

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
 Data File : BE099465.D
 Acq On : 1 May 2019 15:54
 Operator : JU/SJ
 Sample : K2589-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B187-042419

Manual Integrations
 APPROVED

Sohil
 5/2/2019 4:47:30 PM

Quant Time: May 02 08:16:05 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	1832	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	7032	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6078	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	19535	0.40	ng	0.00
27) Chrysene-d12	21.37	240	23026	0.40	ng	0.00
34) Perylene-d12	23.86	264	26875	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	1224	0.24	ng	0.00
5) Phenol-d6	6.96	99	1929	0.29	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1469	0.22	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	2828	0.22	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	955	0.25	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	4284	0.18	ng	-0.02
25) Fluoranthene-d10	19.22	212	51074	0.19	ng	0.00
29) Terphenyl-d14	19.81	244	10133	0.24	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.23	178	3940	0.078	ng	95
26) Fluoranthene	19.25	202	9333	0.124	ng	99
28) Pyrene	19.61	202	9841	0.164	ng	97
30) Benzo(a)anthracene	21.34	228	5718	0.078	ng	92
31) Chrysene	21.40	228	6181m	0.086	ng	
32) Bis(2-ethylhexyl)phthalate	21.26	149	12600	0.050	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.50	276	3647	0.043	ng	98
35) Benzo(b)fluoranthene	23.09	252	7619	0.098	ng	# 69
36) Benzo(k)fluoranthene	23.14	252	2701m	0.036	ng	
37) Benzo(a)pyrene	23.75	252	5422	0.074	ng	# 73
39) Benzo(g,h,i)perylene	27.32	276	3817	0.051	ng	# 87

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

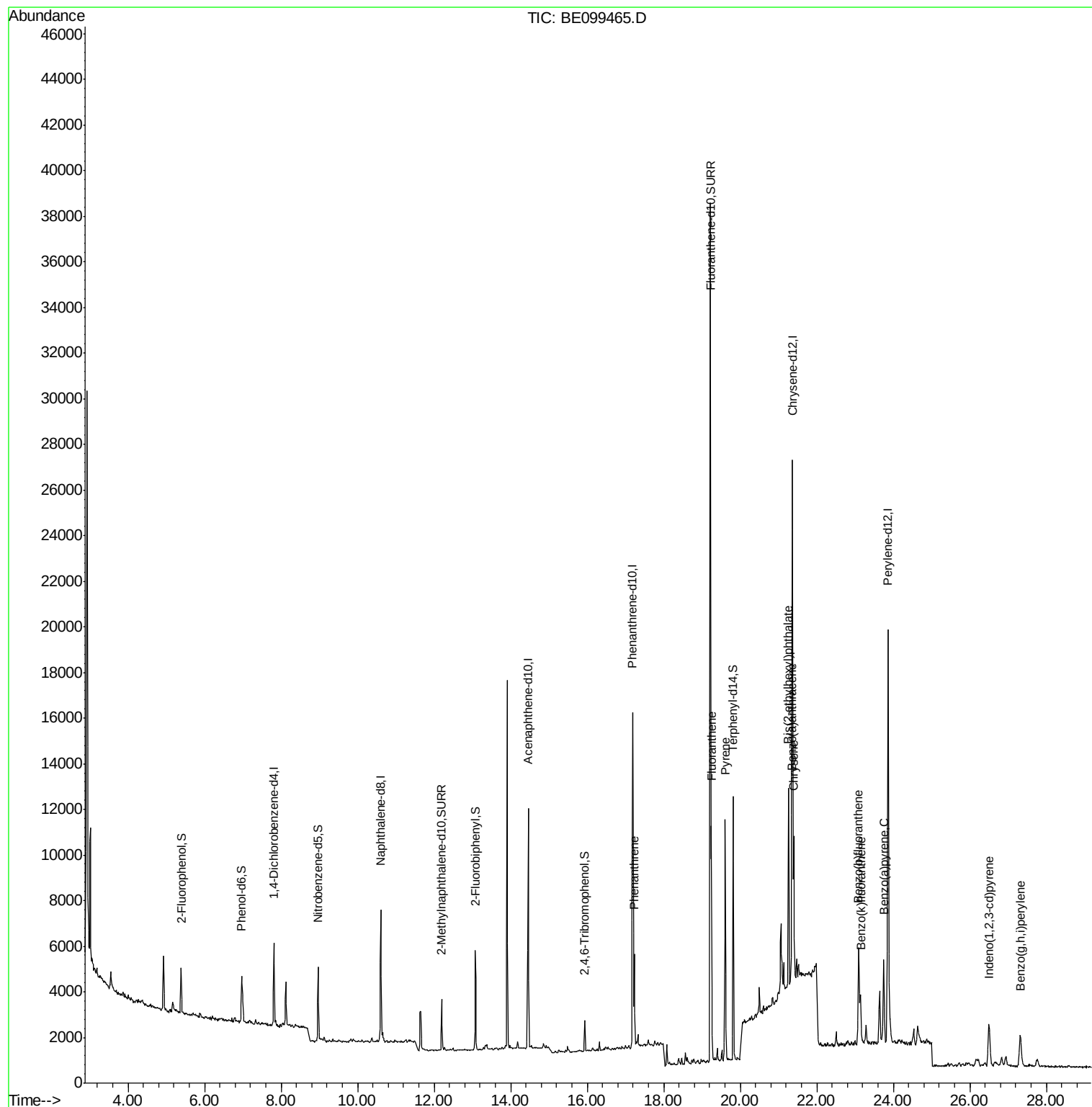
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
Data File : BE099465.D
Acq On : 1 May 2019 15:54
Operator : JU/SJ
Sample : K2589-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

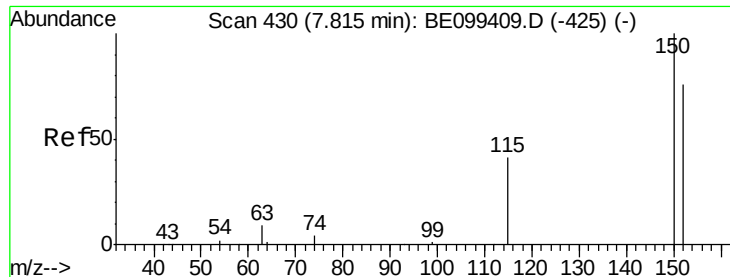
Instrument :
BNA_E
ClientSampleId :
PST-001-B187-042419

Quant Time: May 02 08:16:05 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

Manual Integrations
APPROVED

Sohil
5/2/2019 4:47:30 PM





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099465.D

Acq: 1 May 2019 15:54

Instrument :

BNA_E

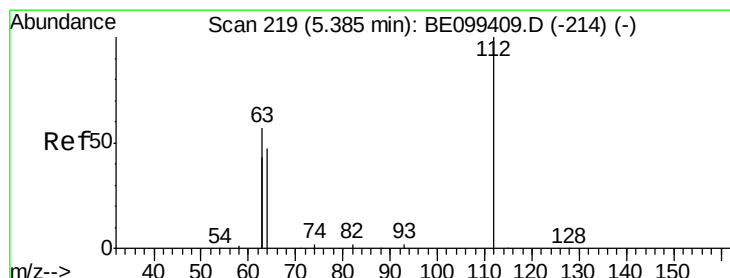
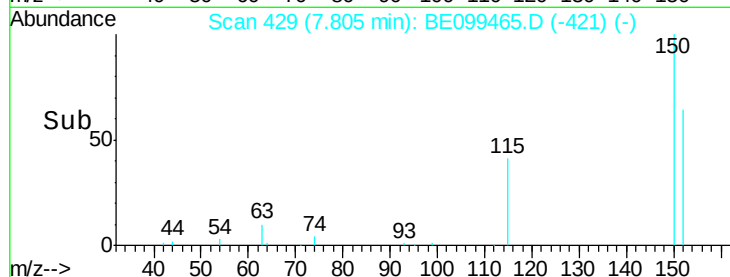
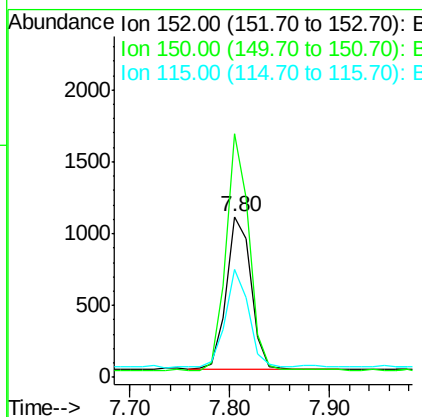
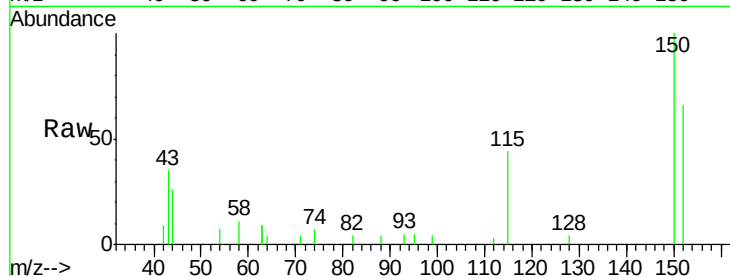
ClientSampleId :

PST-001-B187-042419

Tgt Ion:	152	Resp:	1832
Ion Ratio	Lower	Upper	
152	100		
150	151.5	104.8	157.2
115	66.8	46.6	69.8

Manual Integrations
APPROVED

Sohil
5/2/2019 4:47:30 PM



#4

2-Fluorophenol

Concen: 0.242 ng

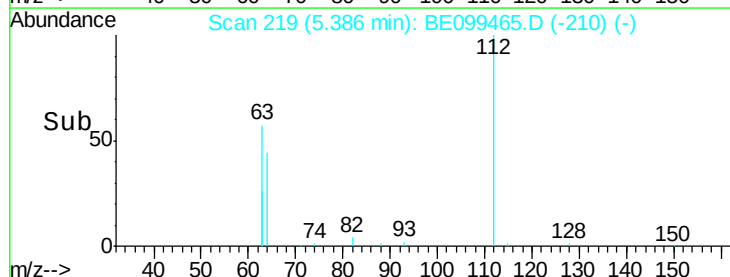
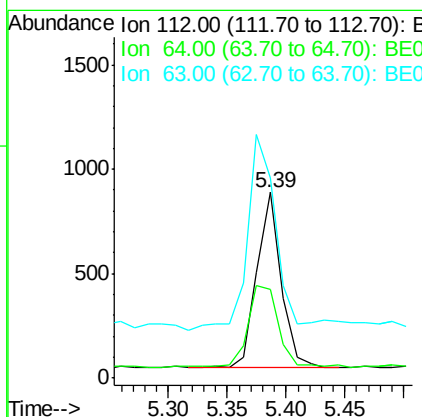
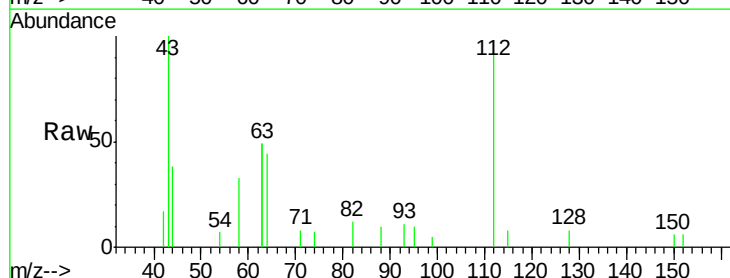
RT: 5.39 min Scan# 219

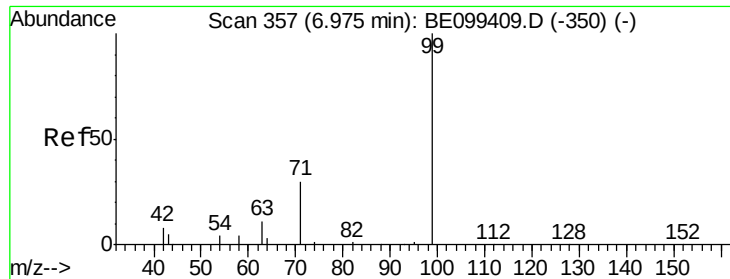
Delta R.T. 0.00 min

Lab File: BE099465.D

Acq: 1 May 2019 15:54

Tgt Ion:	112	Resp:	1224
Ion Ratio	Lower	Upper	
112	100		
64	57.5	47.4	71.0
63	127.0	104.3	156.5





#5

Phenol-d6

Concen: 0.286 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099465.D

Acq: 1 May 2019 15:54

Instrument :

BNA_E

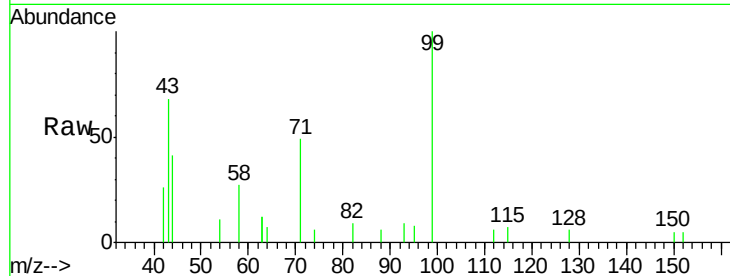
ClientSampleId :

PST-001-B187-042419

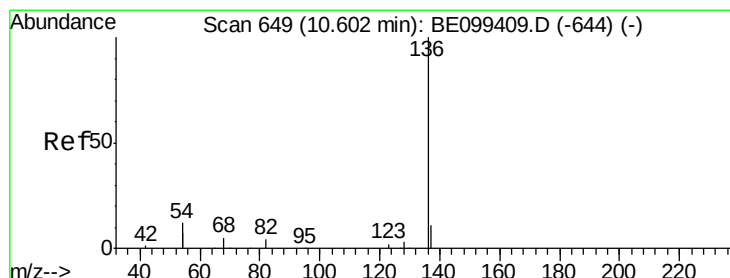
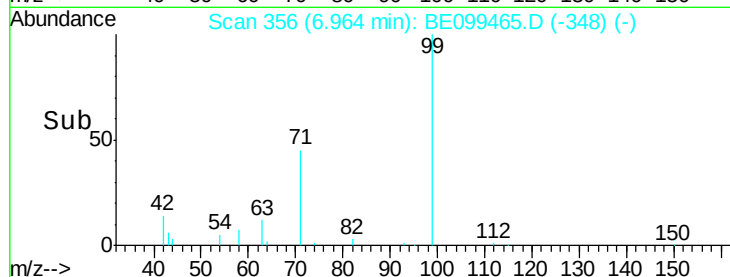
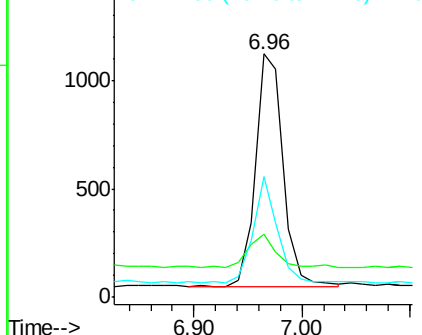
Tgt Ion:	99	Resp:	1929
Ion	Ratio	Lower	Upper
99	100		
42	15.3	14.9	22.3
71	38.6	33.0	49.6

Manual Integrations
APPROVED

Sohil
5/2/2019 4:47:30 PM



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

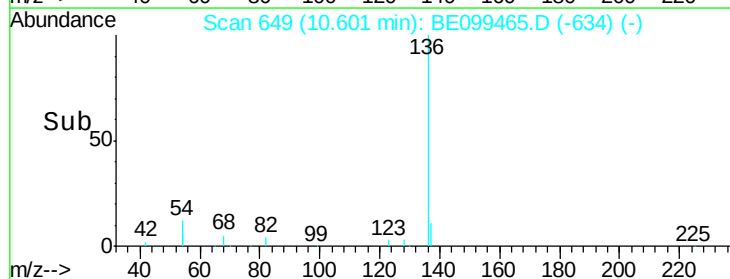
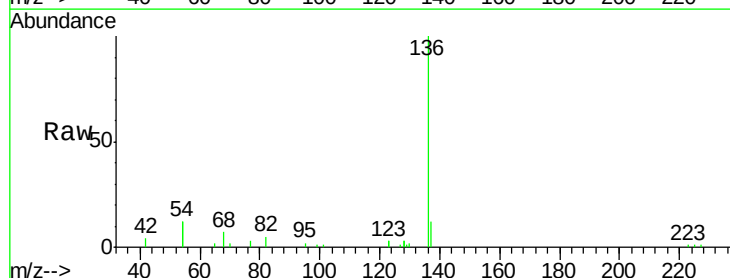
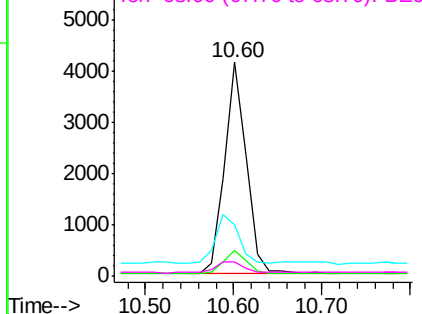
Delta R.T. -0.00 min

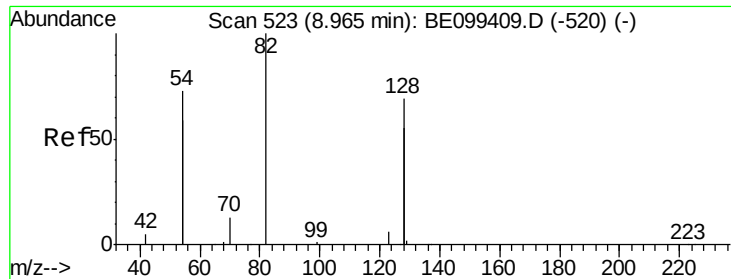
Lab File: BE099465.D

Acq: 1 May 2019 15:54

Tgt Ion:	136	Resp:	7032
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.8	14.8
54	23.9	18.5	27.7
68	6.6	4.7	7.1

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.223 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099465.D

Acq: 1 May 2019 15:54

Instrument :

BNA_E

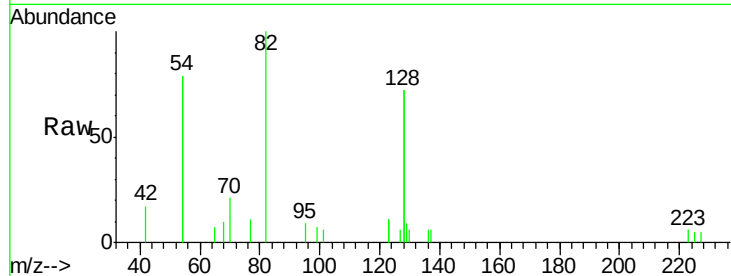
ClientSampleId :

PST-001-B187-042419

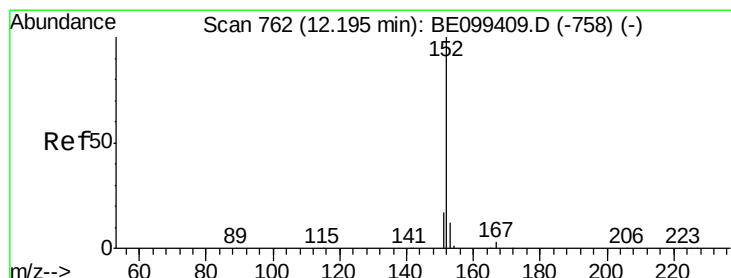
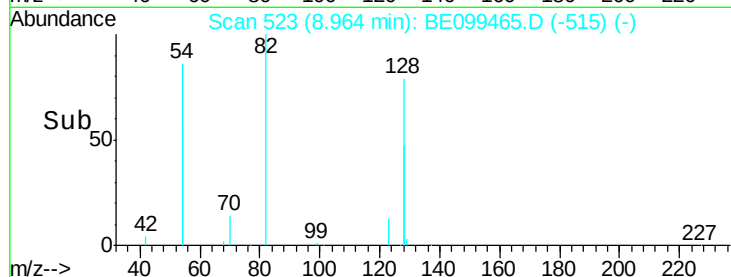
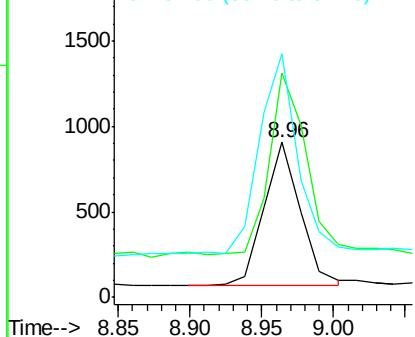
Tgt Ion:	82	Resp:	1469
Ion	Ratio	Lower	Upper
82	100		
128	145.0	107.0	160.4
54	157.3	113.1	169.7

Manual Integrations
APPROVED

Sohil
5/2/2019 4:47:30 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: 0.223 ng

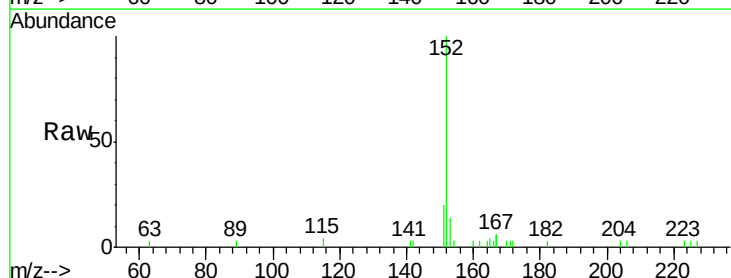
RT: 12.19 min Scan# 762

Delta R.T. -0.00 min

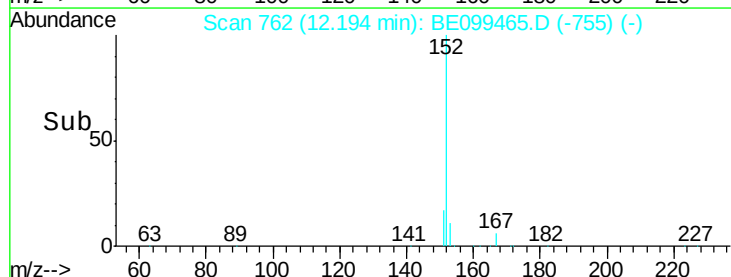
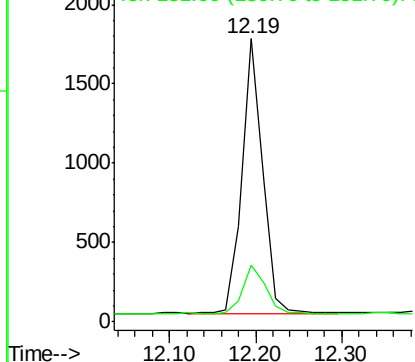
Lab File: BE099465.D

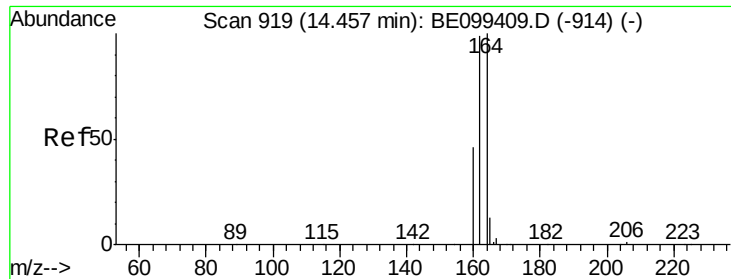
Acq: 1 May 2019 15:54

Tgt Ion:	152	Resp:	2828
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3



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





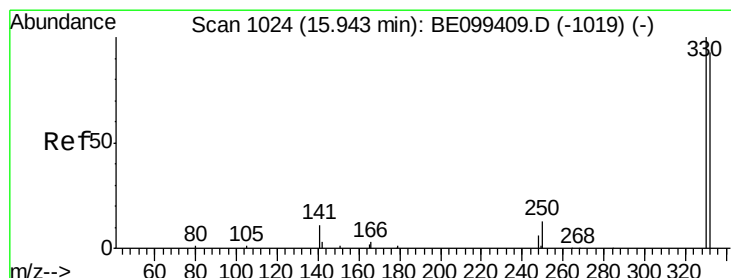
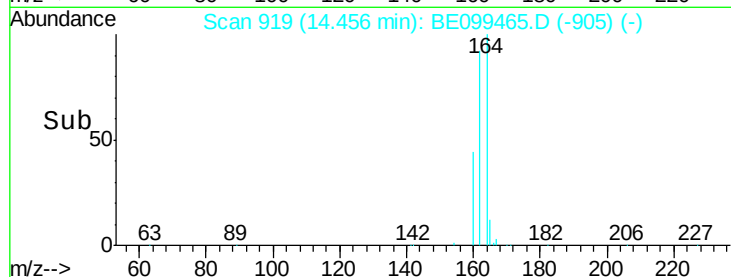
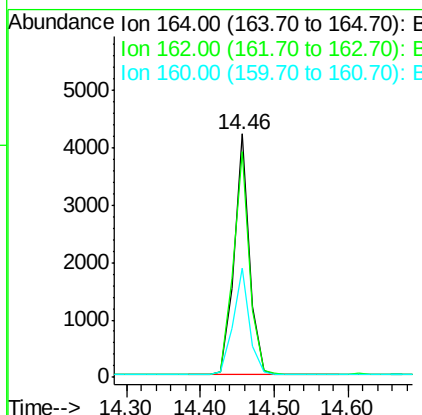
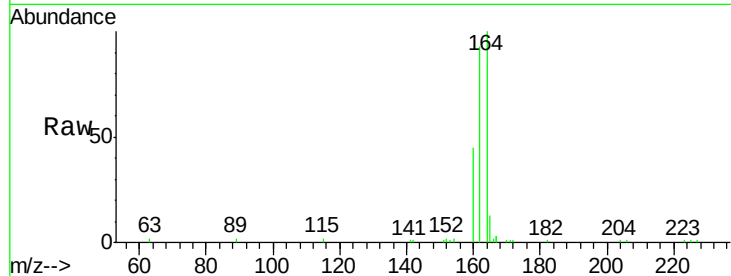
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099465.D
 Acq: 1 May 2019 15:54

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B187-042419

Tgt Ion	Ratio	Lower	Upper
164	100		
162	92.5	79.0	118.4
160	44.7	37.0	55.4

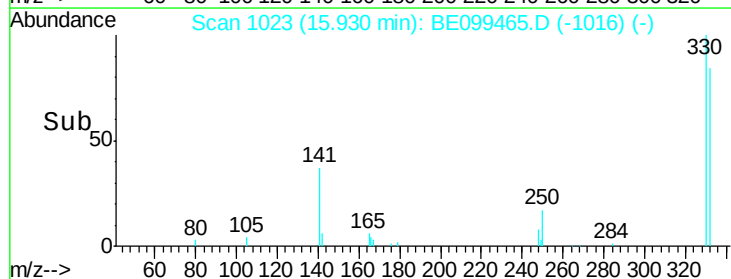
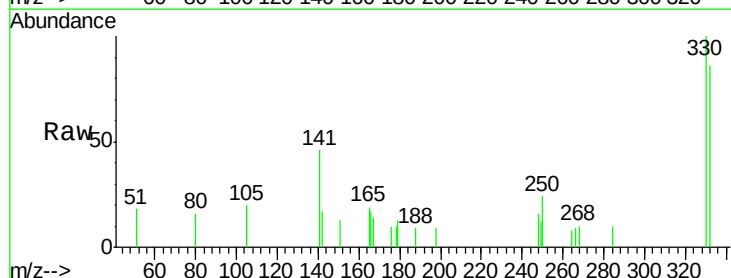
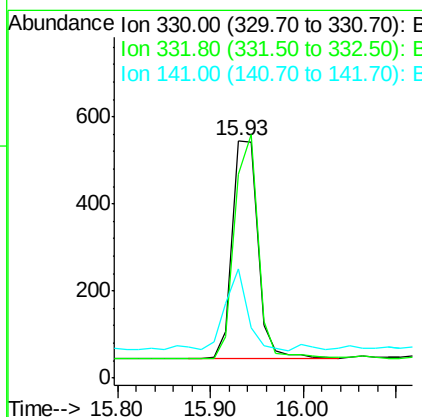
Manual Integrations
 APPROVED

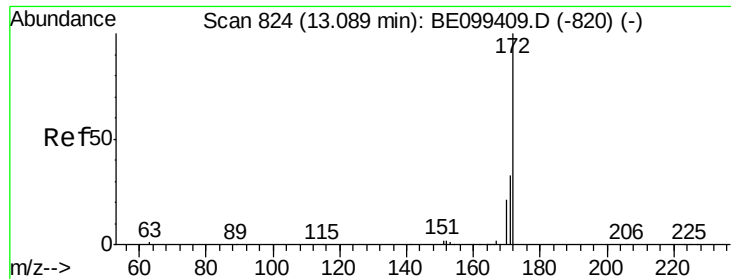
Sohil
 5/2/2019 4:47:30 PM



#14
 2,4,6-Tribromophenol
 Concen: 0.249 ng
 RT: 15.93 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: BE099465.D
 Acq: 1 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	71.5	107.3
141	32.3	24.0	36.0





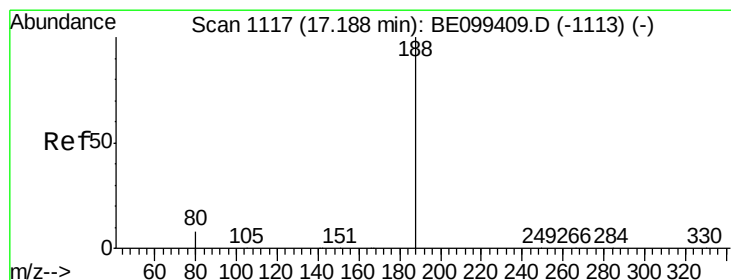
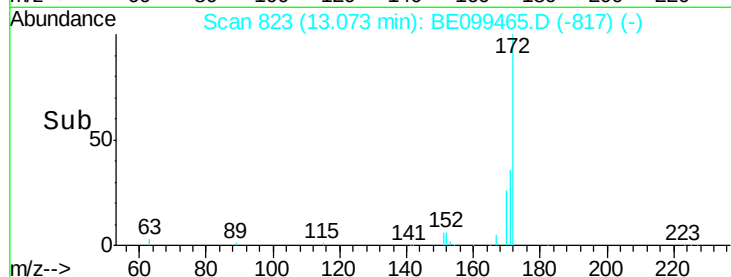
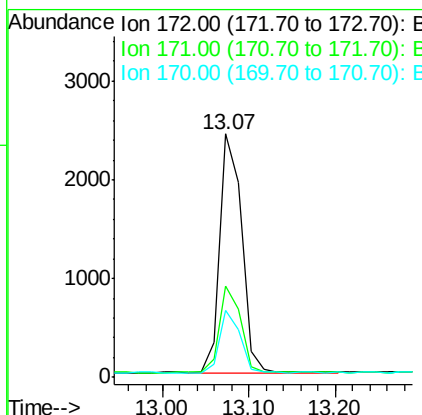
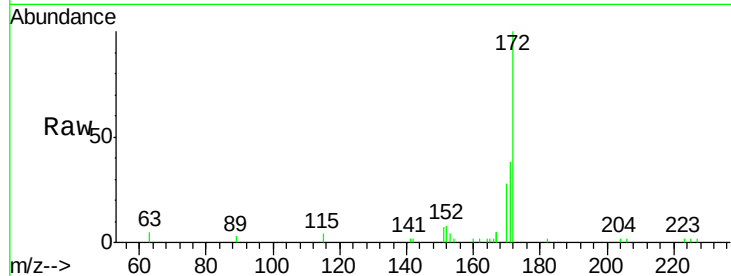
#15
 2-Fluorobiphenyl
 Concen: 0.185 ng
 RT: 13.07 min Scan# 823
 Delta R.T. -0.02 min
 Lab File: BE099465.D
 Acq: 1 May 2019 15:54

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B187-042419

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	26.6	39.8
170	27.5	17.0	25.6

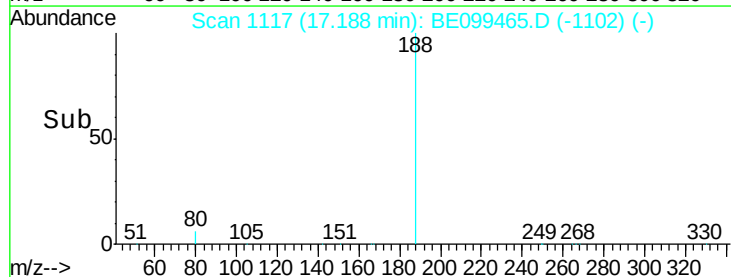
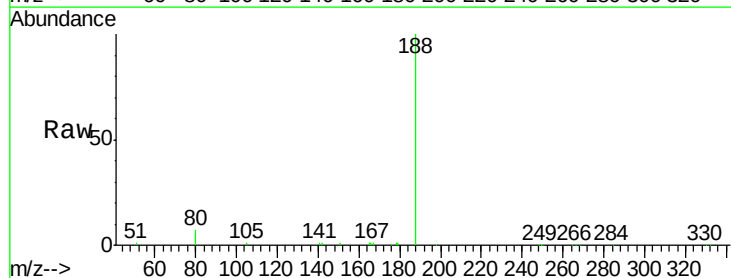
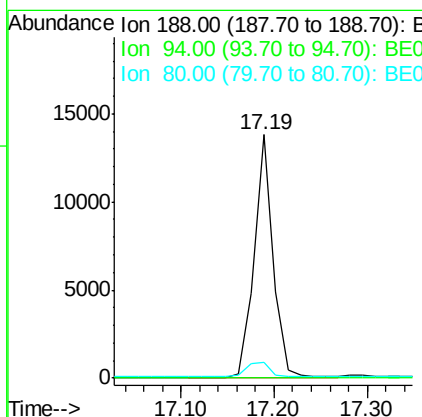
Manual Integrations
 APPROVED

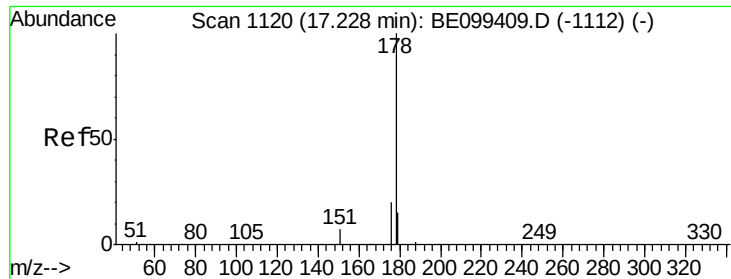
Sohil
 5/2/2019 4:47:30 PM



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. 0.00 min
 Lab File: BE099465.D
 Acq: 1 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.6	6.7	10.1





#23

Phenanthrene

Concen: 0.078 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099465.D

Acq: 1 May 2019 15:54

Instrument :

BNA_E

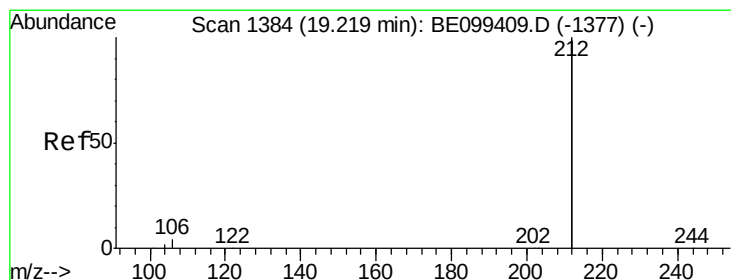
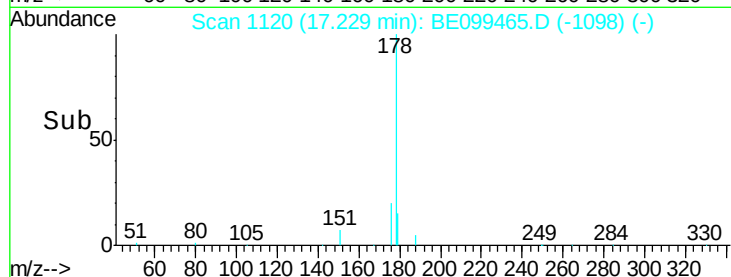
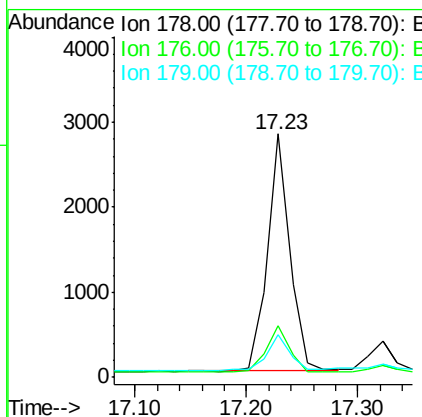
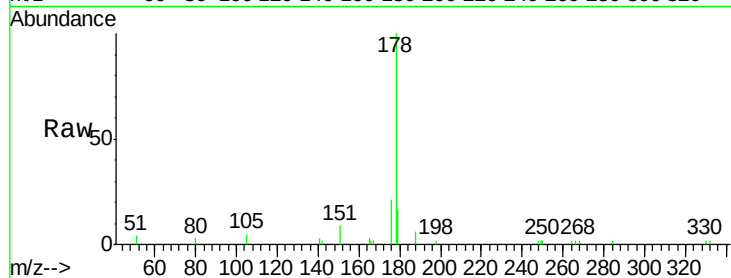
ClientSampleId :

PST-001-B187-042419

Tgt Ion:	178	Resp:	3940
Ion Ratio	Lower	Upper	
178	100		
176	21.0	15.6	23.4
179	17.6	12.0	18.0

Manual Integrations
APPROVED

Sohil
5/2/2019 4:47:30 PM



#25

Fluoranthene-d10

Concen: 0.194 ng

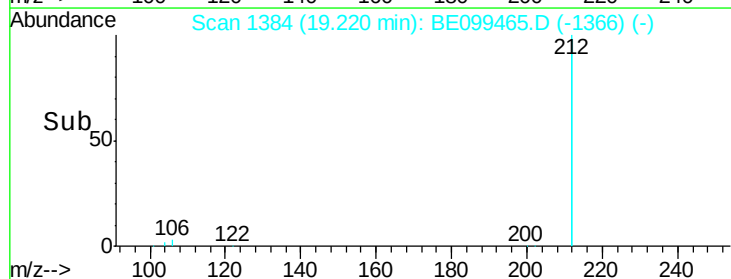
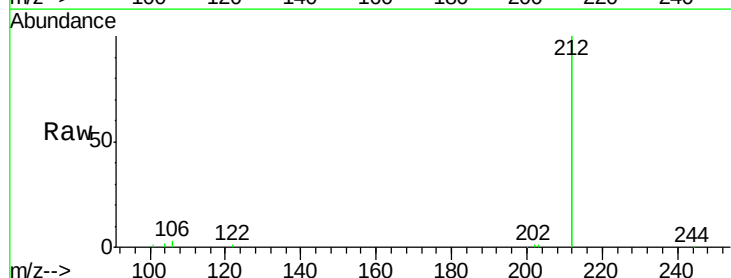
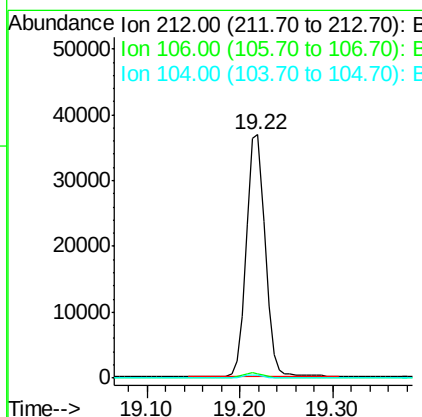
RT: 19.22 min Scan# 1384

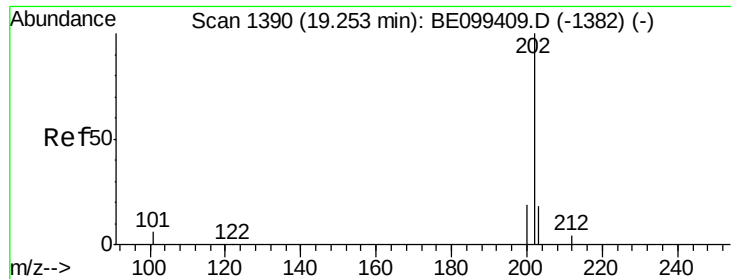
Delta R.T. 0.00 min

Lab File: BE099465.D

Acq: 1 May 2019 15:54

Tgt Ion:	212	Resp:	51074
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.5	2.3
104	1.2	0.9	1.3





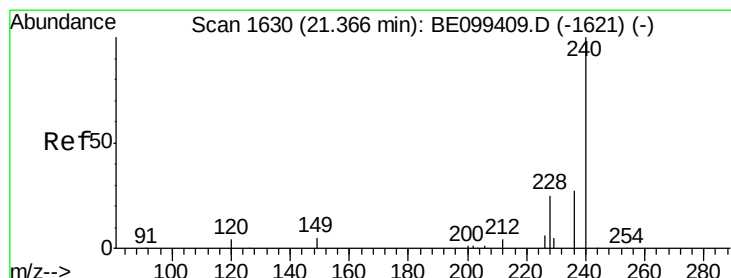
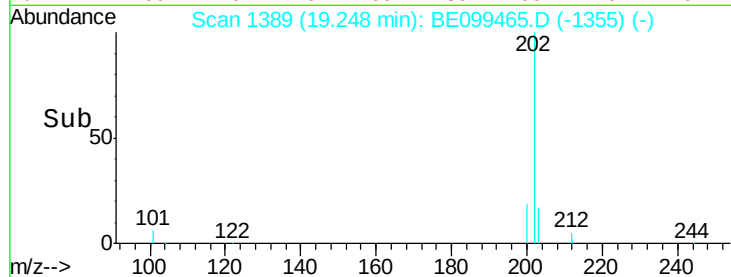
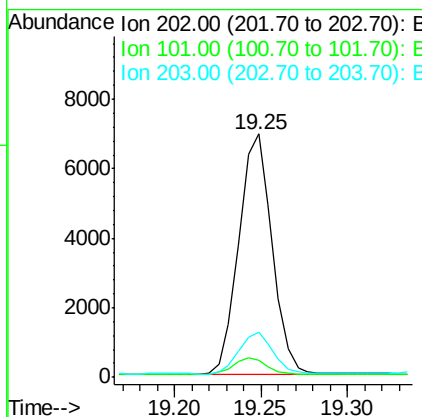
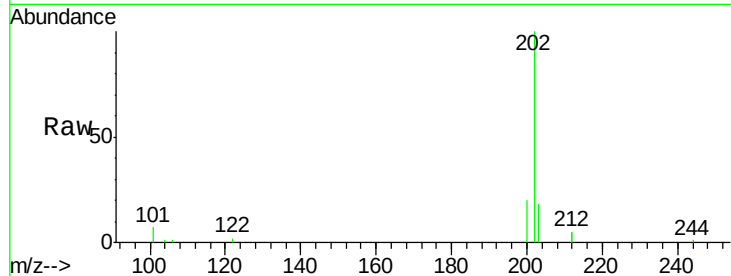
#26
Fluoranthene
 Concen: 0.124 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: BE099465.D
 Acq: 1 May 2019 15:54

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B187-042419

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	9333		
101	7.2		5.4	8.0
203	17.5		13.9	20.9

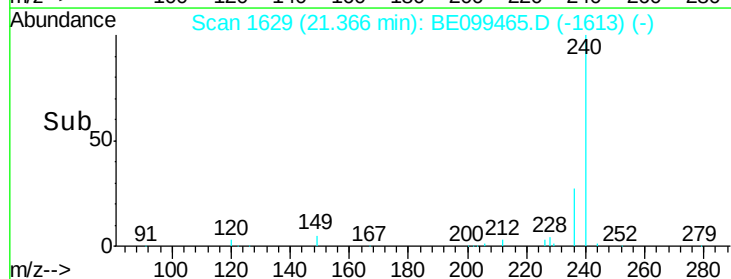
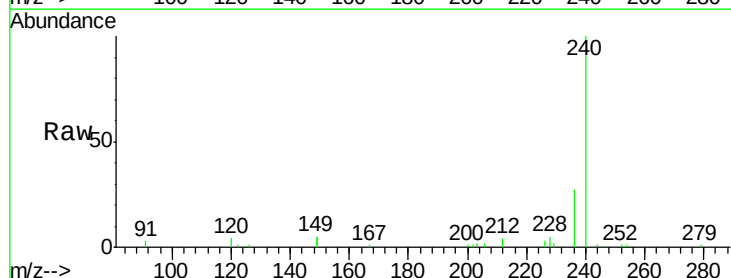
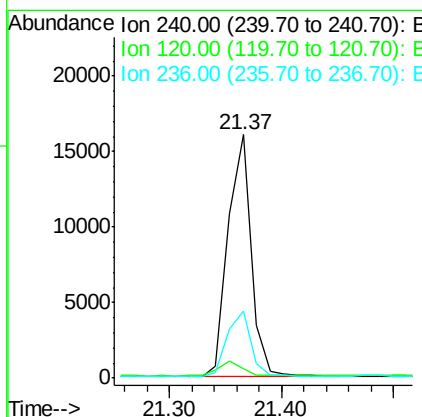
Manual Integrations
 APPROVED

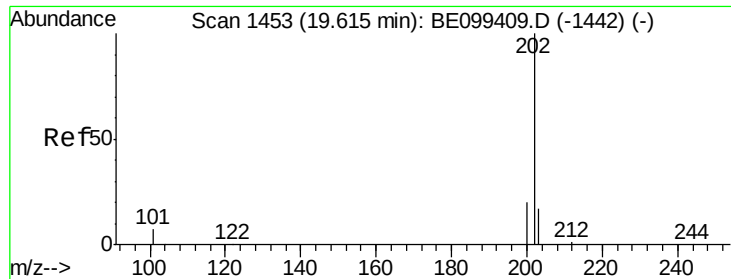
Sohil
 5/2/2019 4:47:30 PM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: BE099465.D
 Acq: 1 May 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	23026		
120	3.6		4.0	6.0#
236	27.2		22.0	33.0





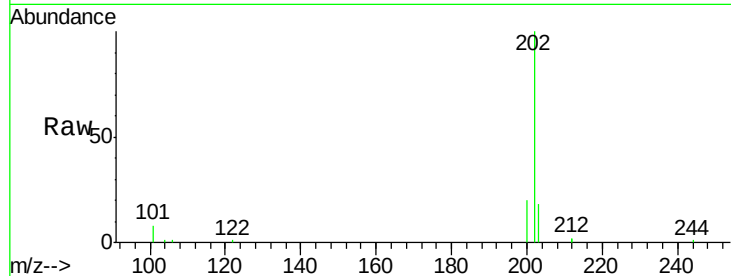
#28
Pyrene
Concen: 0.164 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BE099465.D
Acq: 1 May 2019 15:54

Instrument :
BNA_E
ClientSampleId :
PST-001-B187-042419

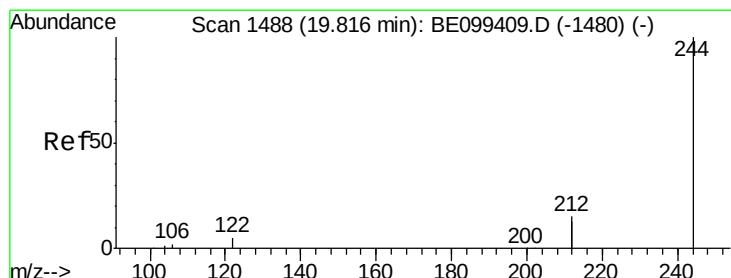
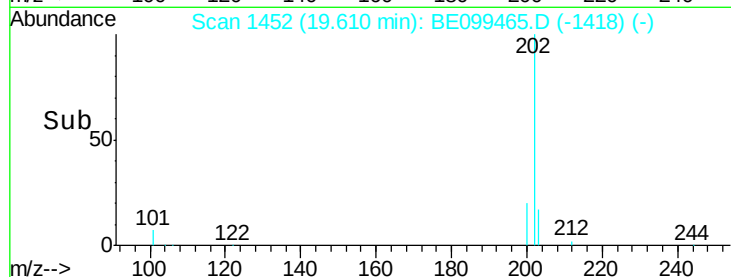
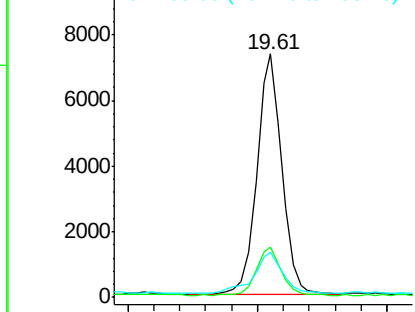
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	9841		
200	19.9	15.7	23.5	
203	20.3	13.9	20.9	

Manual Integrations
APPROVED

Sohil
5/2/2019 4:47:30 PM



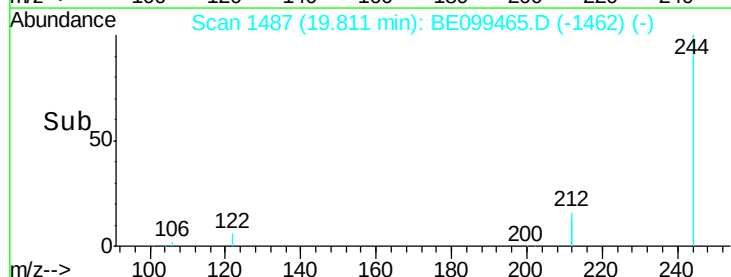
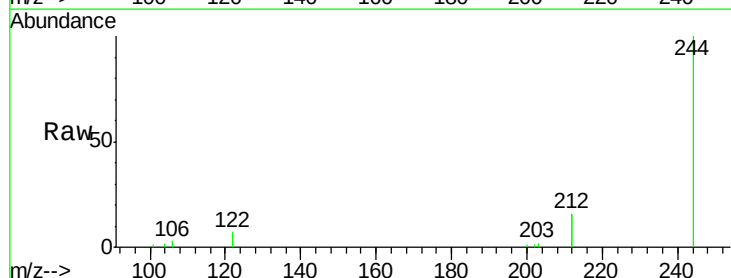
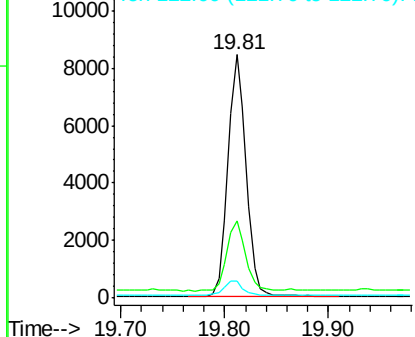
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

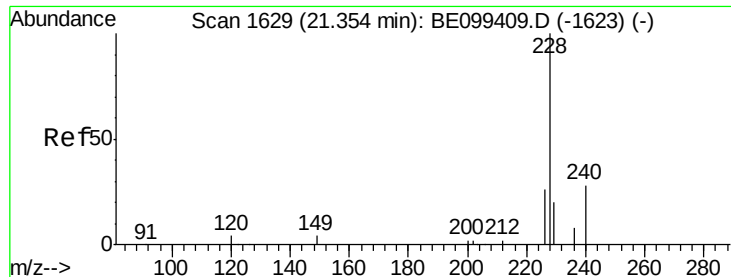


#29
Terphenyl-d14
Concen: 0.240 ng
RT: 19.81 min Scan# 1487
Delta R.T. -0.00 min
Lab File: BE099465.D
Acq: 1 May 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	10133		
212	31.8	23.2	34.8	
122	6.7	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





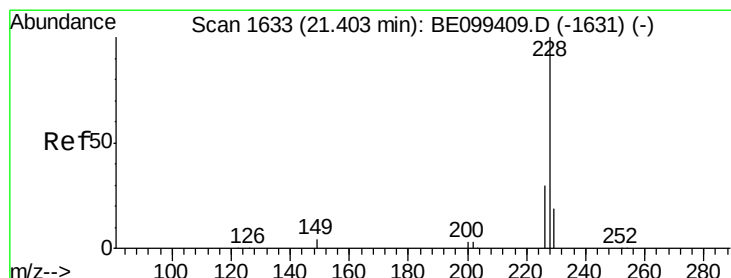
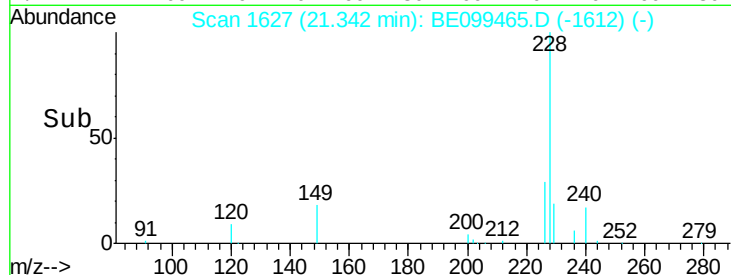
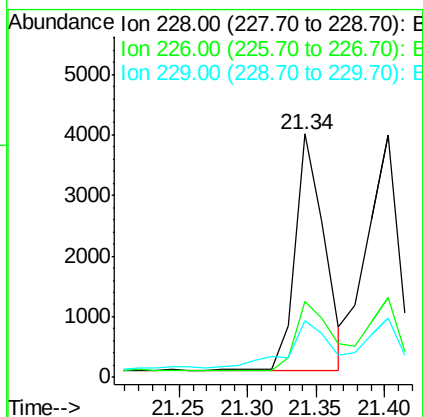
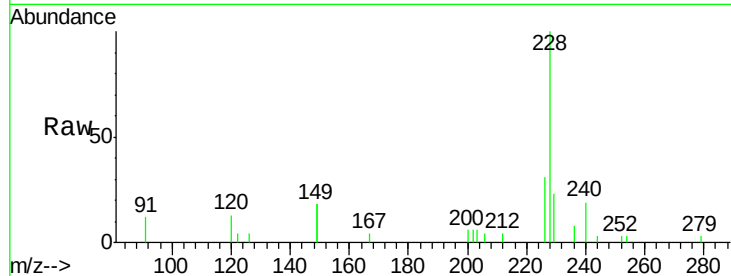
#30
Benzo(a)anthracene
Concen: 0.078 ng
RT: 21.34 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BE099465.D
Acq: 1 May 2019 15:54

Instrument :
BNA_E
ClientSampleId :
PST-001-B187-042419

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	21.0	31.6
229	23.3	16.6	25.0

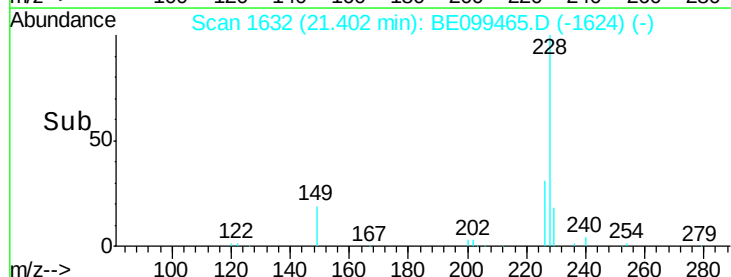
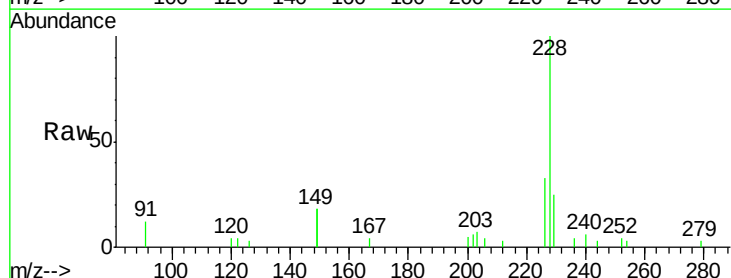
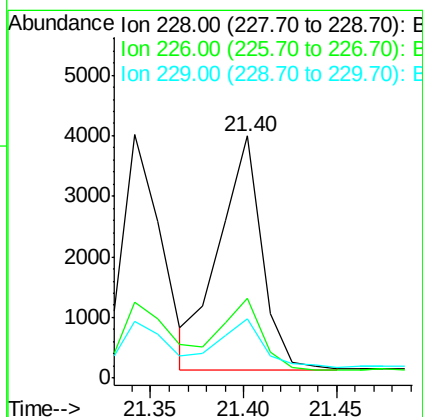
Manual Integrations
APPROVED

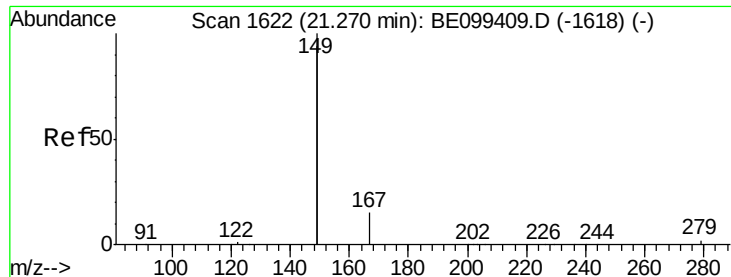
Sohil
5/2/2019 4:47:30 PM



#31
Chrysene
Concen: 0.086 ng m
RT: 21.40 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099465.D
Acq: 1 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	24.0	36.0
229	24.7	15.8	23.8





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.050 ng

RT: 21.26 min Scan# 1620

Delta R.T. -0.01 min

Lab File: BE099465.D

Acq: 1 May 2019 15:54

Instrument :

BNA_E

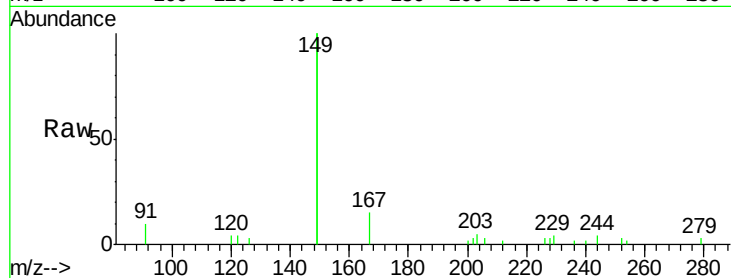
ClientSampleId :

PST-001-B187-042419

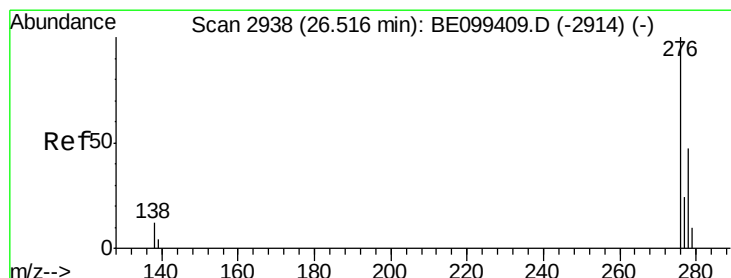
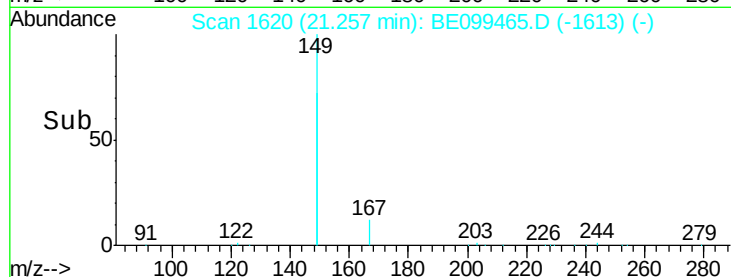
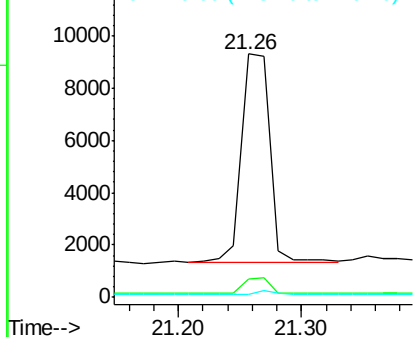
Tgt Ion:	149	Resp:	12600
Ion Ratio	Lower	Upper	
149	100		
167	7.7	5.8	8.6
279	1.6	1.0	1.6#

Manual Integrations
APPROVED

Sohil
5/2/2019 4:47:30 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: 0.043 ng

RT: 26.50 min Scan# 2932

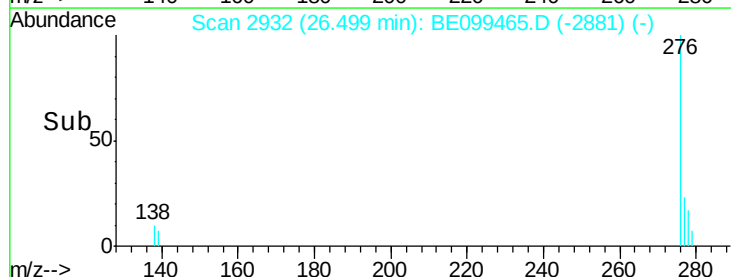
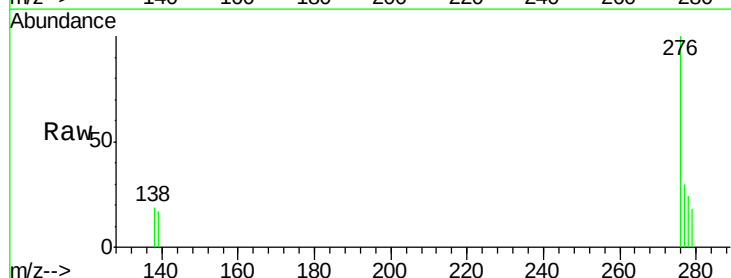
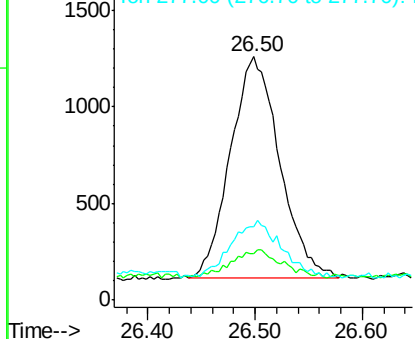
Delta R.T. -0.02 min

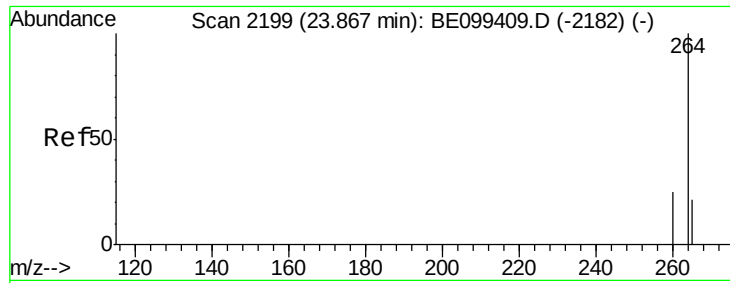
Lab File: BE099465.D

Acq: 1 May 2019 15:54

Tgt Ion:	276	Resp:	3647
Ion Ratio	Lower	Upper	
276	100		
138	11.7	10.2	15.2
277	25.0	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





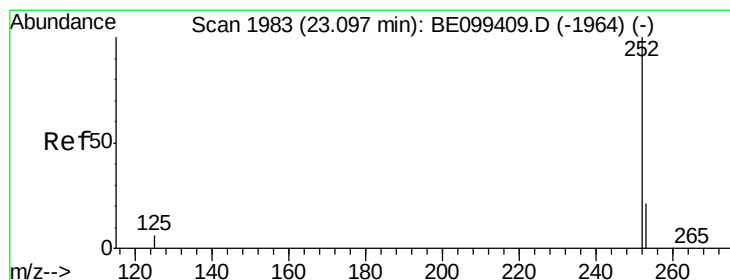
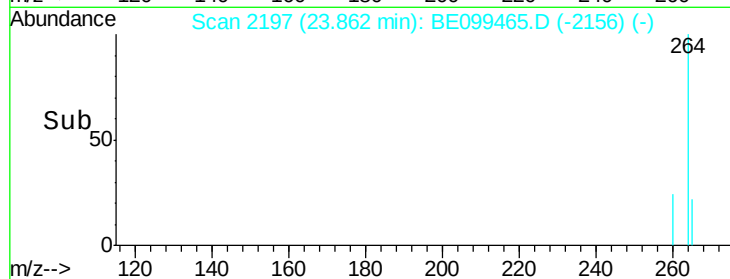
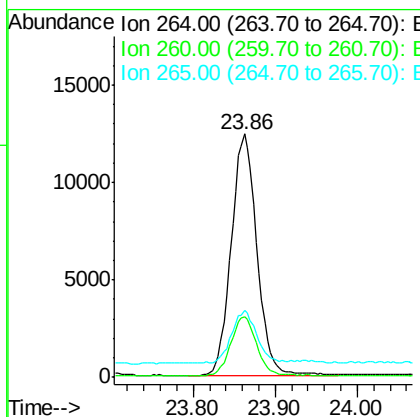
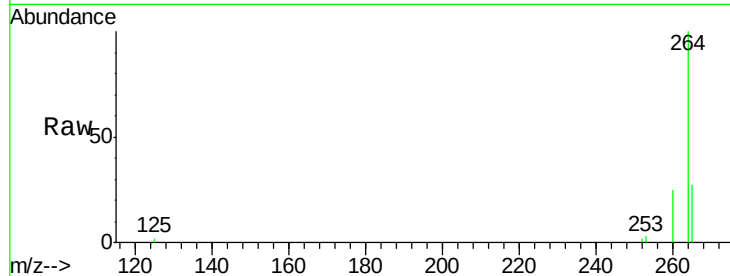
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: BE099465.D
 Acq: 1 May 2019 15:54

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B187-042419

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	26875		
260	24.9	20.2	30.2	
265	27.4	21.3	31.9	

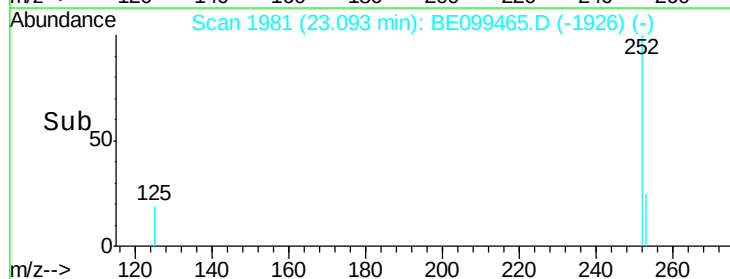
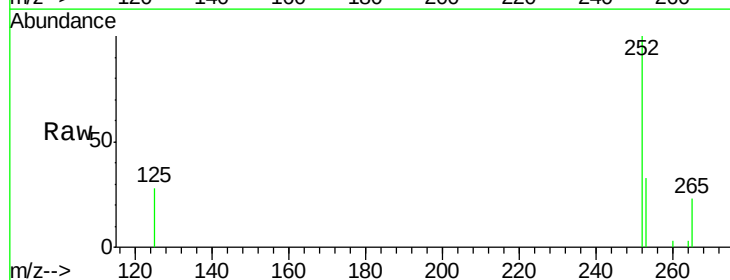
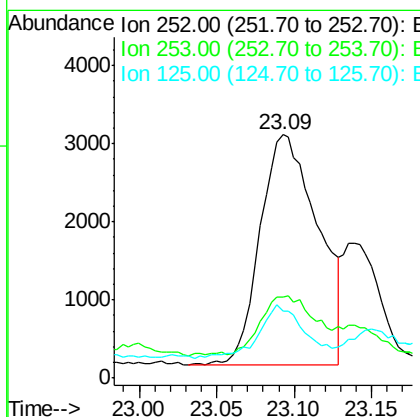
Manual Integrations
 APPROVED

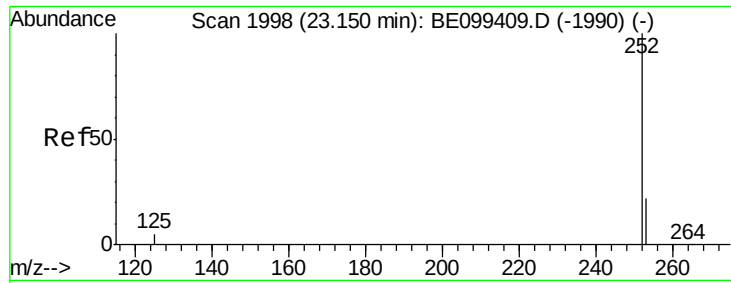
Sohil
 5/2/2019 4:47:30 PM



#35
Benzo(b)fluoranthene
 Concen: 0.098 ng
 RT: 23.09 min Scan# 1981
 Delta R.T. -0.00 min
 Lab File: BE099465.D
 Acq: 1 May 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	7619		
253	33.4	18.1	27.1#	
125	27.6	5.6	8.4#	





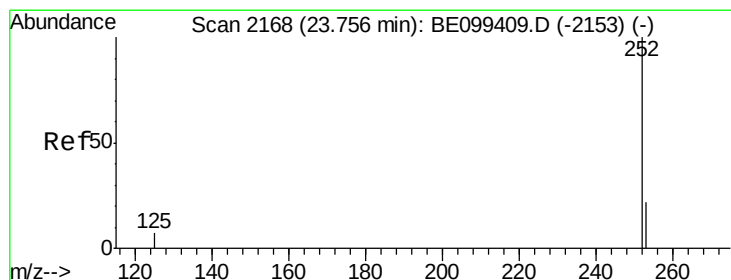
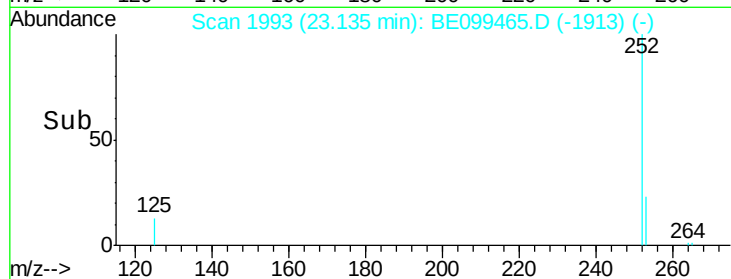
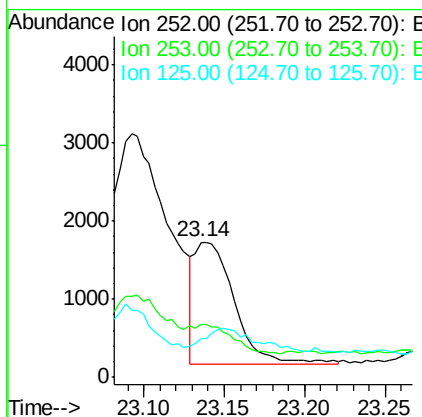
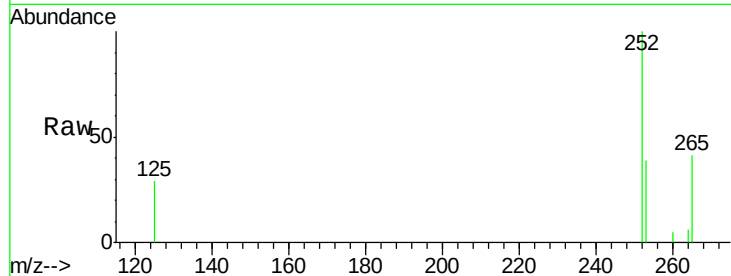
#36
Benzo(k)fluoranthene
Concen: 0.036 ng m
RT: 23.14 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BE099465.D
Acq: 1 May 2019 15:54

Instrument :
BNA_E
ClientSampleId :
PST-001-B187-042419

Tgt Ion	Ratio	Lower	Upper
252	100		
253	38.6	18.4	27.6#
125	28.7	5.0	7.4#

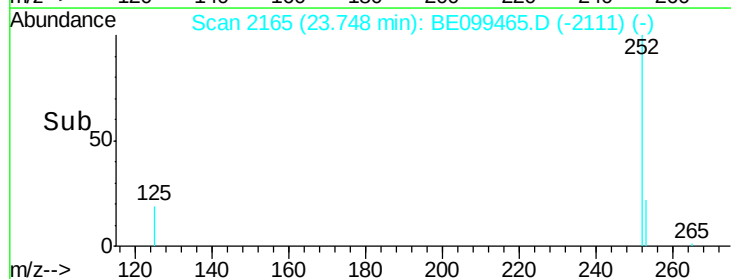
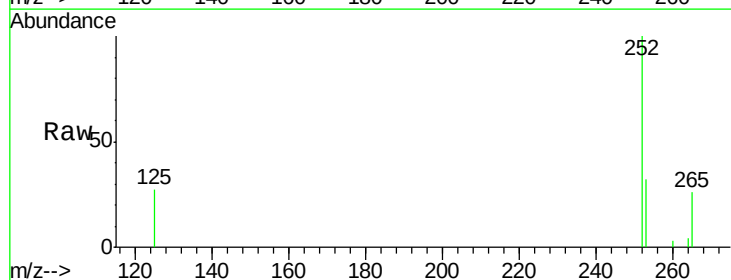
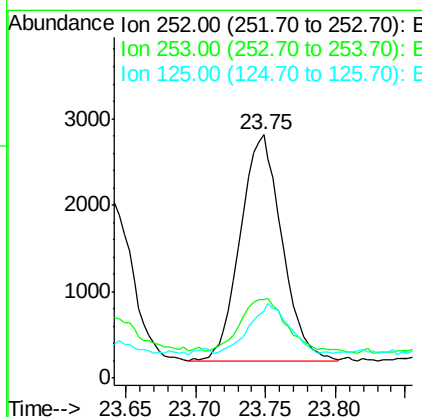
Manual Integrations
APPROVED

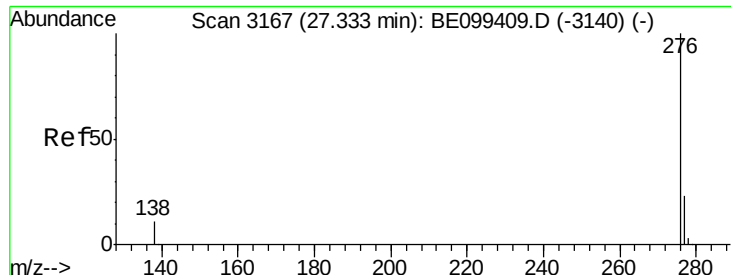
Sohil
5/2/2019 4:47:30 PM



#37
Benzo(a)pyrene
Concen: 0.074 ng
RT: 23.75 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BE099465.D
Acq: 1 May 2019 15:54

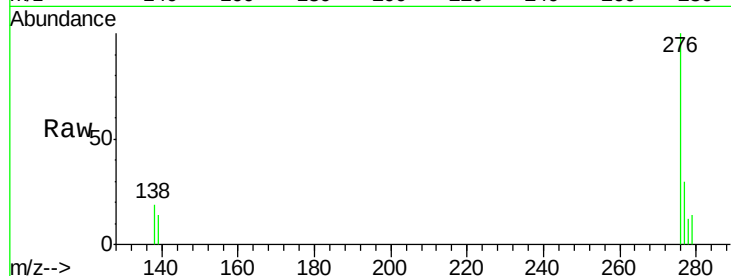
Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.4	18.9	28.3#
125	27.4	6.7	10.1#





#39
 Benzo(g,h,i)perylene
 Concen: 0.051 ng
 RT: 27.32 min Scan# 3162
 Delta R.T. -0.01 min
 Lab File: BE099465.D
 Acq: 1 May 2019 15:54

Instrument :
 BNA_E
 ClientSampleId :
 PST-001-B187-042419



Tgt Ion:	276	Resp:	3817
Ion Ratio	Lower	Upper	
276	100		
277	29.6	19.5	29.3#
138	18.9	9.6	14.4#

Manual Integrations
 APPROVED

Sohil
 5/2/2019 4:47:30 PM

