

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
 Data File : BE099497.D
 Acq On : 2 May 2019 17:33
 Operator : JU/SJ
 Sample : K2589-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B196-042519

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:23:15 PM

Quant Time: May 03 04:54:58 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	7.81	152	2584	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8946	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6456	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	20569	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29137	0.40	ng	0.00
34) Perylene-d12	23.87	264	32728	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2937	0.41	ng	0.00
5) Phenol-d6	6.97	99	4219	0.44	ng	0.00
8) Nitrobenzene-d5	8.96	82	3340	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5686	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1957	0.48	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	8503	0.35	ng	0.00
25) Fluoranthene-d10	19.22	212	91954	0.33	ng	0.00
29) Terphenyl-d14	19.82	244	18421	0.35	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.23	178	5725	0.108	ng	98
26) Fluoranthene	19.25	202	13943	0.175	ng	# 99
28) Pyrene	19.61	202	13202	0.174	ng	# 95
30) Benzo(a)anthracene	21.35	228	9609	0.104	ng	93
31) Chrysene	21.40	228	8312	0.091	ng	95
32) Bis(2-ethylhexyl)phthalate	21.27	149	20734	0.087	ng	100
33) Indeno(1,2,3-cd)pyrene	26.52	276	4628	0.043	ng	# 97
35) Benzo(b)fluoranthene	23.10	252	10938	0.116	ng	# 76
36) Benzo(k)fluoranthene	23.15	252	3228m	0.035	ng	
37) Benzo(a)pyrene	23.75	252	7176	0.080	ng	# 74
39) Benzo(g,h,i)perylene	27.33	276	4421	0.048	ng	# 87

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

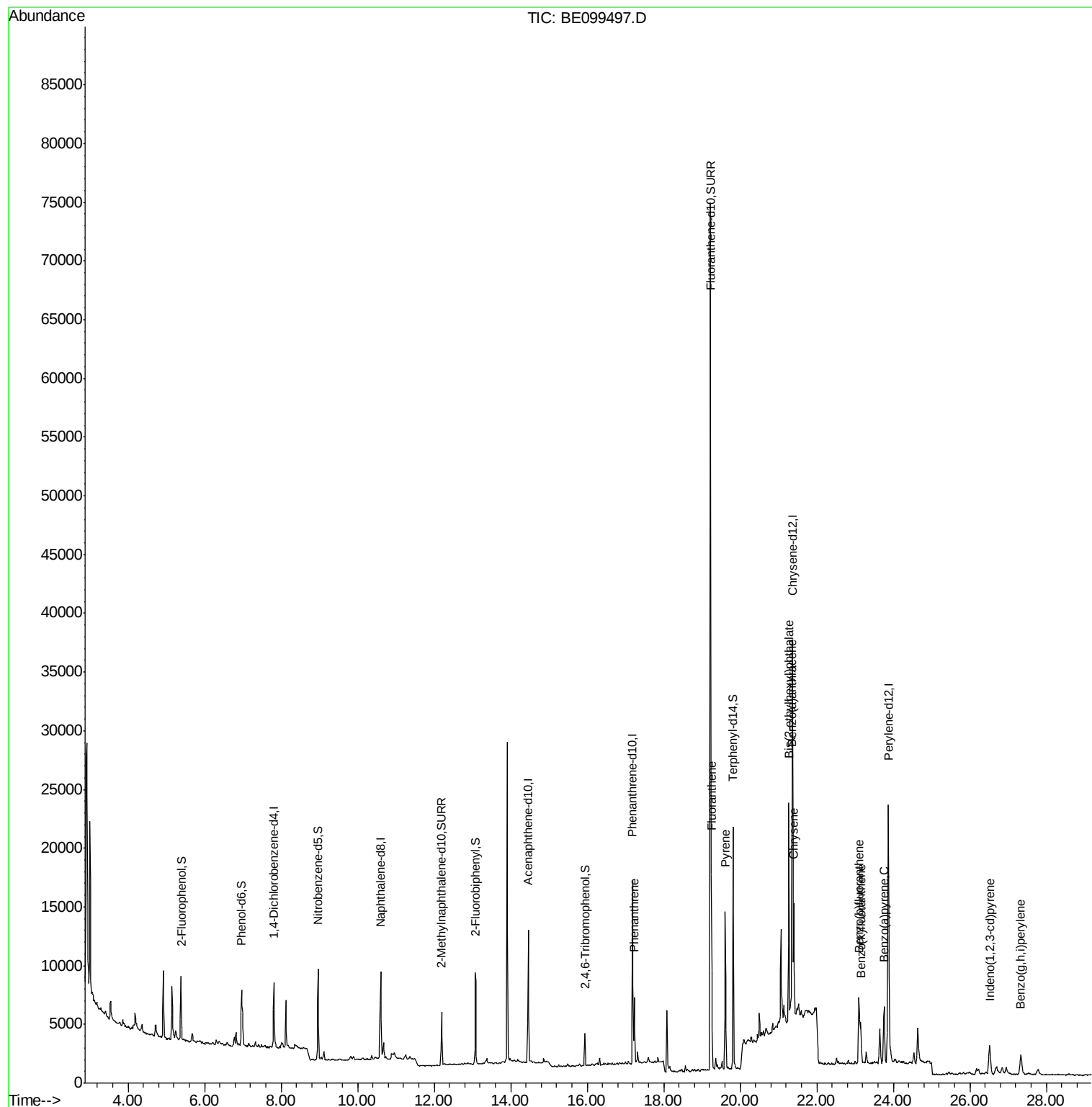
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
Data File : BE099497.D
Acq On : 2 May 2019 17:33
Operator : JU/SJ
Sample : K2589-03
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:15 PM

Quant Time: May 03 04:54:58 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

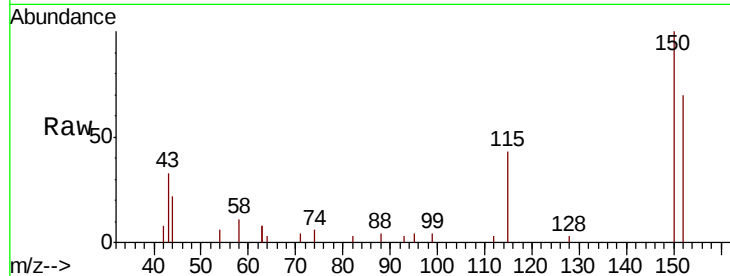




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099497.D
Acq: 2 May 2019 17:33

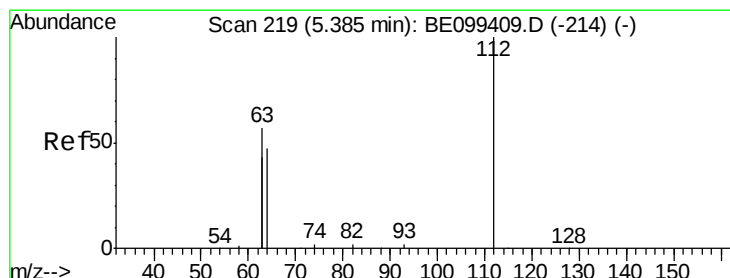
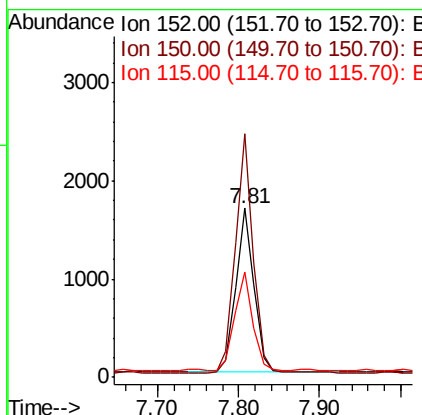
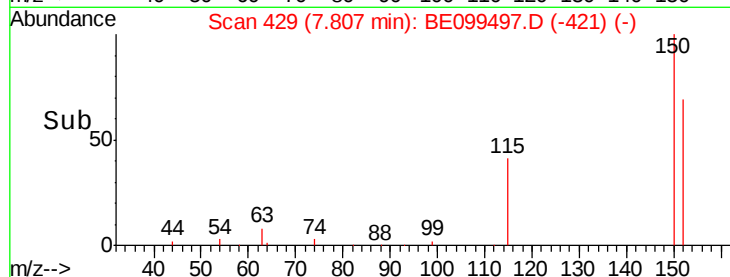
Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519



Tgt Ion:152 Resp: 2584
Ion Ratio Lower Upper
152 100
150 143.8 104.8 157.2
115 62.1 46.6 69.8

Manual Integrations
APPROVED

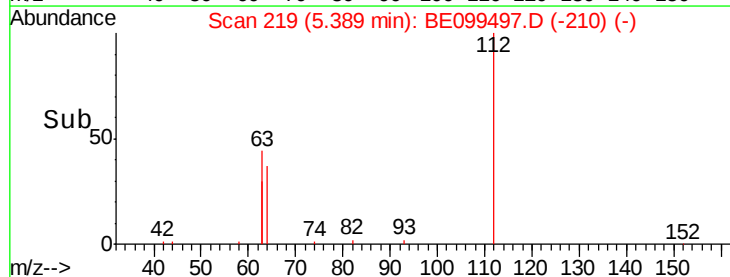
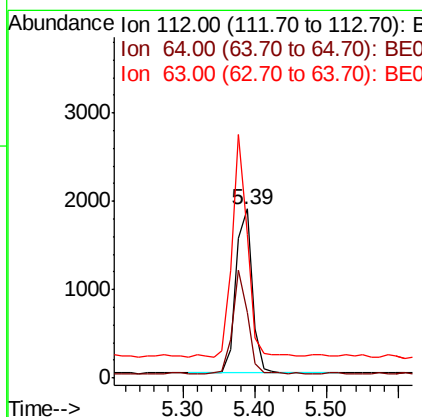
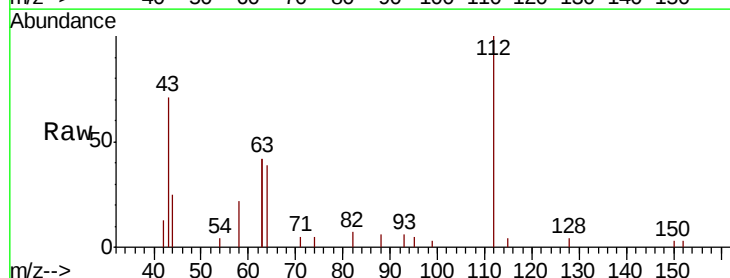
Sohil
5/3/2019 4:23:15 PM



#4

2-Fluorophenol
Concen: 0.411 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099497.D
Acq: 2 May 2019 17:33

Tgt Ion:112 Resp: 2937
Ion Ratio Lower Upper
112 100
64 57.0 47.4 71.0
63 125.5 104.3 156.5





#5

Phenol-d6

Concen: 0.444 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

Instrument :

BNA_E

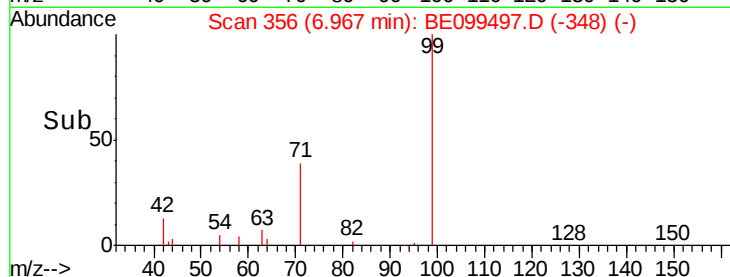
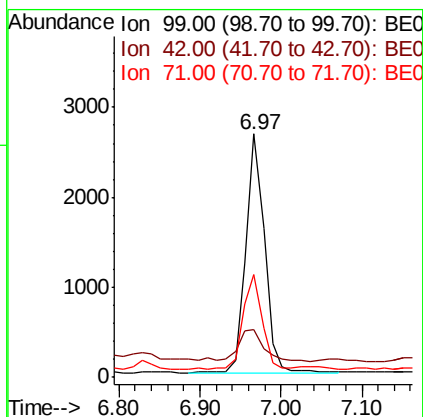
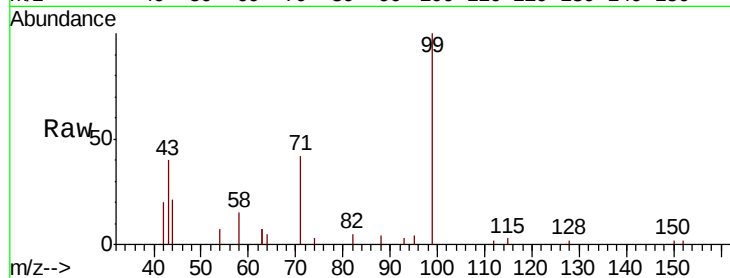
ClientSampleId :

PST-001-B196-042519

Tgt Ion:	99	Resp:	4219
Ion	Ratio	Lower	Upper
99	100		
42	18.6	14.9	22.3
71	40.2	33.0	49.6

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:15 PM



#7

Naphthalene-d8

Concen: 0.400 ng

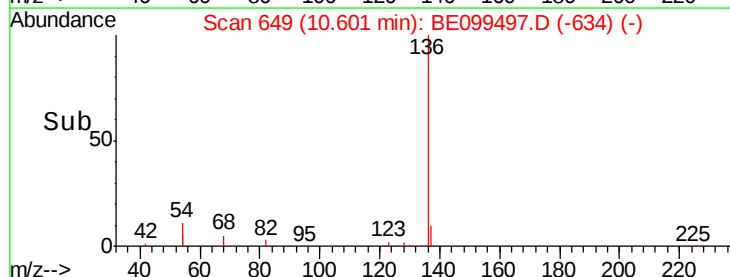
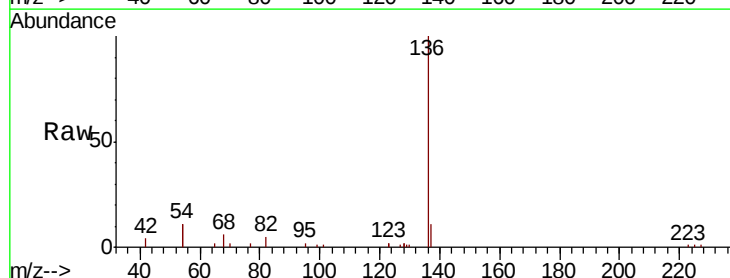
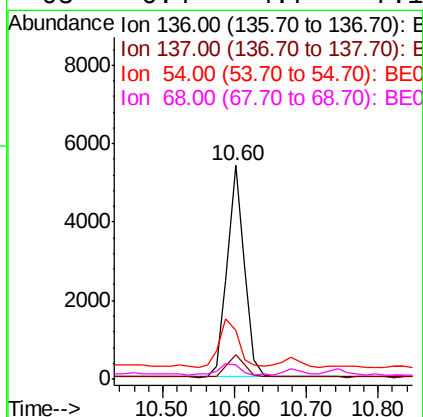
RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

Tgt Ion:	136	Resp:	8946
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.8	14.8
54	22.5	18.5	27.7
68	6.4	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.398 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

Instrument :

BNA_E

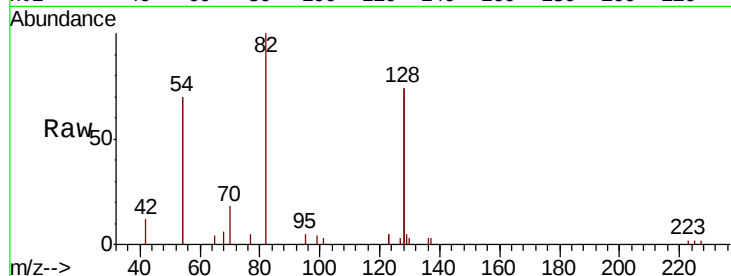
ClientSampleId :

PST-001-B196-042519

Tgt Ion:	82	Resp:	3340
Ion	Ratio	Lower	Upper
82	100		
128	148.1	107.0	160.4
54	139.7	113.1	169.7

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:15 PM

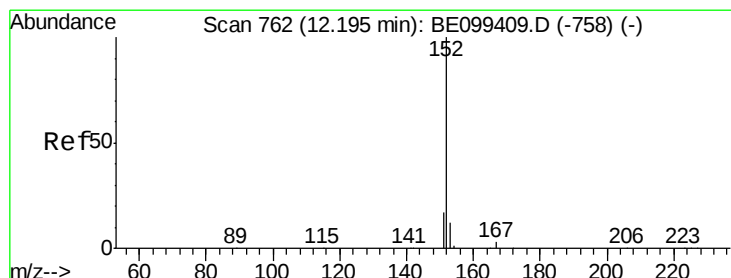
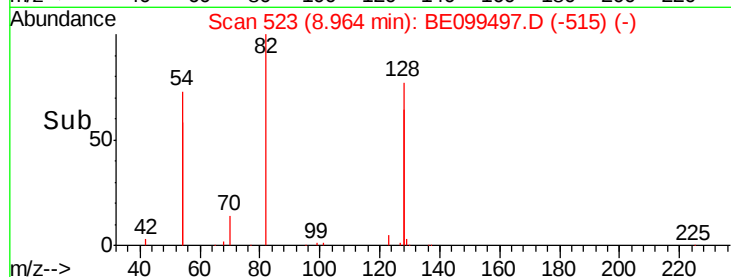
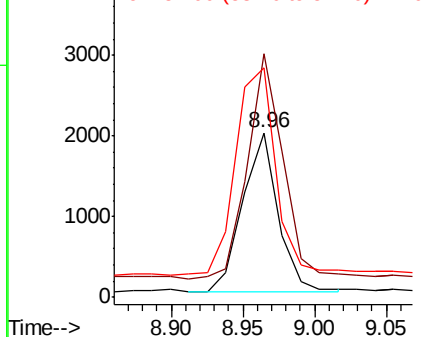


Abundance

Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.353 ng

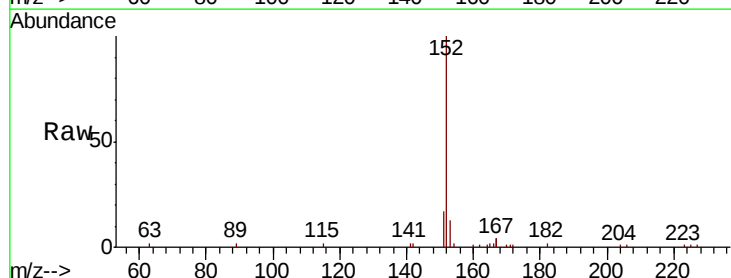
RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

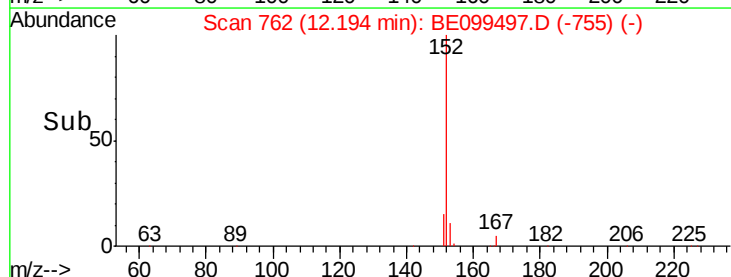
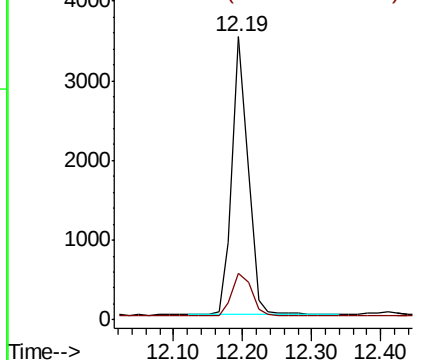
Tgt Ion:	152	Resp:	5686
Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.5	23.3

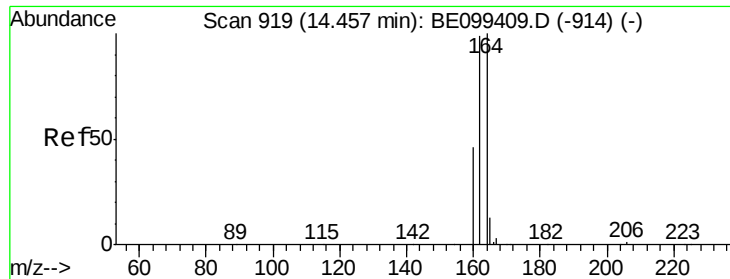


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





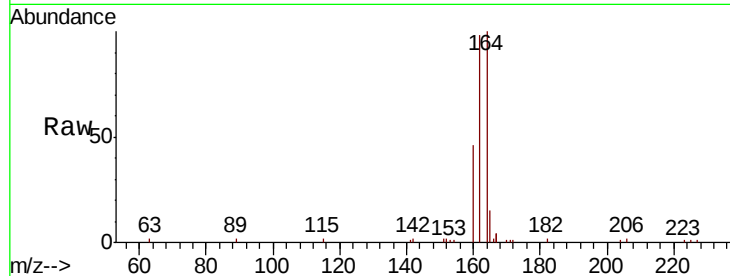
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099497.D
 Acq: 2 May 2019 17:33

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B196-042519

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.8	79.0	118.4
160	46.0	37.0	55.4

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:23:15 PM

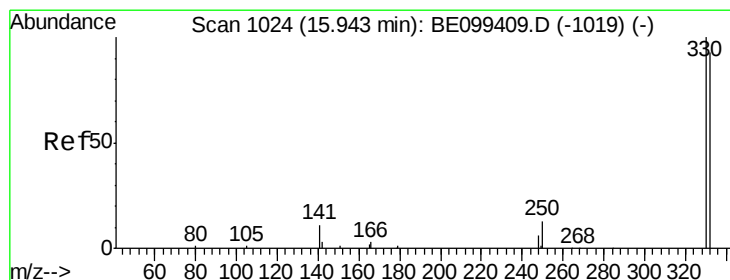
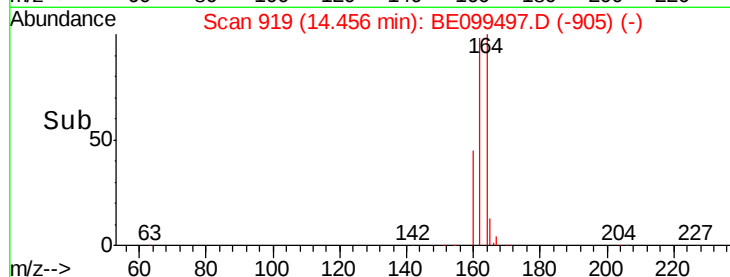
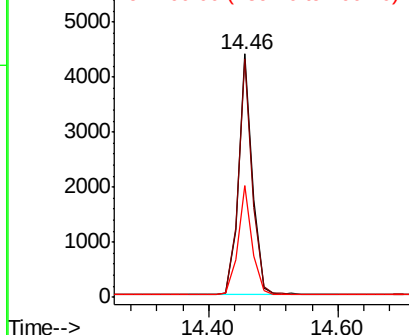


Abundance

Ion 164.00 (163.70 to 164.70): E

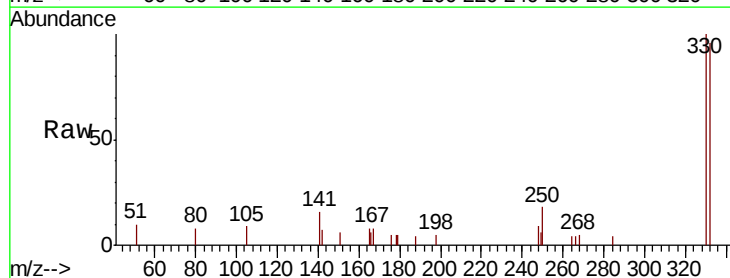
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
 2,4,6-Tribromophenol
 Concen: 0.481 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099497.D
 Acq: 2 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.3	71.5	107.3
141	28.9	24.0	36.0

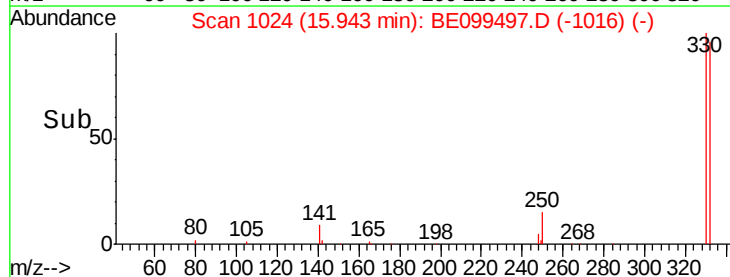
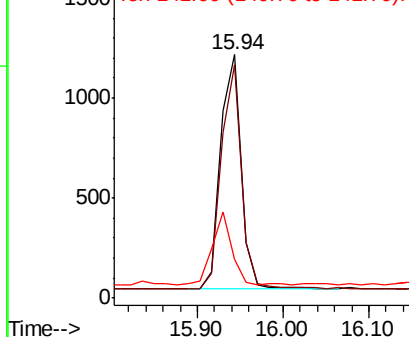


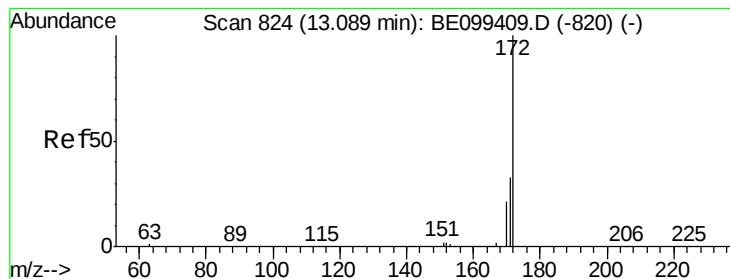
Abundance

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





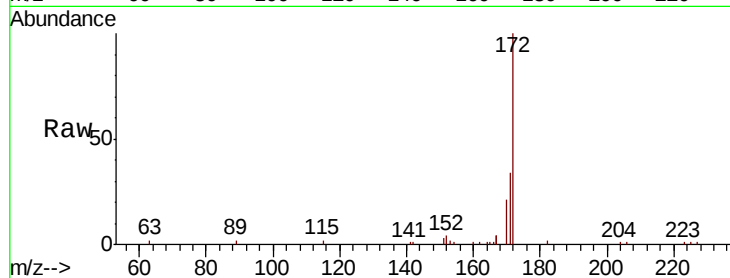
#15
 2-Fluorobiphenyl
 Concen: 0.345 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BE099497.D
 Acq: 2 May 2019 17:33

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B196-042519

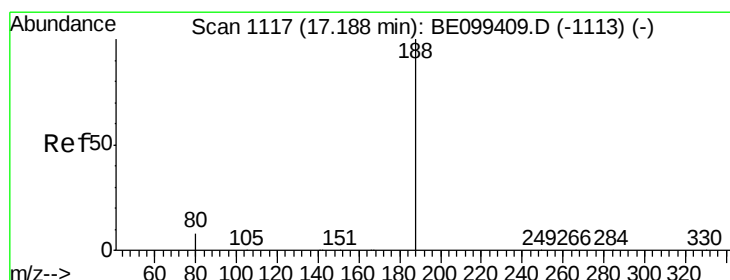
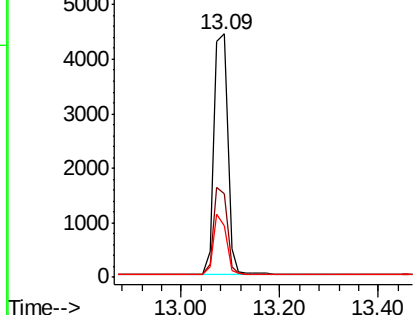
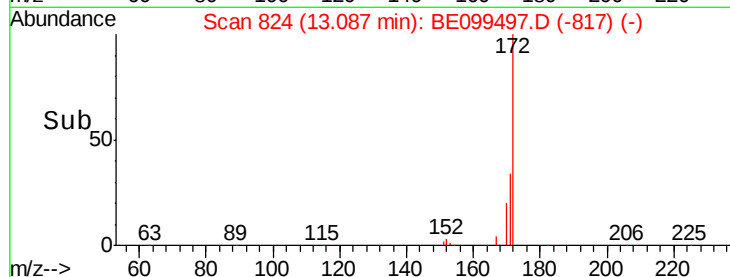
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	26.6	39.8
170	21.0	17.0	25.6

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:23:15 PM

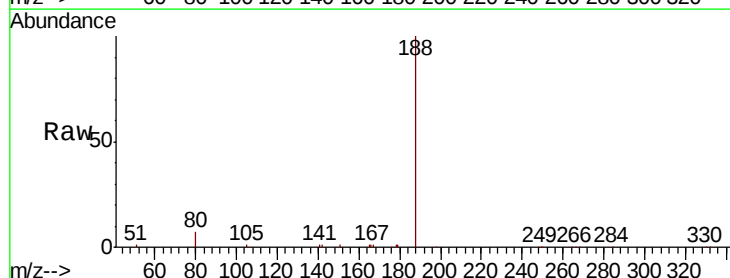


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

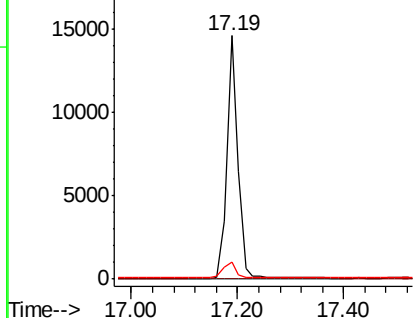
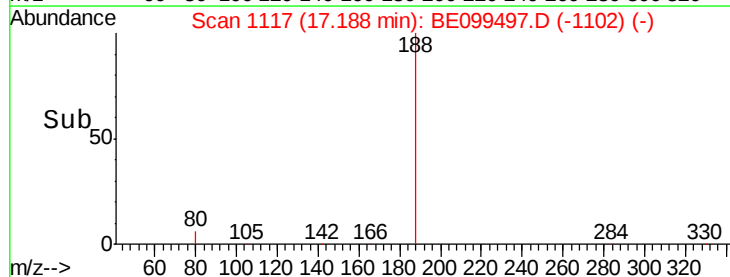


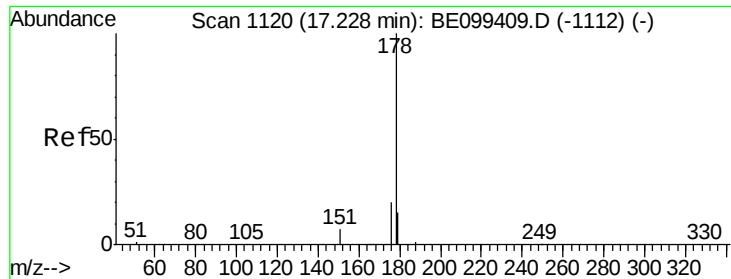
#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. 0.00 min
 Lab File: BE099497.D
 Acq: 2 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.9	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: 0.108 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

Instrument :

BNA_E

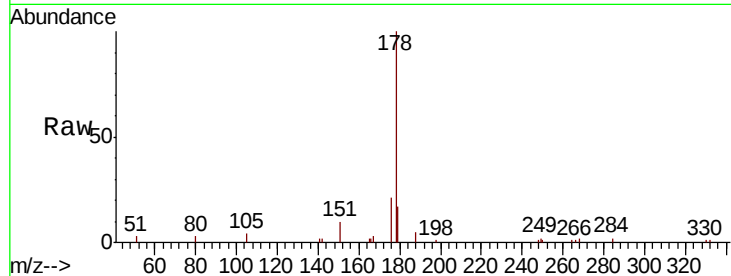
ClientSampleId :

PST-001-B196-042519

Tgt Ion:	178	Resp:	5725
Ion Ratio	Lower	Upper	
178	100		
176	20.3	15.6	23.4
179	16.0	12.0	18.0

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:15 PM

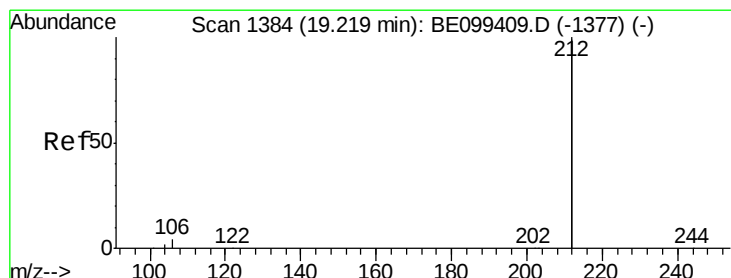
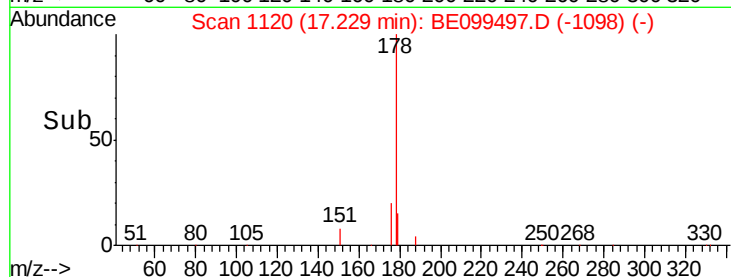
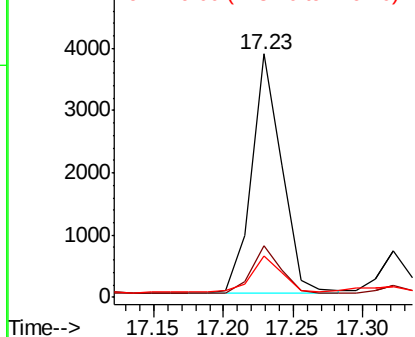


Abundance

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



#25

Fluoranthene-d10

Concen: 0.332 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

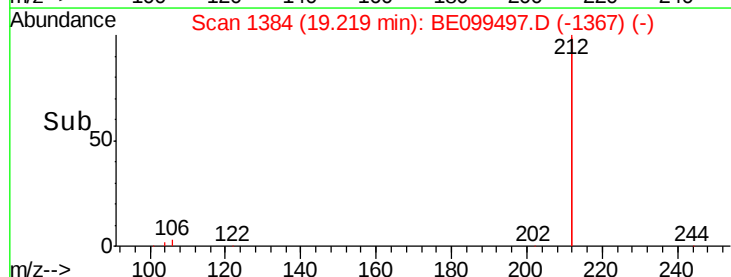
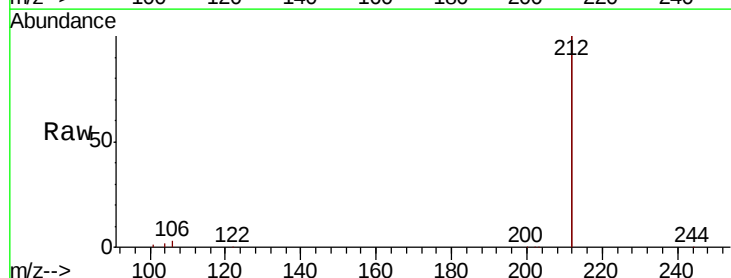
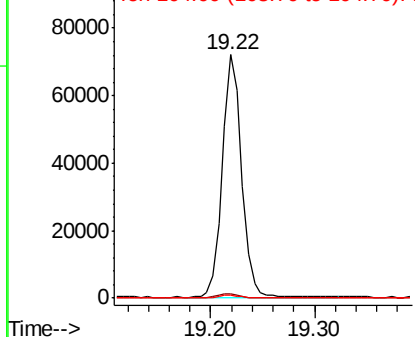
Tgt Ion:	212	Resp:	91954
Ion Ratio	Lower	Upper	
212	100		
106	1.8	1.5	2.3
104	1.3	0.9	1.3

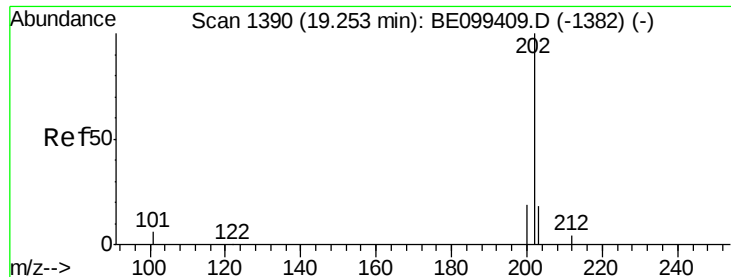
Abundance

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





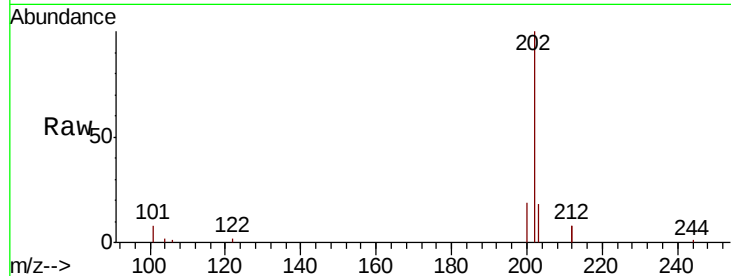
#26
Fluoranthene
Concen: 0.175 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099497.D
Acq: 2 May 2019 17:33

Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	5.4	8.0#
203	17.6	13.9	20.9

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:15 PM

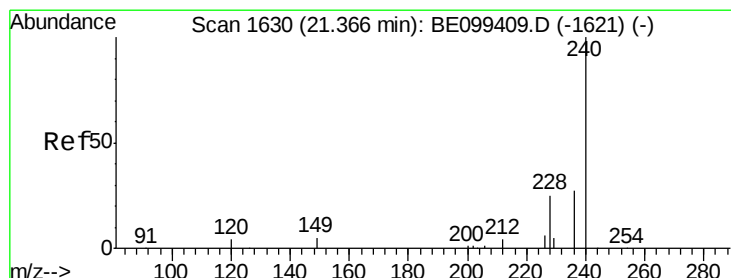
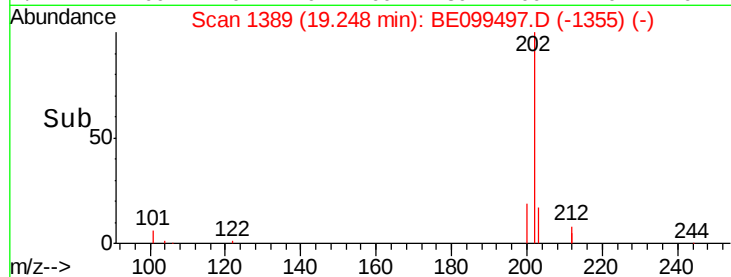
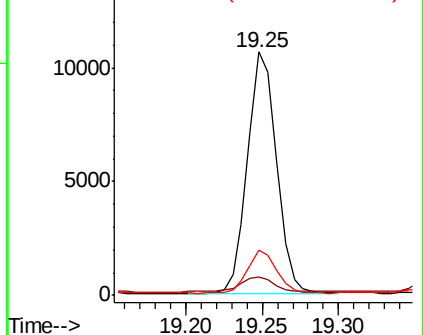


Abundance

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: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099497.D
Acq: 2 May 2019 17:33

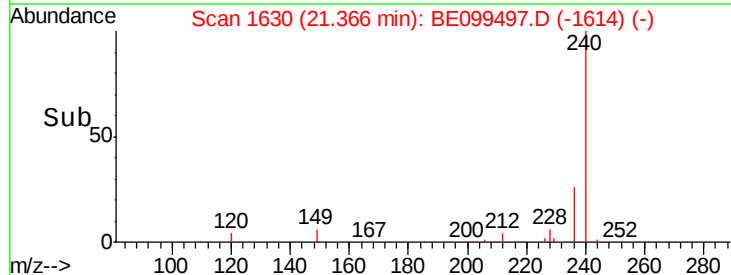
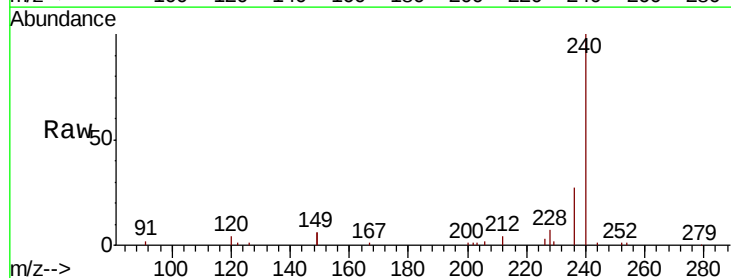
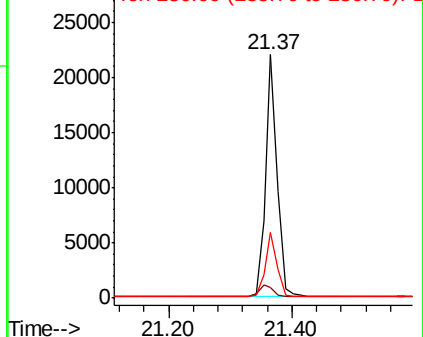
Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.4	4.0	6.0
236	26.9	22.0	33.0

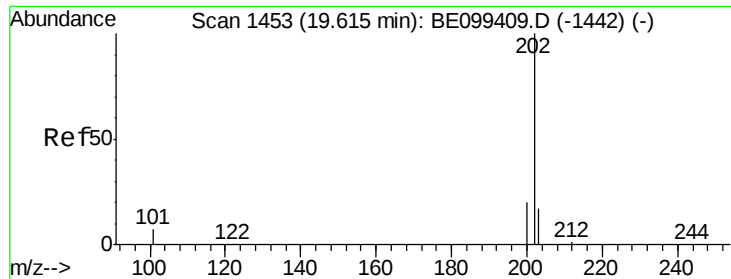
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





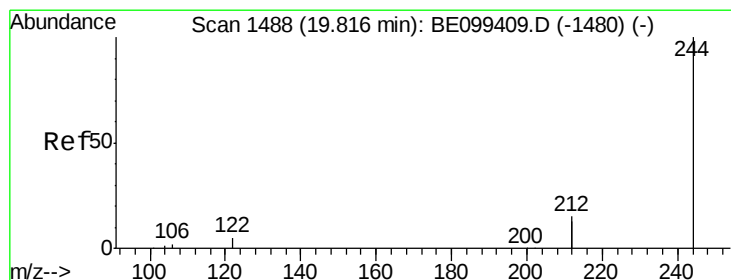
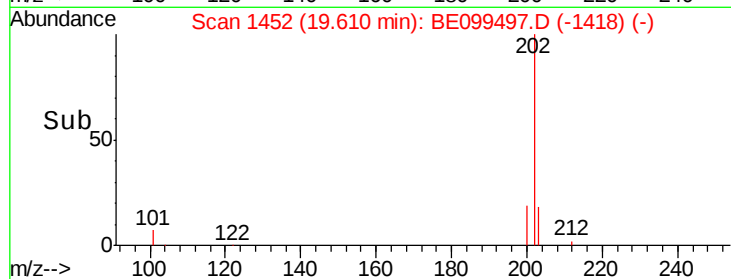
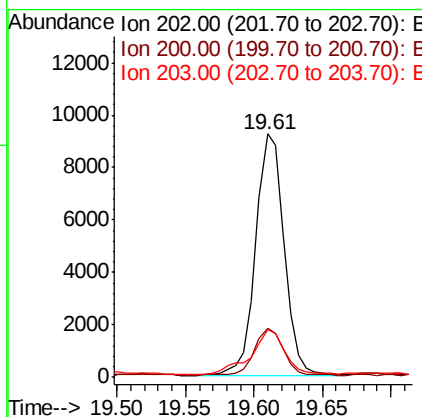
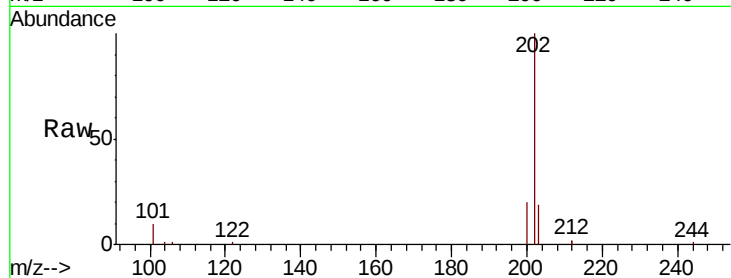
#28
Pyrene
Concen: 0.174 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099497.D
Acq: 2 May 2019 17:33

Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	21.6	13.9	20.9

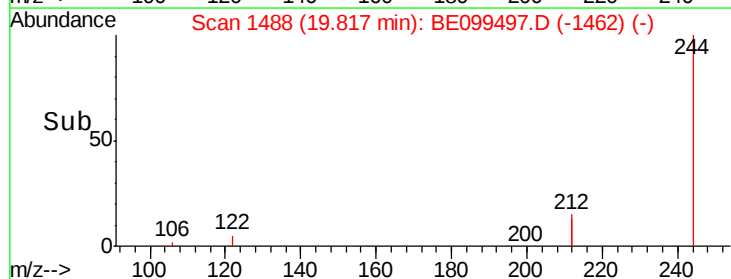
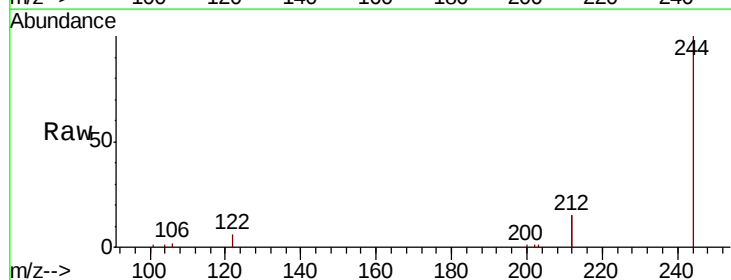
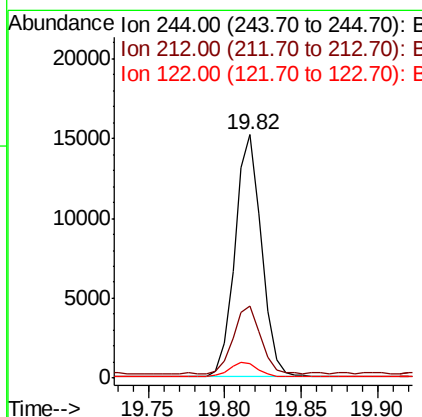
Manual Integrations
APPROVED

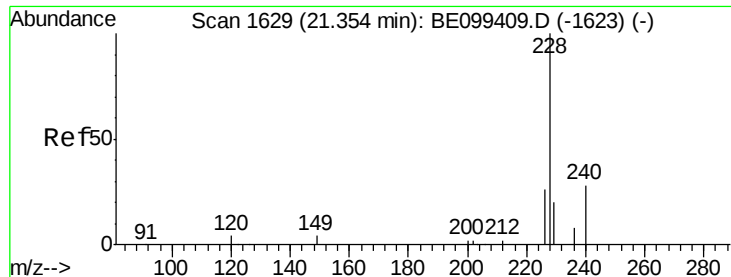
Sohil
5/3/2019 4:23:15 PM



#29
Terphenyl-d14
Concen: 0.345 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099497.D
Acq: 2 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	29.9	23.2	34.8
122	5.9	4.2	6.4





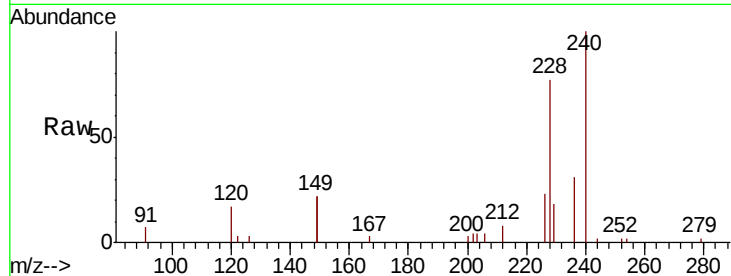
#30
Benzo(a)anthracene
Concen: 0.104 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099497.D
Acq: 2 May 2019 17:33

Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.0	31.6
229	23.8	16.6	25.0

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:15 PM

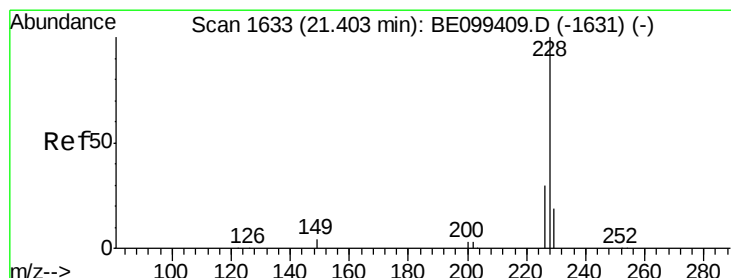
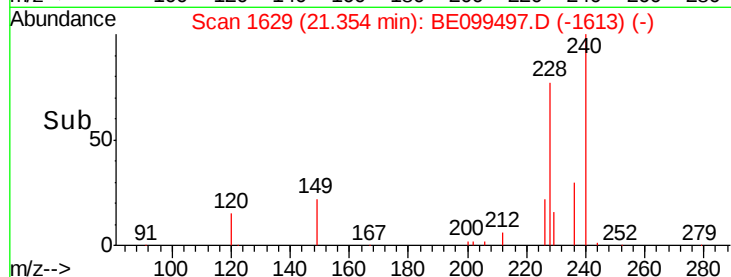
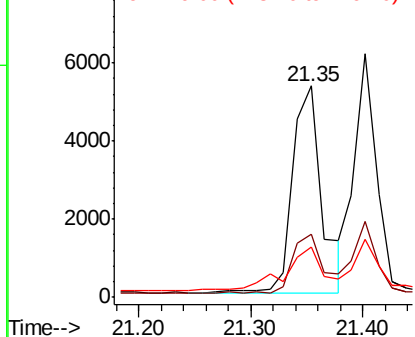


Abundance

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: 0.091 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099497.D
Acq: 2 May 2019 17:33

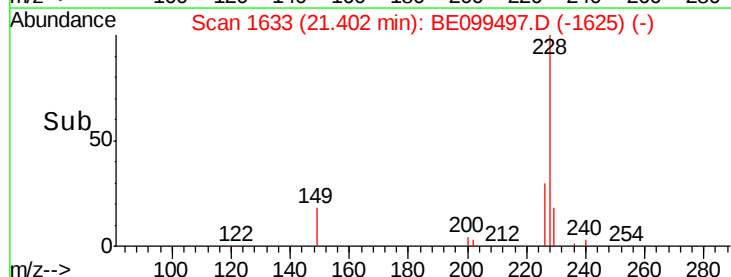
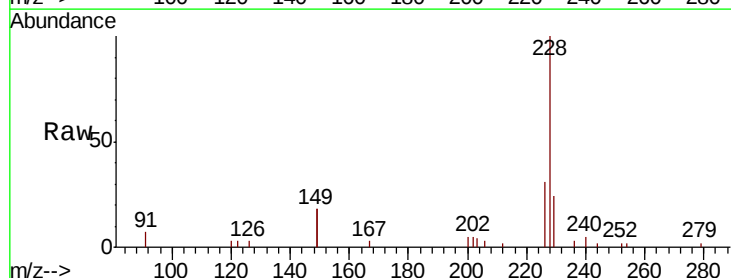
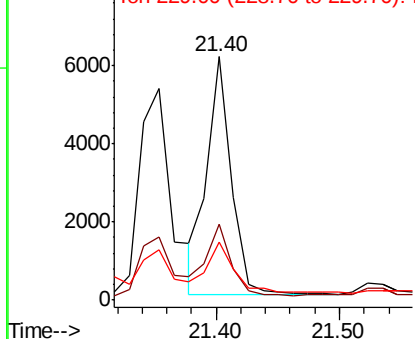
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.0	36.0
229	23.7	15.8	23.8

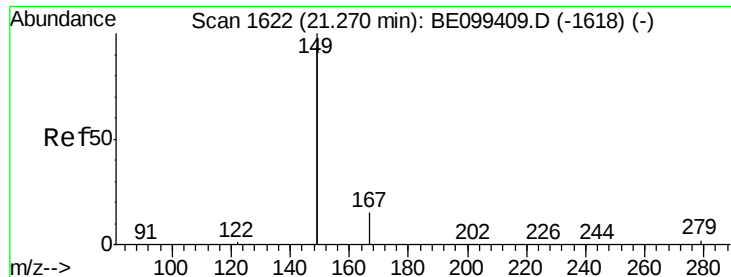
Abundance

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: 0.087 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

Instrument :

BNA_E

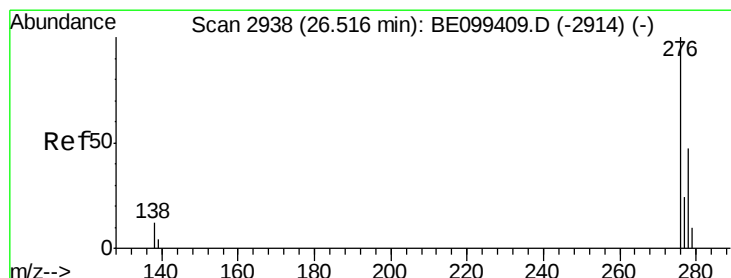
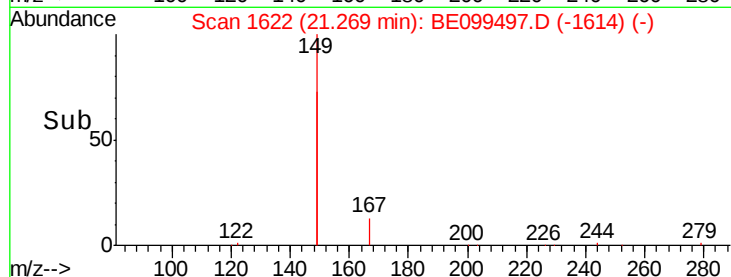
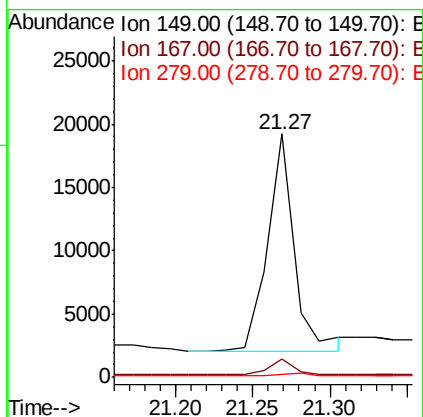
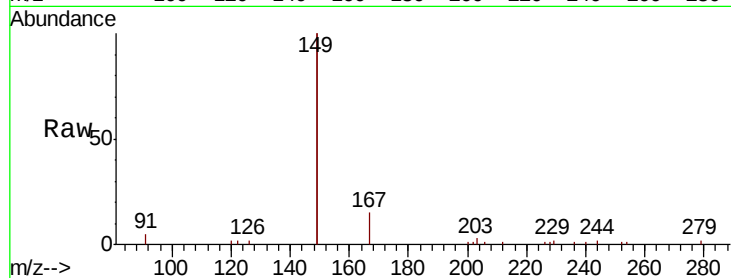
ClientSampleId :

PST-001-B196-042519

Tgt Ion:	149	Resp:	20734
Ion Ratio	Lower	Upper	
149	100		
167	7.2	5.8	8.6
279	1.4	1.0	1.6

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:15 PM



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.043 ng

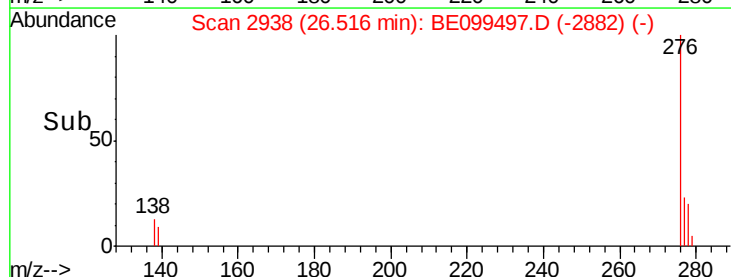
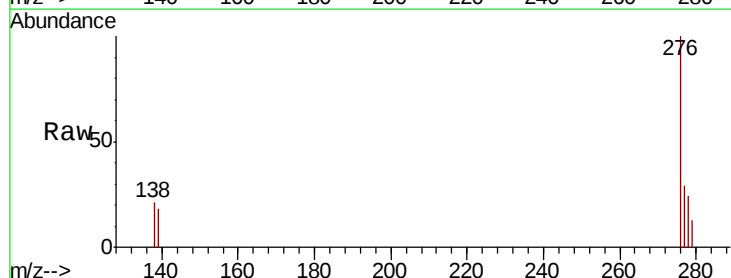
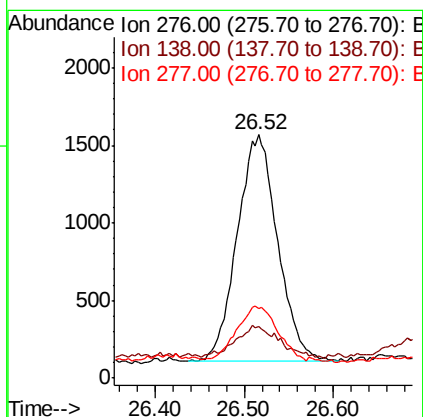
RT: 26.52 min Scan# 2938

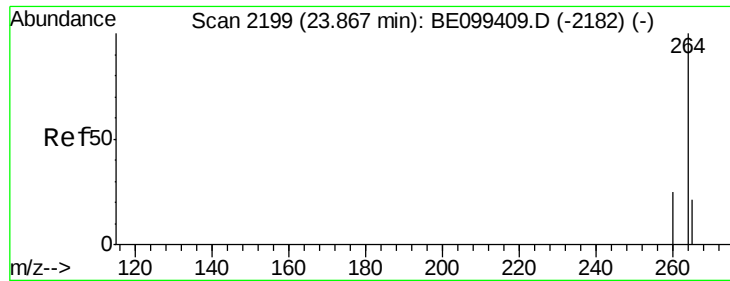
Delta R.T. -0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

Tgt Ion:	276	Resp:	4628
Ion Ratio	Lower	Upper	
276	100		
138	15.8	10.2	15.2#
277	24.1	19.2	28.8





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.87 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BE099497.D

Acq: 2 May 2019 17:33

Instrument :

BNA_E

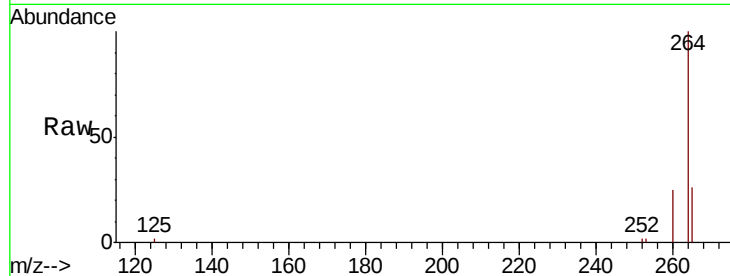
ClientSampleId :

PST-001-B196-042519

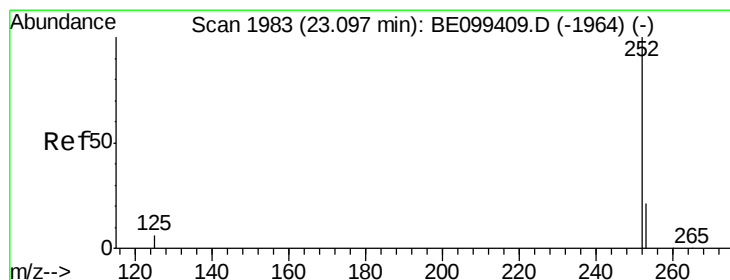
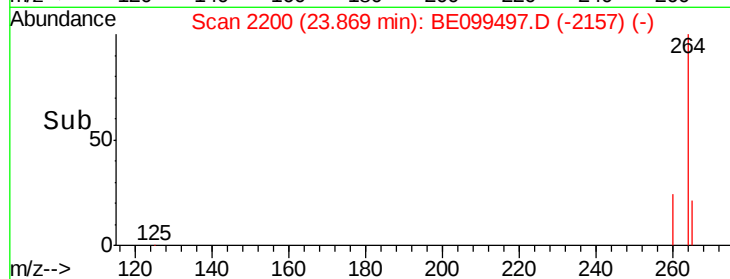
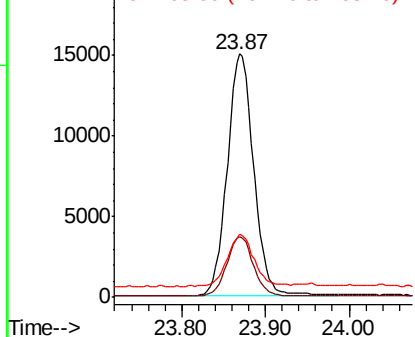
Tgt Ion:	264	Resp:	32728
Ion Ratio	Lower	Upper	
264	100		
260	24.8	20.2	30.2
265	25.8	21.3	31.9

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:15 PM



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: 0.116 ng

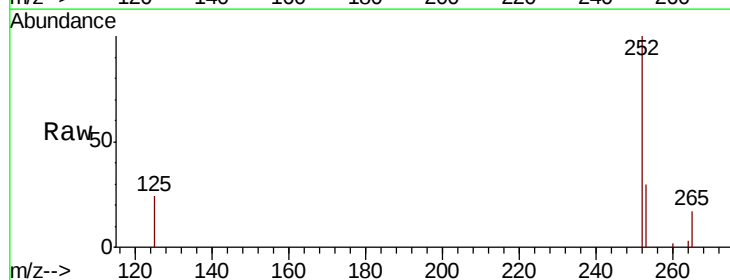
RT: 23.10 min Scan# 1985

Delta R.T. 0.01 min

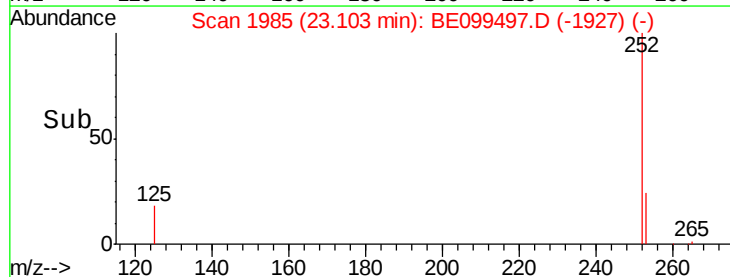
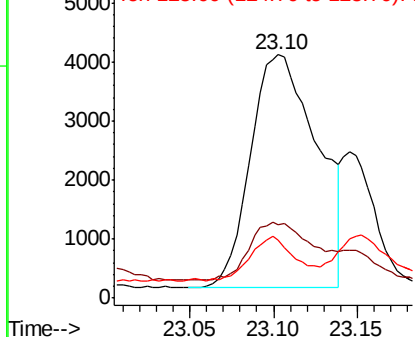
Lab File: BE099497.D

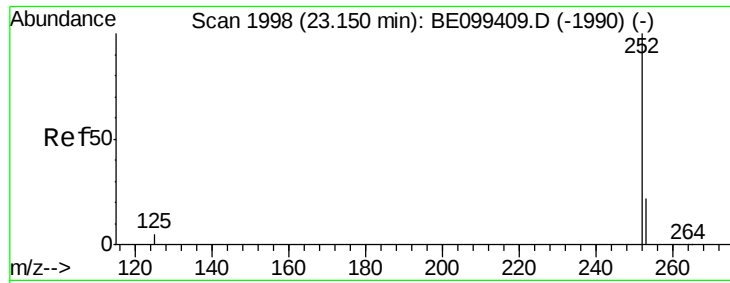
Acq: 2 May 2019 17:33

Tgt Ion:	252	Resp:	10938
Ion Ratio	Lower	Upper	
252	100		
253	30.3	18.1	27.1#
125	24.1	5.6	8.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





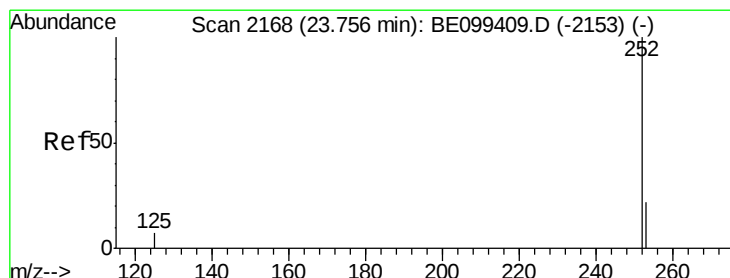
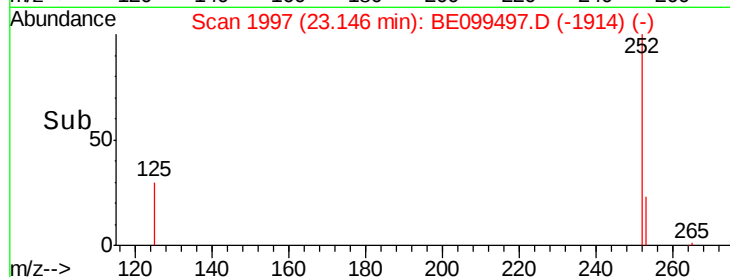
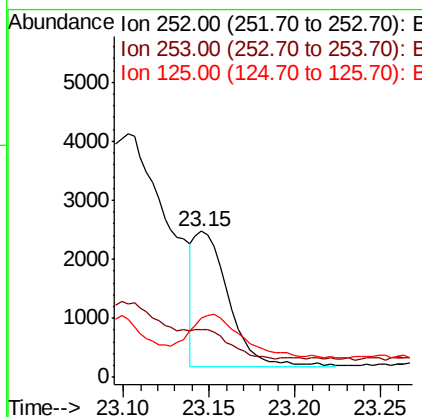
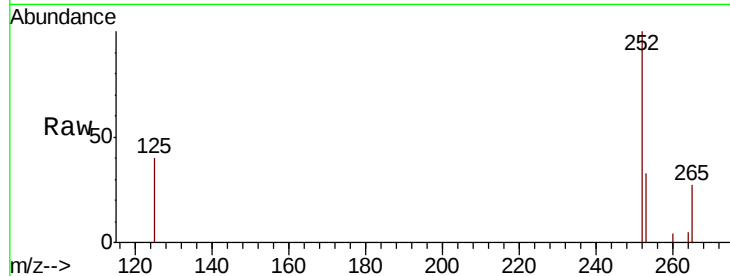
#36
Benzo(k)fluoranthene
Concen: 0.035 ng m
RT: 23.15 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BE099497.D
Acq: 2 May 2019 17:33

Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.0	18.4	27.6#
125	40.4	5.0	7.4#

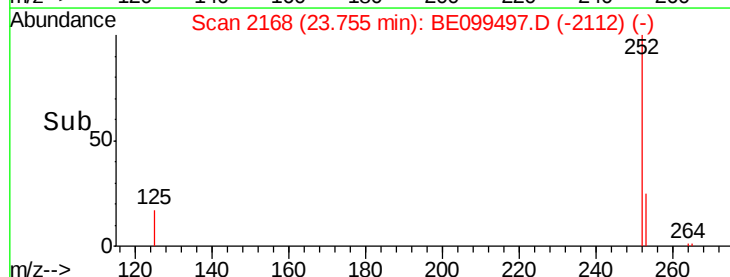
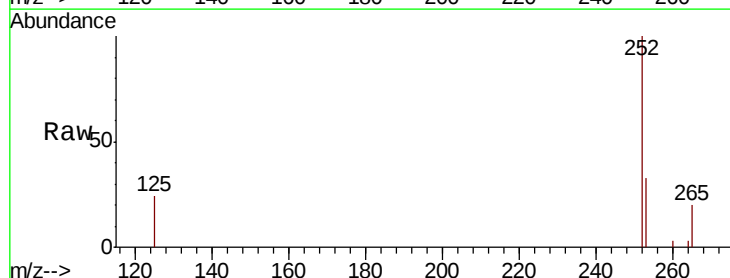
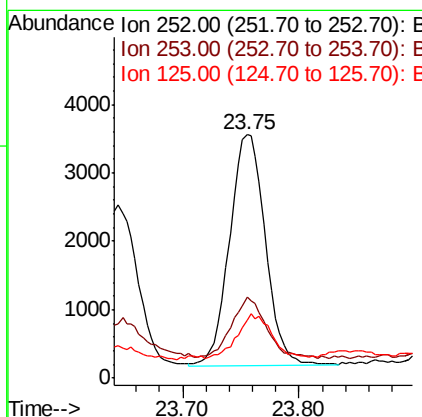
Manual Integrations
APPROVED

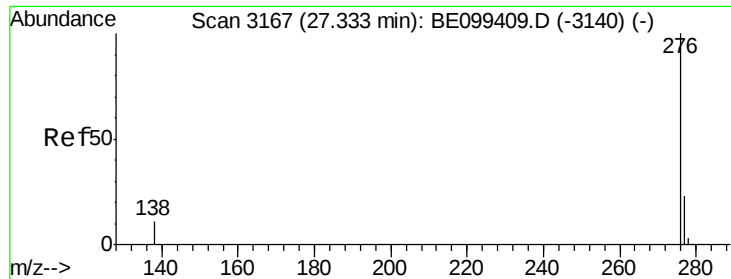
Sohil
5/3/2019 4:23:15 PM



#37
Benzo(a)pyrene
Concen: 0.080 ng
RT: 23.75 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BE099497.D
Acq: 2 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.1	18.9	28.3#
125	24.0	6.7	10.1#





#39

Benzo(g,h,i)perylene

Concen: 0.048 ng

RT: 27.33 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BE099497.D

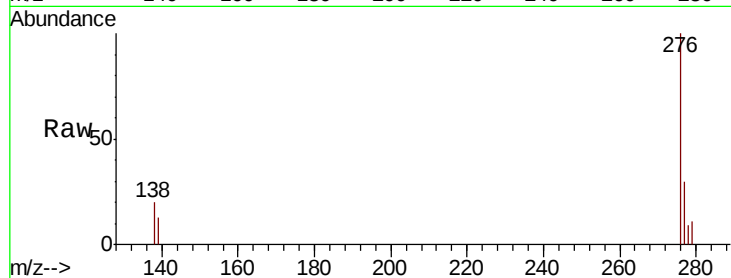
Acq: 2 May 2019 17:33

Instrument :

BNA_E

ClientSampleId :

PST-001-B196-042519



Tgt Ion:	276	Resp:	4421
Ion Ratio	Lower	Upper	
276	100		
277	29.5	19.5	29.3#
138	19.6	9.6	14.4#

Manual Integrations
APPROVED

Sohil
5/3/2019 4:23:15 PM

