

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
 Data File : BE099113.D
 Acq On : 23 Mar 2019 15:48
 Operator : JU/SJ
 Sample : K2014-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW074-031919

Manual Integrations
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 3/25/2019 12:37:02 PM

Quant Time: Mar 24 03:19:28 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	3367	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13350	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	8689	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	24428	0.40	ng	0.00
27) Chrysene-d12	21.39	240	35829	0.40	ng	0.00
34) Perylene-d12	23.90	264	37710	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	4109	0.41	ng	0.00
5) Phenol-d6	6.99	99	5802	0.40	ng	0.00
8) Nitrobenzene-d5	8.99	82	3778	0.65	ng	-0.01
11) 2-Methylnaphthalene-d10	12.22	152	8771	0.36	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1386	0.54	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	13081	0.38	ng	-0.01
25) Fluoranthene-d10	19.24	212	123251	0.38	ng	0.00
29) Terphenyl-d14	19.83	244	24152	0.32	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.20	152	2924	0.063	ng	94
23) Phenanthrene	17.26	178	15446	0.213	ng	99
24) Anthracene	17.35	178	1811	0.026	ng	95
26) Fluoranthene	19.27	202	33009	0.323	ng	98
28) Pyrene	19.63	202	46044	0.379	ng	96
30) Benzo(a)anthracene	21.37	228	26403	0.209	ng	97
31) Chrysene	21.43	228	28298	0.224	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	16936	0.103	ng	100
33) Indeno(1,2,3-cd)pyrene	26.54	276	12603	0.093	ng	99
35) Benzo(b)fluoranthene	23.12	252	27695	0.212	ng	96
36) Benzo(k)fluoranthene	23.17	252	9760m	0.076	ng	
37) Benzo(a)pyrene	23.78	252	21747	0.180	ng	98
38) Dibenzo(a,h)anthracene	26.57	278	3501	0.030	ng	# 78
39) Benzo(g,h,i)perylene	27.37	276	14292	0.119	ng	97

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

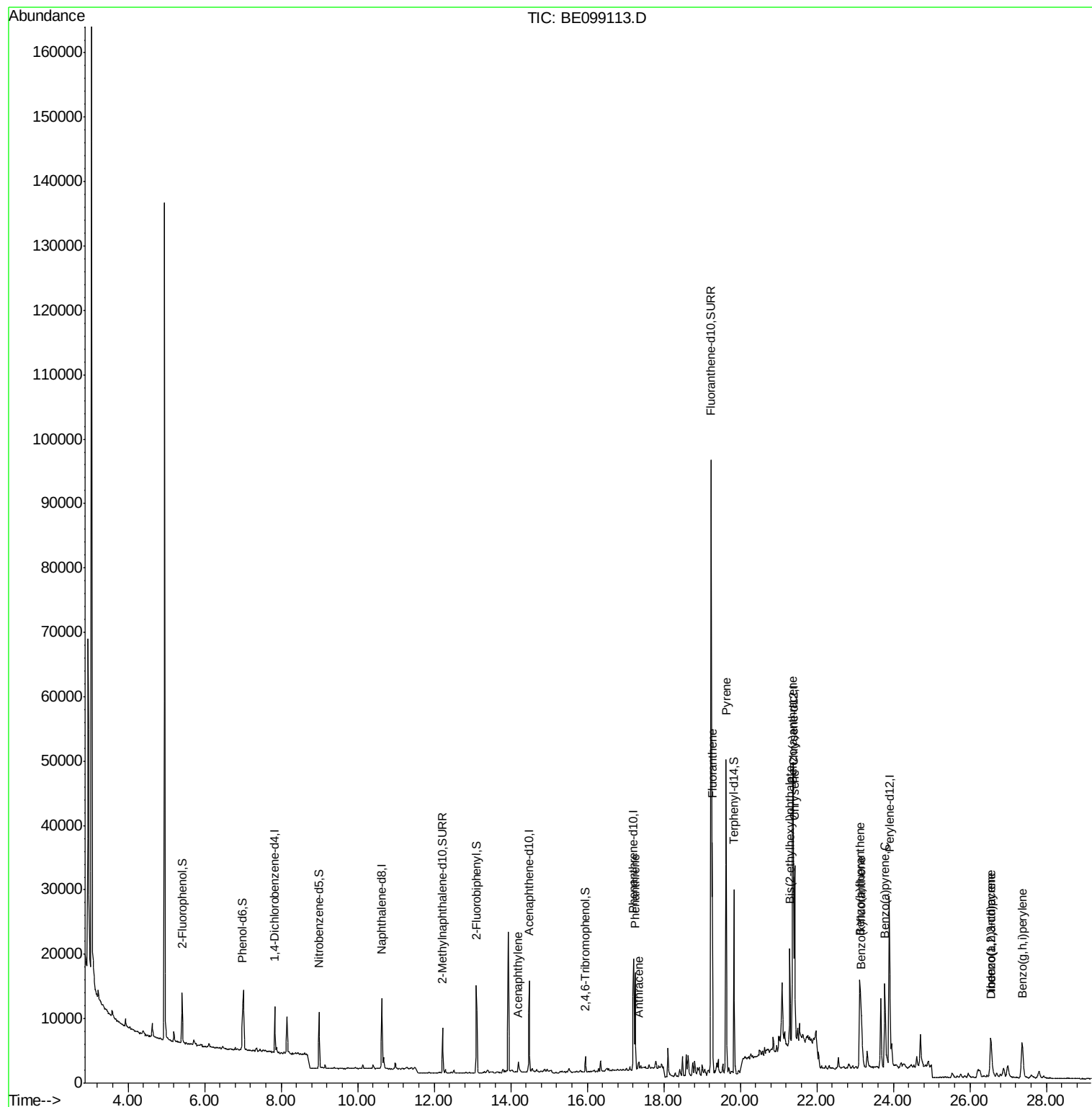
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032319\
Data File : BE099113.D
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Misc :
ALS Vial : 12 Sample Multiplier: 1

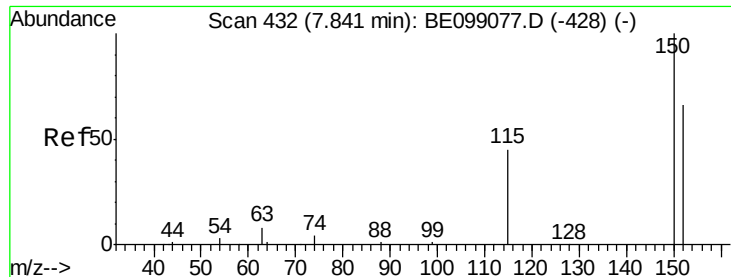
Instrument :
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PST-026-SW074-031919

Quant Time: Mar 24 03:19:28 2019
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#1

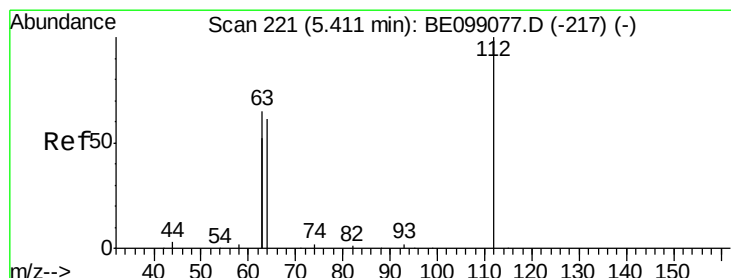
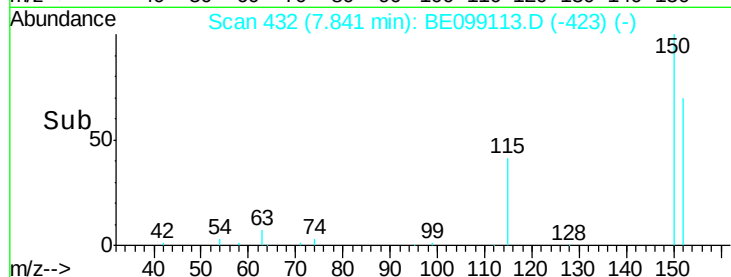
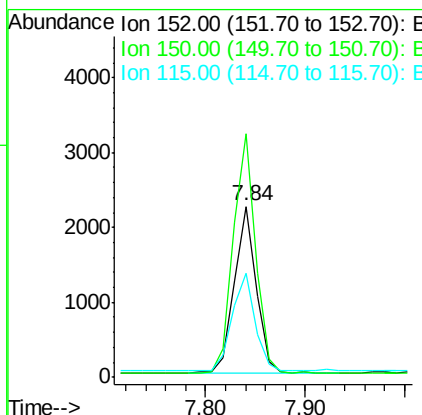
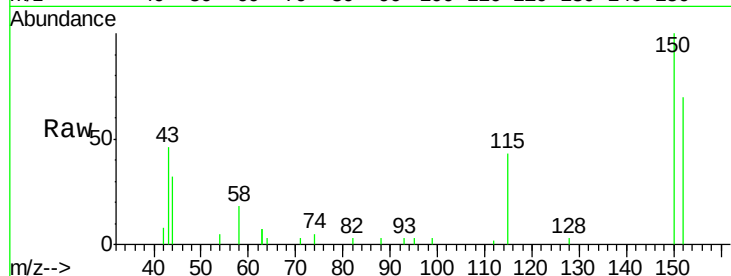
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099113.D
Acq: 23 Mar 2019 15:48

Instrument :
BNA_E
ClientSampleId :
PST-026-SW074-031919

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.4	122.5	183.7
115	60.6	57.4	86.2

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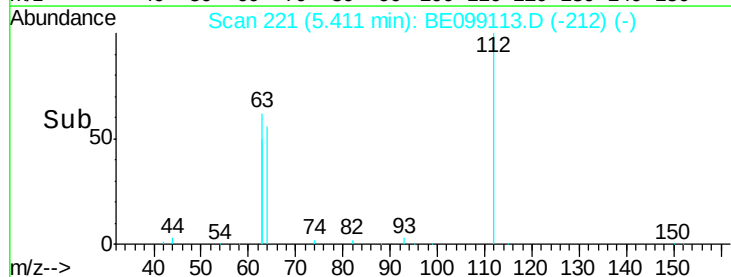
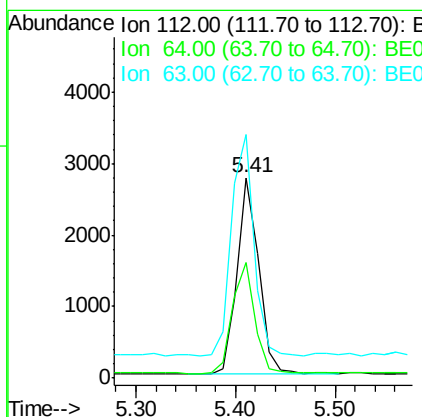
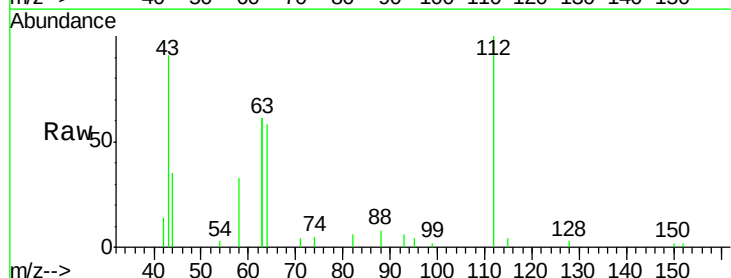
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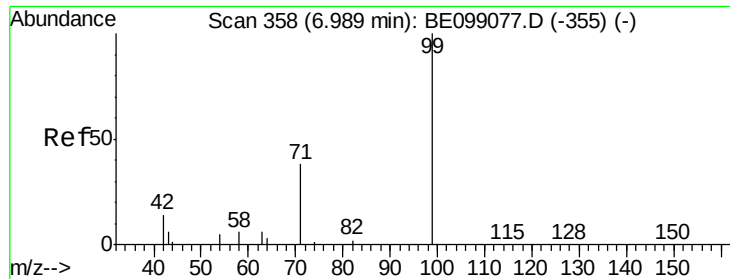


#4

2-Fluorophenol
Concen: 0.410 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099113.D
Acq: 23 Mar 2019 15:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	57.9	86.9
63	118.1	158.3	237.5





#5

Phenol-d6

Concen: 0.402 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099113.D

Acq: 23 Mar 2019 15:48

Instrument :

BNA_E

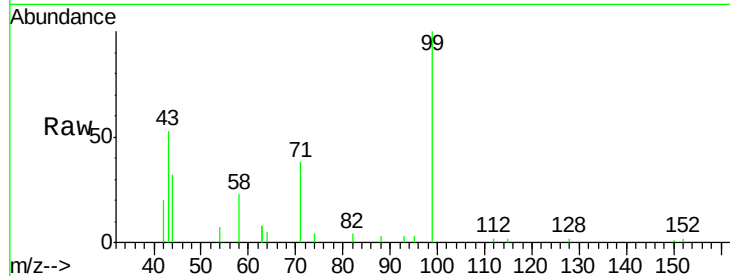
ClientSampleId :

PST-026-SW074-031919

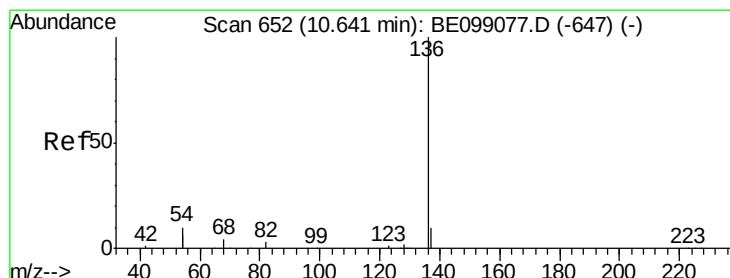
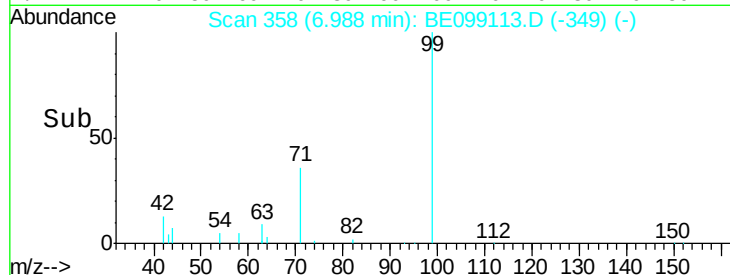
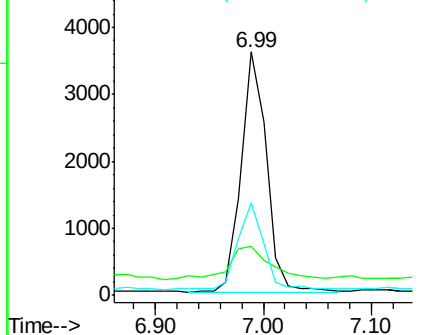
Tot Ion:	99	Resp:	5802
Ion	Ratio	Lower	Upper
99	100		
42	23.0	24.2	36.2#
71	36.1	35.7	53.5

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



#7

Naphthalene-d8

Concen: 0.400 ng

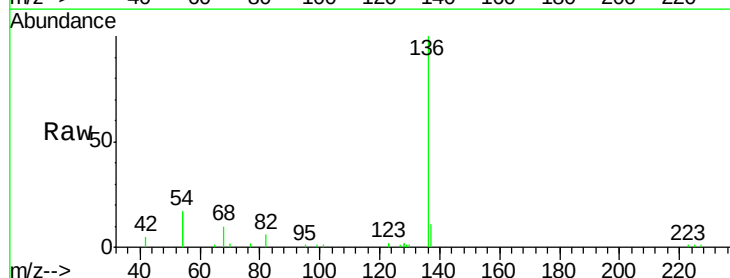
RT: 10.63 min Scan# 651

Delta R.T. -0.01 min

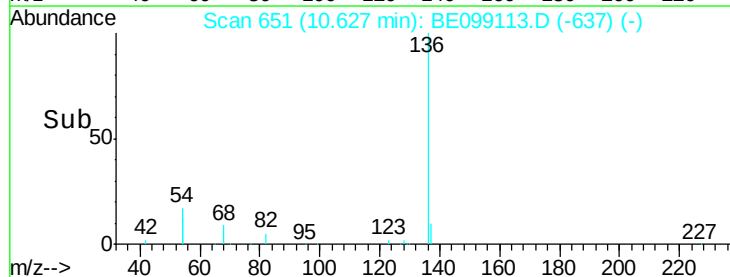
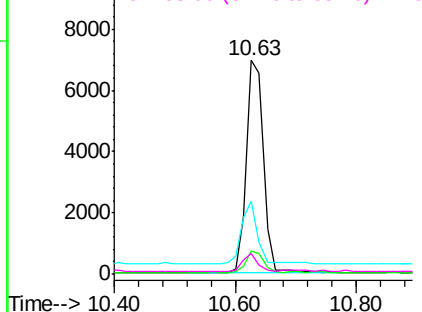
Lab File: BE099113.D

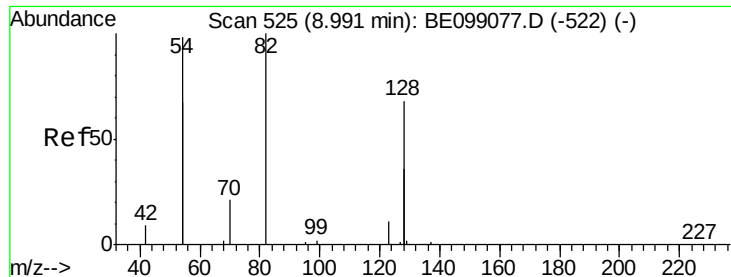
Acq: 23 Mar 2019 15:48

Tgt Ion:	136	Resp:	13350
Ion	Ratio	Lower	Upper
136	100		
137	11.1	11.4	17.0#
54	34.4	39.3	58.9#
68	9.8	6.7	10.1



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





#8

Nitrobenzene-d5

Concen: 0.647 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099113.D

Acq: 23 Mar 2019 15:48

Instrument :

BNA_E

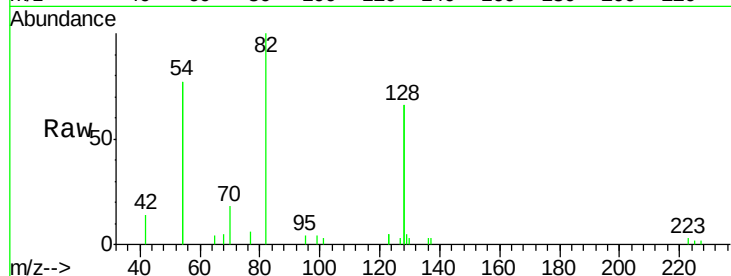
ClientSampleId :

PST-026-SW074-031919

Tot Ion	Ratio	Lower	Upper
82	100		
128	132.1	123.8	185.8
54	153.8	203.4	305.2

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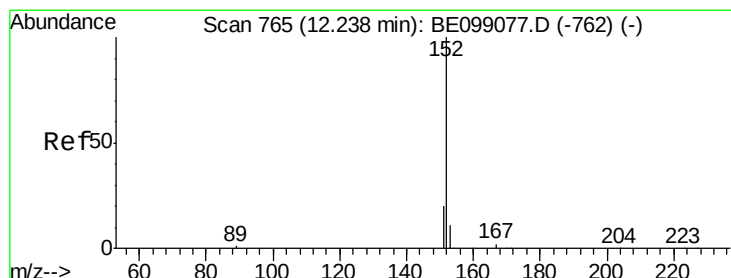
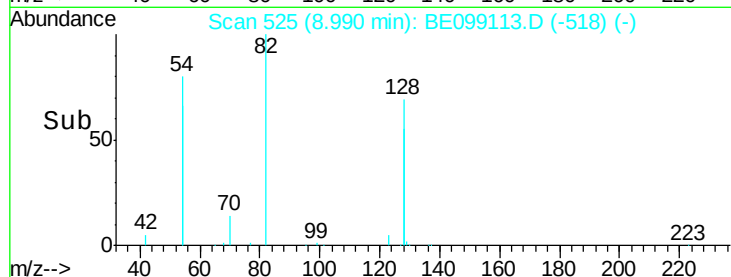
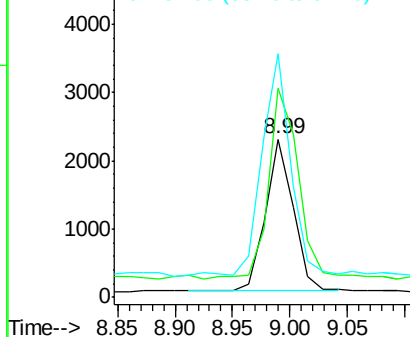
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Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.365 ng

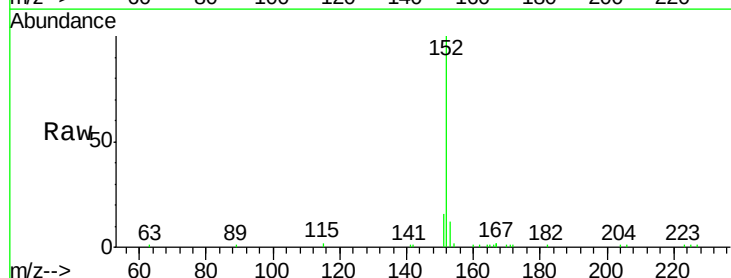
RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099113.D

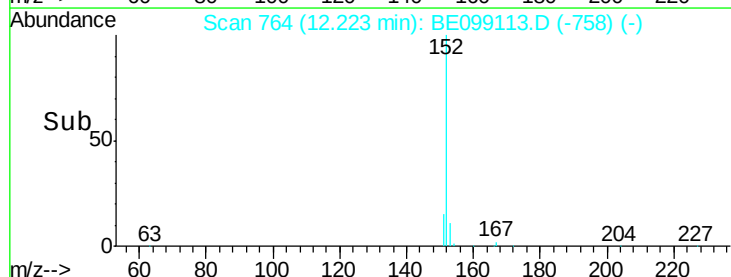
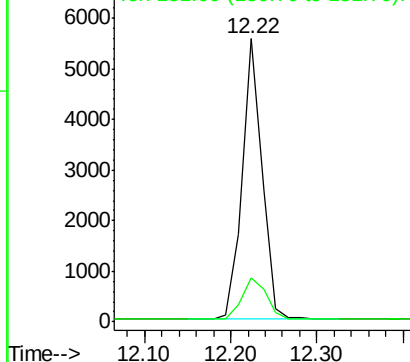
Acq: 23 Mar 2019 15:48

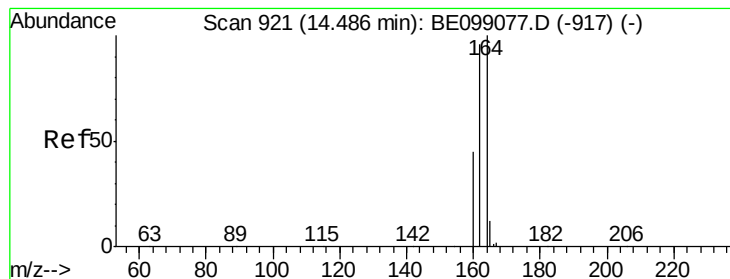
Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.2	16.5	24.7



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099113.D

Acq: 23 Mar 2019 15:48

Instrument :

BNA_E

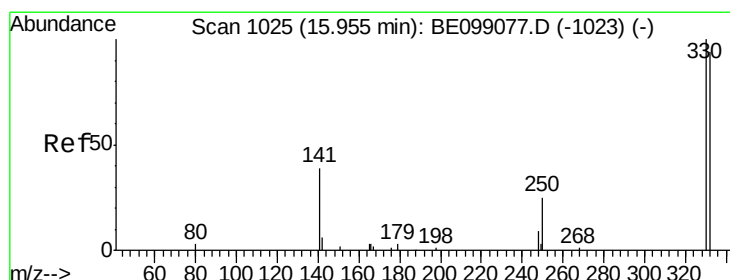
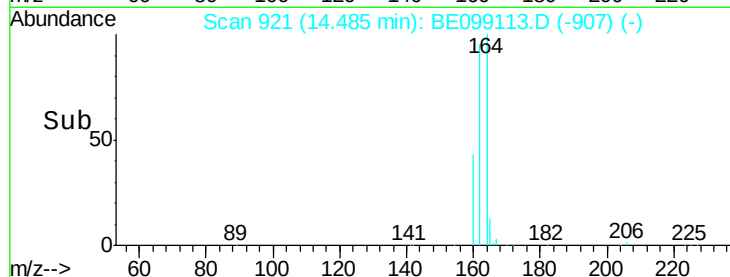
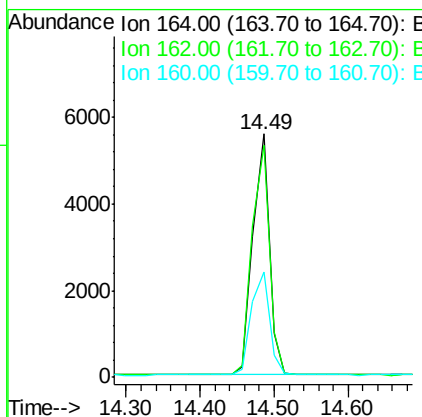
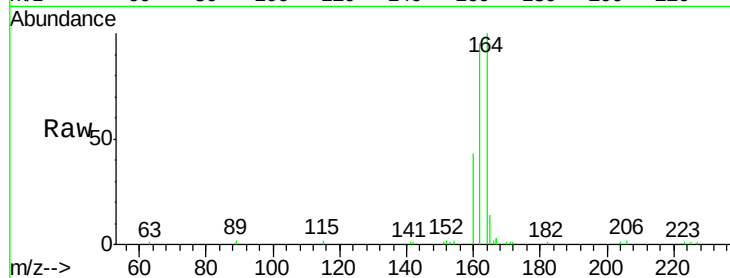
ClientSampleId :

PST-026-SW074-031919

Tot Ion:	164	Resp:	8689
Ion Ratio	Lower	Upper	
164	100		
162	95.4	80.2	120.2
160	43.5	37.8	56.8

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#14

2,4,6-Tribromophenol

Concen: 0.543 ng

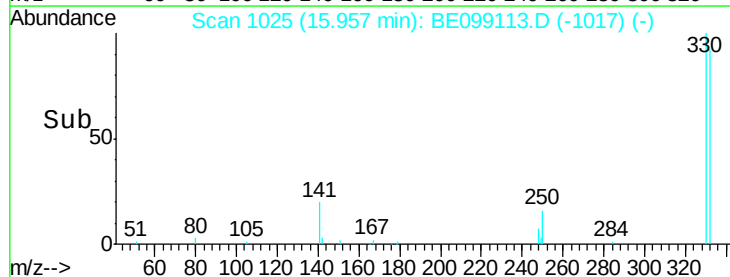
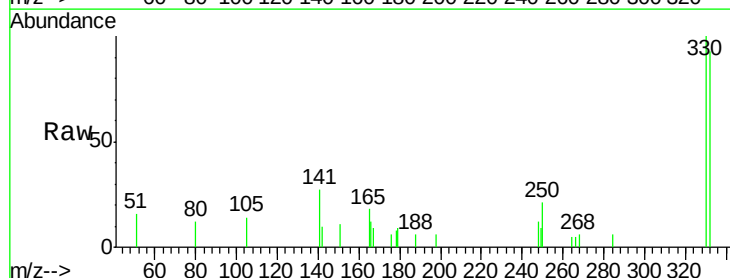
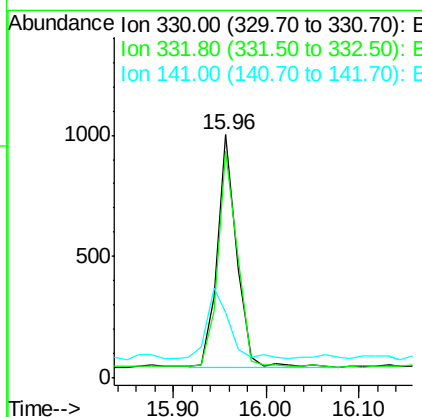
RT: 15.96 min Scan# 1025

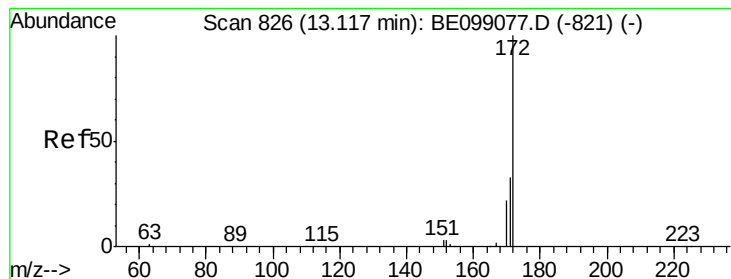
Delta R.T. 0.00 min

Lab File: BE099113.D

Acq: 23 Mar 2019 15:48

Tgt Ion:	330	Resp:	1386
Ion Ratio	Lower	Upper	
330	100		
332	93.4	77.6	116.4
141	35.0	31.0	46.4





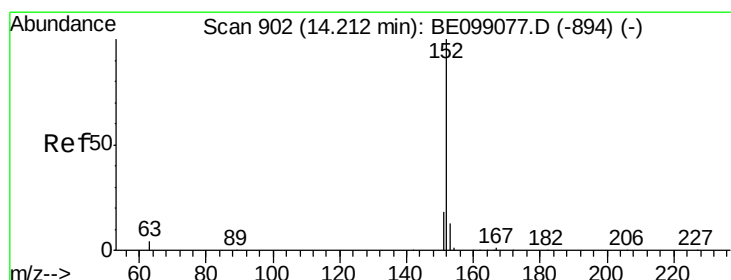
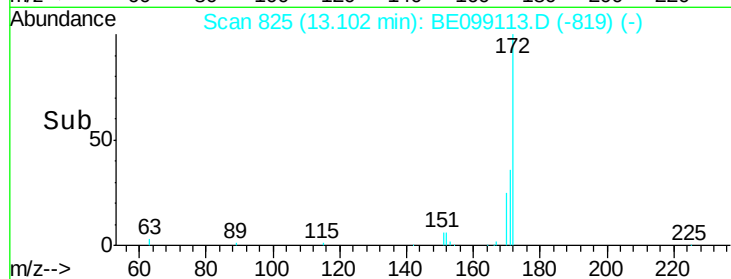
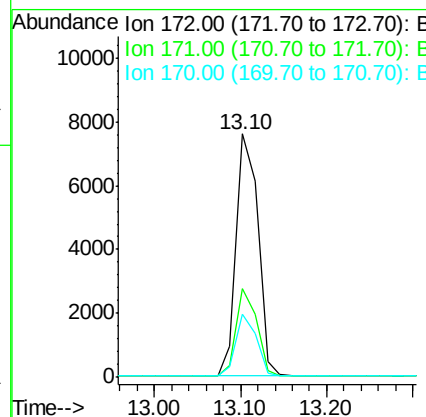
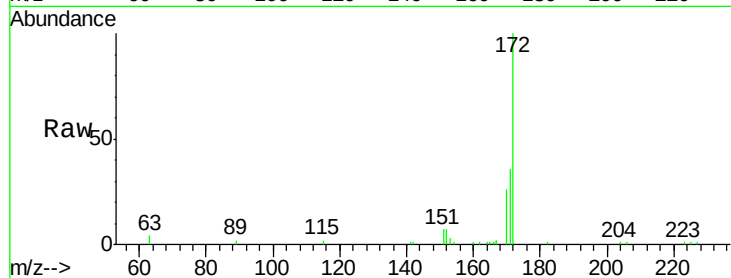
#15
2-Fluorobiphenyl
Concen: 0.379 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE099113.D
Acq: 23 Mar 2019 15:48

Instrument :
BNA_E
ClientSampleId :
PST-026-SW074-031919

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.0	42.0
170	25.9	17.7	26.5

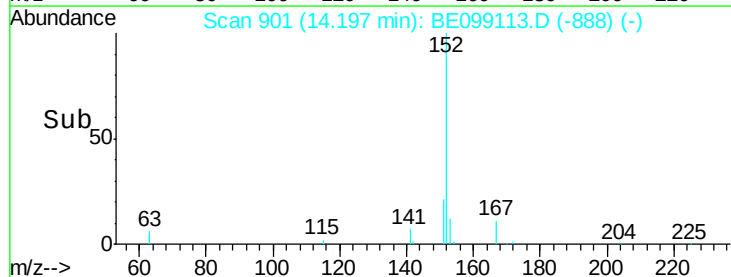
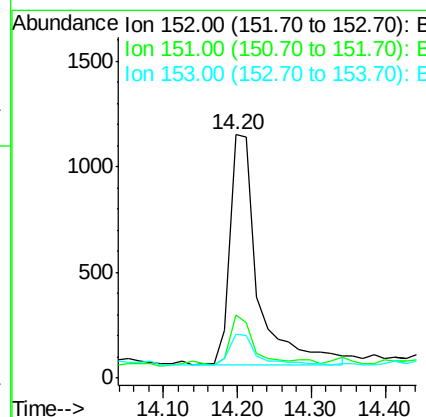
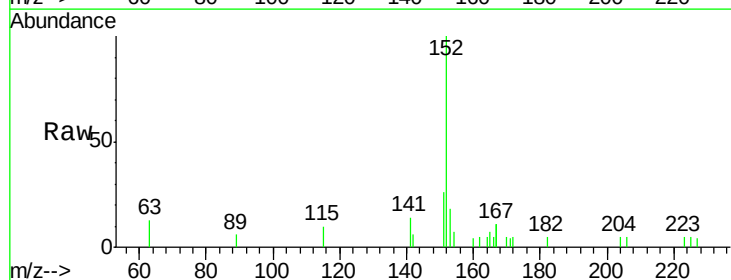
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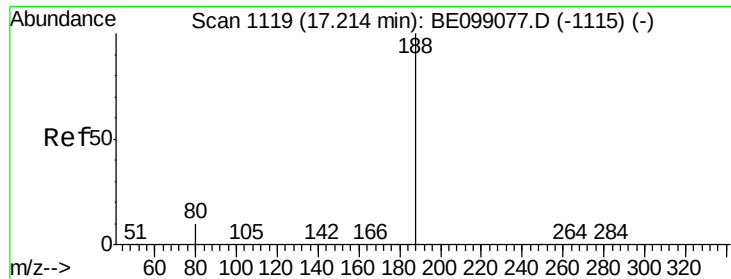
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#16
Acenaphthylene
Concen: 0.063 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099113.D
Acq: 23 Mar 2019 15:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	17.4	17.0	25.6
153	12.6	11.2	16.8





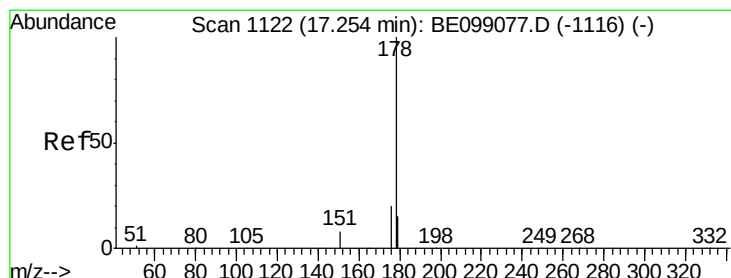
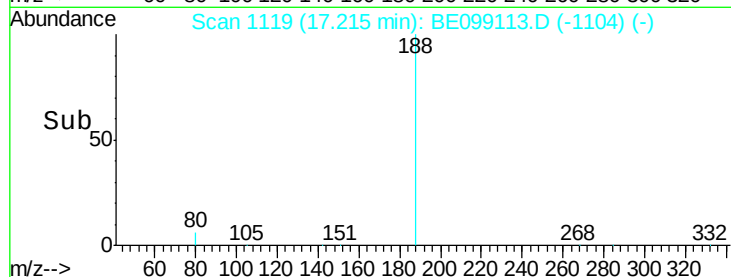
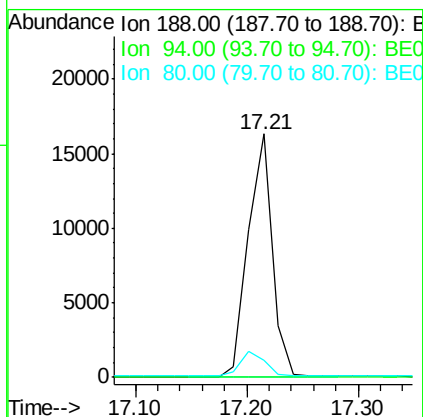
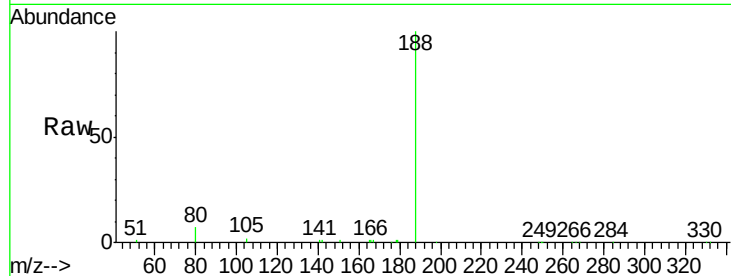
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099113.D
Acq: 23 Mar 2019 15:48

Instrument :
BNA_E
ClientSampleId :
PST-026-SW074-031919

Tot Ion	Ratio	Resp	Lower	Upper
188	100	24428		
94	0.0	0.0	0.0	0.0
80	6.8	6.3	9.5	

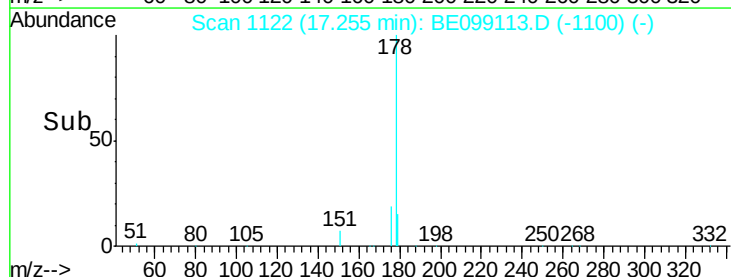
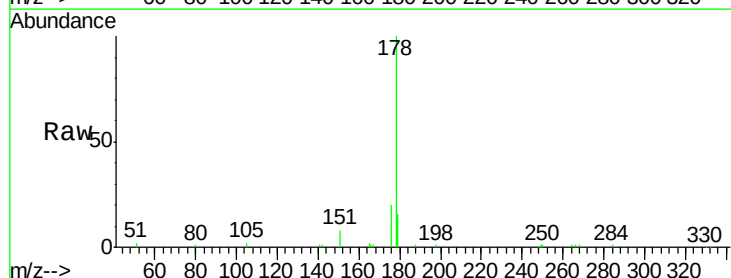
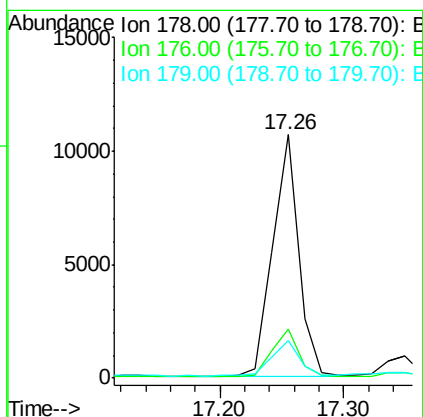
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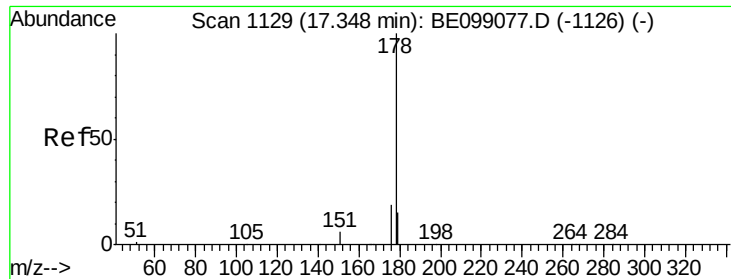
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#23
Phenanthrene
Concen: 0.213 ng
RT: 17.26 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099113.D
Acq: 23 Mar 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	15446		
176	19.6	16.0	24.0	
179	16.0	12.1	18.1	





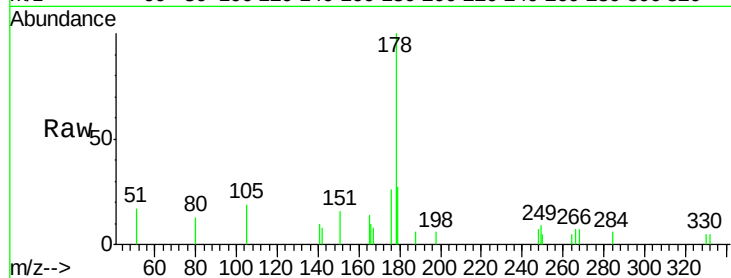
#24
 Anthracene
 Concen: 0.026 ng
 RT: 17.35 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: BE099113.D
 Acq: 23 Mar 2019 15:48

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW074-031919

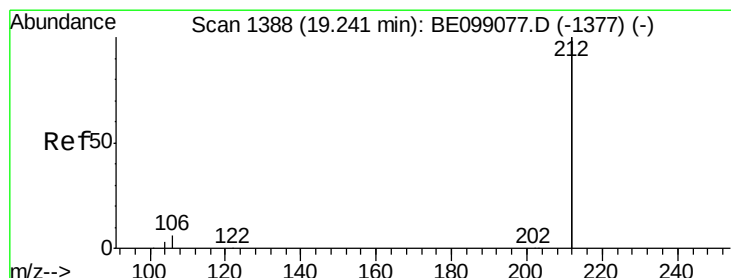
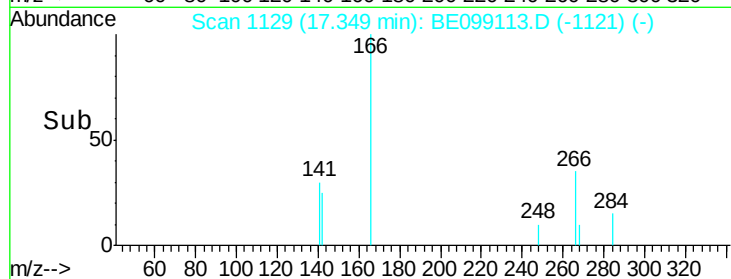
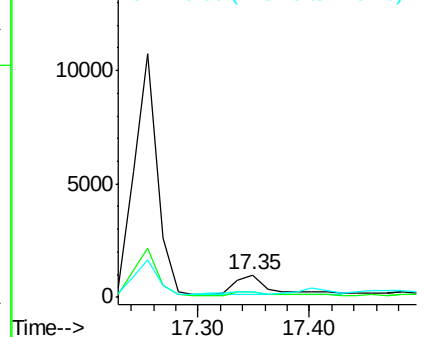
Tot Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.4	23.0
179	12.4	12.2	18.4

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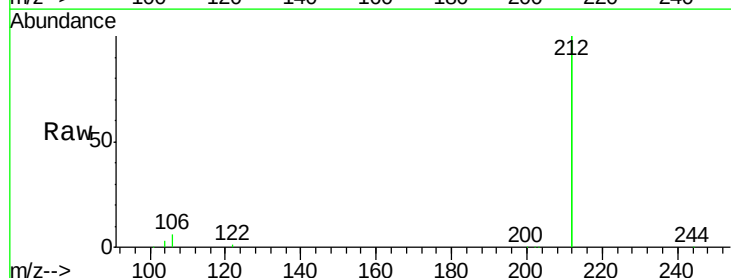


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

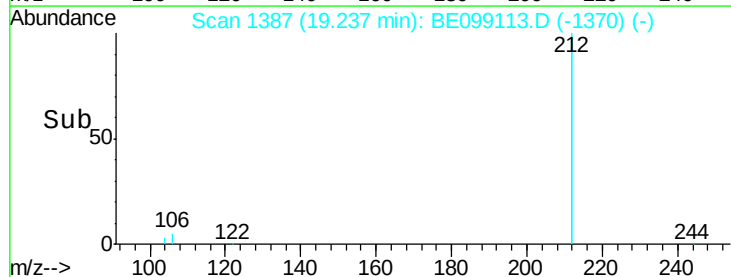
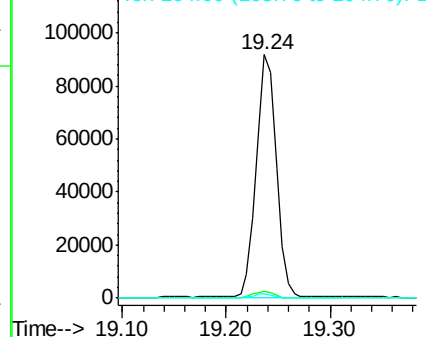


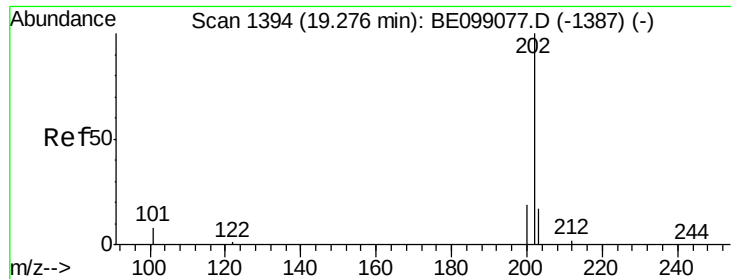
#25
 Fluoranthene-d10
 Concen: 0.378 ng
 RT: 19.24 min Scan# 1387
 Delta R.T. -0.00 min
 Lab File: BE099113.D
 Acq: 23 Mar 2019 15:48

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.7	1.8	2.8
104	1.5	1.0	1.6



Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E





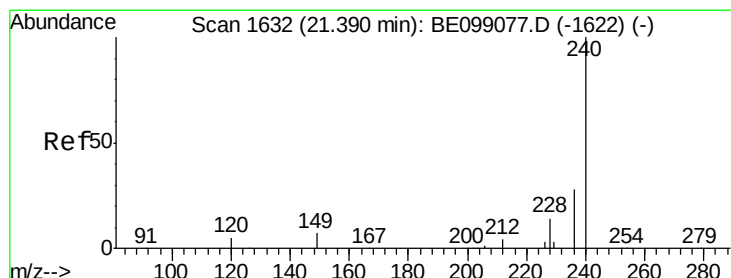
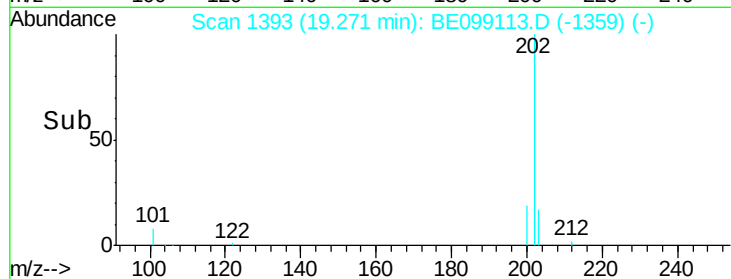
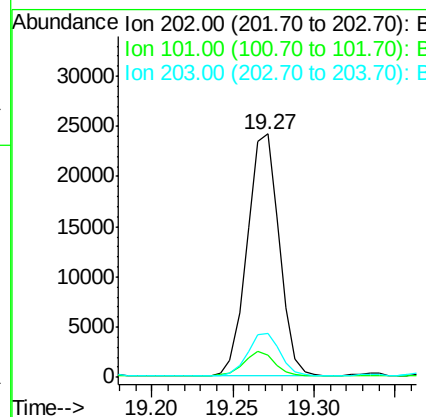
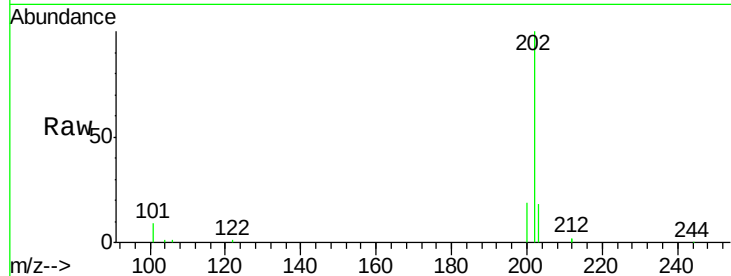
#26
Fluoranthene
 Concen: 0.323 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: BE099113.D
 Acq: 23 Mar 2019 15:48

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW074-031919

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.3	10.9
203	17.7	13.4	20.2

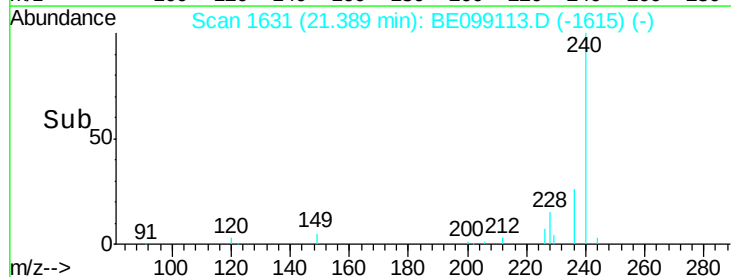
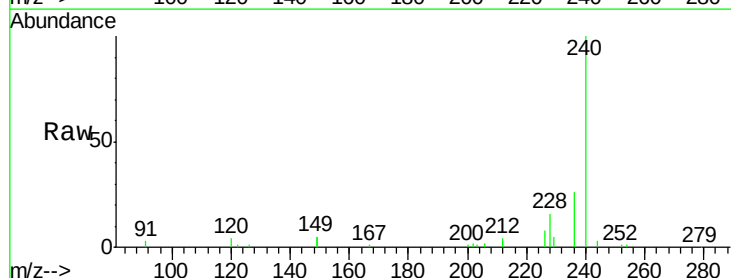
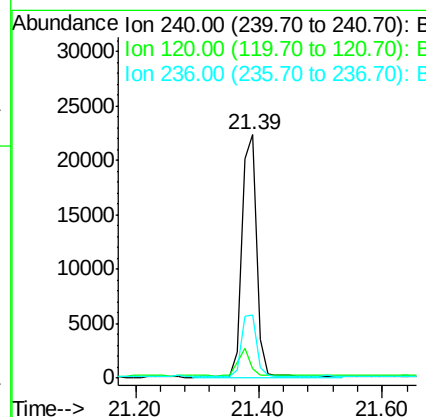
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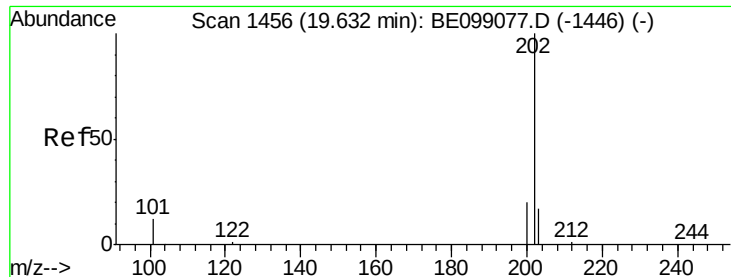
Sohil
 3/25/2019 12:37:02 PM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: BE099113.D
 Acq: 23 Mar 2019 15:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.9	5.0	7.4#
236	26.1	22.7	34.1





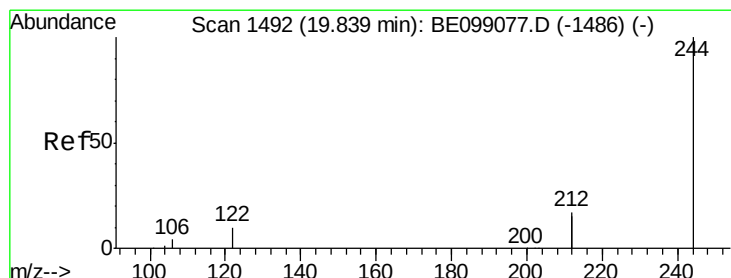
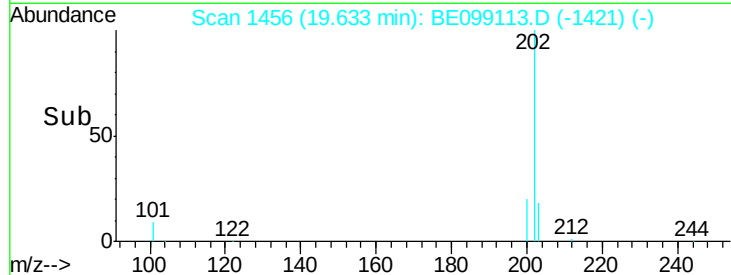
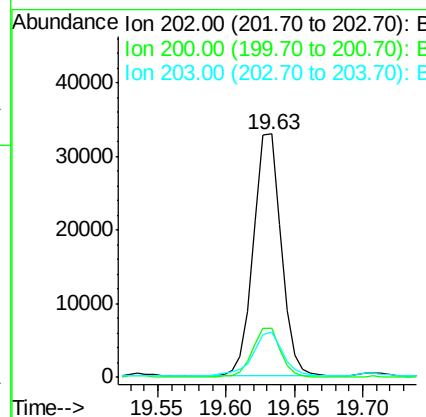
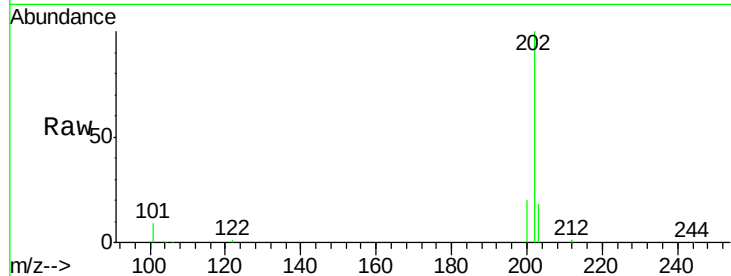
#28
Pvrene
Concen: 0.379 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE099113.D
Acq: 23 Mar 2019 15:48

Instrument :
BNA_E
ClientSampleId :
PST-026-SW074-031919

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.6
203	20.1	14.2	21.2

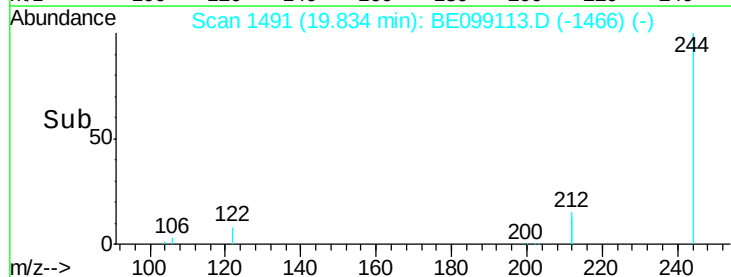
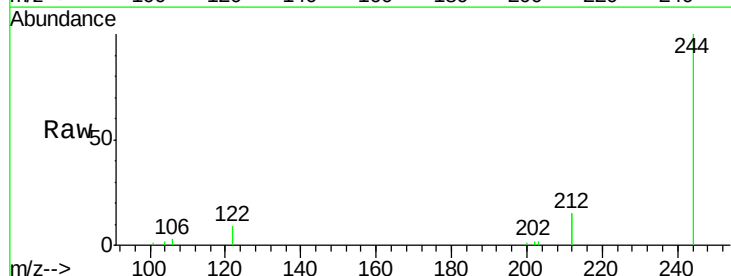
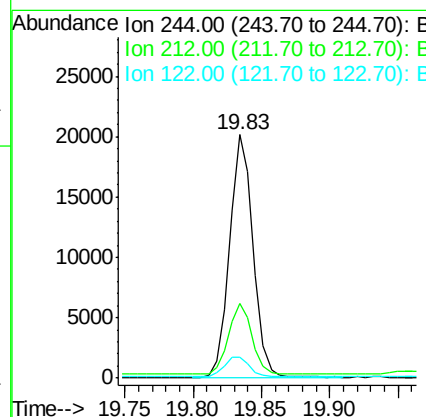
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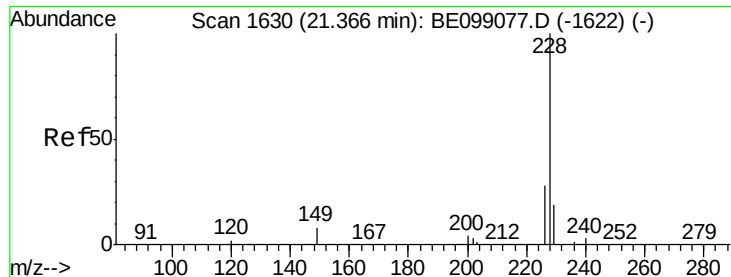
Sohil
3/25/2019 12:37:02 PM



#29
Terphenyl-d14
Concen: 0.319 ng
RT: 19.83 min Scan# 1491
Delta R.T. -0.00 min
Lab File: BE099113.D
Acq: 23 Mar 2019 15:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	30.6	29.4	44.2
122	8.7	7.1	10.7





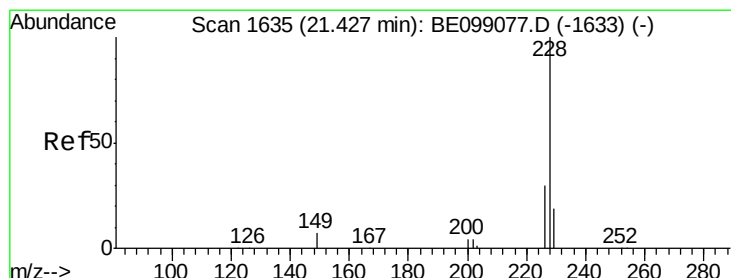
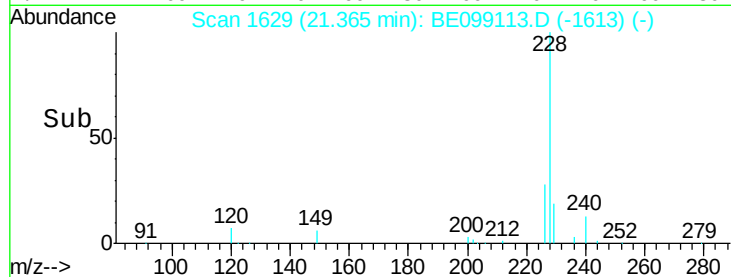
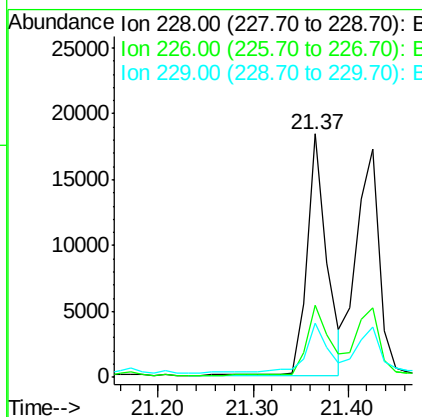
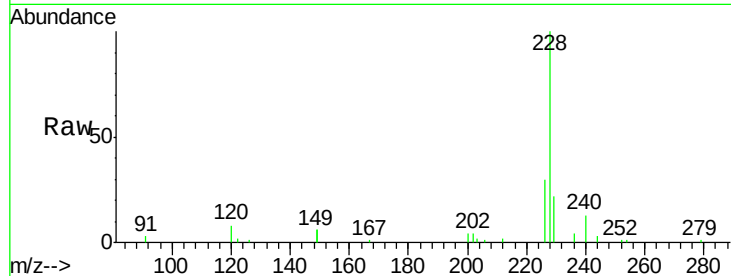
#30
Benzo(a)anthracene
Concen: 0.209 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099113.D
Acq: 23 Mar 2019 15:48

Instrument :
BNA_E
ClientSampleId :
PST-026-SW074-031919

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.0	34.4
229	22.5	16.5	24.7

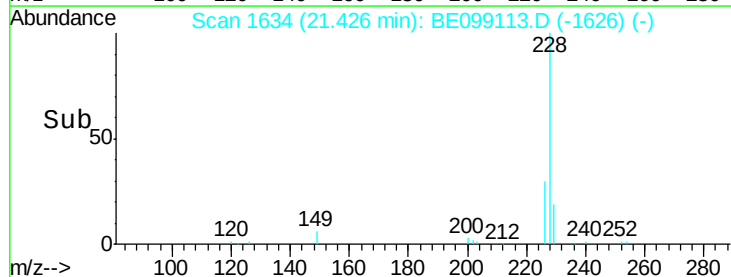
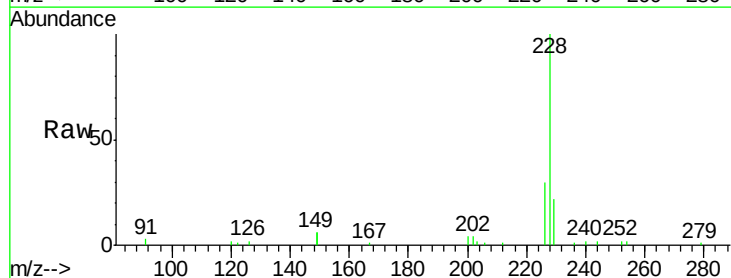
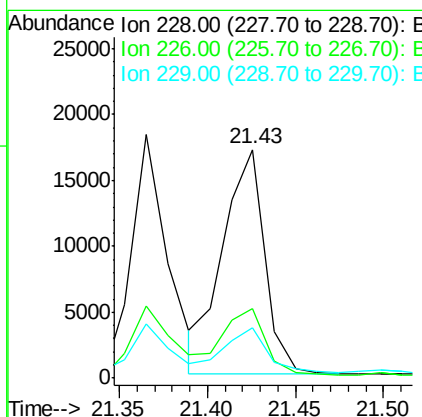
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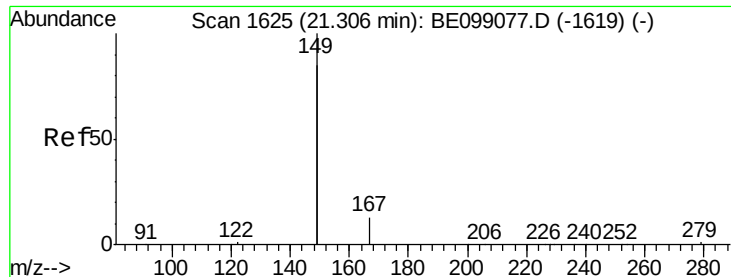
Sohil
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#31
Chrysene
Concen: 0.224 ng
RT: 21.43 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE099113.D
Acq: 23 Mar 2019 15:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.7	35.5
229	22.2	16.1	24.1





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.103 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE099113.D

Acq: 23 Mar 2019 15:48

Instrument :

BNA_E

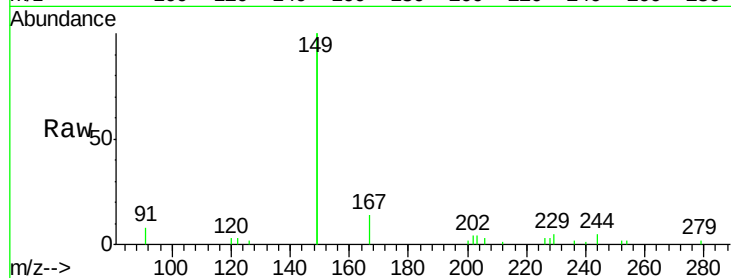
ClientSampleId :

PST-026-SW074-031919

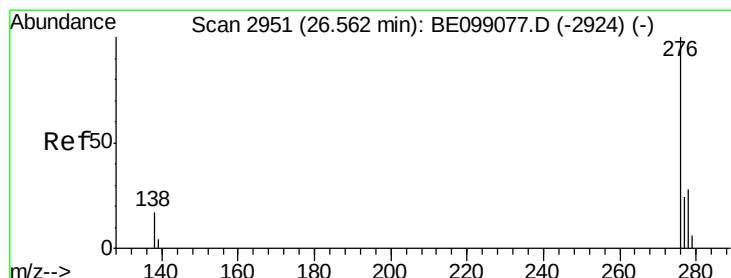
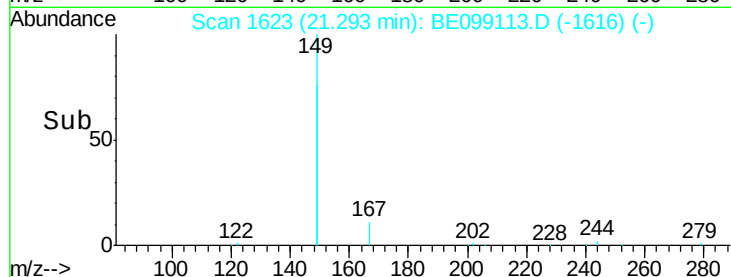
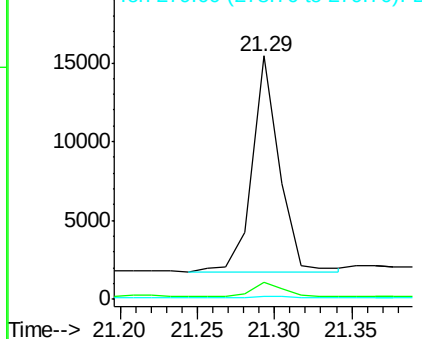
Tot Ion:	149	Resp:	16936
Ion Ratio	Lower	Upper	
149	100		
167	6.7	5.4	8.0
279	1.0	1.0	1.4

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.093 ng

RT: 26.54 min Scan# 2945

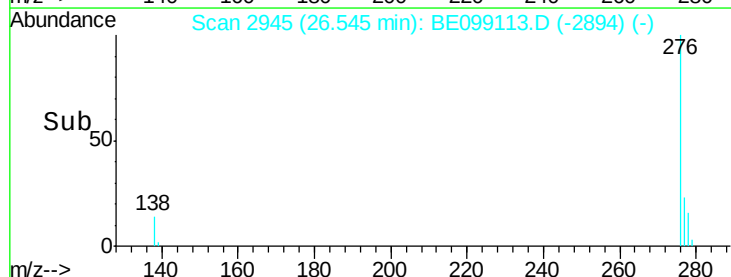
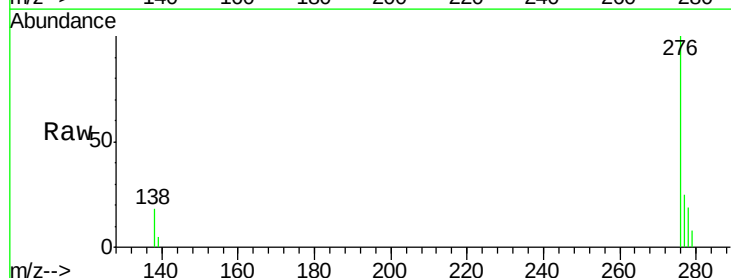
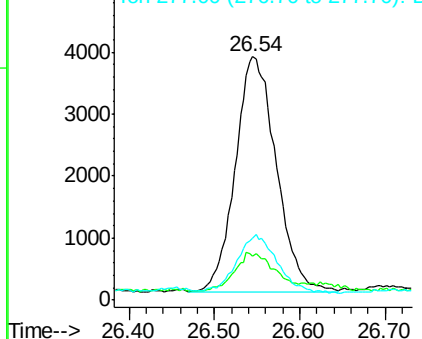
Delta R.T. -0.02 min

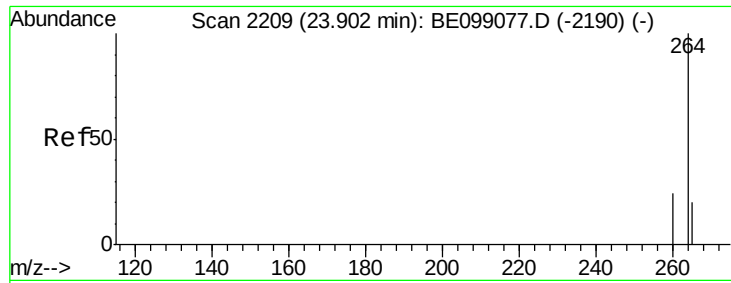
Lab File: BE099113.D

Acq: 23 Mar 2019 15:48

Tgt Ion:	276	Resp:	12603
Ion Ratio	Lower	Upper	
276	100		
138	16.1	13.8	20.8
277	24.6	19.5	29.3

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





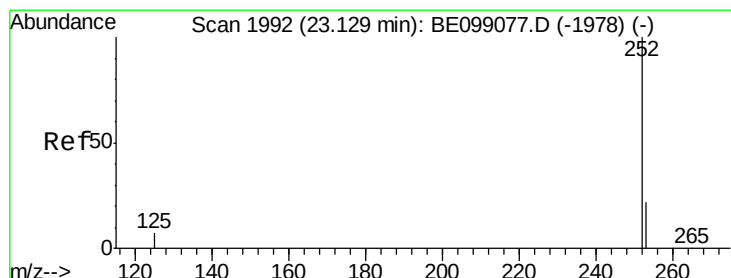
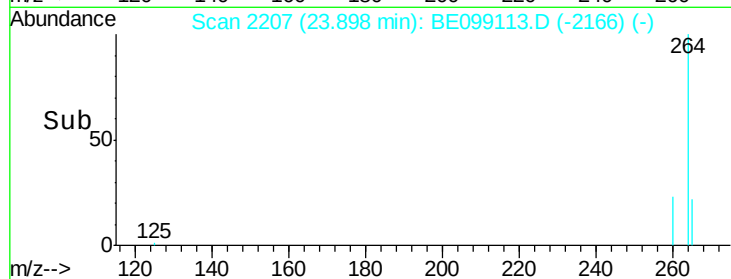
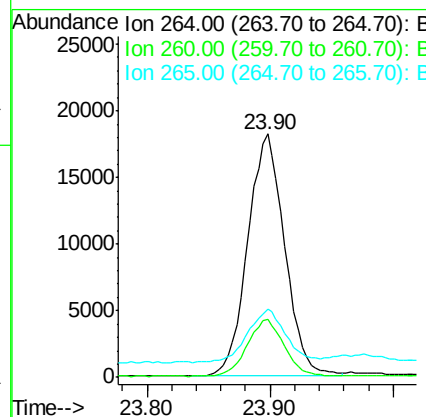
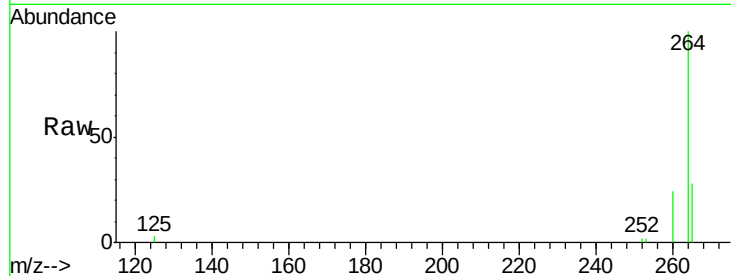
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE099113.D
 Acq: 23 Mar 2019 15:48

Instrument :
 BNA_E
 ClientSampleId :
 PST-026-SW074-031919

Tot Ion:	264	Resp:	37710
Ion Ratio	Lower	Upper	
264	100		
260	23.6	21.2	31.8
265	27.8	24.6	36.8

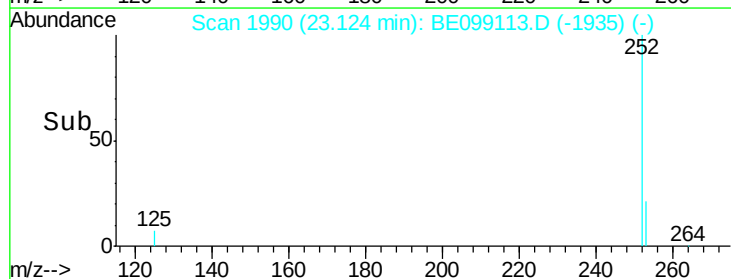
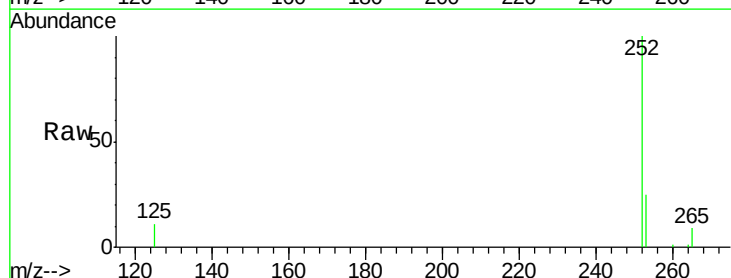
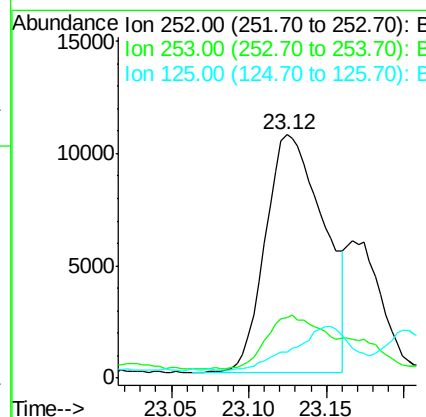
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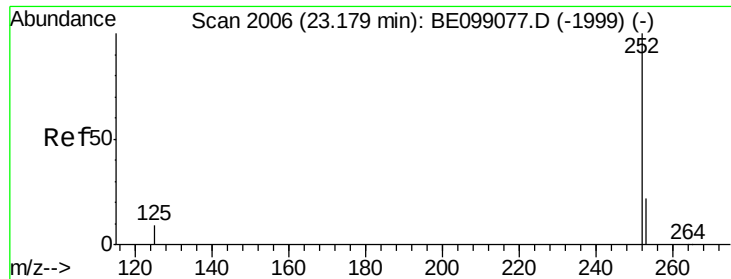
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#35
 Benzo(b)fluoranthene
 Concen: 0.212 ng
 RT: 23.12 min Scan# 1990
 Delta R.T. -0.00 min
 Lab File: BE099113.D
 Acq: 23 Mar 2019 15:48

Tgt Ion:	252	Resp:	27695
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.2	27.2
125	10.9	7.3	10.9





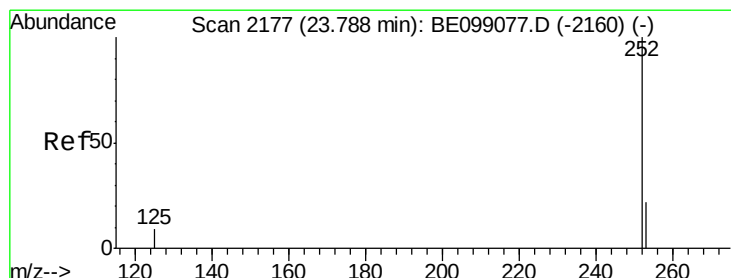
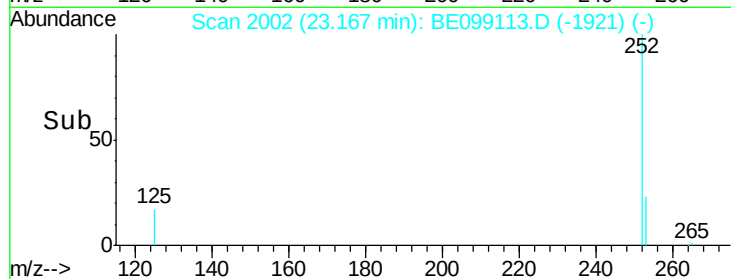
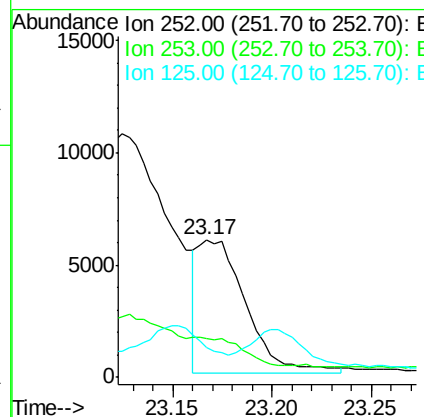
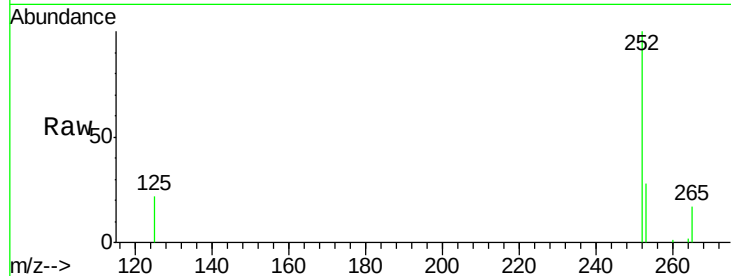
#36
Benzo(k)fluoranthene
Concen: 0.076 ng m
RT: 23.17 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BE099113.D
Acq: 23 Mar 2019 15:48

Instrument :
BNA_E
ClientSampleId :
PST-026-SW074-031919

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.5	19.3	28.9
125	22.1	7.5	11.3

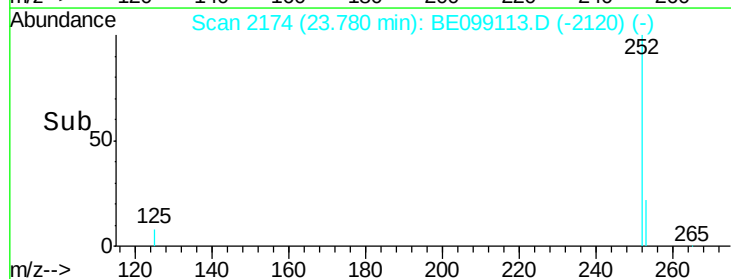
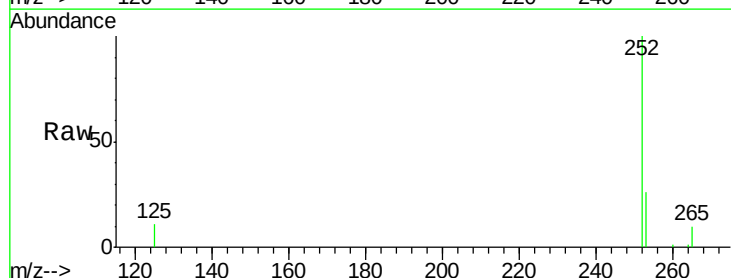
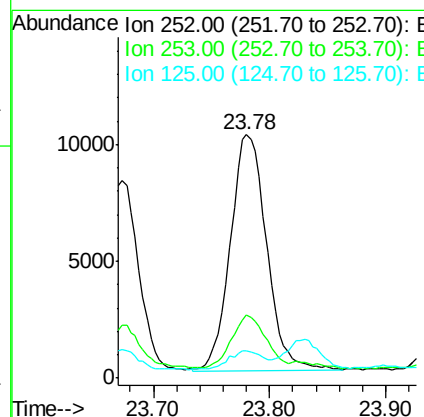
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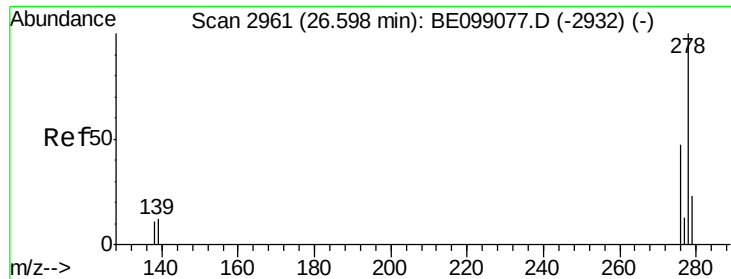
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#37
Benzo(a)pyrene
Concen: 0.180 ng
RT: 23.78 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BE099113.D
Acq: 23 Mar 2019 15:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	19.9	29.9
125	11.2	9.0	13.4





#38

Dibenzo(a,h)anthracene

Concen: 0.030 ng

RT: 26.57 min Scan# 2952

Delta R.T. -0.03 min

Lab File: BE099113.D

Acq: 23 Mar 2019 15:48

Instrument :

BNA_E

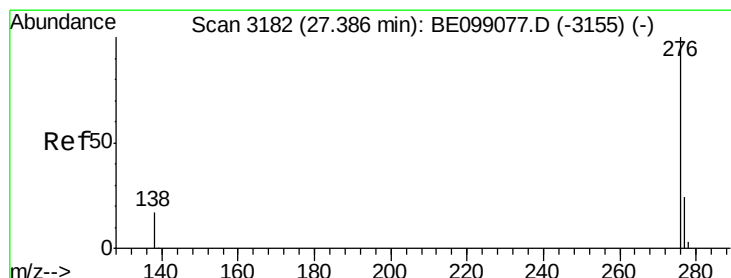
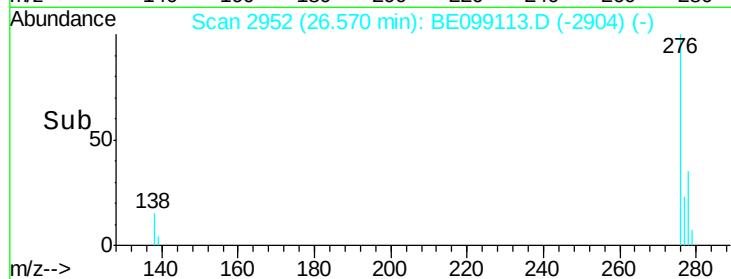
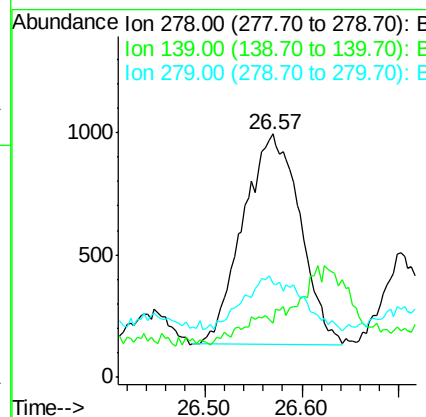
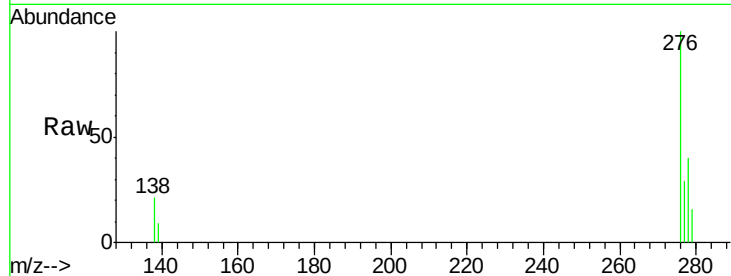
ClientSampleId :

PST-026-SW074-031919

Tot Ion:	278	Resp:	3501
Ion Ratio	Lower	Upper	
278	100		
139	22.2	11.8	17.6#
279	38.7	21.1	31.7#

Manual Integrations
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3/25/2019 12:37:02 PM



#39

Benzo(g,h,i)perylene

Concen: 0.119 ng

RT: 27.37 min Scan# 3176

Delta R.T. -0.02 min

Lab File: BE099113.D

Acq: 23 Mar 2019 15:48

Tgt Ion:	276	Resp:	14292
Ion Ratio	Lower	Upper	
276	100		
277	26.6	20.4	30.6
138	18.8	13.6	20.4

