

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099381.D
 Acq On : 26 Apr 2019 16:53
 Operator : JU/SJ
 Sample : K2569-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW026-042319

Manual Integrations
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Sohil
 4/29/2019 1:28:42 PM

Quant Time: Apr 27 06:37:39 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	3483	0.40	ng	0.00
7) Naphthalene-d8	10.62	136	13618	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	9981	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	28187	0.40	ng	0.00
27) Chrysene-d12	21.37	240	32553	0.40	ng	0.00
34) Perylene-d12	23.87	264	37417	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	2705	0.32	ng	0.01
5) Phenol-d6	6.98	99	4347	0.36	ng	0.00
8) Nitrobenzene-d5	8.97	82	3635	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	6100	0.25	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	1721	0.52	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	8863	0.23	ng	0.00
25) Fluoranthene-d10	19.22	212	70964	0.21	ng	0.00
29) Terphenyl-d14	19.82	244	14559	0.23	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	8712	0.059	ng	# 97
12) 2-Methylnaphthalene	12.28	142	1550	0.061	ng	95
16) Acenaphthylene	14.18	152	5689	0.126	ng	98
17) Acenaphthene	14.53	154	1768	0.064	ng	97
18) Fluorene	15.50	166	3570	0.089	ng	92
23) Phenanthrene	17.24	178	96894	1.298	ng	99
24) Anthracene	17.32	178	15737	0.237	ng	98
26) Fluoranthene	19.25	202	302856	3.031	ng	98
28) Pyrene	19.62	202	293291	3.058	ng	# 95
30) Benzo(a)anthracene	21.35	228	168402	1.760	ng	97
31) Chrysene	21.40	228	208447	2.047	ng	96
32) Bis(2-ethylhexyl)phthalate	21.27	149	52064	0.598	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.52	276	128072	1.273	ng	# 92
35) Benzo(b)fluoranthene	23.10	252	301458	2.632	ng	97
36) Benzo(k)fluoranthene	23.15	252	108411m	0.949	ng	
37) Benzo(a)pyrene	23.76	252	193559	1.886	ng	97
38) Dibenzo(a,h)anthracene	26.53	278	28870	0.275	ng	# 85
39) Benzo(a,h,i)perylene	27.34	276	125614	1.181	ng	97

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

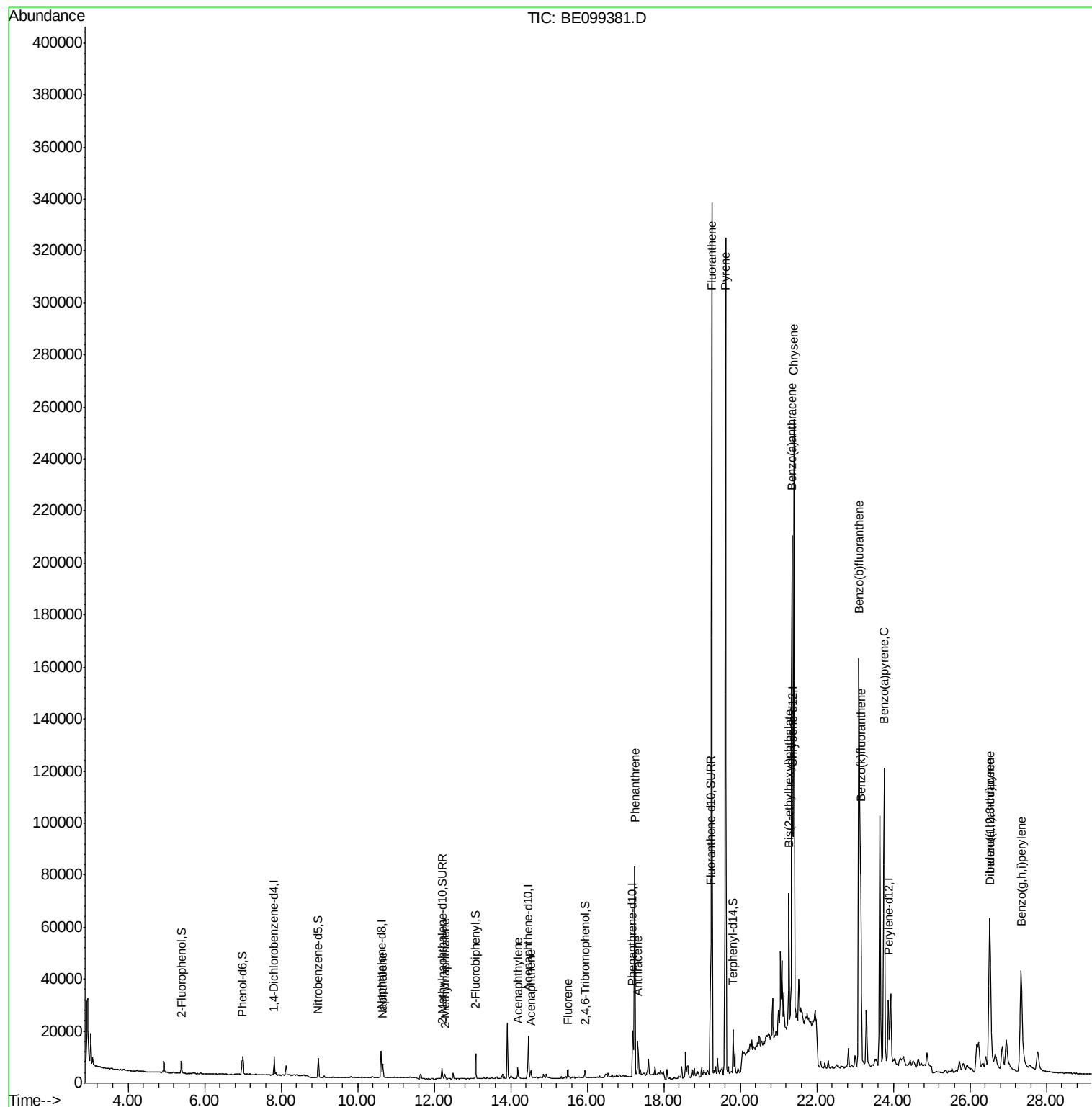
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
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ALS Vial : 13 Sample Multiplier: 1

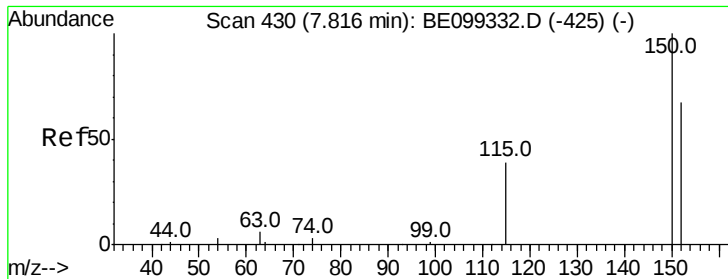
Instrument :
BNA_E
ClientSampleId :
PST-023-SW026-042319

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Quant Time: Apr 27 06:37:39 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

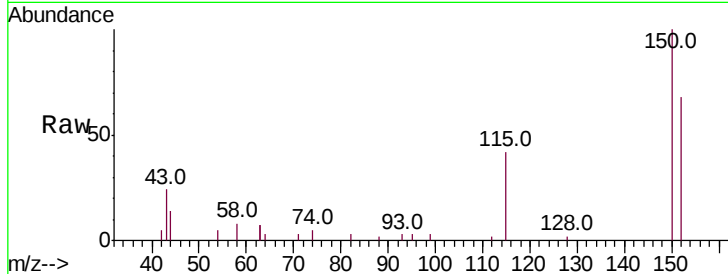
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099381.D
Acq: 26 Apr 2019 16:53

Instrument :
BNA_E
ClientSampleId :
PST-023-SW026-042319

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.6	119.5	179.3
115	61.9	47.5	71.3

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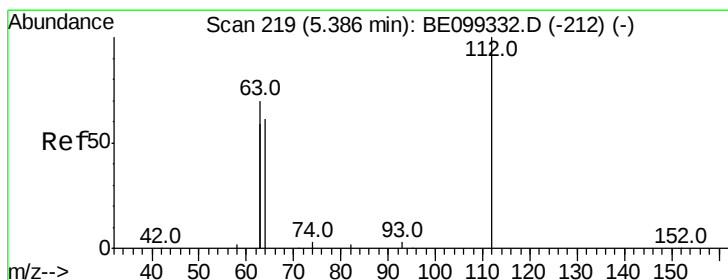
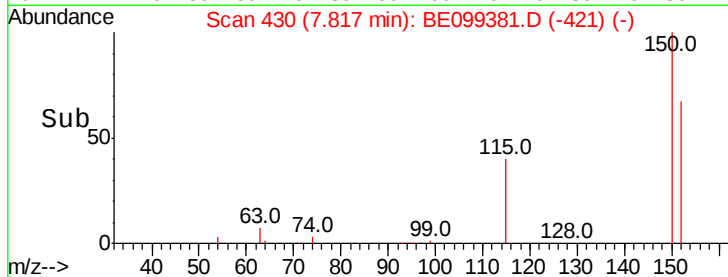
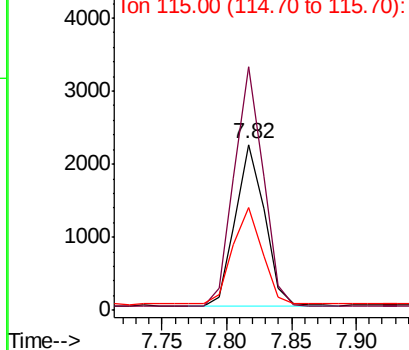


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

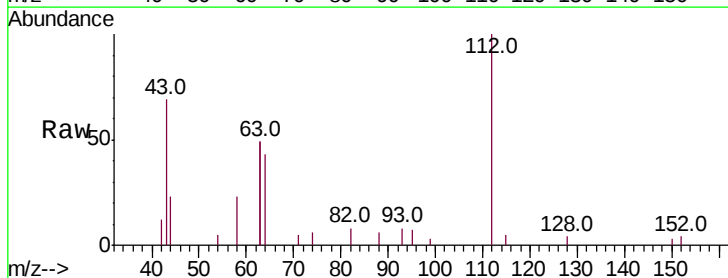
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.318 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE099381.D
Acq: 26 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	44.9	67.3
63	128.5	97.4	146.0

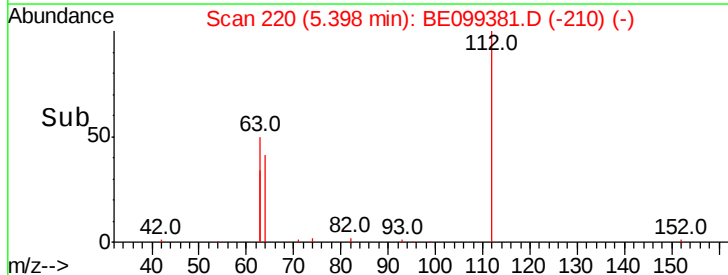
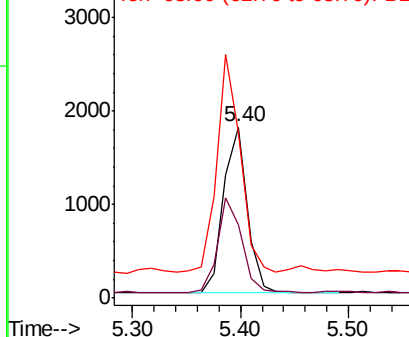


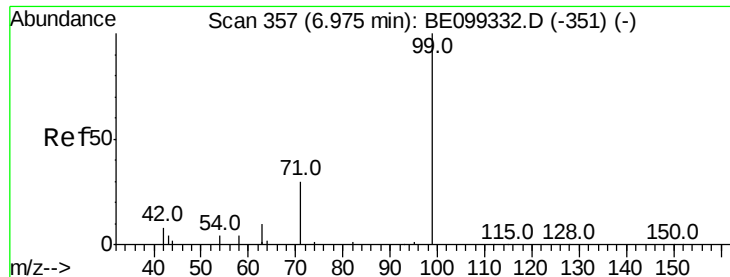
Abundance

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: 0.358 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099381.D

Acq: 26 Apr 2019 16:53

Instrument :

BNA_E

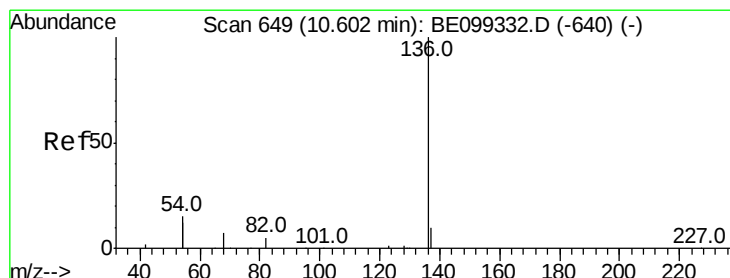
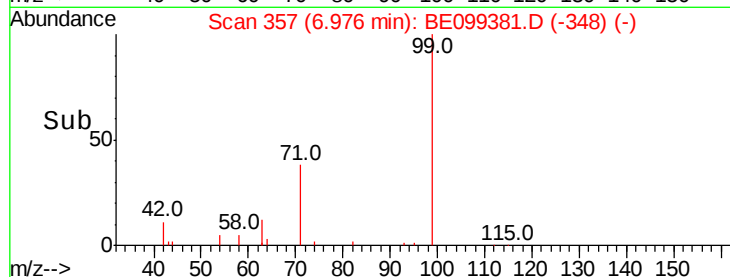
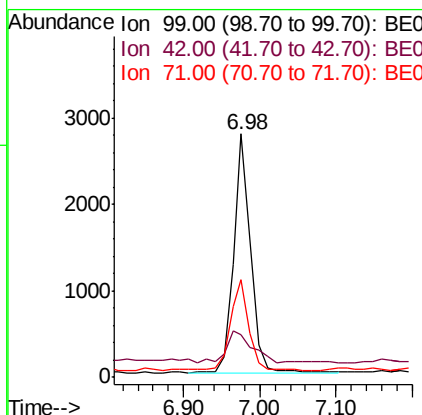
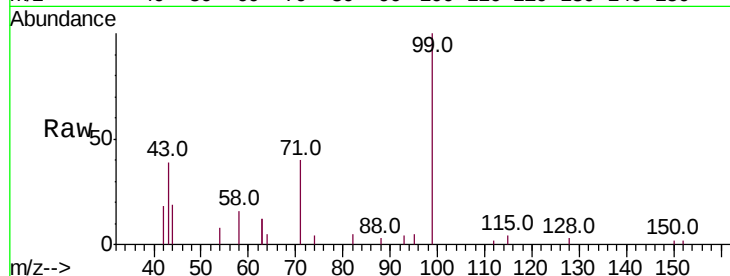
ClientSampleId :

PST-023-SW026-042319

Tot Ion:	99	Resp:	4347
Ion	Ratio	Lower	Upper
99	100		
42	19.7	11.7	17.5#
71	40.7	29.6	44.4

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#7

Naphthalene-d8

Concen: 0.400 ng

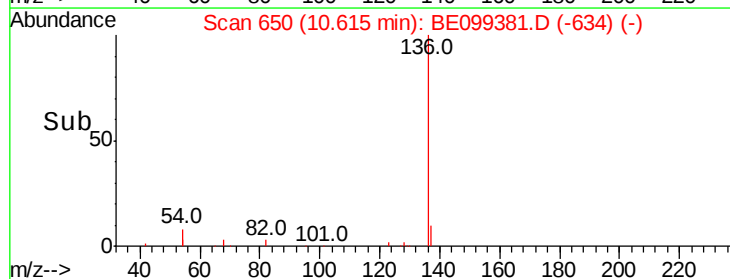
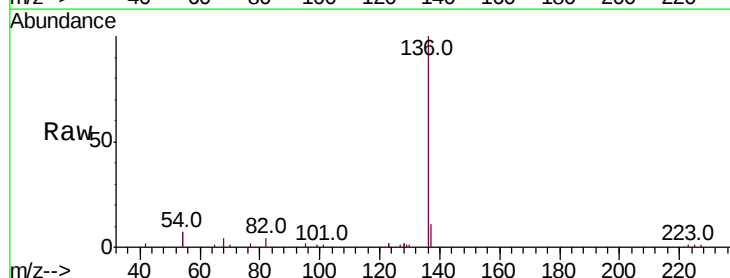
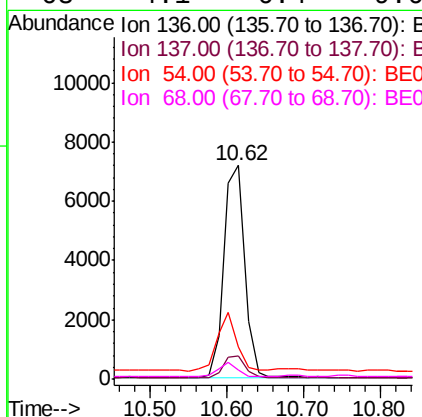
RT: 10.62 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099381.D

Acq: 26 Apr 2019 16:53

Tgt Ion:	136	Resp:	13618
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	14.9	23.8	35.8#
68	4.1	6.4	9.6#





#8

Nitrobenzene-d5

Concen: 0.344 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099381.D

Acq: 26 Apr 2019 16:53

Instrument :

BNA_E

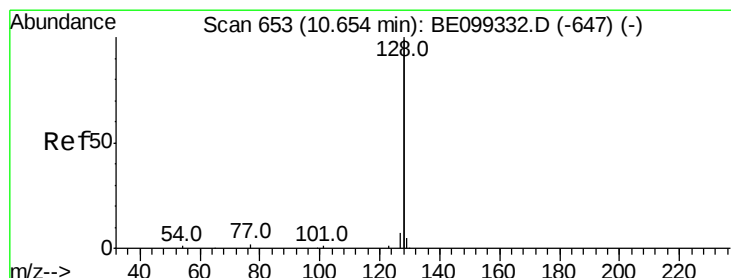
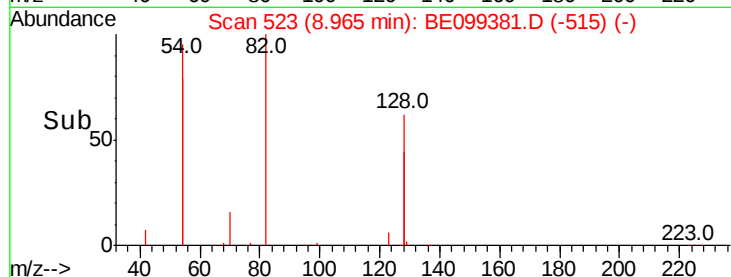
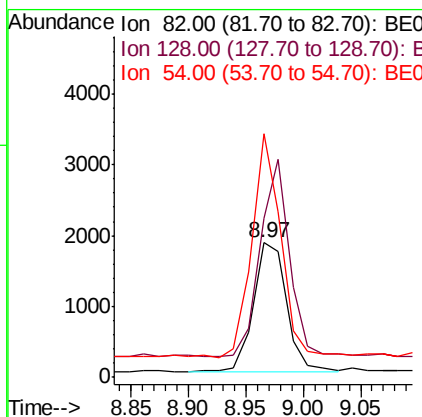
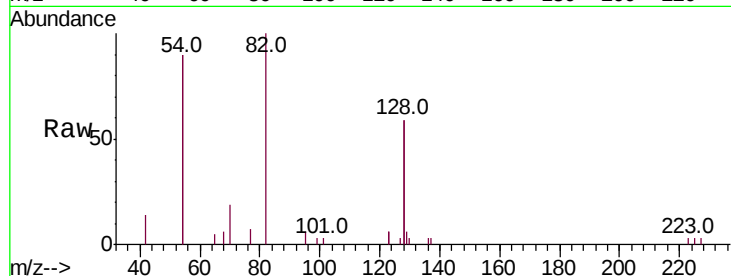
ClientSampleId :

PST-023-SW026-042319

Tot Ion	Ratio	Lower	Upper
82	100		
128	118.4	91.7	137.5
54	180.7	122.8	184.2

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#9

Naphthalene

Concen: 0.059 ng

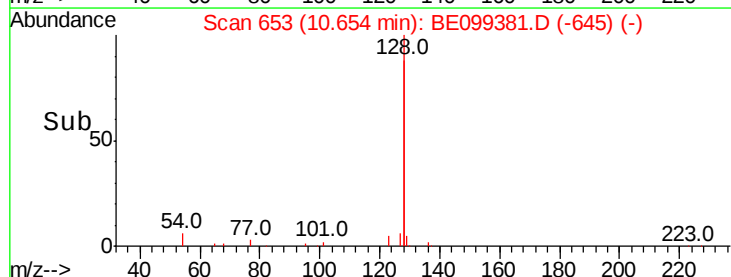
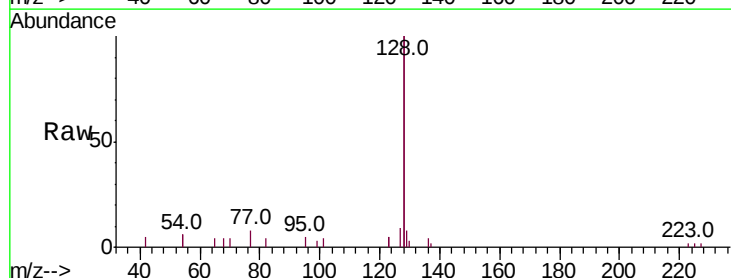
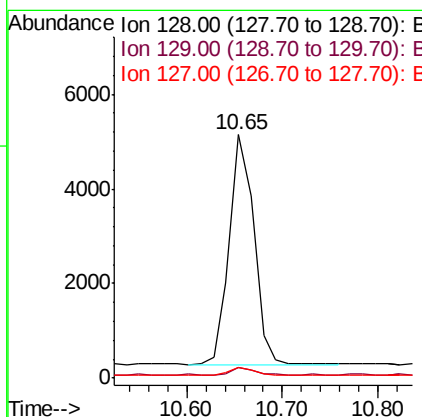
RT: 10.65 min Scan# 653

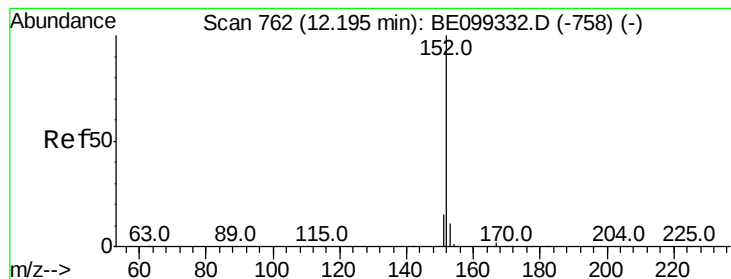
Delta R.T. 0.00 min

Lab File: BE099381.D

Acq: 26 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
128	100		
129	4.2	2.3	3.5#
127	4.3	2.8	4.2#





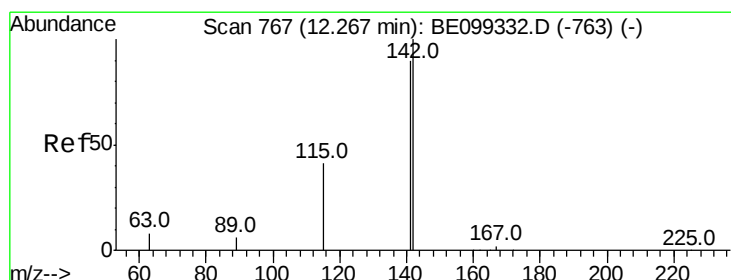
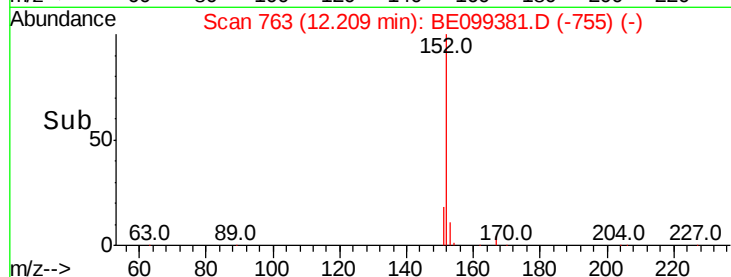
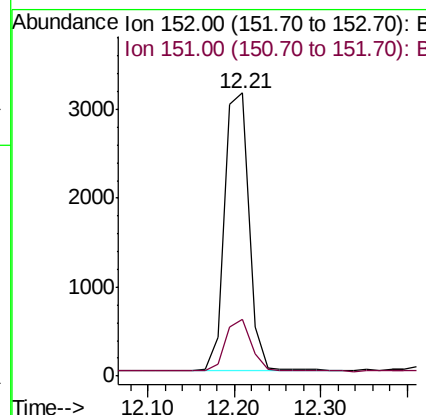
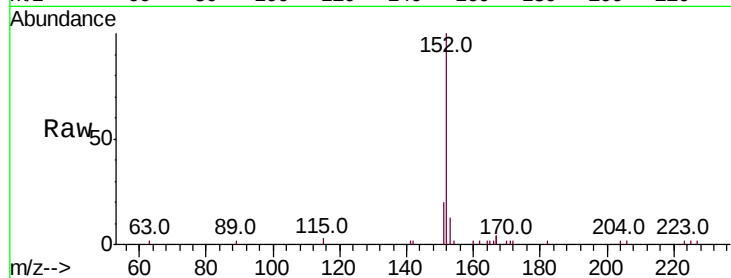
#11
 2-Methylnaphthalene-d10
 Concen: 0.254 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099381.D
 Acq: 26 Apr 2019 16:53

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW026-042319

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	14.9	22.3

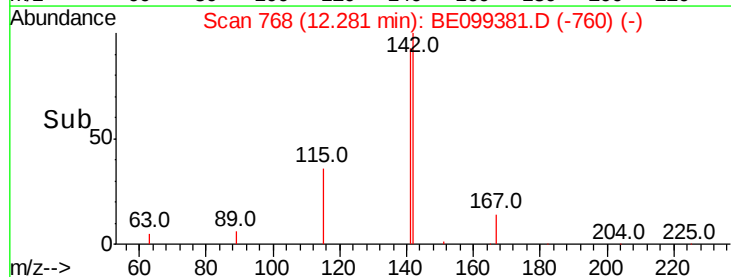
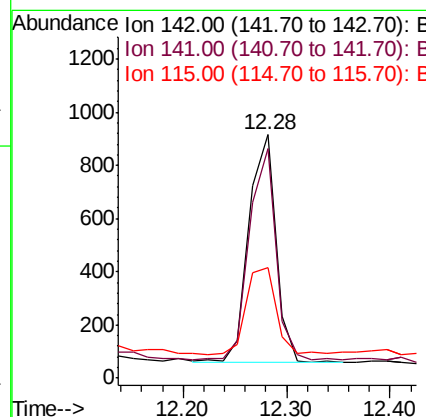
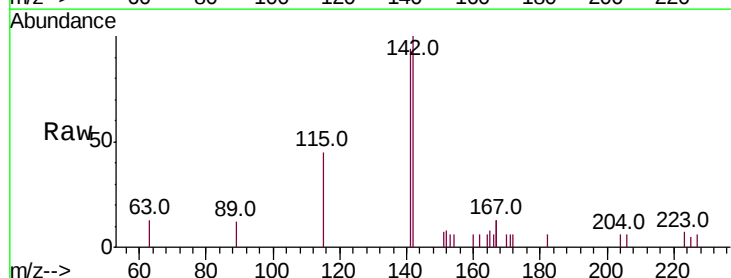
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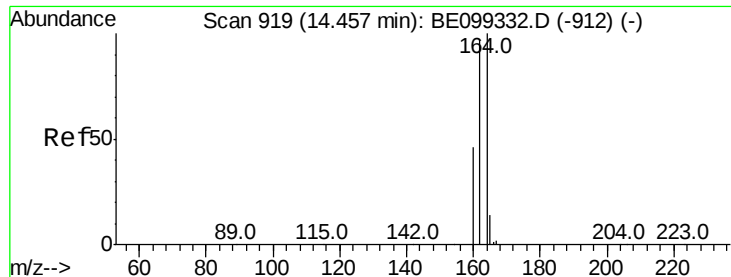
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#12
 2-Methylnaphthalene
 Concen: 0.061 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099381.D
 Acq: 26 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.3	72.0	108.0
115	45.3	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: BE099381.D

Acq: 26 Apr 2019 16:53

Instrument :

BNA_E

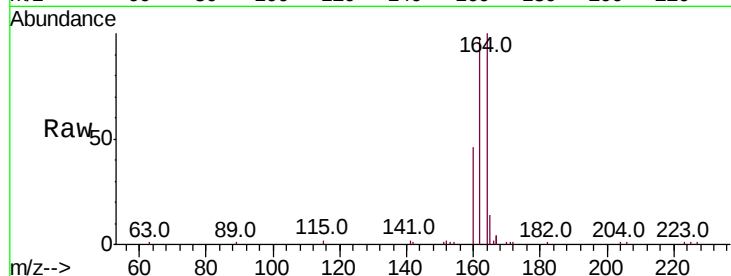
ClientSampleId :

PST-023-SW026-042319

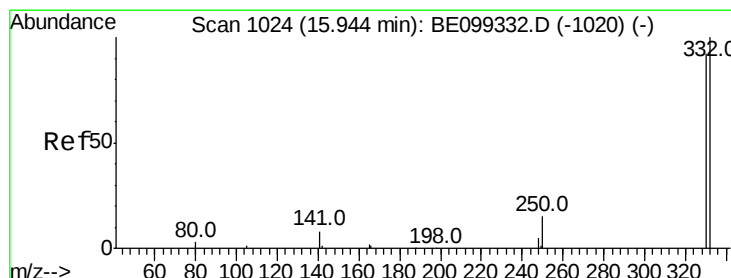
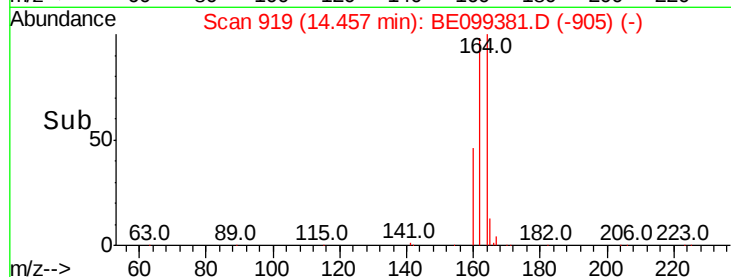
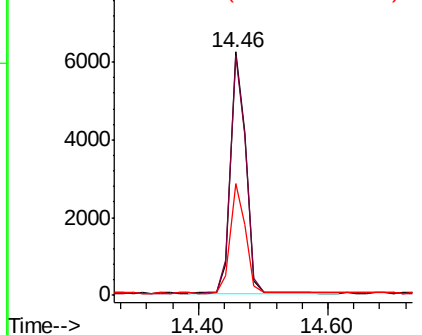
Tot Ion:	164	Resp:	9981
Ion Ratio	Lower	Upper	
164	100		
162	98.3	77.8	116.6
160	46.1	37.1	55.7

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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: 0.519 ng

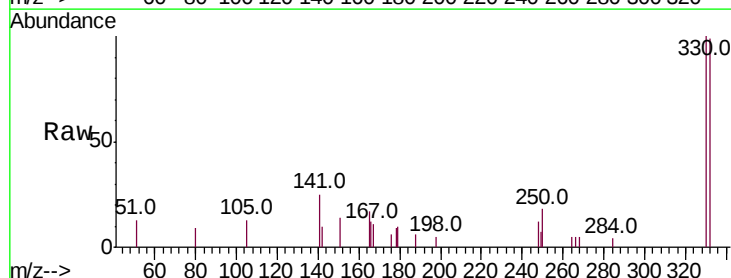
RT: 15.94 min Scan# 1024

Delta R.T. -0.00 min

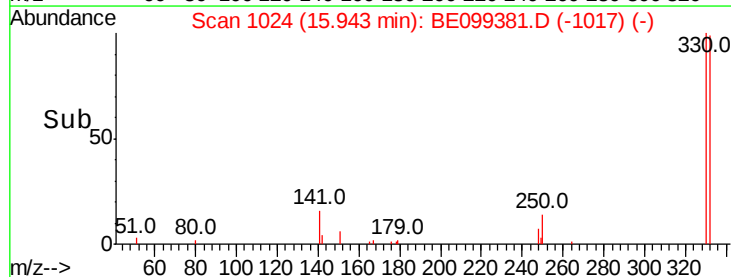
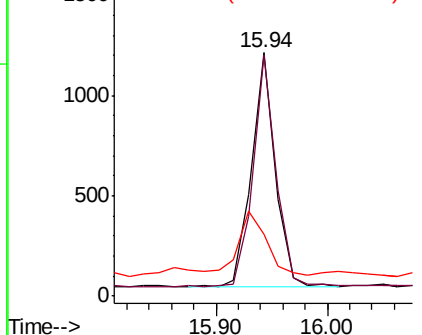
Lab File: BE099381.D

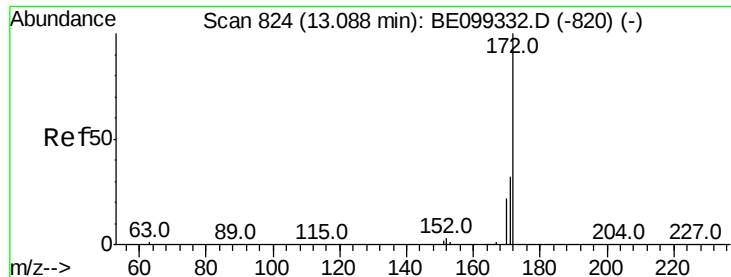
Acq: 26 Apr 2019 16:53

Tgt Ion:	330	Resp:	1721
Ion Ratio	Lower	Upper	
330	100		
332	95.9	82.5	123.7
141	32.1	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





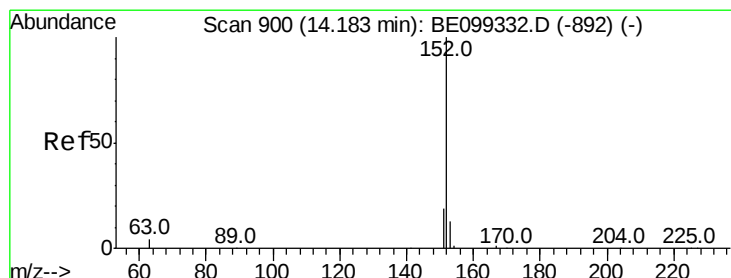
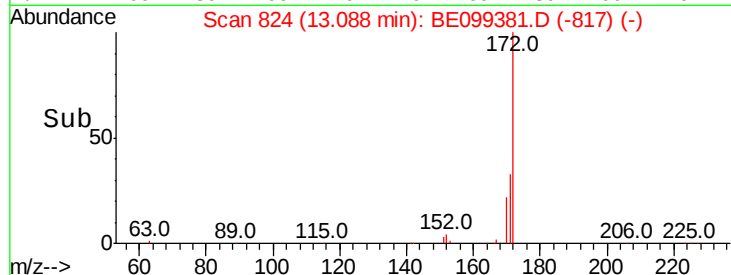
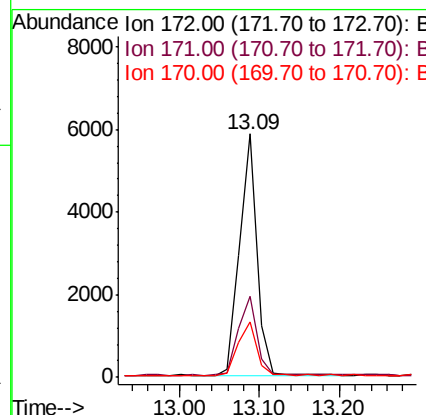
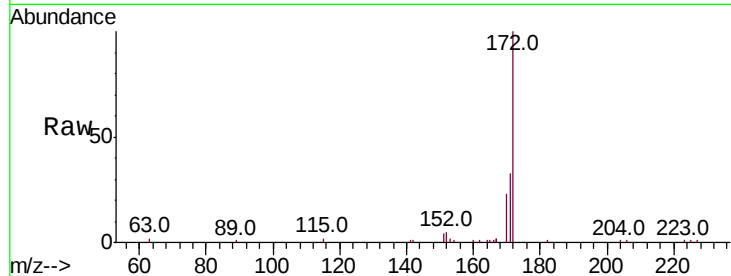
#15
 2-Fluorobiphenyl
 Concen: 0.226 ng
 RT: 13.09 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: BE099381.D
 Acq: 26 Apr 2019 16:53

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW026-042319

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.5	26.2	39.2
170	22.9	18.1	27.1

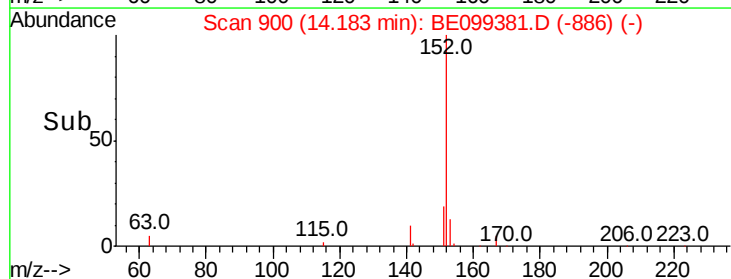
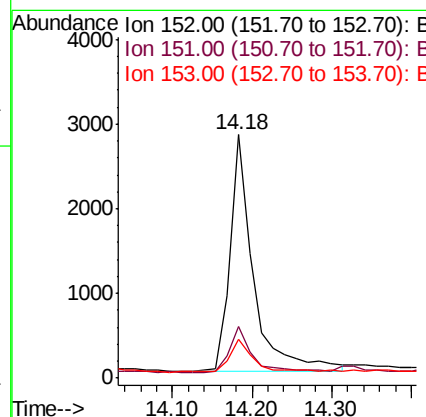
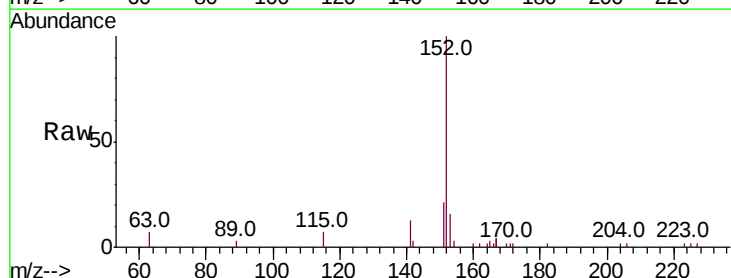
Manual Integrations
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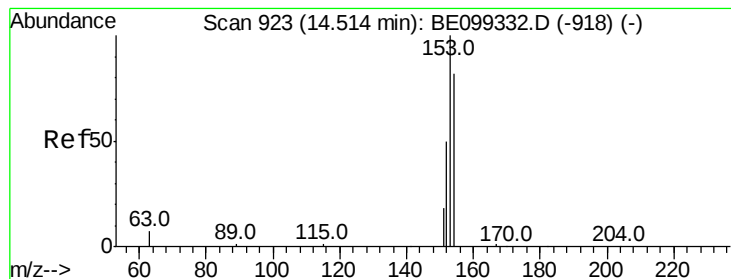
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#16
 Acenaphthylene
 Concen: 0.126 ng
 RT: 14.18 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: BE099381.D
 Acq: 26 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.5	23.3
153	14.2	10.2	15.4





#17

Acenaphthene

Concen: 0.064 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.01 min

Lab File: BE099381.D

Acq: 26 Apr 2019 16:53

Instrument :

BNA_E

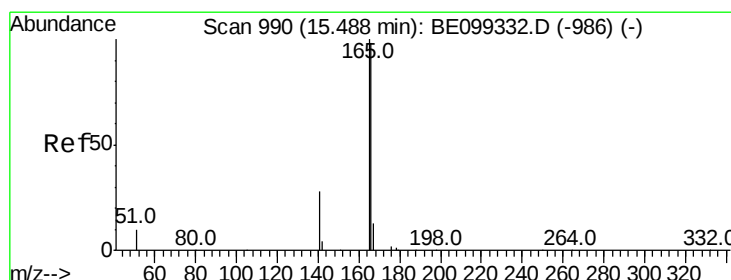
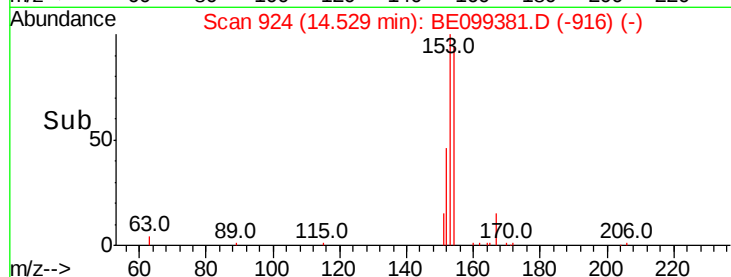
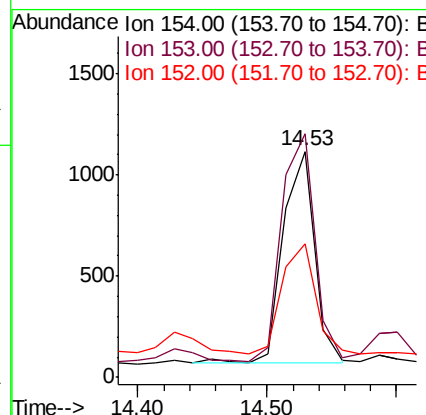
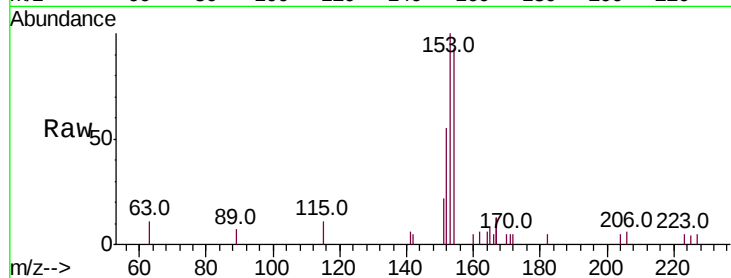
ClientSampleId :

PST-023-SW026-042319

Tot Ion:	154	Resp:	1768
Ion	Ratio	Lower	Upper
154	100		
153	114.0	94.7	142.1
152	56.4	46.4	69.6

Manual Integrations
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#18

Fluorene

Concen: 0.089 ng

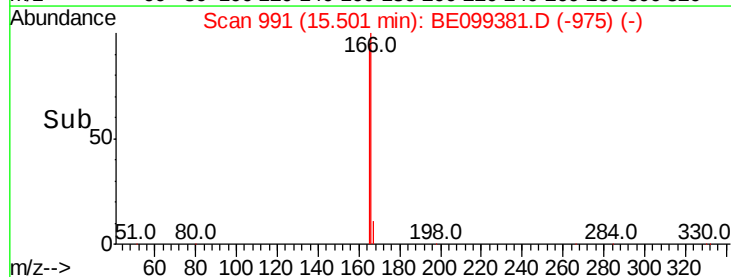
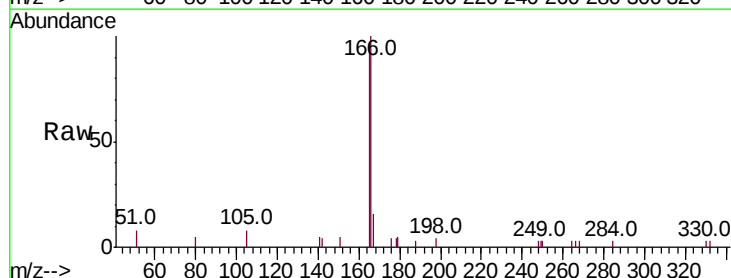
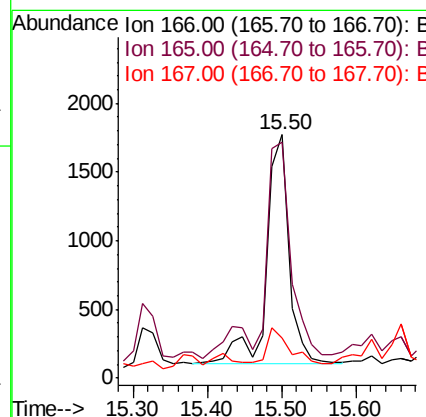
RT: 15.50 min Scan# 991

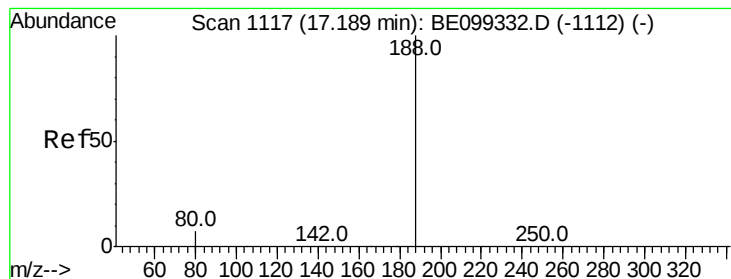
Delta R.T. 0.01 min

Lab File: BE099381.D

Acq: 26 Apr 2019 16:53

Tgt Ion:	166	Resp:	3570
Ion	Ratio	Lower	Upper
166	100		
165	91.6	79.7	119.5
167	16.3	11.0	16.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE099381.D

Acq: 26 Apr 2019 16:53

Instrument :

BNA_E

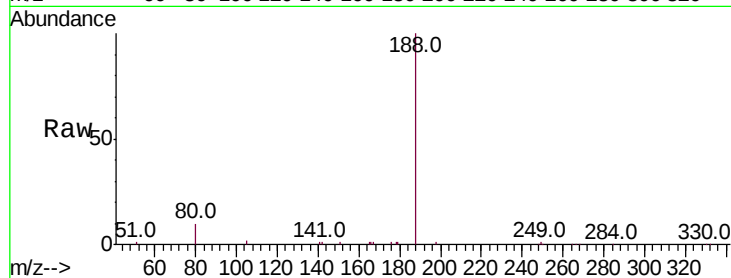
ClientSampleId :

PST-023-SW026-042319

Tot Ion:	188	Resp:	28187
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.7	6.2	9.4#

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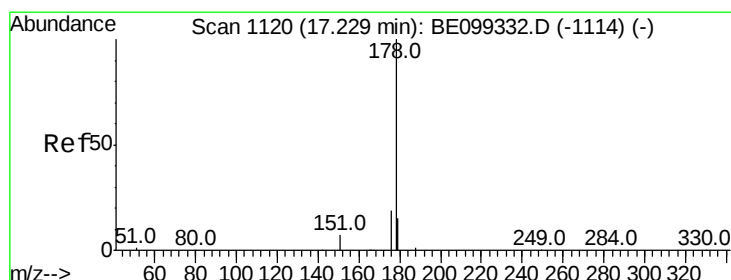
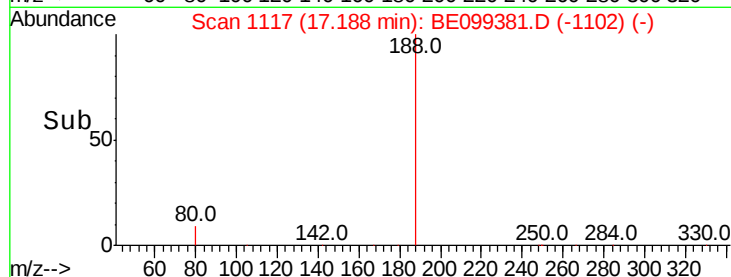
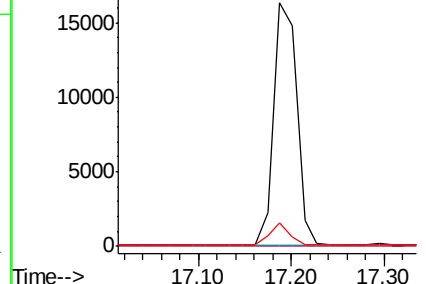
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#23

Phenanthrene

Concen: 1.298 ng

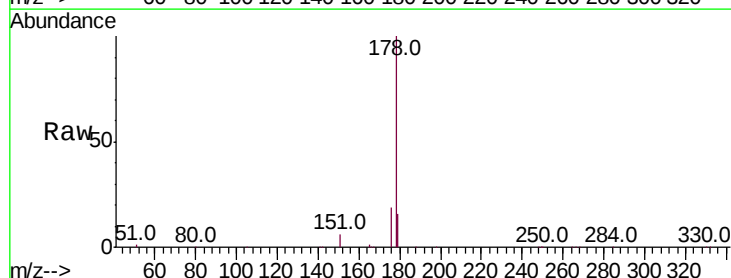
RT: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE099381.D

Acq: 26 Apr 2019 16:53

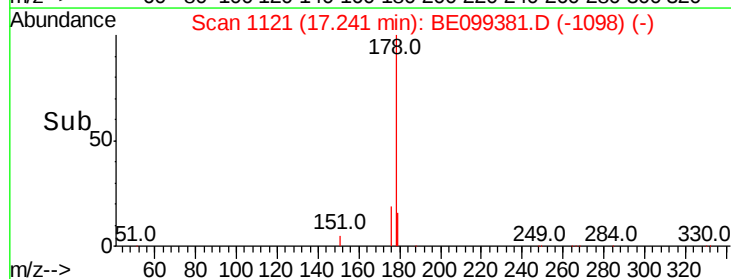
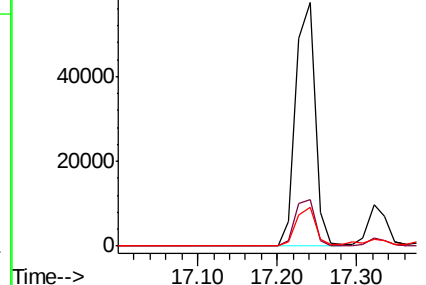
Tgt Ion:	178	Resp:	96894
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.3	22.9
179	15.6	12.4	18.6

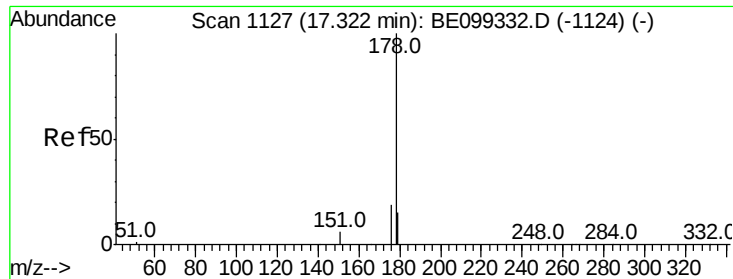


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.237 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099381.D

Acq: 26 Apr 2019 16:53

Instrument :

BNA_E

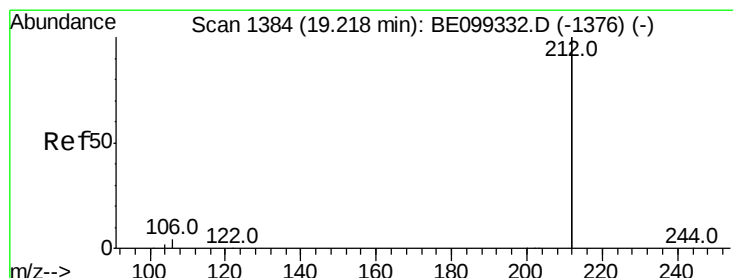
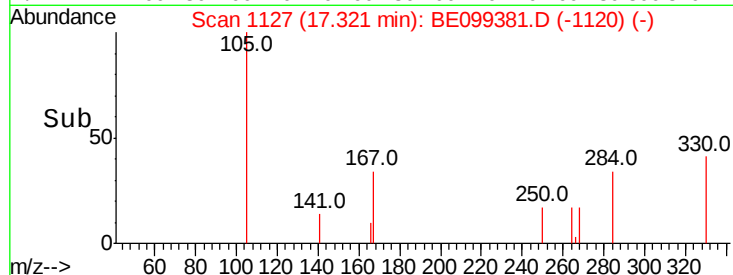
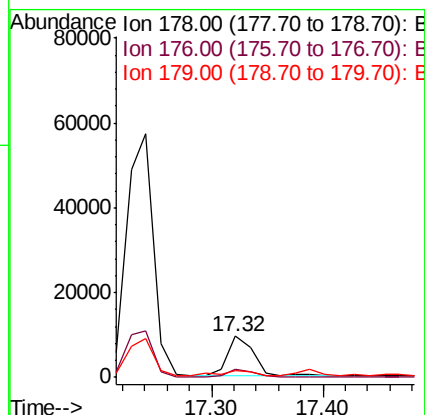
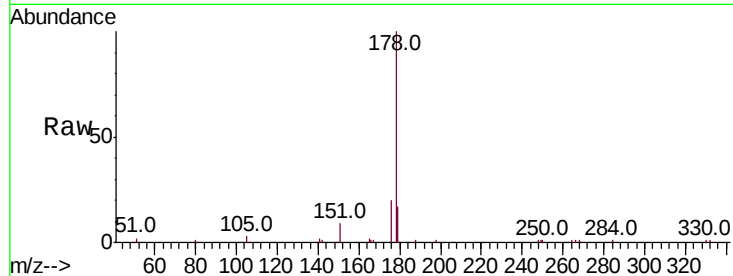
ClientSampleId :

PST-023-SW026-042319

Tot Ion:178	Resp:	15737
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.1 22.7
179	16.2	11.9 17.9

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#25

Fluoranthene-d10

Concen: 0.210 ng

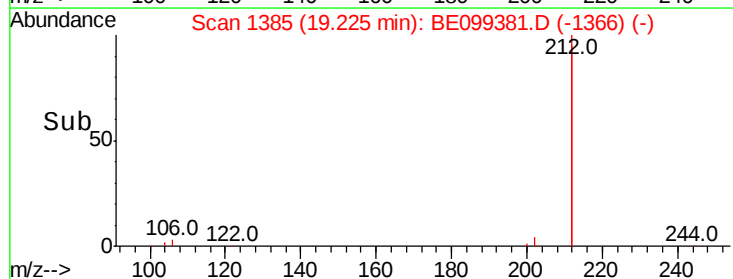
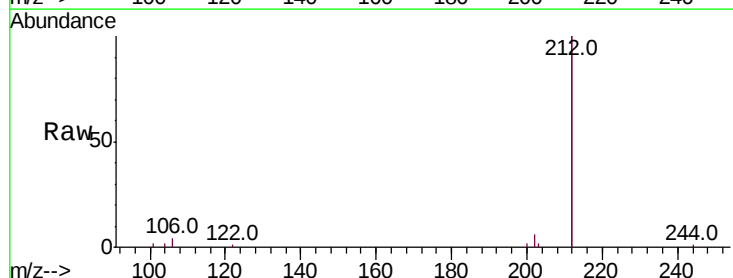
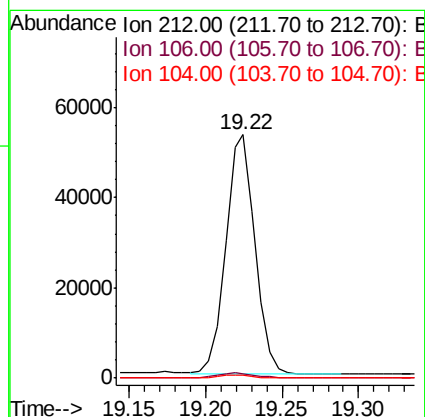
RT: 19.22 min Scan# 1385

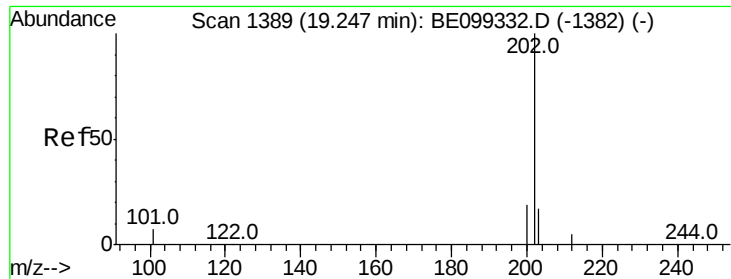
Delta R.T. 0.01 min

Lab File: BE099381.D

Acq: 26 Apr 2019 16:53

Tgt Ion:212	Resp:	70964
Ion Ratio	Lower	Upper
212	100	
106	2.0	1.8 2.6
104	1.1	1.0 1.4





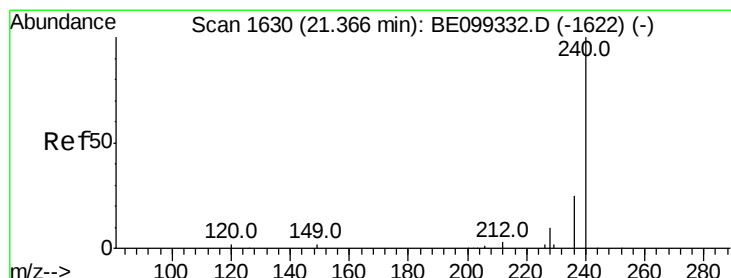
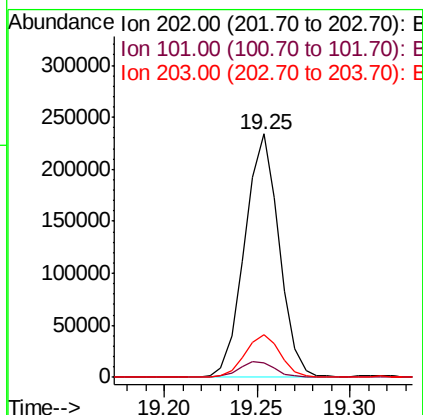
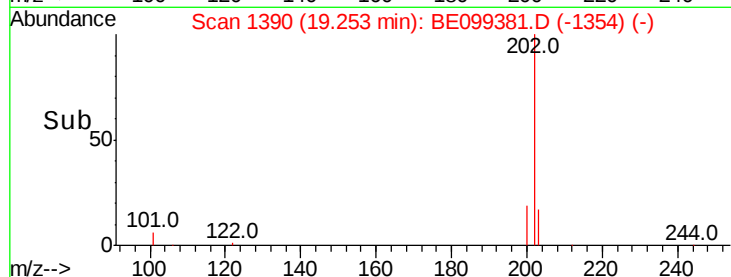
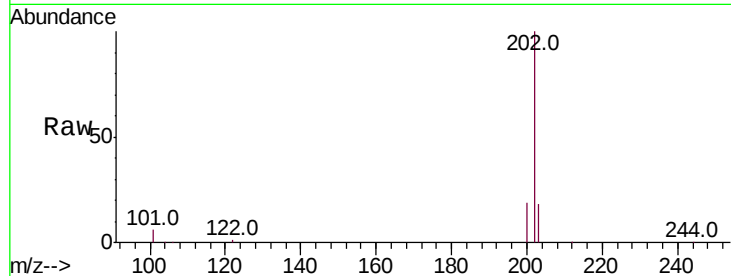
#26
 Fluoranthene
 Concen: 3.031 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: BE099381.D
 Acq: 26 Apr 2019 16:53

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW026-042319

Tot Ion	Ratio	Resp	Lower	Upper
202	100	302856		
101	6.7		6.4	9.6
203	17.5		13.5	20.3

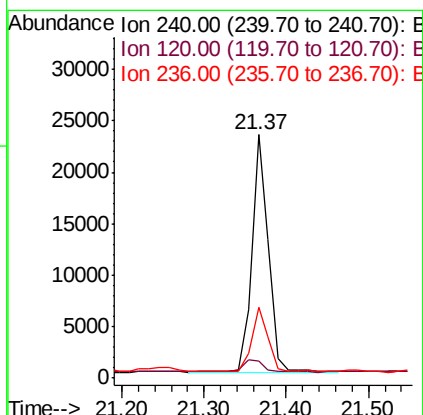
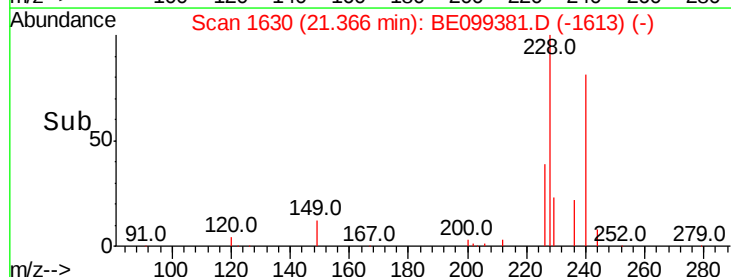
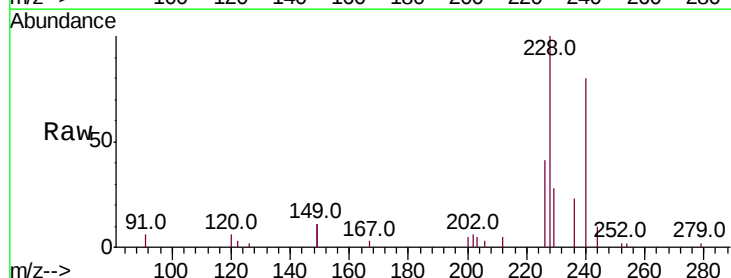
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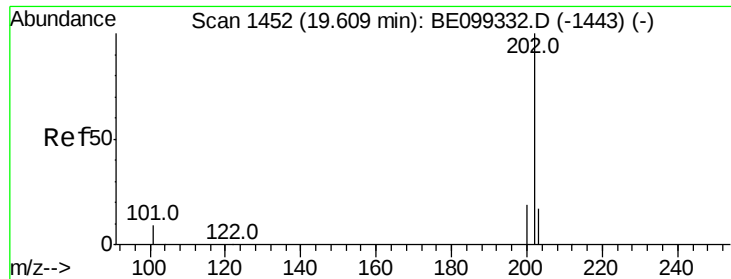
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099381.D
 Acq: 26 Apr 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	32553		
120	7.2		2.2	3.2#
236	29.2		20.2	30.4





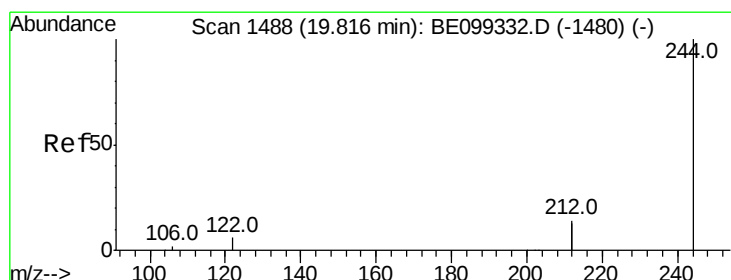
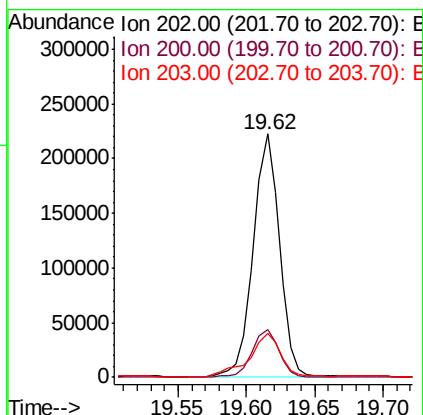
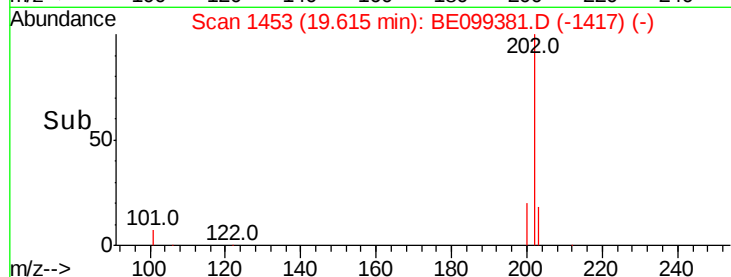
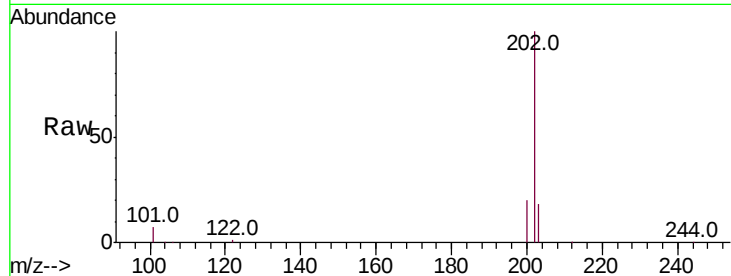
#28
Pvrene
Concen: 3.058 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE099381.D
Acq: 26 Apr 2019 16:53

Instrument :
BNA_E
ClientSampleId :
PST-023-SW026-042319

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.0	15.7	23.5
203	21.4	13.7	20.5

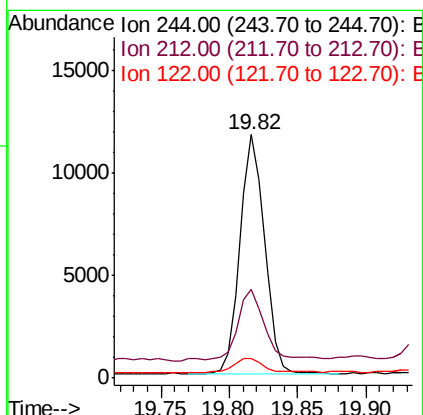
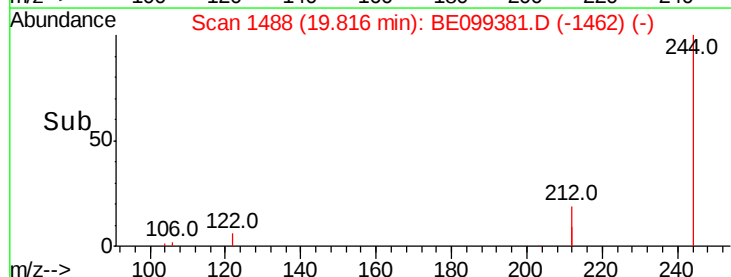
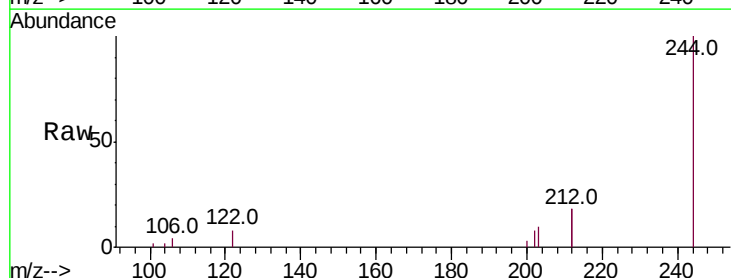
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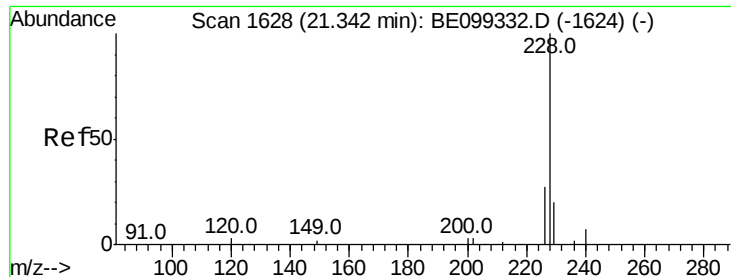
Sohil
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#29
Terphenyl-d14
Concen: 0.227 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099381.D
Acq: 26 Apr 2019 16:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	36.6	22.6	33.8
122	8.1	4.6	7.0





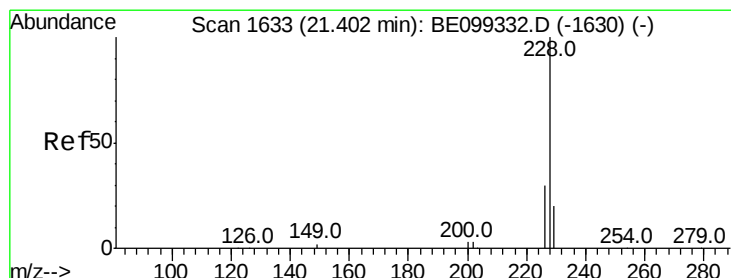
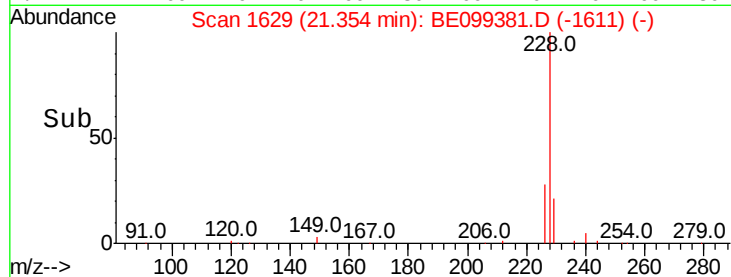
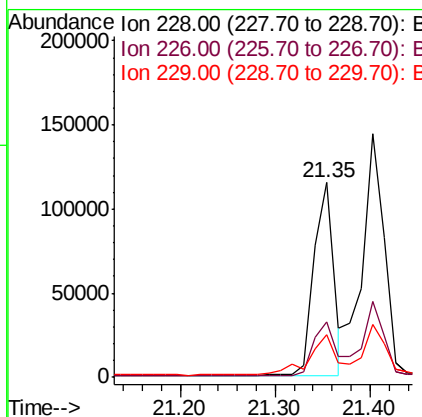
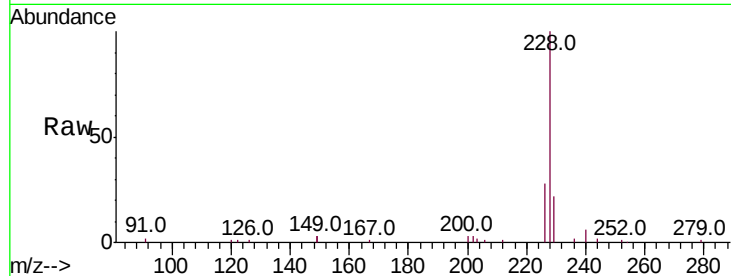
#30
Benzo(a)anthracene
Concen: 1.760 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE099381.D
Acq: 26 Apr 2019 16:53

Instrument :
BNA_E
ClientSampleId :
PST-023-SW026-042319

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.0	33.0
229	21.9	15.8	23.8

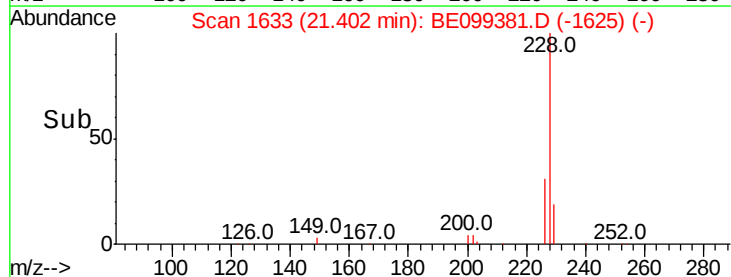
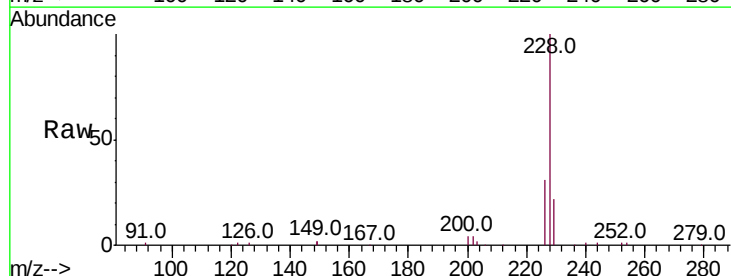
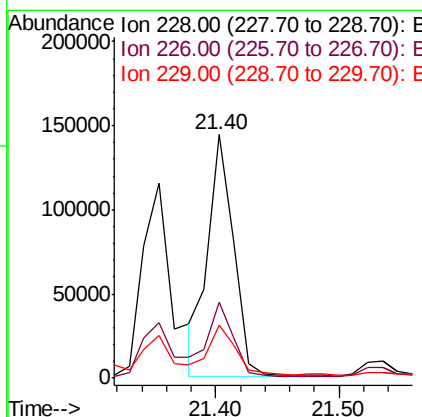
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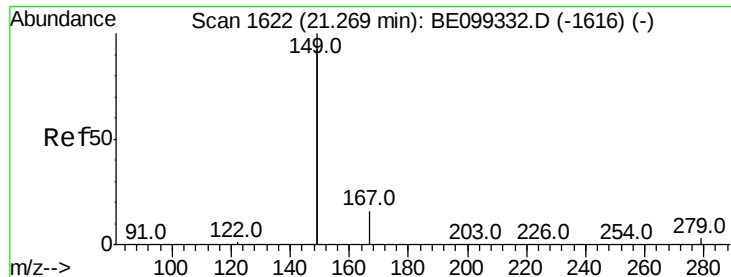
Sohil
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#31
Chrysene
Concen: 2.047 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099381.D
Acq: 26 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.4	35.2
229	21.9	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.598 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099381.D

Acq: 26 Apr 2019 16:53

Instrument :

BNA_E

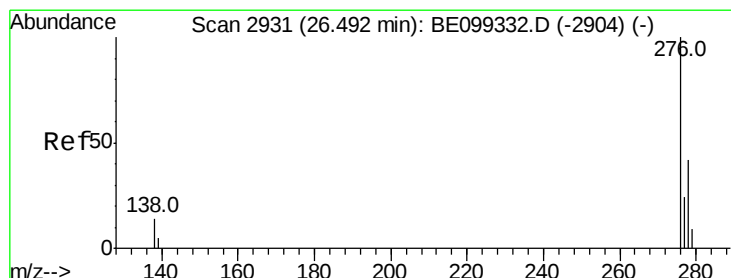
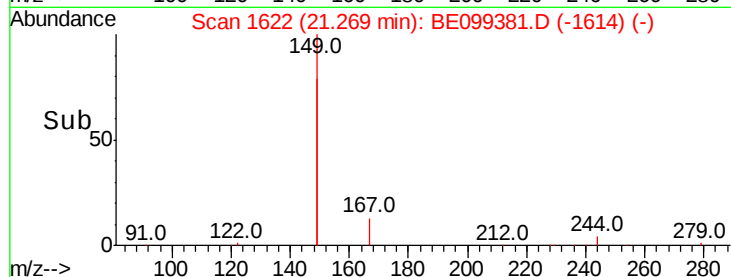
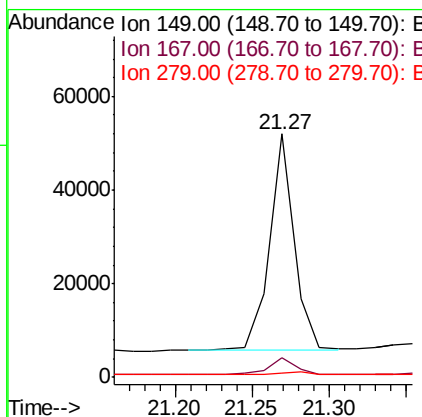
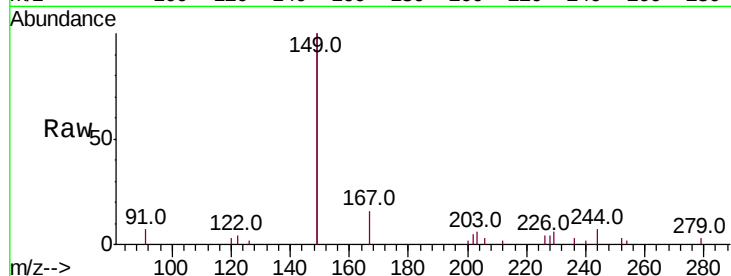
ClientSampleId :

PST-023-SW026-042319

Tot Ion:	149	Resp:	52064
Ion Ratio	Lower	Upper	
149	100		
167	8.0	6.0	9.0
279	1.9	1.1	1.7#

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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.273 ng

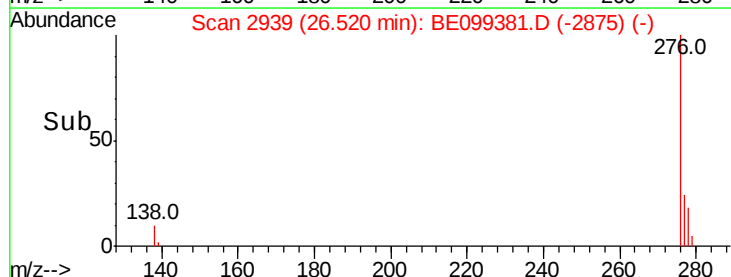
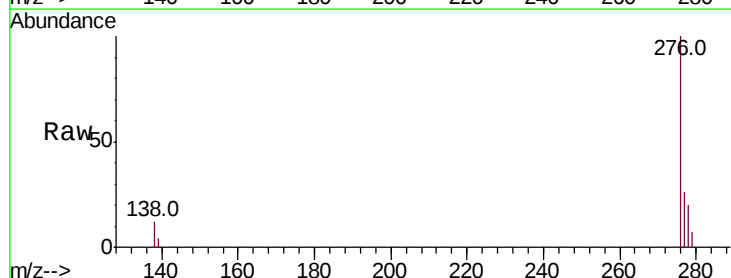
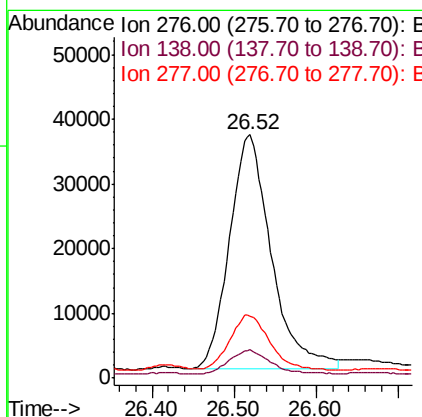
RT: 26.52 min Scan# 2939

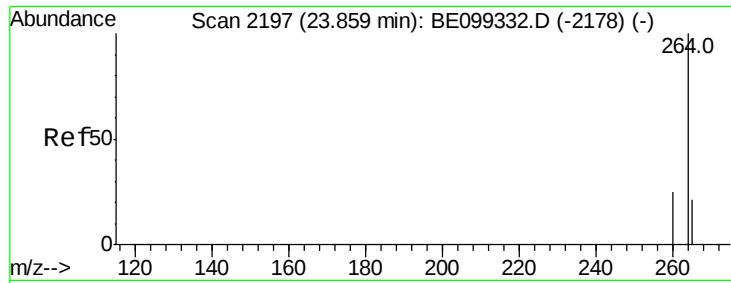
Delta R.T. 0.03 min

Lab File: BE099381.D

Acq: 26 Apr 2019 16:53

Tgt Ion:	276	Resp:	128072
Ion Ratio	Lower	Upper	
276	100		
138	10.1	12.7	19.1#
277	22.6	19.6	29.4





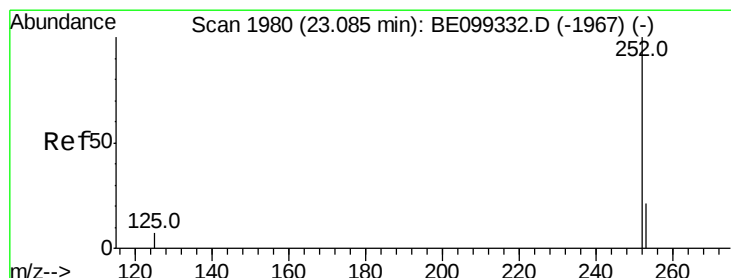
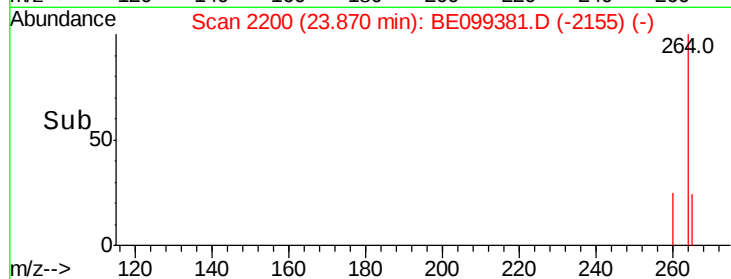
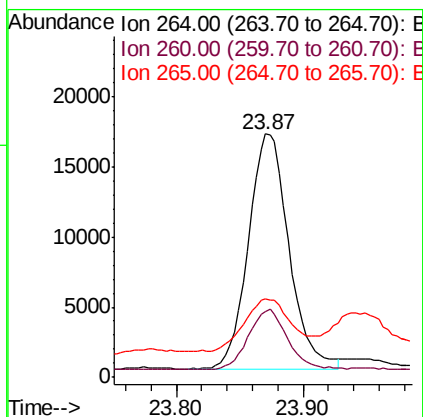
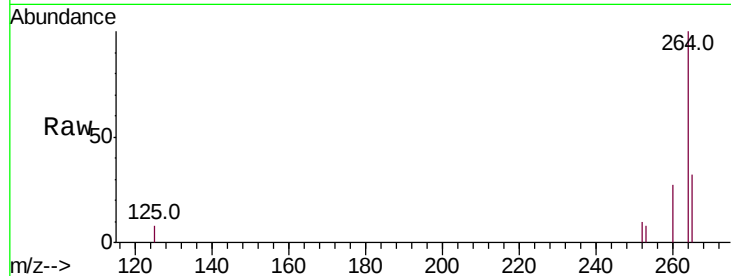
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BE099381.D
Acq: 26 Apr 2019 16:53

Instrument :
BNA_E
ClientSampleId :
PST-023-SW026-042319

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.0	20.1	30.1
265	32.1	19.9	29.9

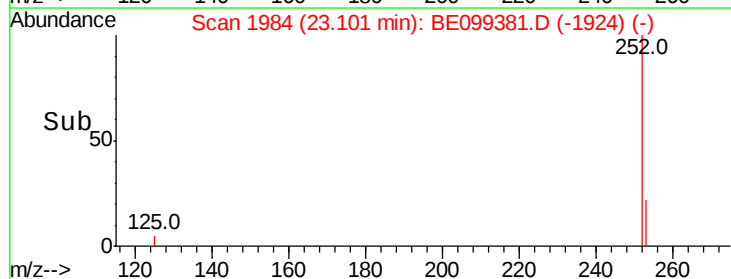
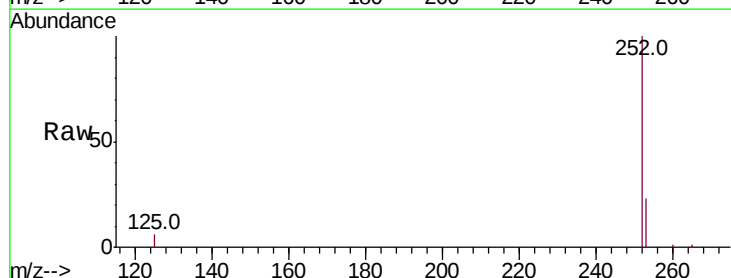
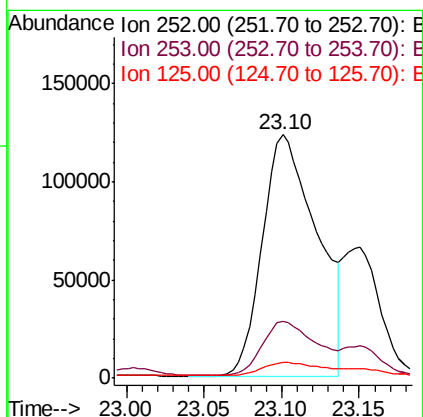
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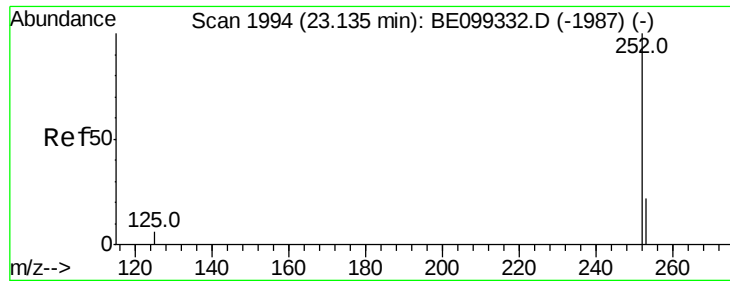
Sohil
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#35
Benzo(b)fluoranthene
Concen: 2.632 ng
RT: 23.10 min Scan# 1984
Delta R.T. 0.02 min
Lab File: BE099381.D
Acq: 26 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	6.4	5.8	8.6





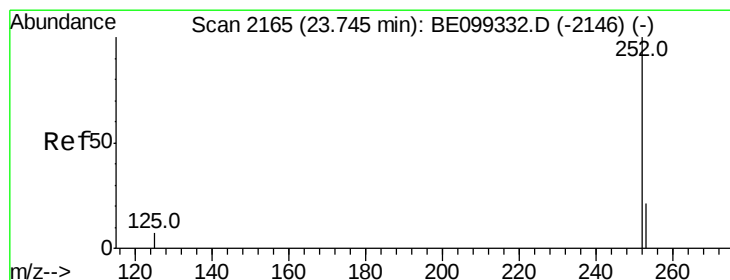
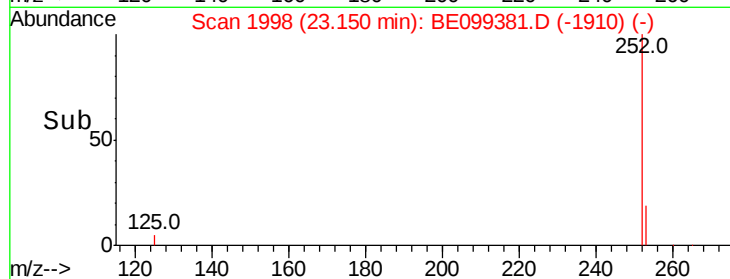
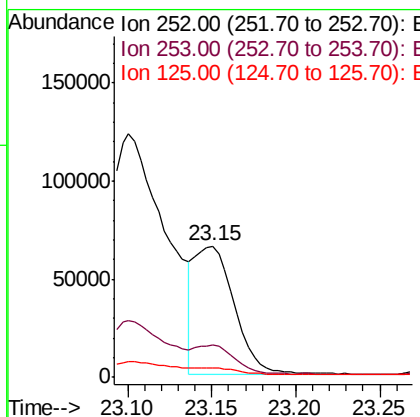
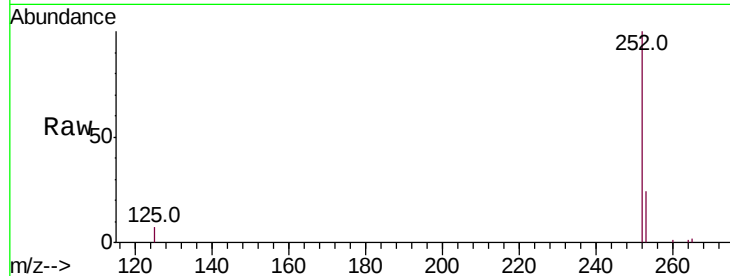
#36
Benzo(k)fluoranthene
Concen: 0.949 ng m
RT: 23.15 min Scan# 1998
Delta R.T. 0.02 min
Lab File: BE099381.D
Acq: 26 Apr 2019 16:53

Instrument :
BNA_E
ClientSampleId :
PST-023-SW026-042319

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.4	27.6
125	7.3	5.4	8.0

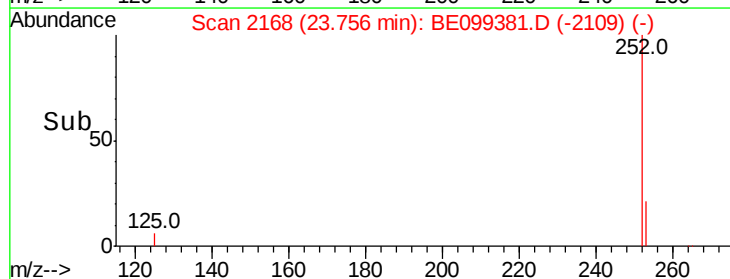
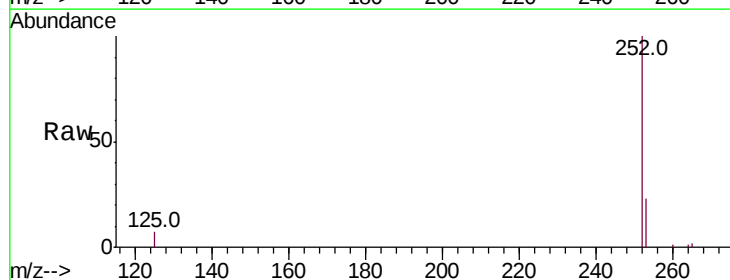
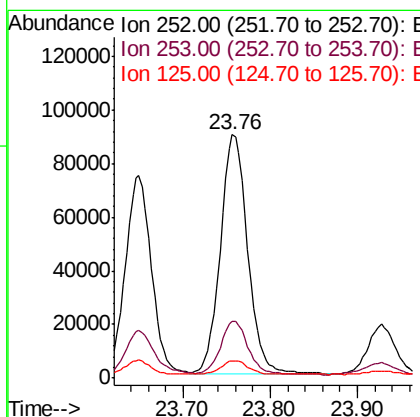
Manual Integrations
APPROVED

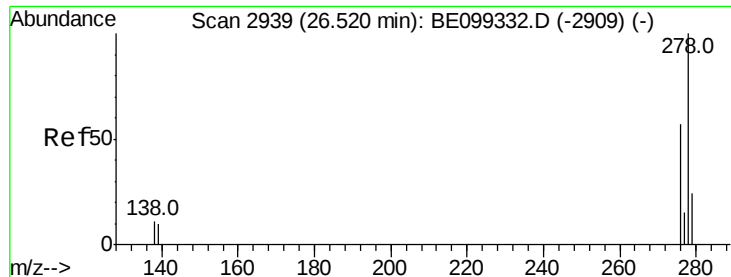
Sohil
4/29/2019 1:28:42 PM



#37
Benzo(a)pyrene
Concen: 1.886 ng
RT: 23.76 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BE099381.D
Acq: 26 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	7.2	6.5	9.7





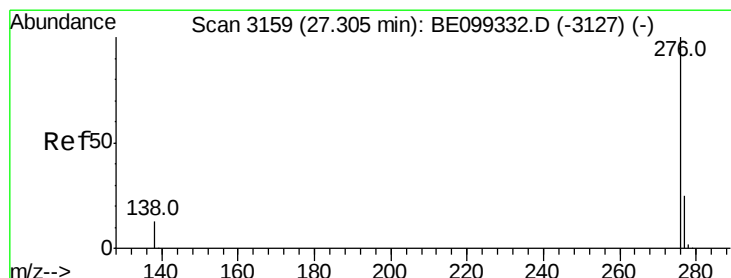
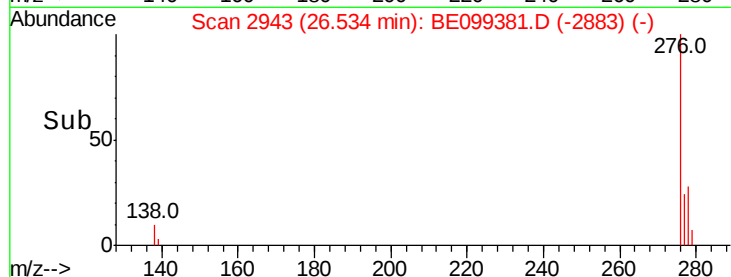
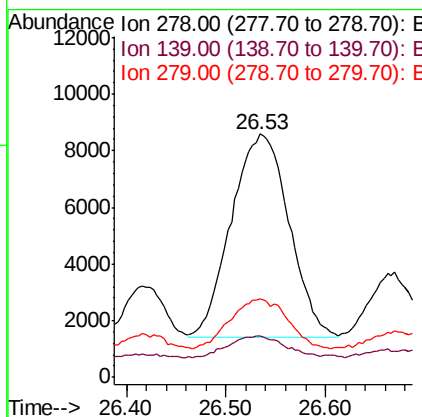
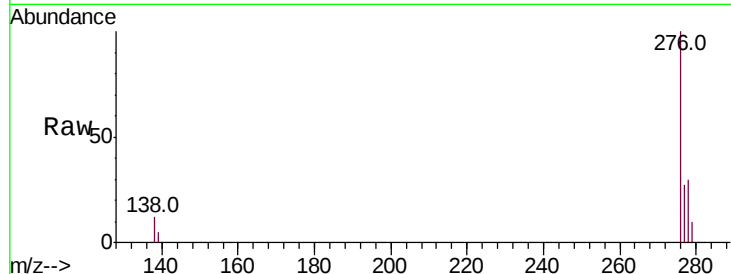
#38
 Dibenzo(a,h)anthracene
 Concen: 0.275 ng
 RT: 26.53 min Scan# 2943
 Delta R.T. 0.01 min
 Lab File: BE099381.D
 Acq: 26 Apr 2019 16:53

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW026-042319

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.8	8.5	12.7#
279	32.2	19.8	29.8#

Manual Integrations
 APPROVED

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 4/29/2019 1:28:42 PM



#39
 Benzo(g,h,i)perylene
 Concen: 1.181 ng
 RT: 27.34 min Scan# 3168
 Delta R.T. 0.03 min
 Lab File: BE099381.D
 Acq: 26 Apr 2019 16:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	20.0	30.0
138	11.6	11.1	16.7

