

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
 Data File : BE099500.D
 Acq On : 2 May 2019 19:20
 Operator : JU/SJ
 Sample : K2533-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B010-042219

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:23:23 PM

Quant Time: May 03 05:05:40 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	7.80	152	2245	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	7990	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5775	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	18197	0.40	ng	0.00
27) Chrysene-d12	21.37	240	26590	0.40	ng	0.00
34) Perylene-d12	23.87	264	30578	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.38	112	1837	0.30	ng	0.00
5) Phenol-d6	6.96	99	2497	0.30	ng	-0.01
8) Nitrobenzene-d5	8.97	82	2077	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	3664	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1114	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	5481	0.25	ng	-0.01
25) Fluoranthene-d10	19.22	212	64140	0.26	ng	0.00
29) Terphenyl-d14	19.82	244	13553	0.28	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.23	178	1591	0.034	ng	# 94
26) Fluoranthene	19.25	202	6170	0.088	ng	# 98
28) Pyrene	19.61	202	7083	0.102	ng	# 93
30) Benzo(a)anthracene	21.34	228	8455	0.100	ng	94
31) Chrysene	21.40	228	9296	0.112	ng	96
32) Bis(2-ethylhexyl)phthalate	21.27	149	12171	0.030	ng	100
33) Indeno(1,2,3-cd)pyrene	26.52	276	5478	0.056	ng	97
35) Benzo(b)fluoranthene	23.10	252	11333	0.129	ng	# 77
36) Benzo(k)fluoranthene	23.14	252	3618m	0.043	ng	
37) Benzo(a)pyrene	23.76	252	8251	0.099	ng	# 79
39) Benzo(g,h,i)perylene	27.34	276	5270	0.062	ng	# 86

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

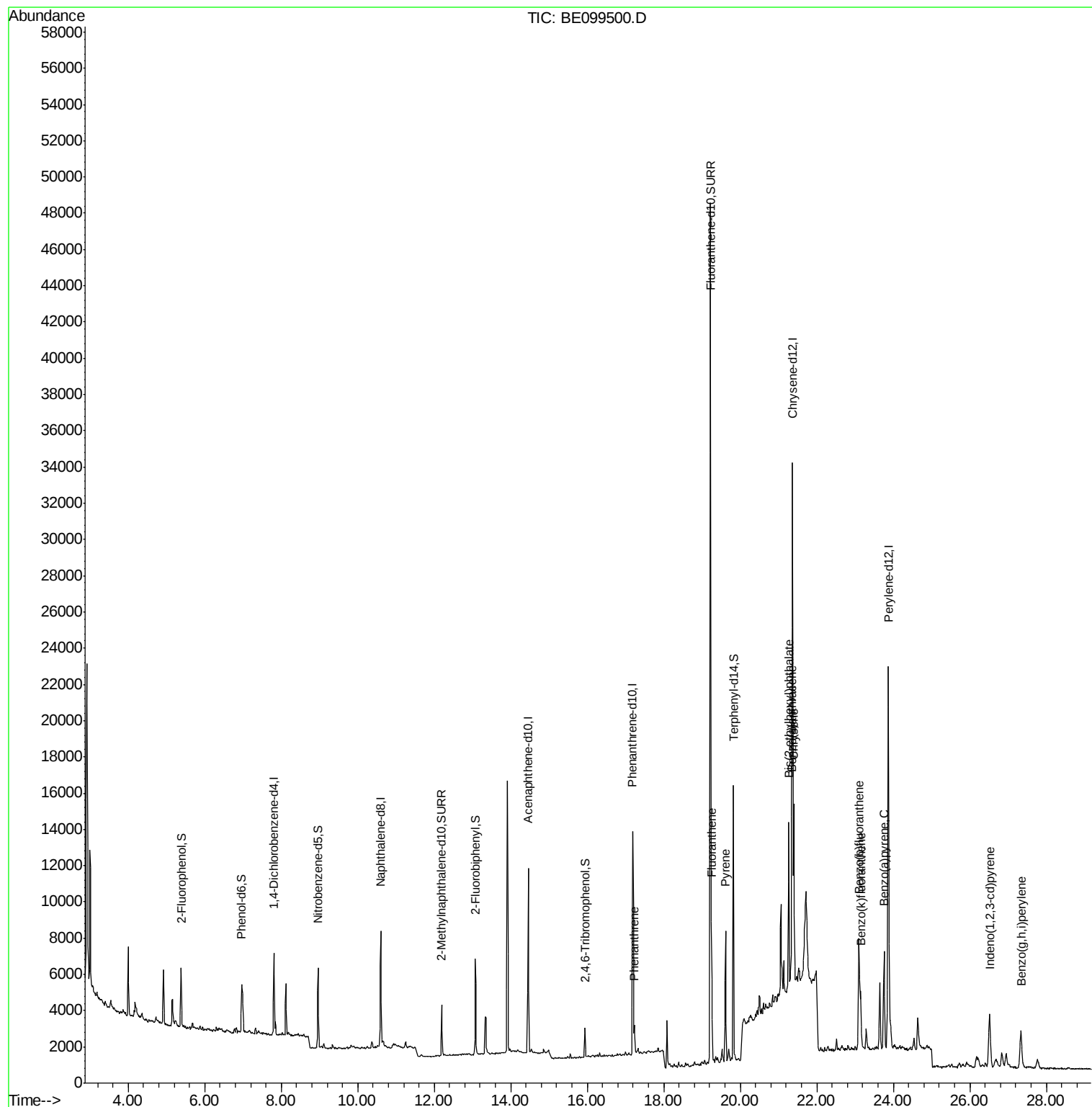
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
Data File : BE099500.D
Acq On : 2 May 2019 19:20
Operator : JU/SJ
Sample : K2533-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-028-B010-042219

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:23 PM

Quant Time: May 03 05:05:40 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





#1

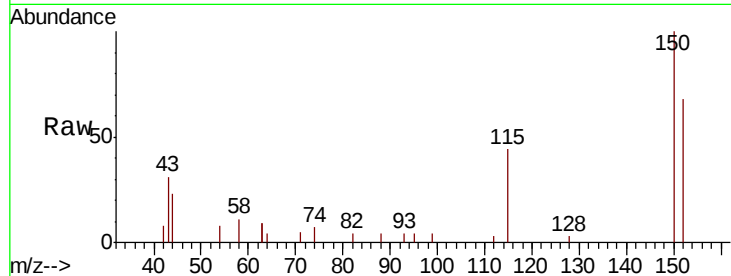
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099500.D
Acq: 2 May 2019 19:20

Instrument :
BNA_E
ClientSampleId :
PST-028-B010-042219

Tgt Ion	Ratio	Lower	Upper
152	100		
150	147.3	104.8	157.2
115	65.1	46.6	69.8

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:23 PM

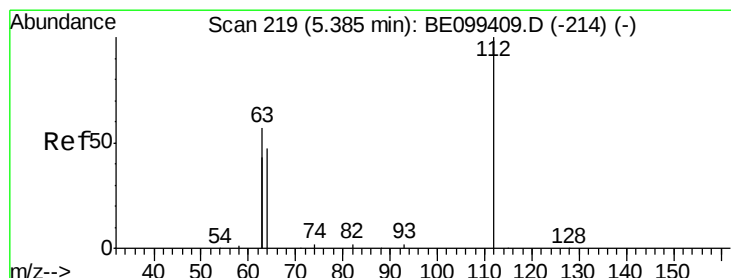
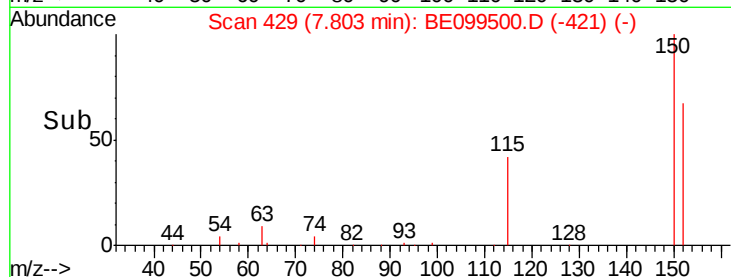
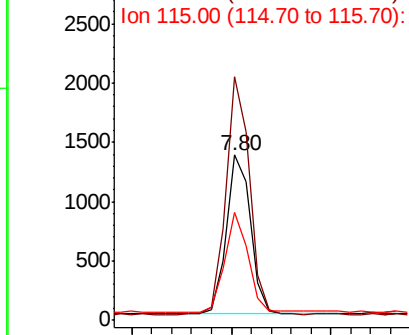


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

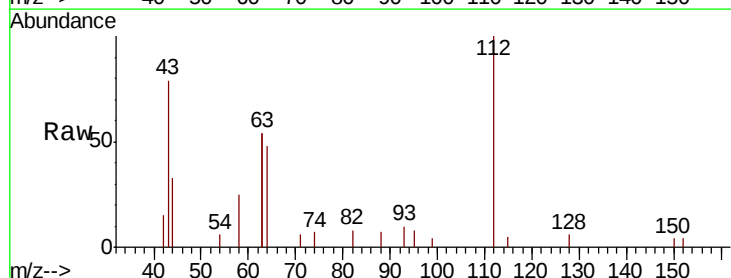
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.296 ng
RT: 5.38 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099500.D
Acq: 2 May 2019 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.4	71.0
63	125.6	104.3	156.5

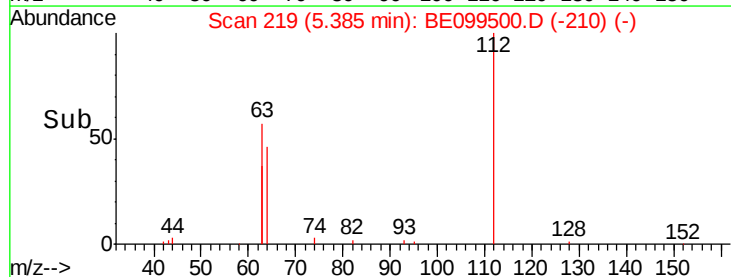
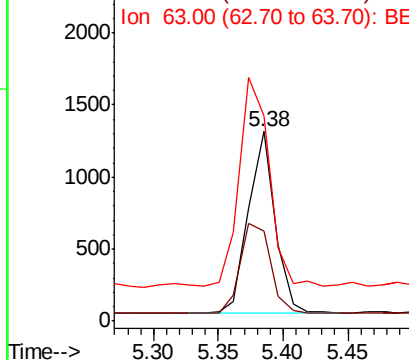


Abundance

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: 0.302 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Instrument :

BNA_E

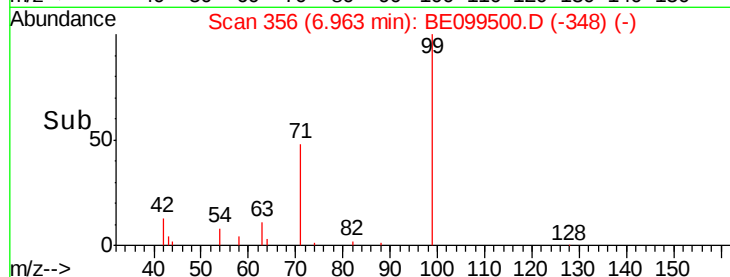
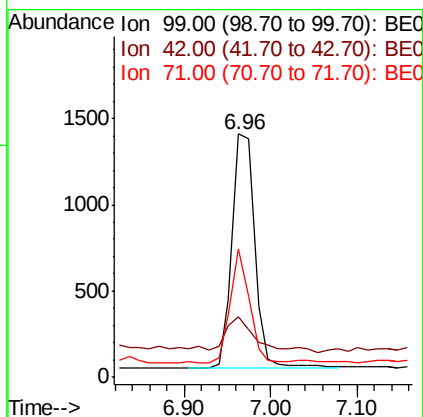
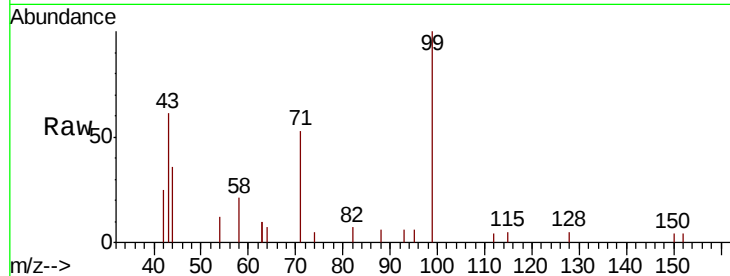
ClientSampleId :

PST-028-B010-042219

Tgt Ion:	99	Resp:	2497
Ion	Ratio	Lower	Upper
99	100		
42	19.8	14.9	22.3
71	40.3	33.0	49.6

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:23 PM



#7

Naphthalene-d8

Concen: 0.400 ng

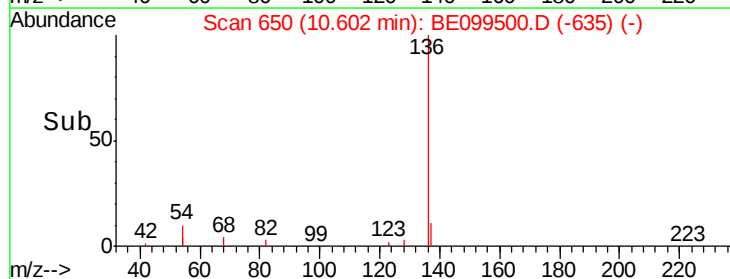
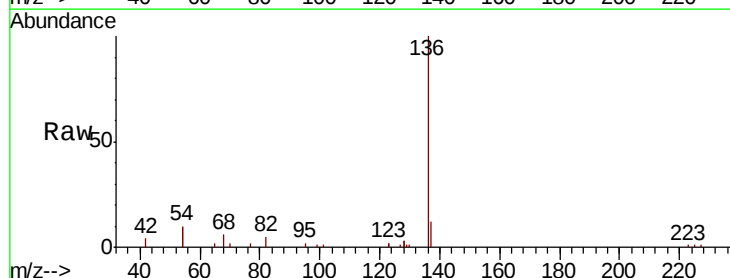
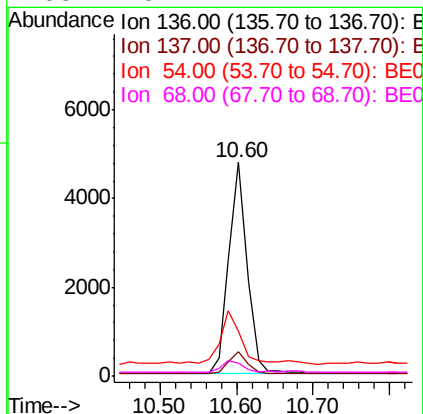
RT: 10.60 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Tgt Ion:	136	Resp:	7990
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.8	14.8
54	20.8	18.5	27.7
68	5.7	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.277 ng

RT: 8.97 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Instrument :

BNA_E

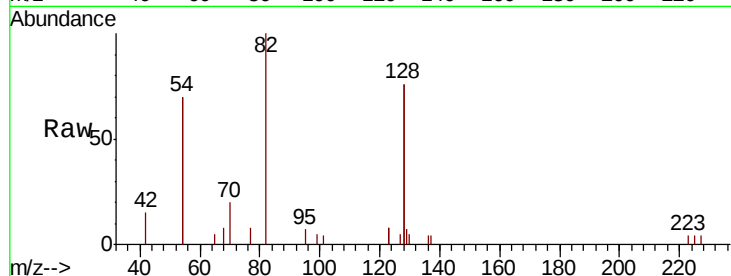
ClientSampleId :

PST-028-B010-042219

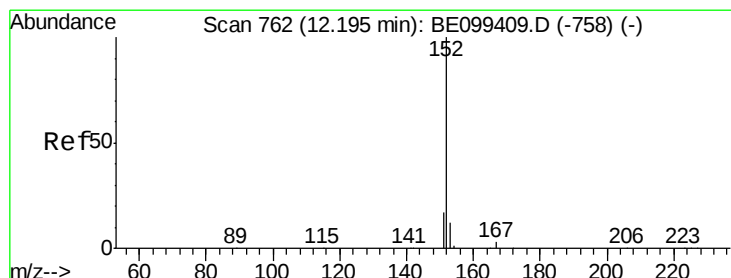
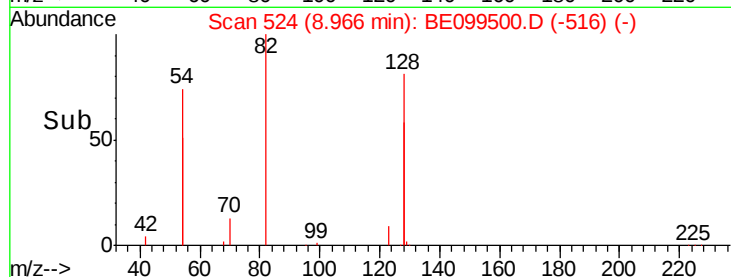
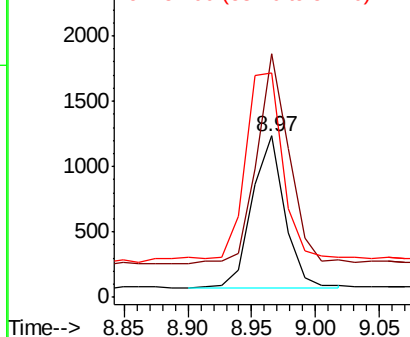
Tgt Ion:	82	Resp:	2077
Ion	Ratio	Lower	Upper
82	100		
128	151.1	107.0	160.4
54	139.3	113.1	169.7

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:23 PM



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.255 ng

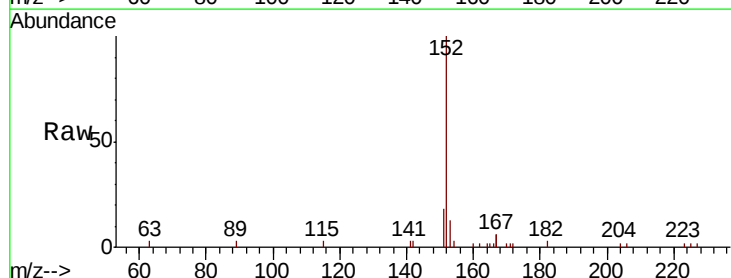
RT: 12.20 min Scan# 763

Delta R.T. -0.00 min

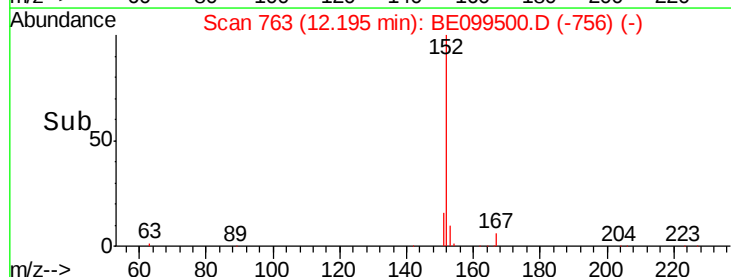
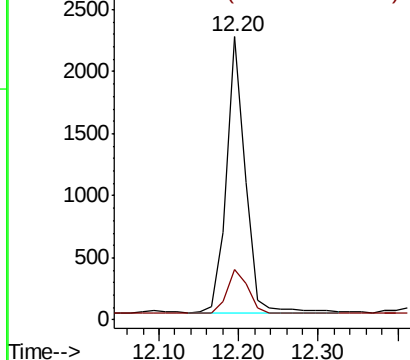
Lab File: BE099500.D

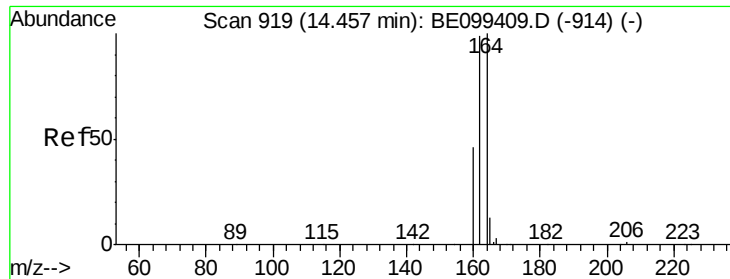
Acq: 2 May 2019 19:20

Tgt Ion:	152	Resp:	3664
Ion	Ratio	Lower	Upper
152	100		
151	17.8	15.5	23.3



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





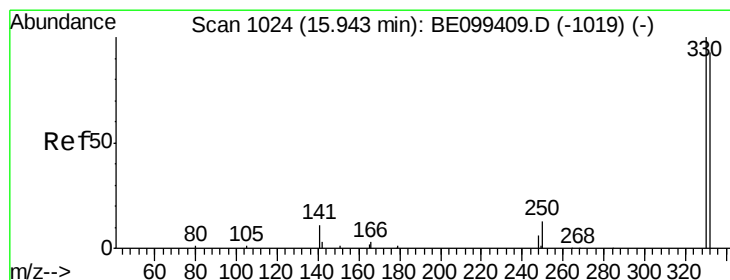
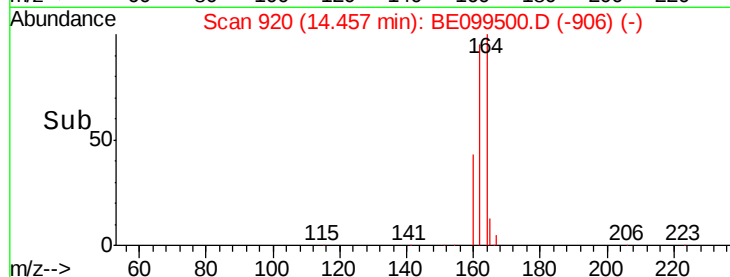
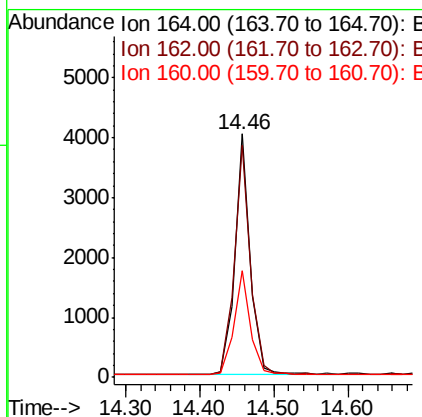
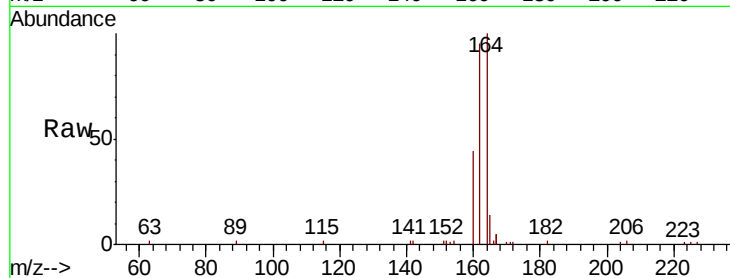
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BE099500.D
 Acq: 2 May 2019 19:20

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B010-042219

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.2	79.0	118.4
160	44.0	37.0	55.4

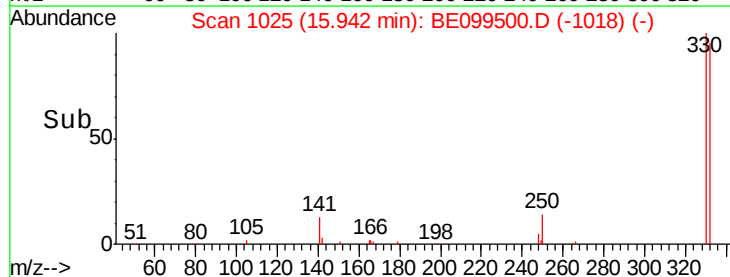
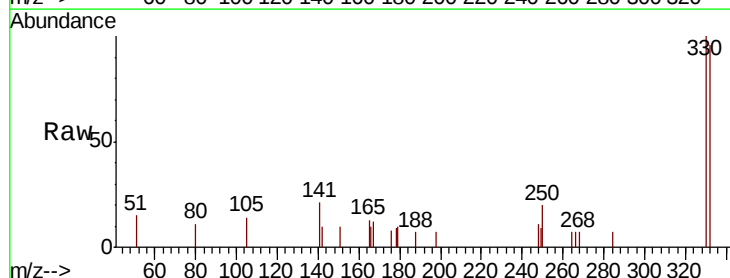
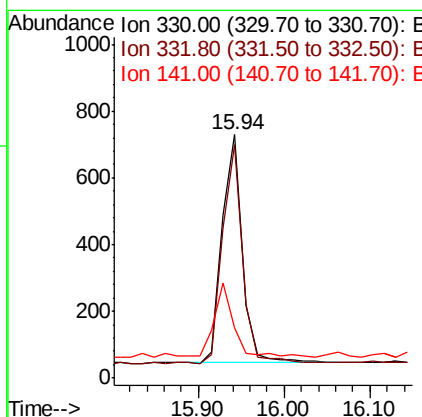
Manual Integrations
 APPROVED

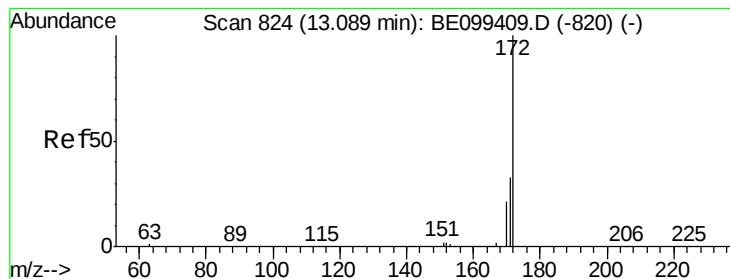
Sohil
 5/3/2019 4:23:23 PM



#14
 2,4,6-Tribromophenol
 Concen: 0.306 ng
 RT: 15.94 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BE099500.D
 Acq: 2 May 2019 19:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	71.5	107.3
141	28.7	24.0	36.0





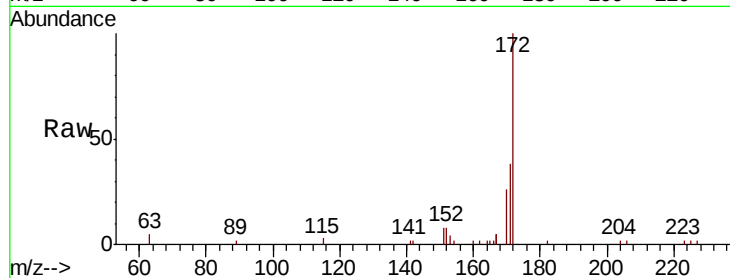
#15
 2-Fluorobiphenyl
 Concen: 0.249 ng
 RT: 13.07 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BE099500.D
 Acq: 2 May 2019 19:20

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B010-042219

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	26.6	39.8
170	26.5	17.0	25.6

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:23:23 PM

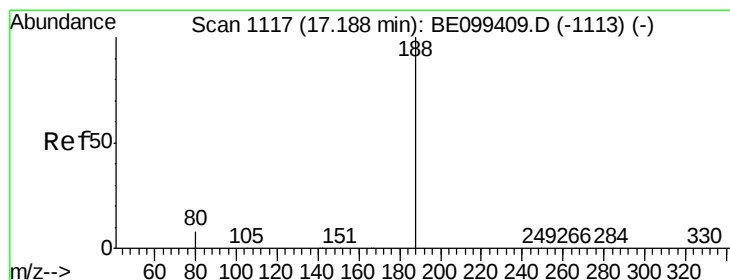
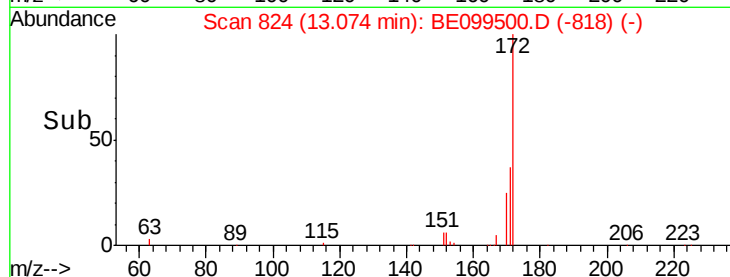
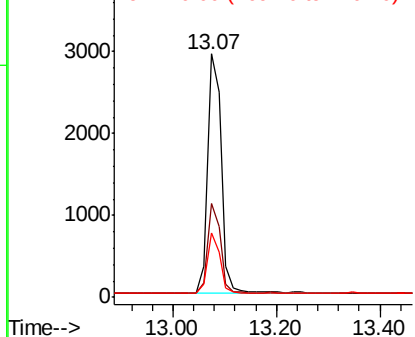


Abundance

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



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.19 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: BE099500.D
 Acq: 2 May 2019 19:20

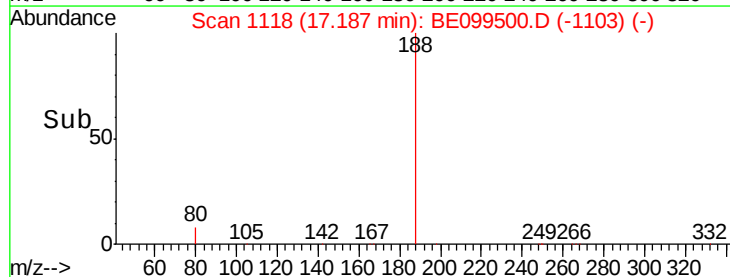
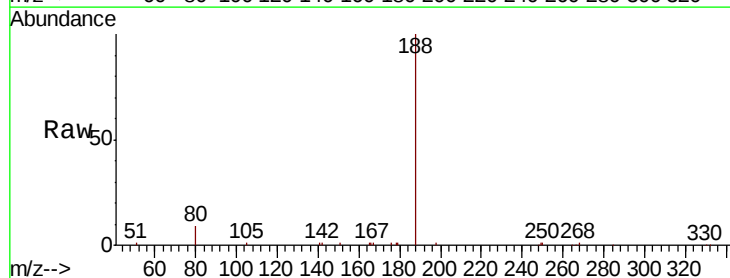
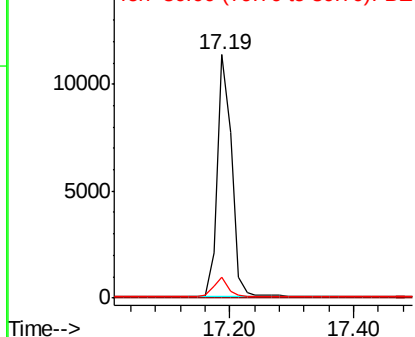
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	6.7	10.1

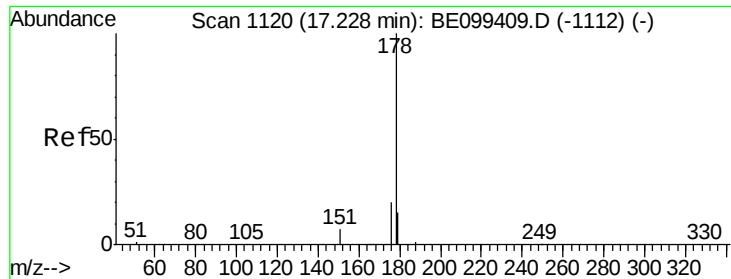
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#23

Phenanthrene

Concen: 0.034 ng

RT: 17.23 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Instrument :

BNA_E

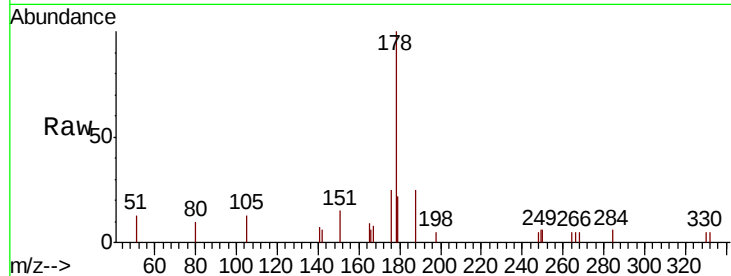
ClientSampleId :

PST-028-B010-042219

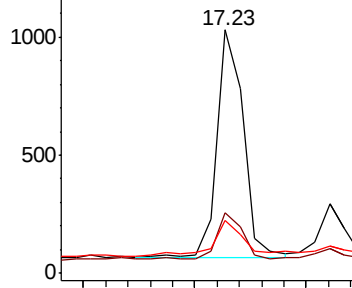
Tgt Ion:	178	Resp:	1591
Ion Ratio	Lower	Upper	
178	100		
176	20.6	15.6	23.4
179	19.1	12.0	18.0#

Manual Integrations
APPROVED

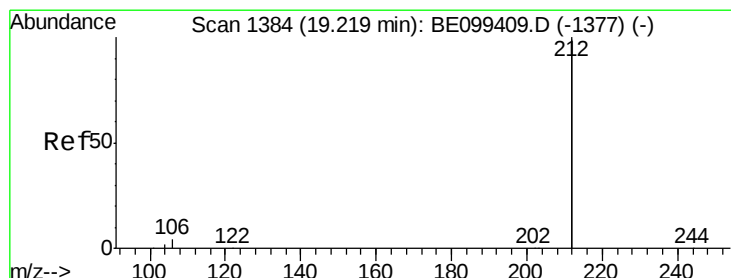
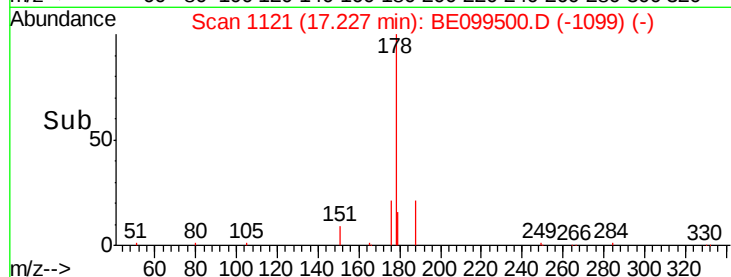
Sohil
5/3/2019 4:23:23 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time--> 17.10 17.20 17.30



#25

Fluoranthene-d10

Concen: 0.262 ng

RT: 19.22 min Scan# 1385

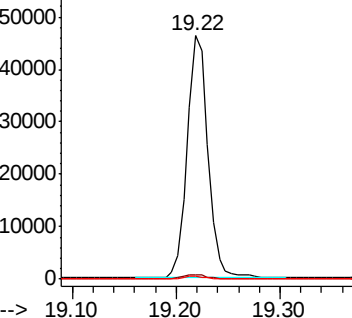
Delta R.T. -0.00 min

Lab File: BE099500.D

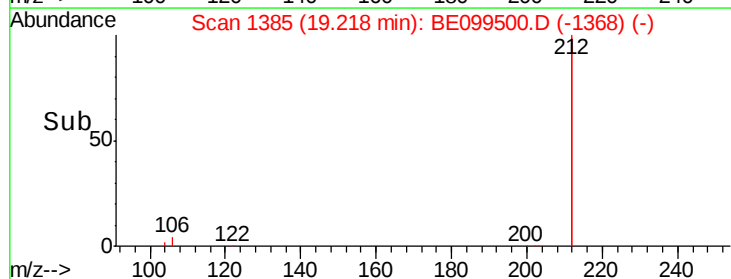
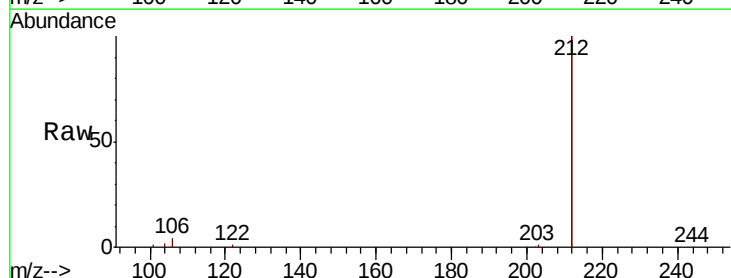
Acq: 2 May 2019 19:20

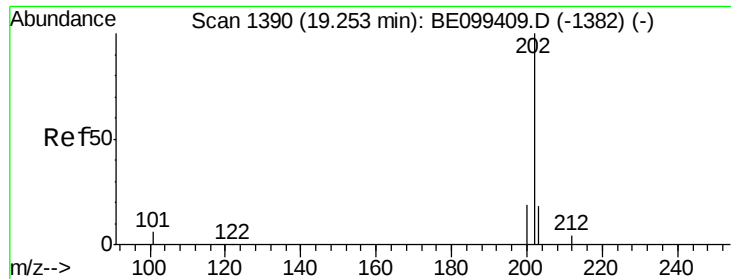
Tgt Ion:	212	Resp:	64140
Ion Ratio	Lower	Upper	
212	100		
106	1.8	1.5	2.3
104	1.1	0.9	1.3

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



Time--> 19.10 19.20 19.30





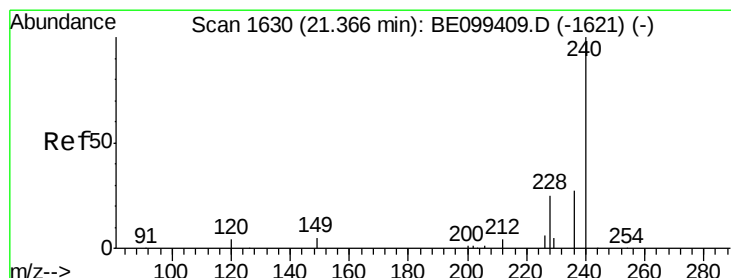
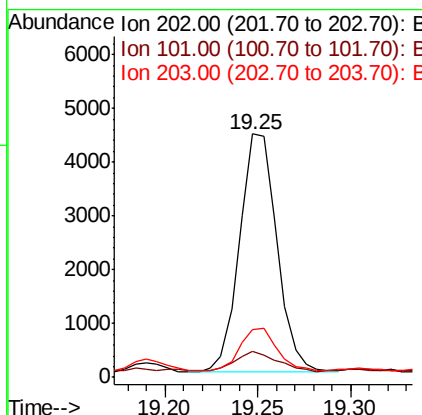
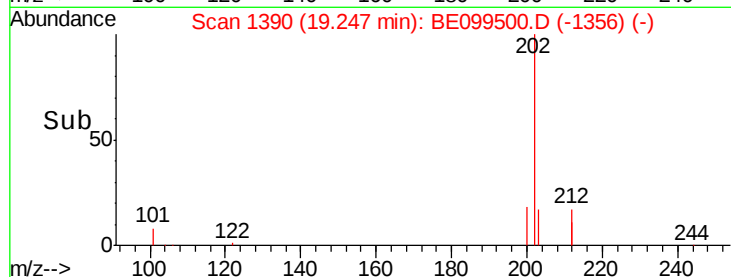
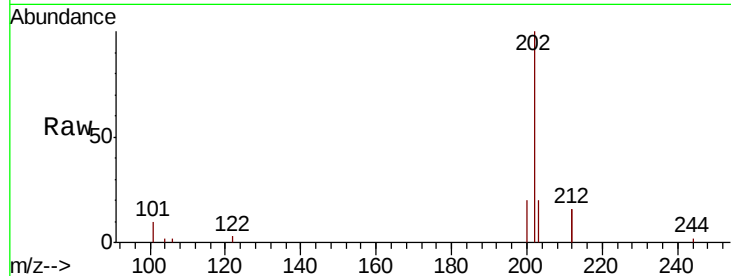
#26
Fluoranthene
Concen: 0.088 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BE099500.D
Acq: 2 May 2019 19:20

Instrument :
BNA_E
ClientSampleId :
PST-028-B010-042219

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	6170		
101	9.2	5.4	8.0#	
203	17.6	13.9	20.9	

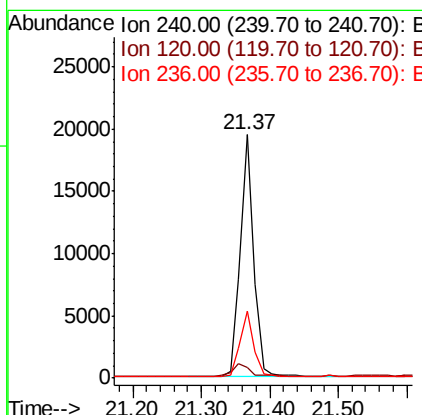
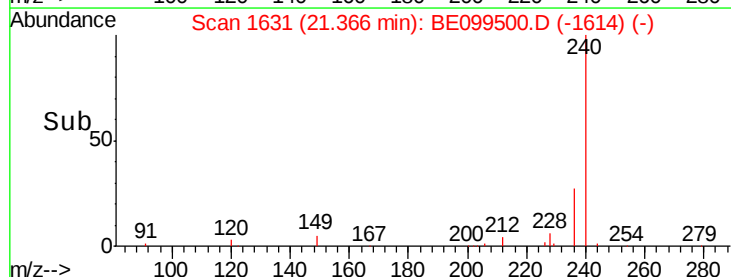
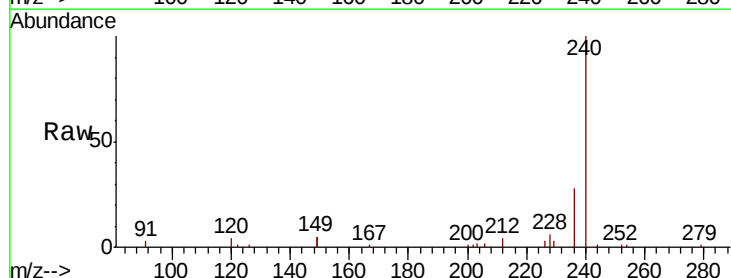
Manual Integrations
APPROVED

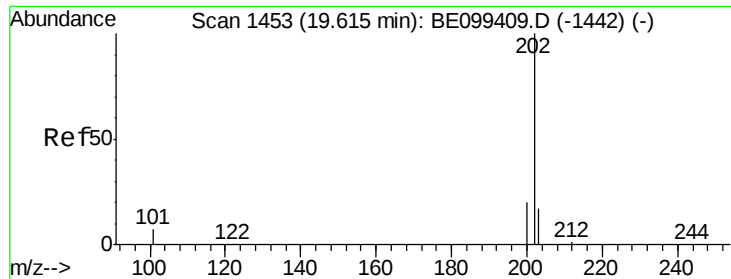
Sohil
5/3/2019 4:23:23 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BE099500.D
Acq: 2 May 2019 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	26590		
120	4.3	4.0	6.0	
236	27.6	22.0	33.0	





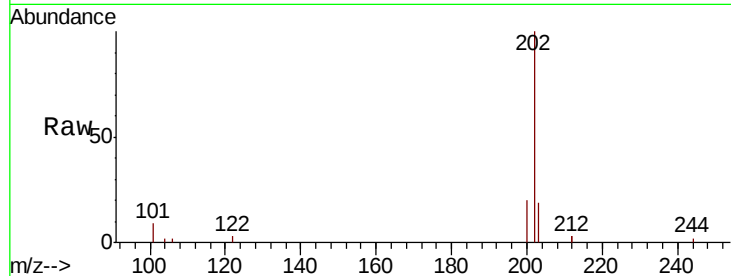
#28
 Pyrene
 Concen: 0.102 ng
 RT: 19.61 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BE099500.D
 Acq: 2 May 2019 19:20

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B010-042219

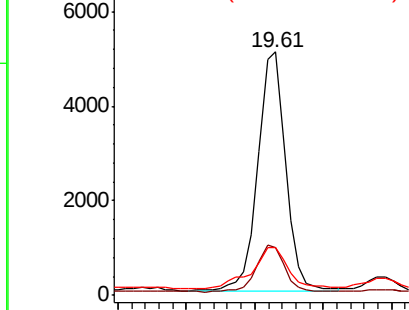
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	15.7	23.5
203	23.1	13.9	20.9

Manual Integrations
 APPROVED

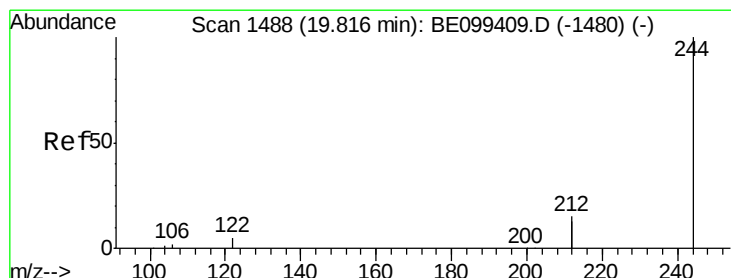
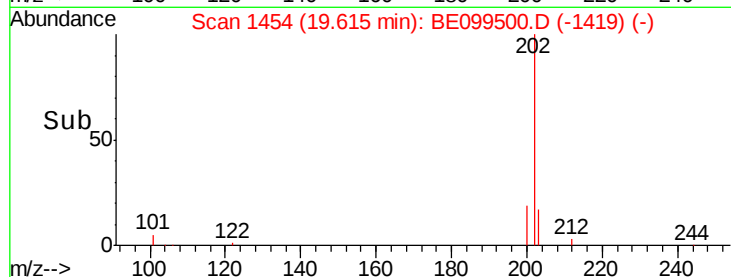
Sohil
 5/3/2019 4:23:23 PM



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E



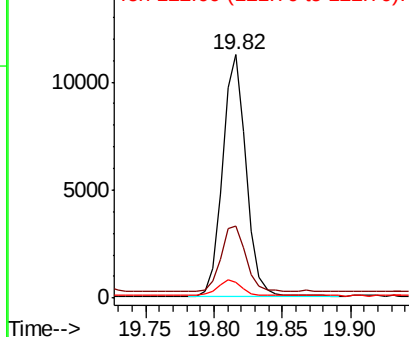
Time--> 19.50 19.55 19.60 19.65



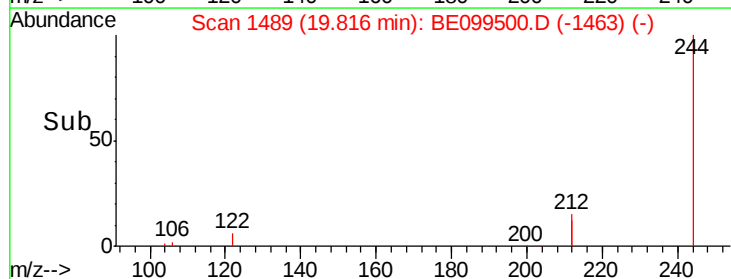
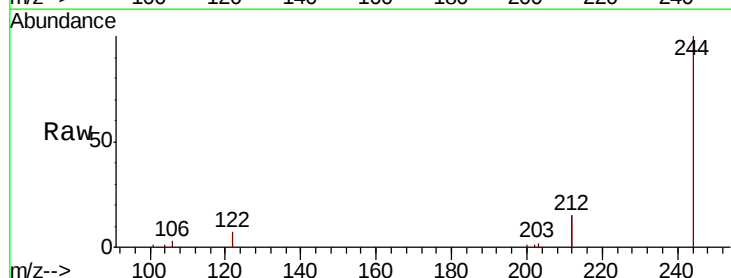
#29
 Terphenyl-d14
 Concen: 0.278 ng
 RT: 19.82 min Scan# 1489
 Delta R.T. -0.00 min
 Lab File: BE099500.D
 Acq: 2 May 2019 19:20

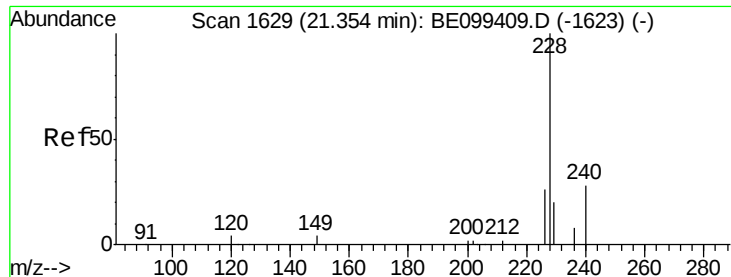
Tgt Ion	Ratio	Lower	Upper
244	100		
212	29.4	23.2	34.8
122	6.6	4.2	6.4

Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



Time--> 19.75 19.80 19.85 19.90





#30

Benzo(a)anthracene

Concen: 0.100 ng

RT: 21.34 min Scan# 1629

Delta R.T. -0.01 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Instrument :

BNA_E

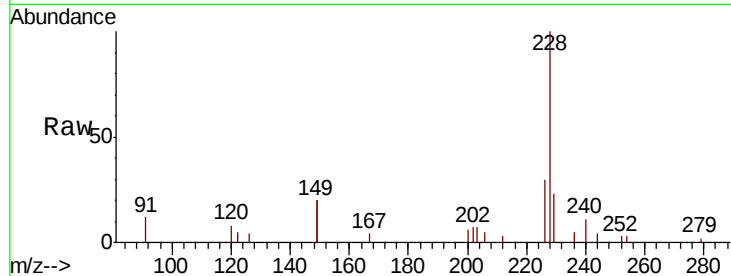
ClientSampleId :

PST-028-B010-042219

Tgt Ion:	228	Resp:	8455
Ion Ratio	Lower	Upper	
228	100		
226	29.7	21.0	31.6
229	23.1	16.6	25.0

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:23 PM

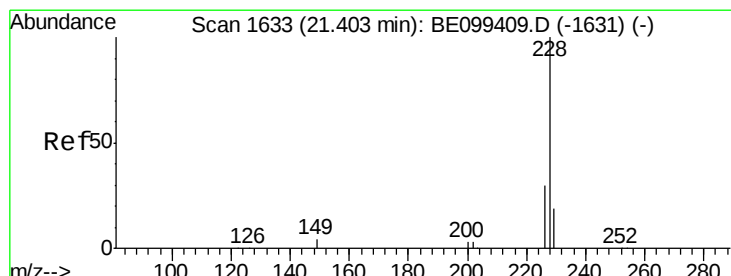
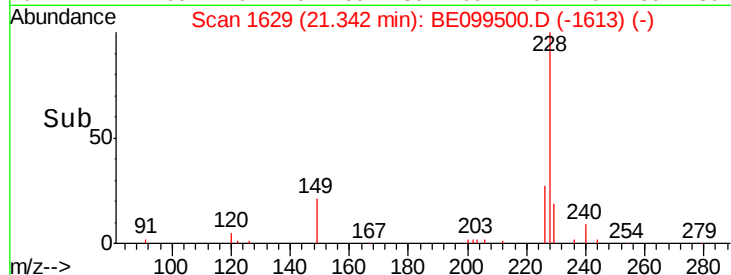
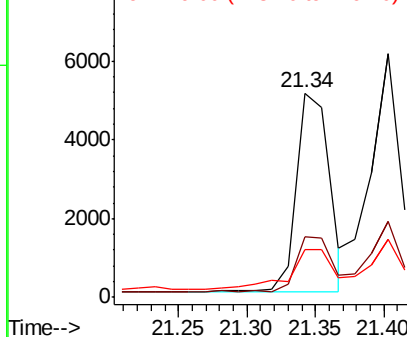


Abundance

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



#31

Chrysene

Concen: 0.112 ng

RT: 21.40 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

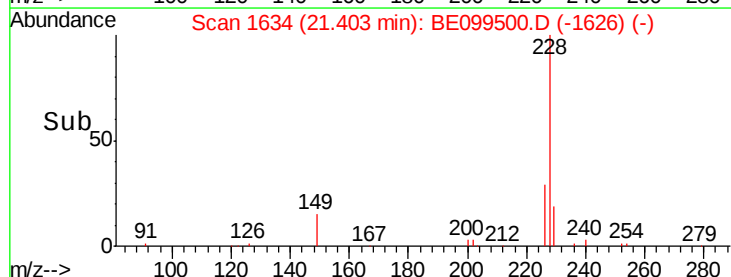
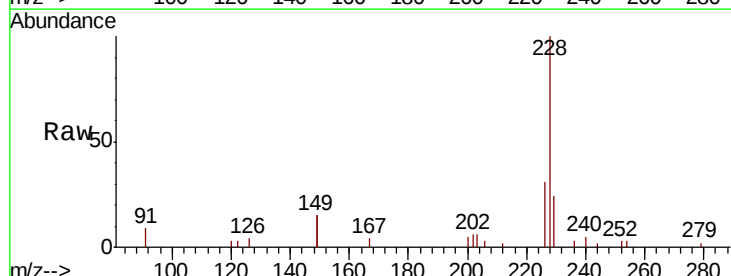
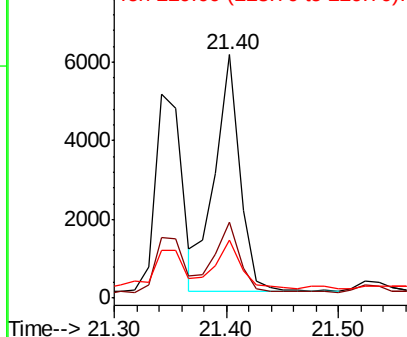
Tgt Ion:	228	Resp:	9296
Ion Ratio	Lower	Upper	
228	100		
226	31.0	24.0	36.0
229	23.6	15.8	23.8

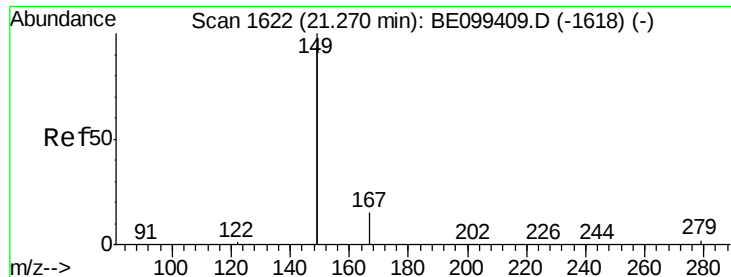
Abundance

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





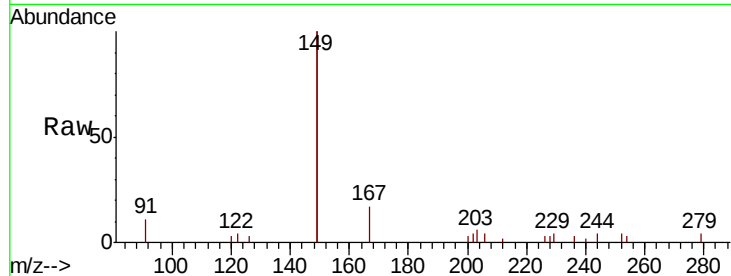
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.030 ng
 RT: 21.27 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: BE099500.D
 Acq: 2 May 2019 19:20

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B010-042219

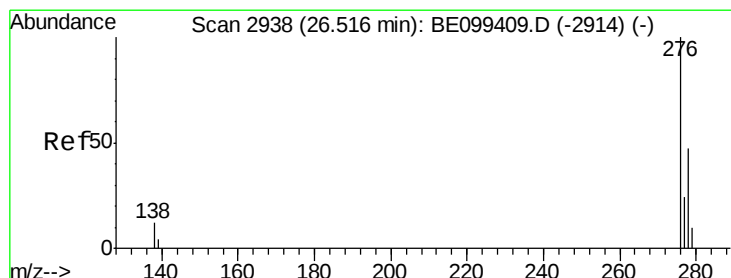
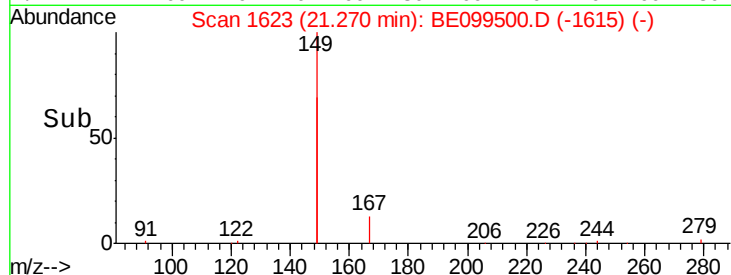
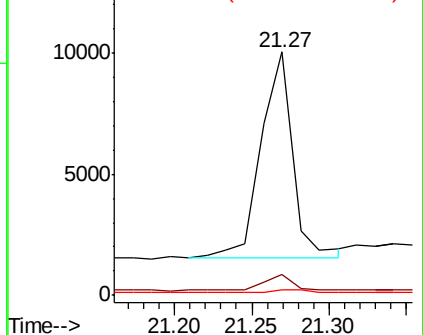
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	12171		
167	7.4	5.8	8.6	
279	1.2	1.0	1.6	

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:23:23 PM

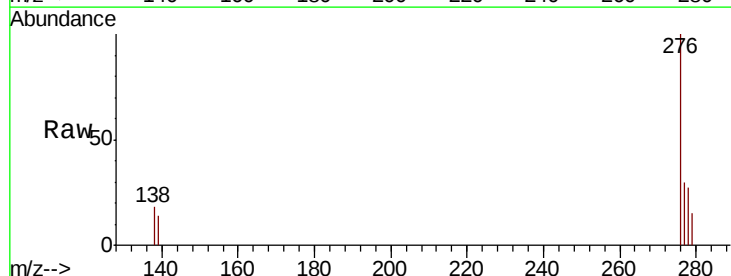


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

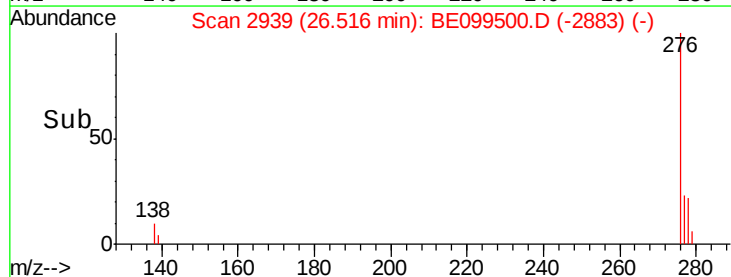
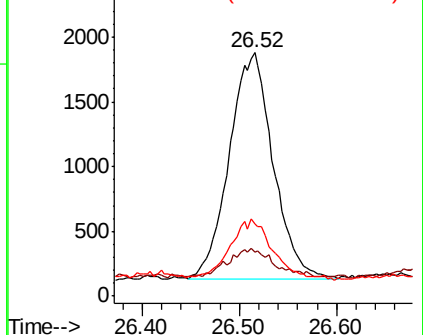


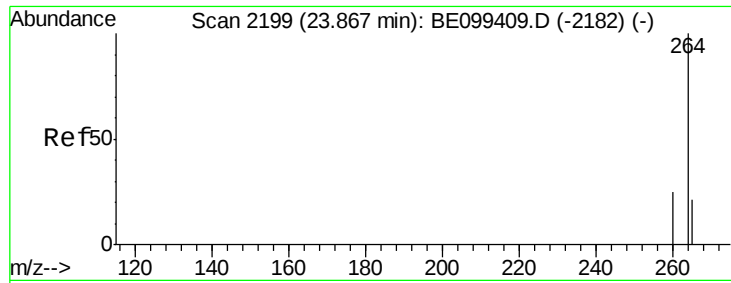
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.056 ng
 RT: 26.52 min Scan# 2939
 Delta R.T. -0.00 min
 Lab File: BE099500.D
 Acq: 2 May 2019 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	5478		
138	13.1	10.2	15.2	
277	26.3	19.2	28.8	



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





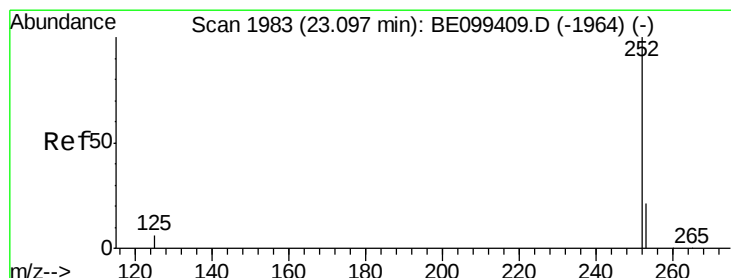
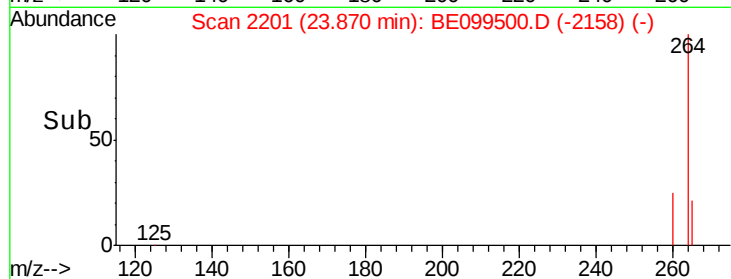
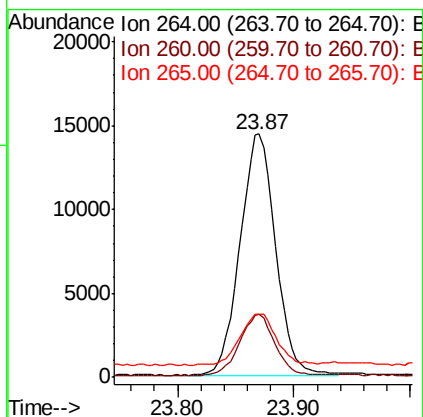
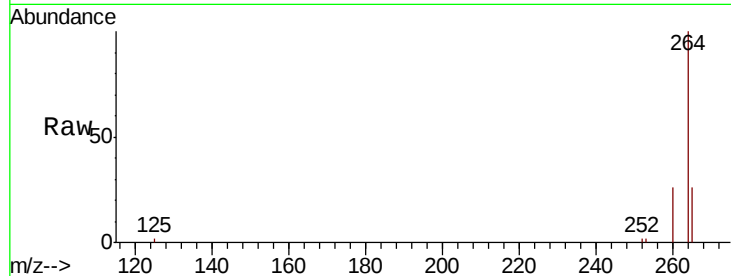
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2201
 Delta R.T. 0.00 min
 Lab File: BE099500.D
 Acq: 2 May 2019 19:20

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-B010-042219

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	30578		
260	25.7		20.2	30.2
265	26.1		21.3	31.9

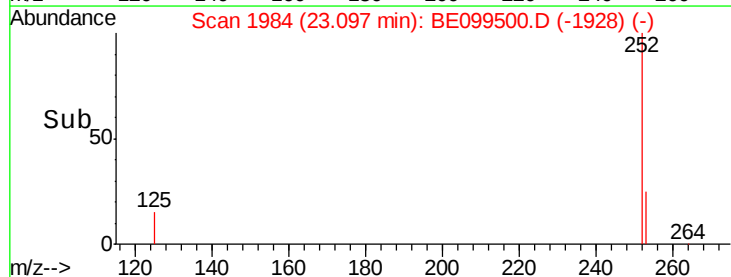
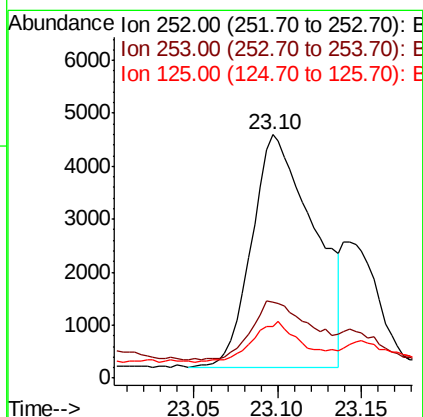
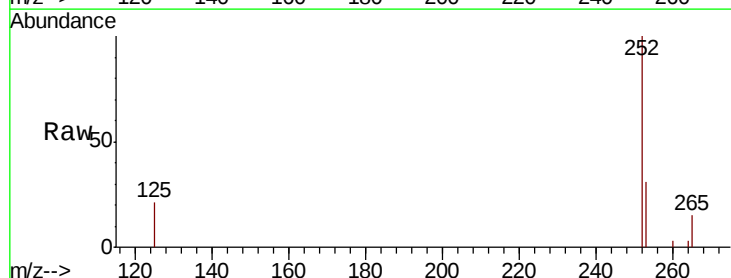
Manual Integrations
 APPROVED

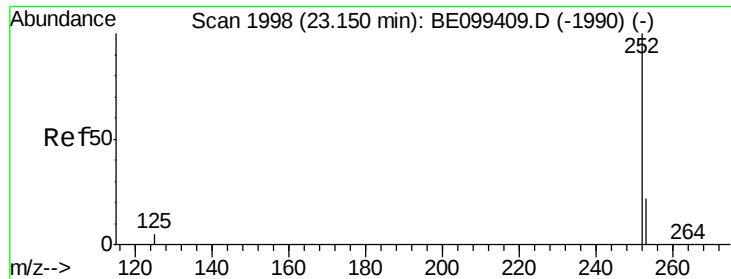
Sohil
 5/3/2019 4:23:23 PM



#35
 Benzo(b)fluoranthene
 Concen: 0.129 ng
 RT: 23.10 min Scan# 1984
 Delta R.T. -0.00 min
 Lab File: BE099500.D
 Acq: 2 May 2019 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	11333		
253	31.1		18.1	27.1#
125	21.4		5.6	8.4#





#36

Benzo(k)fluoranthene

Concen: 0.043 ng m

RT: 23.14 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Instrument :

BNA_E

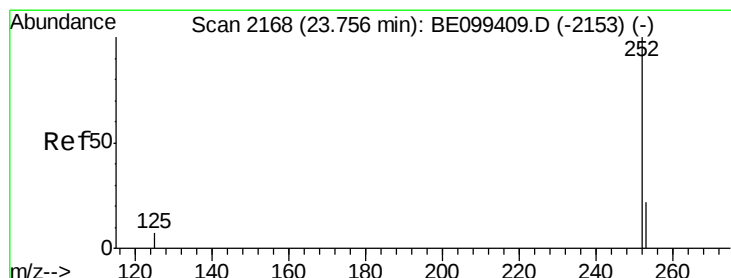
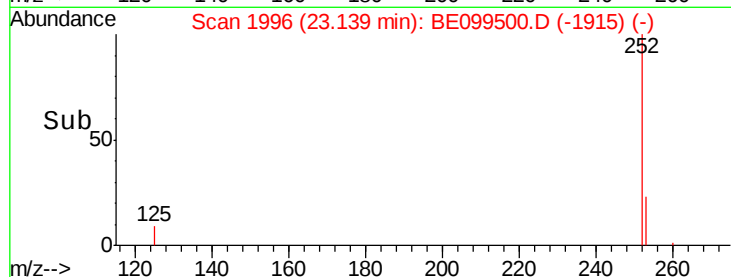
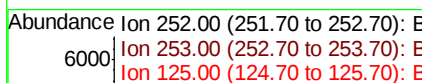
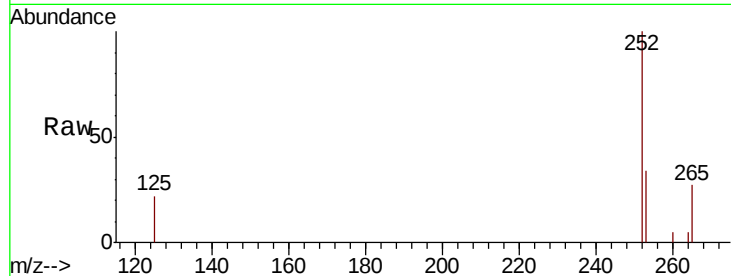
ClientSampleId :

PST-028-B010-042219

Tgt Ion:	252	Resp:	3618
Ion Ratio	Lower	Upper	
252	100		
253	34.3	18.4	27.6#
125	21.7	5.0	7.4#

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:23 PM



#37

Benzo(a)pyrene

Concen: 0.099 ng

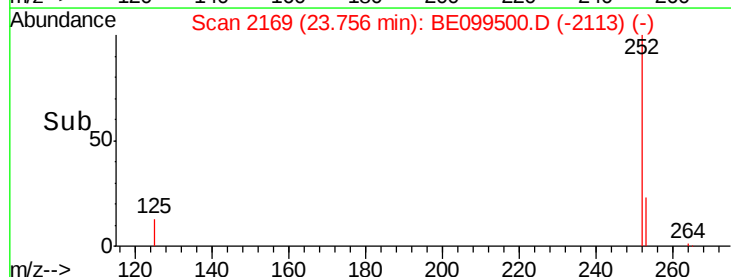
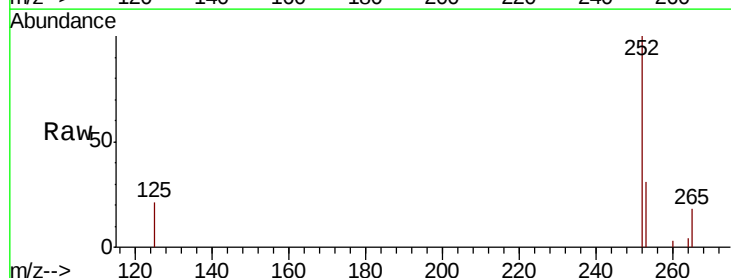
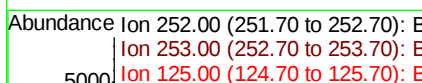
RT: 23.76 min Scan# 2169

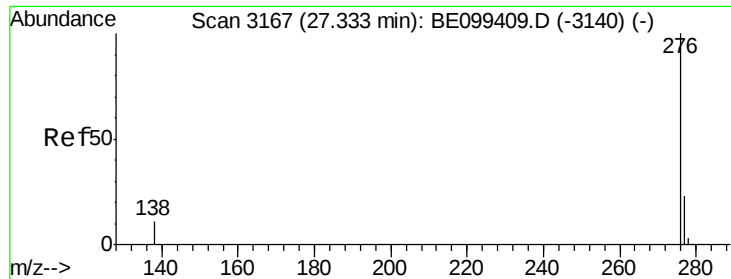
Delta R.T. -0.00 min

Lab File: BE099500.D

Acq: 2 May 2019 19:20

Tgt Ion:	252	Resp:	8251
Ion Ratio	Lower	Upper	
252	100		
253	31.4	18.9	28.3#
125	21.2	6.7	10.1#





#39

Benzo(g,h,i)perylene

Concen: 0.062 ng

RT: 27.34 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BE099500.D

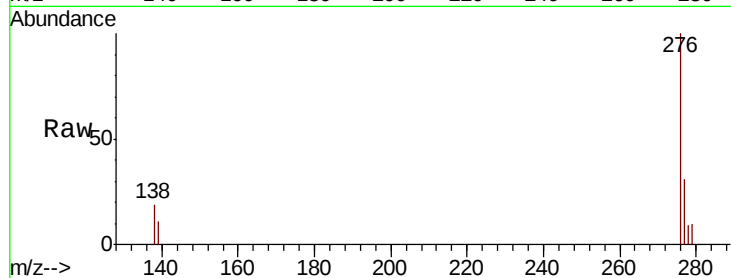
Acq: 2 May 2019 19:20

Instrument :

BNA_E

ClientSampleId :

PST-028-B010-042219



Tgt Ion:	276	Resp:	5270
Ion Ratio	Lower	Upper	
276	100		
277	30.6	19.5	29.3#
138	19.1	9.6	14.4#

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:23 PM

