

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099402.D
 Acq On : 27 Apr 2019 6:07
 Operator : JU/SJ
 Sample : K2533-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B001-042219

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:32:33 PM

Quant Time: Apr 29 01:49:07 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	3456	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	14210	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	10649	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	29021	0.40	ng	0.01
27) Chrysene-d12	21.36	240	31998	0.40	ng	0.00
34) Perylene-d12	23.88	264	35863	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	3708	0.44	ng	0.01
5) Phenol-d6	6.98	99	5377	0.45	ng	0.00
8) Nitrobenzene-d5	8.98	82	4912	0.45	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	8888	0.35	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2294	0.65	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	12897	0.31	ng	0.00
25) Fluoranthene-d10	19.23	212	113359	0.33	ng	0.00
29) Terphenyl-d14	19.82	244	19086	0.30	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.24	178	16610	0.216	ng	99
24) Anthracene	17.32	178	4389	0.064	ng	# 95
26) Fluoranthene	19.25	202	51623	0.502	ng	98
28) Pyrene	19.62	202	47269	0.501	ng	# 94
30) Benzo(a)anthracene	21.35	228	32740	0.348	ng	96
31) Chrysene	21.40	228	25278	0.252	ng	94
32) Bis(2-ethylhexyl)phthalate	21.27	149	4300824	50.246	ng	100
33) Indeno(1,2,3-cd)pyrene	26.52	276	10581	0.107	ng	# 86
35) Benzo(b)fluoranthene	23.11	252	28425	0.259	ng	# 84
36) Benzo(k)fluoranthene	23.15	252	11804m	0.108	ng	
37) Benzo(a)pyrene	23.76	252	22262	0.226	ng	# 86
38) Dibenzo(a,h)anthracene	26.54	278	2963	0.029	ng	# 20
39) Benzo(a,h,i)perylene	27.35	276	9572	0.094	ng	# 84

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

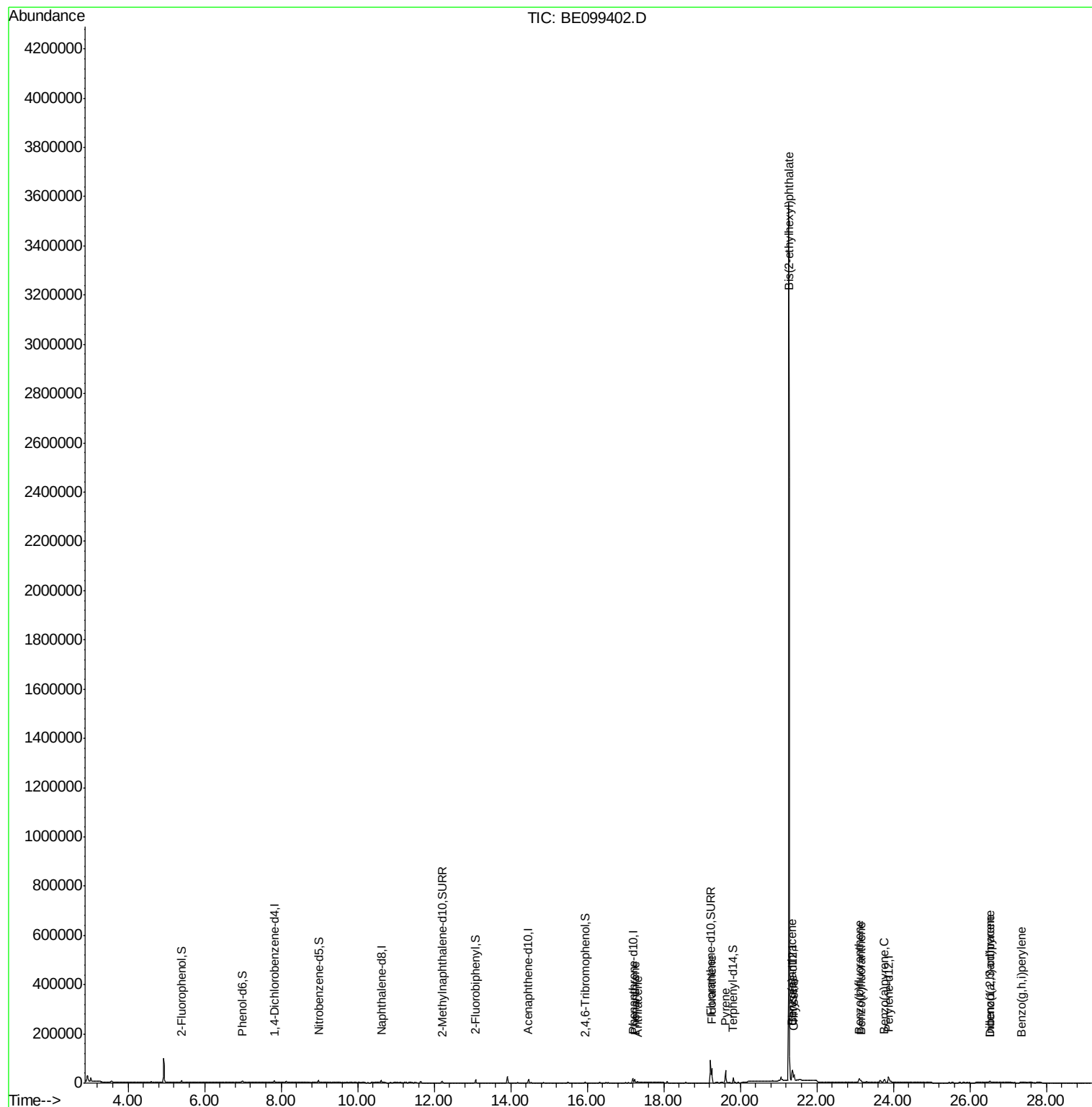
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
Data File : BE099402.D
Acq On : 27 Apr 2019 6:07
Operator : JU/SJ
Sample : K2533-01
Misc :
ALS Vial : 32 Sample Multiplier: 1

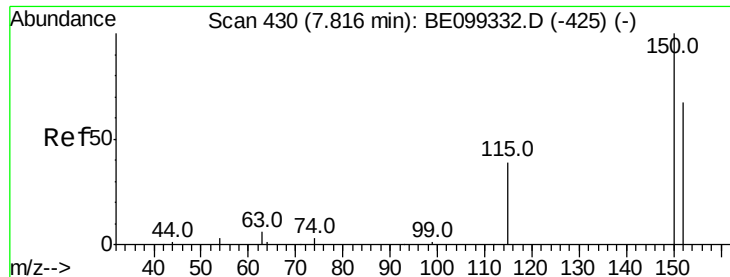
Instrument :
BNA_E
ClientSampleId :
PST-028-B001-042219

Manual Integrations
APPROVED

Sohil
4/29/2019 1:32:33 PM

Quant Time: Apr 29 01:49:07 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: BE099402.D

Acq: 27 Apr 2019 6:07

Instrument :

BNA_E

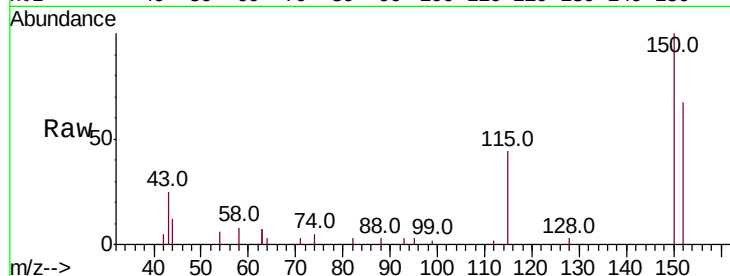
ClientSampleId :

PST-028-B001-042219

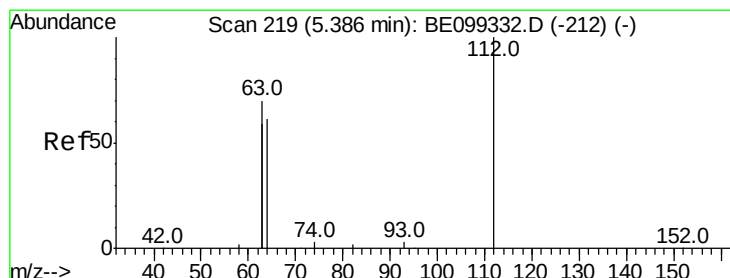
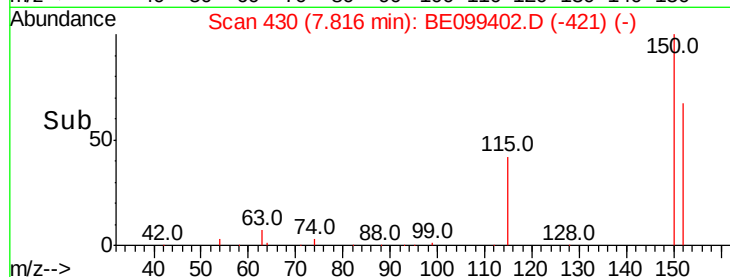
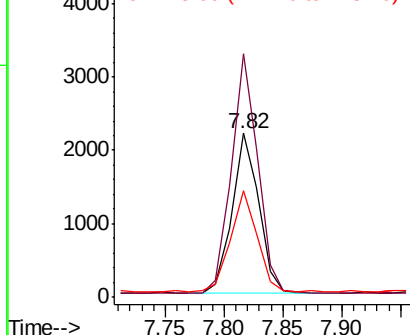
Tot Ion:	152	Resp:	3456
Ion	Ratio	Lower	Upper
152	100		
150	148.6	119.5	179.3
115	65.4	47.5	71.3

Manual Integrations
APPROVED

Sohil
4/29/2019 1:32:33 PM



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: 0.439 ng

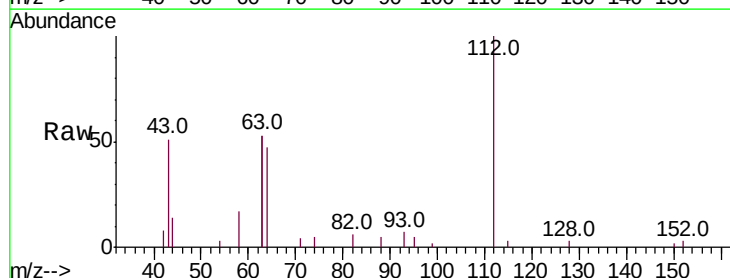
RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

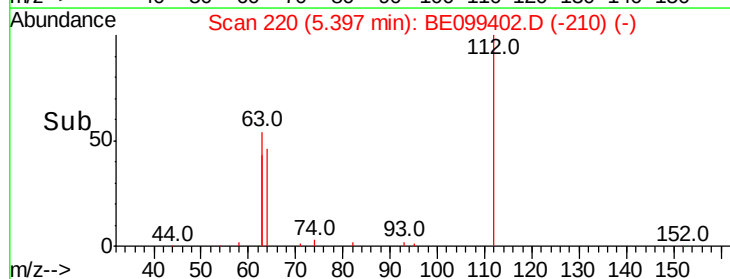
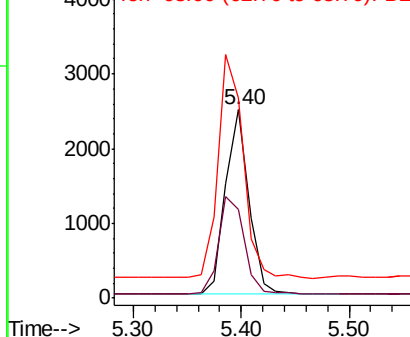
Lab File: BE099402.D

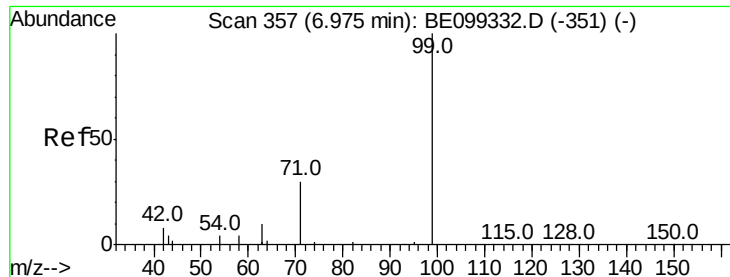
Acq: 27 Apr 2019 6:07

Tgt Ion:	112	Resp:	3708
Ion	Ratio	Lower	Upper
112	100		
64	58.6	44.9	67.3
63	130.8	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: 0.446 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099402.D

Acq: 27 Apr 2019 6:07

Instrument :

BNA_E

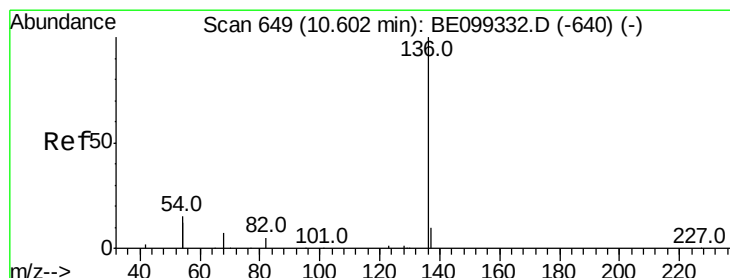
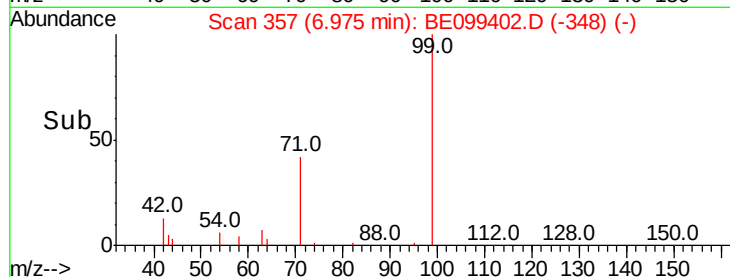
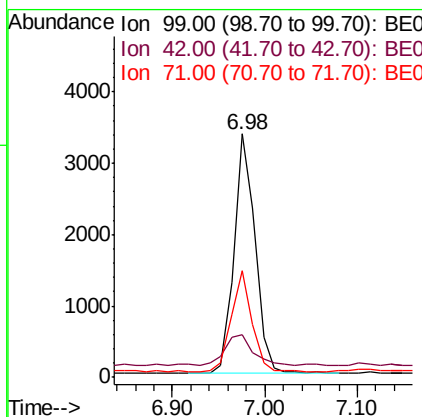
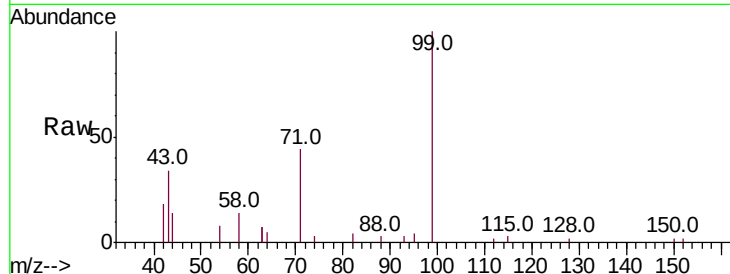
ClientSampleId :

PST-028-B001-042219

Tot Ion:	99	Resp:	5377
Ion Ratio	Lower	Upper	
99	100		
42	18.4	11.7	17.5#
71	41.4	29.6	44.4

Manual Integrations
APPROVED

Sohil
4/29/2019 1:32:33 PM



#7

Naphthalene-d8

Concen: 0.400 ng

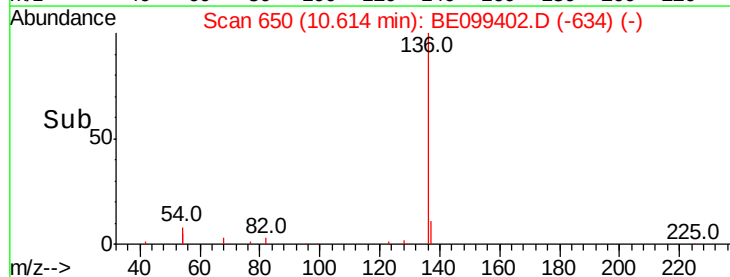
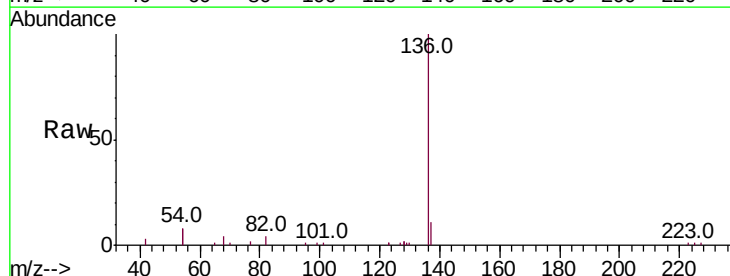
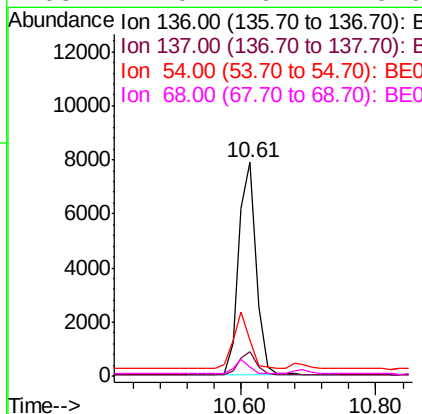
RT: 10.61 min Scan# 650

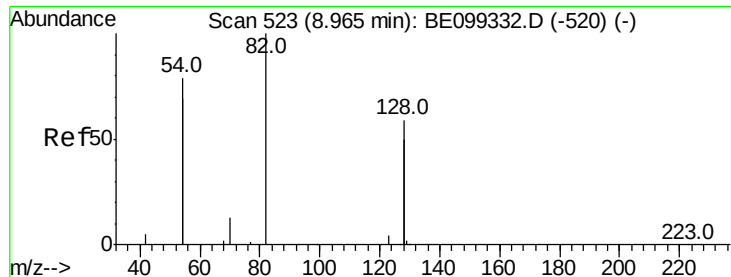
Delta R.T. 0.01 min

Lab File: BE099402.D

Acq: 27 Apr 2019 6:07

Tgt Ion:	136	Resp:	14210
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	16.7	23.8	35.8#
68	4.0	6.4	9.6#





#8

Nitrobenzene-d5

Concen: 0.445 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099402.D

Acq: 27 Apr 2019 6:07

Instrument :

BNA_E

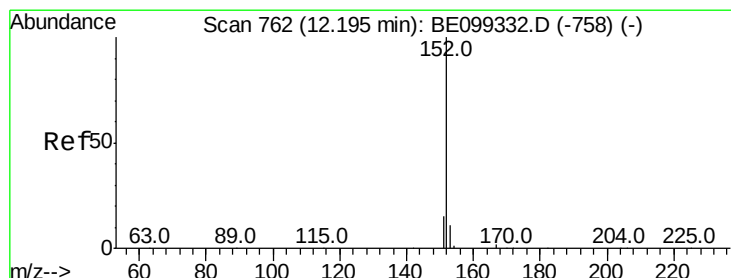
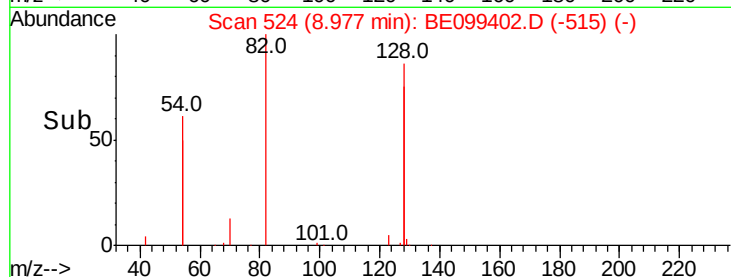
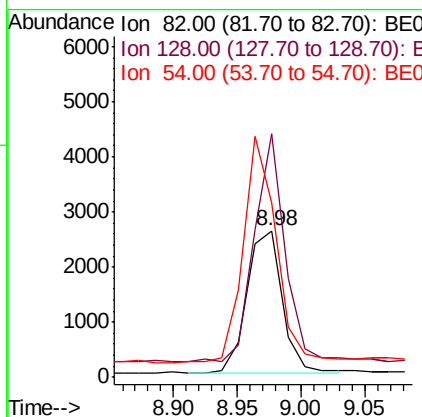
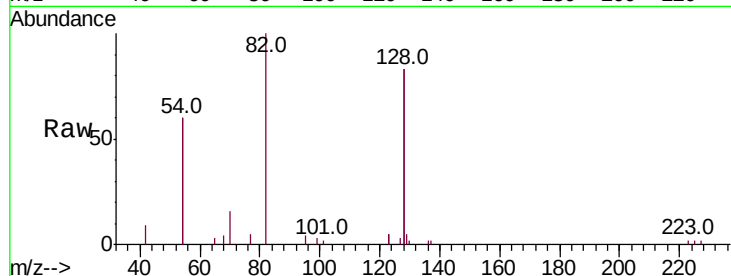
ClientSampleId :

PST-028-B001-042219

Tot Ion	82	Resp	4912
Ion	Ratio	Lower	Upper
82	100		
128	166.3	91.7	137.5#
54	119.4	122.8	184.2#

Manual Integrations
APPROVED

Sohil
4/29/2019 1:32:33 PM



#11

2-Methylnaphthalene-d10

Concen: 0.354 ng

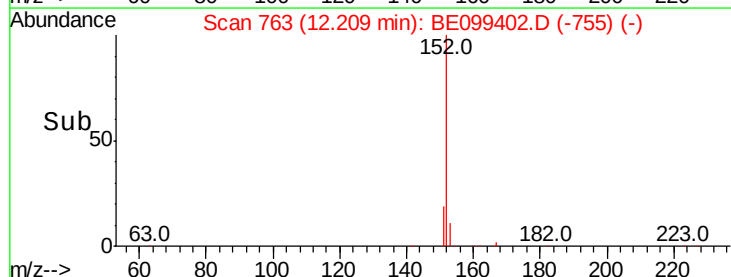
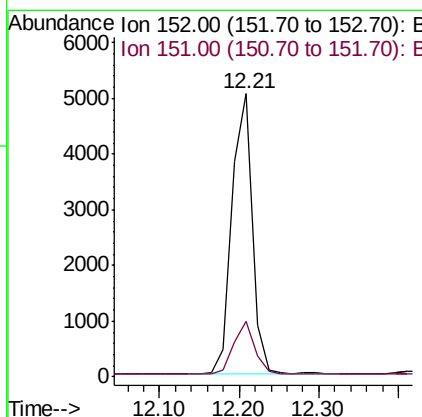
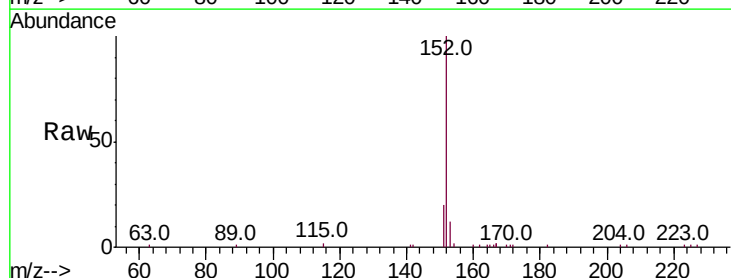
RT: 12.21 min Scan# 763

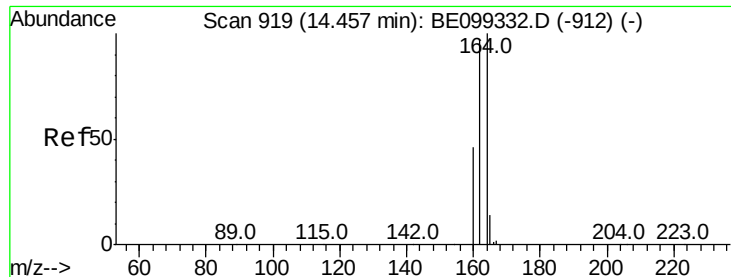
Delta R.T. 0.01 min

Lab File: BE099402.D

Acq: 27 Apr 2019 6:07

Tgt Ion	152	Resp	8888
Ion	Ratio	Lower	Upper
152	100		
151	19.8	14.9	22.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099402.D

Acq: 27 Apr 2019 6:07

Instrument :

BNA_E

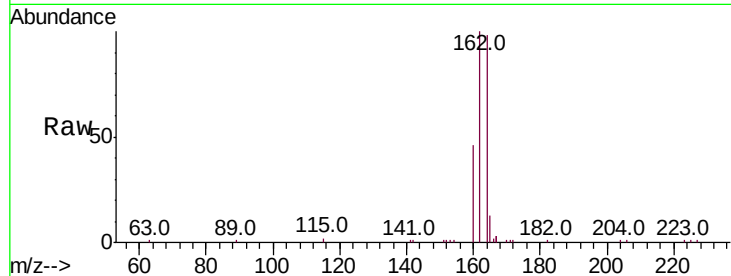
ClientSampleId :

PST-028-B001-042219

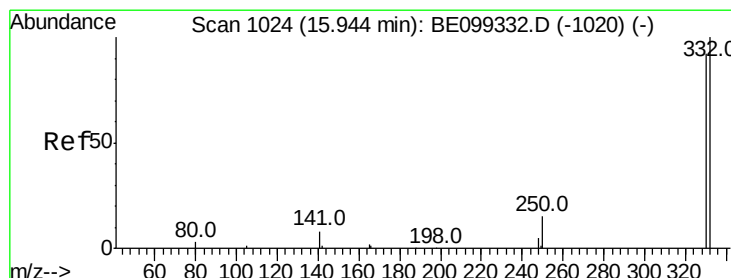
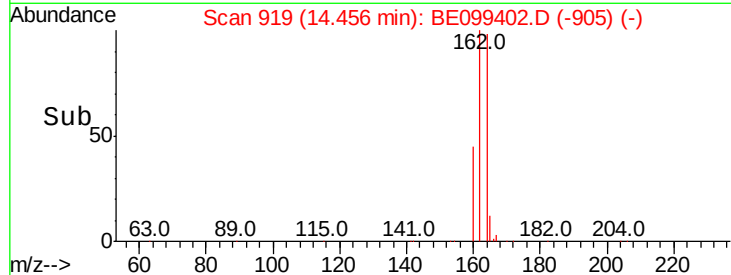
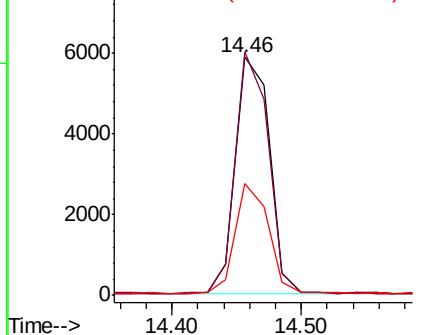
Tot Ion:164	Resp:	10649
Ion Ratio	Lower	Upper
164	100	
162	102.3	77.8 116.6
160	46.8	37.1 55.7

Manual Integrations
APPROVED

Sohil
4/29/2019 1:32:33 PM



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: 0.649 ng

RT: 15.94 min Scan# 1024

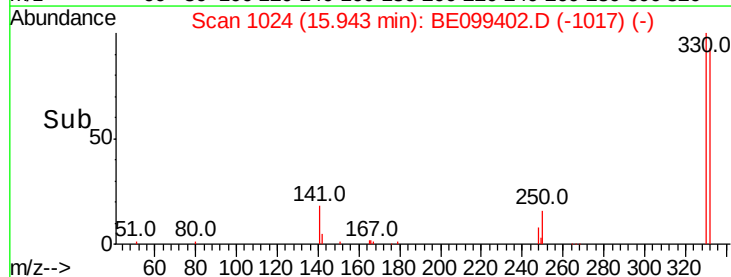
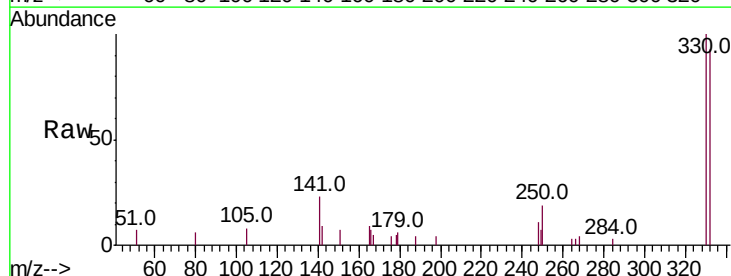
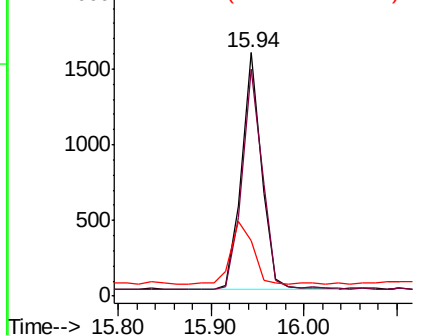
Delta R.T. -0.00 min

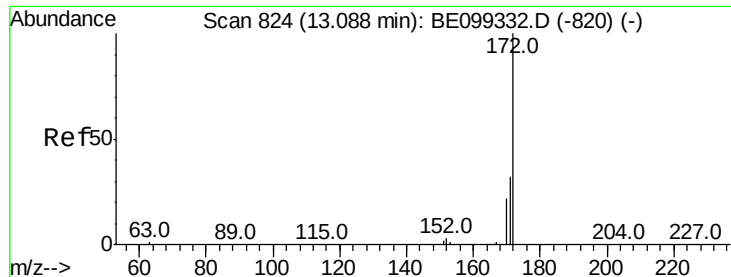
Lab File: BE099402.D

Acq: 27 Apr 2019 6:07

Tgt Ion:330	Resp:	2294
Ion Ratio	Lower	Upper
330	100	
332	95.2	82.5 123.7
141	29.6	24.9 37.3

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





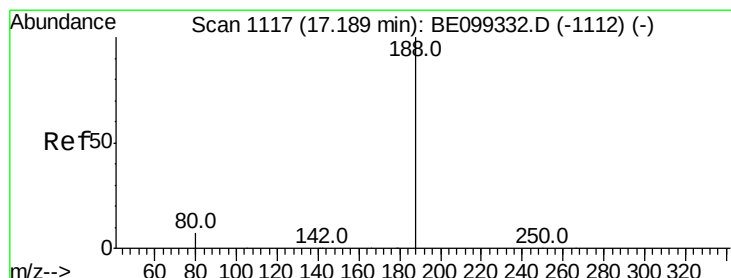
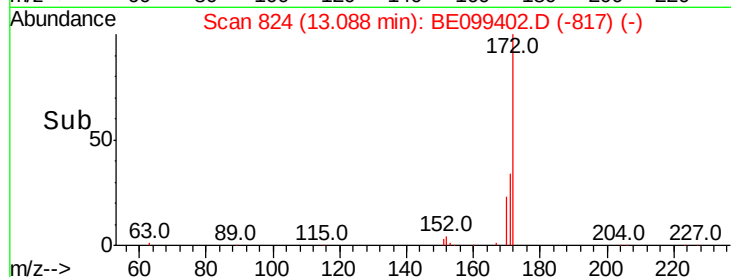
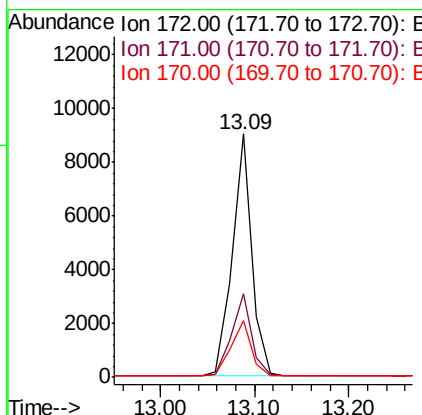
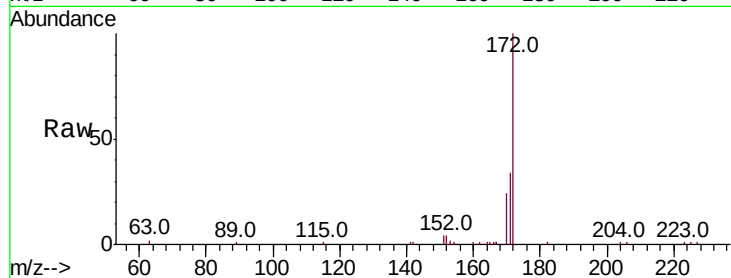
#15
2-Fluorobiphenyl
Concen: 0.308 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099402.D
Acq: 27 Apr 2019 6:07

Instrument :
BNA_E
ClientSampleId :
PST-028-B001-042219

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	26.2	39.2
170	23.6	18.1	27.1

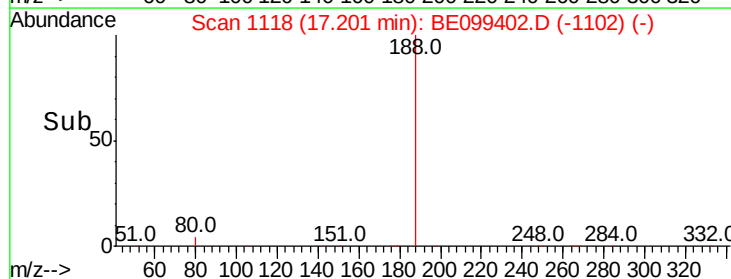
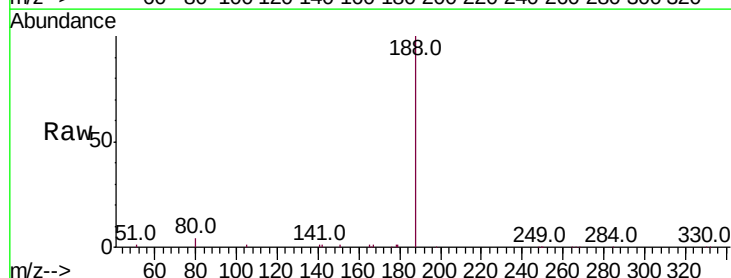
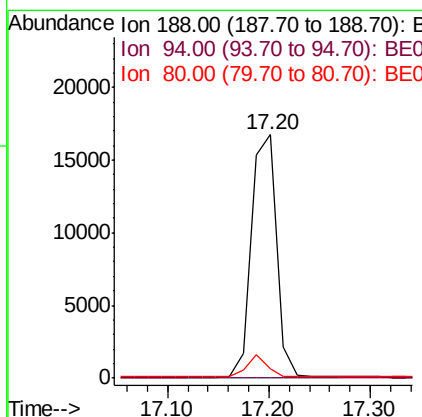
Manual Integrations
APPROVED

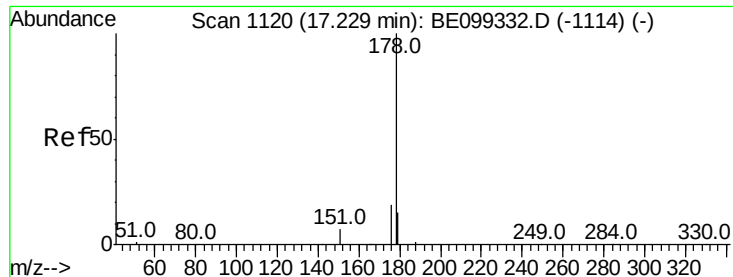
Sohil
4/29/2019 1:32:33 PM



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BE099402.D
Acq: 27 Apr 2019 6:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	4.1	6.2	9.4#





#23

Phenanthrene

Concen: 0.216 ng

RT: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE099402.D

Acq: 27 Apr 2019 6:07

Instrument :

BNA_E

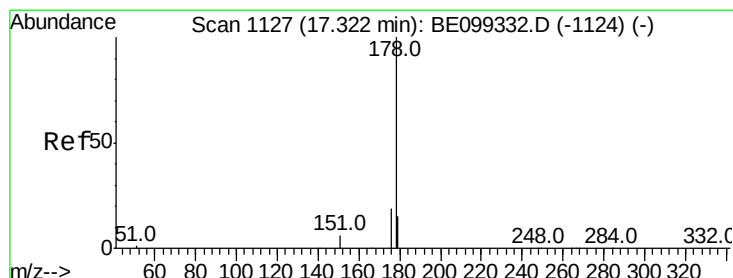
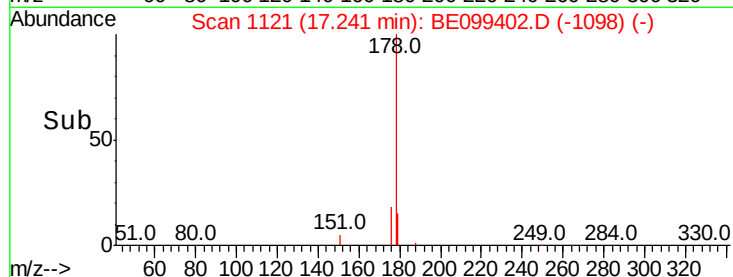
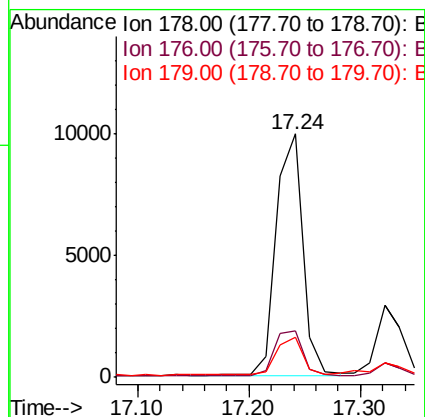
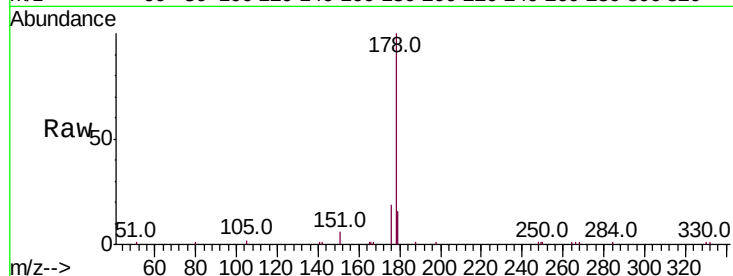
ClientSampleId :

PST-028-B001-042219

Tot Ion:178	Resp:	16610
Ion Ratio	Lower	Upper
178	100	
176	19.8	15.3 22.9
179	15.7	12.4 18.6

Manual Integrations
APPROVED

Sohil
4/29/2019 1:32:33 PM



#24

Anthracene

Concen: 0.064 ng

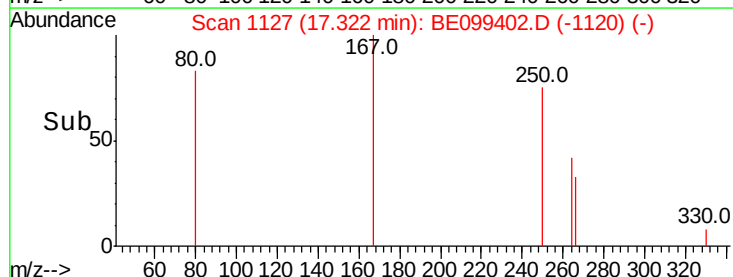
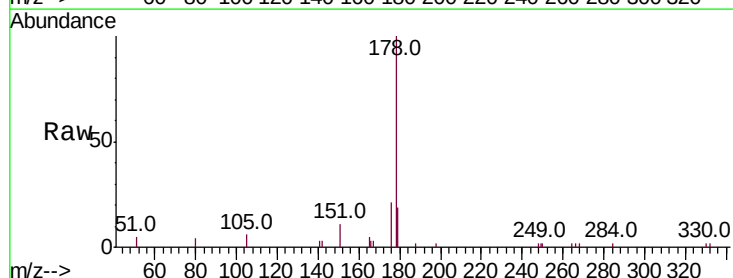
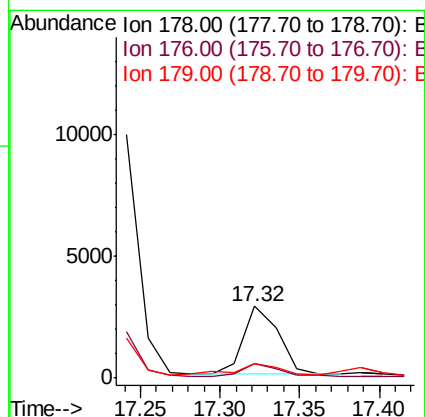
RT: 17.32 min Scan# 1127

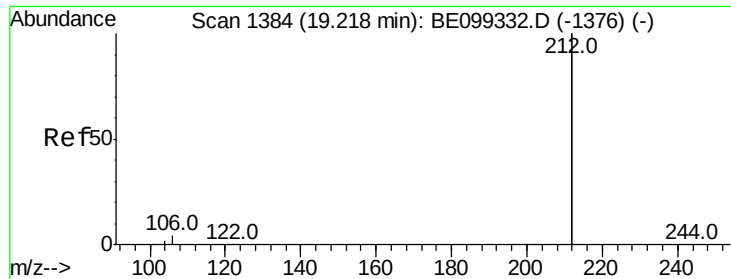
Delta R.T. -0.00 min

Lab File: BE099402.D

Acq: 27 Apr 2019 6:07

Tgt Ion:178	Resp:	4389
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.1 22.7
179	19.0	11.9 17.9#





#25

Fluoranthene-d10

Concen: 0.325 ng

RT: 19.23 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BE099402.D

Acq: 27 Apr 2019 6:07

Instrument :

BNA_E

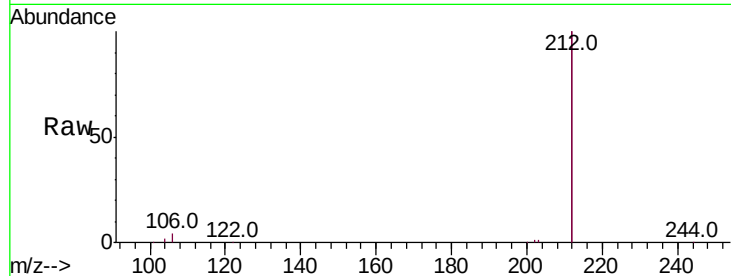
ClientSampleId :

PST-028-B001-042219

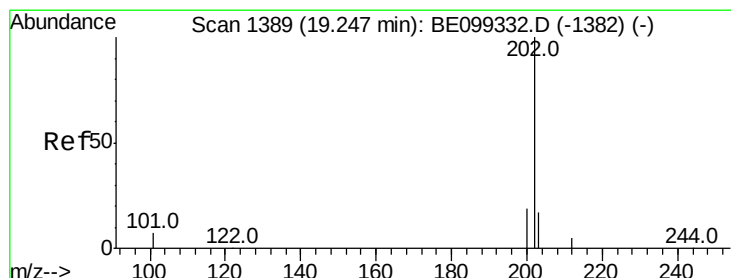
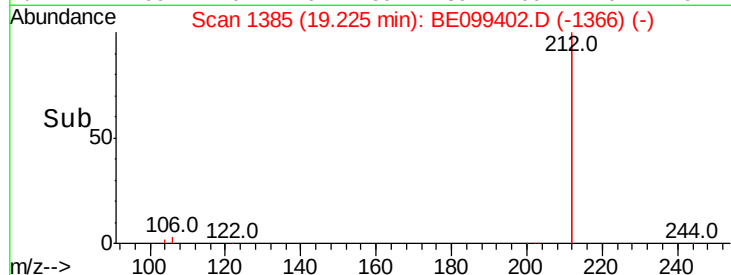
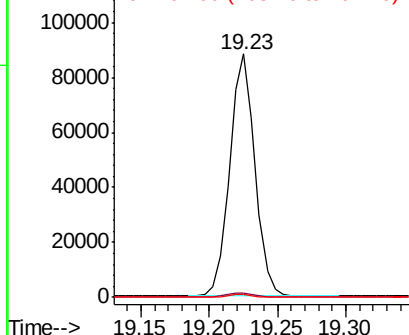
Tot Ion:	212	Resp:	113359
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.8	2.6
104	1.2	1.0	1.4

Manual Integrations
APPROVED

Sohil
4/29/2019 1:32:33 PM



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.502 ng

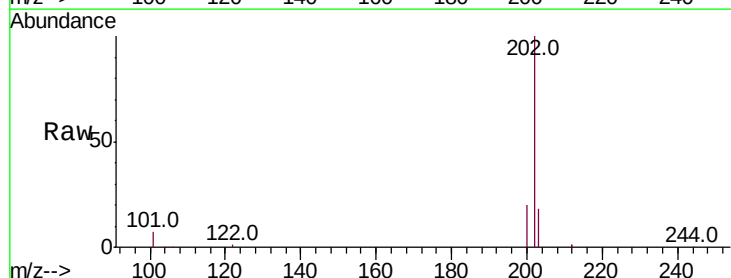
RT: 19.25 min Scan# 1390

Delta R.T. 0.01 min

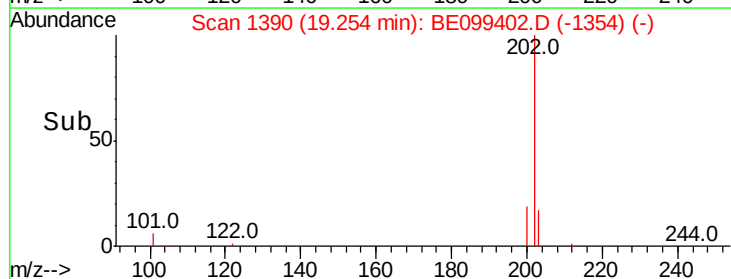
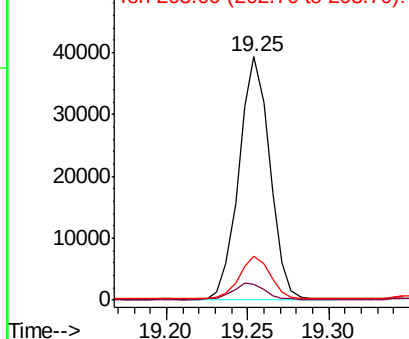
Lab File: BE099402.D

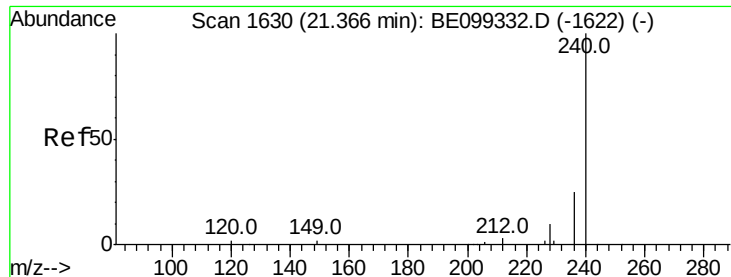
Acq: 27 Apr 2019 6:07

Tgt Ion:	202	Resp:	51623
Ion Ratio	Lower	Upper	
202	100		
101	6.8	6.4	9.6
203	17.4	13.5	20.3



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





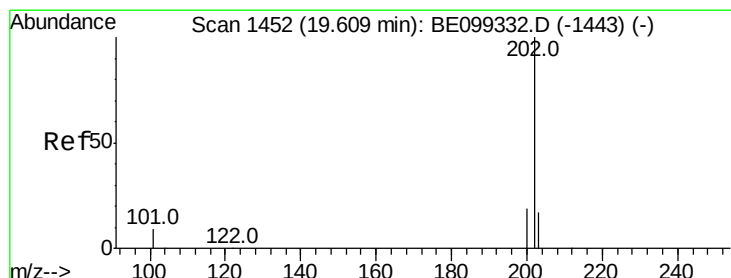
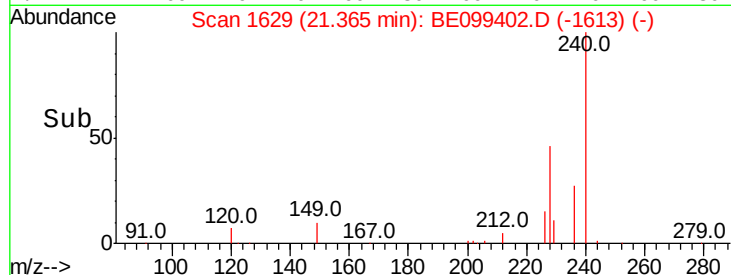
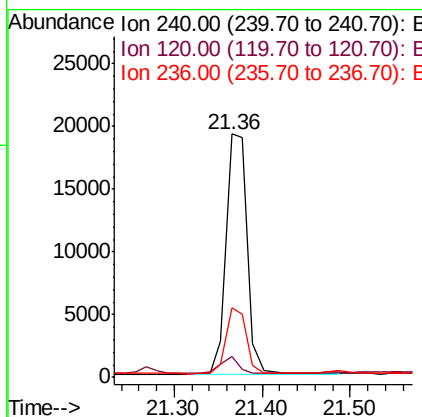
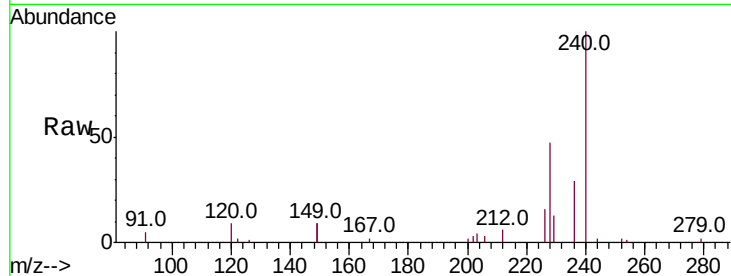
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.36 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099402.D
Acq: 27 Apr 2019 6:07

Instrument :
BNA_E
ClientSampleId :
PST-028-B001-042219

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	2.2	3.2#
236	28.5	20.2	30.4

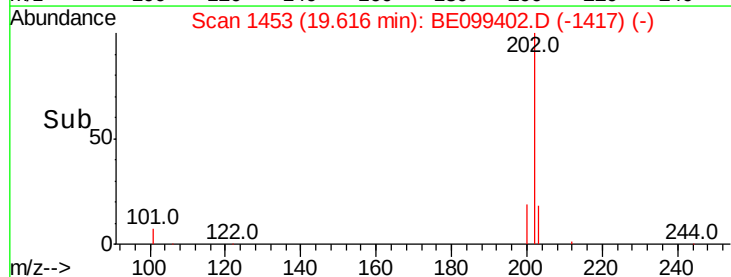
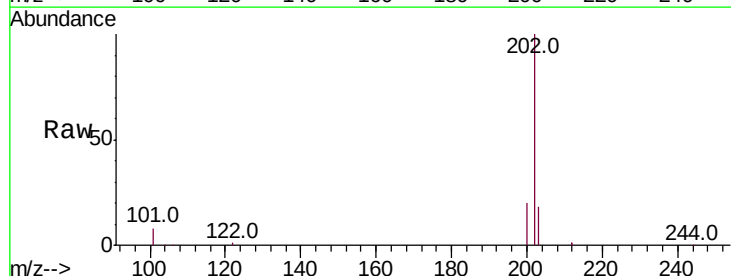
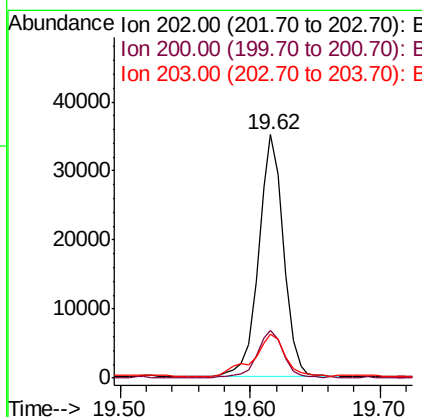
Manual Integrations
APPROVED

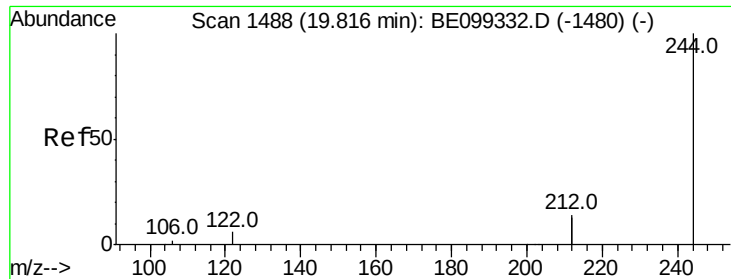
Sohil
4/29/2019 1:32:33 PM



#28
Pyrene
Concen: 0.501 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE099402.D
Acq: 27 Apr 2019 6:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	22.0	13.7	20.5#





#29

Terphenyl-d14

Concen: 0.303 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099402.D

Acq: 27 Apr 2019 6:07

Instrument :

BNA_E

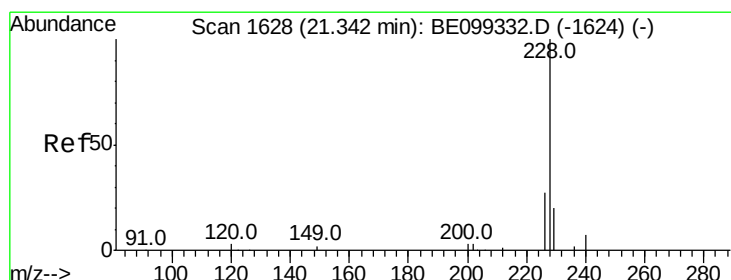
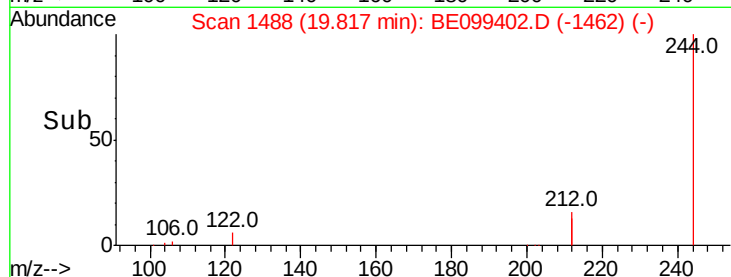
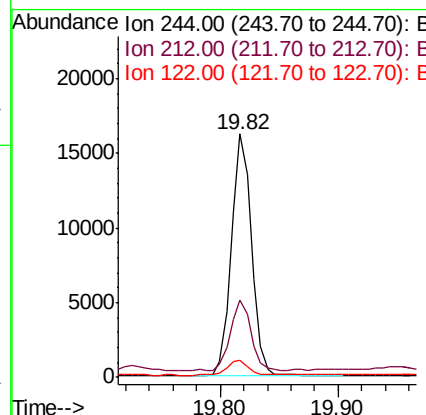
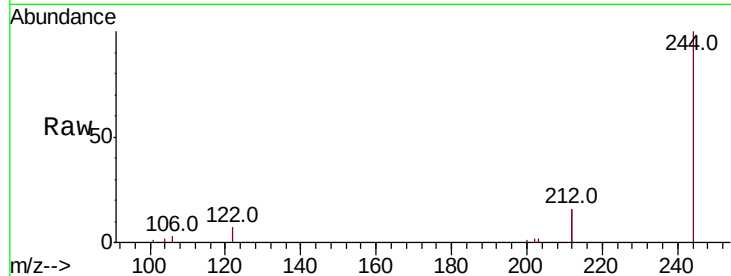
ClientSampleId :

PST-028-B001-042219

Tot Ion:	244	Resp:	19086
Ion Ratio	Lower	Upper	
244	100		
212	31.9	22.6	33.8
122	6.8	4.6	7.0

Manual Integrations
APPROVED

Sohil
4/29/2019 1:32:33 PM



#30

Benzo(a)anthracene

Concen: 0.348 ng

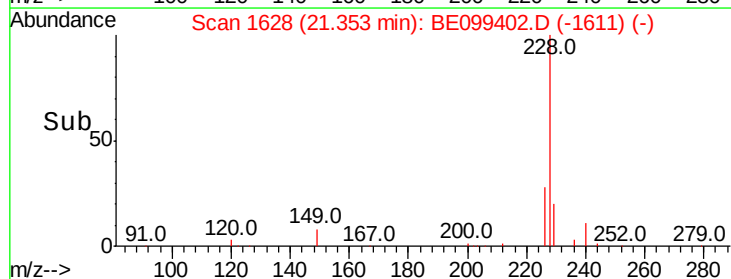
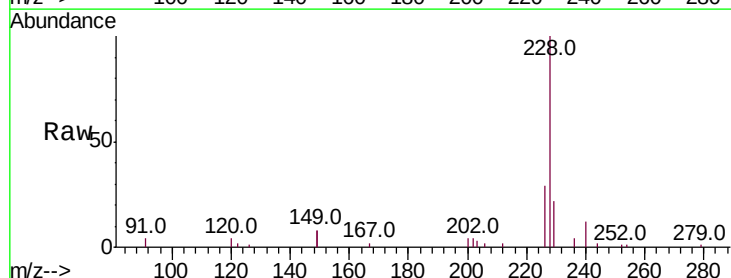
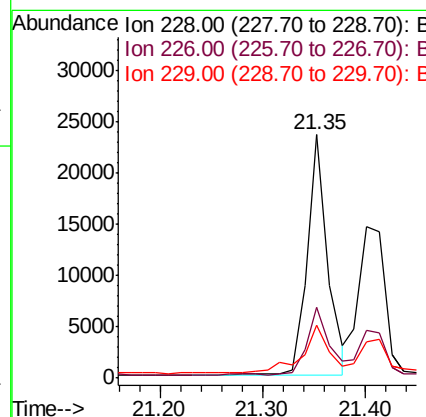
RT: 21.35 min Scan# 1628

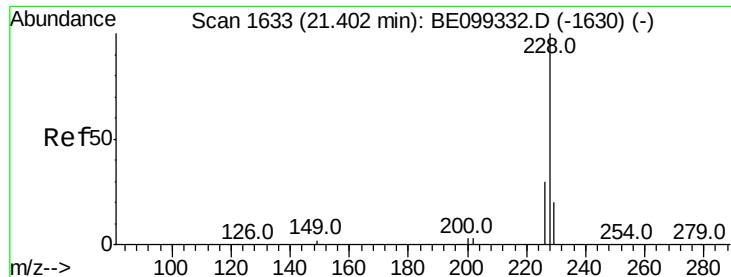
Delta R.T. 0.01 min

Lab File: BE099402.D

Acq: 27 Apr 2019 6:07

Tgt Ion:	228	Resp:	32740
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.0	33.0
229	21.8	15.8	23.8





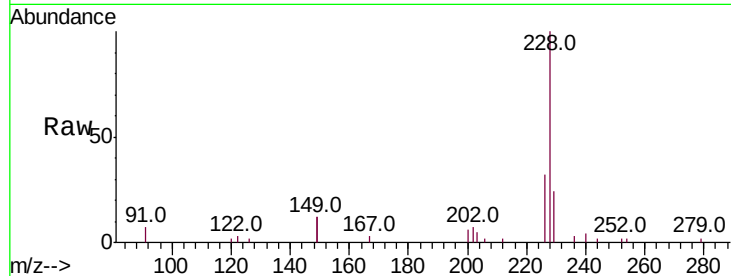
#31
Chrysene
Concen: 0.252 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099402.D
Acq: 27 Apr 2019 6:07

Instrument :
BNA_E
ClientSampleId :
PST-028-B001-042219

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.4	35.2
229	24.2	16.2	24.2

Manual Integrations
APPROVED

Sohil
4/29/2019 1:32:33 PM

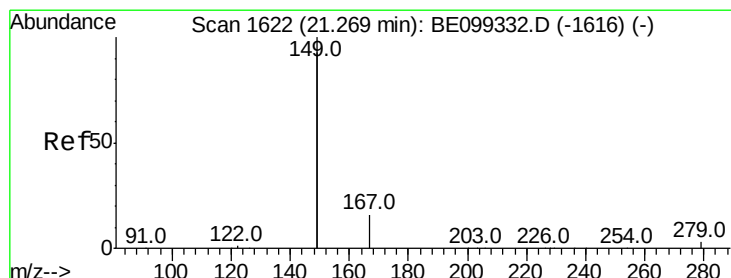
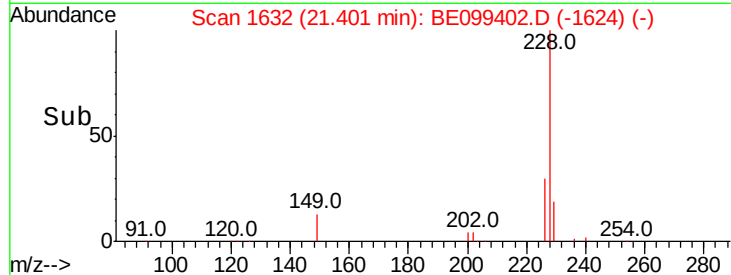
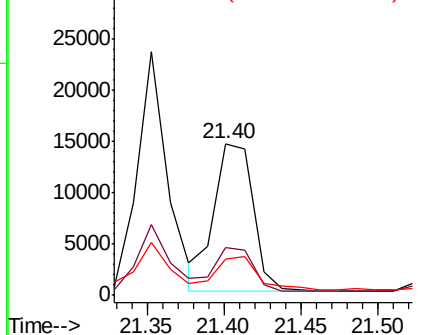


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32
Bis(2-ethylhexyl)phthalate
Concen: 50.246 ng
RT: 21.27 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE099402.D
Acq: 27 Apr 2019 6:07

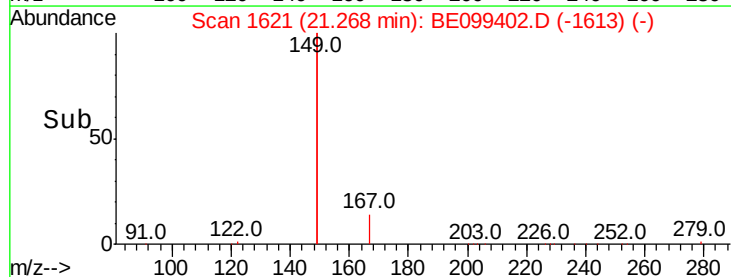
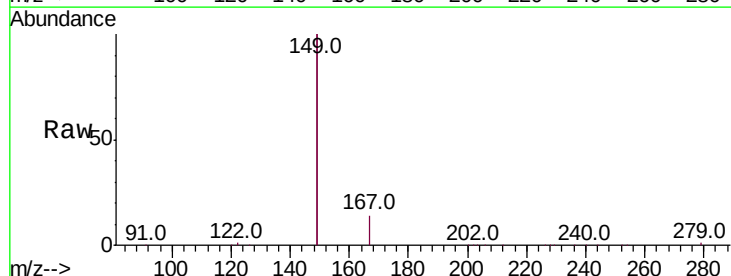
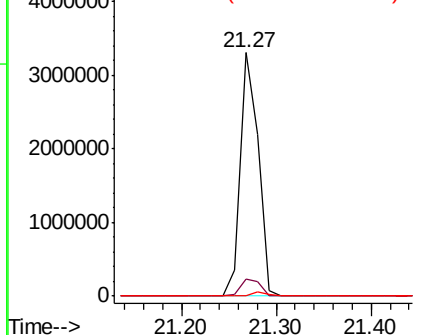
Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.7	6.0	9.0
279	1.5	1.1	1.7

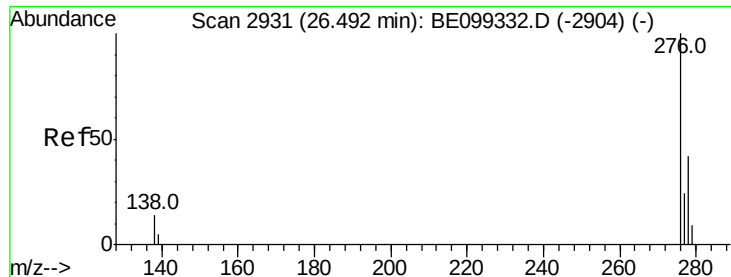
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





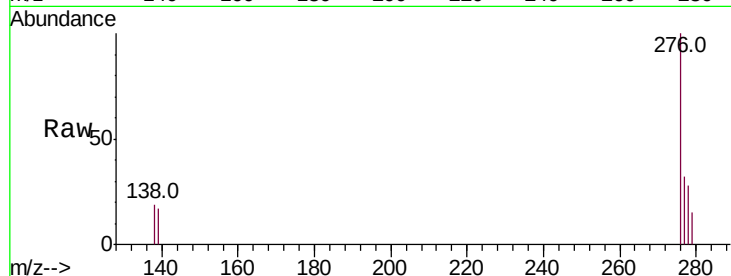
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.107 ng
RT: 26.52 min Scan# 2939
Delta R.T. 0.03 min
Lab File: BE099402.D
Acq: 27 Apr 2019 6:07

Instrument :
BNA_E
ClientSampleId :
PST-028-B001-042219

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.4	12.7	19.1#
277	20.6	19.6	29.4

Manual Integrations
APPROVED

Sohil
4/29/2019 1:32:33 PM

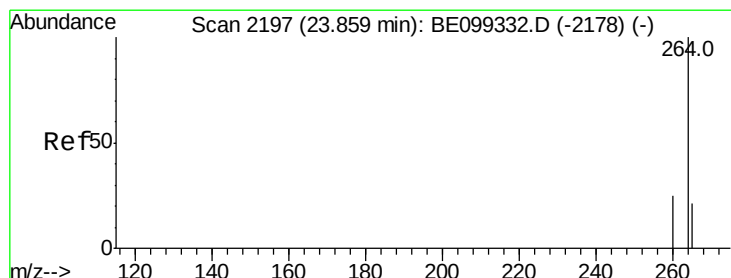
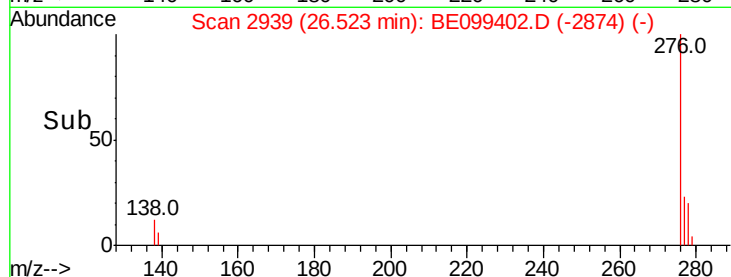
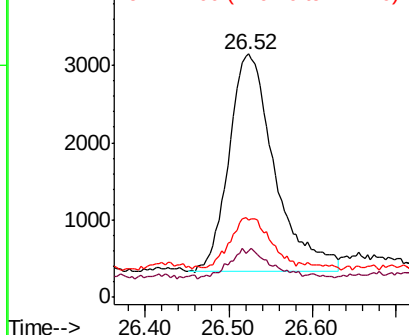


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2201
Delta R.T. 0.02 min
Lab File: BE099402.D
Acq: 27 Apr 2019 6:07

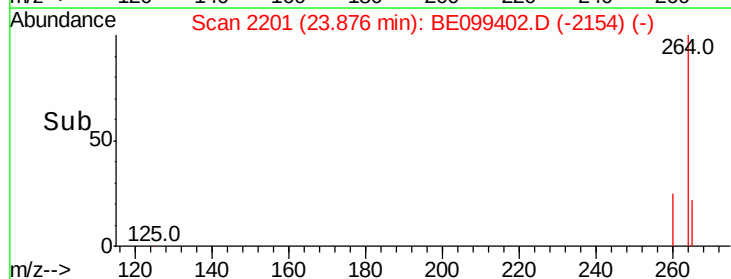
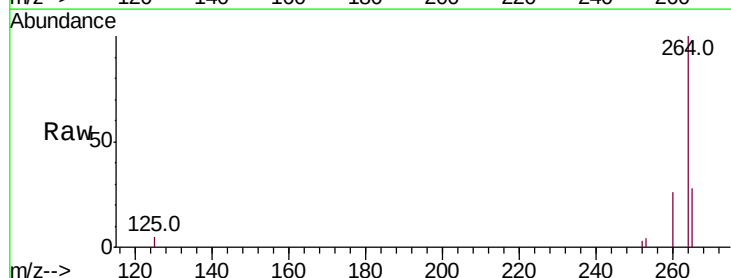
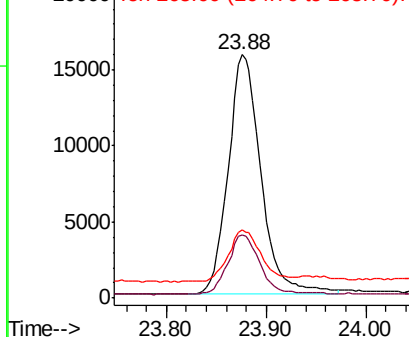
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.1	30.1
265	28.2	19.9	29.9

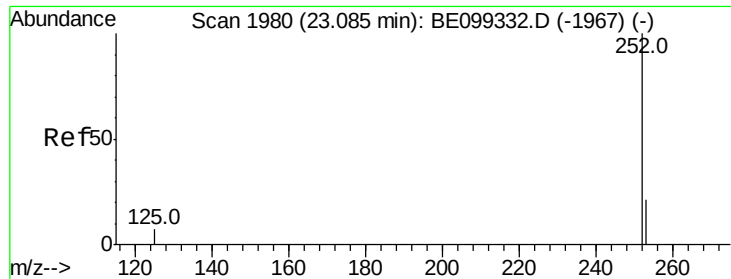
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





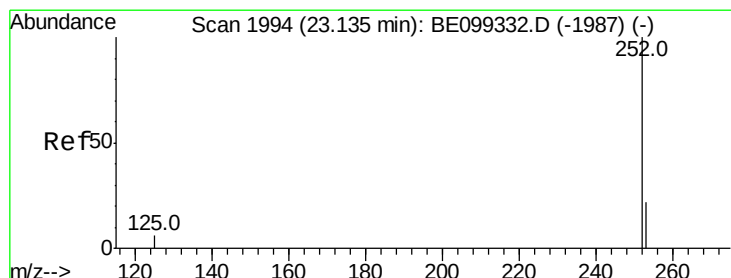
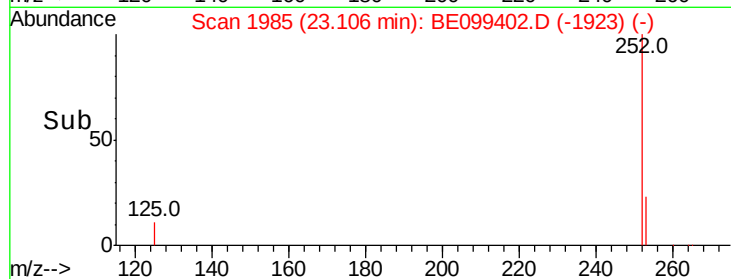
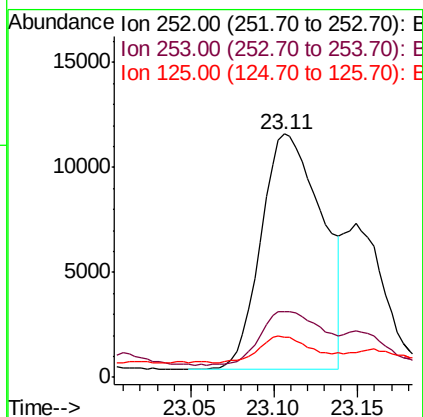
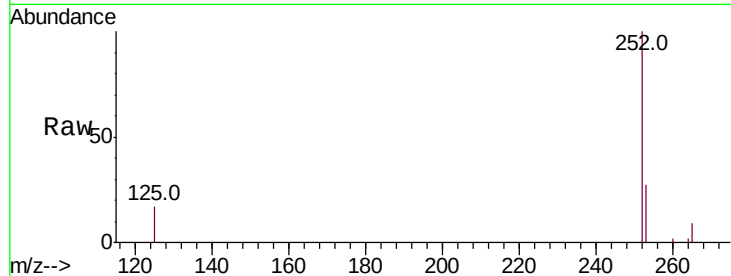
#35
Benzo(b)fluoranthene
Concen: 0.259 ng
RT: 23.11 min Scan# 1985
Delta R.T. 0.02 min
Lab File: BE099402.D
Acq: 27 Apr 2019 6:07

Instrument :
BNA_E
ClientSampleId :
PST-028-B001-042219

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.3	25.9#
125	16.6	5.8	8.6#

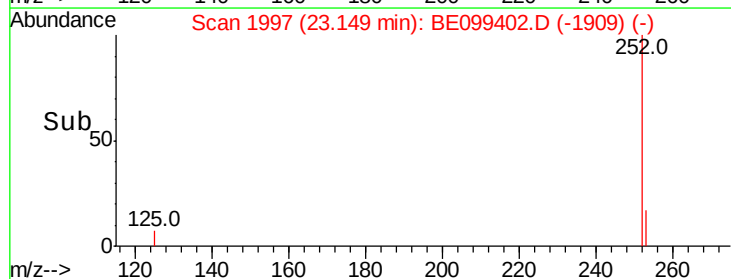
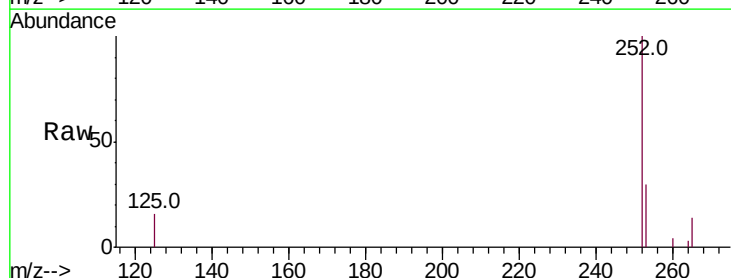
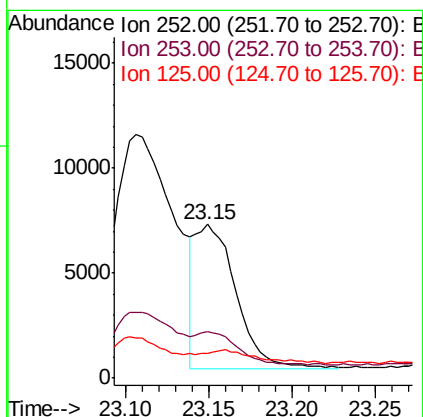
Manual Integrations
APPROVED

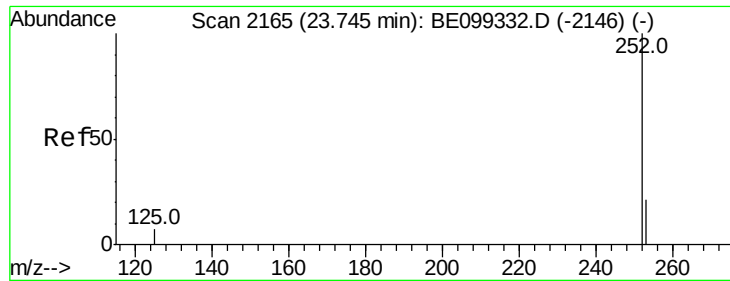
Sohil
4/29/2019 1:32:33 PM



#36
Benzo(k)fluoranthene
Concen: 0.108 ng m
RT: 23.15 min Scan# 1997
Delta R.T. 0.01 min
Lab File: BE099402.D
Acq: 27 Apr 2019 6:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.9	18.4	27.6#
125	16.4	5.4	8.0#





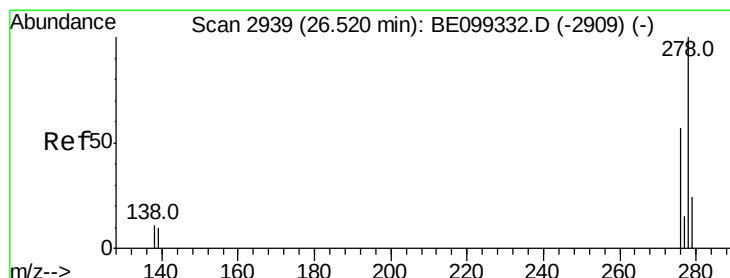
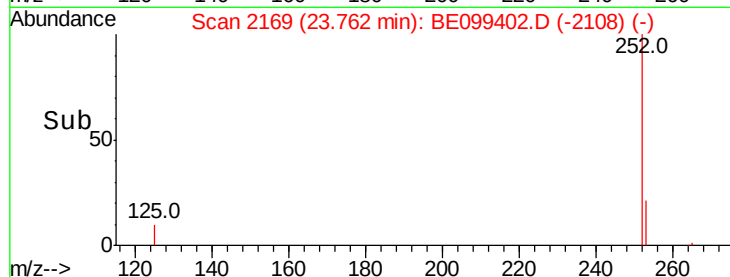
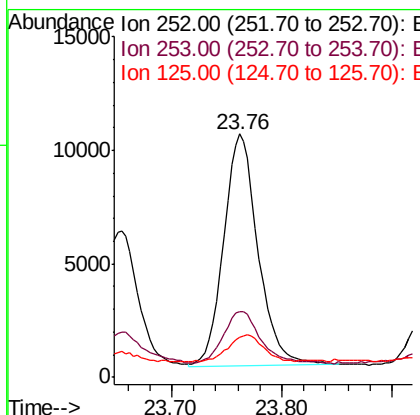
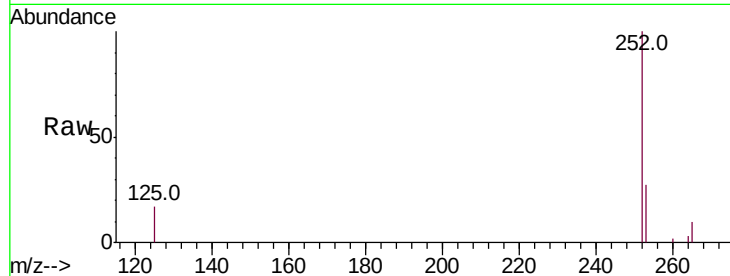
#37
Benzo(a)pyrene
Concen: 0.226 ng
RT: 23.76 min Scan# 2169
Delta R.T. 0.02 min
Lab File: BE099402.D
Acq: 27 Apr 2019 6:07

Instrument :
BNA_E
ClientSampleId :
PST-028-B001-042219

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.6	26.4#
125	16.6	6.5	9.7#

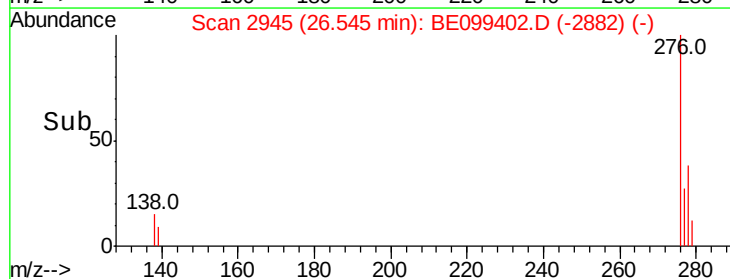
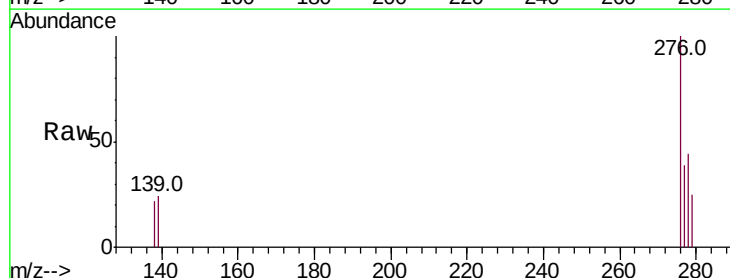
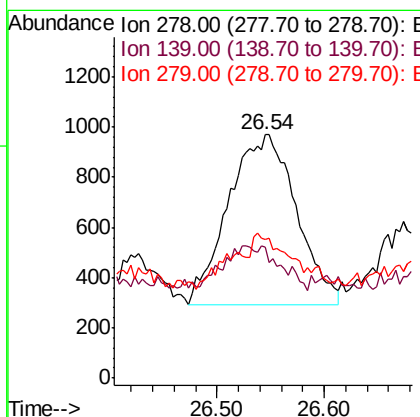
Manual Integrations
APPROVED

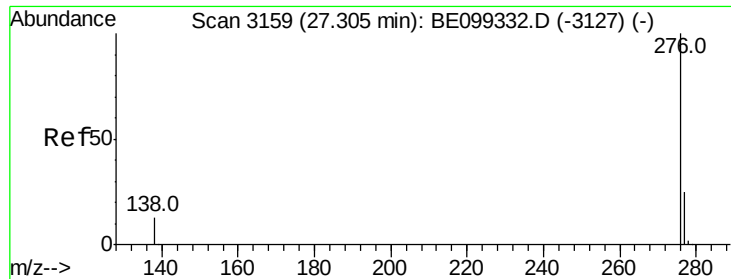
Sohil
4/29/2019 1:32:33 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.029 ng
RT: 26.54 min Scan# 2945
Delta R.T. 0.02 min
Lab File: BE099402.D
Acq: 27 Apr 2019 6:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	54.0	8.5	12.7#
279	57.2	19.8	29.8#





#39

Benzo(a,h,i)perylene

Concen: 0.094 ng

RT: 27.35 min Scan# 3170

Delta R.T. 0.04 min

Lab File: BE099402.D

Acq: 27 Apr 2019 6:07

Instrument :

BNA_E

ClientSampleId :

PST-028-B001-042219

Tot Ion	Ratio	Lower	Upper
276	100		
277	33.9	20.0	30.0#
138	19.1	11.1	16.7#

Manual Integrations
APPROVED

Sohil
4/29/2019 1:32:33 PM

