

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099392.D
 Acq On : 27 Apr 2019 00:06
 Operator : JU/SJ
 Sample : K2533-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B006-042219

Manual Integrations
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 4/29/2019 1:31:54 PM

Quant Time: Apr 29 05:10:44 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Apr 19 06:51:38 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3772	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	15295	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	11091	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	29323	0.40	ng	0.00
27) Chrysene-d12	21.37	240	33720	0.40	ng	0.00
34) Perylene-d12	23.88	264	38173	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	3858	0.42	ng	0.01
5) Phenol-d6	6.97	99	6005	0.46	ng	0.00
8) Nitrobenzene-d5	8.96	82	5404	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	9695	0.36	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2567	0.70	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	13895	0.32	ng	0.00
25) Fluoranthene-d10	19.22	212	114174	0.32	ng	0.00
29) Terphenyl-d14	19.82	244	19294	0.29	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	7380	0.044	ng	# 97
12) 2-Methylnaphthalene	12.28	142	1369	0.048	ng	96
16) Acenaphthylene	14.18	152	4142	0.083	ng	97
17) Acenaphthene	14.53	154	2604	0.084	ng	99
18) Fluorene	15.49	166	4568	0.103	ng	# 90
23) Phenanthrene	17.24	178	148068	1.907	ng	99
24) Anthracene	17.32	178	28694	0.415	ng	97
26) Fluoranthene	19.25	202	439105	4.225	ng	97
28) Pyrene	19.61	202	382318	3.848	ng	# 94
30) Benzo(a)anthracene	21.35	228	256568	2.588	ng	97
31) Chrysene	21.40	228	242266	2.296	ng	95
32) Bis(2-ethylhexyl)phthalate	21.27	149	33236	0.368	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.52	276	102516	0.984	ng	# 91
35) Benzo(b)fluoranthene	23.11	252	291827	2.497	ng	94
36) Benzo(k)fluoranthene	23.15	252	117634m	1.010	ng	
37) Benzo(a)pyrene	23.76	252	193208	1.845	ng	96
38) Dibenzo(a,h)anthracene	26.54	278	26182	0.245	ng	# 67
39) Benzo(a,h,i)perylene	27.35	276	94725	0.873	ng	95

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

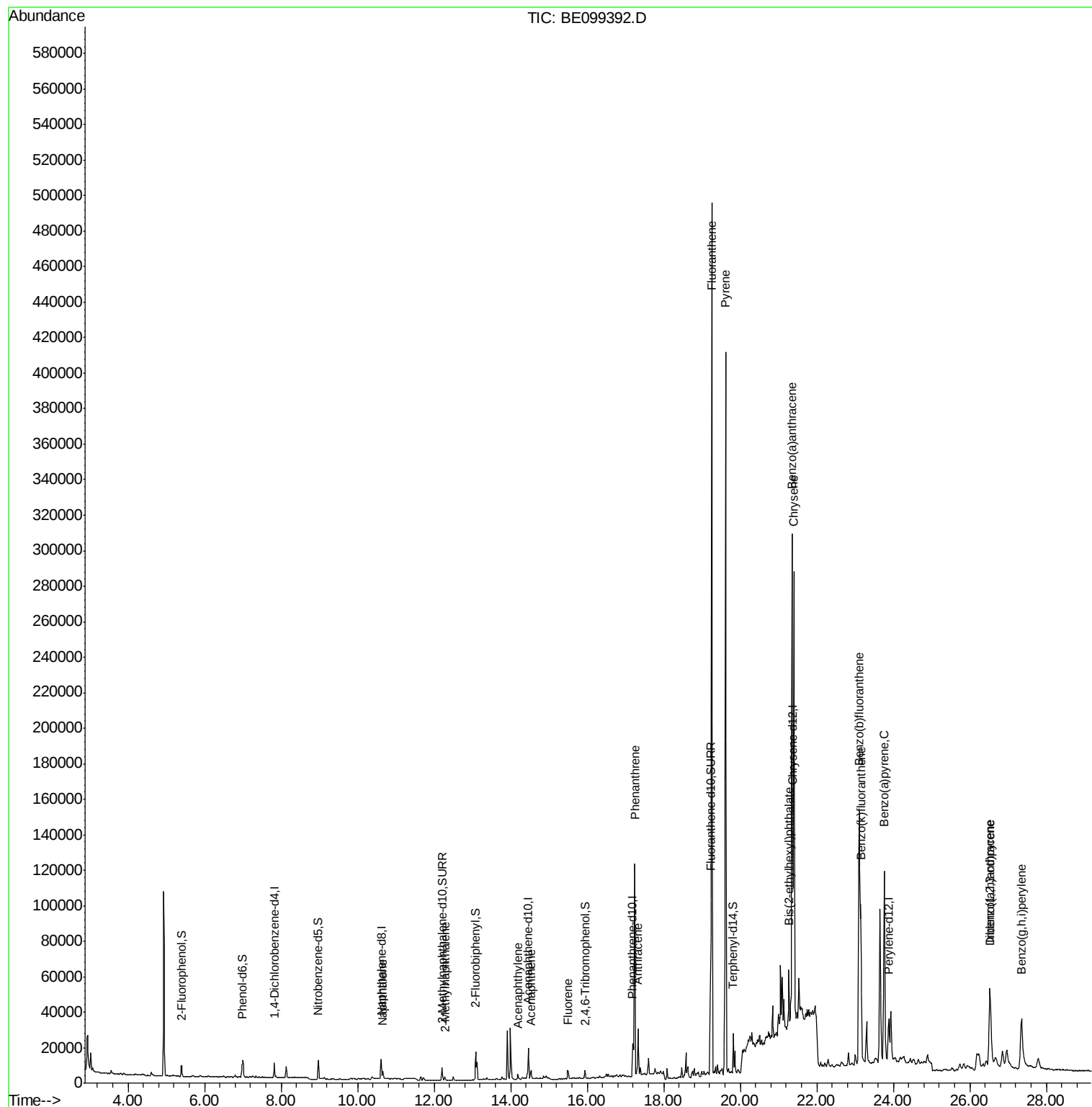
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
Data File : BE099392.D
Acq On : 27 Apr 2019 00:06
Operator : JU/SJ
Sample : K2533-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

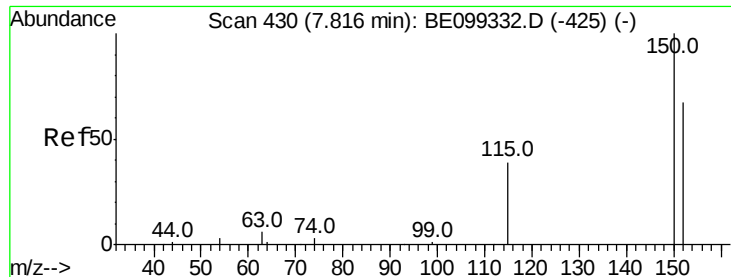
Instrument :
BNA_E
ClientSampleId :
PST-028-B006-042219

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Quant Time: Apr 29 05:10:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 19 06:51:38 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.00 min

Lab File: BE099392.D

Acq: 27 Apr 2019 00:06

Instrument :

BNA_E

ClientSampleId :

PST-028-B006-042219

Tot Ion:152 Resp: 3772

Ion Ratio Lower Upper

152 100

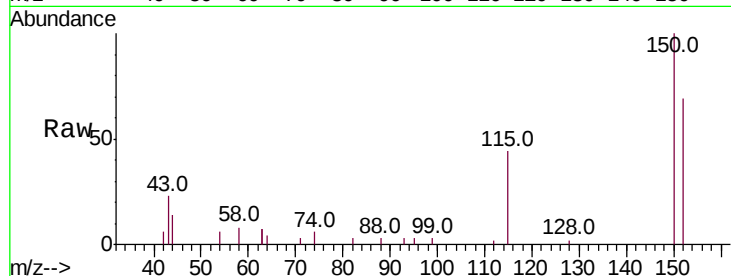
150 145.7 119.5 179.3

115 64.4 47.5 71.3

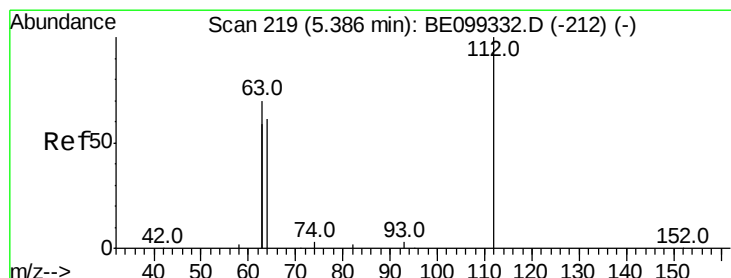
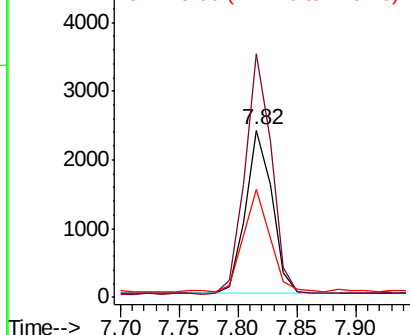
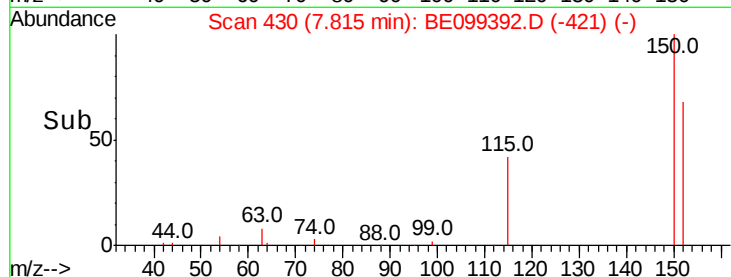
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.419 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE099392.D

Acq: 27 Apr 2019 00:06

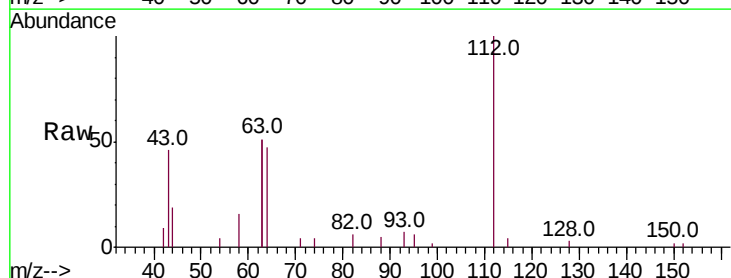
Tgt Ion:112 Resp: 3858

Ion Ratio Lower Upper

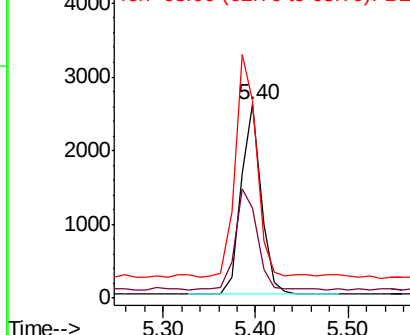
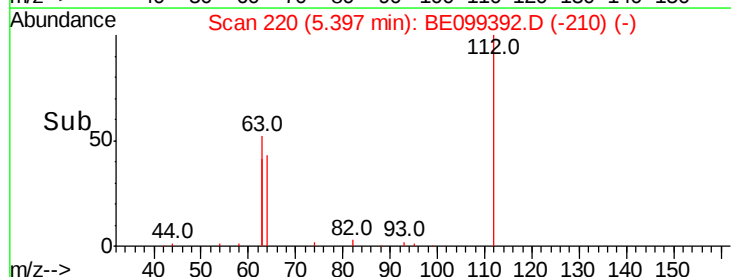
112 100

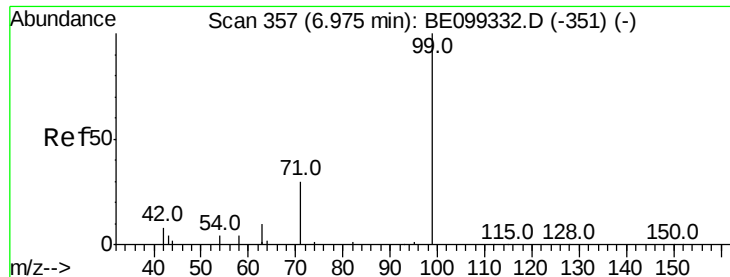
64 58.1 44.9 67.3

63 124.7 97.4 146.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.457 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099392.D

Acq: 27 Apr 2019 00:06

Instrument :

BNA_E

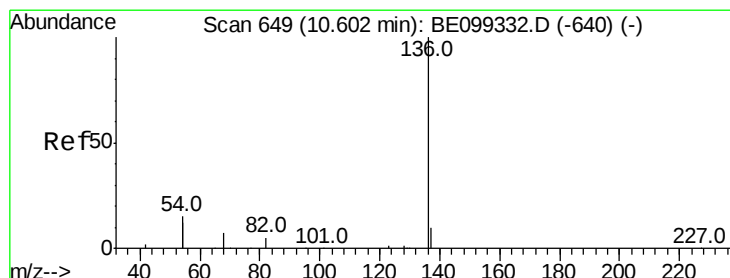
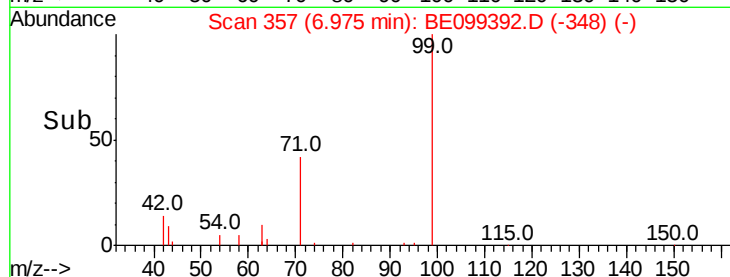
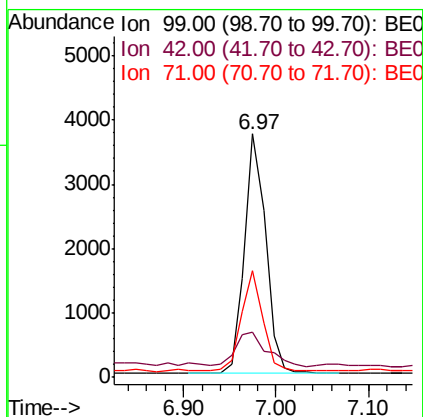
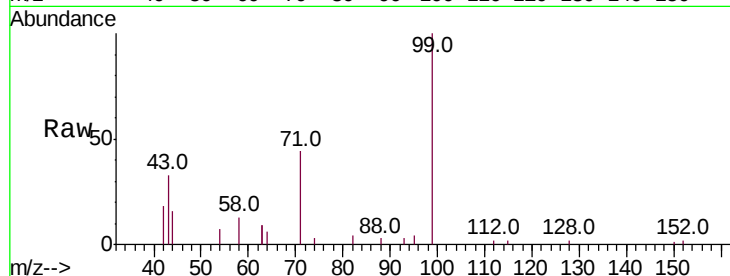
ClientSampleId :

PST-028-B006-042219

Tot Ion:	99	Resp:	6005
Ion	Ratio	Lower	Upper
99	100		
42	21.0	11.7	17.5#
71	41.7	29.6	44.4

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#7

Naphthalene-d8

Concen: 0.400 ng

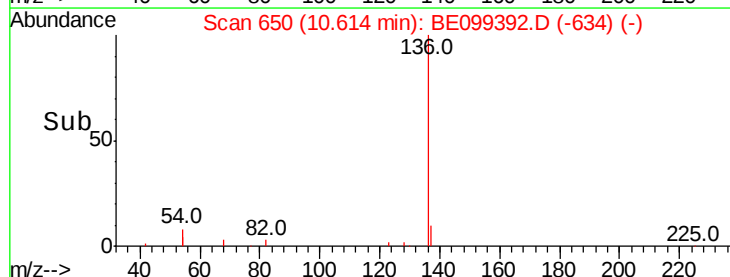
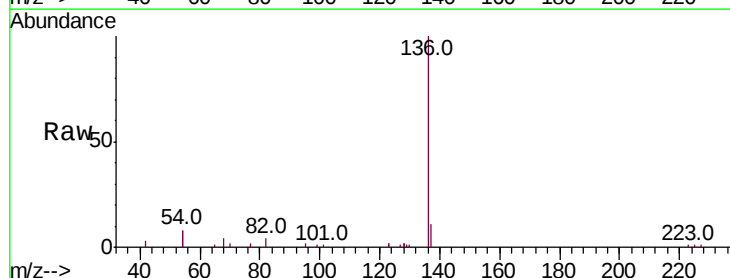
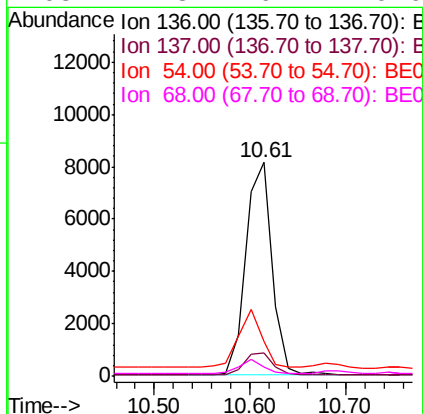
RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099392.D

Acq: 27 Apr 2019 00:06

Tgt Ion:	136	Resp:	15295
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.7	13.1
54	16.3	23.8	35.8#
68	4.3	6.4	9.6#





#8

Nitrobenzene-d5

Concen: 0.455 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099392.D

Acq: 27 Apr 2019 00:06

Instrument :

BNA_E

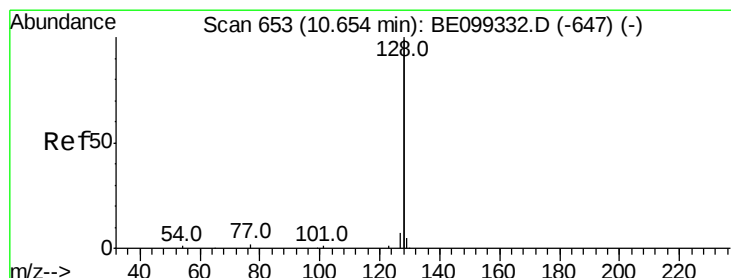
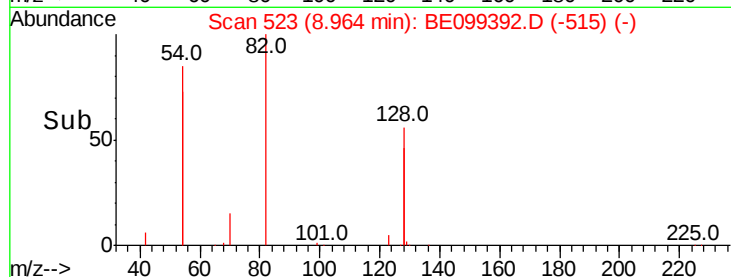
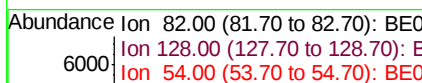
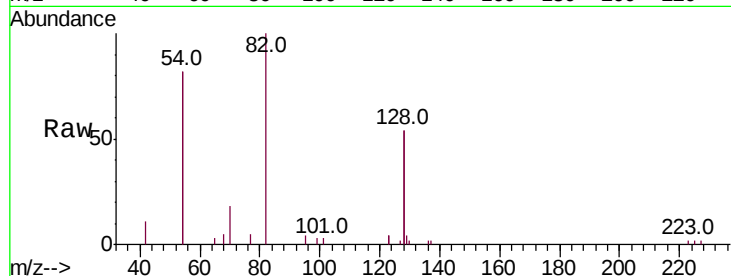
ClientSampleId :

PST-028-B006-042219

Tot Ion:	82	Resp:	5404
Ion	Ratio	Lower	Upper
82	100		
128	108.4	91.7	137.5
54	163.8	122.8	184.2

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#9

Naphthalene

Concen: 0.044 ng

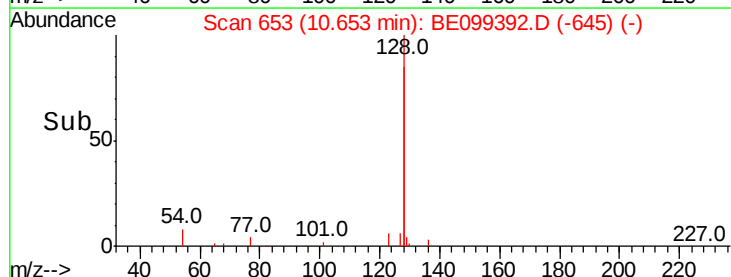
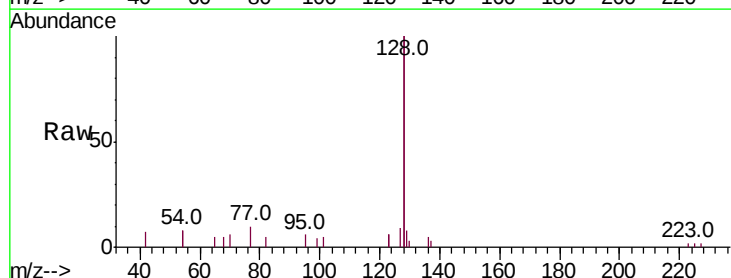
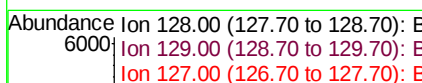
RT: 10.65 min Scan# 653

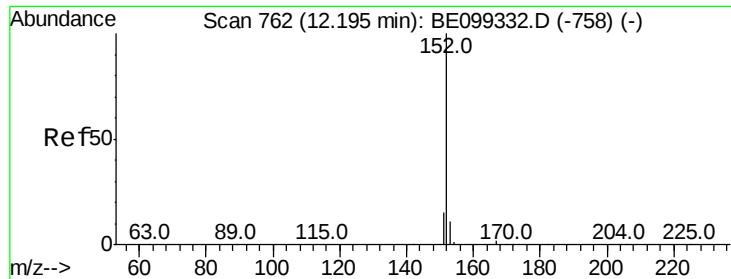
Delta R.T. -0.00 min

Lab File: BE099392.D

Acq: 27 Apr 2019 00:06

Tgt Ion:	128	Resp:	7380
Ion	Ratio	Lower	Upper
128	100		
129	4.1	2.3	3.5#
127	4.6	2.8	4.2#





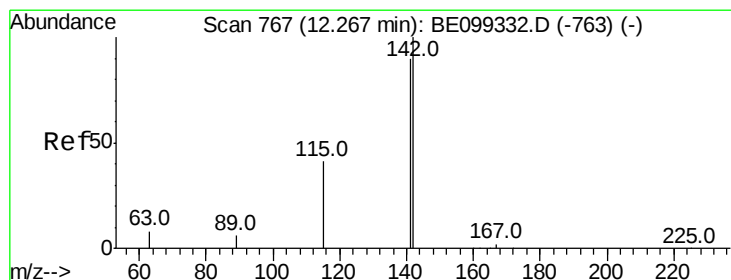
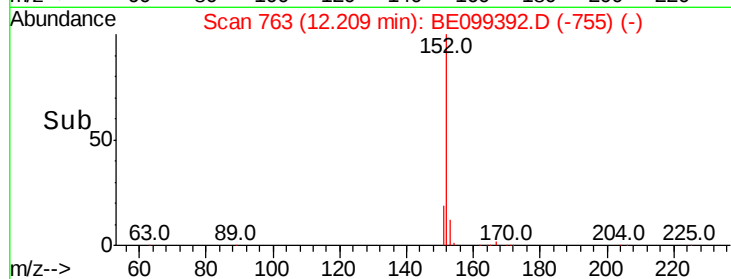
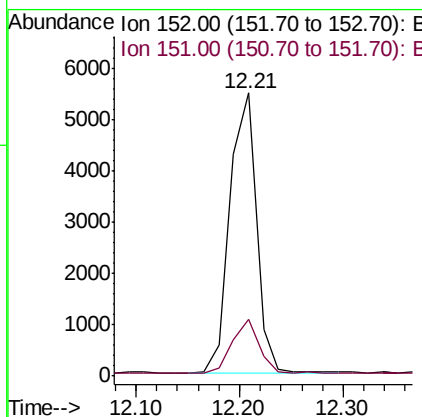
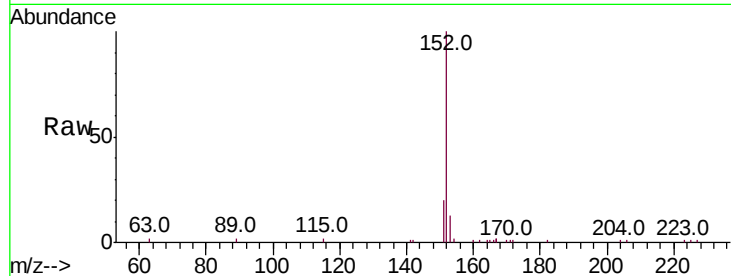
#11
 2-Methylnaphthalene-d10
 Concen: 0.359 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099392.D
 Acq: 27 Apr 2019 00:06

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B006-042219

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	14.9	22.3

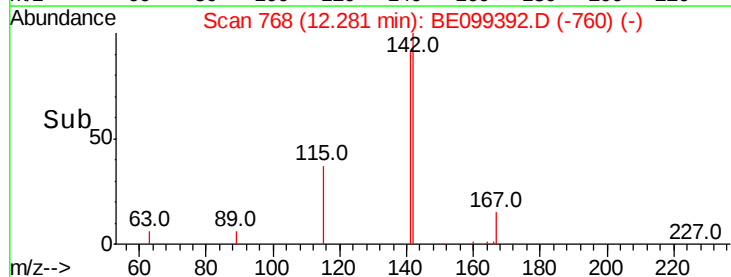
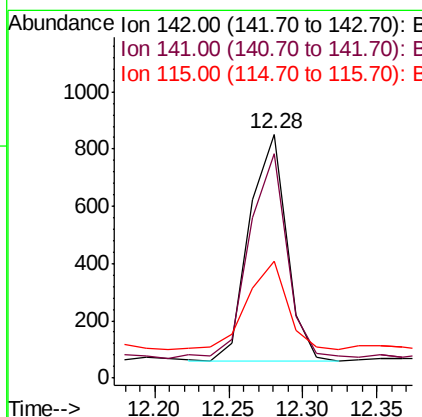
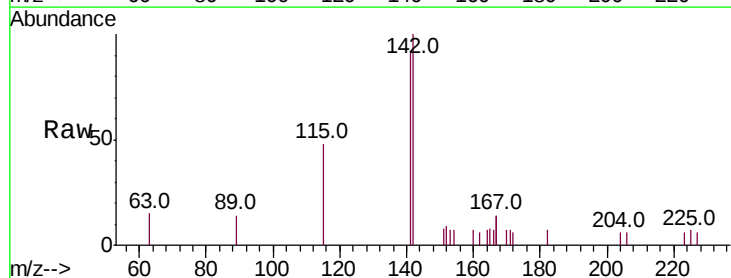
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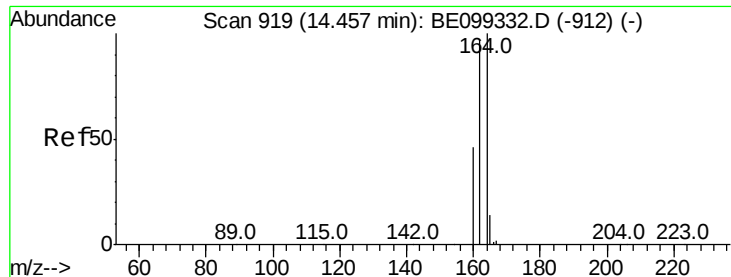
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#12
 2-Methylnaphthalene
 Concen: 0.048 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099392.D
 Acq: 27 Apr 2019 00:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.0	108.0
115	47.7	33.4	50.0





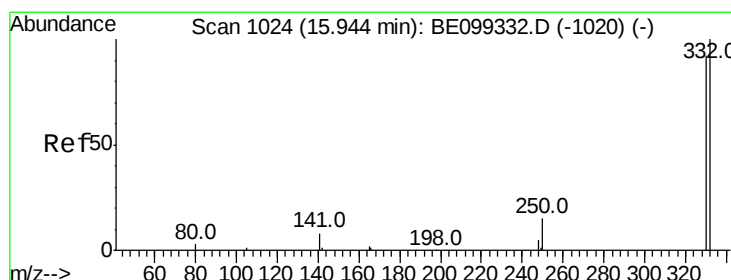
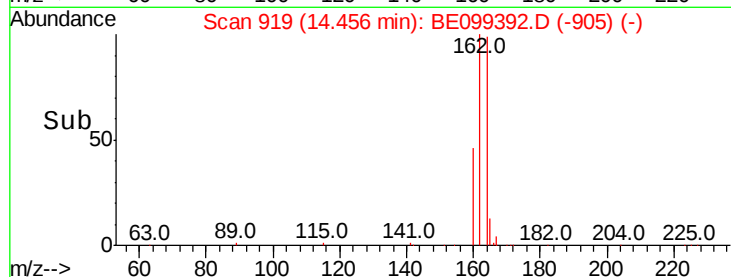
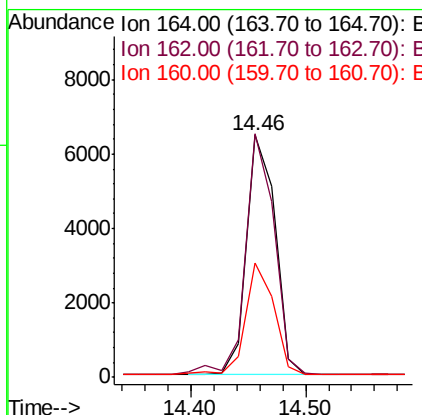
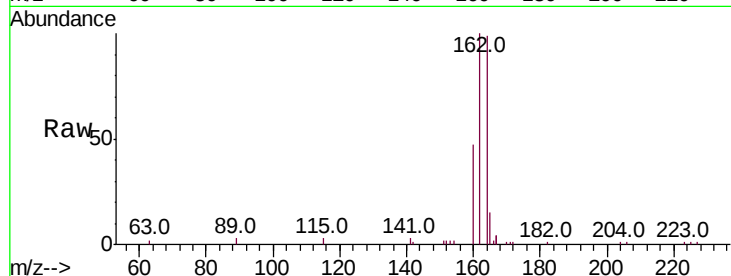
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

Instrument :
BNA_E
ClientSampleId :
PST-028-B006-042219

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.6	77.8	116.6
160	47.1	37.1	55.7

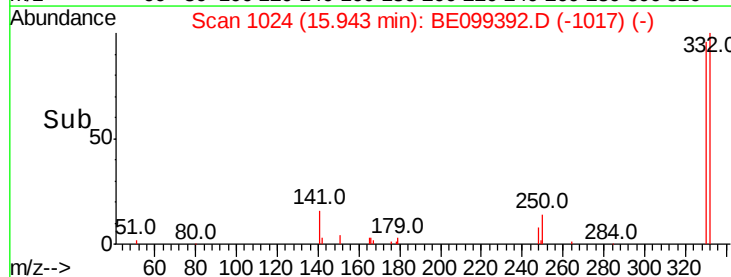
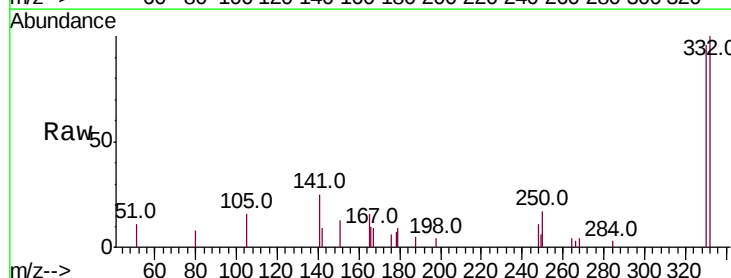
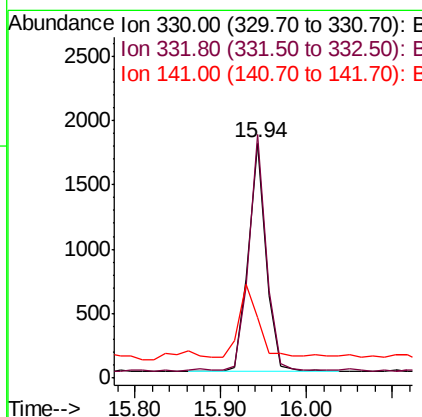
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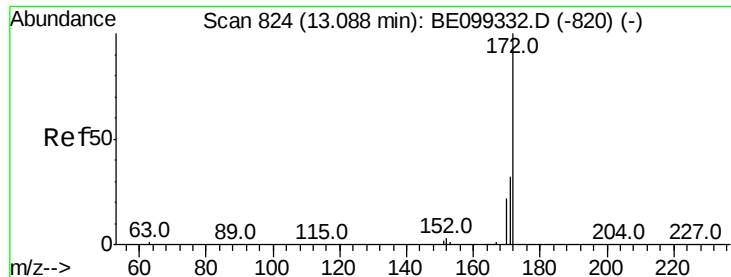
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#14
2,4,6-Tribromophenol
Concen: 0.697 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.7	82.5	123.7
141	33.0	24.9	37.3





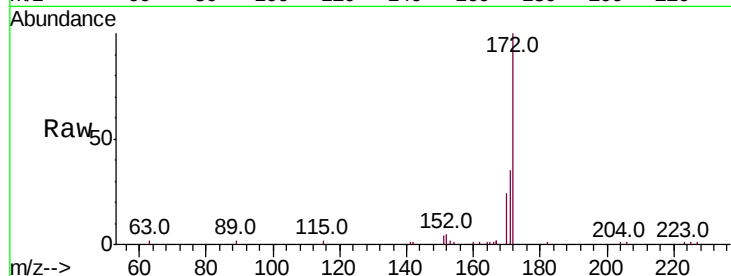
#15
2-Fluorobiphenyl
Concen: 0.319 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

Instrument :
BNA_E
ClientSampleId :
PST-028-B006-042219

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	26.2	39.2
170	24.1	18.1	27.1

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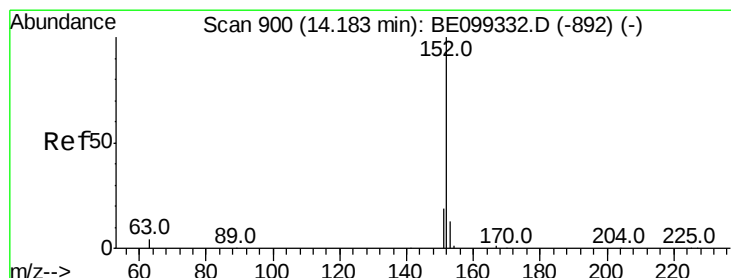
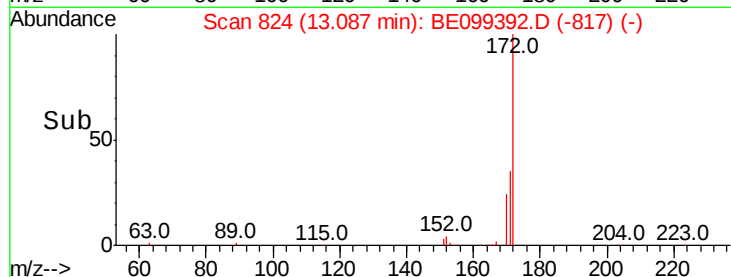
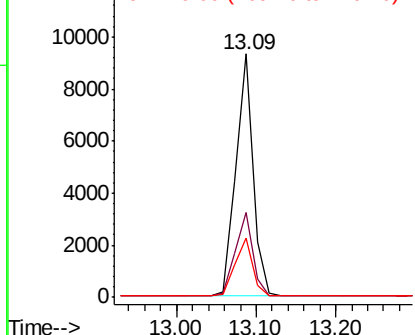


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.083 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

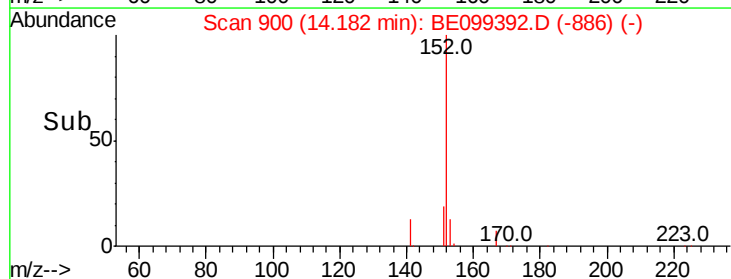
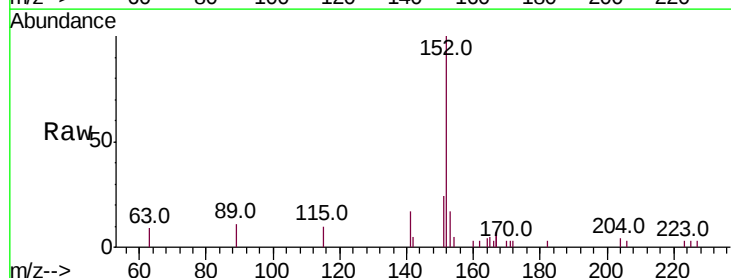
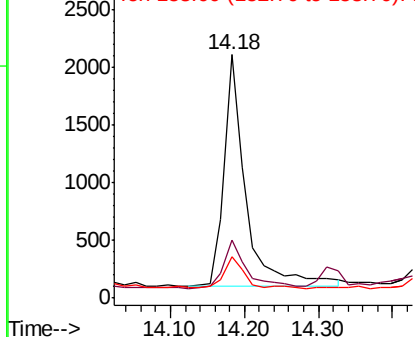
Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.0	15.5	23.3
153	12.8	10.2	15.4

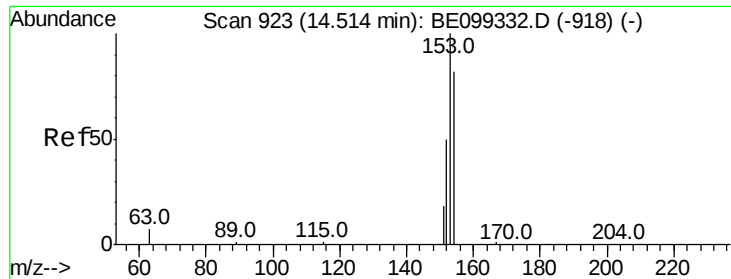
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





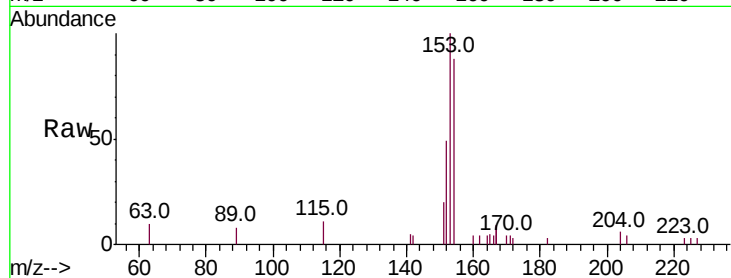
#17
Acenaphthene
Concen: 0.084 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.01 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

Instrument :
BNA_E
ClientSampleId :
PST-028-B006-042219

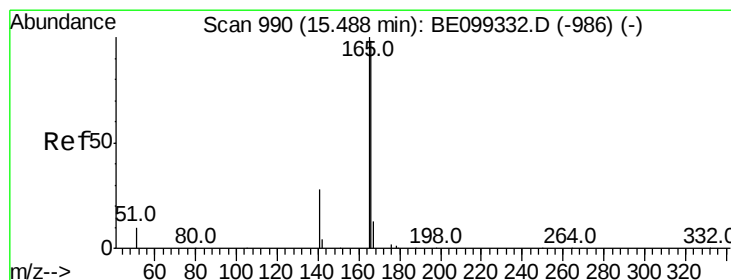
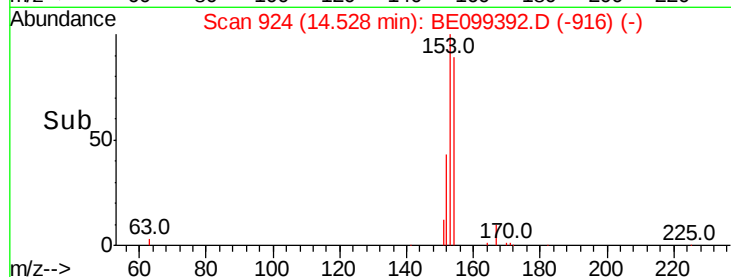
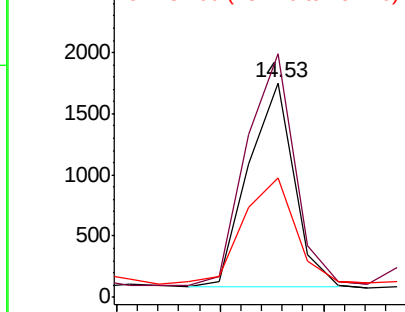
Tot Ion:154 Resp: 2604
Ion Ratio Lower Upper
154 100
153 118.8 94.7 142.1
152 58.6 46.4 69.6

Manual Integrations
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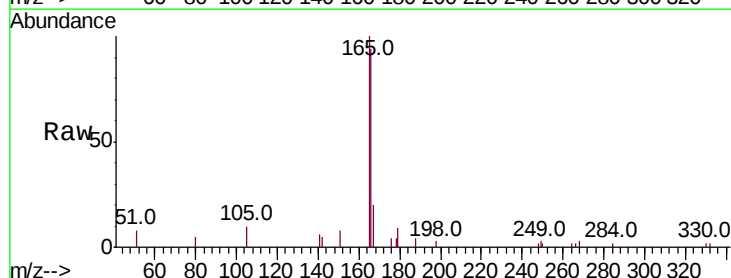


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

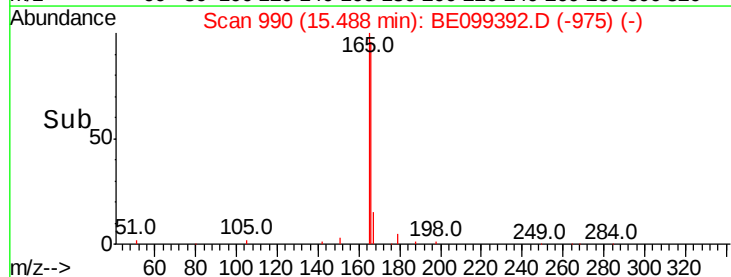
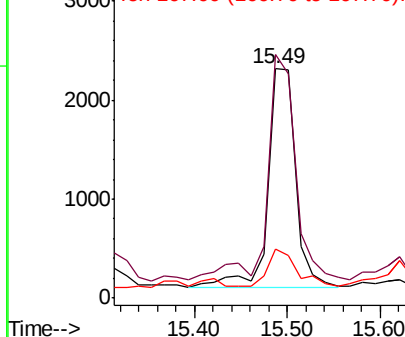


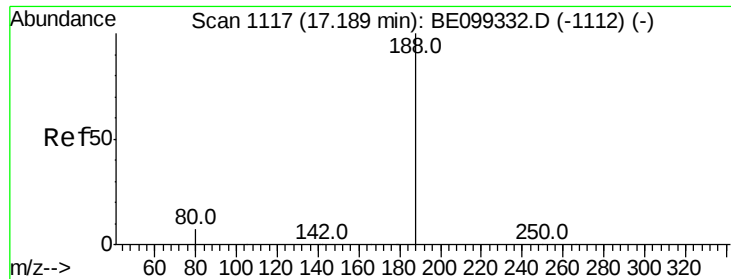
#18
Fluorene
Concen: 0.103 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.00 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

Tgt Ion:166 Resp: 4568
Ion Ratio Lower Upper
166 100
165 109.0 79.7 119.5
167 18.3 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





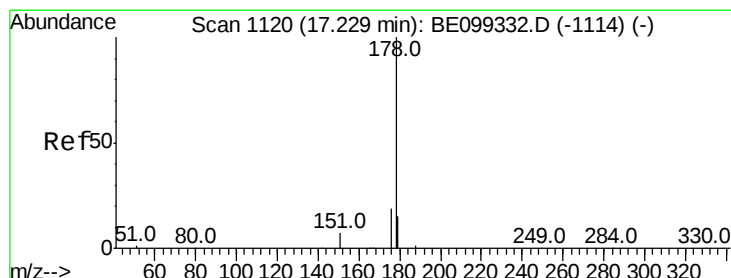
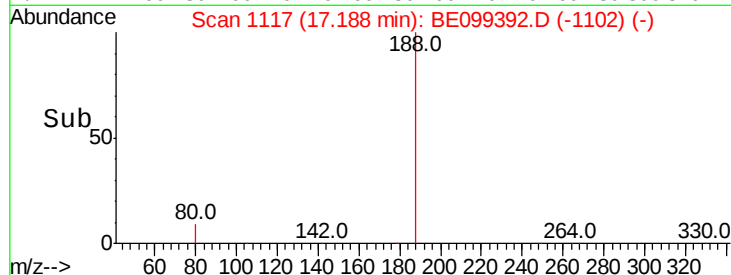
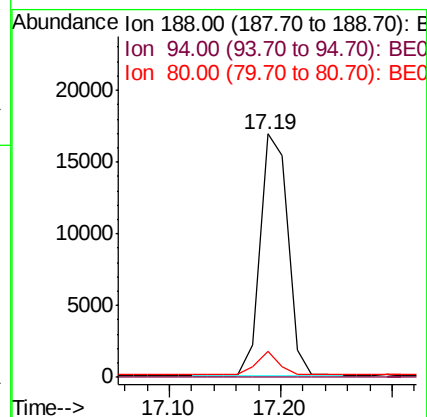
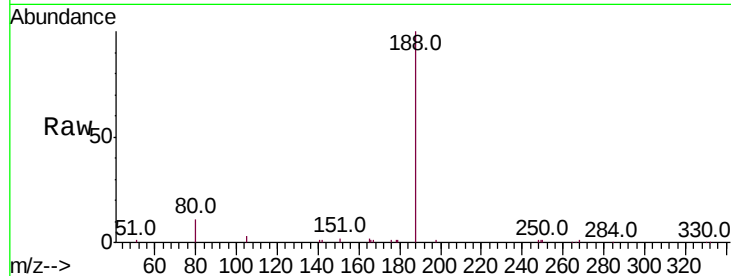
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

Instrument :
BNA_E
ClientSampleId :
PST-028-B006-042219

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	10.5	6.2	9.4

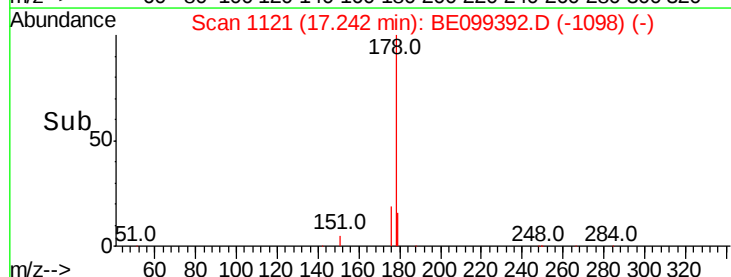
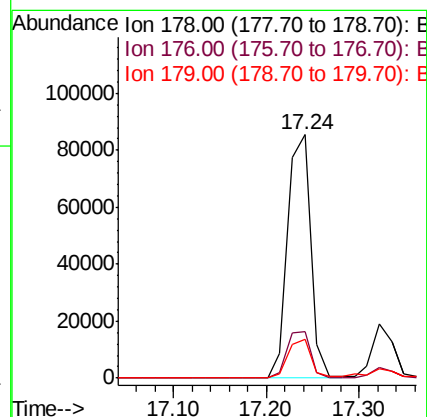
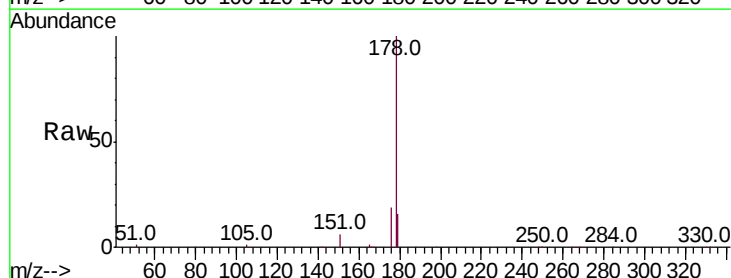
Manual Integrations
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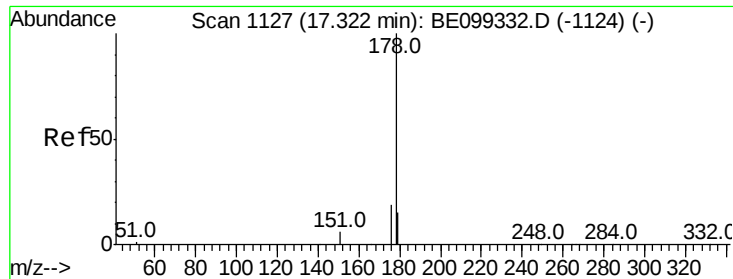
Sohil
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#23
Phenanthrene
Concen: 1.907 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.5	15.3	22.9
179	15.7	12.4	18.6





#24

Anthracene

Concen: 0.415 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099392.D

Acq: 27 Apr 2019 00:06

Instrument :

BNA_E

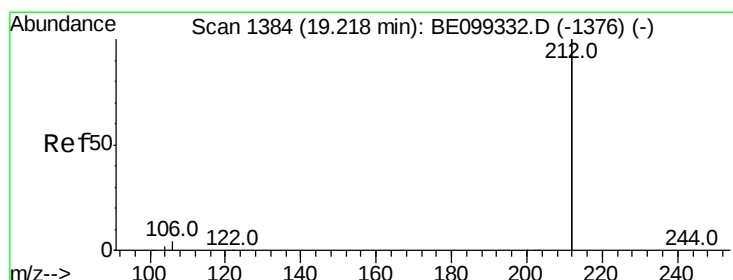
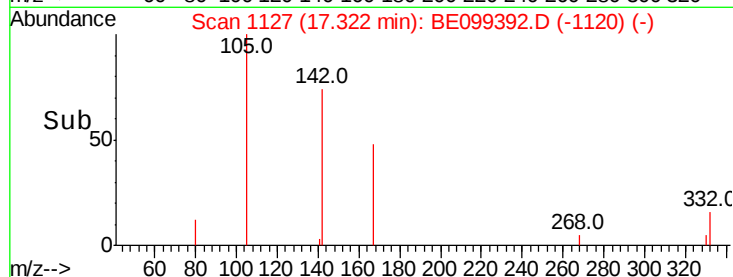
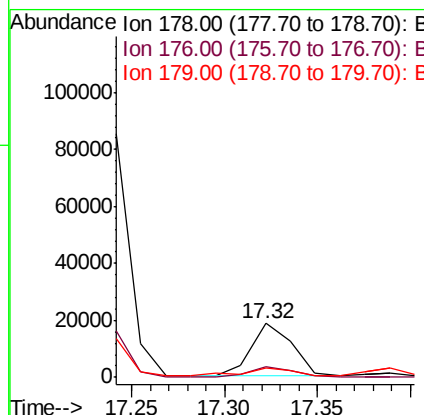
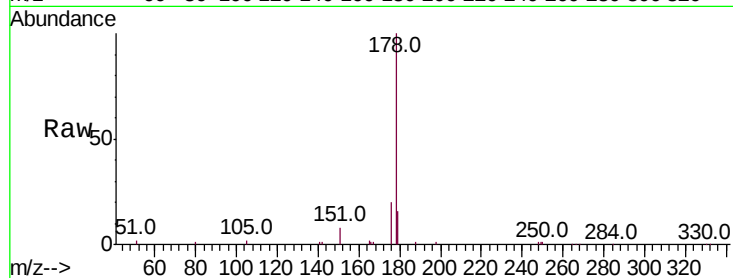
ClientSampleId :

PST-028-B006-042219

Tot Ion:178	Resp:	28694
Ion Ratio	Lower	Upper
178	100	
176	19.6	15.1 22.7
179	16.5	11.9 17.9

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#25

Fluoranthene-d10

Concen: 0.324 ng

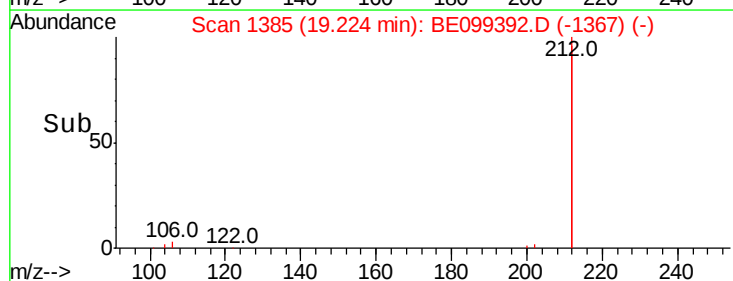
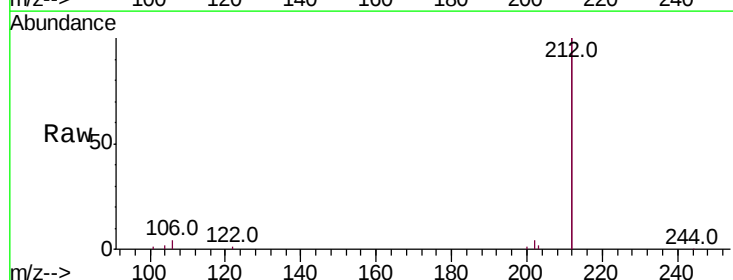
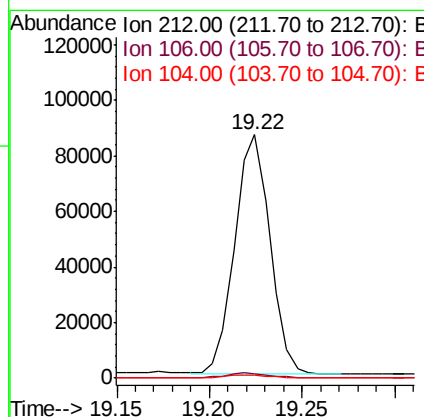
RT: 19.22 min Scan# 1385

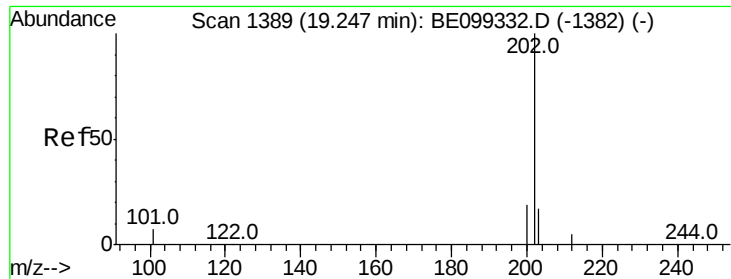
Delta R.T. 0.01 min

Lab File: BE099392.D

Acq: 27 Apr 2019 00:06

Tgt Ion:212	Resp:	114174
Ion Ratio	Lower	Upper
212	100	
106	1.8	1.8 2.6
104	1.2	1.0 1.4





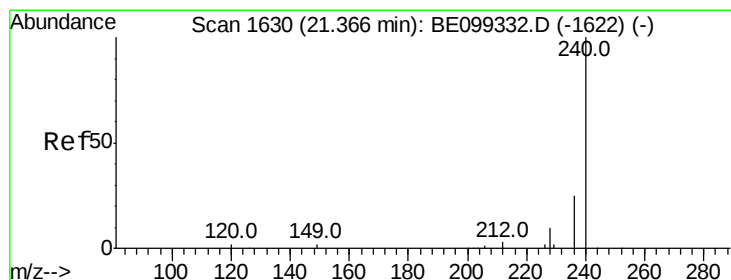
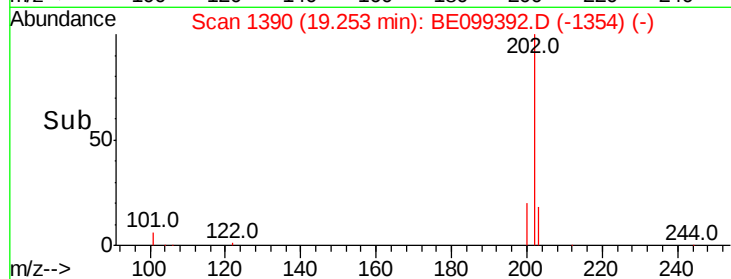
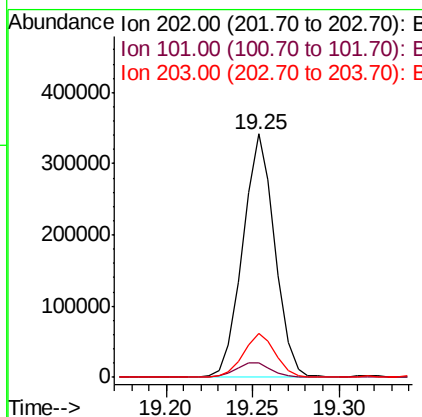
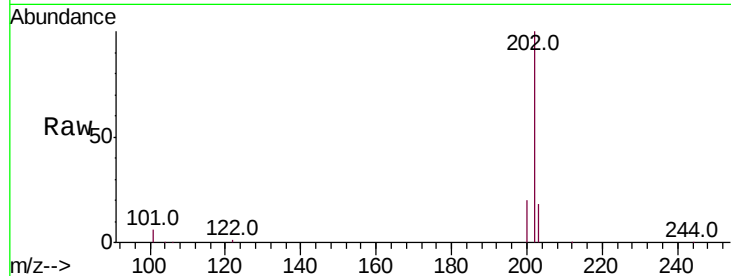
#26
Fluoranthene
 Concen: 4.225 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: BE099392.D
 Acq: 27 Apr 2019 00:06

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B006-042219

Tot Ion	Ratio	Resp	Lower	Upper
202	100	439105		
101	6.5		6.4	9.6
203	17.7		13.5	20.3

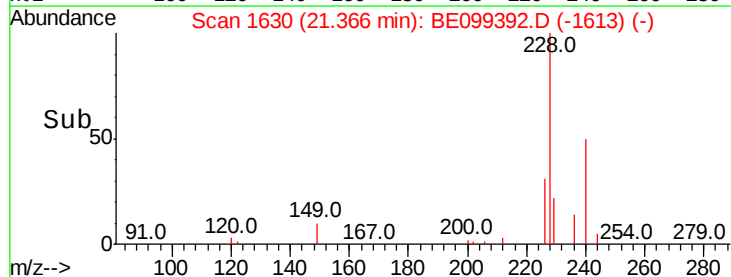
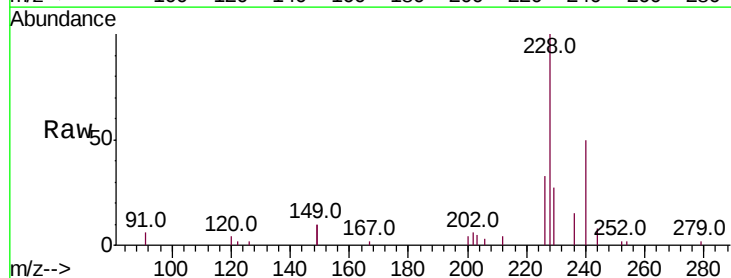
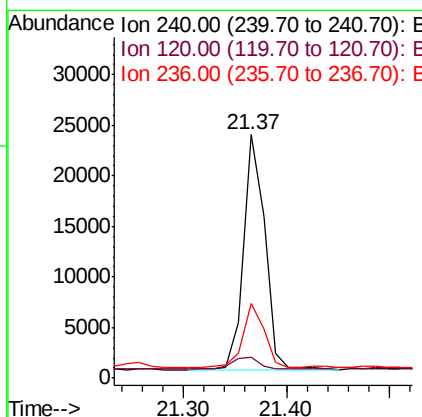
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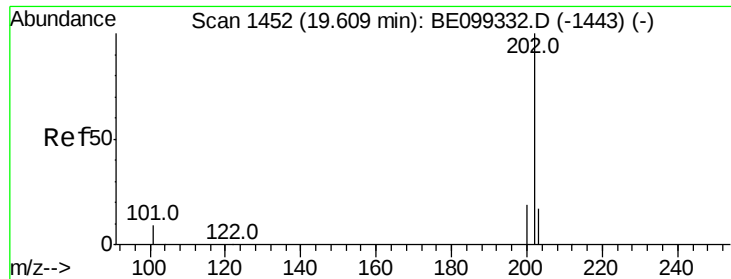
Sohil
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099392.D
 Acq: 27 Apr 2019 00:06

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	33720		
120	8.8		2.2	3.2#
236	30.6		20.2	30.4#





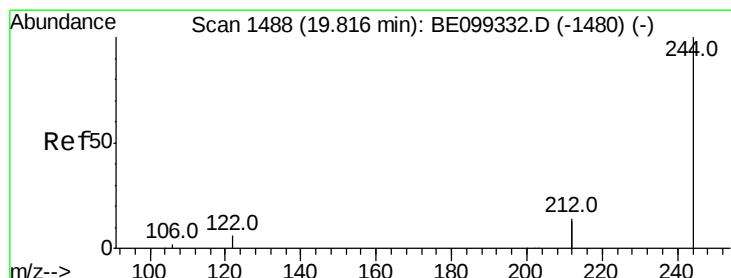
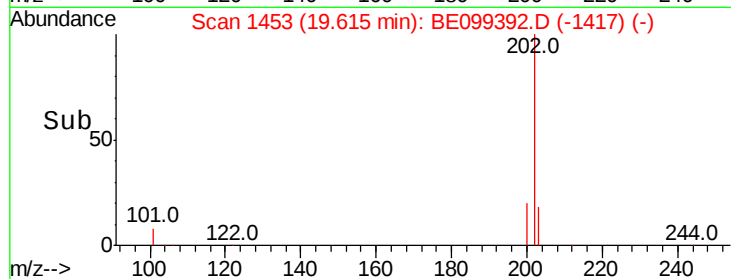
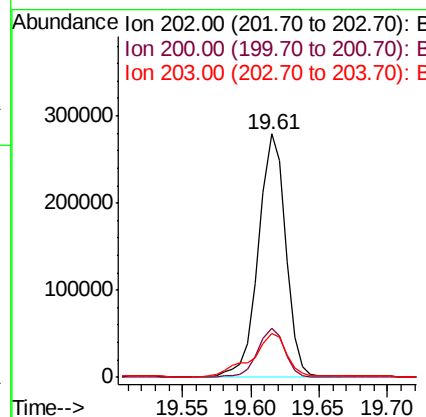
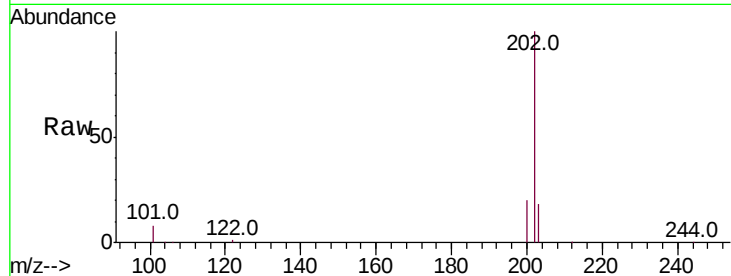
#28
Pvrene
Concen: 3.848 ng
RT: 19.61 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

Instrument :
BNA_E
ClientSampleId :
PST-028-B006-042219

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.0	15.7	23.5
203	22.5	13.7	20.5

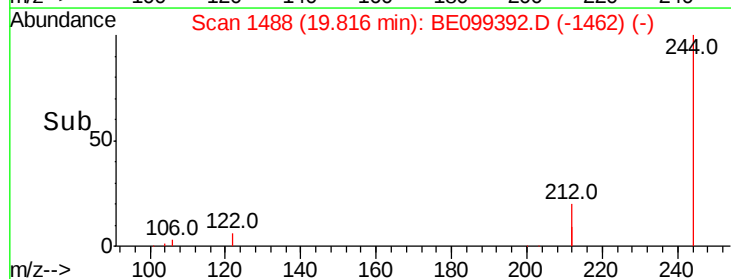
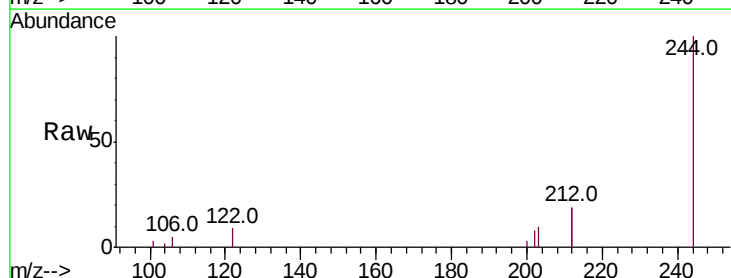
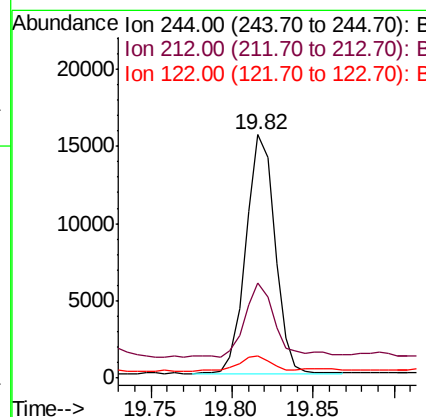
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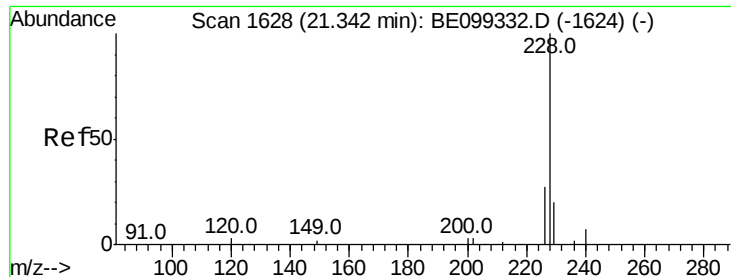
Sohil
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#29
Terphenyl-d14
Concen: 0.291 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	38.8	22.6	33.8
122	9.0	4.6	7.0





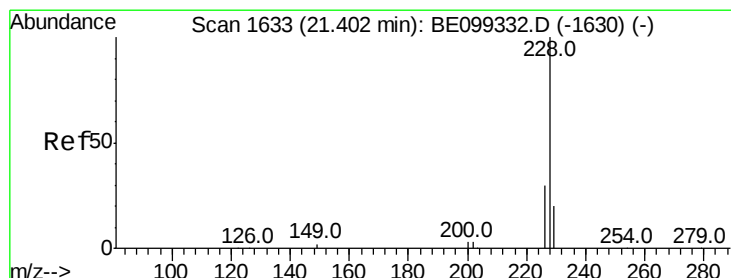
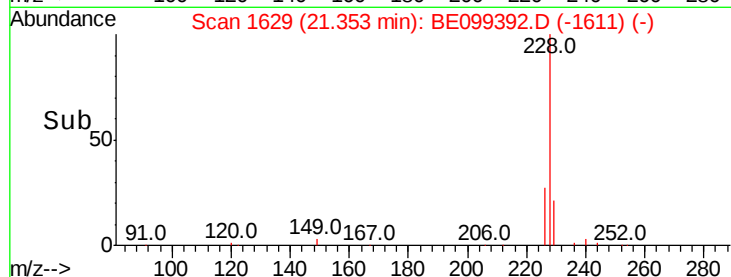
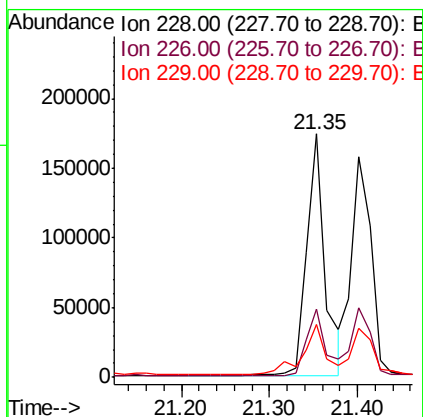
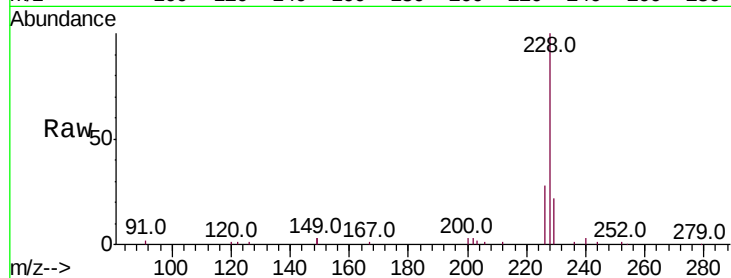
#30
Benzo(a)anthracene
Concen: 2.588 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

Instrument :
BNA_E
ClientSampleId :
PST-028-B006-042219

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.0	33.0
229	21.9	15.8	23.8

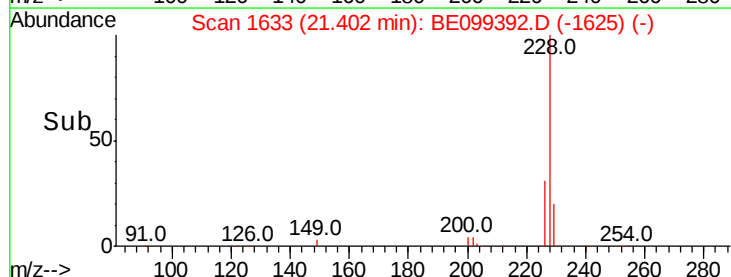
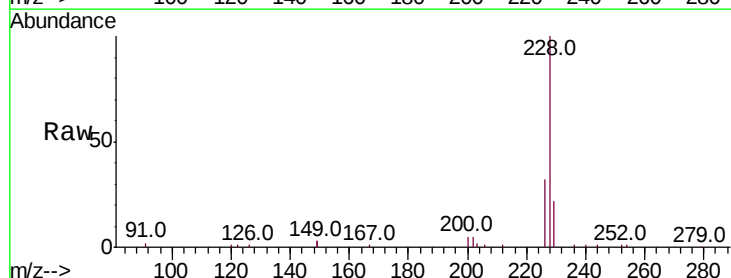
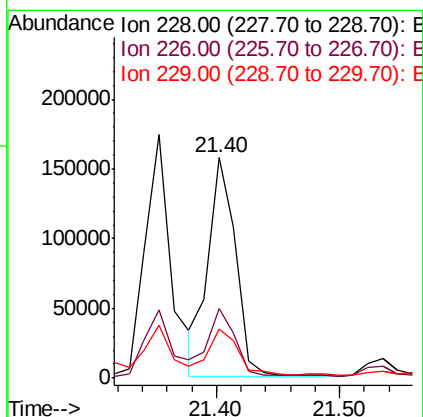
Manual Integrations
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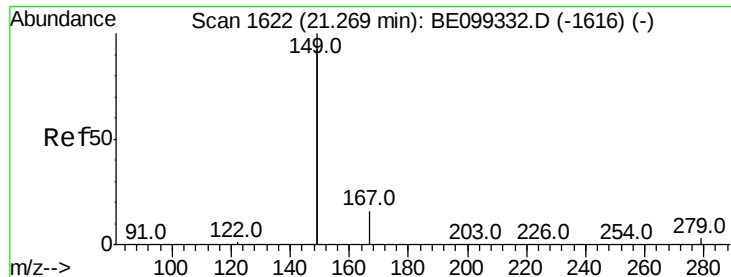
Sohil
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#31
Chrysene
Concen: 2.296 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.4	35.2
229	22.4	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.368 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE099392.D

Acq: 27 Apr 2019 00:06

Instrument :

BNA_E

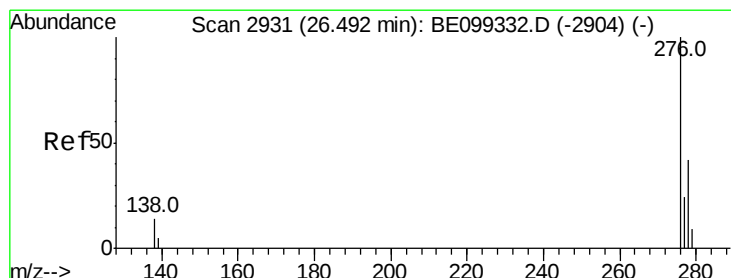
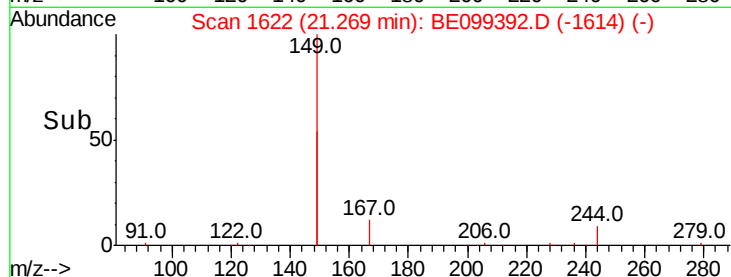
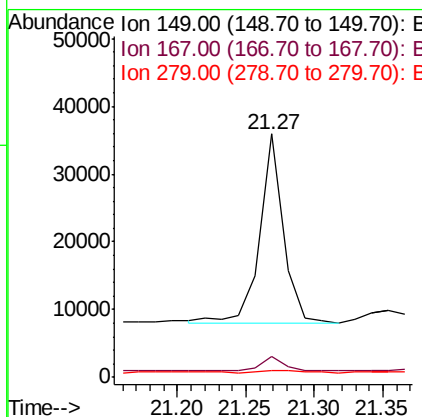
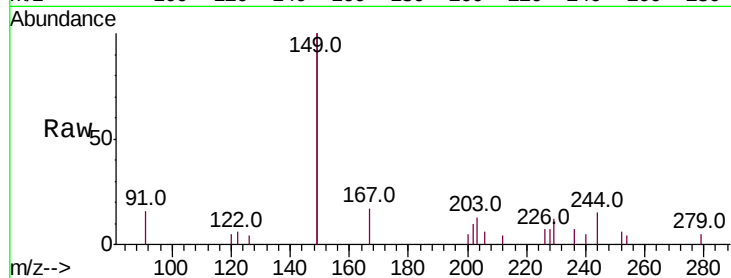
ClientSampleId :

PST-028-B006-042219

Tot Ion:	149	Resp:	33236
Ion Ratio	Lower	Upper	
149	100		
167	8.4	6.0	9.0
279	1.9	1.1	1.7#

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.984 ng

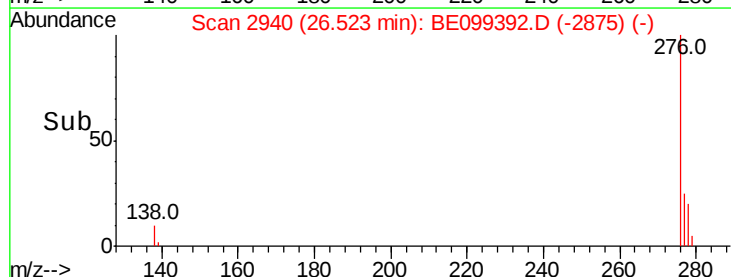
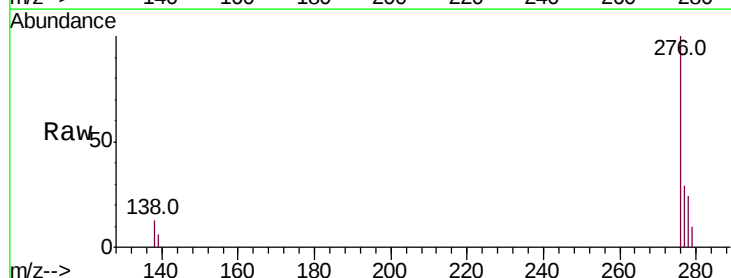
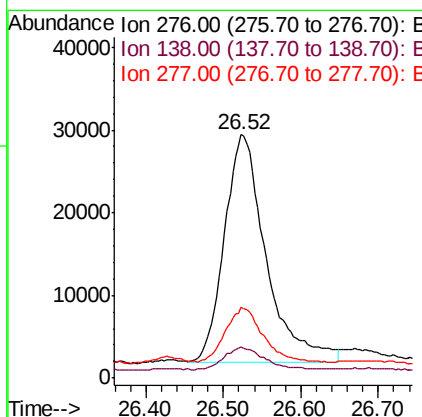
RT: 26.52 min Scan# 2940

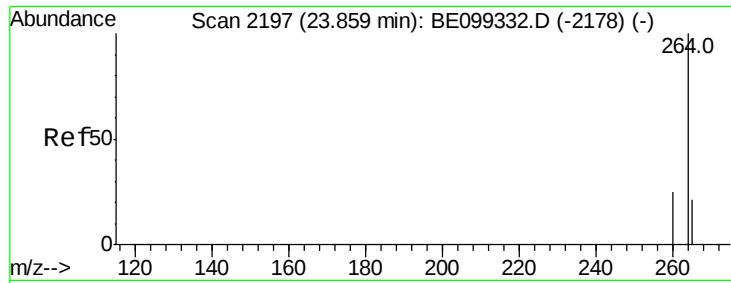
Delta R.T. 0.03 min

Lab File: BE099392.D

Acq: 27 Apr 2019 00:06

Tgt Ion:	276	Resp:	102516
Ion Ratio	Lower	Upper	
276	100		
138	9.4	12.7	19.1#
277	21.8	19.6	29.4





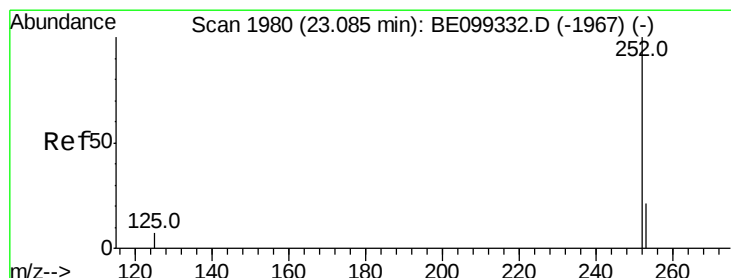
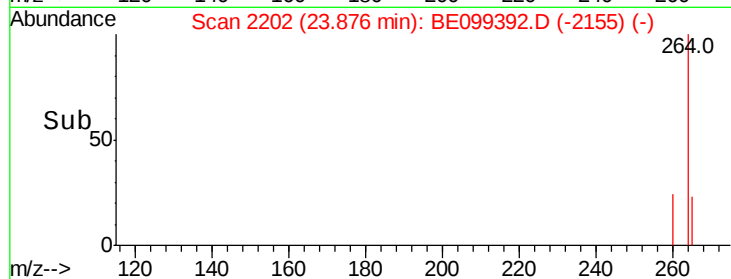
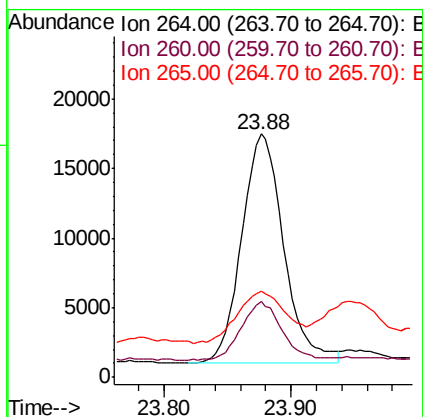
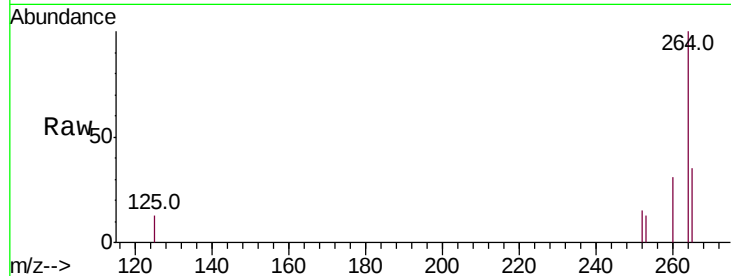
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2202
Delta R.T. 0.02 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

Instrument :
BNA_E
ClientSampleId :
PST-028-B006-042219

Tot Ion	Ratio	Lower	Upper
264	100		
260	31.0	20.1	30.1
265	35.4	19.9	29.9

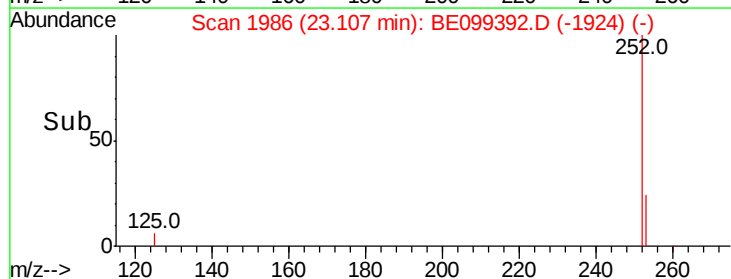
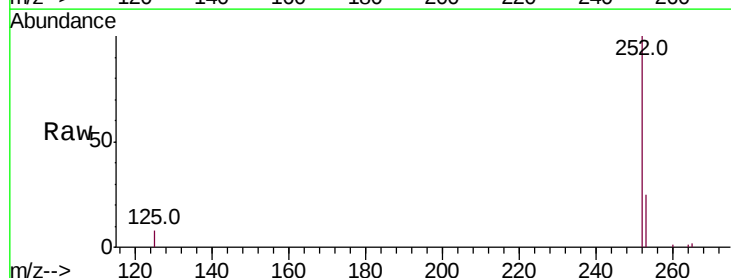
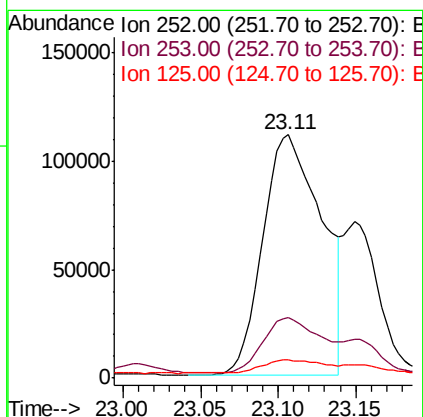
Manual Integrations
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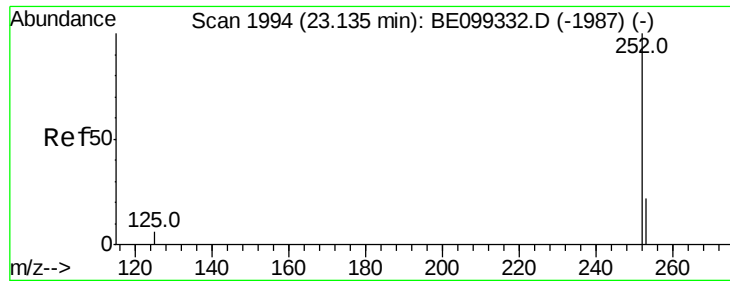
Sohil
4/29/2019 1:31:54 PM



#35
Benzo(b)fluoranthene
Concen: 2.497 ng
RT: 23.11 min Scan# 1986
Delta R.T. 0.02 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.3	25.9
125	7.6	5.8	8.6





#36

Benzo(k)fluoranthene

Concen: 1.010 ng

RT: 23.15 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BE099392.D

Acq: 27 Apr 2019 00:06

Instrument :

BNA_E

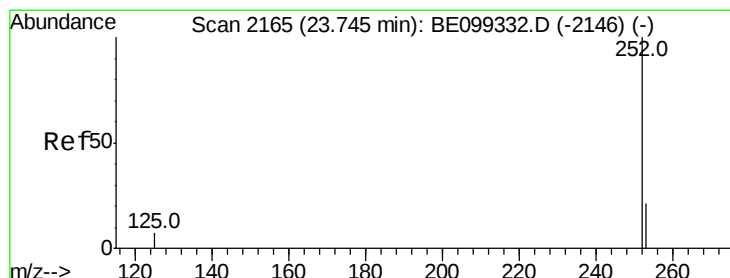
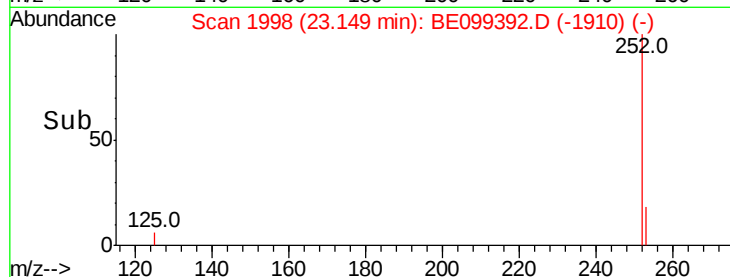
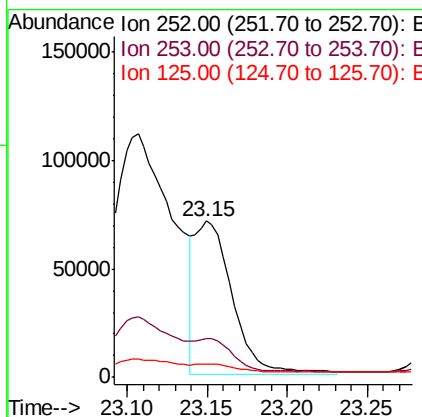
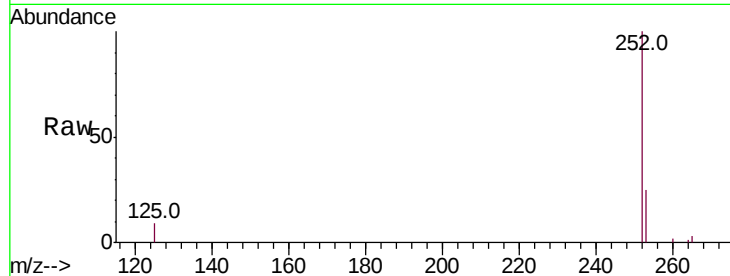
ClientSampleId :

PST-028-B006-042219

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.4	27.6
125	8.6	5.4	8.0

Manual Integrations
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4/29/2019 1:31:54 PM



#37

Benzo(a)pyrene

Concen: 1.845 ng

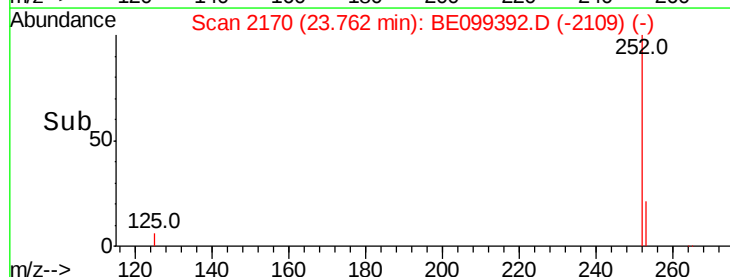
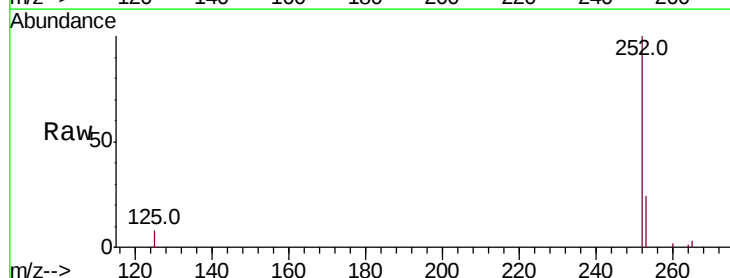
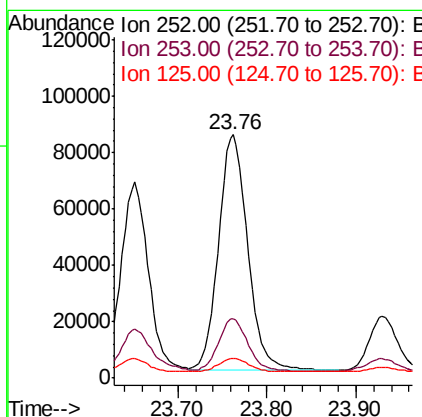
RT: 23.76 min Scan# 2170

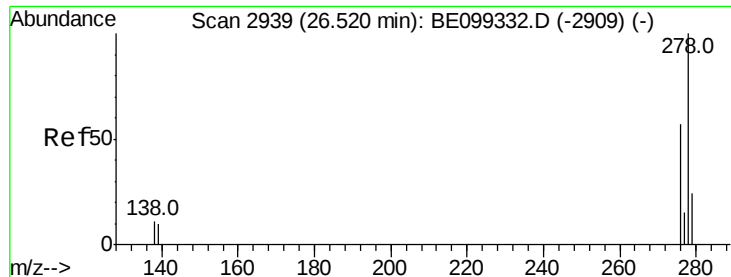
Delta R.T. 0.02 min

Lab File: BE099392.D

Acq: 27 Apr 2019 00:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.6	26.4
125	8.2	6.5	9.7





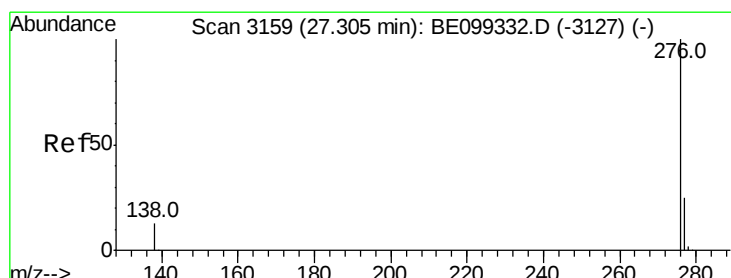
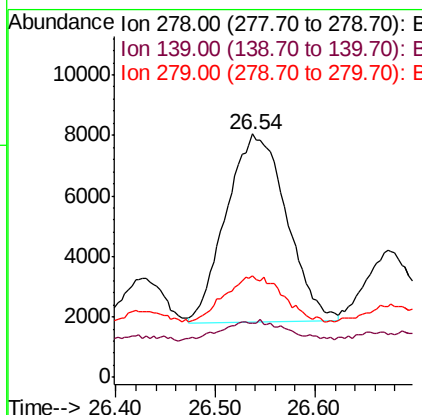
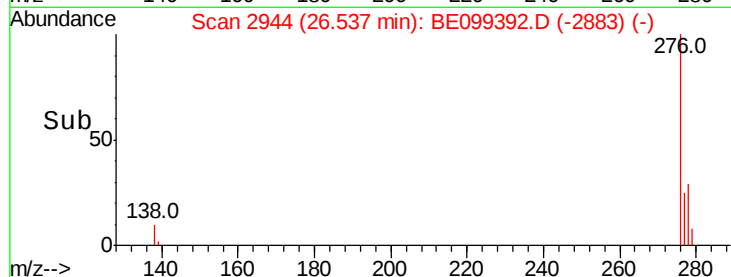
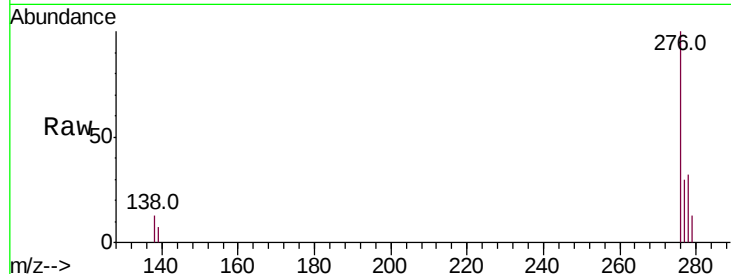
#38
Dibenzo(a,h)anthracene
Concen: 0.245 ng
RT: 26.54 min Scan# 2944
Delta R.T. 0.02 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

Instrument :
BNA_E
ClientSampleId :
PST-028-B006-042219

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.0	8.5	12.7#
279	41.6	19.8	29.8#

Manual Integrations
APPROVED

Sohil
4/29/2019 1:31:54 PM



#39
Benzo(g,h,i)perylene
Concen: 0.873 ng
RT: 27.35 min Scan# 3171
Delta R.T. 0.04 min
Lab File: BE099392.D
Acq: 27 Apr 2019 00:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.3	20.0	30.0
138	12.9	11.1	16.7

