

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099092.D
 Acq On : 22 Mar 2019 22:41
 Operator : JU/SJ
 Sample : K1948-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW047-031319

Manual Integrations
 APPROVED

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 3/25/2019 12:12:06 PM

Quant Time: Mar 23 01:36:51 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 00:46:37 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3314	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	12788	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	8714	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	24258	0.40	ng	0.00
27) Chrysene-d12	21.39	240	35365	0.40	ng	0.00
34) Perylene-d12	23.90	264	39818	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	3497	0.35	ng	0.00
5) Phenol-d6	6.99	99	5063	0.36	ng	0.00
8) Nitrobenzene-d5	8.99	82	3029m	0.54	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	7327	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1161	0.45	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	10267	0.30	ng	0.00
25) Fluoranthene-d10	19.24	212	105387	0.33	ng	0.00
29) Terphenyl-d14	19.84	244	17756	0.24	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.25	178	3611	0.050	ng	95
26) Fluoranthene	19.27	202	6355	0.063	ng	# 92
28) Pyrene	19.63	202	8501	0.071	ng	97
30) Benzo(a)anthracene	21.37	228	4044m	0.032	ng	
31) Chrysene	21.43	228	5178	0.042	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.31	149	28896	0.179	ng	99
33) Indeno(1,2,3-cd)pyrene	26.56	276	2707	0.020	ng	# 86
35) Benzo(b)fluoranthene	23.13	252	5363	0.039	ng	# 66
36) Benzo(k)fluoranthene	23.17	252	2731m	0.020	ng	
37) Benzo(a)pyrene	23.79	252	4023	0.032	ng	# 73
39) Benzo(g,h,i)perylene	27.38	276	2824	0.022	ng	# 80

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

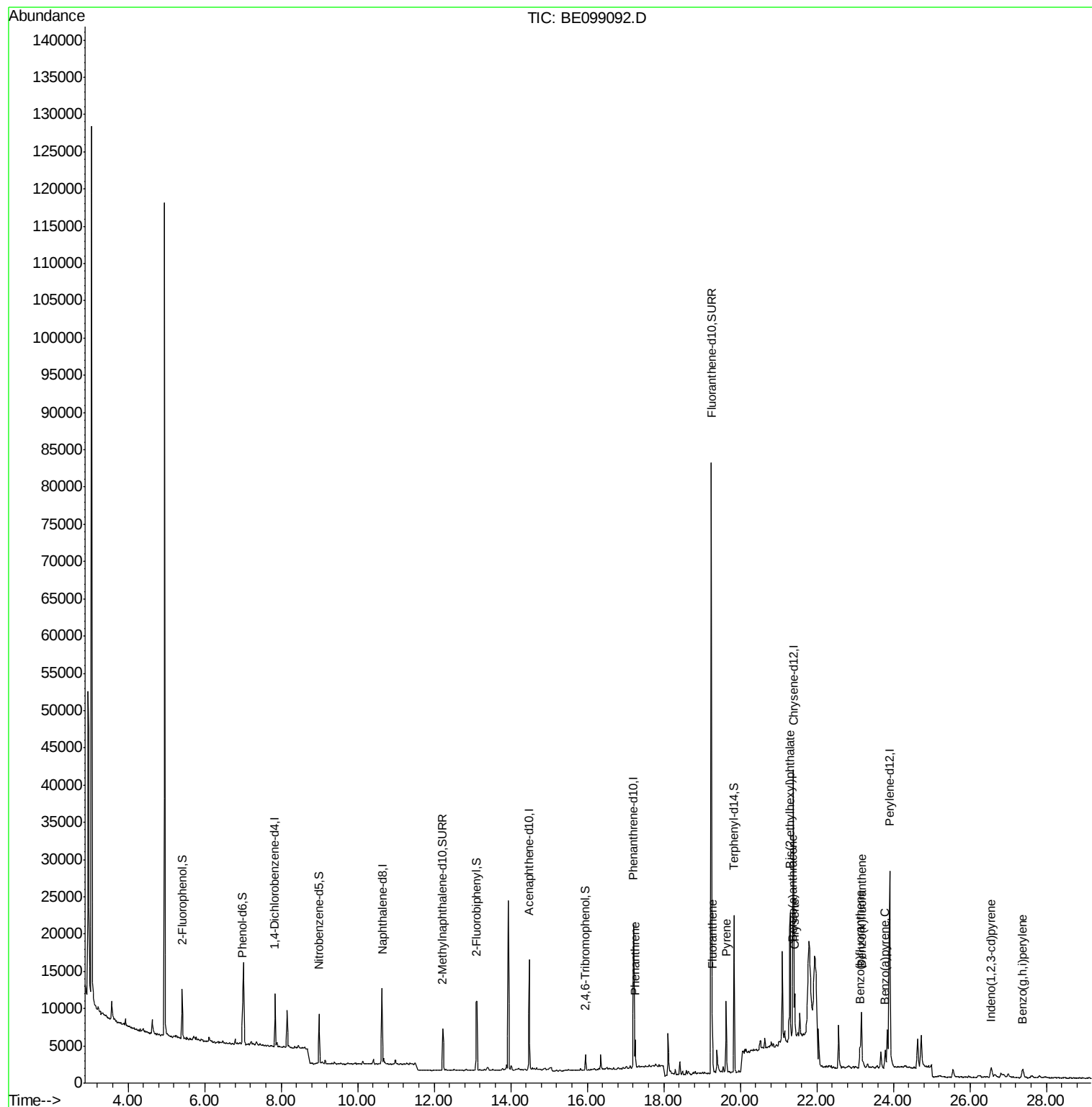
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
Data File : BE099092.D
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Operator : JU/SJ
Sample : K1948-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

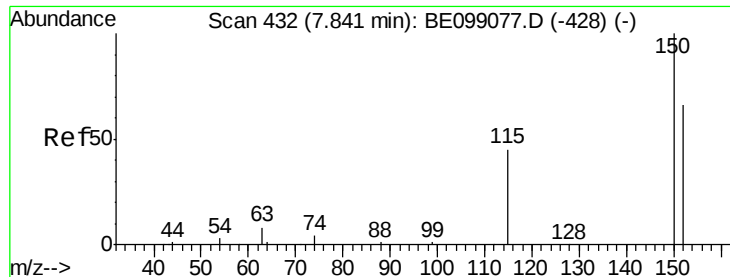
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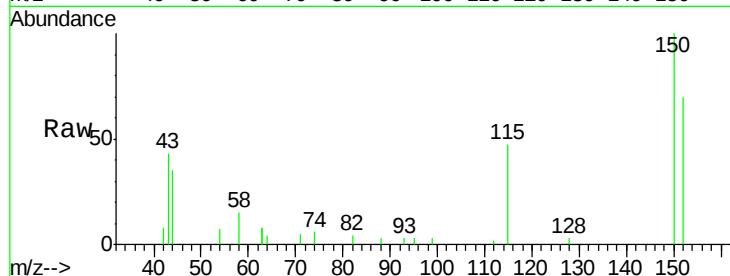




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099092.D
Acq: 22 Mar 2019 22:41

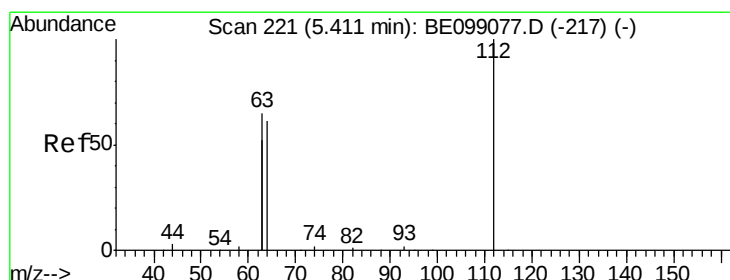
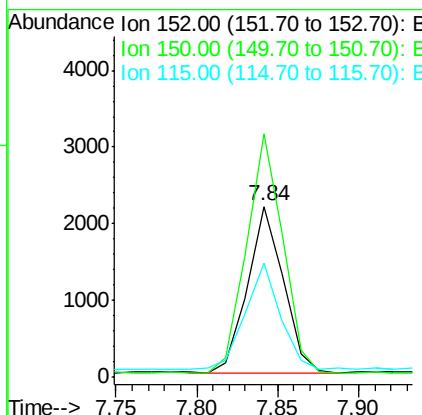
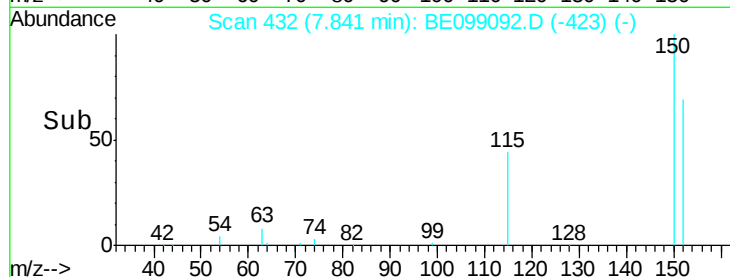
Instrument :
BNA_E
ClientSampleId :
PST-025-SW047-031319



Tgt Ion	Ratio	Lower	Upper
152	100		
150	142.6	122.5	183.7
115	67.2	57.4	86.2

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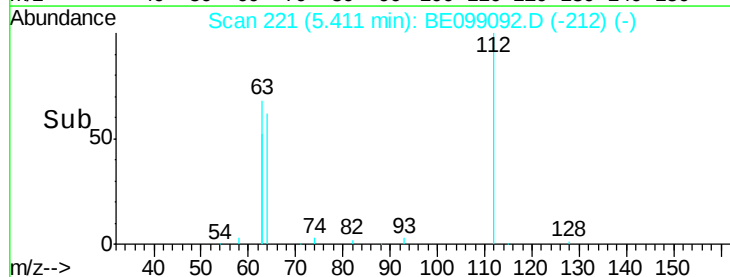
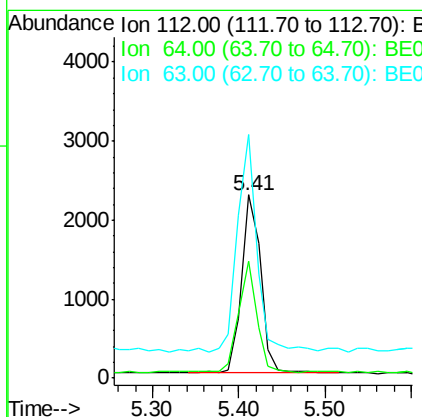
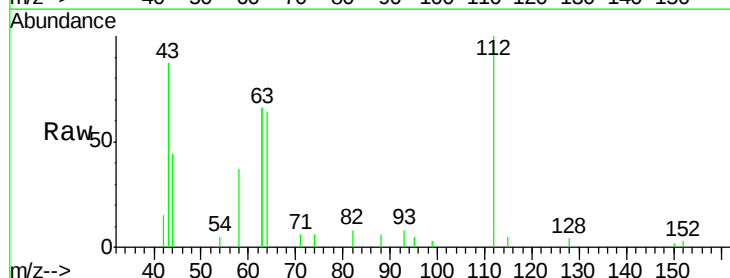
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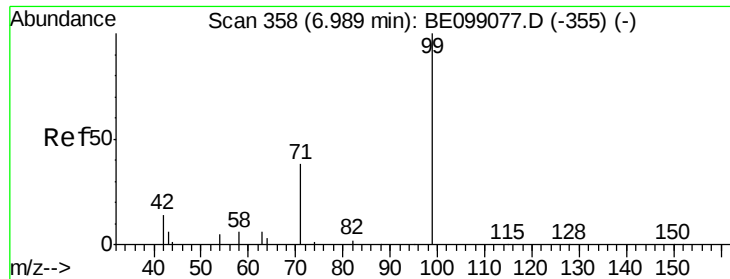


#4

2-Fluorophenol
Concen: 0.354 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.00 min
Lab File: BE099092.D
Acq: 22 Mar 2019 22:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	57.9	86.9#
63	119.4	158.3	237.5#





#5

Phenol-d6

Concen: 0.356 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

Instrument :

BNA_E

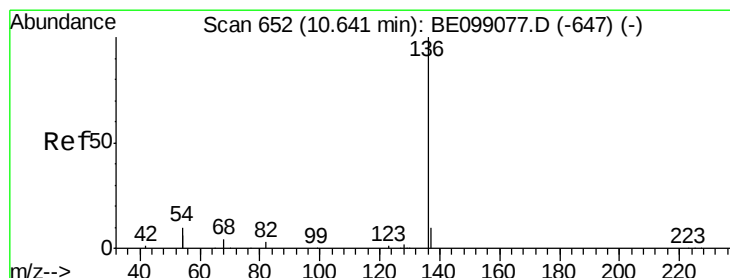
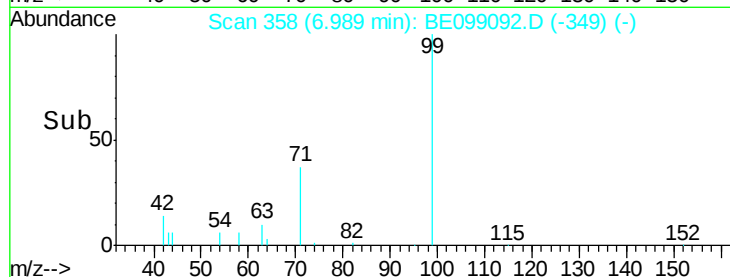
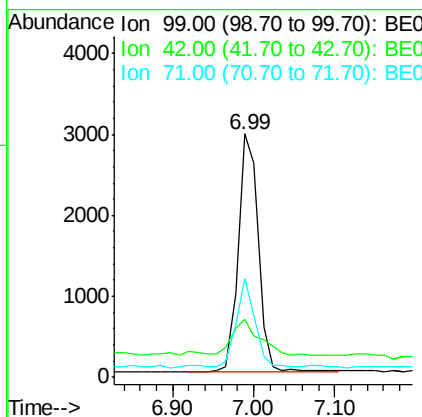
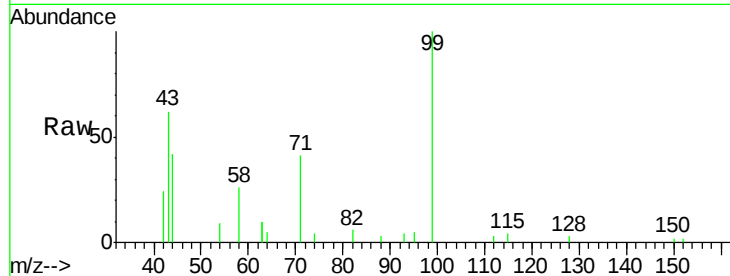
ClientSampleId :

PST-025-SW047-031319

Tgt Ion:	99	Resp:	5063
Ion Ratio	Lower	Upper	
99	100		
42	21.1	24.2	36.2#
71	34.4	35.7	53.5#

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#7

Naphthalene-d8

Concen: 0.400 ng

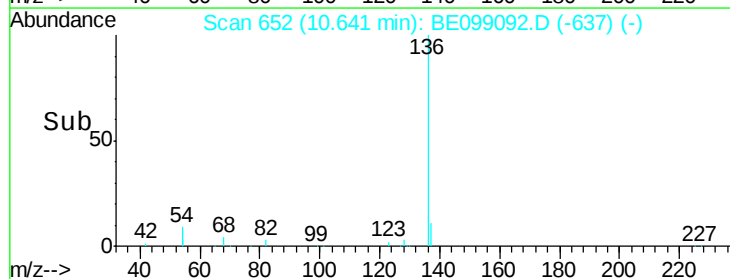
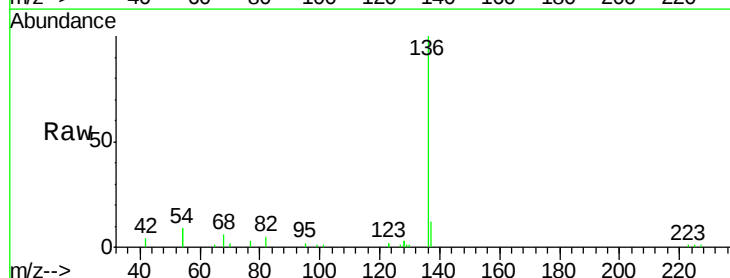
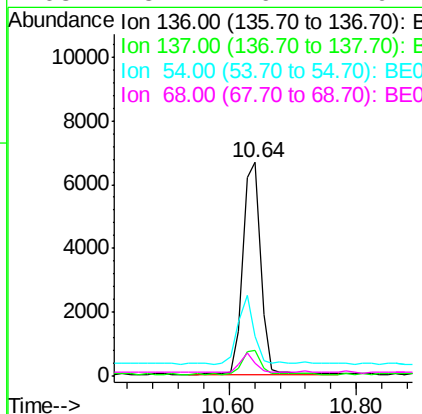
RT: 10.64 min Scan# 652

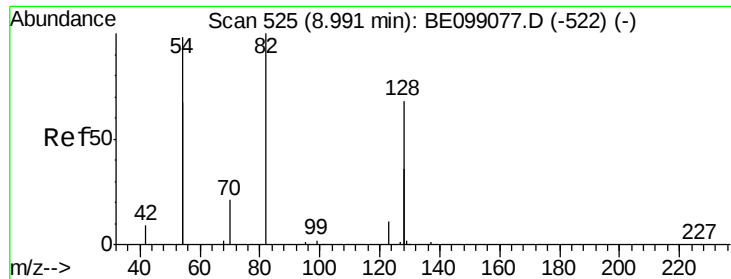
Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

Tgt Ion:	136	Resp:	12788
Ion Ratio	Lower	Upper	
136	100		
137	11.8	11.4	17.0
54	18.8	39.3	58.9#
68	5.7	6.7	10.1#





#8

Nitrobenzene-d5

Concen: 0.542 ng m

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

Instrument :

BNA_E

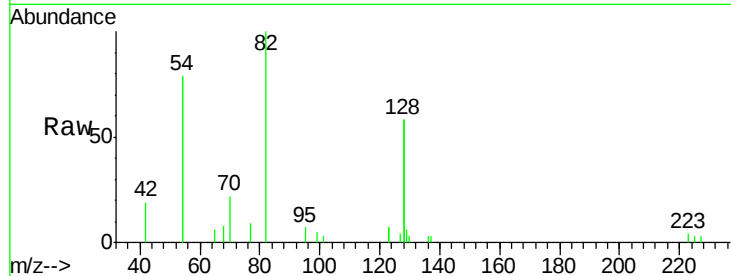
ClientSampleId :

PST-025-SW047-031319

Tgt Ion:	82	Resp:	3029
Ion Ratio	Lower	Upper	
82	100		
128	57.6	123.8	185.8#
54	78.6	203.4	305.2#

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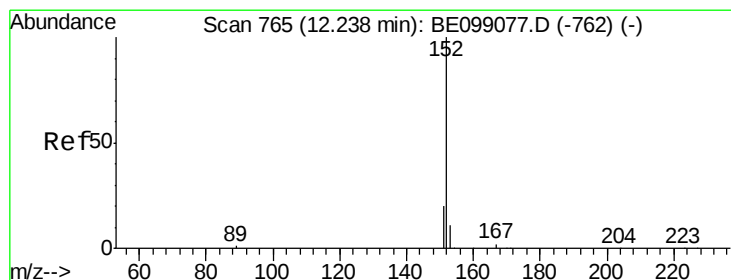
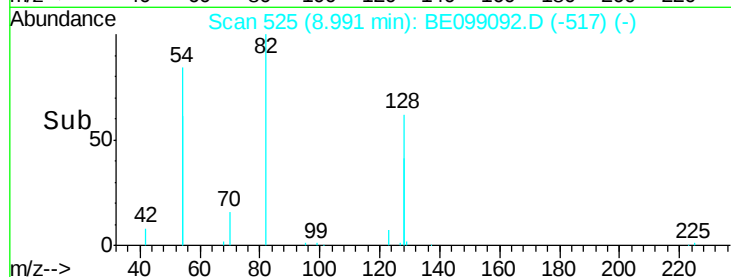
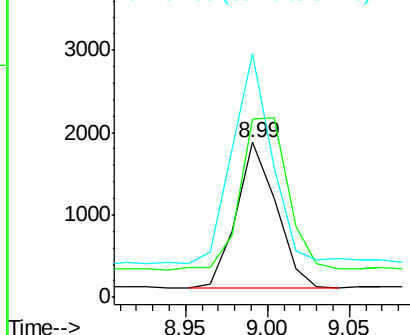
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Abundance Ion 82.00 (81.70 to 82.70): BE099077.D (-522) (-)

Ion 128.00 (127.70 to 128.70): BE099077.D (-522) (-)

Ion 54.00 (53.70 to 54.70): BE099077.D (-522) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.318 ng

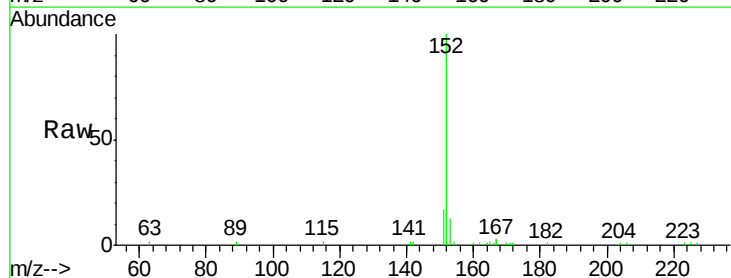
RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099092.D

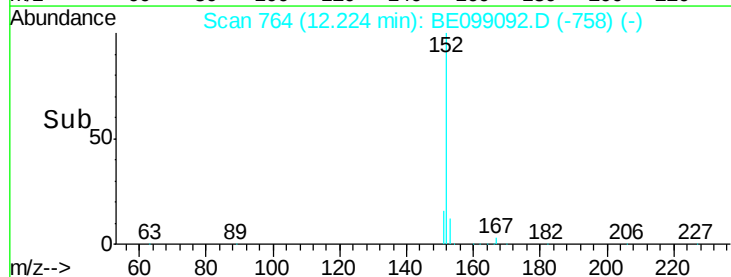
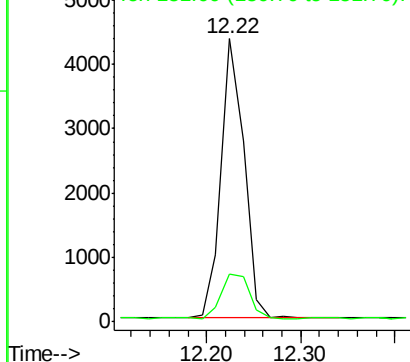
Acq: 22 Mar 2019 22:41

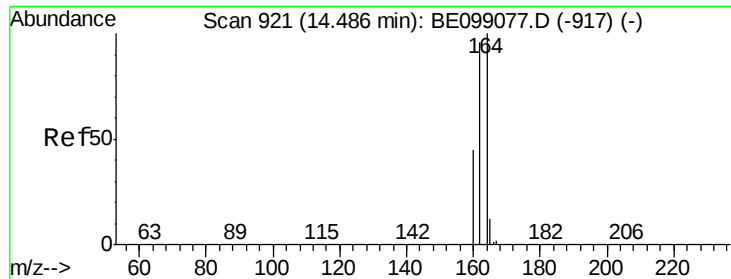
Tgt Ion:	152	Resp:	7327
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.5	24.7



Abundance Ion 152.00 (151.70 to 152.70): BE099077.D (-762) (-)

Ion 151.00 (150.70 to 151.70): BE099077.D (-762) (-)





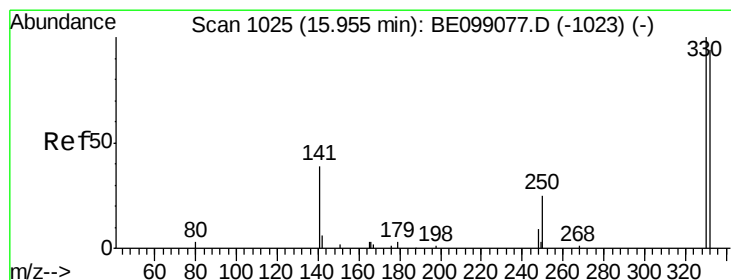
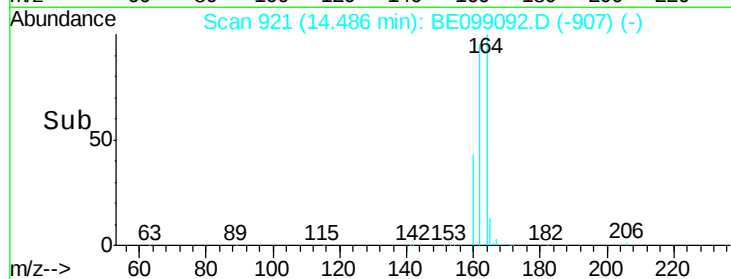
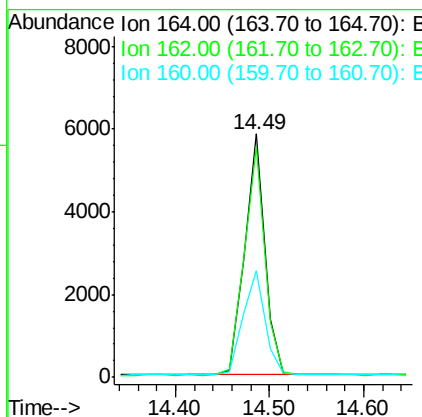
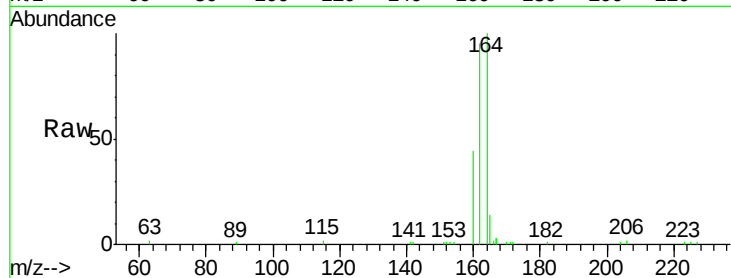
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099092.D
Acq: 22 Mar 2019 22:41

Instrument :
BNA_E
ClientSampleId :
PST-025-SW047-031319

Tgt Ion:164 Resp: 8714
Ion Ratio Lower Upper
164 100
162 94.8 80.2 120.2
160 43.5 37.8 56.8

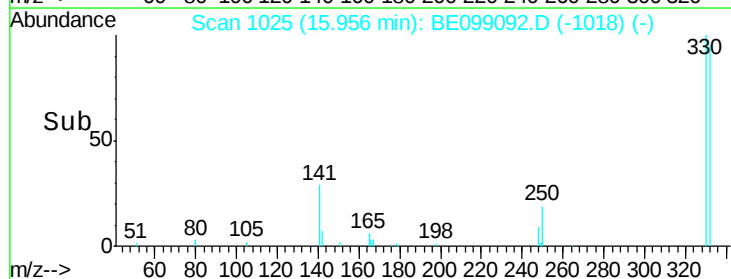
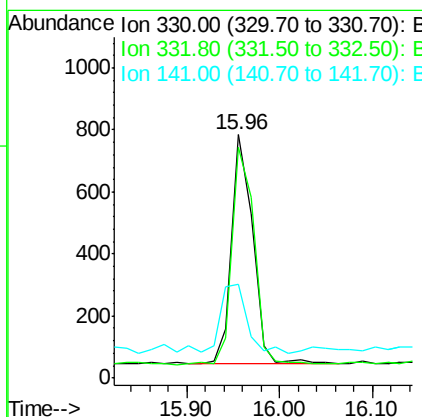
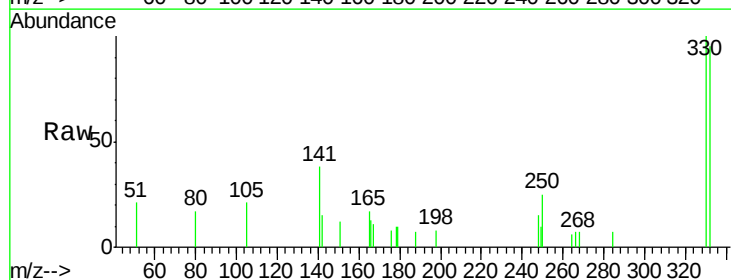
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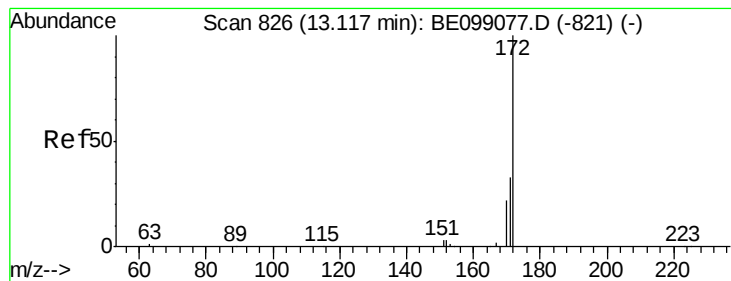
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#14
2,4,6-Tribromophenol
Concen: 0.453 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099092.D
Acq: 22 Mar 2019 22:41

Tgt Ion:330 Resp: 1161
Ion Ratio Lower Upper
330 100
332 98.4 77.6 116.4
141 37.5 31.0 46.4





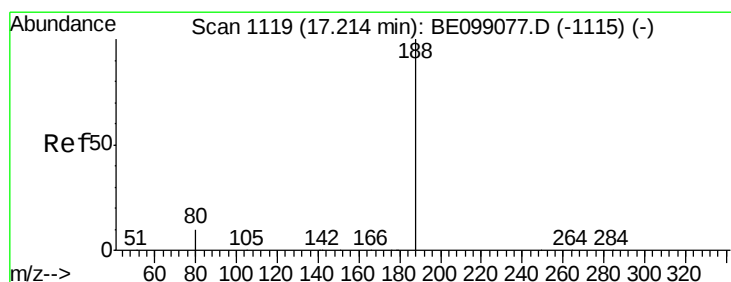
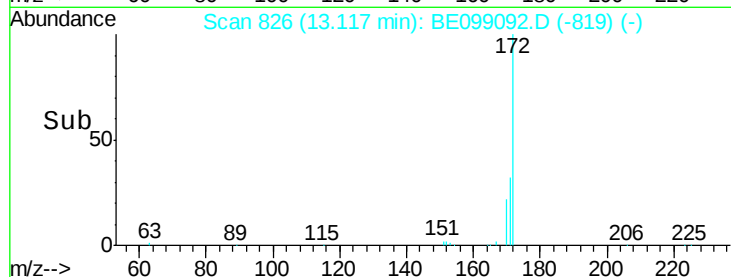
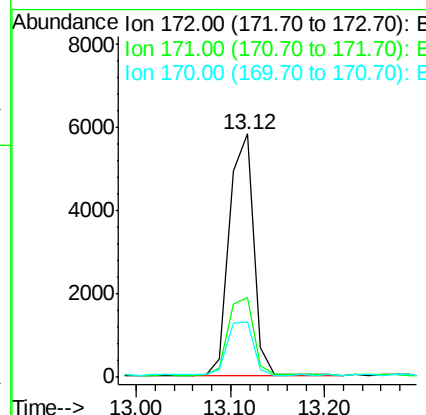
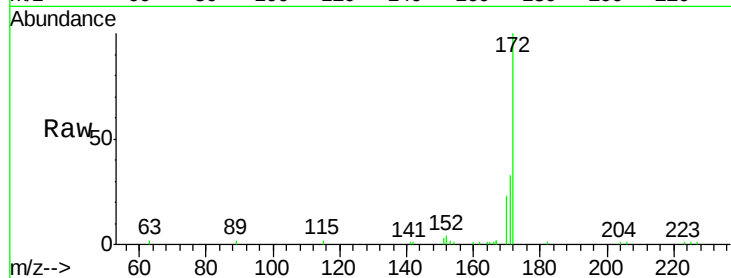
#15
2-Fluorobiphenyl
Concen: 0.296 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE099092.D
Acq: 22 Mar 2019 22:41

Instrument :
BNA_E
ClientSampleId :
PST-025-SW047-031319

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.9	28.0	42.0
170	22.9	17.7	26.5

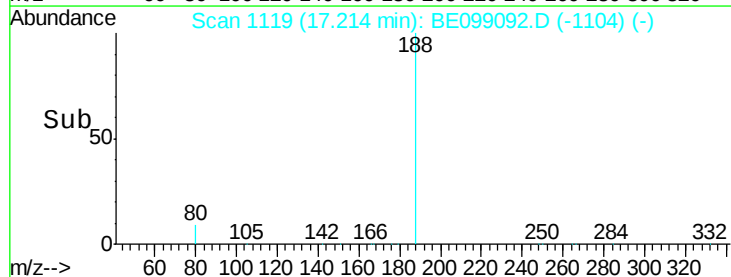
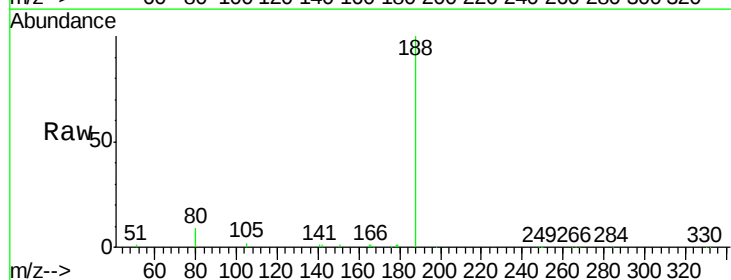
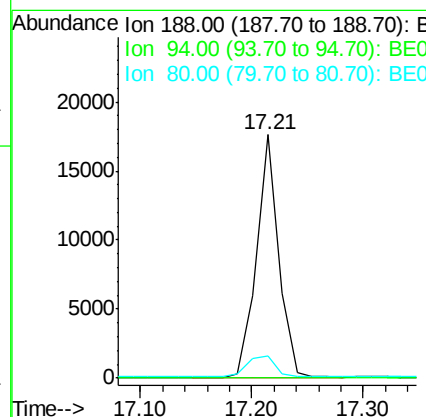
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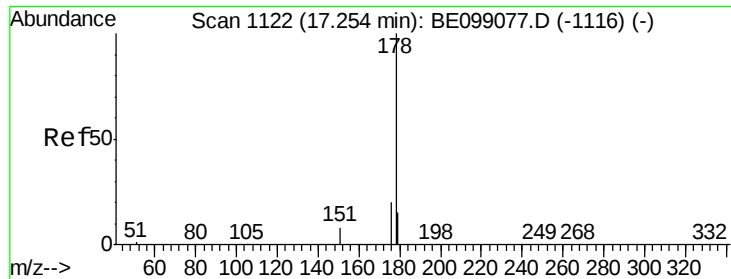
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099092.D
Acq: 22 Mar 2019 22:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.3	6.3	9.5





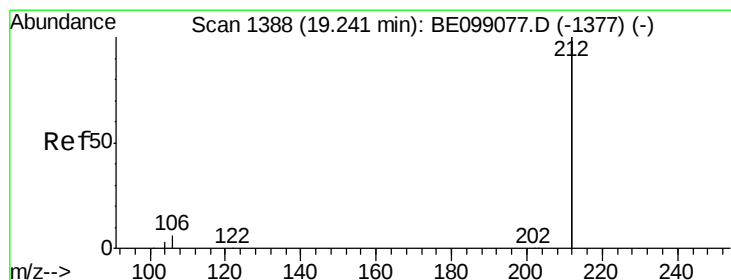
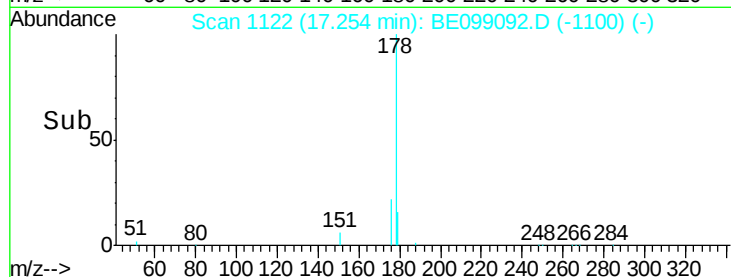
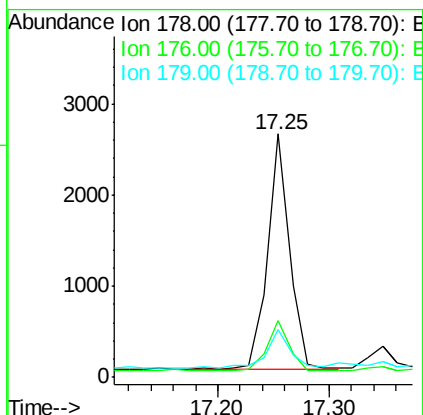
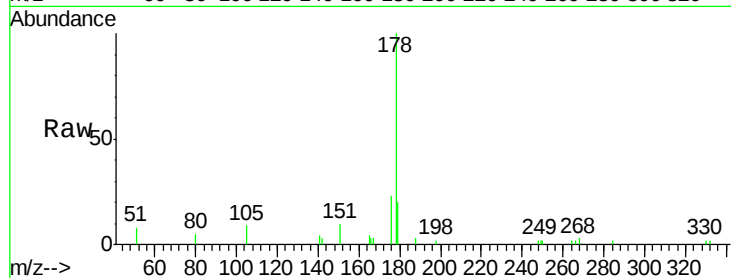
#23
Phenanthrene
Concen: 0.050 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099092.D
Acq: 22 Mar 2019 22:41

Instrument :
BNA_E
ClientSampleId :
PST-025-SW047-031319

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.0	16.0	24.0
179	17.1	12.1	18.1

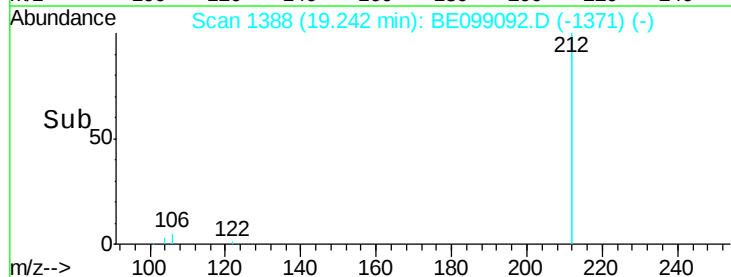
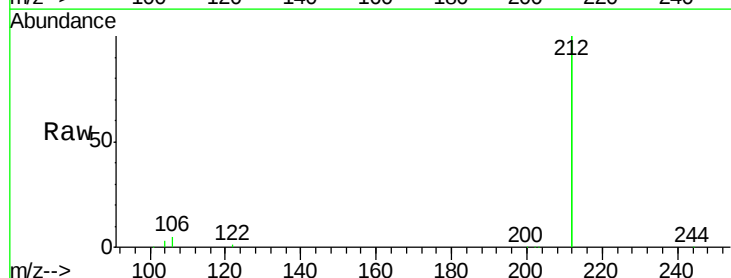
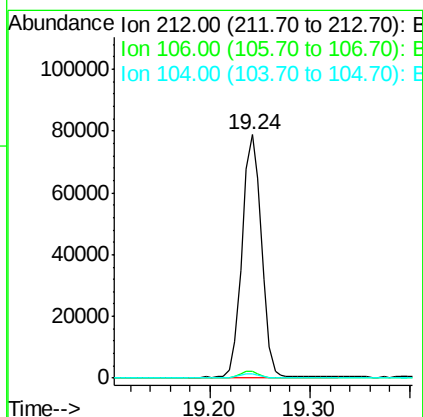
Manual Integrations
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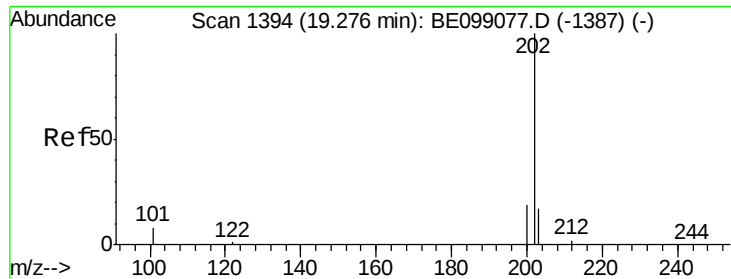
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#25
Fluoranthene-d10
Concen: 0.326 ng
RT: 19.24 min Scan# 1388
Delta R.T. 0.00 min
Lab File: BE099092.D
Acq: 22 Mar 2019 22:41

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





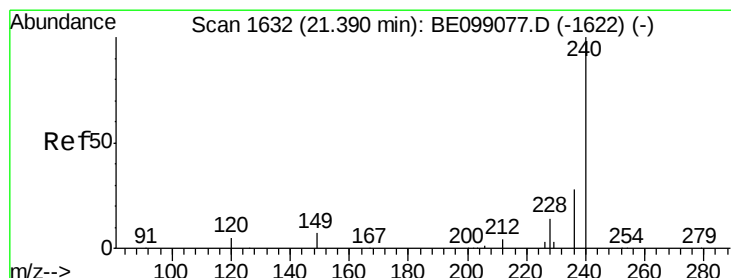
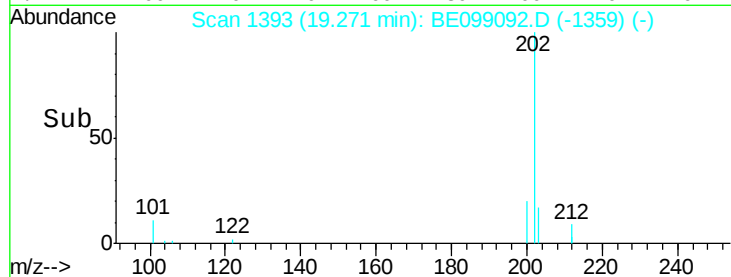
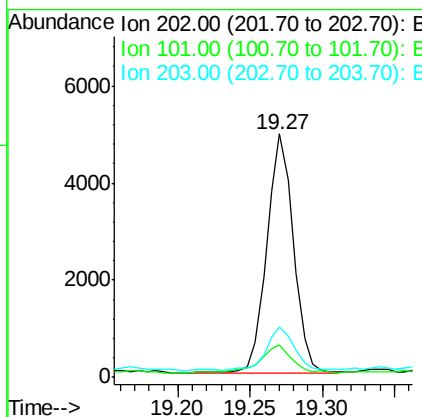
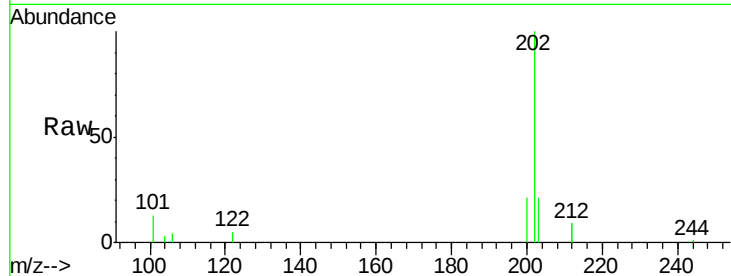
#26
 Fluoranthene
 Concen: 0.063 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BE099092.D
 Acq: 22 Mar 2019 22:41

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW047-031319

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.3	7.3	10.9#
203	18.5	13.4	20.2

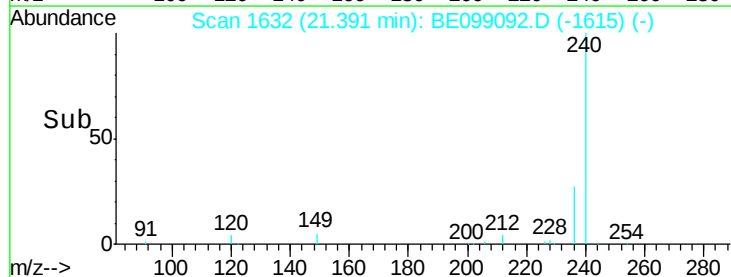
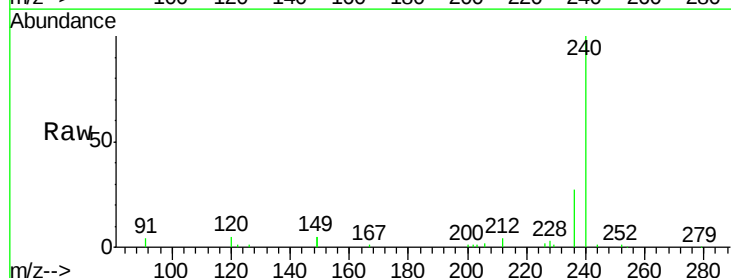
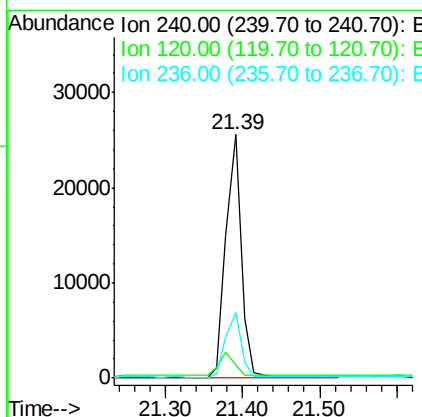
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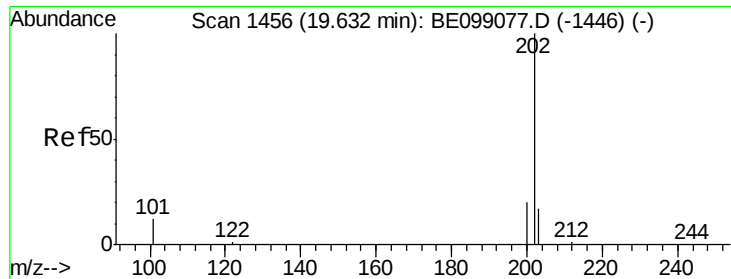
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. 0.00 min
 Lab File: BE099092.D
 Acq: 22 Mar 2019 22:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	5.3	5.0	7.4
236	27.1	22.7	34.1





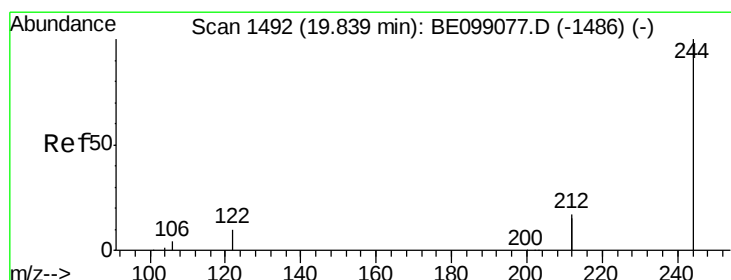
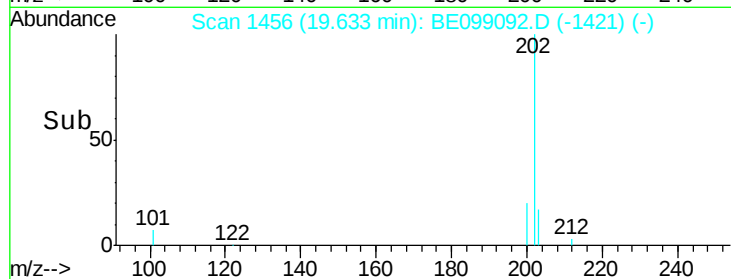
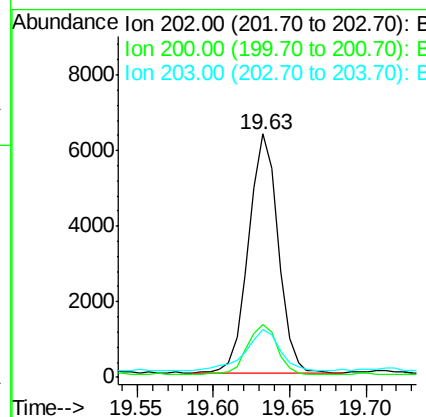
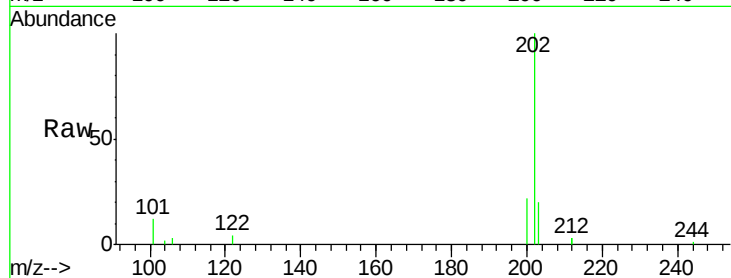
#28
Pyrene
Concen: 0.071 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE099092.D
Acq: 22 Mar 2019 22:41

Instrument :
BNA_E
ClientSampleId :
PST-025-SW047-031319

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

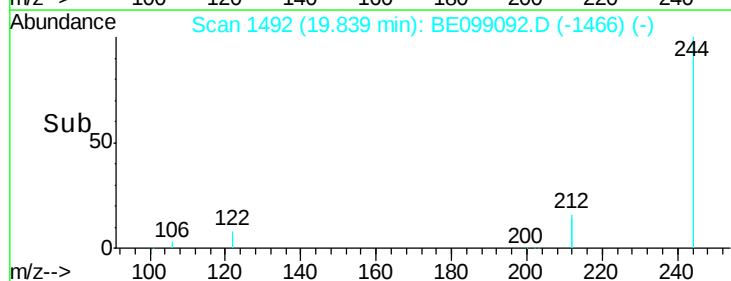
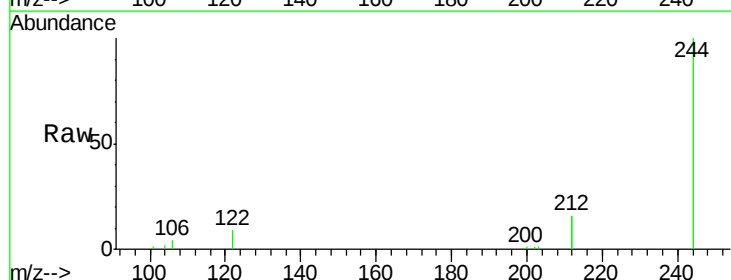
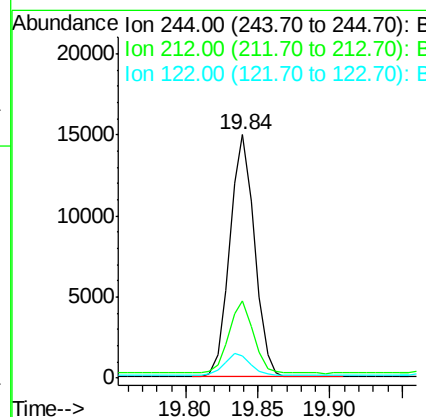
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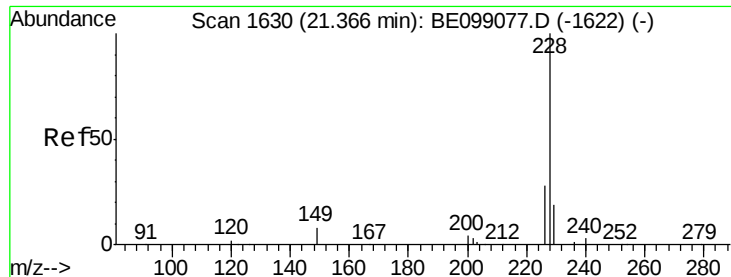
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#29
Terphenyl-d14
Concen: 0.237 ng
RT: 19.84 min Scan# 1492
Delta R.T. 0.00 min
Lab File: BE099092.D
Acq: 22 Mar 2019 22:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	31.7	29.4	44.2
122	8.9	7.1	10.7





#30

Benzo(a)anthracene

Concen: 0.032 ng m

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

Instrument :

BNA_E

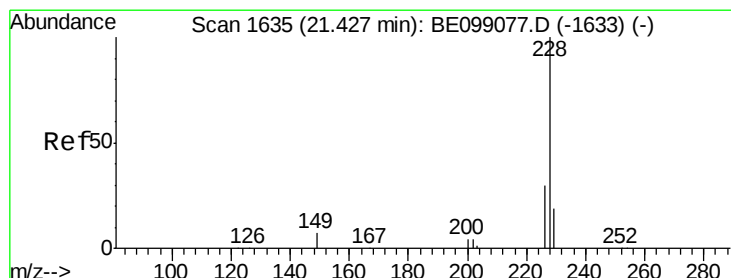
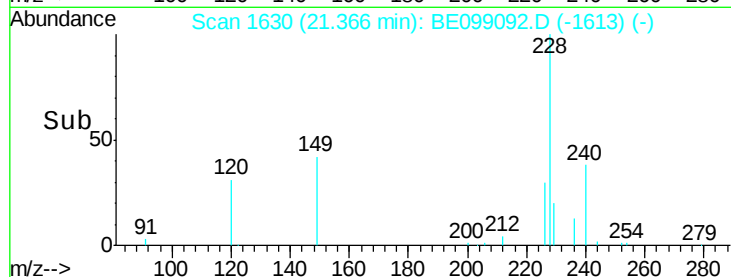
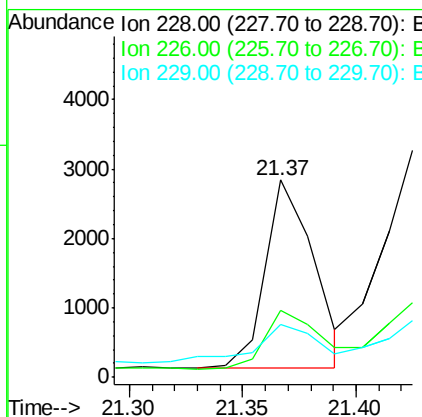
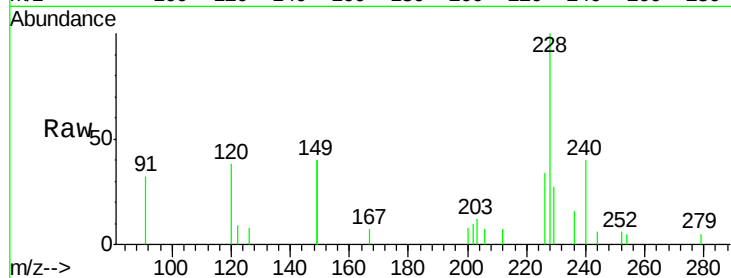
ClientSampleId :

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Tgt Ion:	228	Resp:	4044
Ion Ratio	Lower	Upper	
228	100		
226	33.9	23.0	34.4
229	27.0	16.5	24.7#

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#31

Chrysene

Concen: 0.042 ng

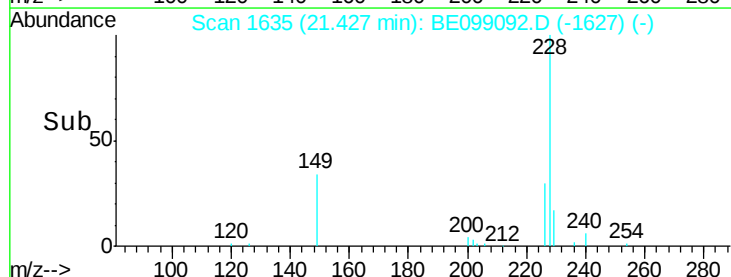
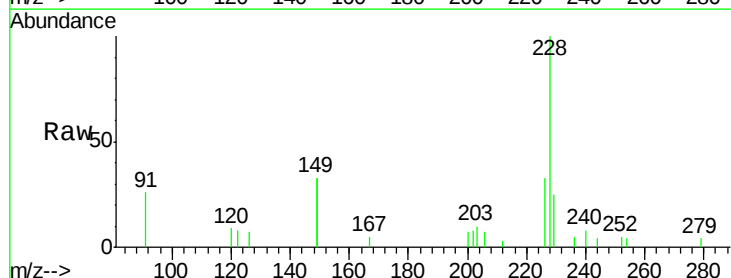
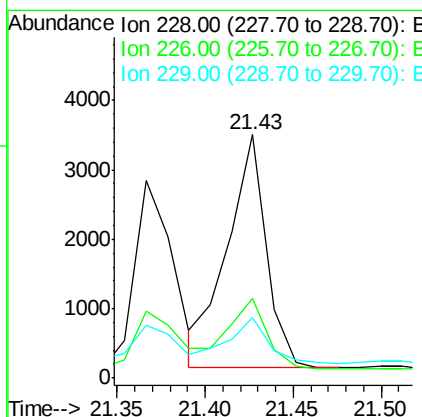
RT: 21.43 min Scan# 1635

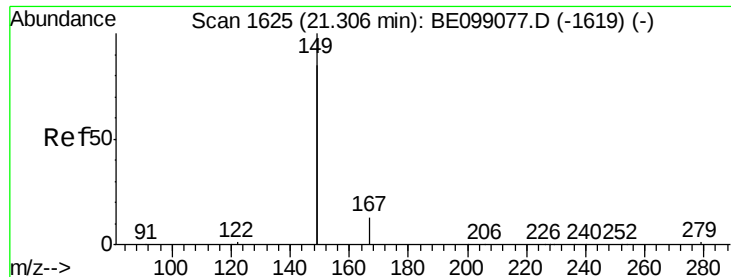
Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

Tgt Ion:	228	Resp:	5178
Ion Ratio	Lower	Upper	
228	100		
226	32.6	23.7	35.5
229	24.7	16.1	24.1#





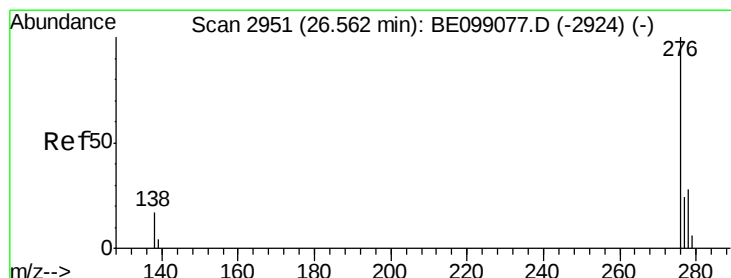
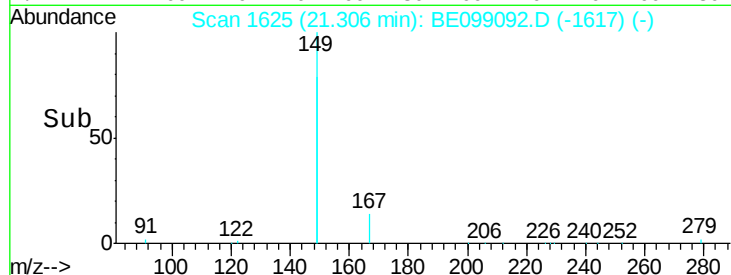
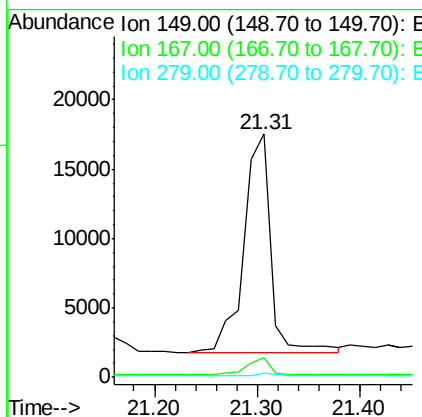
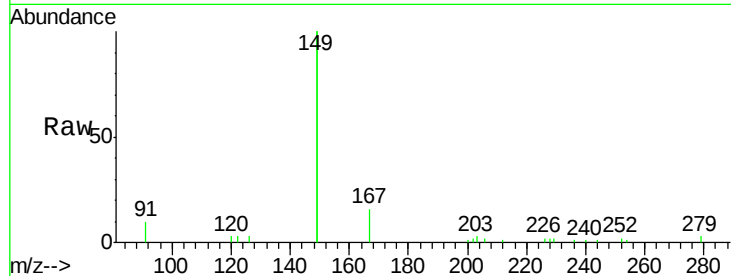
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.179 ng
 RT: 21.31 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BE099092.D
 Acq: 22 Mar 2019 22:41

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW047-031319

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	28896		
167	7.1	5.4	8.0	
279	1.0	1.0	1.4	

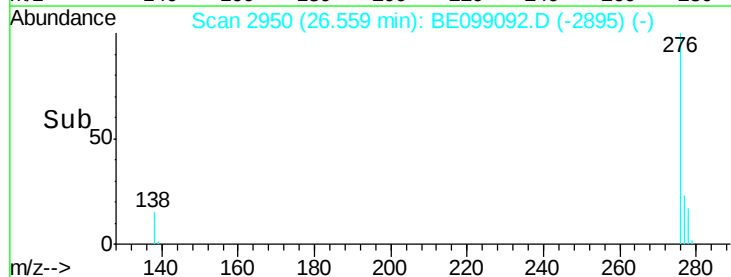
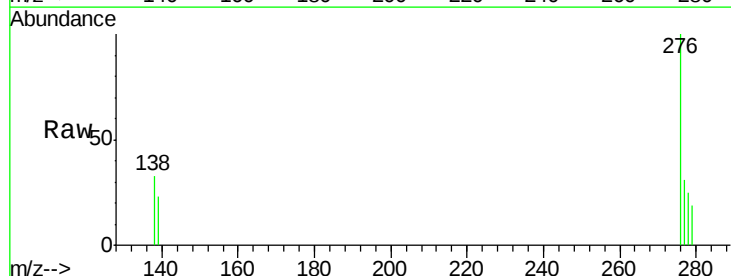
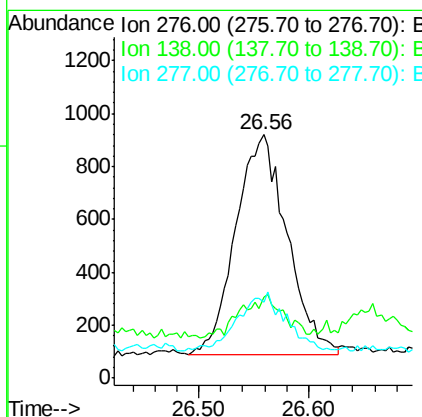
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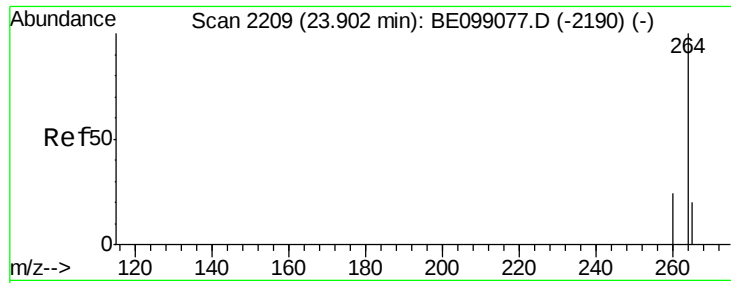
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.020 ng
 RT: 26.56 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: BE099092.D
 Acq: 22 Mar 2019 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	2707		
138	4.8	13.8	20.8#	
277	23.0	19.5	29.3	





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.90 min Scan# 2209

Delta R.T. 0.00 min

Lab File: BE099092.D

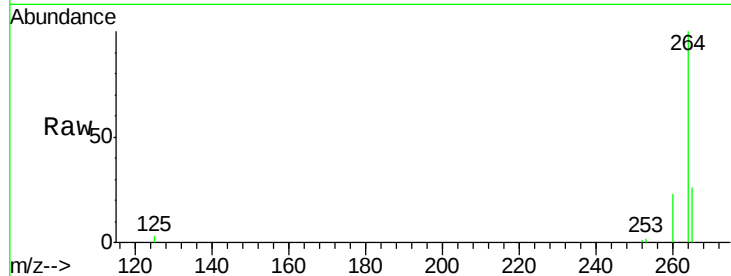
Acq: 22 Mar 2019 22:41

Instrument :

BNA_E

ClientSampleId :

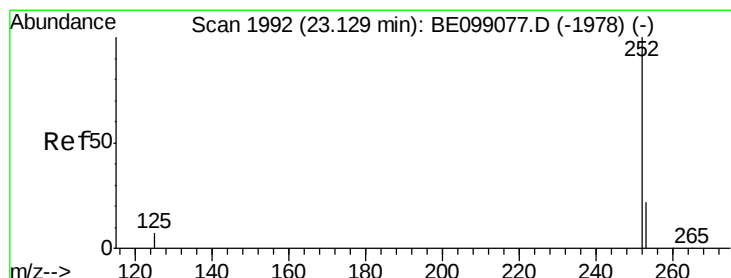
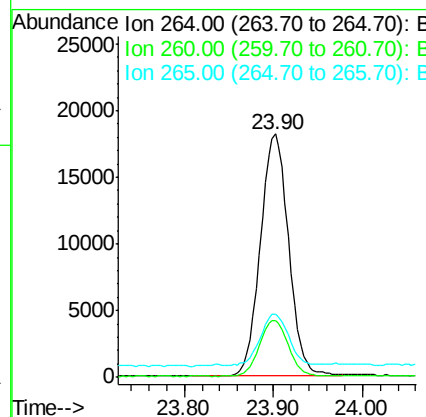
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Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	21.2	31.8
265	25.8	24.6	36.8

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#35

Benzo(b)fluoranthene

Concen: 0.039 ng

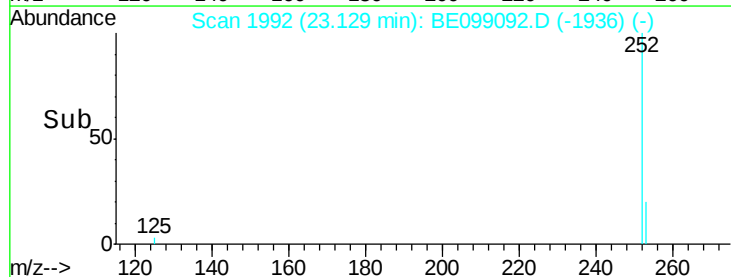
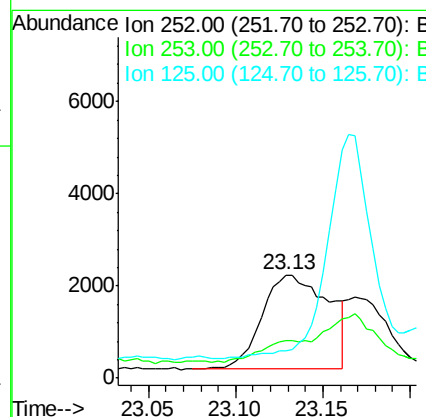
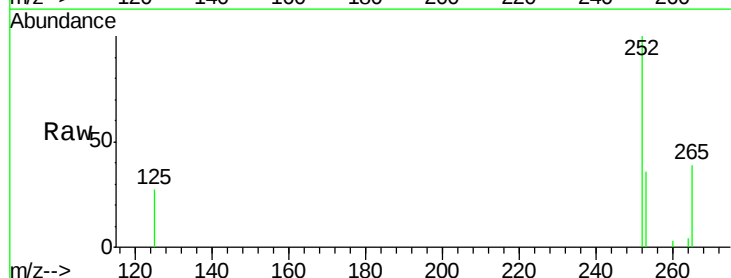
RT: 23.13 min Scan# 1992

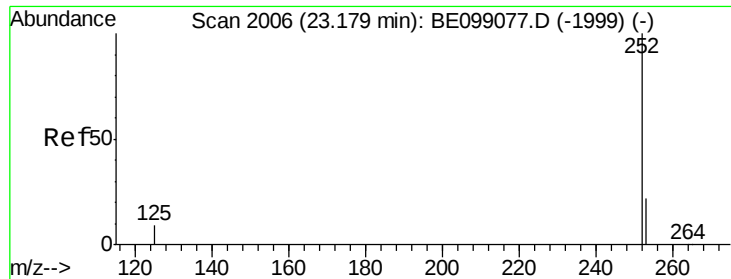
Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.2	18.2	27.2#
125	26.9	7.3	10.9#





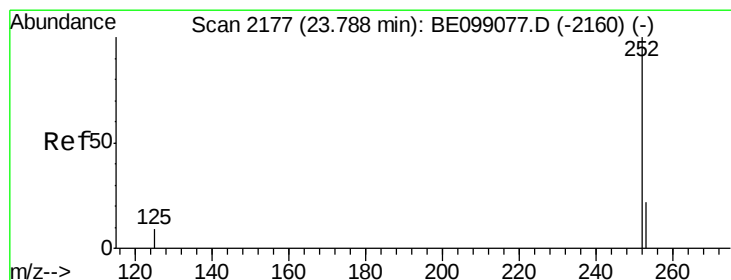
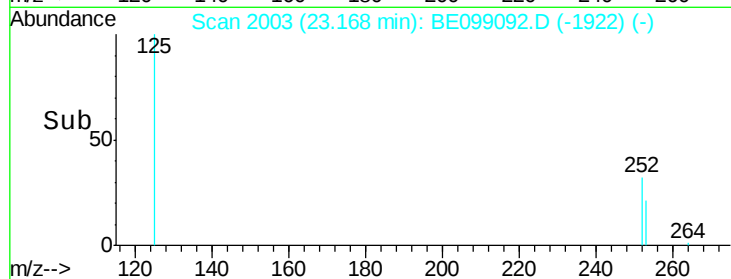
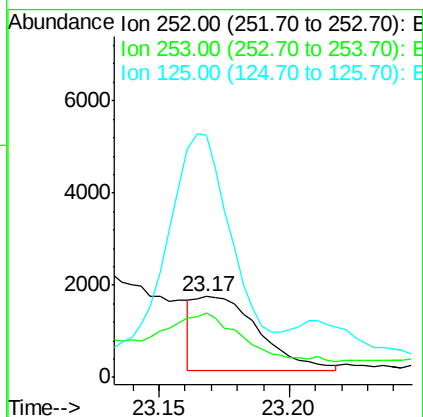
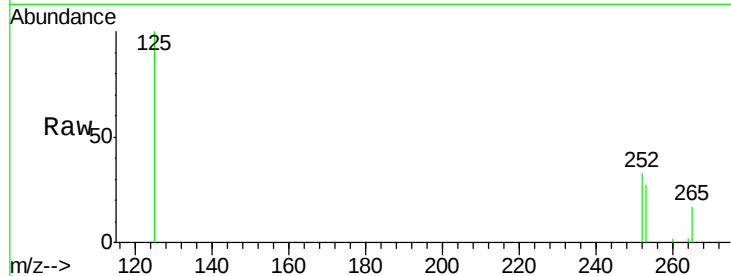
#36
Benzo(k)fluoranthene
Concen: 0.020 ng m
RT: 23.17 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BE099092.D
Acq: 22 Mar 2019 22:41

Instrument :
BNA_E
ClientSampleId :
PST-025-SW047-031319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	80.4	19.3	28.9#
125	300.8	7.5	11.3#

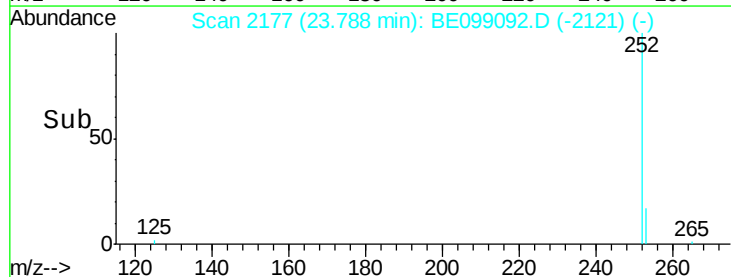
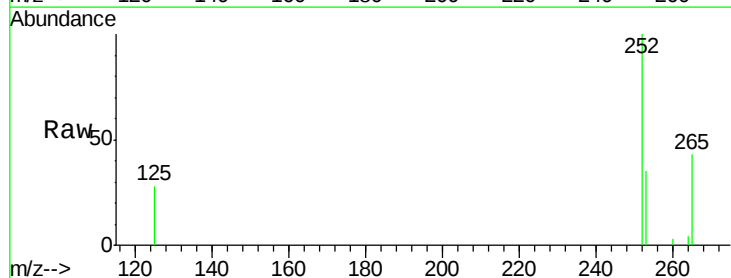
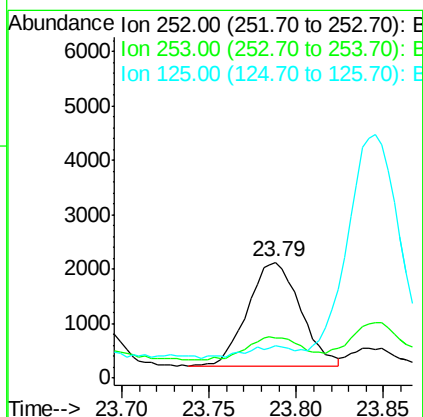
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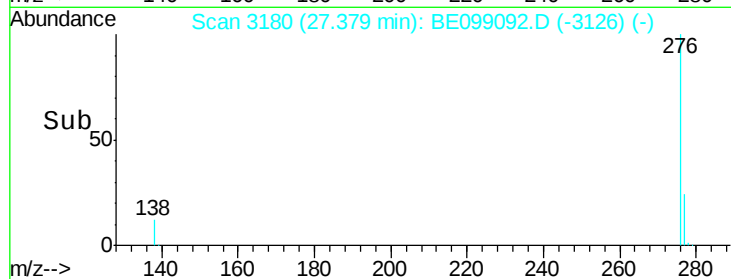
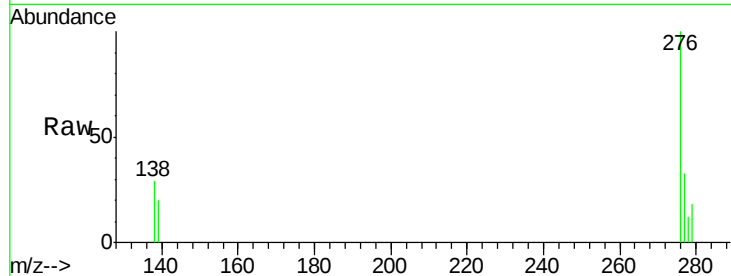
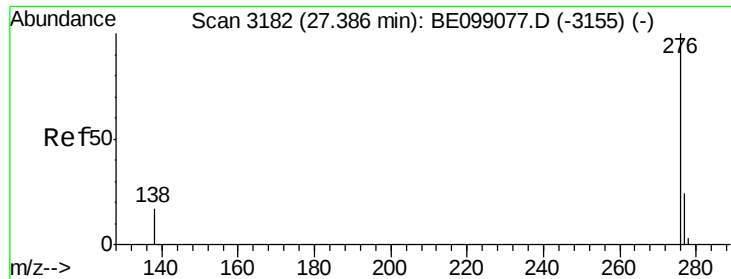
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#37
Benzo(a)pyrene
Concen: 0.032 ng
RT: 23.79 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BE099092.D
Acq: 22 Mar 2019 22:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.7	19.9	29.9#
125	27.6	9.0	13.4#





#39

Benzo(g,h,i)perylene

Concen: 0.022 ng

RT: 27.38 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

Instrument :

BNA_E

ClientSampleId :

PST-025-SW047-031319

Tgt Ion:	276	Resp:	2824
Ion Ratio	Lower	Upper	
276	100		
277	32.7	20.4	30.6#
138	29.2	13.6	20.4#

Manual Integrations
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