

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099379.D
 Acq On : 26 Apr 2019 15:43
 Operator : JU/SJ
 Sample : K2533-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-B183-042219

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:28:36 PM

Quant Time: Apr 29 04:50:48 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	3101	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	12001	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	8395	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	22579	0.40	ng	0.00
27) Chrysene-d12	21.37	240	26536	0.40	ng	0.00
34) Perylene-d12	23.87	264	29950	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	4408	0.58	ng	0.01
5) Phenol-d6	6.98	99	6513	0.60	ng	0.00
8) Nitrobenzene-d5	8.98	82	5898	0.63	ng	0.01
11) 2-Methylnaphthalene-d10	12.20	152	10525	0.50	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	2500	0.90	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	15443	0.47	ng	0.00
25) Fluoranthene-d10	19.22	212	130235	0.48	ng	0.00
29) Terphenyl-d14	19.82	244	22653	0.43	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	5464	0.042	ng	# 95
12) 2-Methylnaphthalene	12.28	142	883	0.040	ng	# 94
16) Acenaphthylene	14.18	152	2834	0.075	ng	# 87
17) Acenaphthene	14.53	154	1053	0.045	ng	98
18) Fluorene	15.50	166	1362	0.041	ng	# 90
23) Phenanthrene	17.23	178	31810	0.532	ng	99
24) Anthracene	17.32	178	5008	0.094	ng	# 93
26) Fluoranthene	19.25	202	86915	1.086	ng	98
28) Pyrene	19.62	202	89018	1.139	ng	# 95
30) Benzo(a)anthracene	21.35	228	60886	0.780	ng	# 92
31) Chrysene	21.40	228	68992m	0.831	ng	
32) Bis(2-ethylhexyl)phthalate	21.27	149	98561	1.388	ng	100
33) Indeno(1,2,3-cd)pyrene	26.51	276	32413	0.395	ng	# 93
35) Benzo(b)fluoranthene	23.10	252	82626	0.901	ng	# 85
36) Benzo(k)fluoranthene	23.15	252	29886m	0.327	ng	
37) Benzo(a)pyrene	23.75	252	54088	0.658	ng	# 85
38) Dibenzo(a,h)anthracene	26.54	278	8317	0.099	ng	# 35
39) Benzo(a,h,i)perylene	27.34	276	31100	0.365	ng	# 87

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

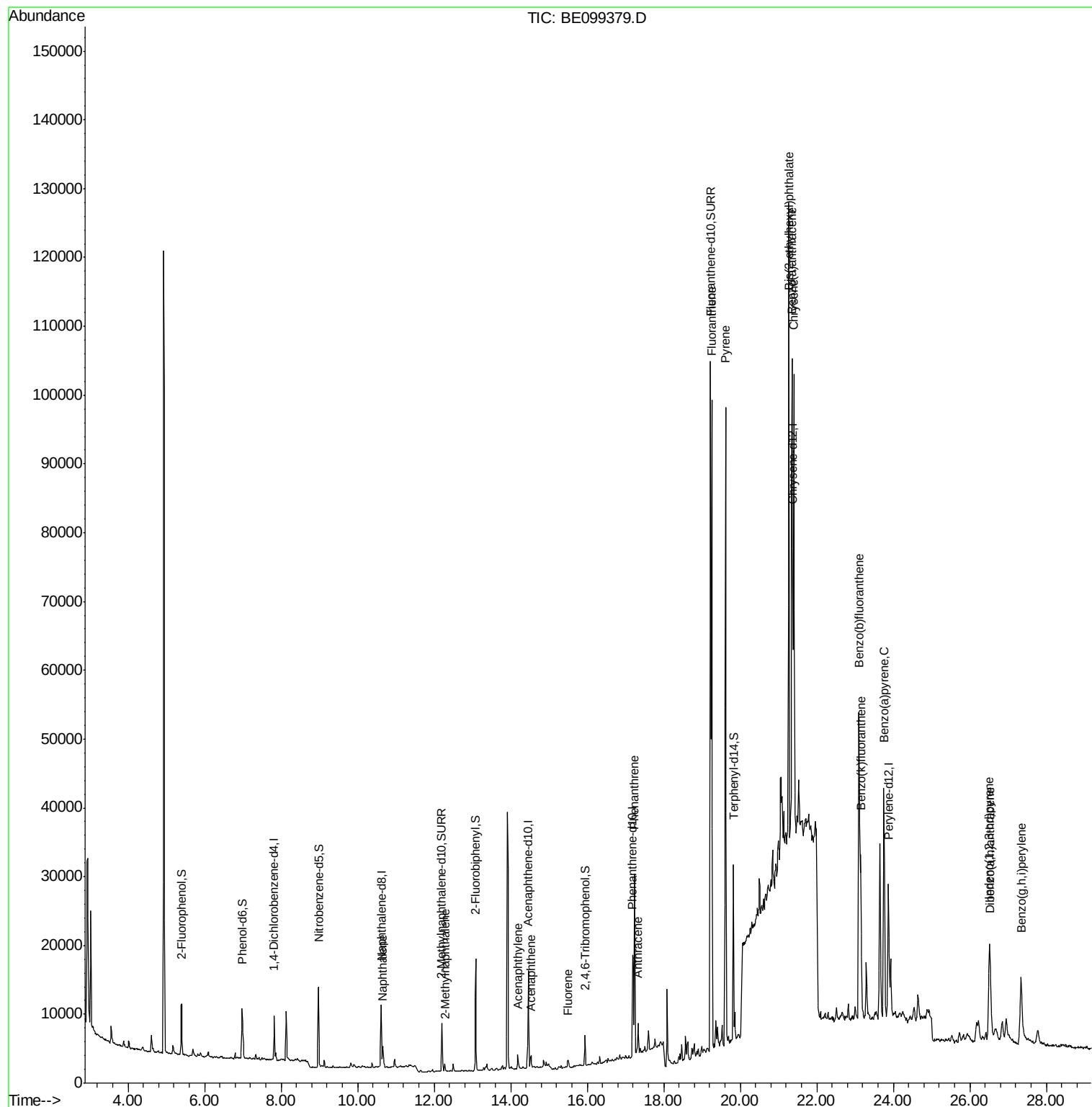
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
Data File : BE099379.D
Acq On : 26 Apr 2019 15:43
Operator : JU/SJ
Sample : K2533-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

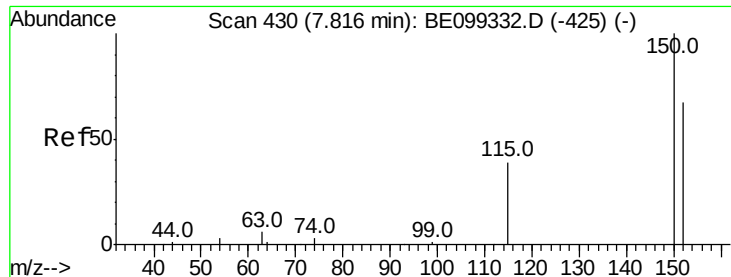
Instrument :
BNA_E
ClientSampleId :
PST-023-B183-042219

Manual Integrations
APPROVED

Sohil
4/29/2019 1:28:36 PM

Quant Time: Apr 29 04:50:48 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

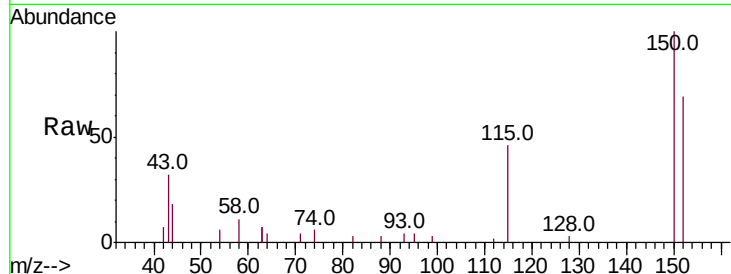
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Instrument :
BNA_E
ClientSampleId :
PST-023-B183-042219

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.0	119.5	179.3
115	67.3	47.5	71.3

Manual Integrations
APPROVED

Sohil
4/29/2019 1:28:36 PM

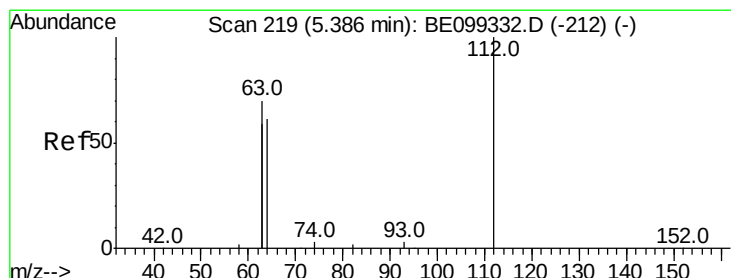
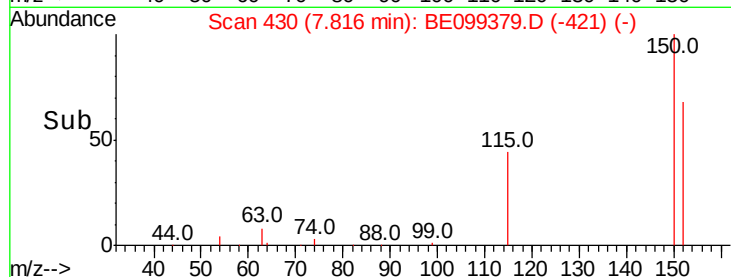
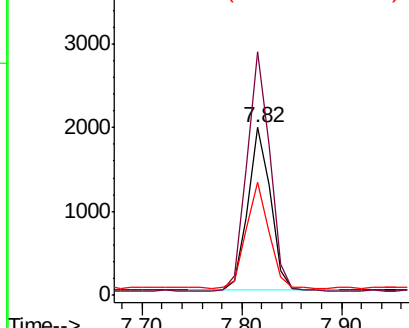


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

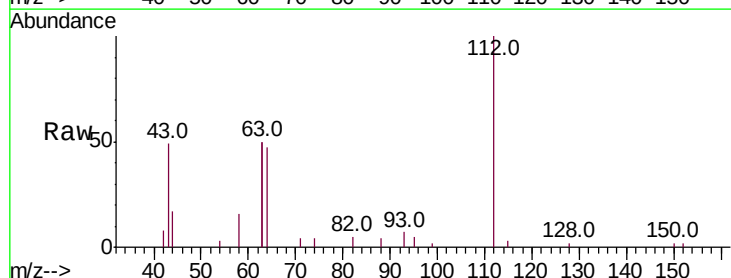
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.582 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	44.9	67.3
63	128.6	97.4	146.0

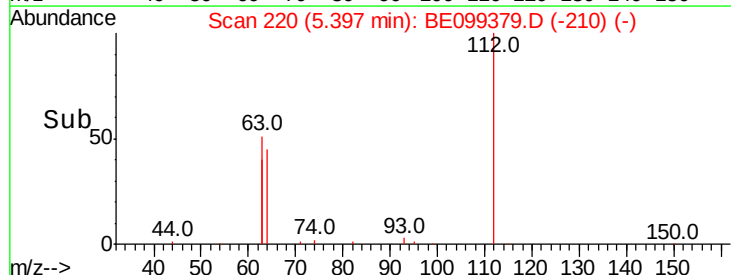
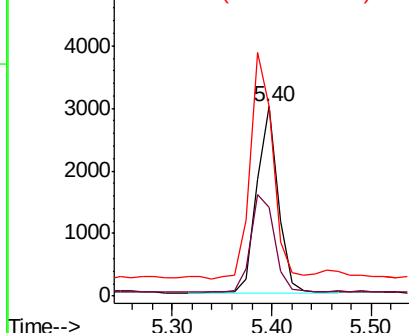


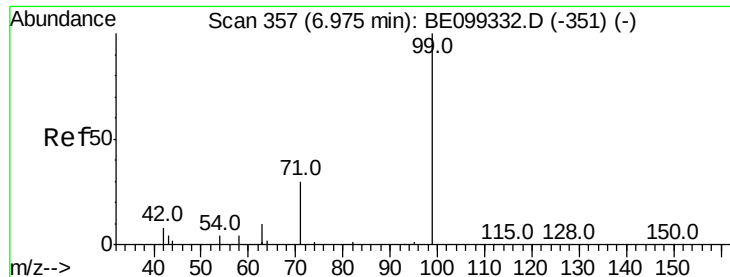
Abundance

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: 0.602 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099379.D

Acq: 26 Apr 2019 15:43

Instrument :

BNA_E

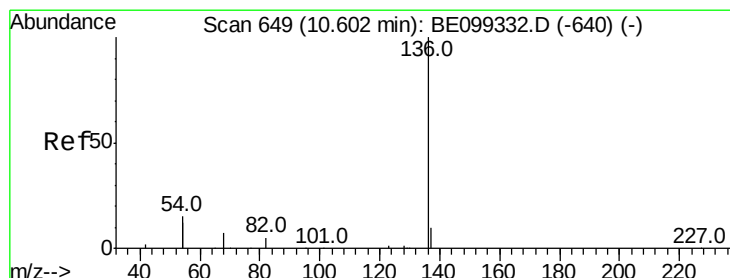
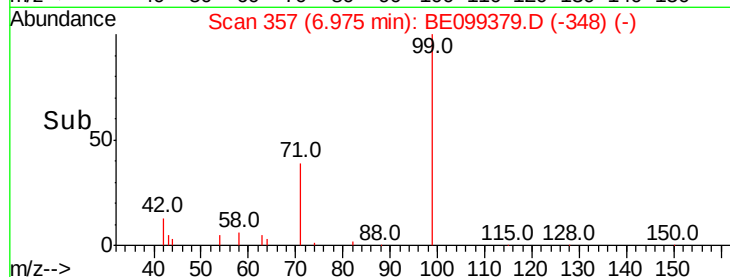
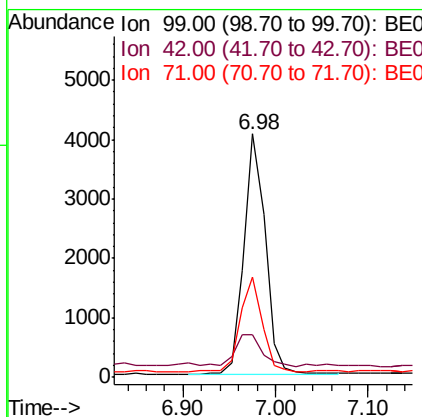
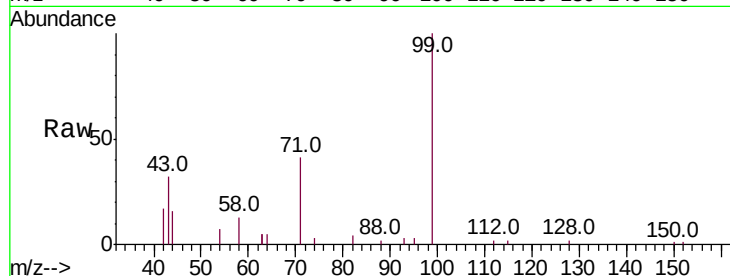
ClientSampleId :

PST-023-B183-042219

Tot Ion:	99	Resp:	6513
Ion	Ratio	Lower	Upper
99	100		
42	16.8	11.7	17.5
71	40.5	29.6	44.4

Manual Integrations
APPROVED

Sohil
4/29/2019 1:28:36 PM



#7

Naphthalene-d8

Concen: 0.400 ng

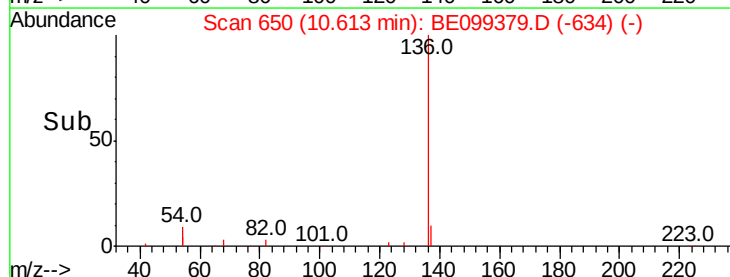
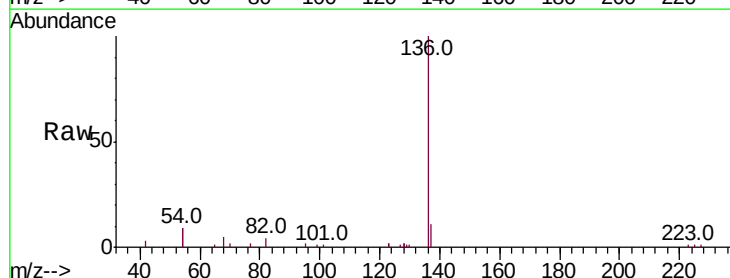
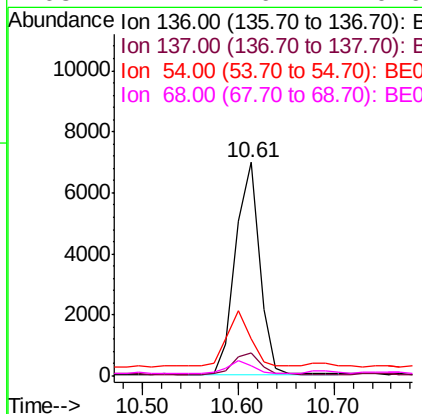
RT: 10.61 min Scan# 650

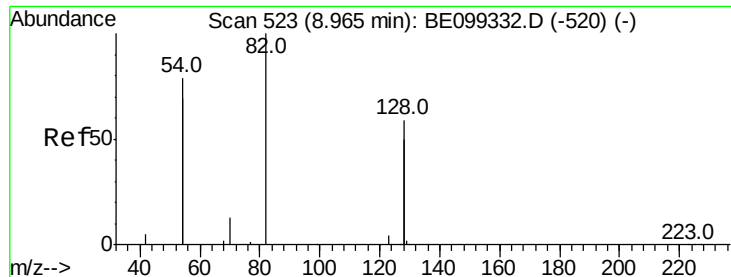
Delta R.T. 0.01 min

Lab File: BE099379.D

Acq: 26 Apr 2019 15:43

Tgt Ion:	136	Resp:	12001
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	17.1	23.8	35.8#
68	4.7	6.4	9.6#





#8

Nitrobenzene-d5

Concen: 0.633 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099379.D

Acq: 26 Apr 2019 15:43

Instrument :

BNA_E

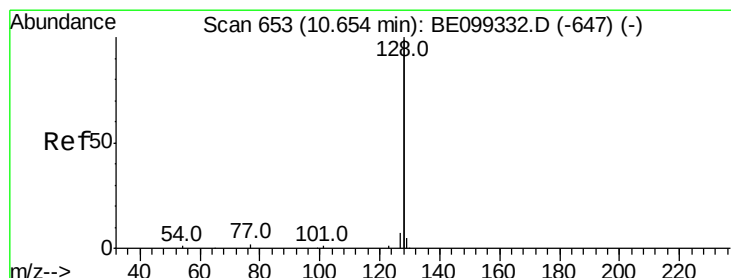
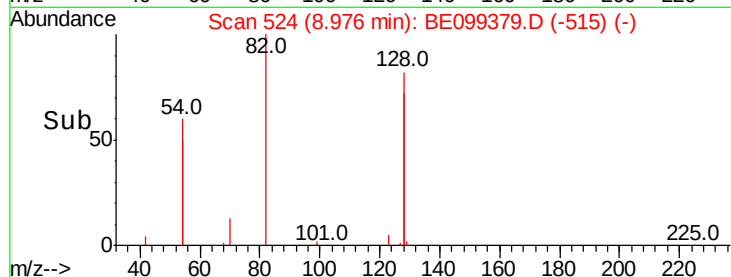
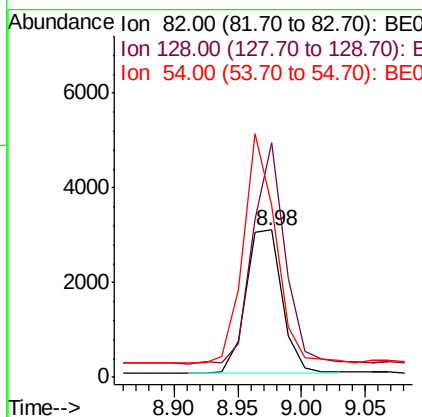
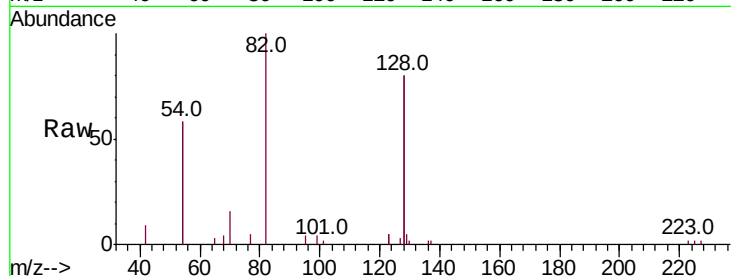
ClientSampleId :

PST-023-B183-042219

Tot Ion:	82	Resp:	5898
Ion Ratio	Lower	Upper	
82	100		
128	159.3	91.7	137.5#
54	116.2	122.8	184.2#

Manual Integrations
APPROVED

Sohil
4/29/2019 1:28:36 PM



#9

Naphthalene

Concen: 0.042 ng

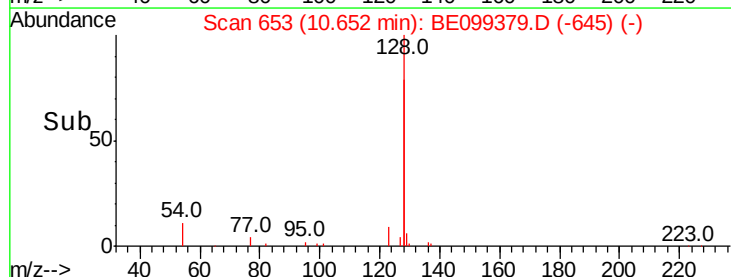
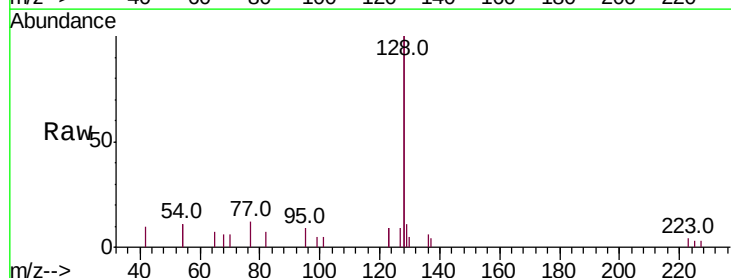
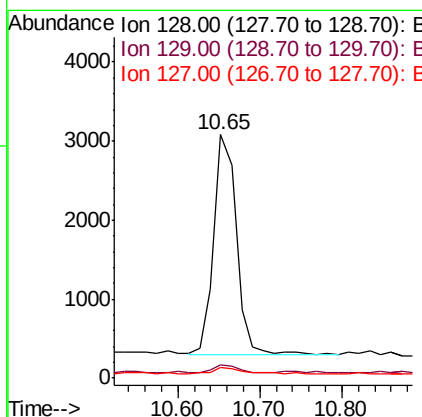
RT: 10.65 min Scan# 653

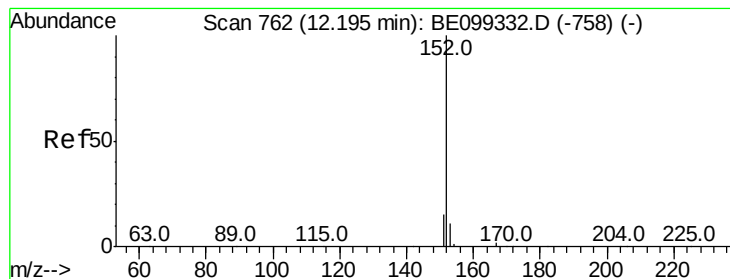
Delta R.T. -0.00 min

Lab File: BE099379.D

Acq: 26 Apr 2019 15:43

Tgt Ion:	128	Resp:	5464
Ion Ratio	Lower	Upper	
128	100		
129	5.4	2.3	3.5#
127	4.5	2.8	4.2#





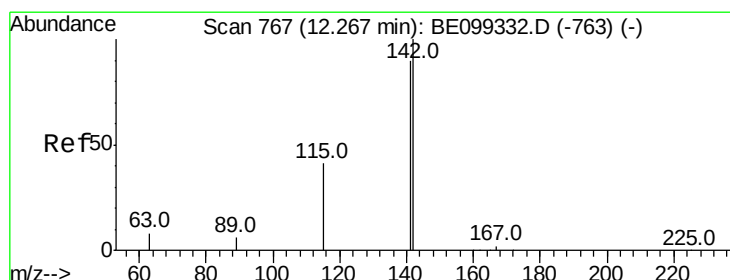
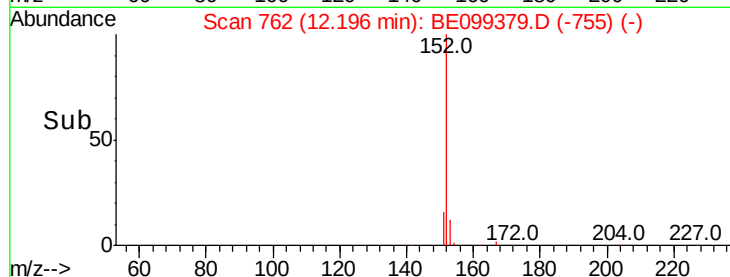
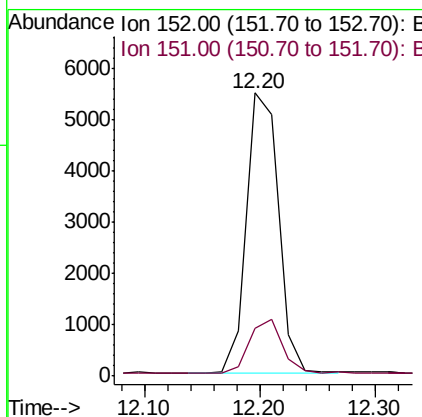
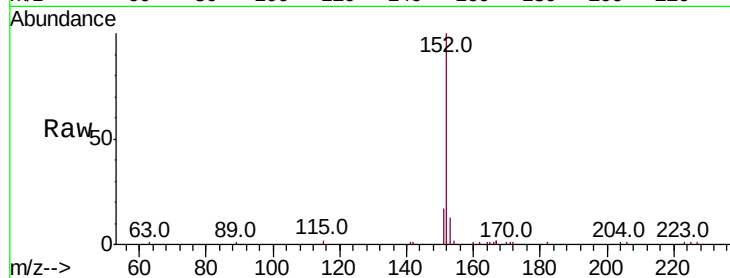
#11
2-Methylnaphthalene-d10
Concen: 0.497 ng
RT: 12.20 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Instrument :
BNA_E
ClientSampleId :
PST-023-B183-042219

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	14.9	22.3

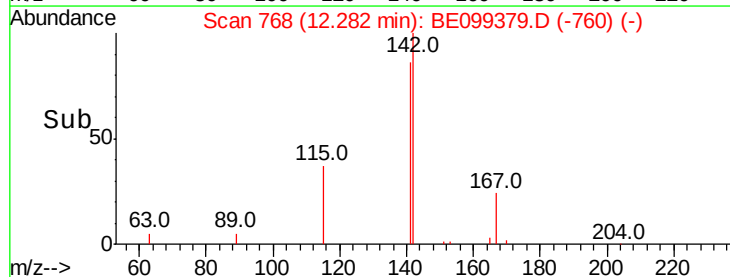
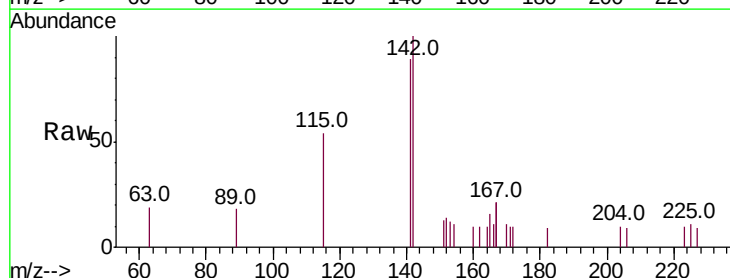
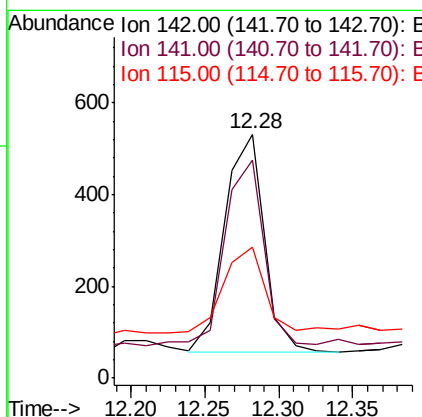
Manual Integrations
APPROVED

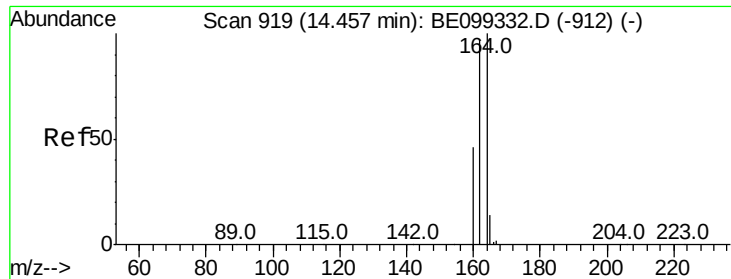
Sohil
4/29/2019 1:28:36 PM



#12
2-Methylnaphthalene
Concen: 0.040 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.02 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	72.0	108.0
115	53.7	33.4	50.0#





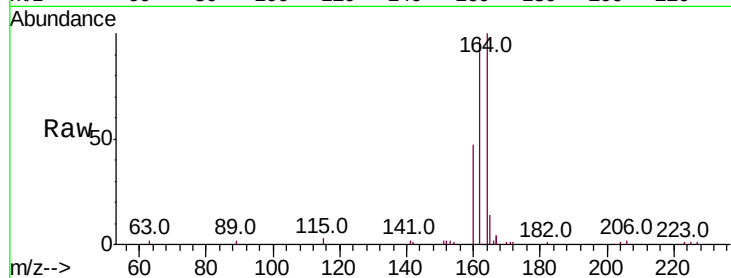
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Instrument :
BNA_E
ClientSampleId :
PST-023-B183-042219

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.7	77.8	116.6
160	47.1	37.1	55.7

Manual Integrations
APPROVED

Sohil
4/29/2019 1:28:36 PM

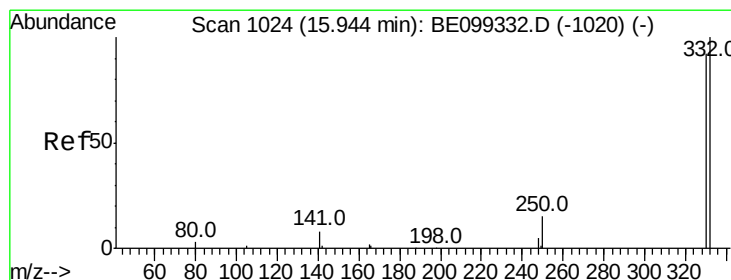
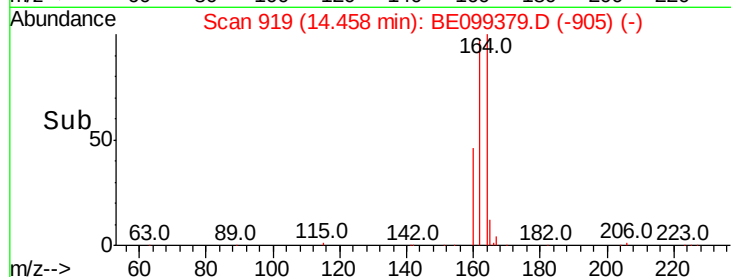
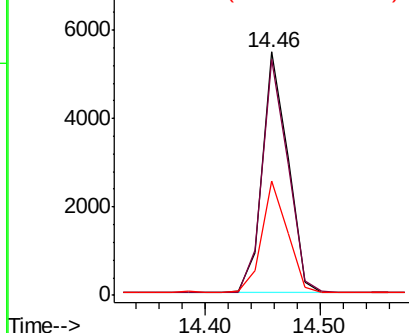


Abundance

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: 0.897 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

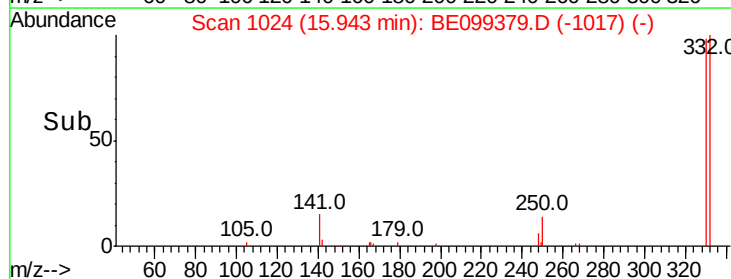
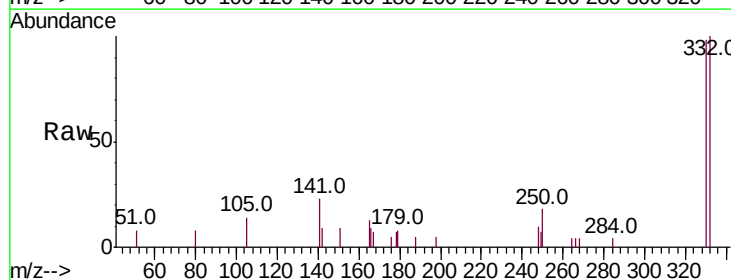
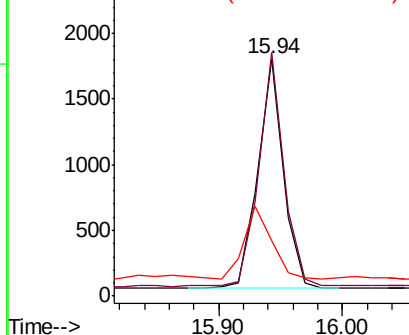
Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.4	82.5	123.7
141	33.1	24.9	37.3

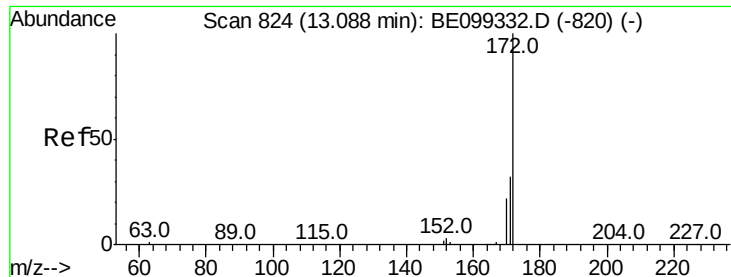
Abundance

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





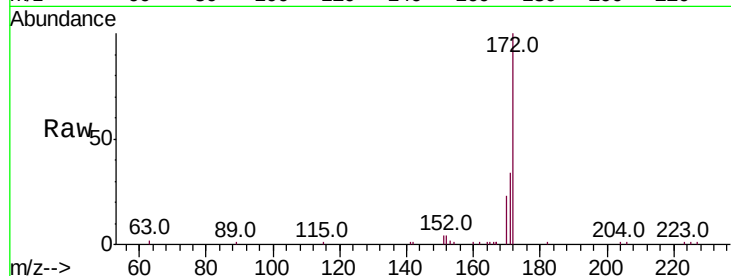
#15
2-Fluorobiphenyl
Concen: 0.468 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Instrument :
BNA_E
ClientSampleId :
PST-023-B183-042219

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.2	26.2	39.2
170	23.4	18.1	27.1

Manual Integrations
APPROVED

Sohil
4/29/2019 1:28:36 PM

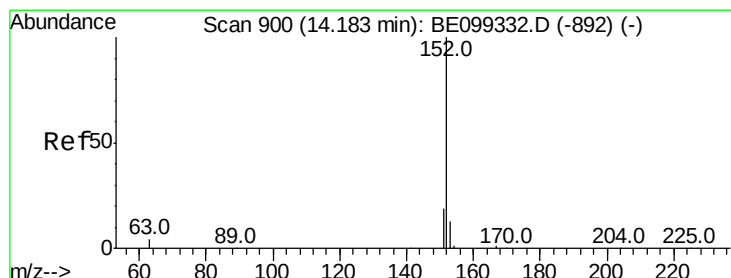
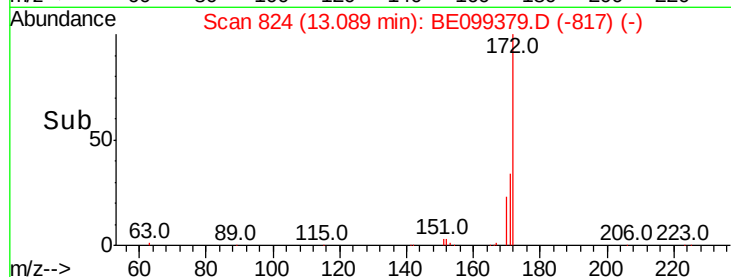
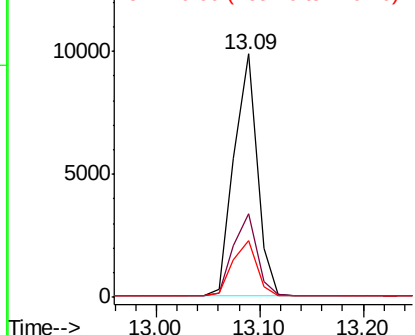


Abundance

Ion 172.00 (171.70 to 172.70): E

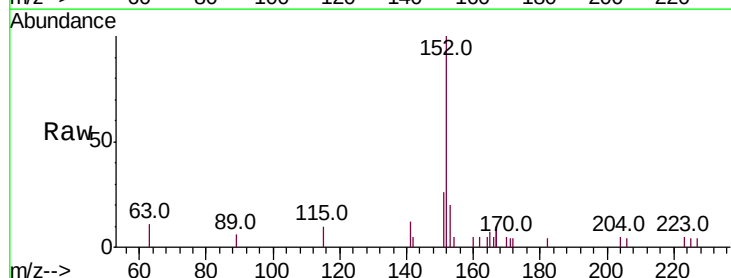
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.075 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.2	15.5	23.3#
153	16.5	10.2	15.4#

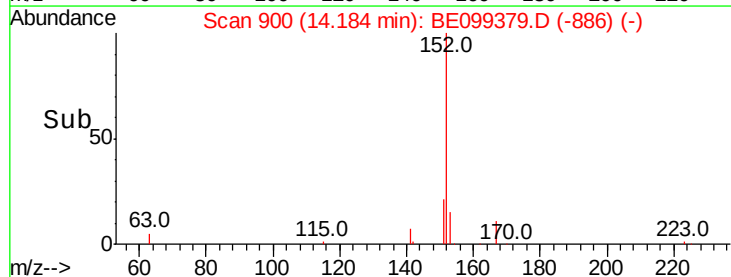
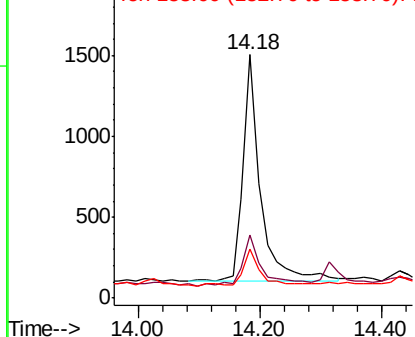


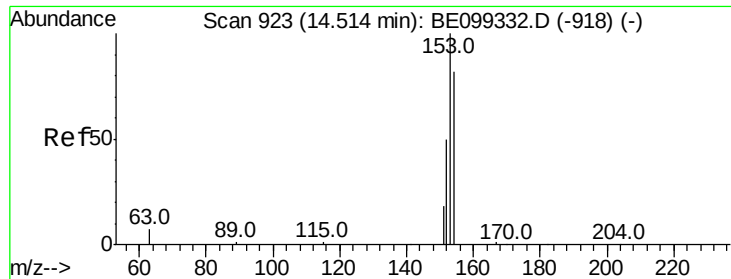
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.045 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.02 min

Lab File: BE099379.D

Acq: 26 Apr 2019 15:43

Instrument :

BNA_E

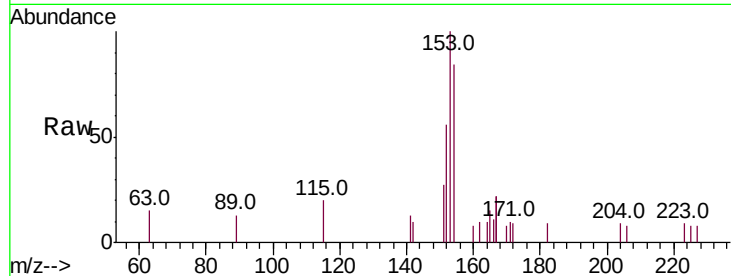
ClientSampled :

PST-023-B183-042219

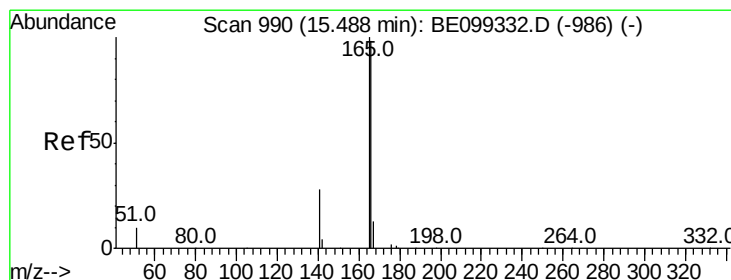
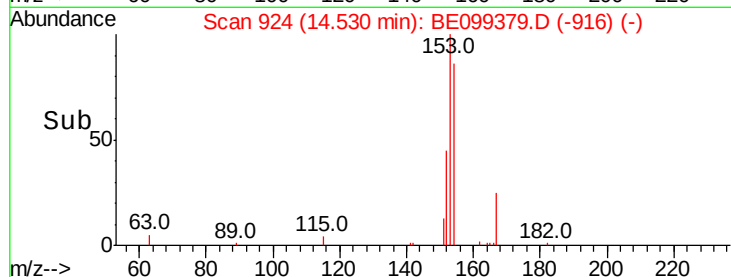
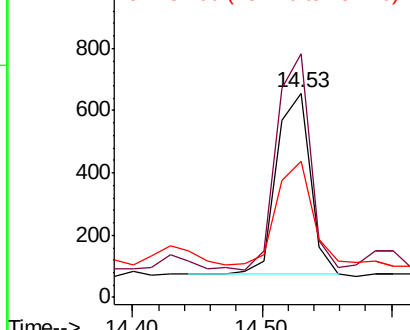
Tot Ion:	154	Resp:	1053
Ion	Ratio	Lower	Upper
154	100		
153	117.5	94.7	142.1
152	61.2	46.4	69.6

Manual Integrations
APPROVED

Sohil
4/29/2019 1:28:36 PM



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



#18

Fluorene

Concen: 0.041 ng

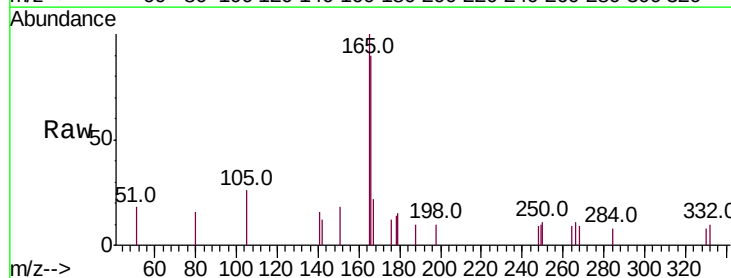
RT: 15.50 min Scan# 991

Delta R.T. 0.01 min

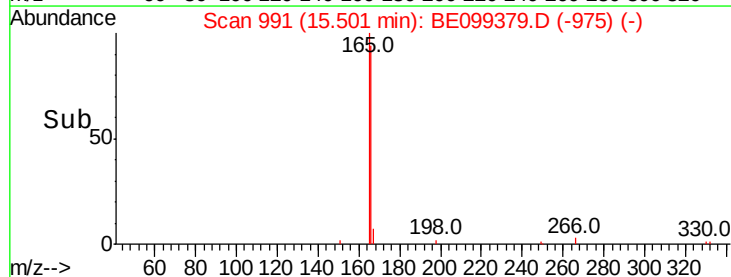
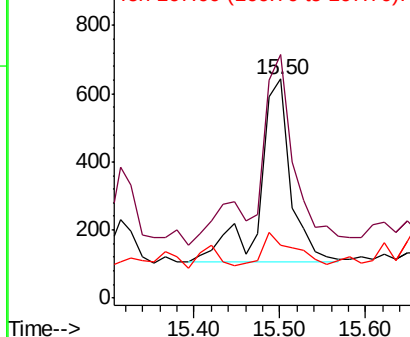
Lab File: BE099379.D

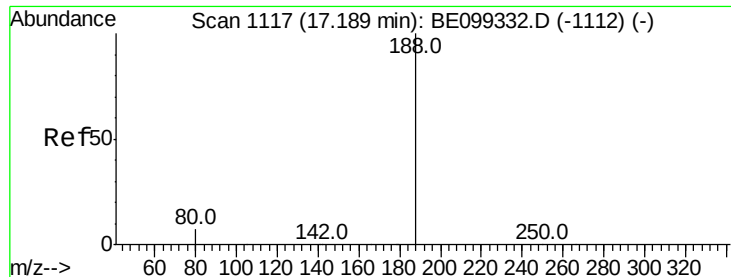
Acq: 26 Apr 2019 15:43

Tgt Ion:	166	Resp:	1362
Ion	Ratio	Lower	Upper
166	100		
165	89.4	79.7	119.5
167	17.7	11.0	16.4#



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





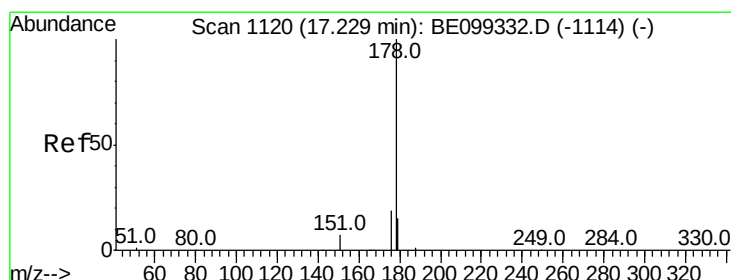
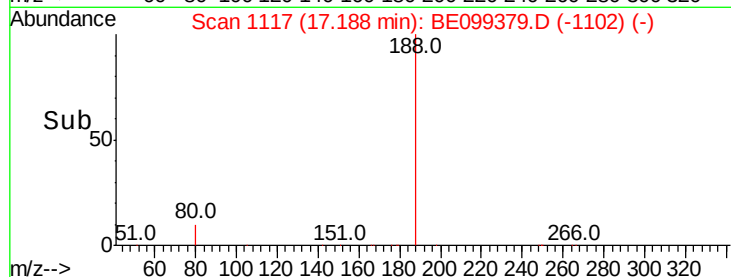
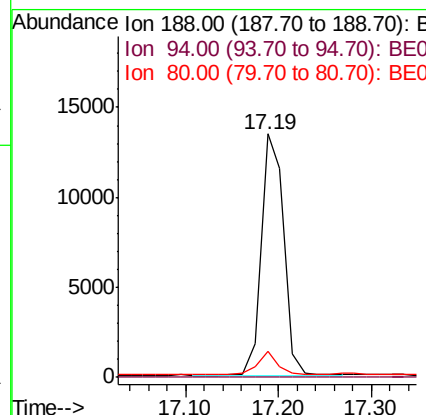
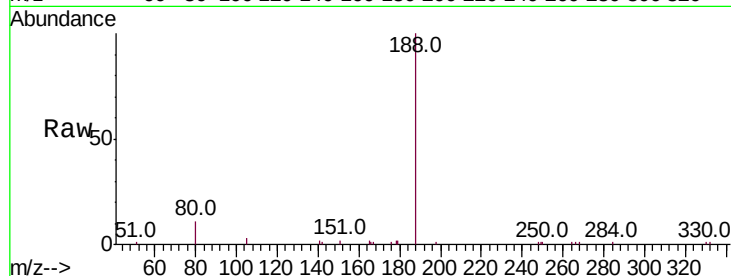
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Instrument :
BNA_E
ClientSampleId :
PST-023-B183-042219

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	6.2	9.4

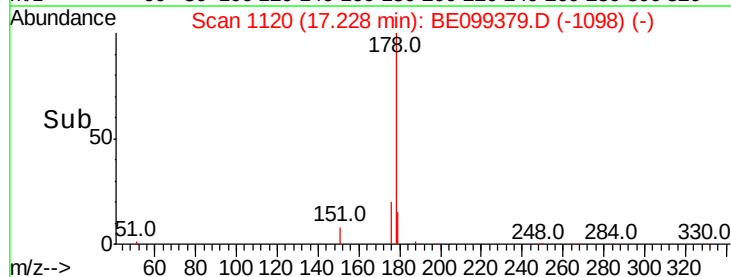
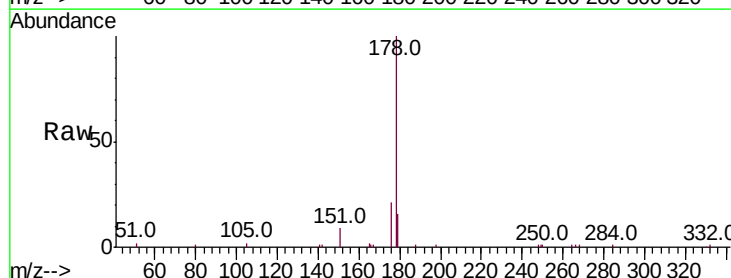
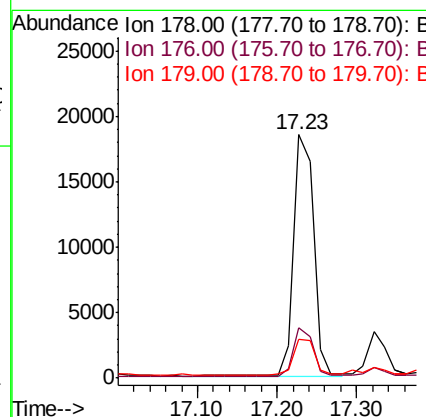
Manual Integrations
APPROVED

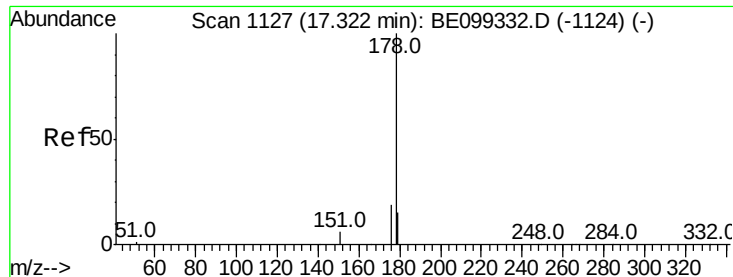
Sohil
4/29/2019 1:28:36 PM



#23
Phenanthrene
Concen: 0.532 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

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





#24

Anthracene

Concen: 0.094 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099379.D

Acq: 26 Apr 2019 15:43

Instrument :

BNA_E

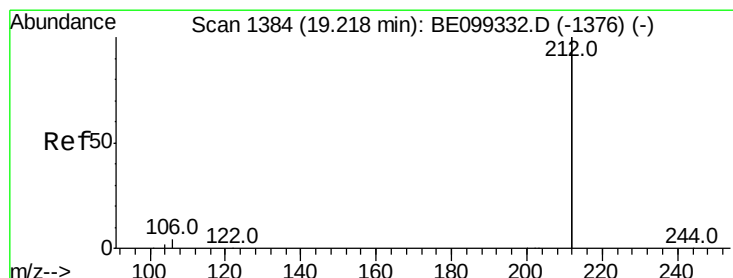
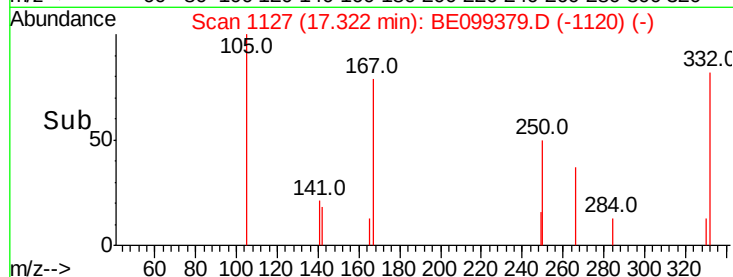
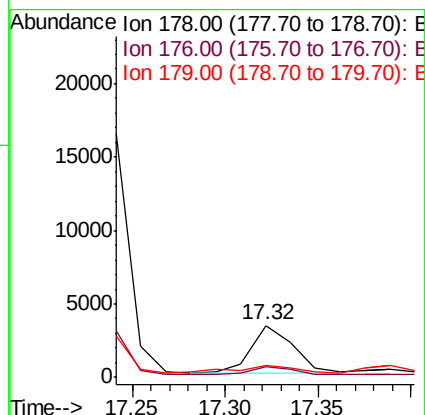
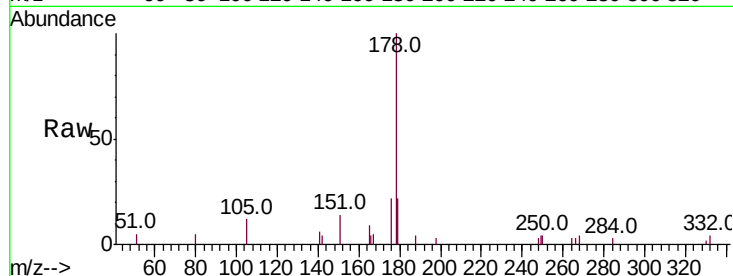
ClientSampleId :

PST-023-B183-042219

Tot Ion:	178	Resp:	5008
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.1	22.7
179	21.3	11.9	17.9#

Manual Integrations
APPROVED

Sohil
4/29/2019 1:28:36 PM



#25

Fluoranthene-d10

Concen: 0.480 ng

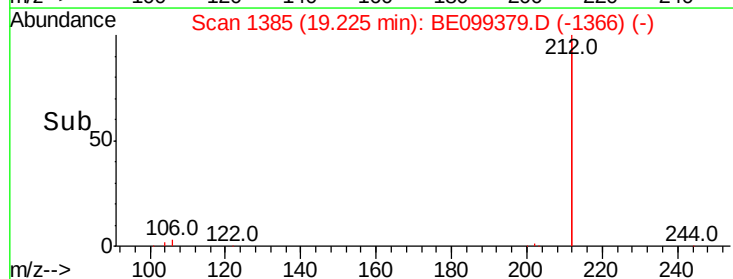
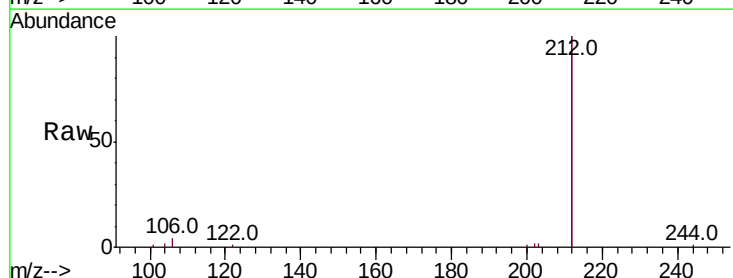
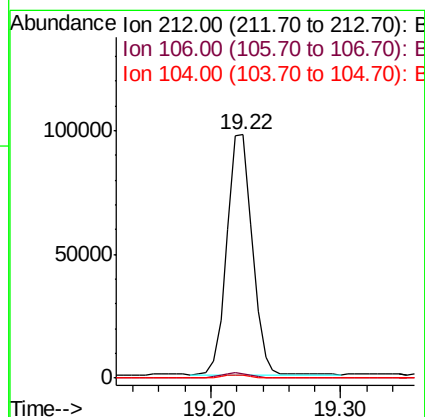
RT: 19.22 min Scan# 1385

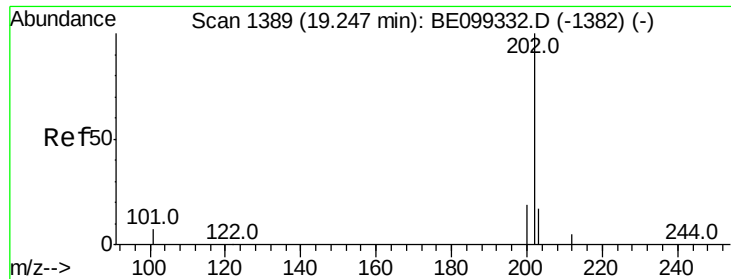
Delta R.T. 0.01 min

Lab File: BE099379.D

Acq: 26 Apr 2019 15:43

Tgt Ion:	212	Resp:	130235
Ion Ratio	Lower	Upper	
212	100		
106	2.0	1.8	2.6
104	1.1	1.0	1.4





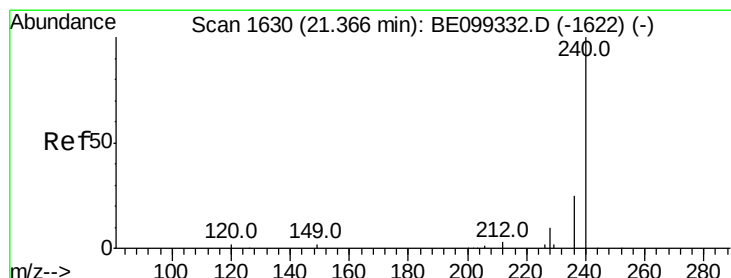
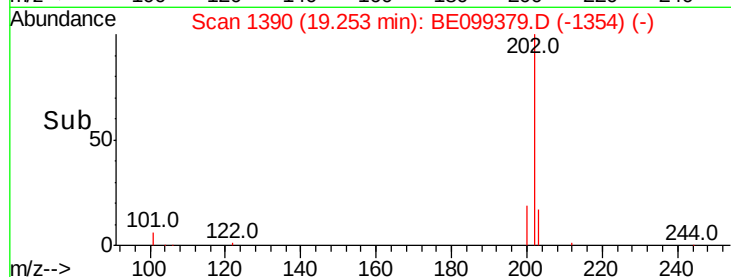
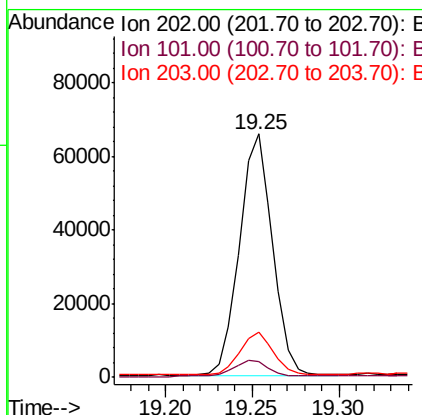
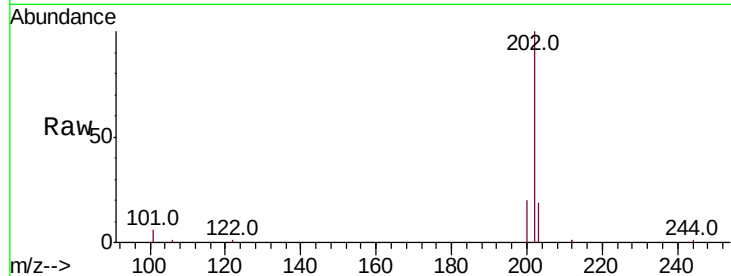
#26
 Fluoranthene
 Concen: 1.086 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: BE099379.D
 Acq: 26 Apr 2019 15:43

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-B183-042219

Tot Ion	Ratio	Resp	Lower	Upper
202	100	86915		
101	7.2		6.4	9.6
203	17.5		13.5	20.3

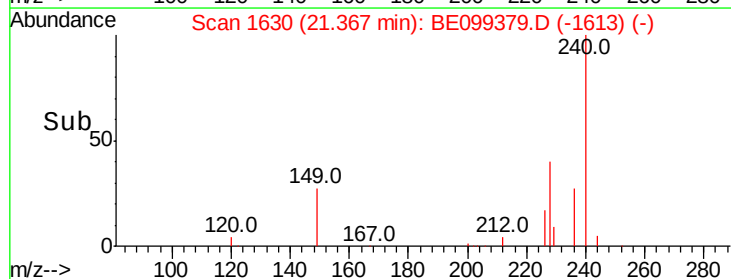
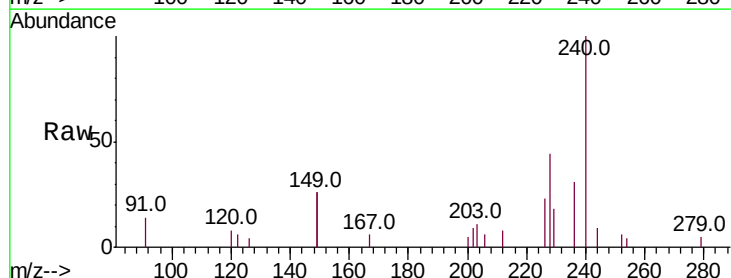
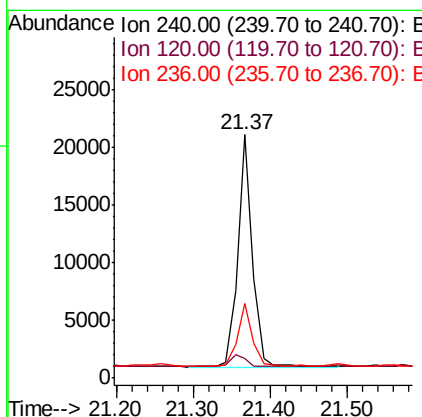
Manual Integrations
 APPROVED

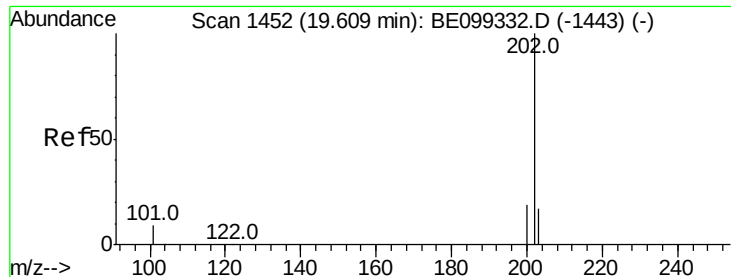
Sohil
 4/29/2019 1:28:36 PM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099379.D
 Acq: 26 Apr 2019 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	26536		
120	8.1		2.2	3.2#
236	30.6		20.2	30.4#





#28

Pvrene

Concen: 1.139 ng

RT: 19.62 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BE099379.D

Acq: 26 Apr 2019 15:43

Instrument :

BNA_E

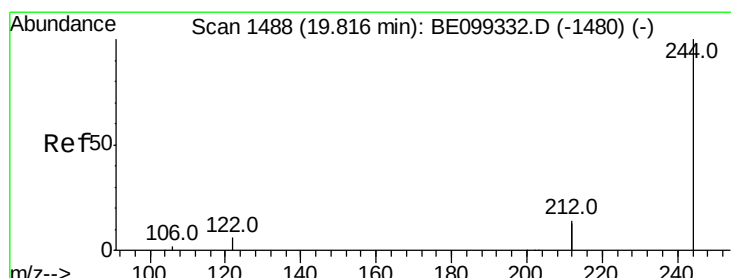
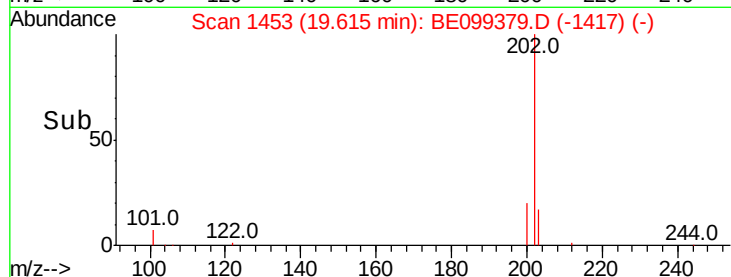
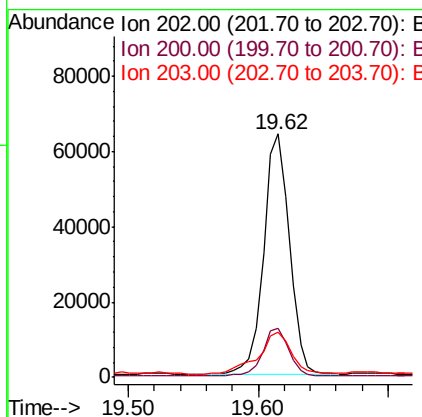
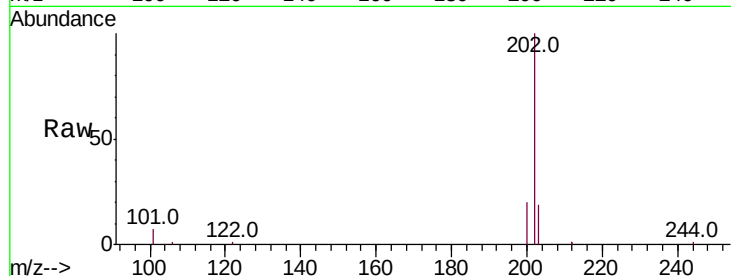
ClientSampleId :

PST-023-B183-042219

Tot Ion:	202	Resp:	89018
Ion Ratio	Lower	Upper	
202	100		
200	19.9	15.7	23.5
203	21.9	13.7	20.5#

Manual Integrations
APPROVED

Sohil
4/29/2019 1:28:36 PM



#29

Terphenyl-d14

Concen: 0.434 ng

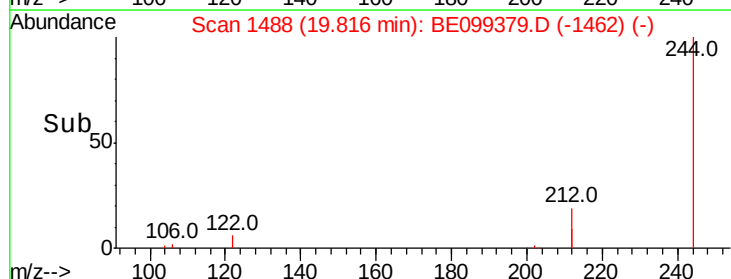
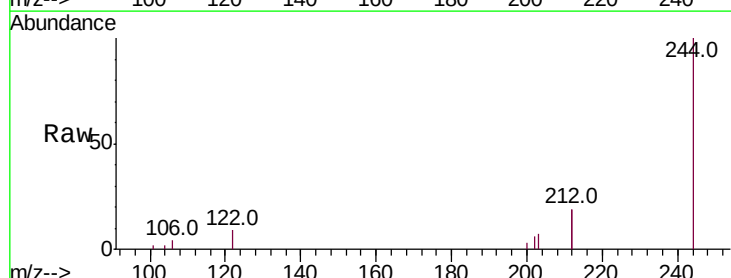
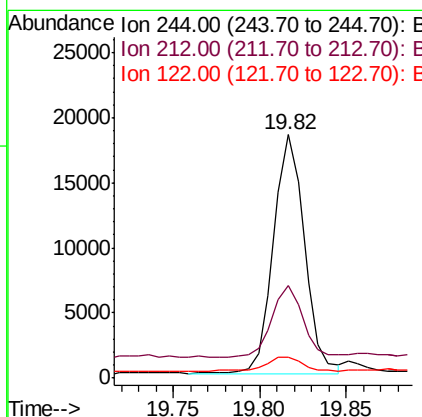
RT: 19.82 min Scan# 1488

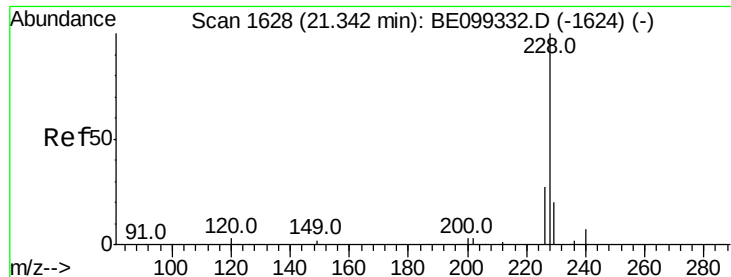
Delta R.T. 0.00 min

Lab File: BE099379.D

Acq: 26 Apr 2019 15:43

Tgt Ion:	244	Resp:	22653
Ion Ratio	Lower	Upper	
244	100		
212	38.0	22.6	33.8#
122	8.7	4.6	7.0#





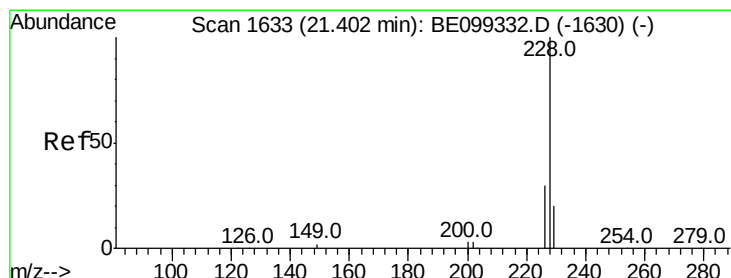
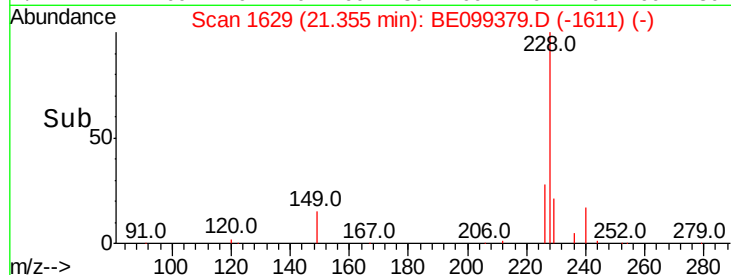
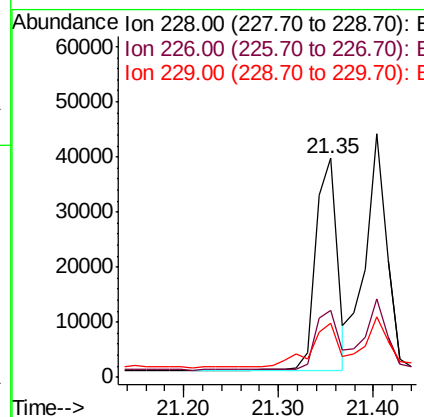
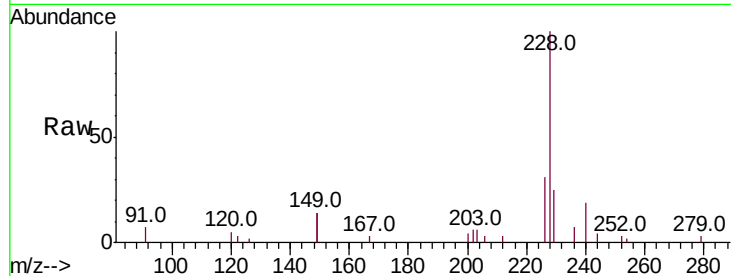
#30
Benzo(a)anthracene
Concen: 0.780 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Instrument :
BNA_E
ClientSampleId :
PST-023-B183-042219

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.0	33.0
229	25.0	15.8	23.8

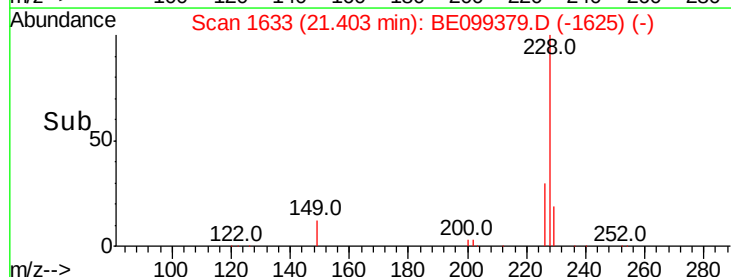
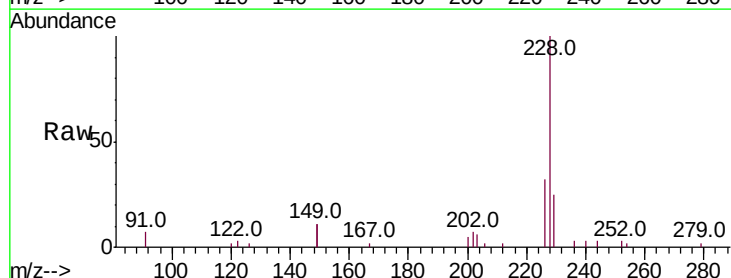
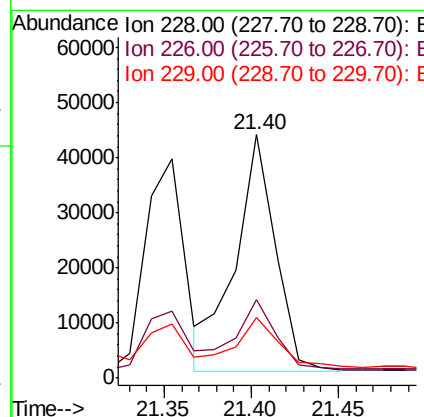
Manual Integrations
APPROVED

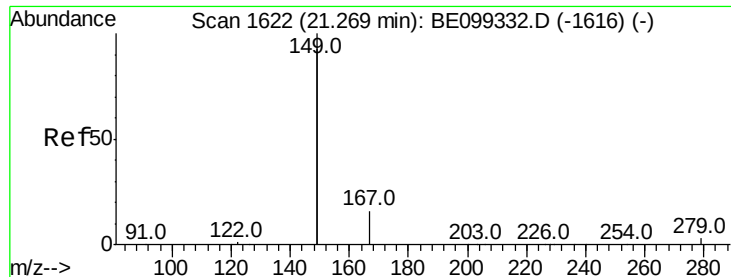
Sohil
4/29/2019 1:28:36 PM



#31
Chrysene
Concen: 0.831 ng m
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.0	23.4	35.2
229	25.0	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.388 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099379.D

Acq: 26 Apr 2019 15:43

Instrument :

BNA_E

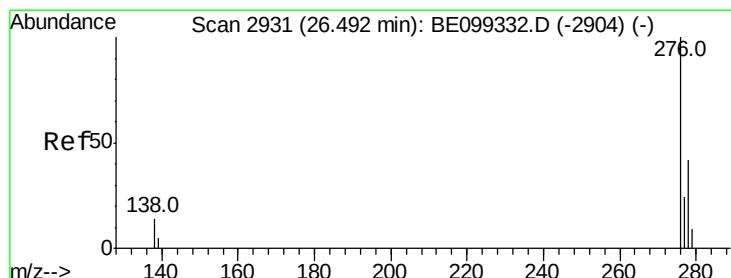
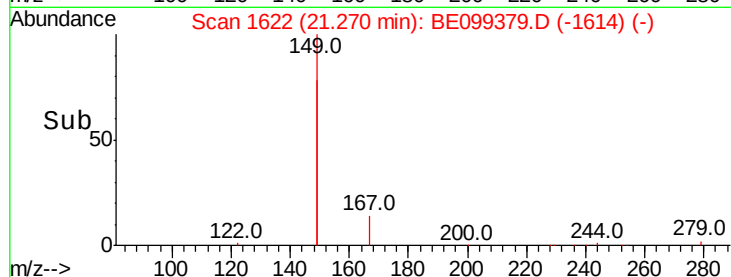
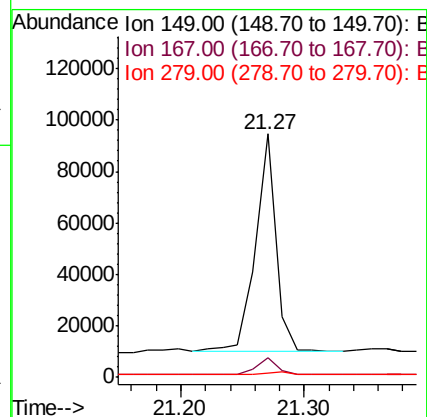
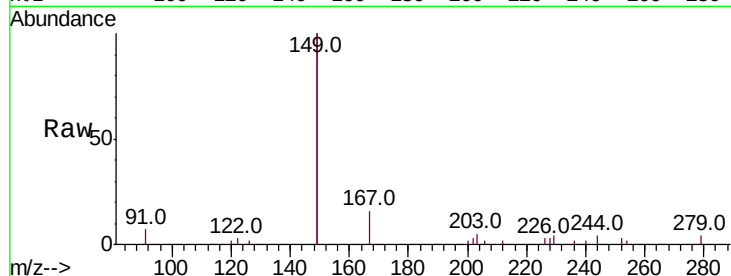
ClientSampleId :

PST-023-B183-042219

Tot Ion:	149	Resp:	98561
Ion Ratio	Lower	Upper	
149	100		
167	7.4	6.0	9.0
279	1.5	1.1	1.7

Manual Integrations
APPROVED

Sohil
4/29/2019 1:28:36 PM



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.395 ng

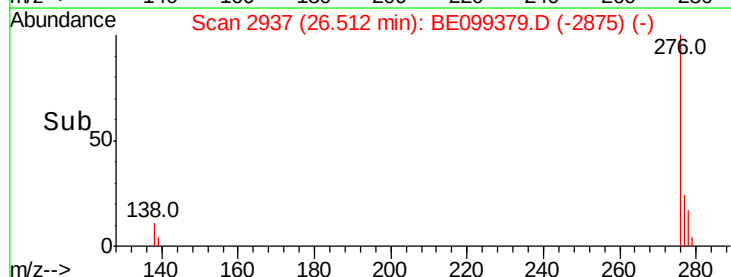
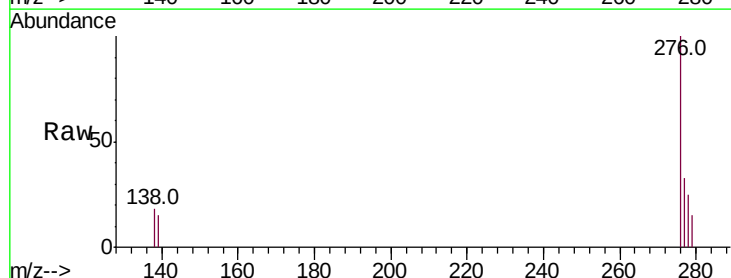
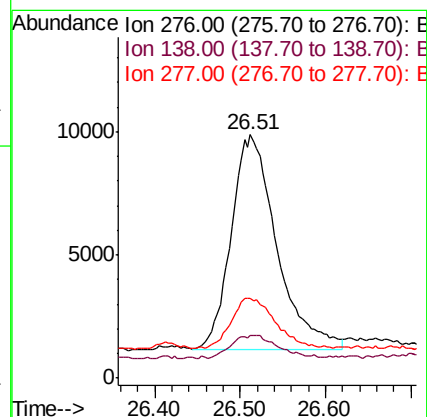
RT: 26.51 min Scan# 2937

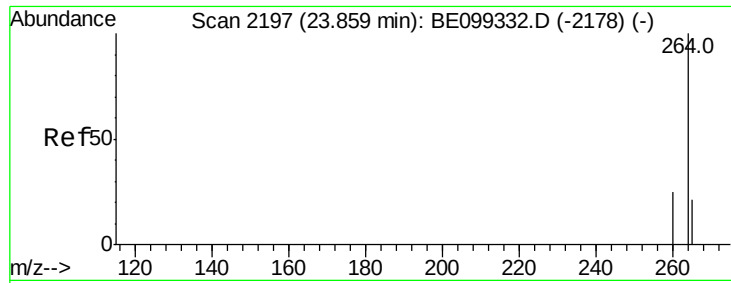
Delta R.T. 0.02 min

Lab File: BE099379.D

Acq: 26 Apr 2019 15:43

Tgt Ion:	276	Resp:	32413
Ion Ratio	Lower	Upper	
276	100		
138	10.8	12.7	19.1#
277	22.6	19.6	29.4





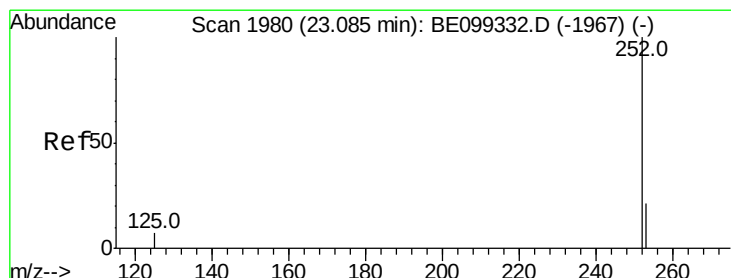
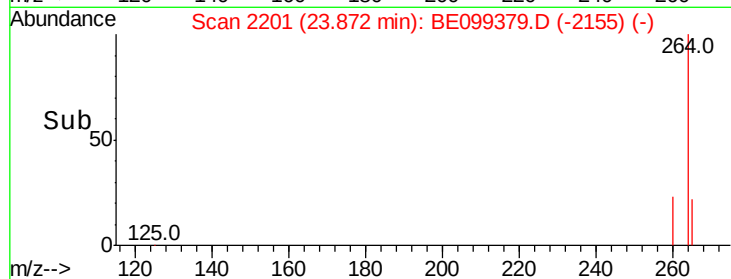
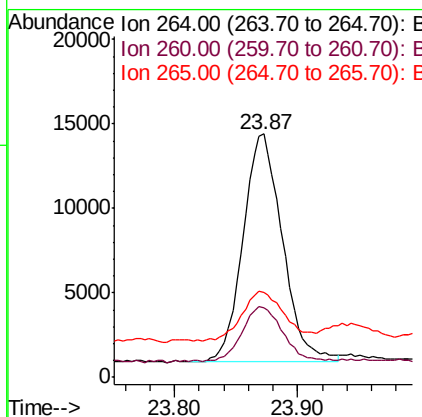
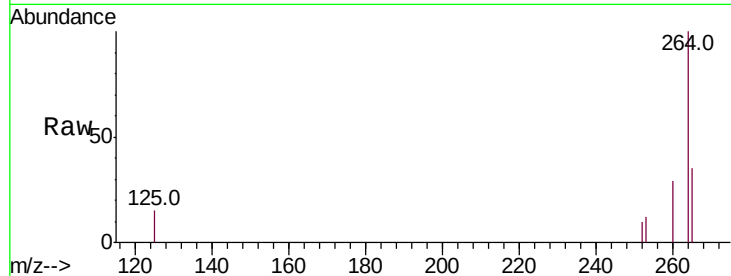
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Instrument :
BNA_E
ClientSampleId :
PST-023-B183-042219

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	28.8	20.1	30.1	
265	35.1	19.9	29.9	

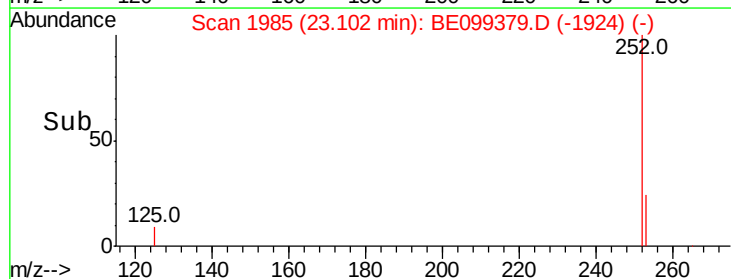
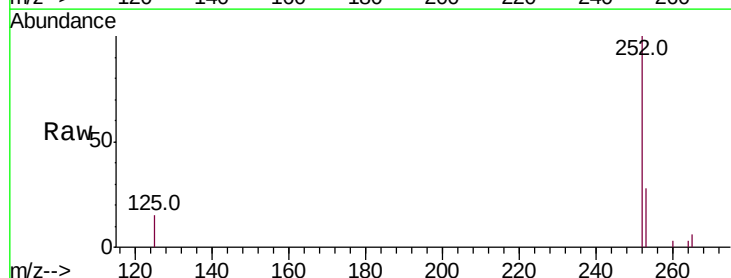
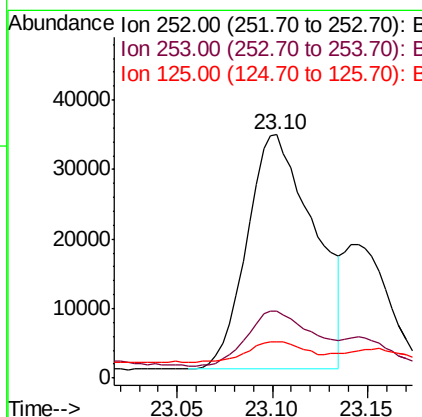
Manual Integrations
APPROVED

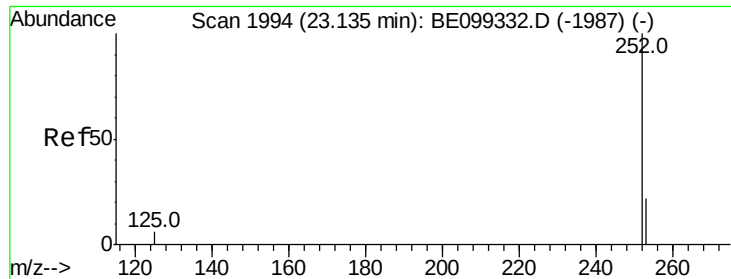
Sohil
4/29/2019 1:28:36 PM



#35
Benzo(b)fluoranthene
Concen: 0.901 ng
RT: 23.10 min Scan# 1985
Delta R.T. 0.02 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	27.5	17.3	25.9	
125	14.9	5.8	8.6	





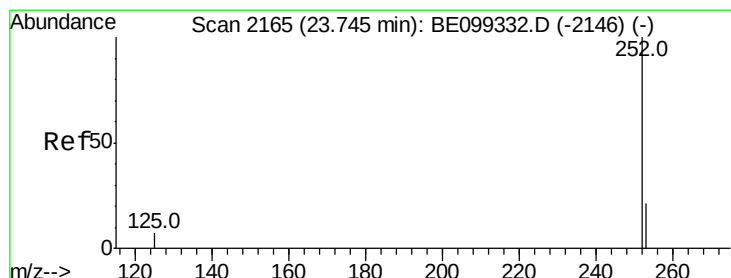
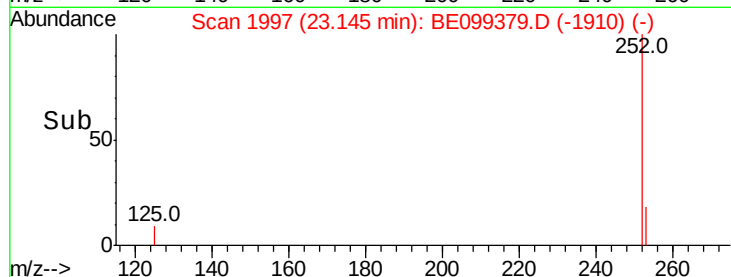
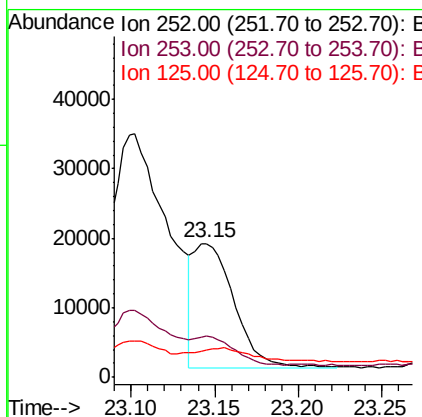
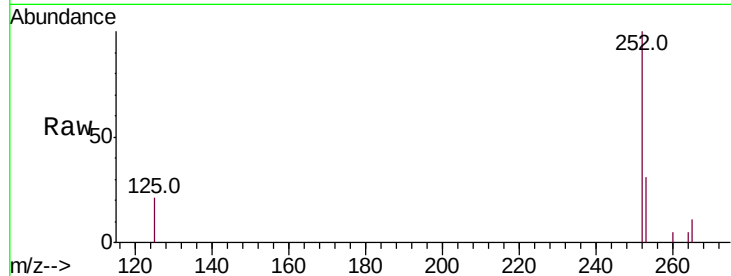
#36
Benzo(k)fluoranthene
Concen: 0.327 ng m
RT: 23.15 min Scan# 1997
Delta R.T. 0.01 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Instrument :
BNA_E
ClientSampleId :
PST-023-B183-042219

Tot Ion:252 Resp: 29886
Ion Ratio Lower Upper
252 100
253 30.7 18.4 27.6#
125 20.7 5.4 8.0#

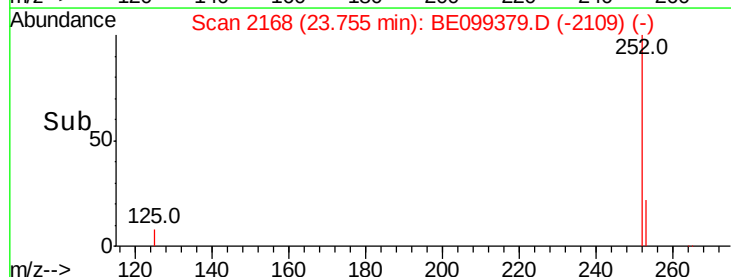
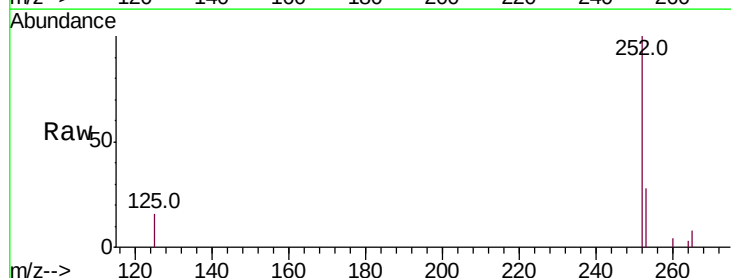
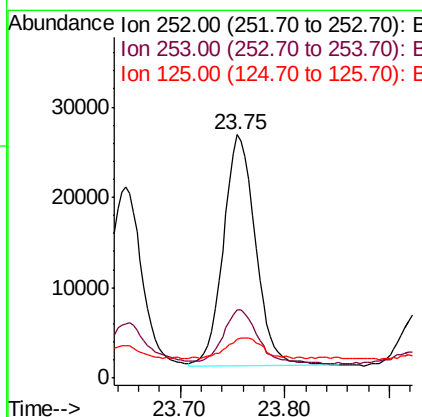
Manual Integrations
APPROVED

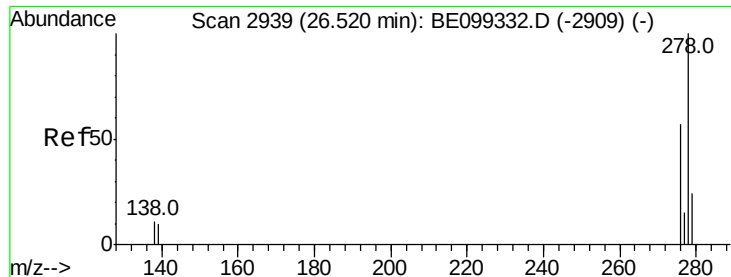
Sohil
4/29/2019 1:28:36 PM



#37
Benzo(a)pyrene
Concen: 0.658 ng
RT: 23.75 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Tgt Ion:252 Resp: 54088
Ion Ratio Lower Upper
252 100
253 28.2 17.6 26.4#
125 15.9 6.5 9.7#





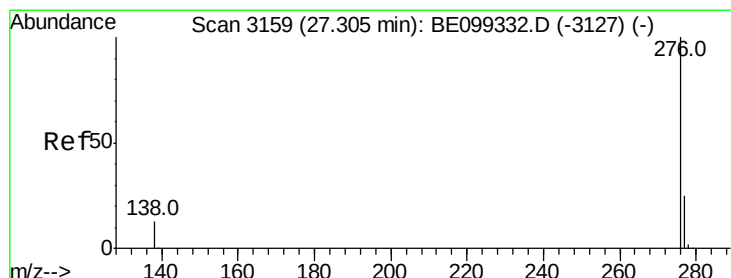
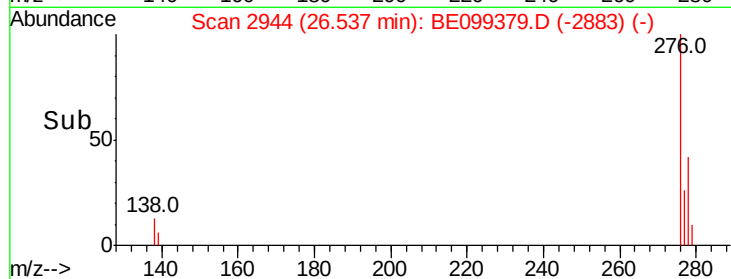
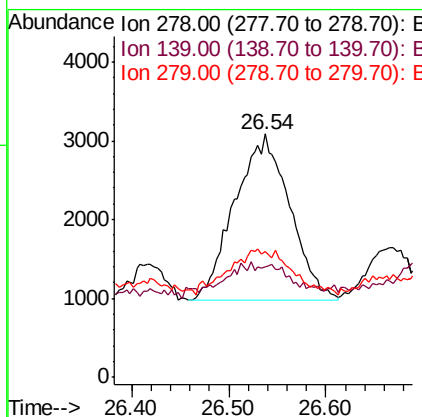
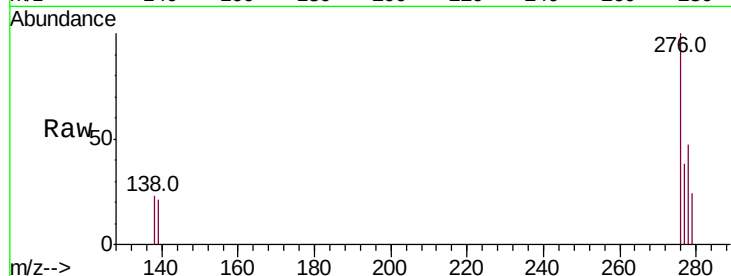
#38
Dibenzo(a,h)anthracene
Concen: 0.099 ng
RT: 26.54 min Scan# 2944
Delta R.T. 0.02 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Instrument :
BNA_E
ClientSampleId :
PST-023-B183-042219

Tot Ion	Ratio	Lower	Upper
278	100		
139	45.4	8.5	12.7#
279	51.6	19.8	29.8#

Manual Integrations
APPROVED

Sohil
4/29/2019 1:28:36 PM



#39
Benzo(g,h,i)perylene
Concen: 0.365 ng
RT: 27.34 min Scan# 3169
Delta R.T. 0.03 min
Lab File: BE099379.D
Acq: 26 Apr 2019 15:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.3	20.0	30.0#
138	17.8	11.1	16.7#

