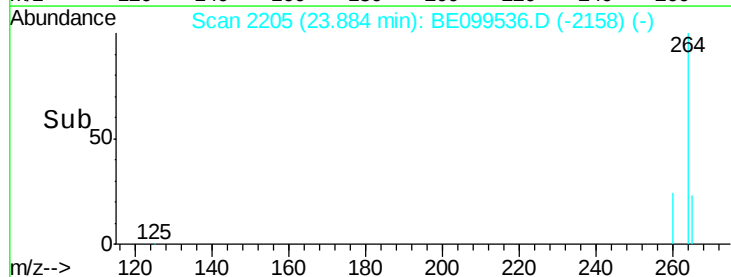
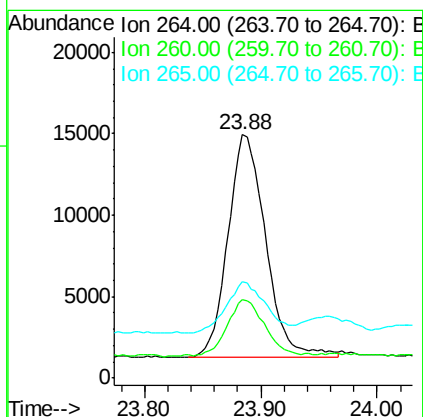
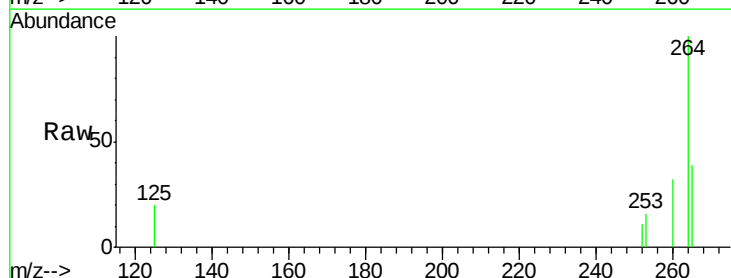
Tgt Ion: 264 Resp: 31084

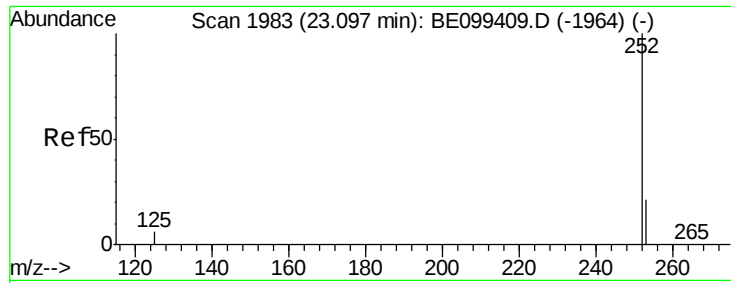
Ion Ratio Lower Upper

264 100

260 32.0 20.2 30.2#

265 39.4 21.3 31.9#





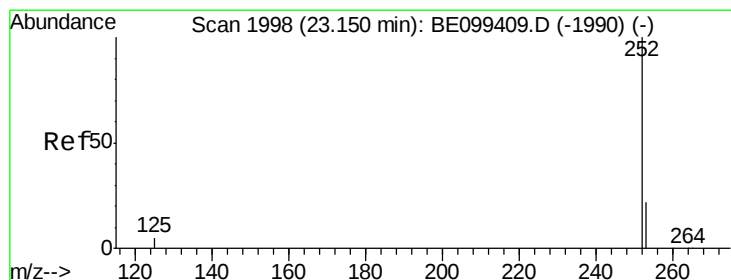
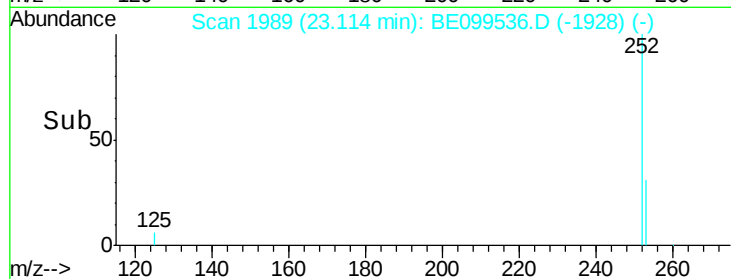
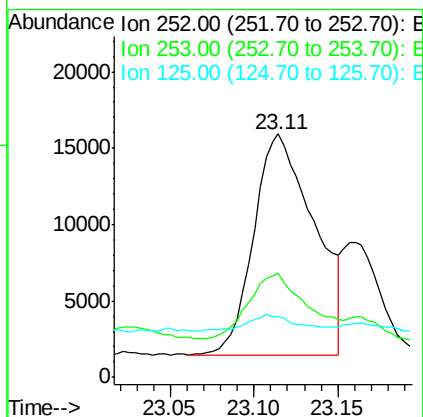
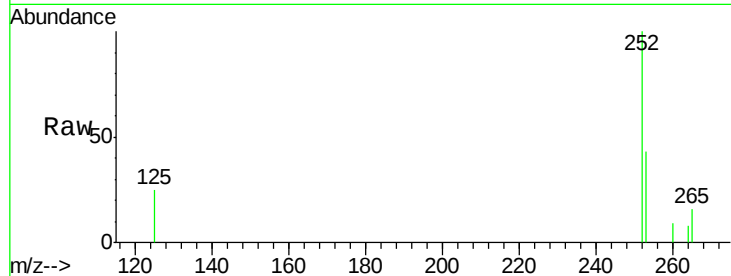
#35
Benzo(b)fluoranthene
Concen: 0.407 ng
RT: 23.11 min Scan# 1989
Delta R.T. 0.02 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

Instrument :
BNA_E
ClientSampleId :
PST-001-B016-042519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	42.5	18.1	27.1#
125	25.0	5.6	8.4#

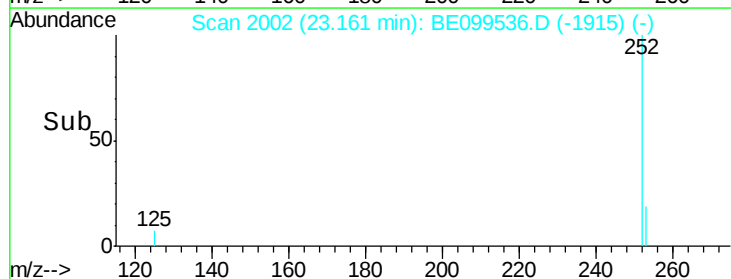
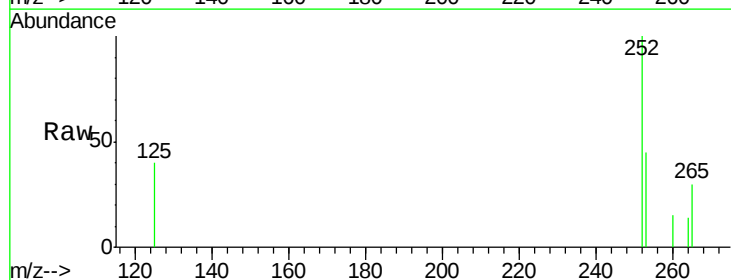
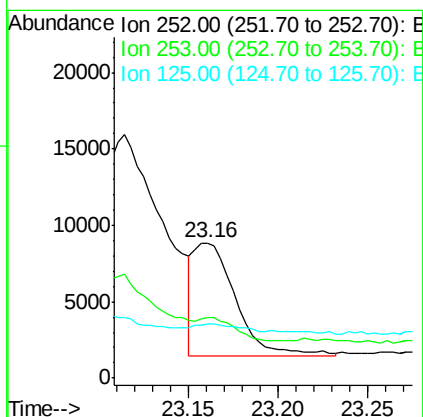
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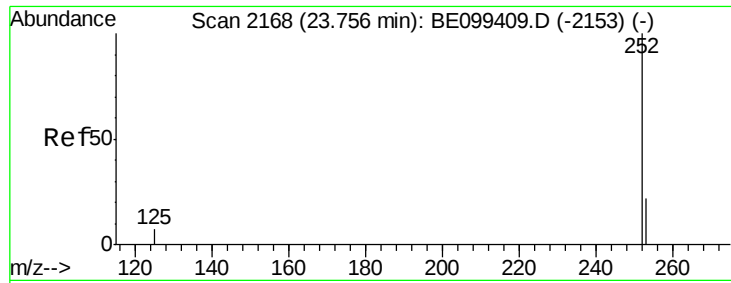
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#36
Benzo(k)fluoranthene
Concen: 0.139 ng m
RT: 23.16 min Scan# 2002
Delta R.T. 0.01 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	45.1	18.4	27.6#
125	40.2	5.0	7.4#





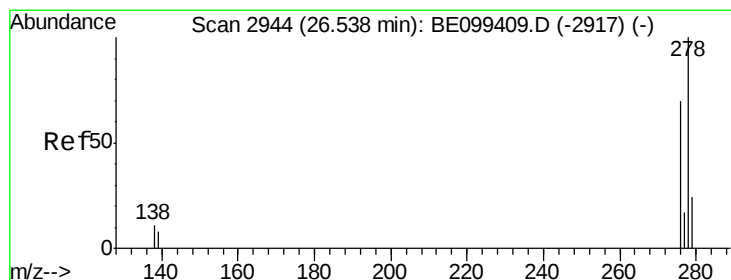
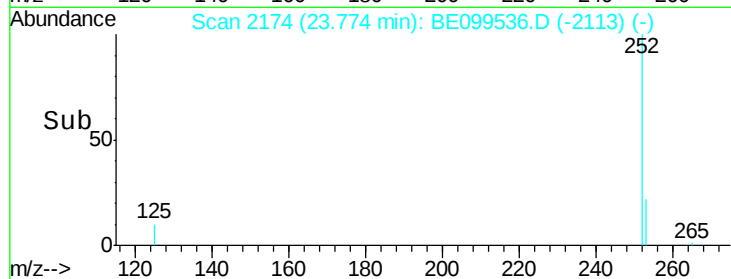
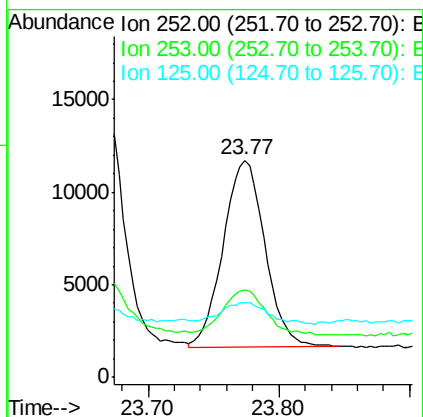
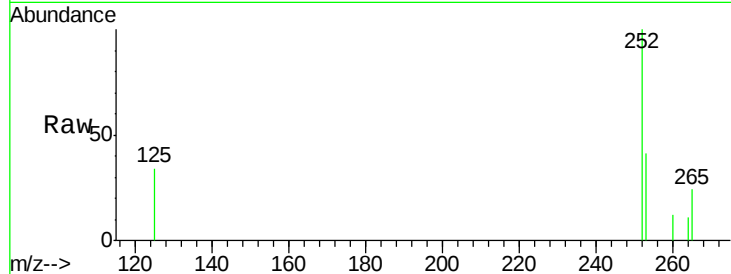
#37
Benzo(a)pyrene
Concen: 0.266 ng
RT: 23.77 min Scan# 2174
Delta R.T. 0.02 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

Instrument :
BNA_E
ClientSampleId :
PST-001-B016-042519

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	22512		
253	40.5	18.9	28.3#	
125	34.3	6.7	10.1#	

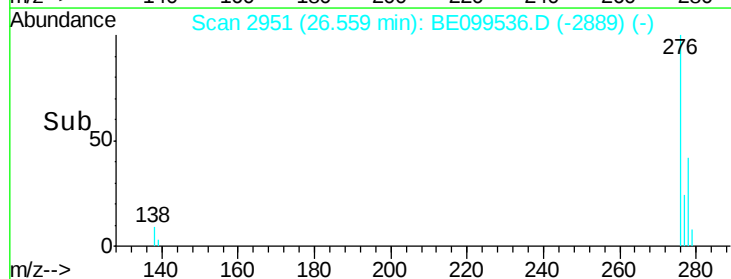
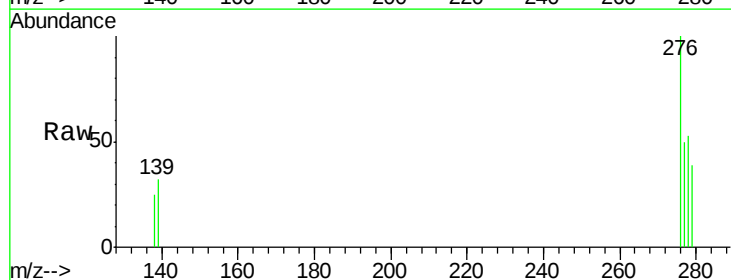
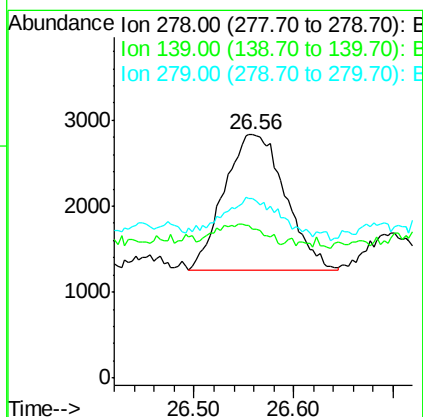
Manual Integrations
APPROVED

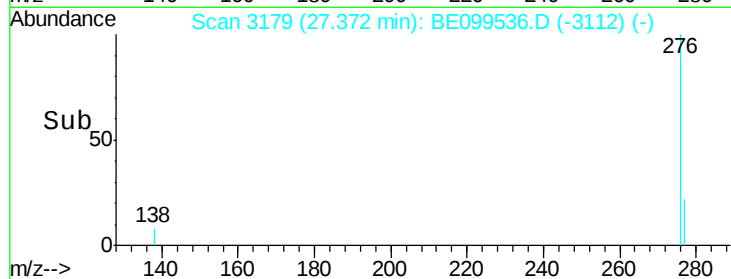
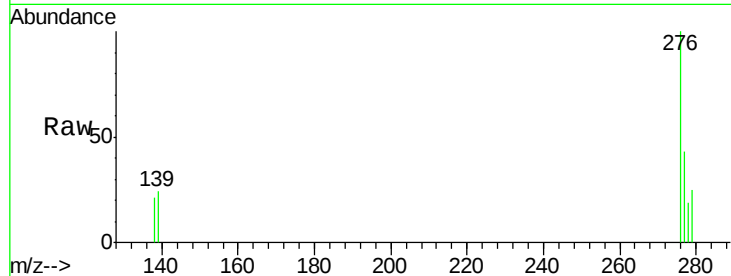
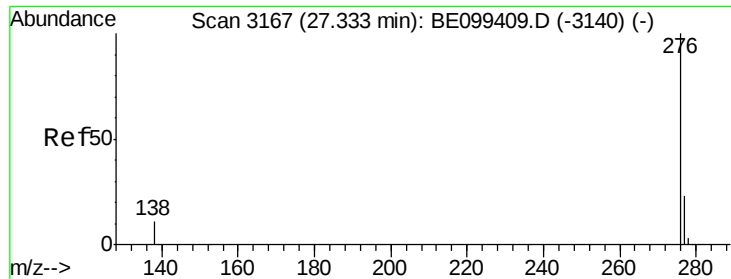
mohammad
5/7/2019 11:57:04 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.078 ng
RT: 26.56 min Scan# 2951
Delta R.T. 0.02 min
Lab File: BE099536.D
Acq: 3 May 2019 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	6756		
139	61.2	7.7	11.5#	
279	73.5	20.2	30.2#	





#39

Benzo(g,h,i)perylene

Concen: 0.258 ng

RT: 27.37 min Scan# 3179

Delta R.T. 0.04 min

Lab File: BE099536.D

Acq: 3 May 2019 18:54

Instrument :

BNA_E

ClientSampleId :

PST-001-B016-042519

Tgt Ion:	276	Resp:	22445
Ion Ratio	Lower	Upper	
276	100		
277	43.5	19.5	29.3#
138	21.4	9.6	14.4#

Manual Integrations
APPROVED

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5/7/2019 11:57:04 PM

