

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099112.D
 Acq On : 23 Mar 2019 15:09
 Operator : JU/SJ
 Sample : K2014-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW040-031919

Manual Integrations
 APPROVED

Sohil
 3/25/2019 12:36:59 PM

Quant Time: Mar 24 03:18:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 04:40:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3226	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	12457	0.40	ng	-0.01
13) Acenaphthene-d10	14.48	164	8009	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	22985	0.40	ng	0.00
27) Chrysene-d12	21.39	240	34068	0.40	ng	0.00
34) Perylene-d12	23.90	264	36246	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	4013	0.42	ng	0.00
5) Phenol-d6	6.99	99	5637	0.41	ng	0.00
8) Nitrobenzene-d5	8.99	82	3496	0.64	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	8242	0.37	ng	-0.02
14) 2,4,6-Tribromophenol	15.96	330	1257	0.53	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	12900	0.40	ng	-0.02
25) Fluoranthene-d10	19.24	212	119489	0.39	ng	0.00
29) Terphenyl-d14	19.83	244	22890	0.32	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.68	128	3526	0.024	ng	# 96
16) Acenaphthylene	14.20	152	1785	0.042	ng	97
18) Fluorene	15.51	166	933	0.025	ng	# 89
23) Phenanthrene	17.25	178	23249	0.341	ng	99
24) Anthracene	17.35	178	1998	0.031	ng	# 89
26) Fluoranthene	19.27	202	38865	0.405	ng	99
28) Pyrene	19.63	202	41414	0.358	ng	96
30) Benzo(a)anthracene	21.37	228	20441	0.170	ng	99
31) Chrysene	21.43	228	23016	0.192	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	18779	0.121	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	11187	0.087	ng	97
35) Benzo(b)fluoranthene	23.12	252	23908	0.191	ng	94
36) Benzo(k)fluoranthene	23.17	252	10109m	0.082	ng	
37) Benzo(a)pyrene	23.78	252	17713	0.153	ng	99
38) Dibenzo(a,h)anthracene	26.57	278	2891	0.026	ng	# 77
39) Benzo(g,h,i)perylene	27.37	276	12207	0.105	ng	99

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

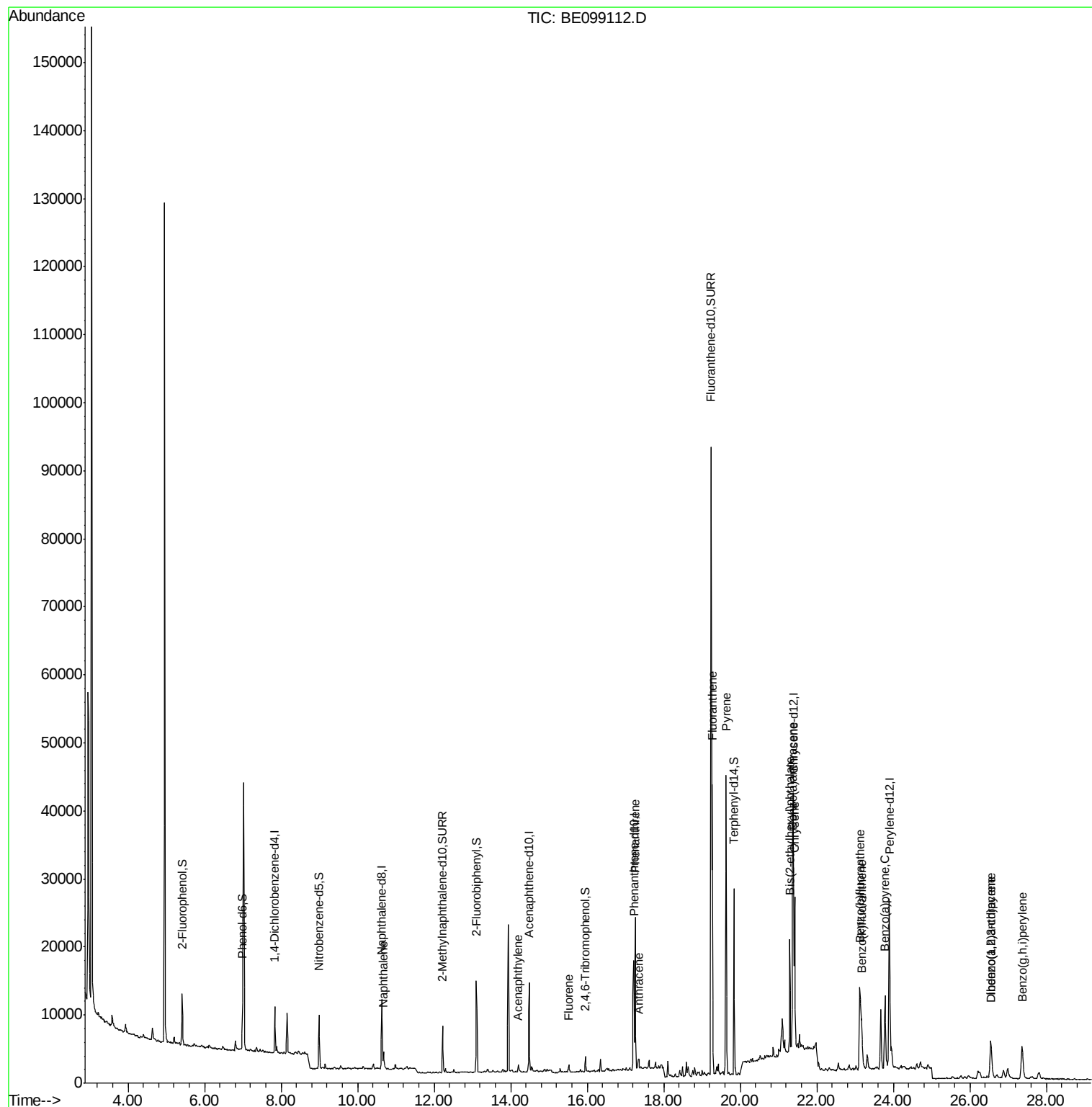
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
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ALS Vial : 11 Sample Multiplier: 1

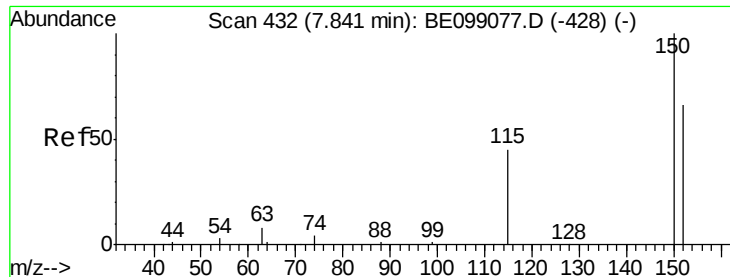
Instrument :
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ClientSampleId :
PST-026-SW040-031919

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032219.M
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#1

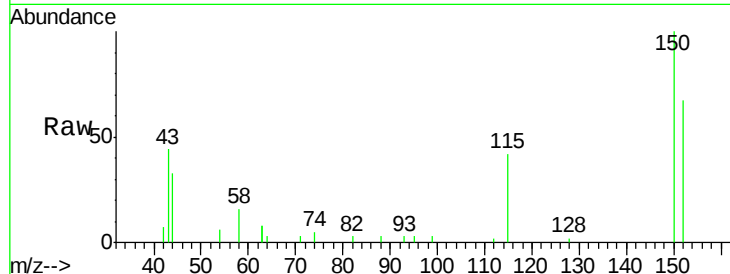
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Instrument :
BNA_E
ClientSampleId :
PST-026-SW040-031919

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.6	122.5	183.7
115	63.1	57.4	86.2

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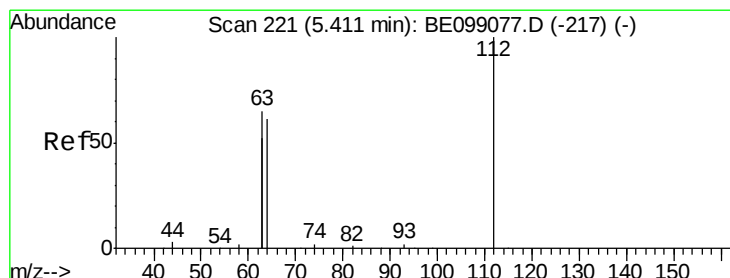
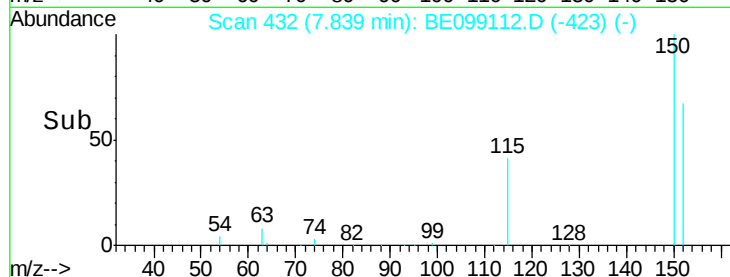
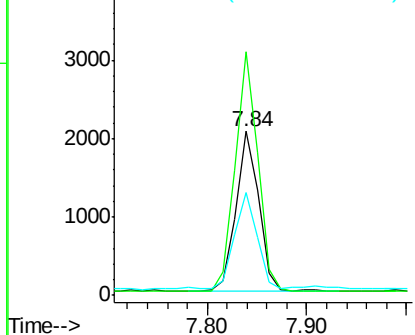


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

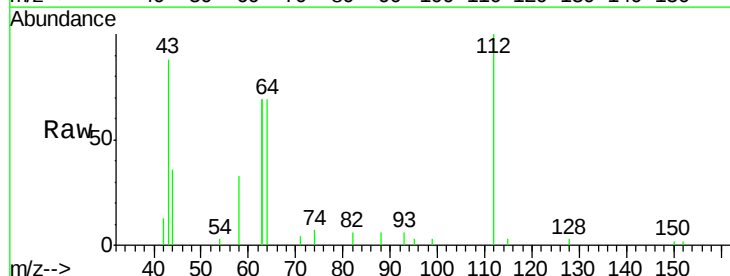
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.418 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	57.9	86.9
63	117.3	158.3	237.5

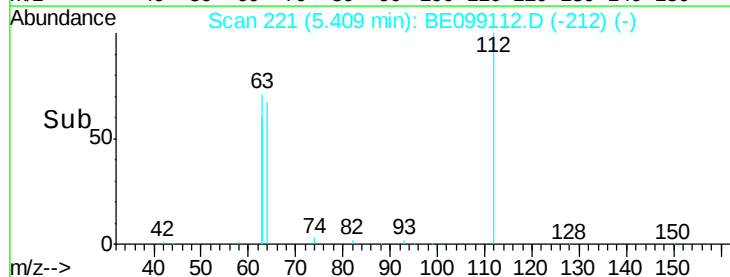
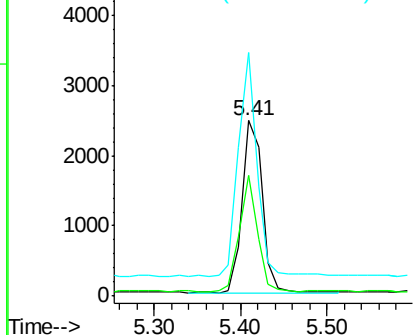


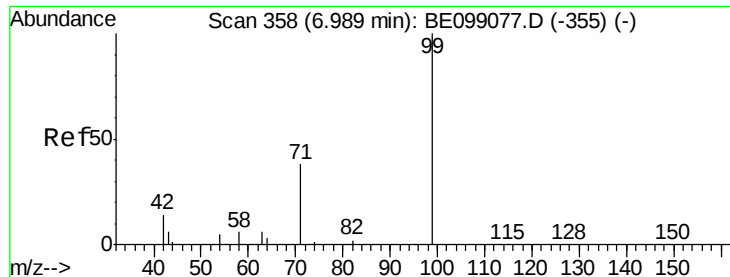
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.408 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099112.D

Acq: 23 Mar 2019 15:09

Instrument :

BNA_E

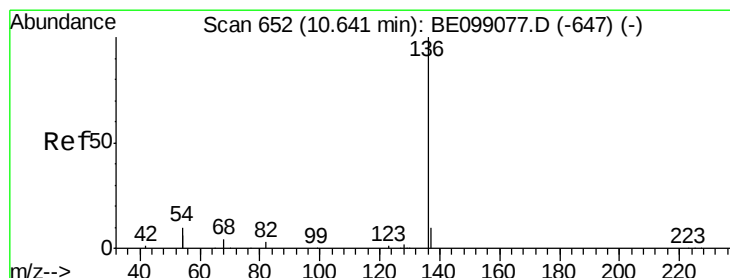
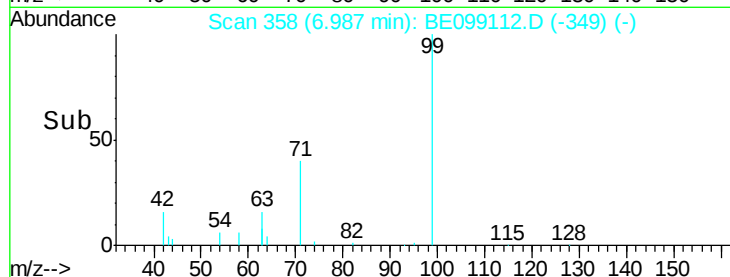
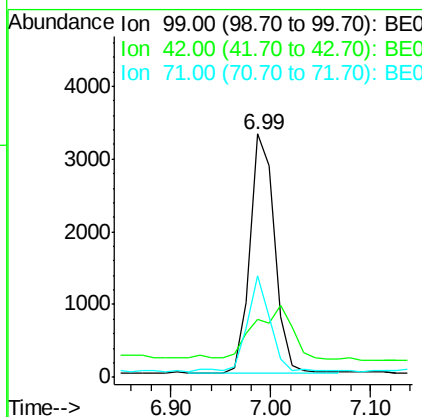
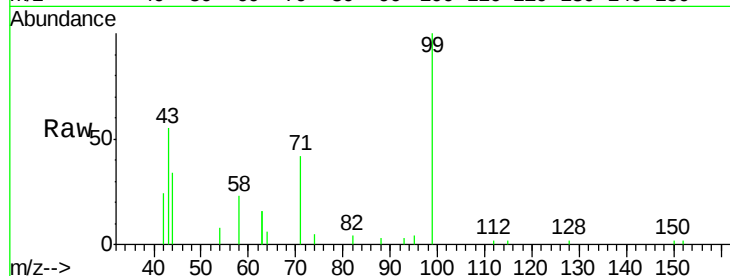
ClientSampleId :

PST-026-SW040-031919

Tot Ion:	99	Resp:	5637
Ion Ratio	Lower	Upper	
99	100		
42	0.0	24.2	36.2#
71	37.7	35.7	53.5

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#7

Naphthalene-d8

Concen: 0.400 ng

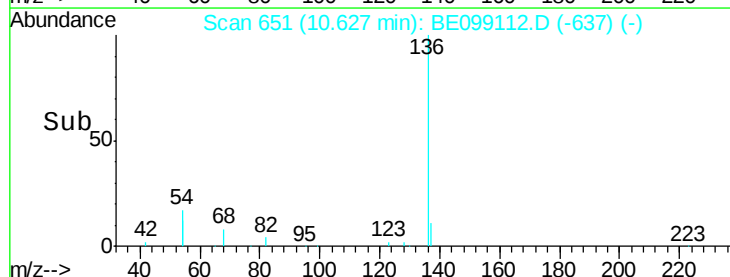
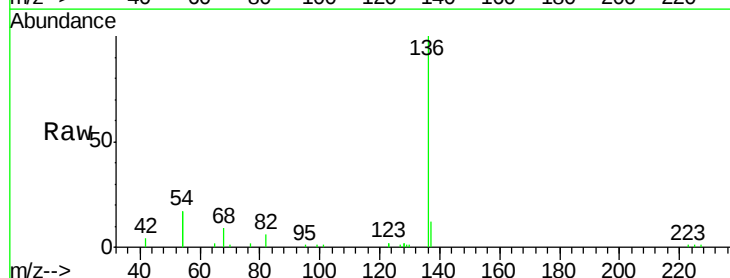
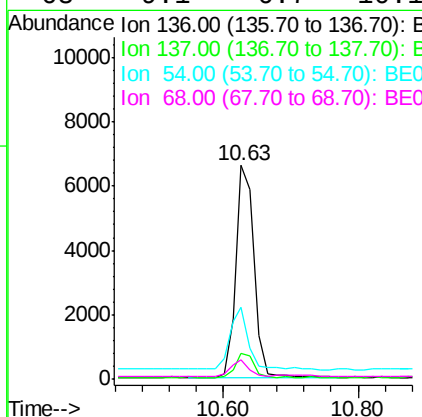
RT: 10.63 min Scan# 651

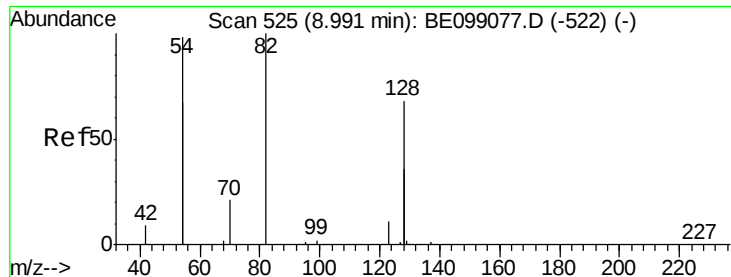
Delta R.T. -0.01 min

Lab File: BE099112.D

Acq: 23 Mar 2019 15:09

Tgt Ion:	136	Resp:	12457
Ion Ratio	Lower	Upper	
136	100		
137	11.7	11.4	17.0
54	33.3	39.3	58.9#
68	9.1	6.7	10.1





#8

Nitrobenzene-d5

Concen: 0.642 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099112.D

Acq: 23 Mar 2019 15:09

Instrument :

BNA_E

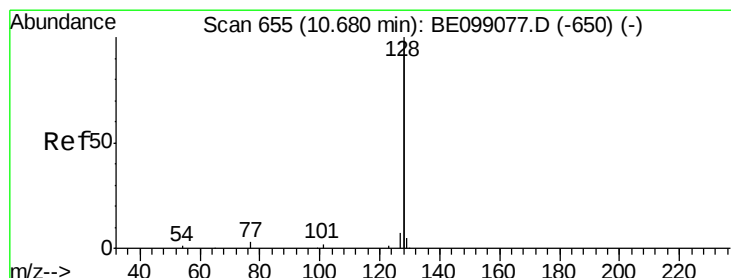
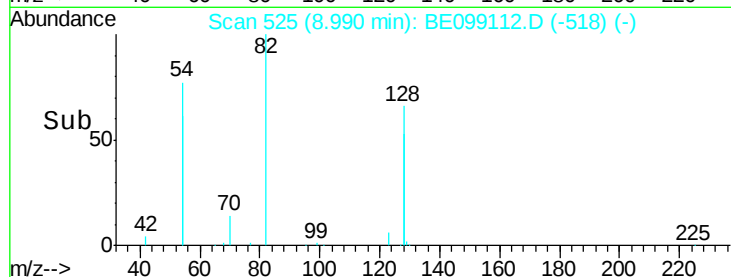
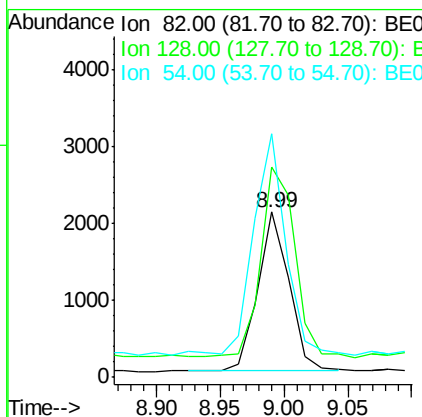
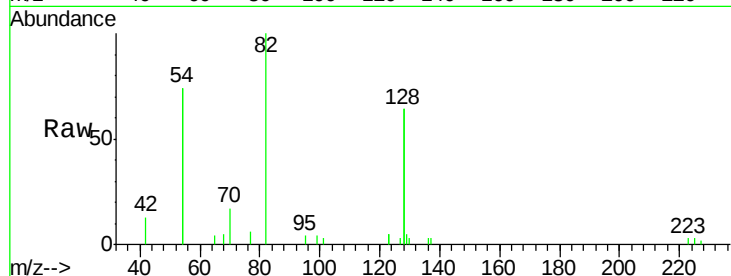
ClientSampleId :

PST-026-SW040-031919

Tot Ion	Ratio	Lower	Upper
82	100		
128	127.6	123.8	185.8
54	147.6	203.4	305.2#

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#9

Naphthalene

Concen: 0.024 ng

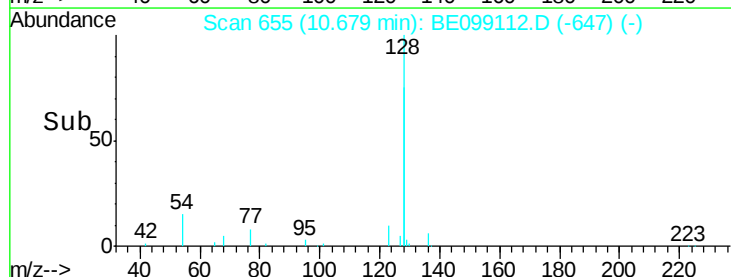
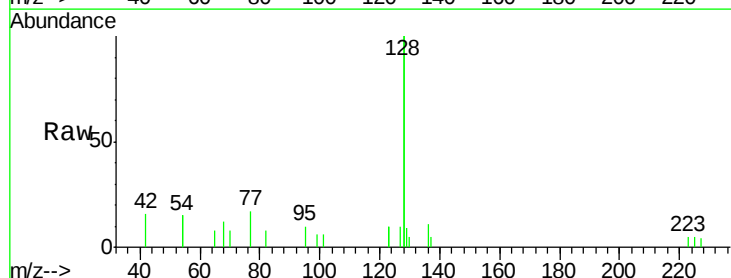
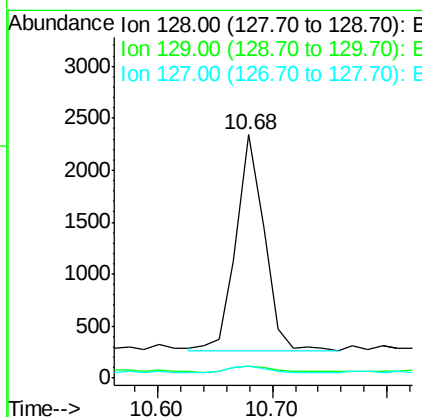
RT: 10.68 min Scan# 655

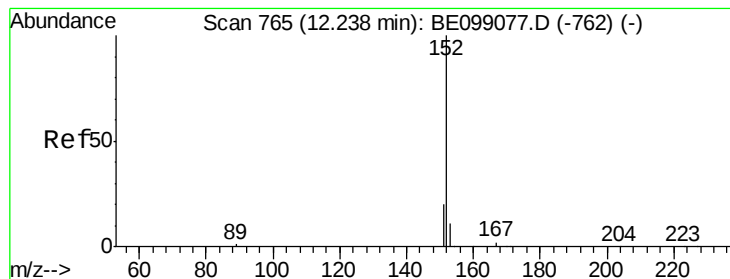
Delta R.T. -0.00 min

Lab File: BE099112.D

Acq: 23 Mar 2019 15:09

Tgt Ion	Ratio	Lower	Upper
128	100		
129	4.7	2.6	4.0#
127	5.2	3.1	4.7#





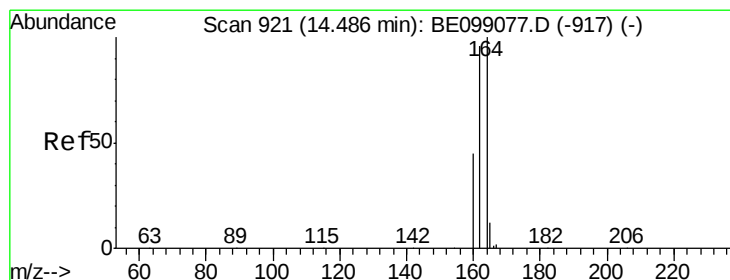
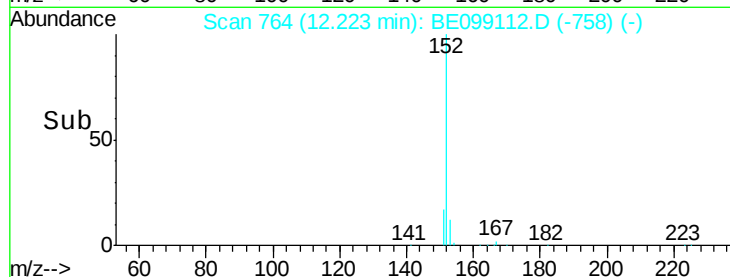
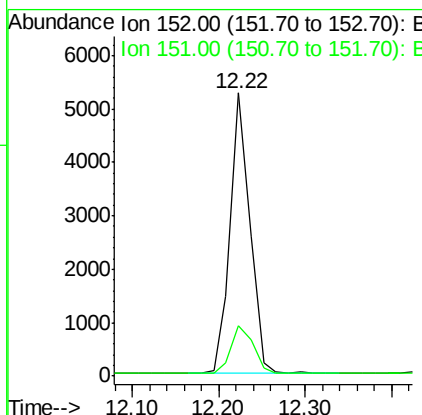
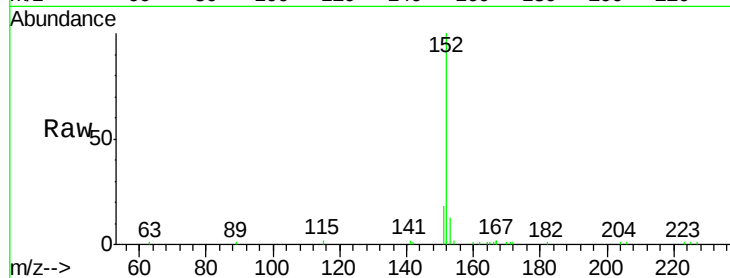
#11
 2-Methylnaphthalene-d10
 Concen: 0.367 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.02 min
 Lab File: BE099112.D
 Acq: 23 Mar 2019 15:09

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW040-031919

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.5	24.7

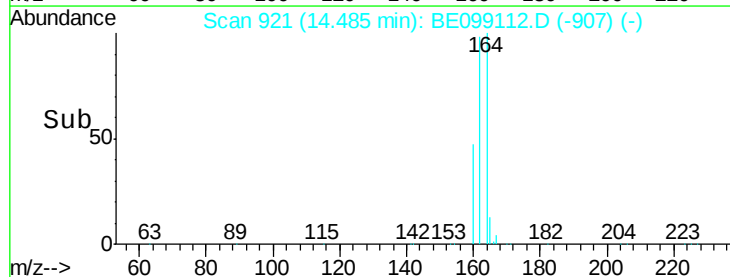
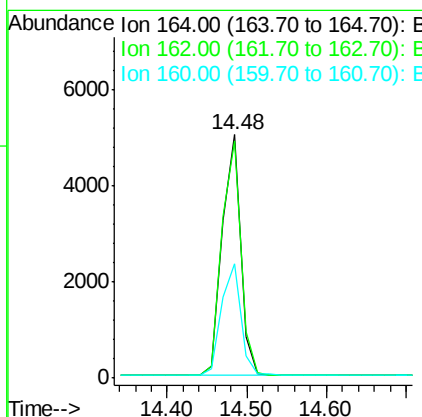
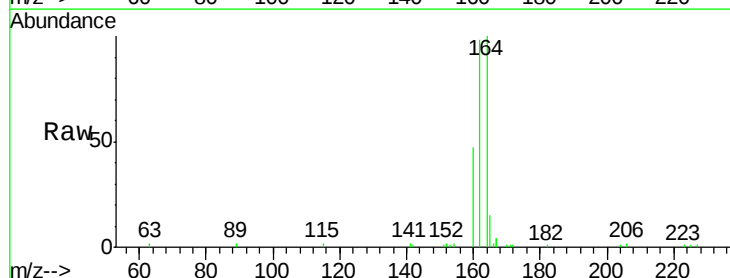
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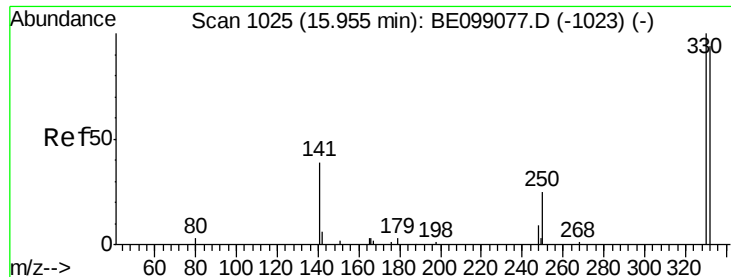
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.48 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BE099112.D
 Acq: 23 Mar 2019 15:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.5	80.2	120.2
160	47.2	37.8	56.8





#14

2,4,6-Tribromophenol

Concen: 0.534 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE099112.D

Acq: 23 Mar 2019 15:09

Instrument :

BNA_E

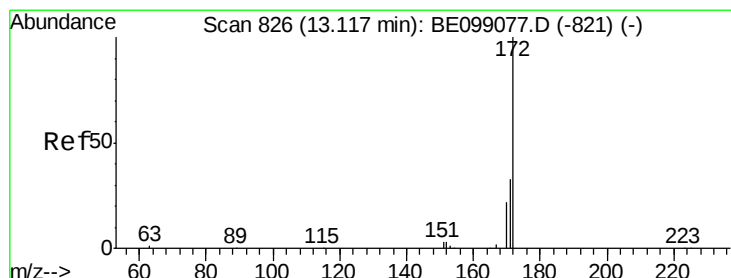
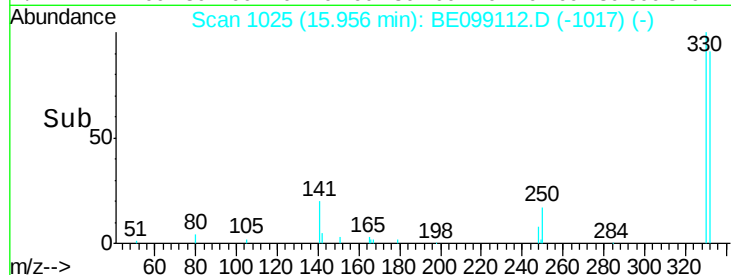
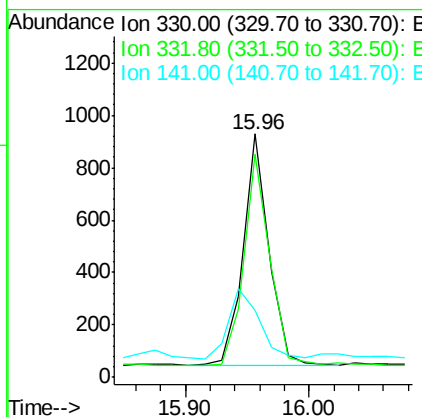
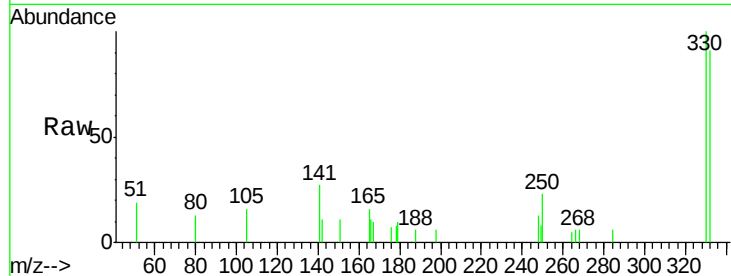
ClientSampleId :

PST-026-SW040-031919

Tot Ion:	330	Resp:	1257
Ion Ratio	Lower	Upper	
330	100		
332	92.0	77.6	116.4
141	35.7	31.0	46.4

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#15

2-Fluorobiphenyl

Concen: 0.405 ng

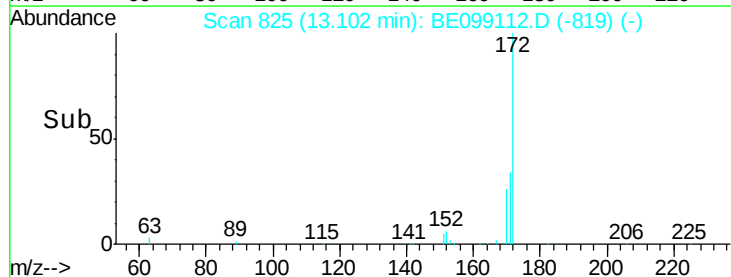
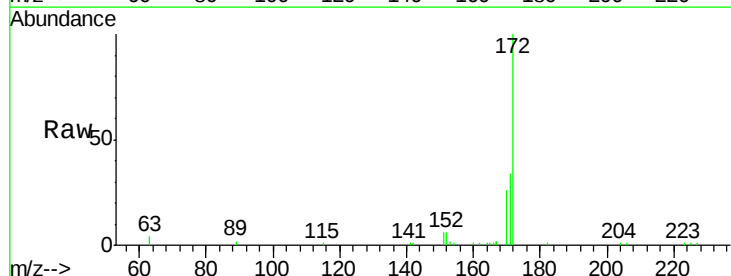
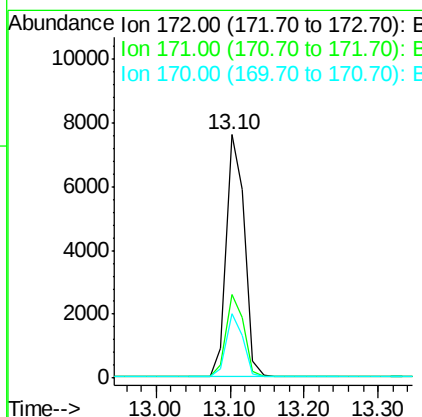
RT: 13.10 min Scan# 825

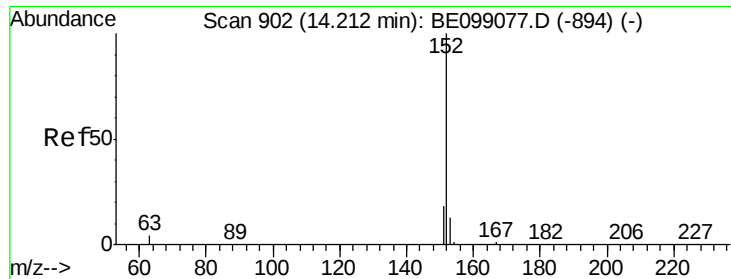
Delta R.T. -0.02 min

Lab File: BE099112.D

Acq: 23 Mar 2019 15:09

Tgt Ion:	172	Resp:	12900
Ion Ratio	Lower	Upper	
172	100		
171	34.1	28.0	42.0
170	26.3	17.7	26.5





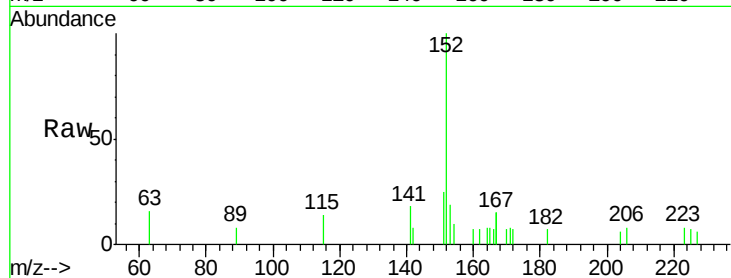
#16
Acenaphthylene
Concen: 0.042 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Instrument :
BNA_E
ClientSampleId :
PST-026-SW040-031919

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.4	17.0	25.6
153	12.0	11.2	16.8

Manual Integrations
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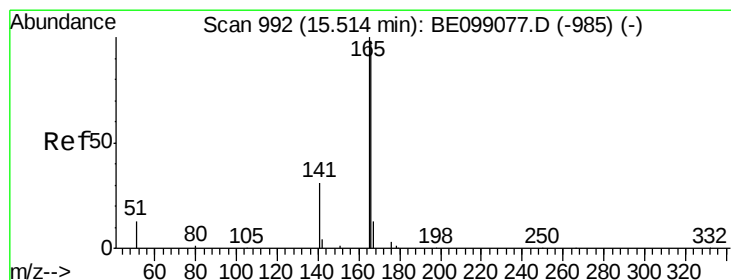
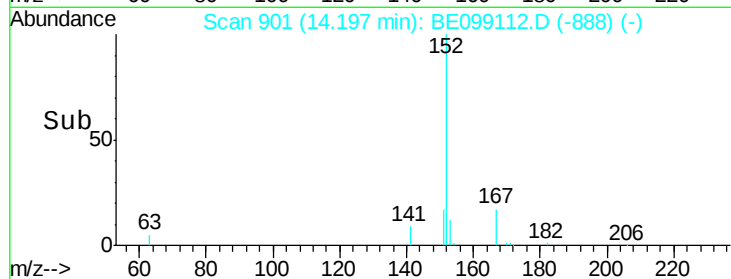
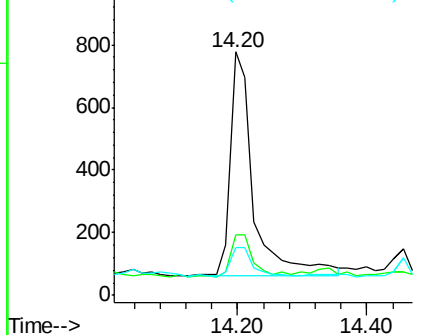


Abundance

Ion 152.00 (151.70 to 152.70): E

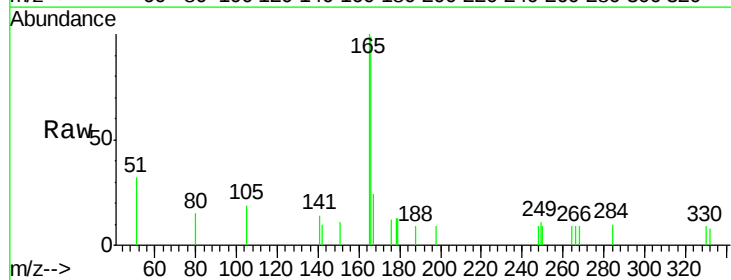
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#18
Fluorene
Concen: 0.025 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	88.7	79.3	118.9
167	20.4	10.5	15.7#

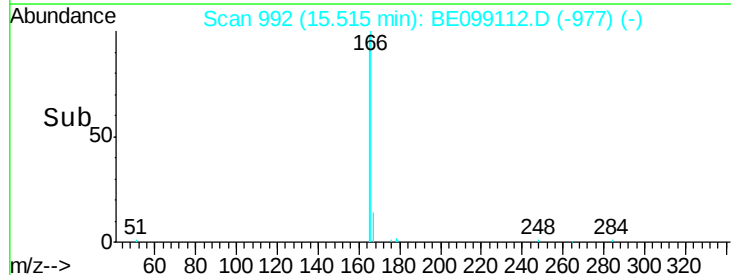
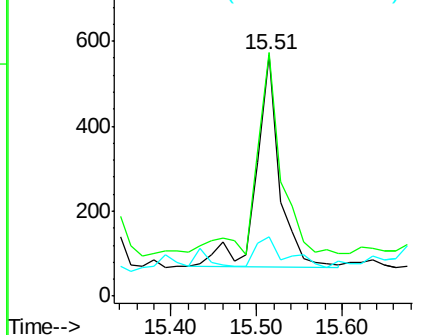


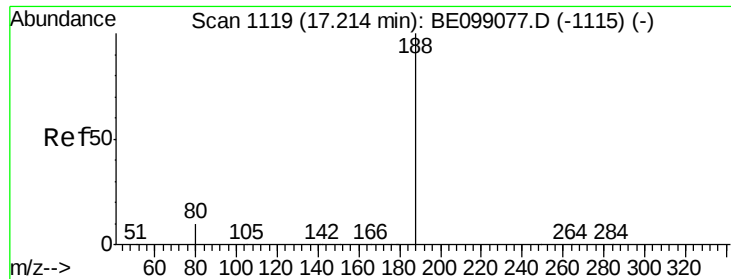
Abundance

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





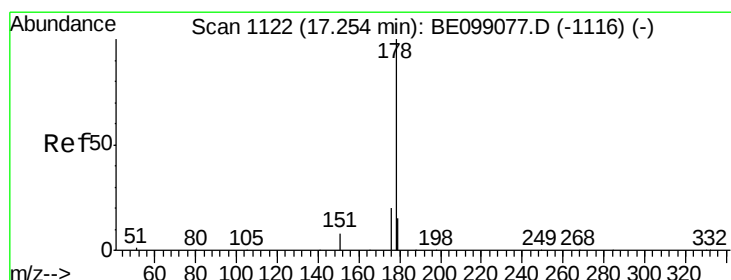
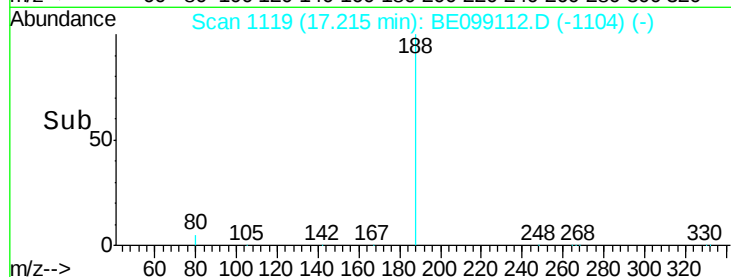
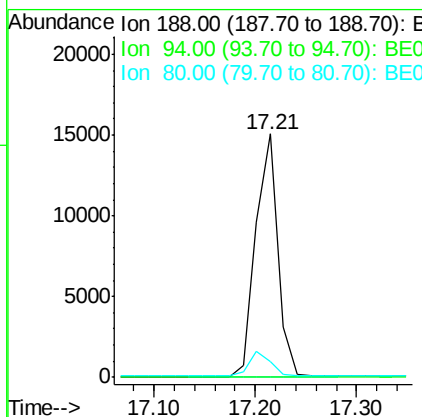
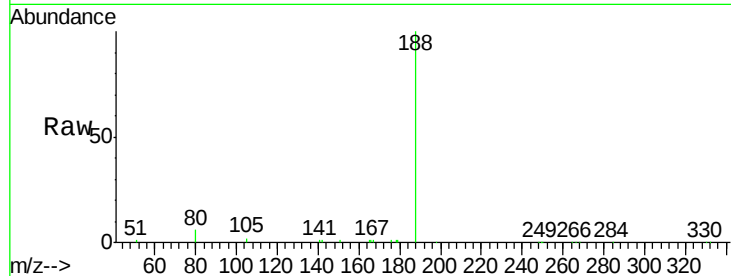
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Instrument :
BNA_E
ClientSampleId :
PST-026-SW040-031919

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.3	6.3	9.5#

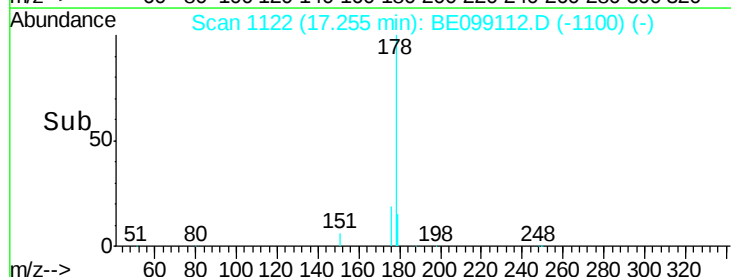
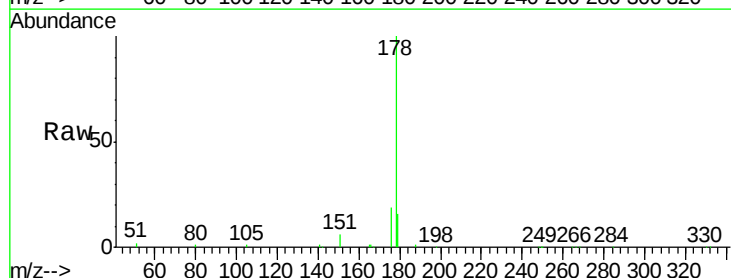
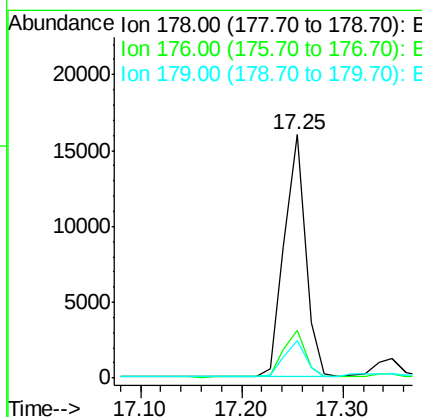
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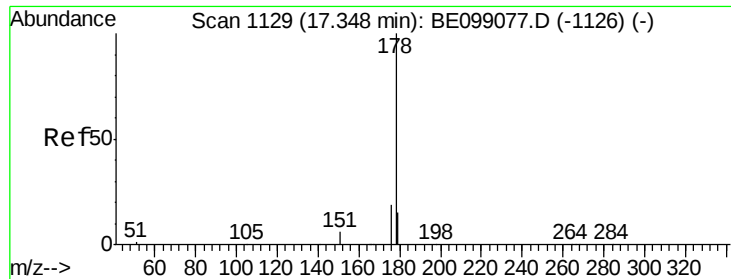
Sohil
3/25/2019 12:36:59 PM



#23
Phenanthrene
Concen: 0.341 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	16.0	24.0
179	15.5	12.1	18.1





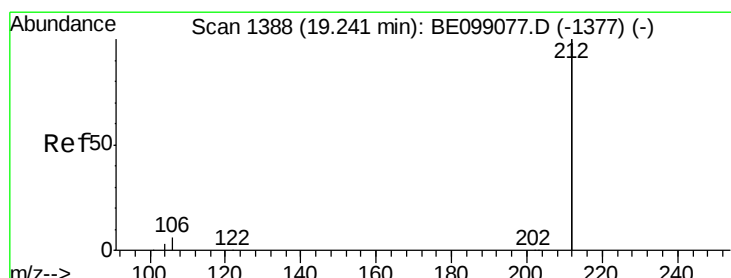
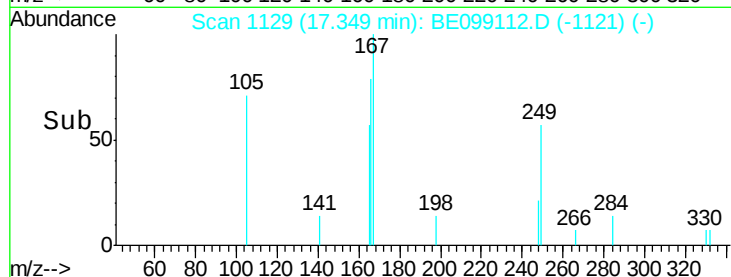
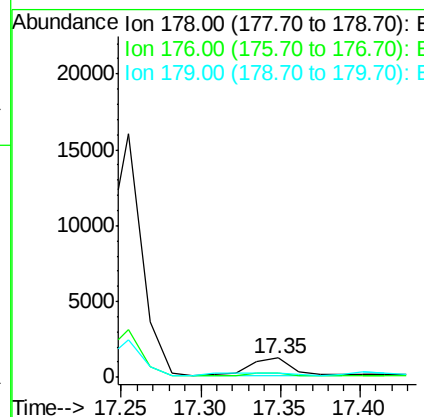
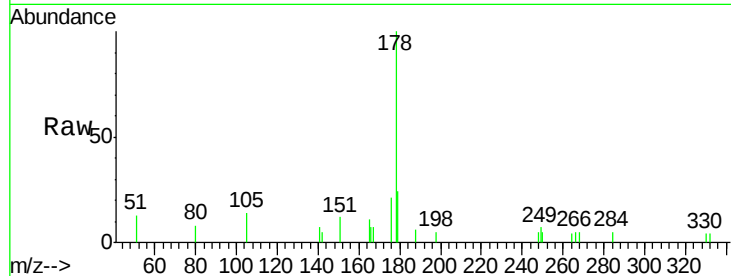
#24
 Anthracene
 Concen: 0.031 ng
 RT: 17.35 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: BE099112.D
 Acq: 23 Mar 2019 15:09

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW040-031919

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.0
179	24.3	12.2	18.4

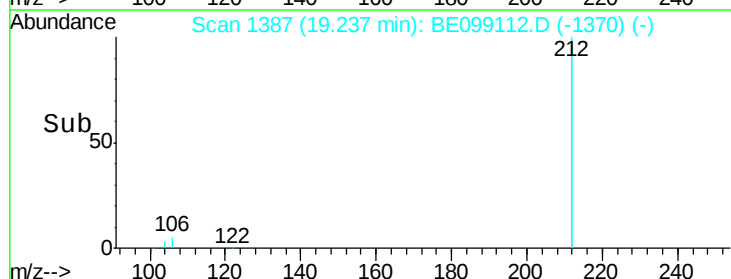
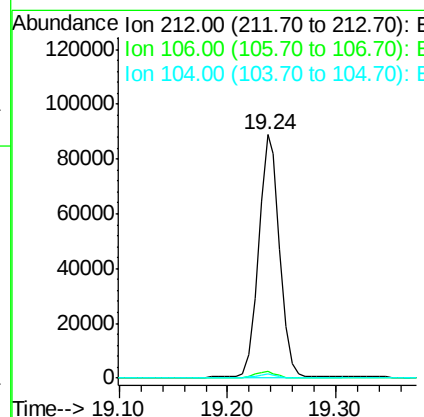
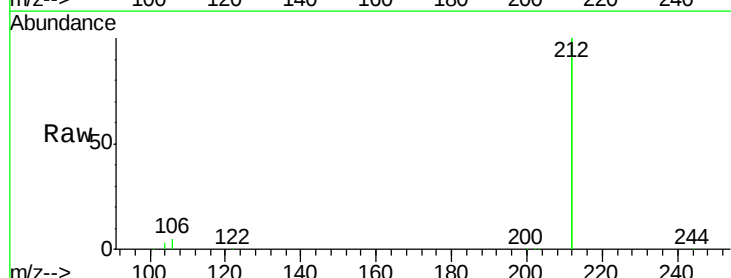
Manual Integrations
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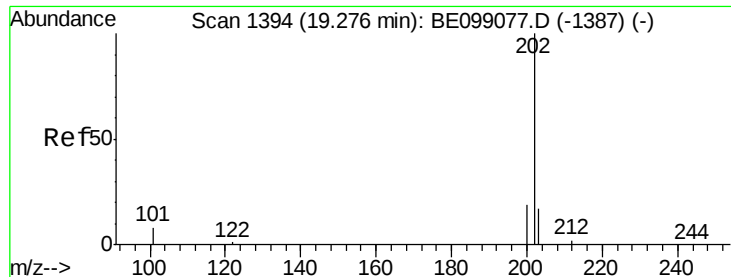
Sohil
 3/25/2019 12:36:59 PM



#25
 Fluoranthene-d10
 Concen: 0.390 ng
 RT: 19.24 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: BE099112.D
 Acq: 23 Mar 2019 15:09

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.7	1.8	2.8
104	1.4	1.0	1.6





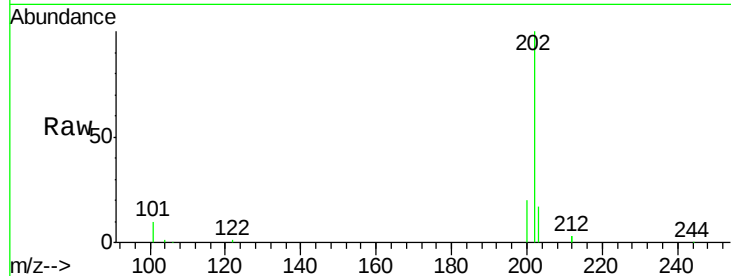
#26
Fluoranthene
Concen: 0.405 ng
RT: 19.27 min Scan# 1392
Delta R.T. -0.01 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Instrument :
BNA_E
ClientSampleId :
PST-026-SW040-031919

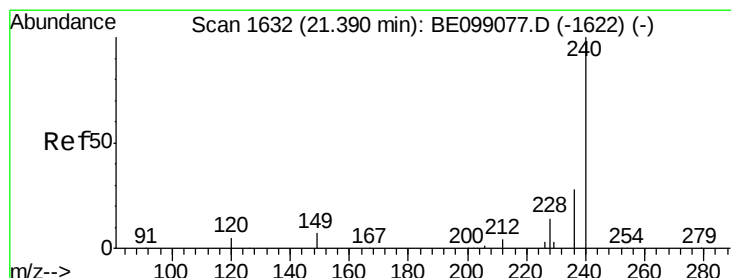
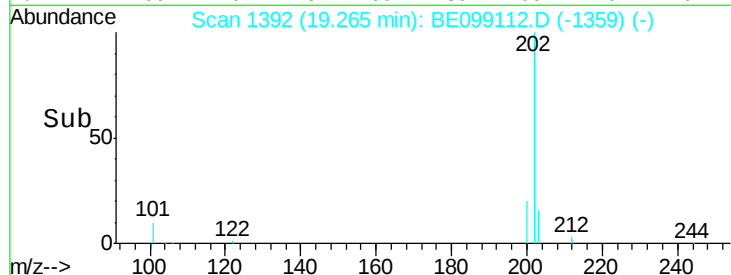
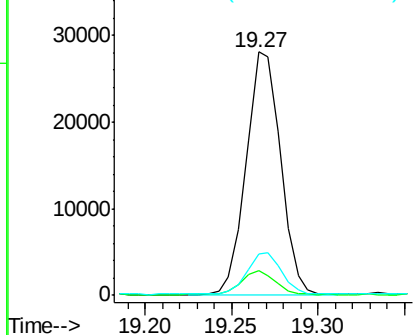
Tot Ion	Ratio	Resp	Lower	Upper
202	100	38865		
101	9.8		7.3	10.9
203	17.2		13.4	20.2

Manual Integrations
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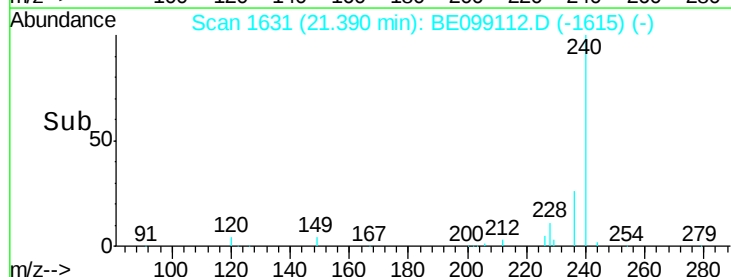
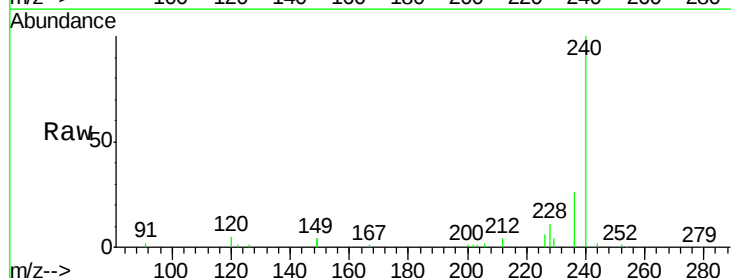
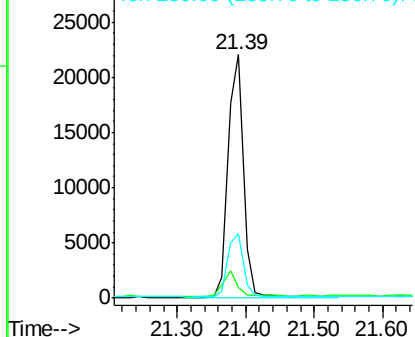
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

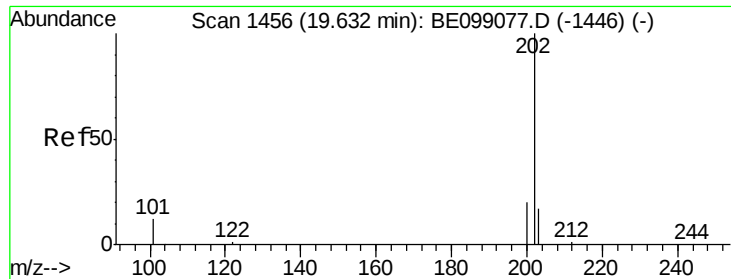


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	34068		
120	4.6		5.0	7.4#
236	26.4		22.7	34.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





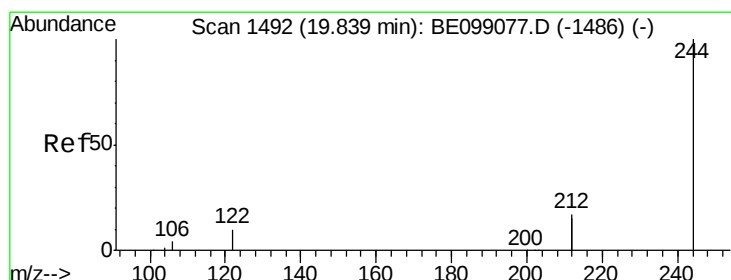
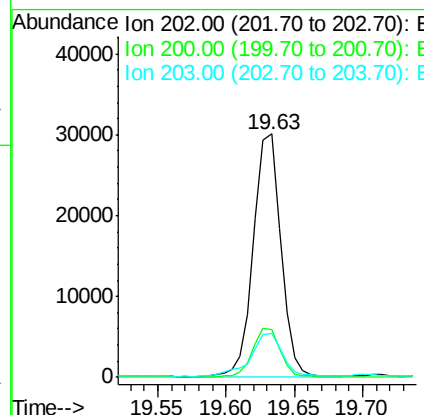
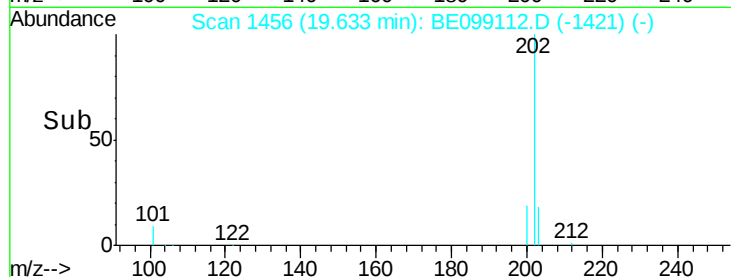
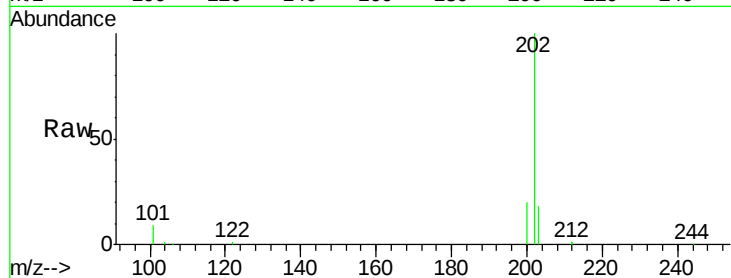
#28
Pvrene
Concen: 0.358 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Instrument :
BNA_E
ClientSampleId :
PST-026-SW040-031919

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.0	25.6
203	20.4	14.2	21.2

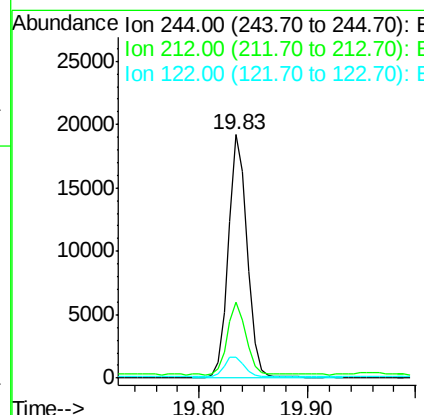
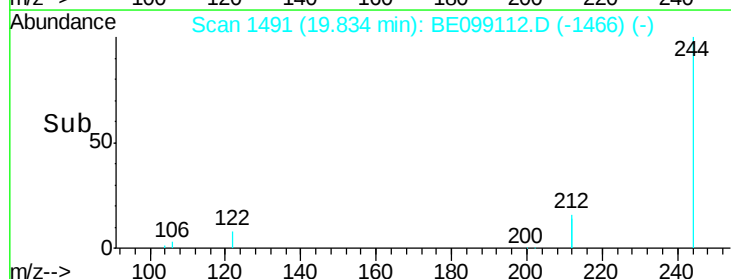
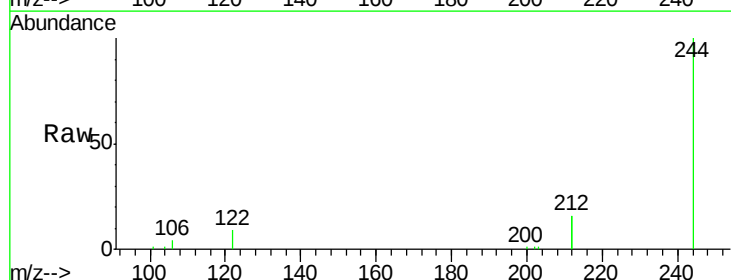
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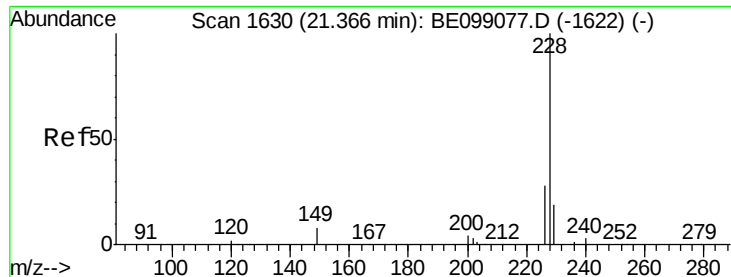
Sohil
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#29
Terphenyl-d14
Concen: 0.318 ng
RT: 19.83 min Scan# 1491
Delta R.T. -0.00 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	31.2	29.4	44.2
122	8.6	7.1	10.7





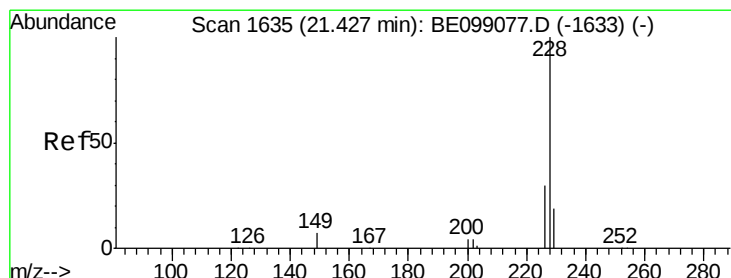
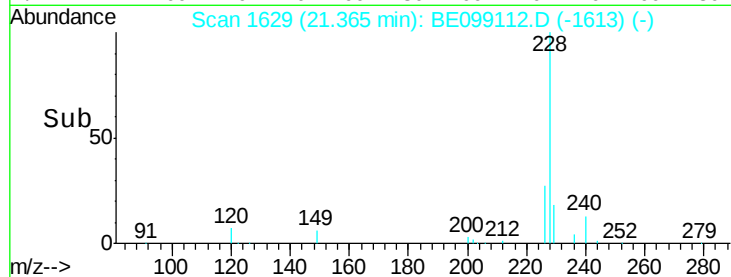
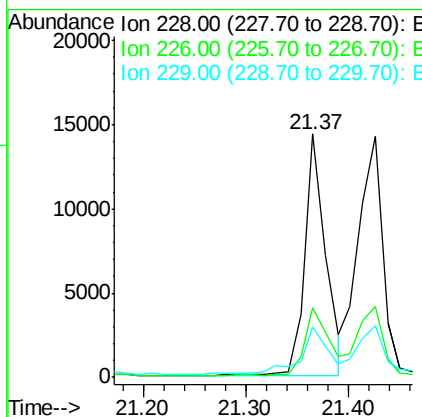
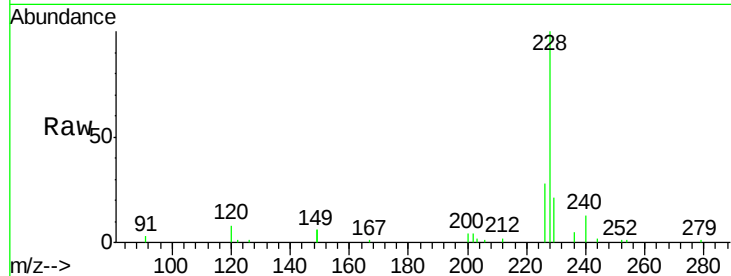
#30
Benzo(a)anthracene
Concen: 0.170 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Instrument :
BNA_E
ClientSampleId :
PST-026-SW040-031919

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.0	34.4
229	20.8	16.5	24.7

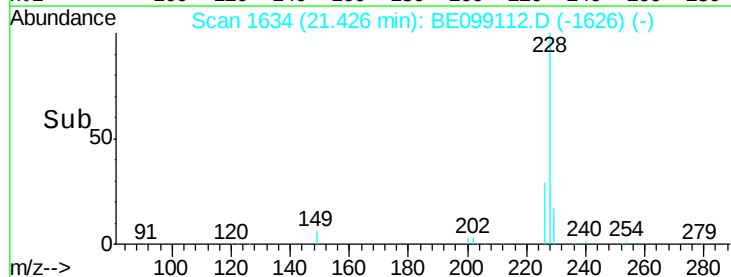
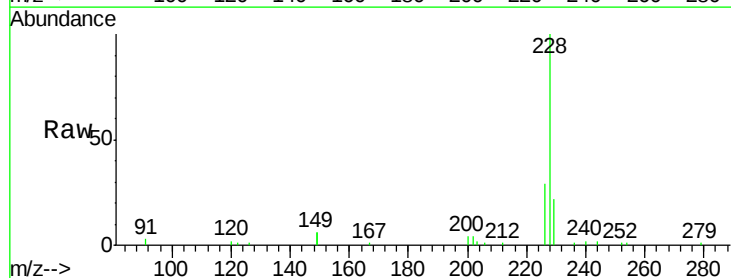
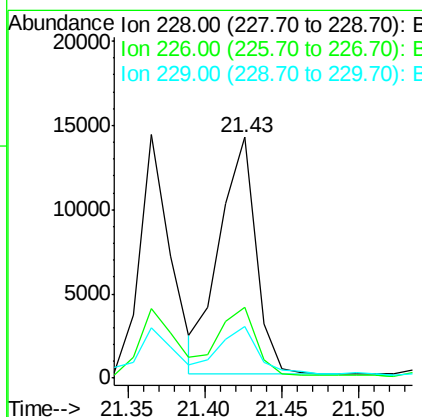
Manual Integrations
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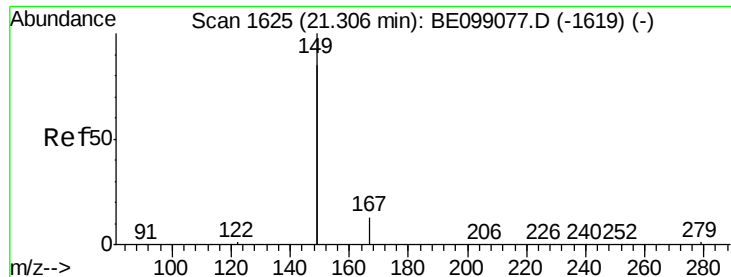
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#31
Chrysene
Concen: 0.192 ng
RT: 21.43 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.7	35.5
229	21.7	16.1	24.1





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.121 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099112.D

Acq: 23 Mar 2019 15:09

Instrument :

BNA_E

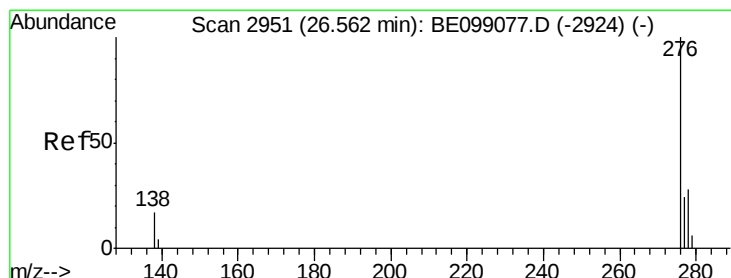
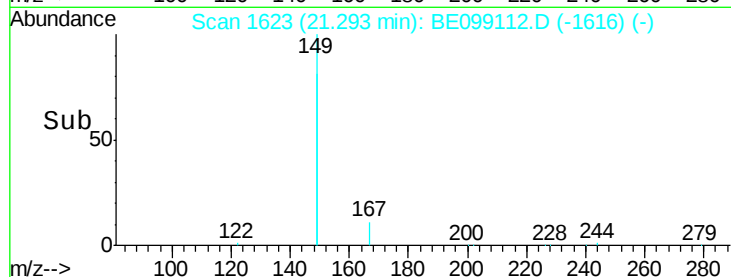
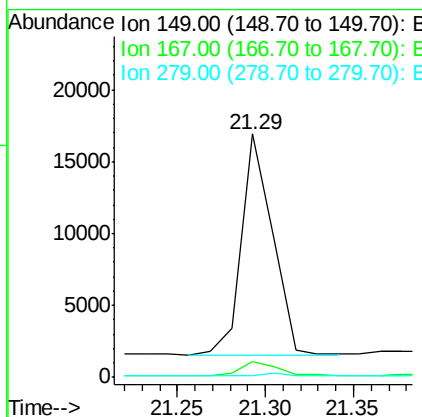
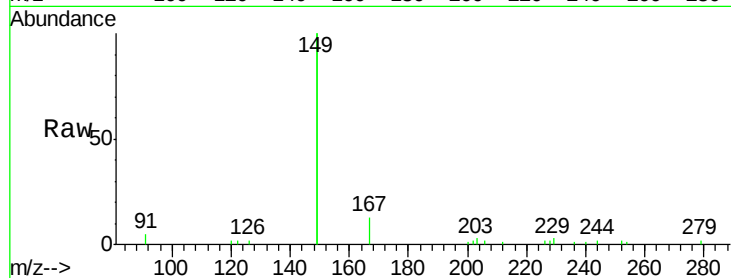
ClientSampleId :

PST-026-SW040-031919

Tot Ion:	149	Resp:	18779
Ion Ratio	Lower	Upper	
149	100		
167	7.3	5.4	8.0
279	1.2	1.0	1.4

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.087 ng

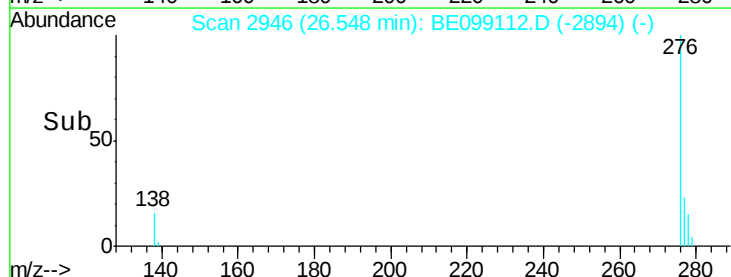
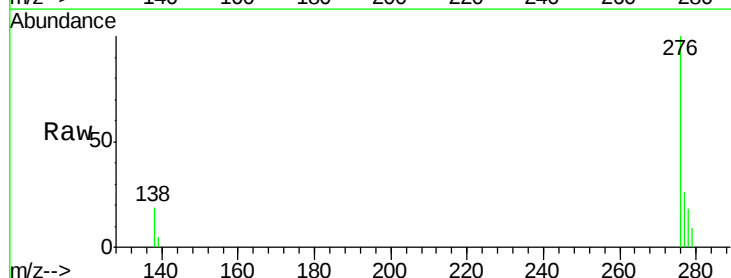
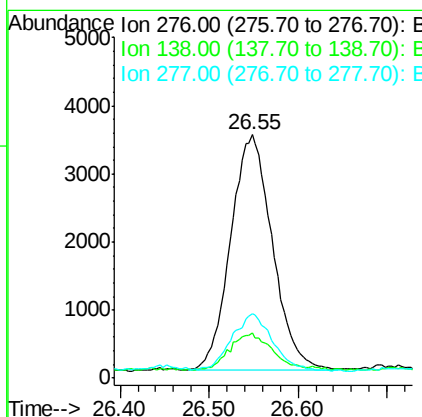
RT: 26.55 min Scan# 2946

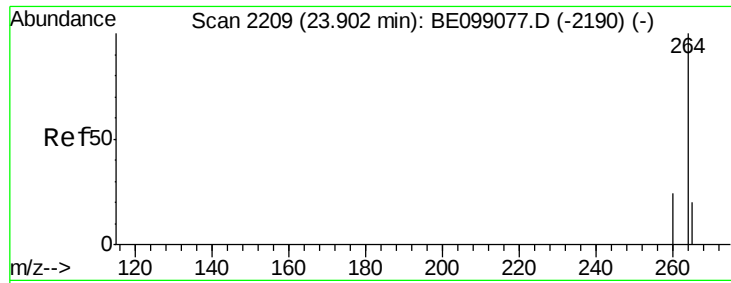
Delta R.T. -0.01 min

Lab File: BE099112.D

Acq: 23 Mar 2019 15:09

Tgt Ion:	276	Resp:	11187
Ion Ratio	Lower	Upper	
276	100		
138	15.8	13.8	20.8
277	23.1	19.5	29.3





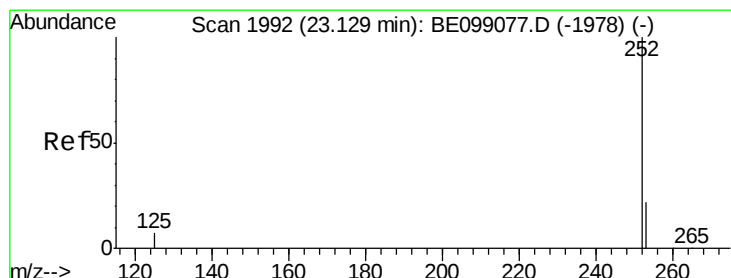
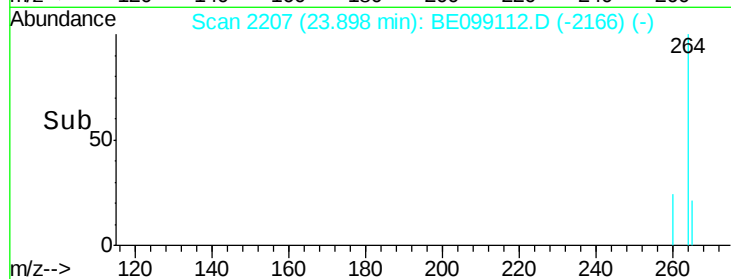
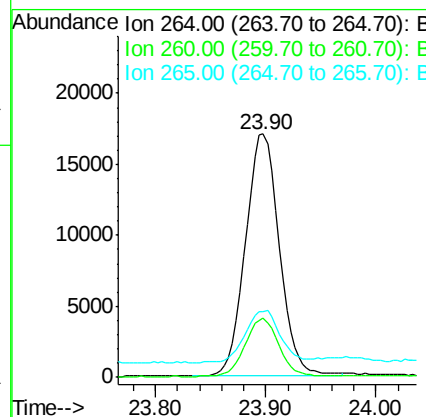
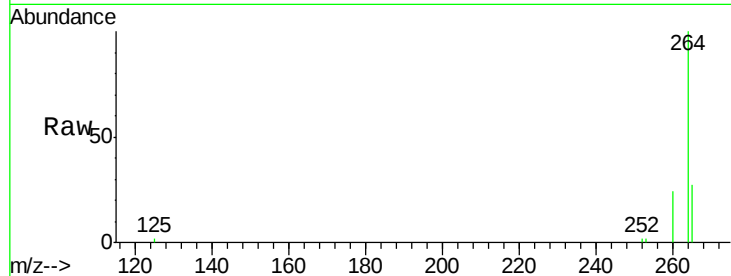
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2207
Delta R.T. -0.00 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Instrument :
BNA_E
ClientSampleId :
PST-026-SW040-031919

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	21.2	31.8
265	27.0	24.6	36.8

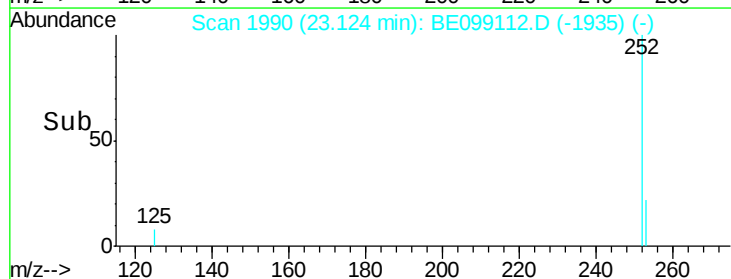
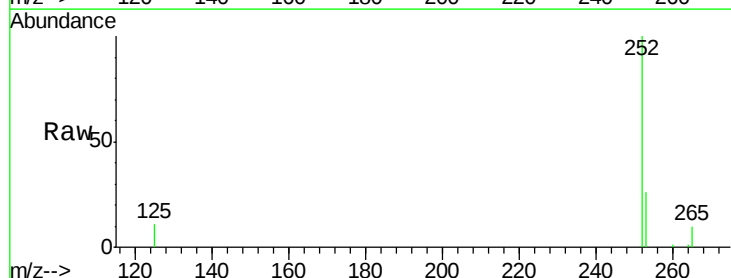
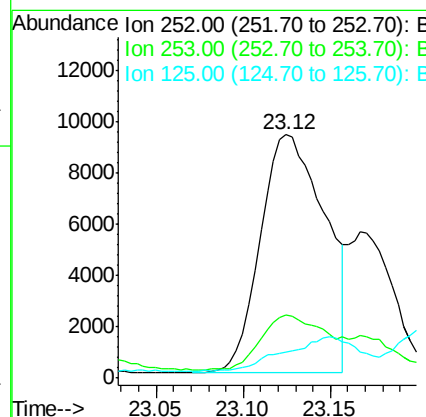
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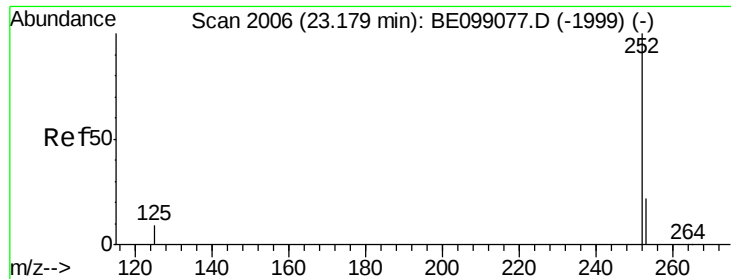
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#35
Benzo(b)fluoranthene
Concen: 0.191 ng
RT: 23.12 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.2	27.2
125	10.7	7.3	10.9





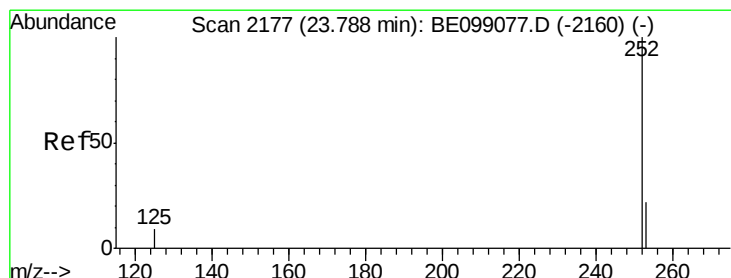
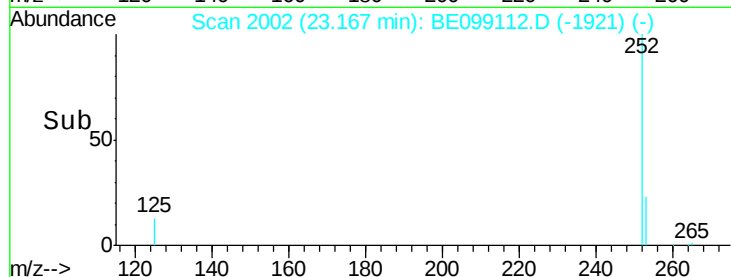
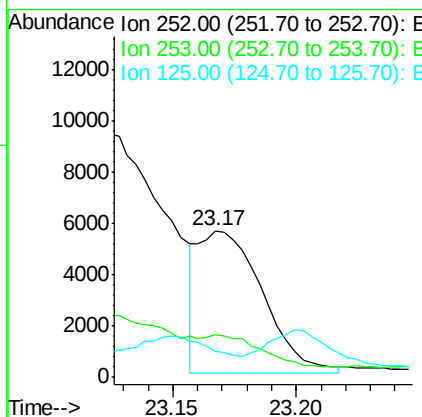
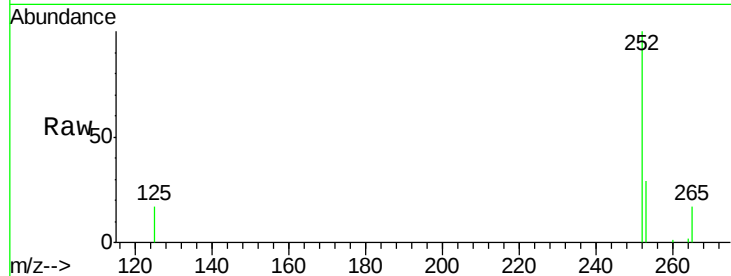
#36
Benzo(k)fluoranthene
Concen: 0.082 ng m
RT: 23.17 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Instrument :
BNA_E
ClientSampleId :
PST-026-SW040-031919

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.7	19.3	28.9
125	17.5	7.5	11.3

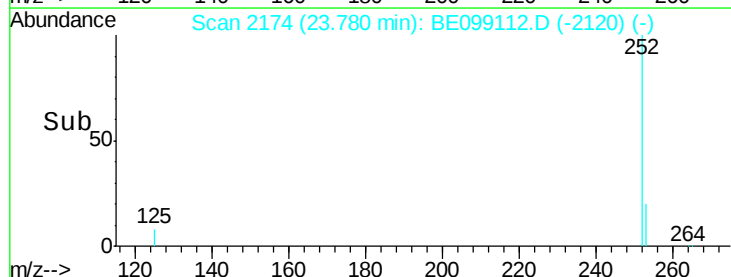
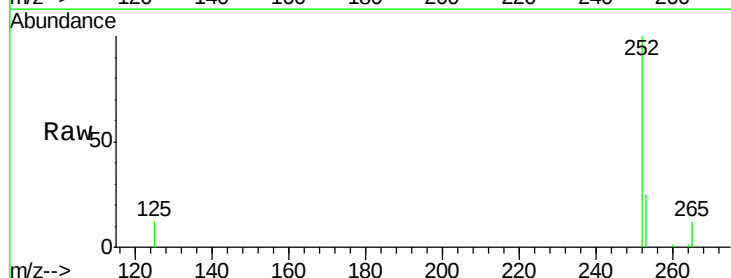
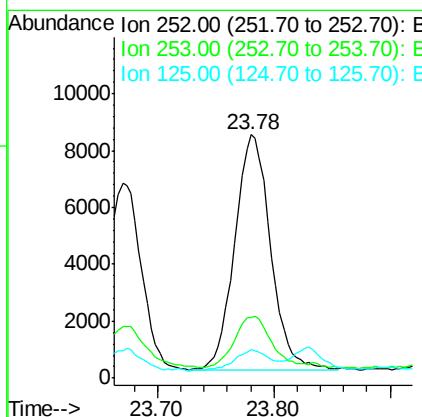
Manual Integrations
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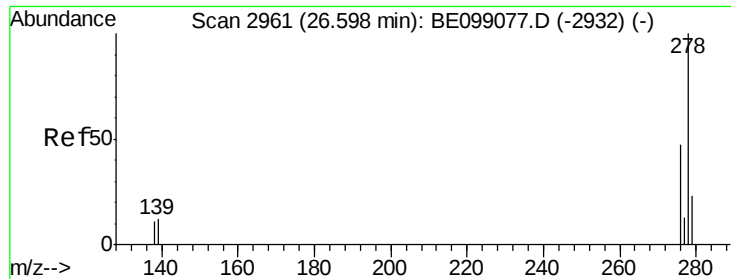
Sohil
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#37
Benzo(a)pyrene
Concen: 0.153 ng
RT: 23.78 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BE099112.D
Acq: 23 Mar 2019 15:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.9	29.9
125	11.7	9.0	13.4





#38

Dibenzo(a,h)anthracene

Concen: 0.026 ng

RT: 26.57 min Scan# 2952

Delta R.T. -0.03 min

Lab File: BE099112.D

Acq: 23 Mar 2019 15:09

Instrument :

BNA_E

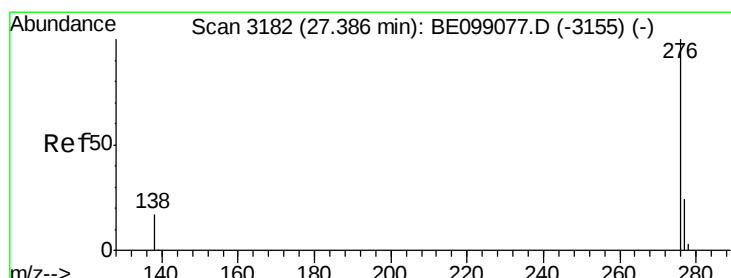
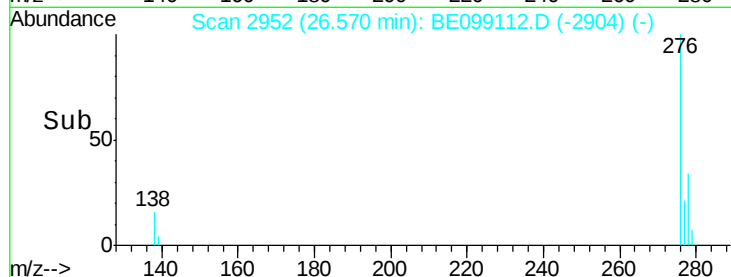
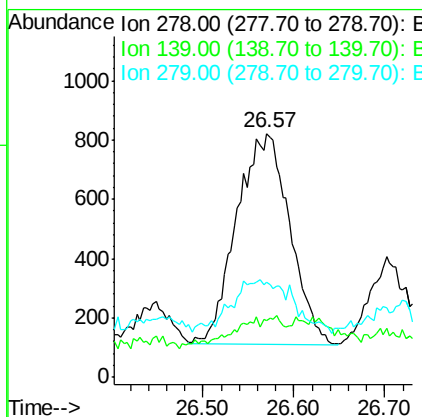
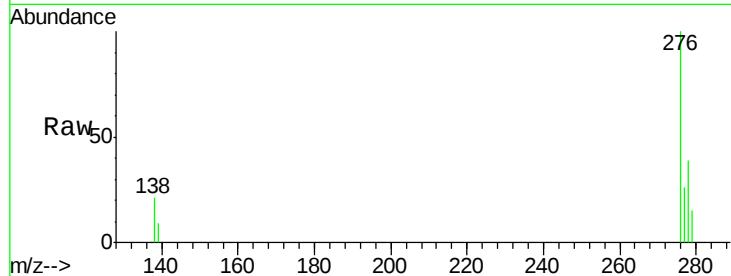
ClientSampleId :

PST-026-SW040-031919

Tot Ion:	278	Resp:	2891
Ion Ratio	Lower	Upper	
278	100		
139	23.5	11.8	17.6#
279	38.9	21.1	31.7#

Manual Integrations
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#39

Benzo(g,h,i)perylene

Concen: 0.105 ng

RT: 27.37 min Scan# 3175

Delta R.T. -0.02 min

Lab File: BE099112.D

Acq: 23 Mar 2019 15:09

Tgt Ion:	276	Resp:	12207
Ion Ratio	Lower	Upper	
276	100		
277	26.0	20.4	30.6
138	17.8	13.6	20.4

