

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099088.D
 Acq On : 22 Mar 2019 20:08
 Operator : JU/SJ
 Sample : K1948-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW01-031319

Manual Integrations
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 3/25/2019 12:11:56 PM

Quant Time: Mar 23 01:30:50 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	3177	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	12019	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	7510	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	20783	0.40	ng	0.00
27) Chrysene-d12	21.39	240	30639	0.40	ng	0.00
34) Perylene-d12	23.90	264	35178	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.42	112	3929	0.42	ng	0.00
5) Phenol-d6	7.00	99	5649	0.41	ng	0.00
8) Nitrobenzene-d5	8.99	82	2980	0.57	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	8167	0.38	ng	-0.02
14) 2,4,6-Tribromophenol	15.96	330	1064	0.48	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	11366	0.38	ng	0.00
25) Fluoranthene-d10	19.24	212	102896	0.37	ng	0.00
29) Terphenyl-d14	19.84	244	17043	0.26	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.21	152	1266	0.032	ng	# 92
23) Phenanthrene	17.25	178	10856	0.176	ng	97
24) Anthracene	17.35	178	1241	0.021	ng	# 94
26) Fluoranthene	19.27	202	22283	0.257	ng	98
28) Pyrene	19.63	202	24130	0.232	ng	95
30) Benzo(a)anthracene	21.37	228	14663	0.136	ng	98
31) Chrysene	21.43	228	16774	0.156	ng	98
32) Bis(2-ethylhexyl)phthalate	21.31	149	23926	0.171	ng	99
33) Indeno(1,2,3-cd)pyrene	26.56	276	10051	0.087	ng	99
35) Benzo(b)fluoranthene	23.12	252	20978	0.172	ng	# 94
36) Benzo(k)fluoranthene	23.18	252	8866m	0.074	ng	
37) Benzo(a)pyrene	23.79	252	14202	0.126	ng	95
38) Dibenzo(a,h)anthracene	26.57	278	2633	0.024	ng	# 67
39) Benzo(g,h,i)perylene	27.38	276	10694	0.095	ng	97

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

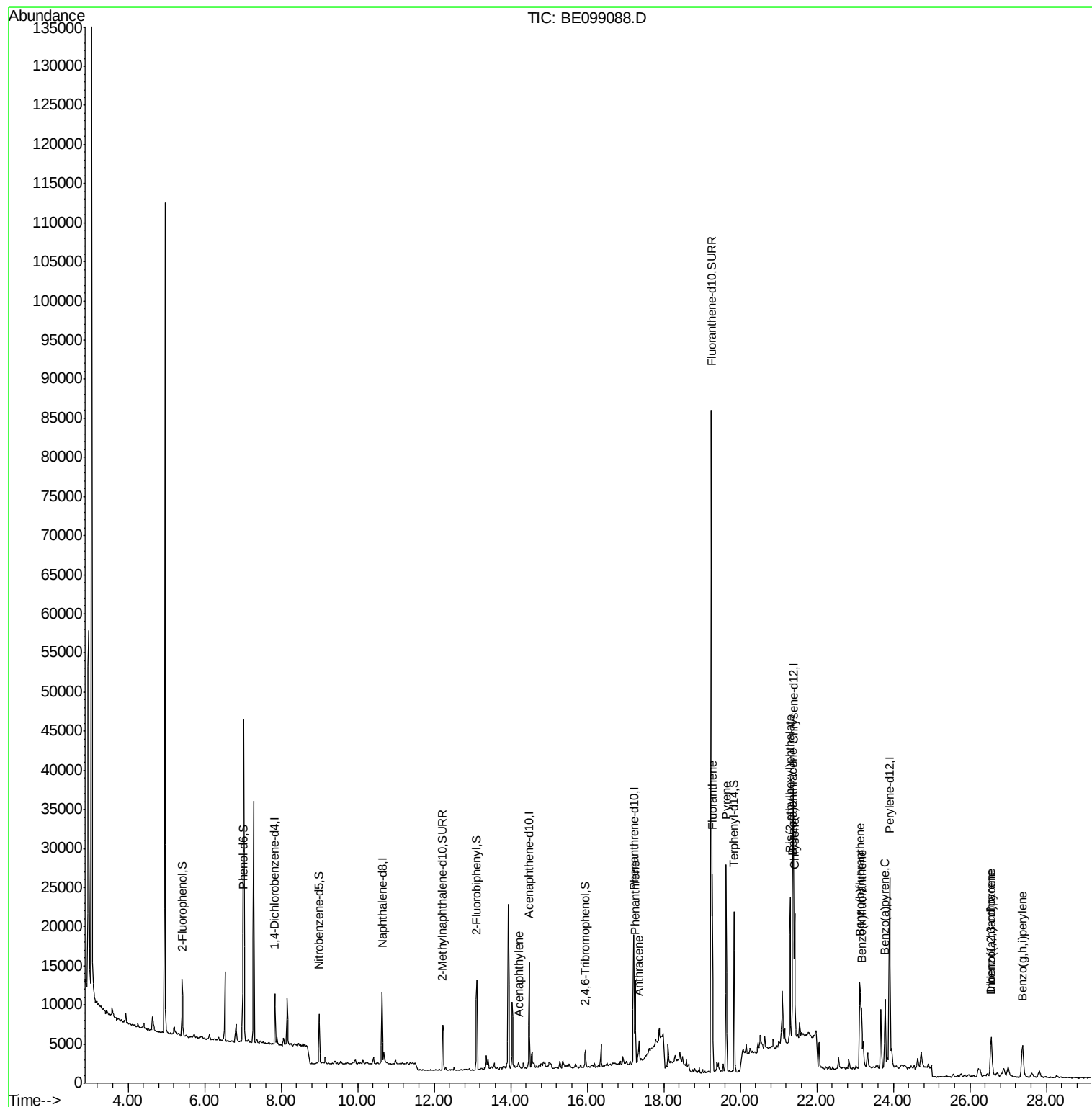
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
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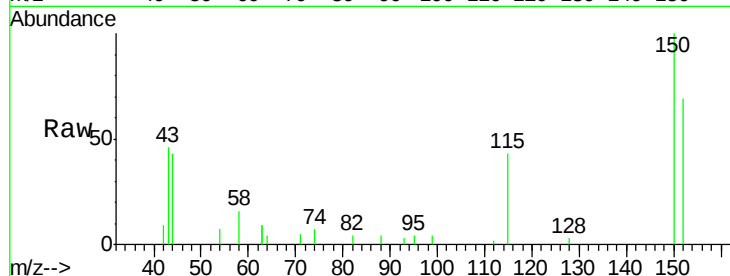




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099088.D
Acq: 22 Mar 2019 20:08

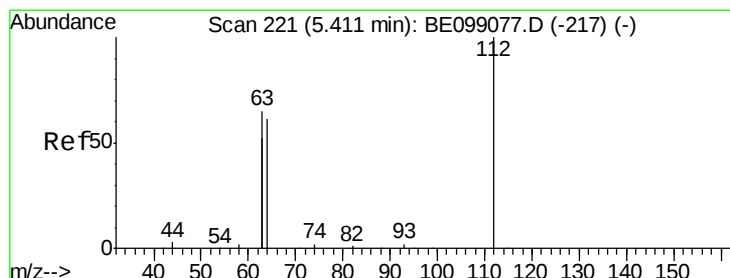
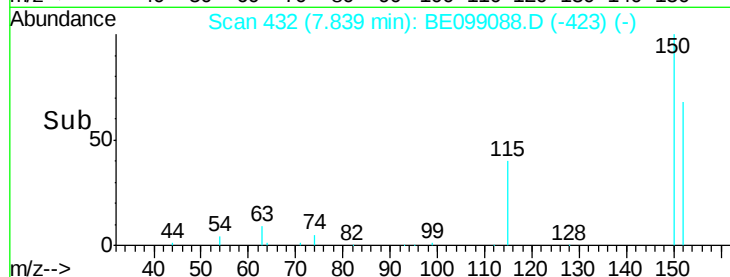
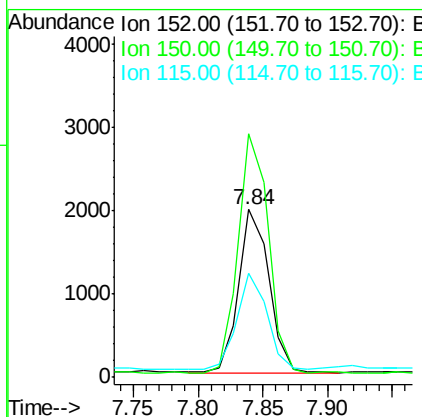
Instrument :
BNA_E
ClientSampleId :
INV-025-SW01-031319



Tgt Ion	Ratio	Lower	Upper
152	100		
150	144.9	122.5	183.7
115	61.6	57.4	86.2

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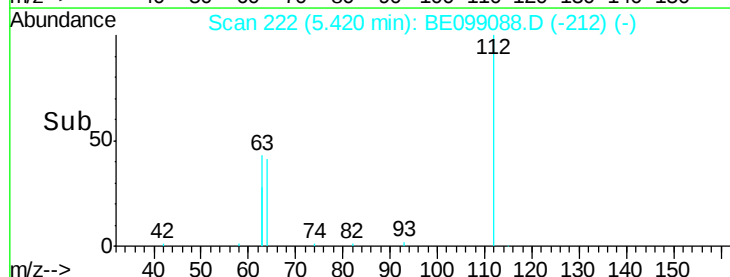
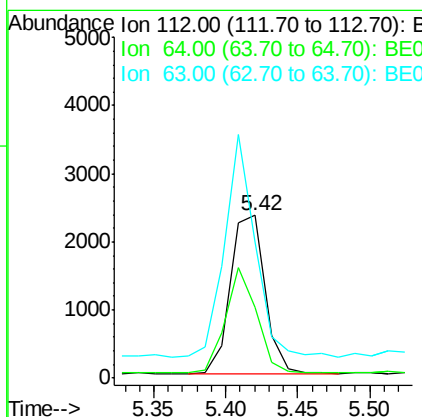
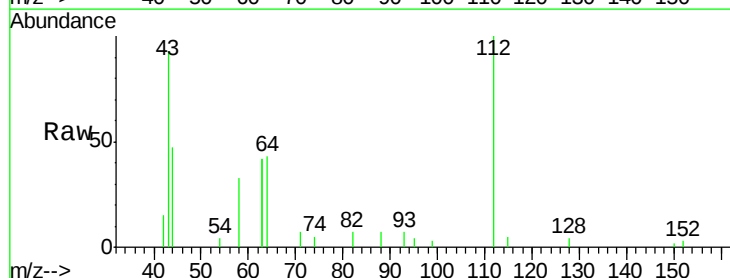
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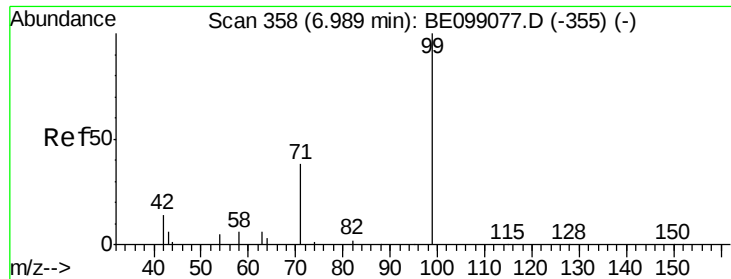


#4

2-Fluorophenol
Concen: 0.415 ng
RT: 5.42 min Scan# 222
Delta R.T. 0.01 min
Lab File: BE099088.D
Acq: 22 Mar 2019 20:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	57.9	86.9
63	120.9	158.3	237.5#





#5

Phenol-d6

Concen: 0.415 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099088.D

Acq: 22 Mar 2019 20:08

Instrument :

BNA_E

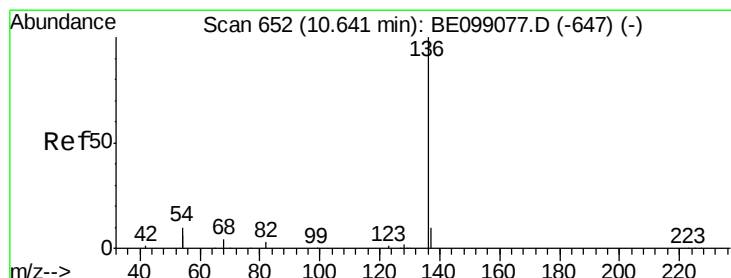
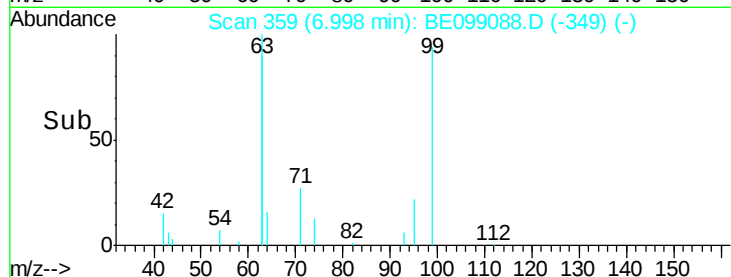
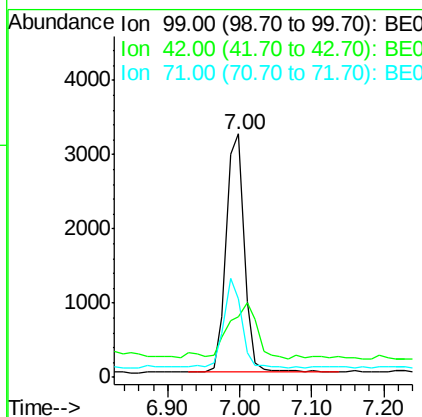
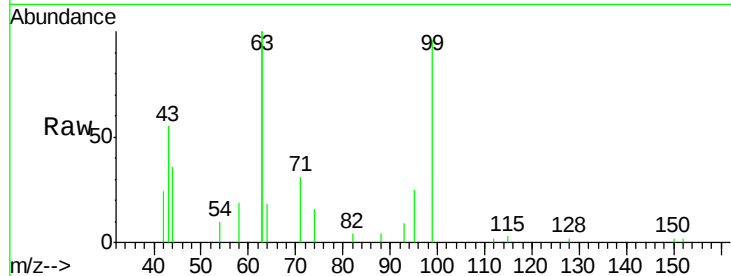
ClientSampleId :

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Tgt Ion:	99	Resp:	5649
Ion Ratio	Lower	Upper	
99	100		
42	36.5	24.2	36.2#
71	0.0	35.7	53.5#

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#7

Naphthalene-d8

Concen: 0.400 ng

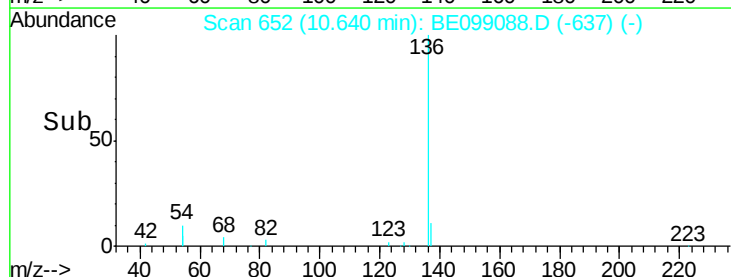
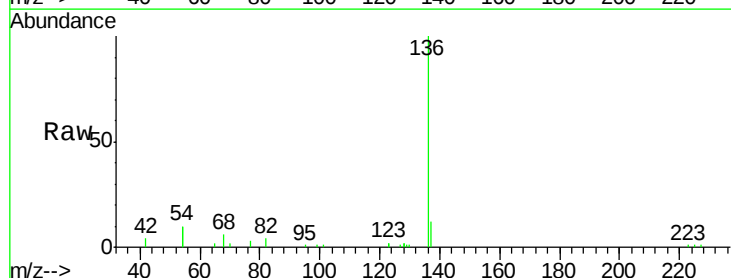
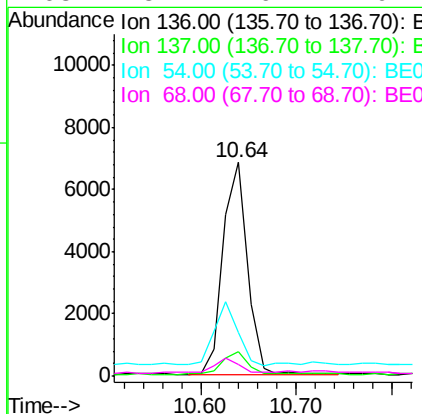
RT: 10.64 min Scan# 652

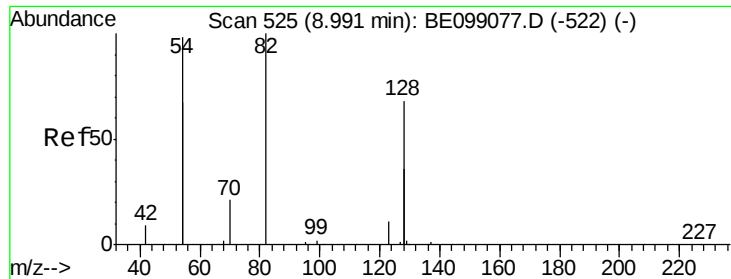
Delta R.T. -0.00 min

Lab File: BE099088.D

Acq: 22 Mar 2019 20:08

Tgt Ion:	136	Resp:	12019
Ion Ratio	Lower	Upper	
136	100		
137	11.7	11.4	17.0
54	20.2	39.3	58.9#
68	5.7	6.7	10.1#





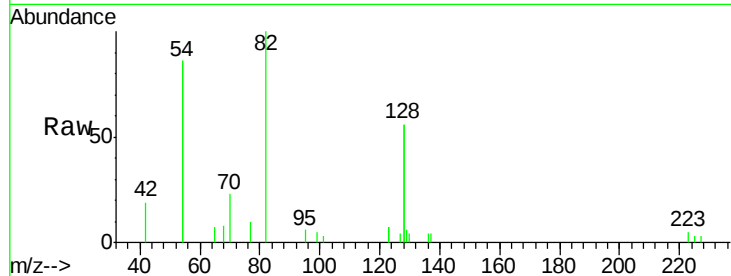
#8
 Nitrobenzene-d5
 Concen: 0.567 ng
 RT: 8.99 min Scan# 525
 Delta R.T. -0.00 min
 Lab File: BE099088.D
 Acq: 22 Mar 2019 20:08

Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW01-031319

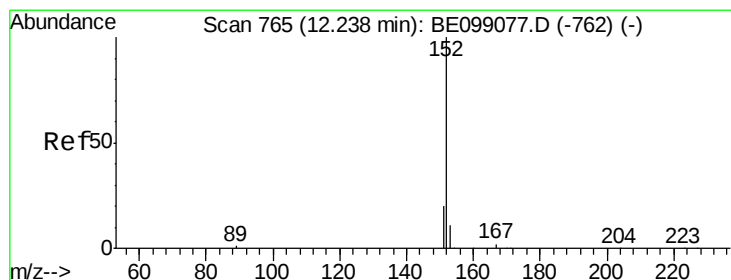
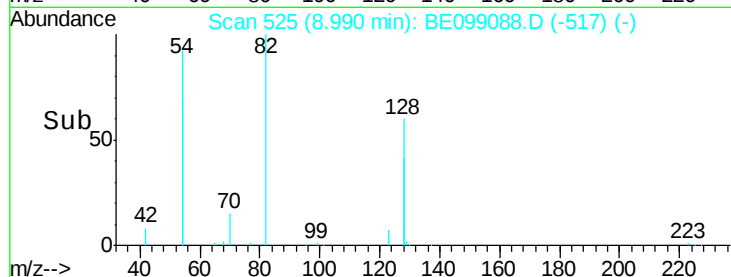
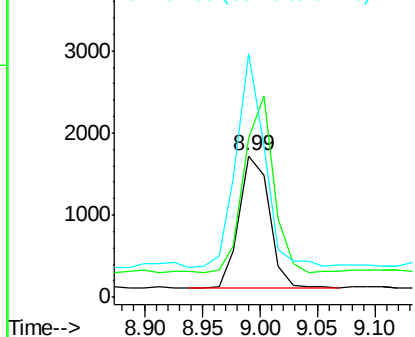
Tgt Ion	Ratio	Lower	Upper
82	100		
128	112.7	123.8	185.8#
54	172.2	203.4	305.2#

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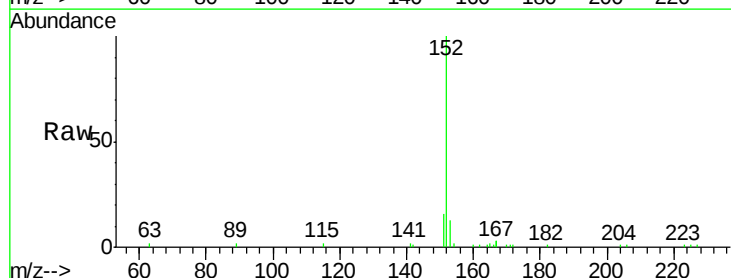


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): BE0
 Ion 54.00 (53.70 to 54.70): BE0

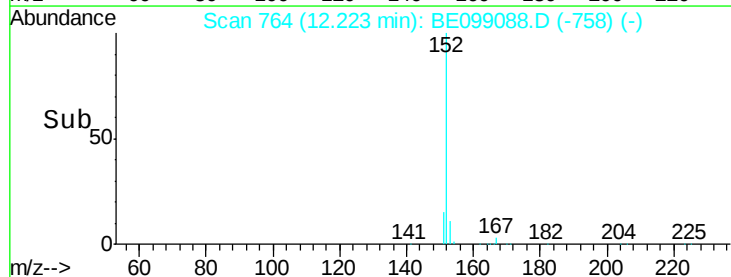
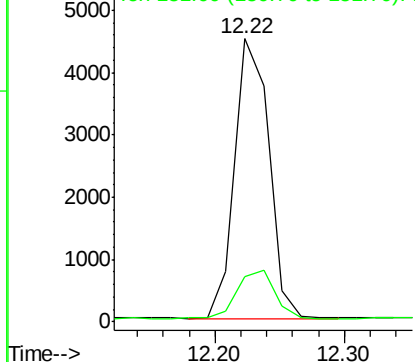


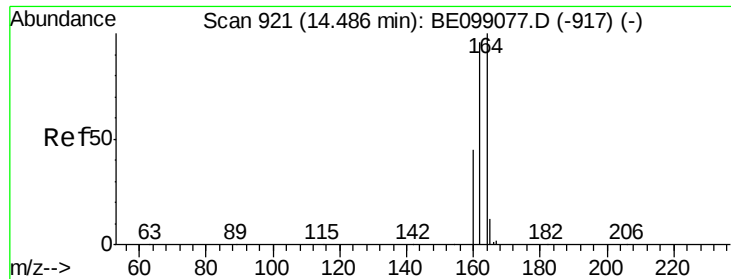
#11
 2-Methylnaphthalene-d10
 Concen: 0.377 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.02 min
 Lab File: BE099088.D
 Acq: 22 Mar 2019 20:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.5	24.7



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E





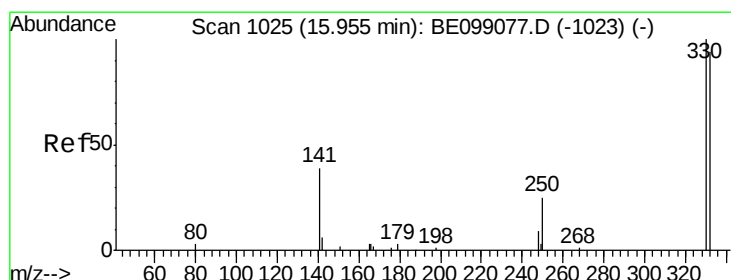
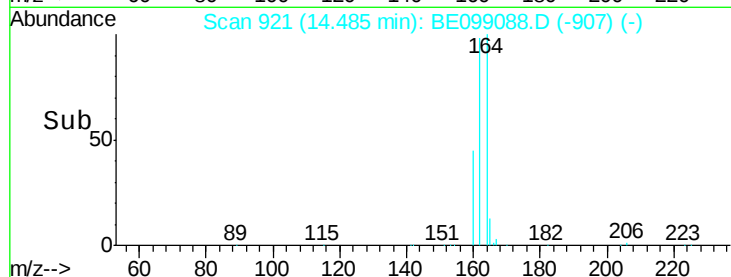
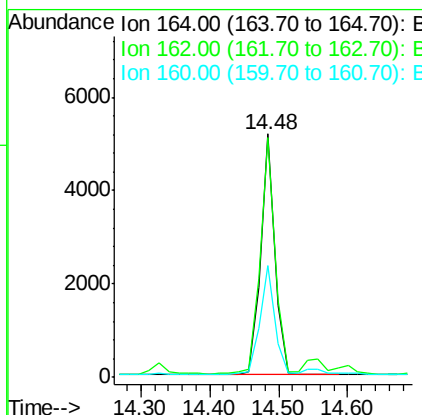
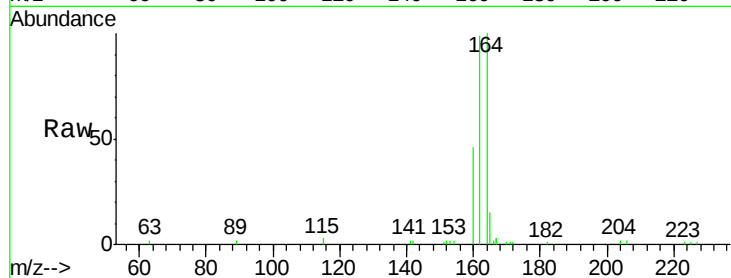
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099088.D
Acq: 22 Mar 2019 20:08

Instrument :
BNA_E
ClientSampleId :
INV-025-SW01-031319

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.7	80.2	120.2
160	46.1	37.8	56.8

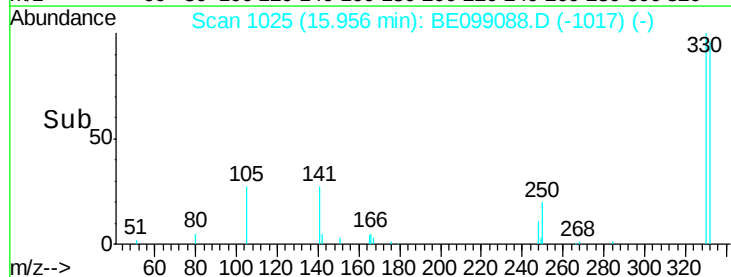
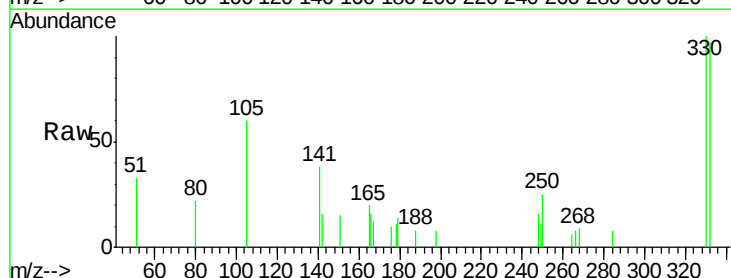
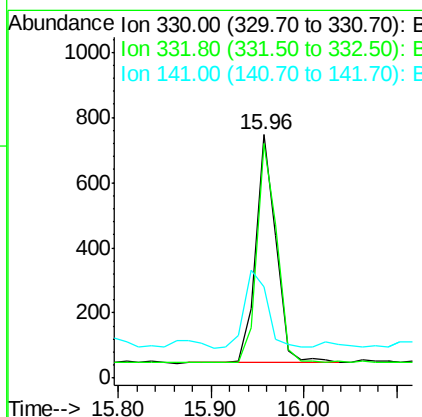
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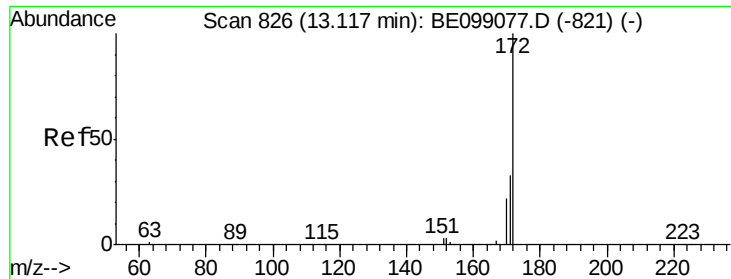
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#14
2,4,6-Tribromophenol
Concen: 0.482 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099088.D
Acq: 22 Mar 2019 20:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.6	116.4
141	38.5	31.0	46.4





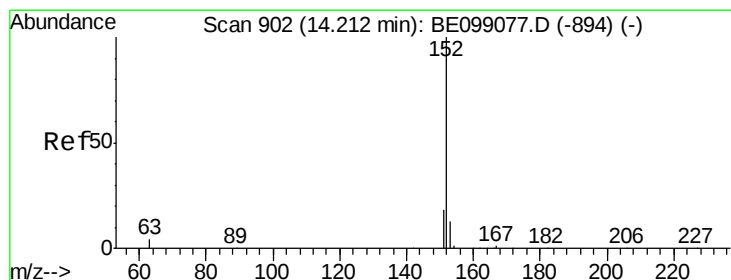
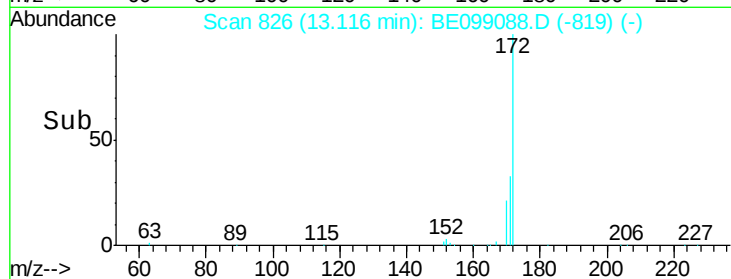
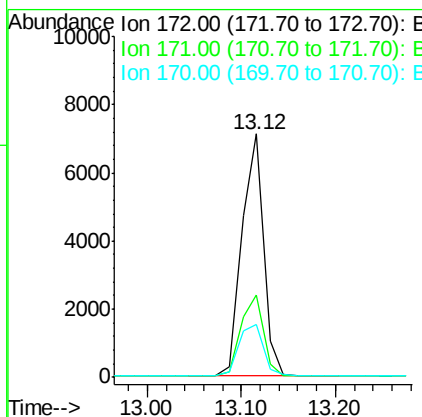
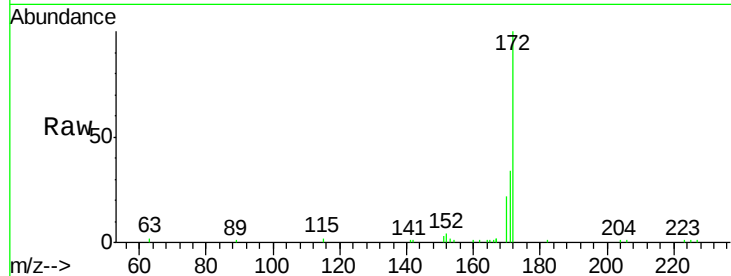
#15
2-Fluorobiphenyl
Concen: 0.381 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE099088.D
Acq: 22 Mar 2019 20:08

Instrument :
BNA_E
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INV-025-SW01-031319

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.0	42.0
170	21.9	17.7	26.5

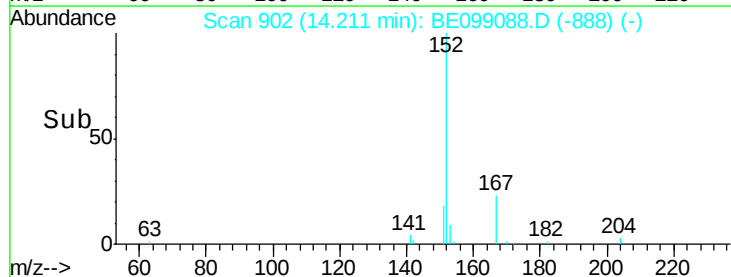
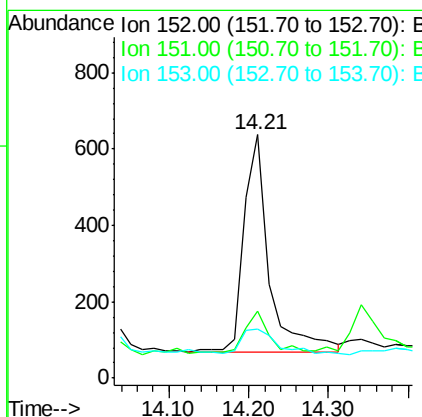
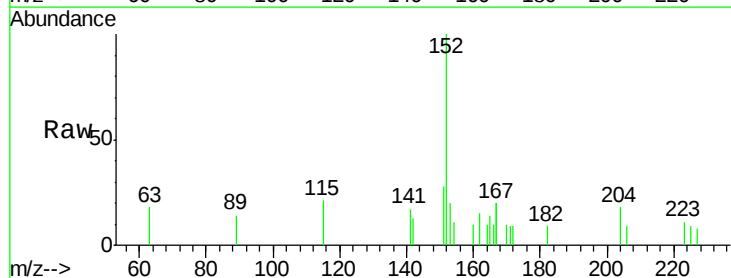
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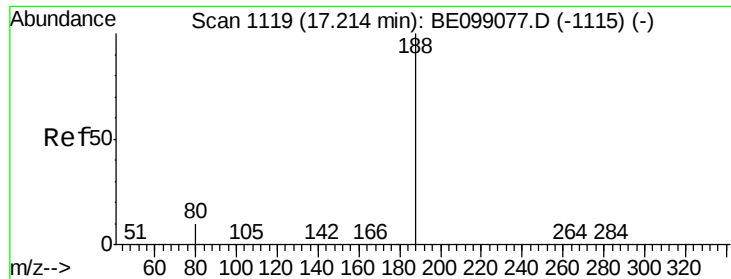
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#16
Acenaphthylene
Concen: 0.032 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099088.D
Acq: 22 Mar 2019 20:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	16.7	17.0	25.6#
153	16.4	11.2	16.8





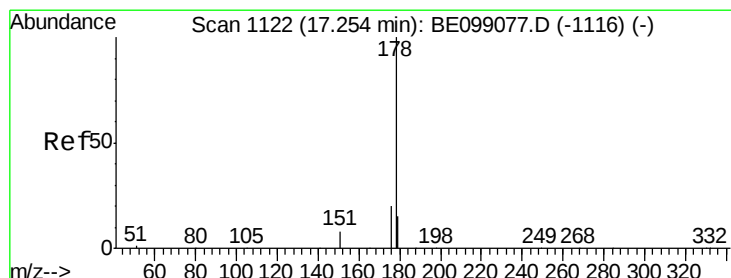
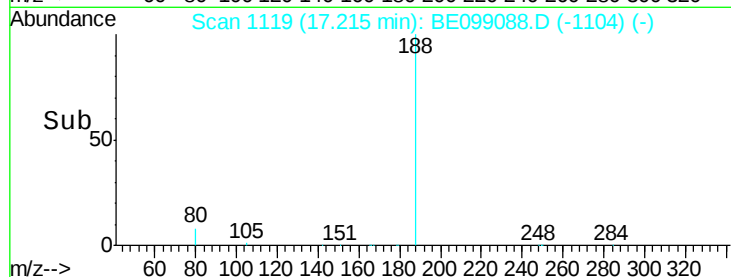
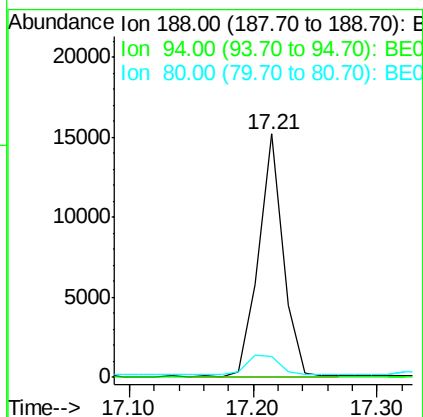
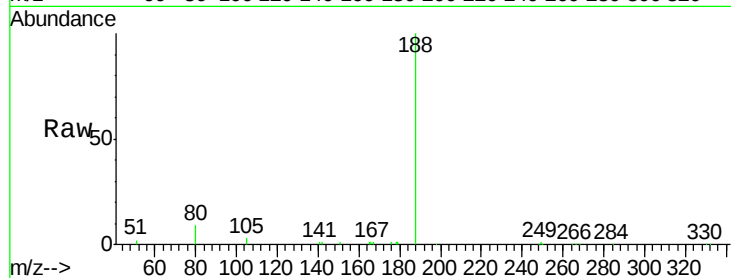
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099088.D
Acq: 22 Mar 2019 20:08

Instrument :
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INV-025-SW01-031319

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	8.6	6.3	9.5

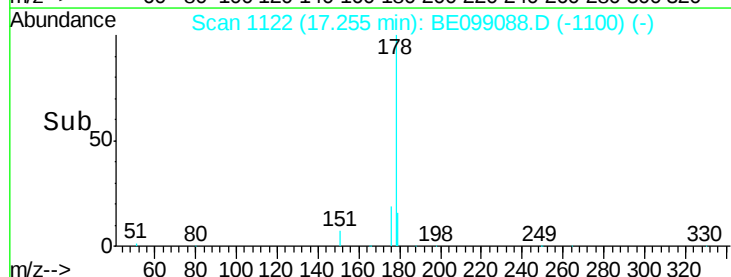
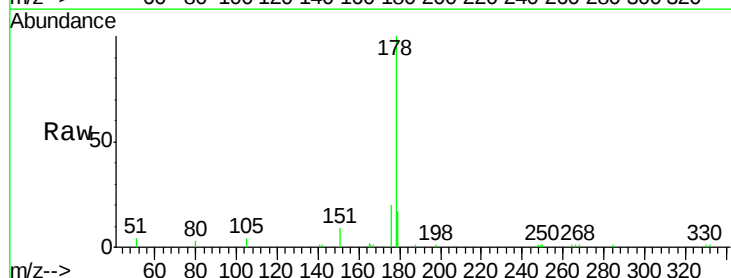
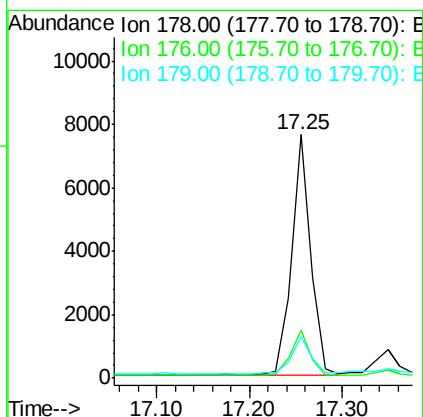
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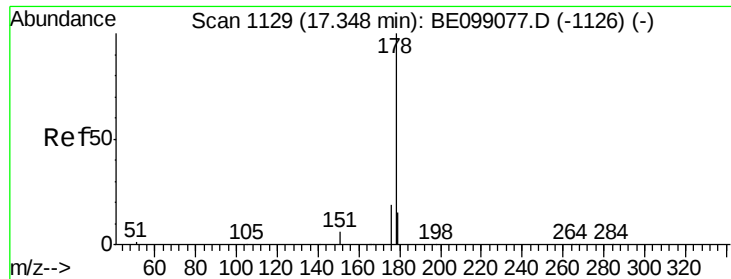
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#23
Phenanthrene
Concen: 0.176 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099088.D
Acq: 22 Mar 2019 20:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.7	16.0	24.0
179	16.7	12.1	18.1





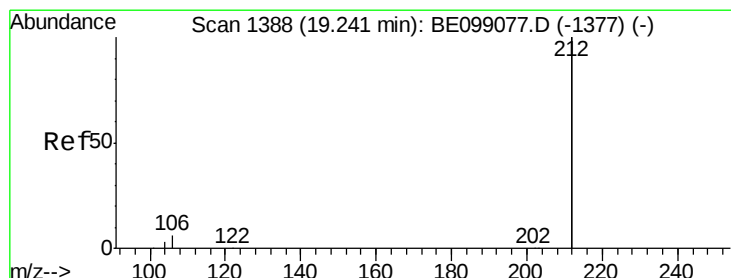
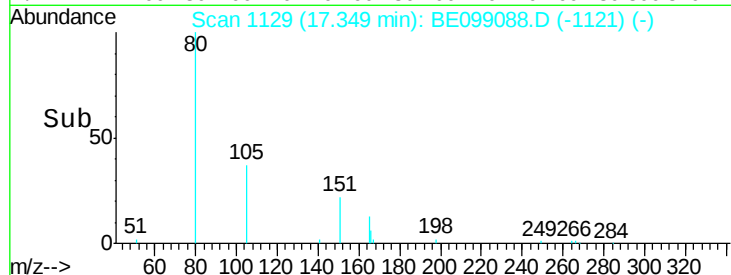
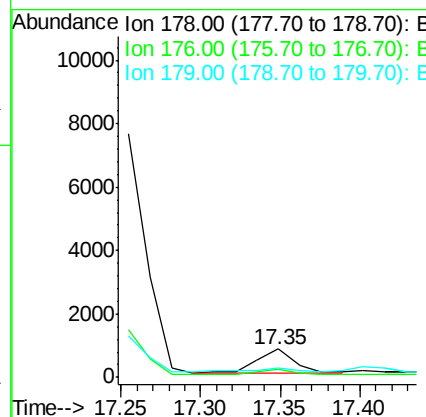
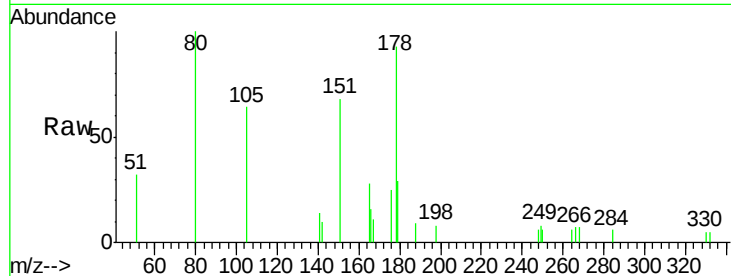
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 Anthracene
 Concen: 0.021 ng
 RT: 17.35 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: BE099088.D
 Acq: 22 Mar 2019 20:08

Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW01-031319

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.0
179	19.9	12.2	18.4

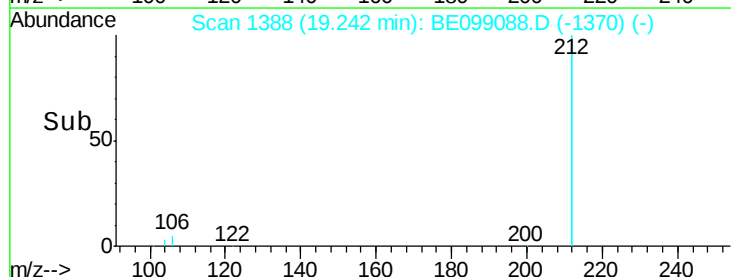
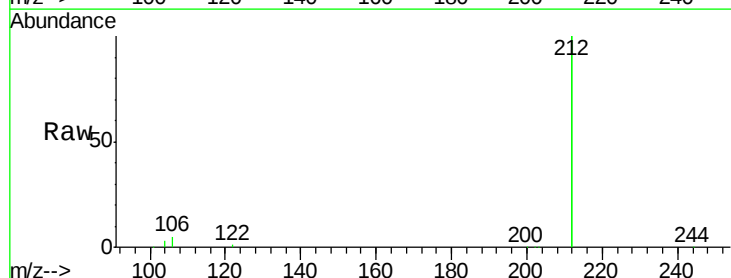
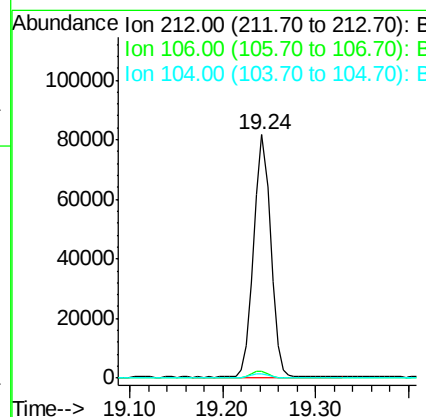
Manual Integrations
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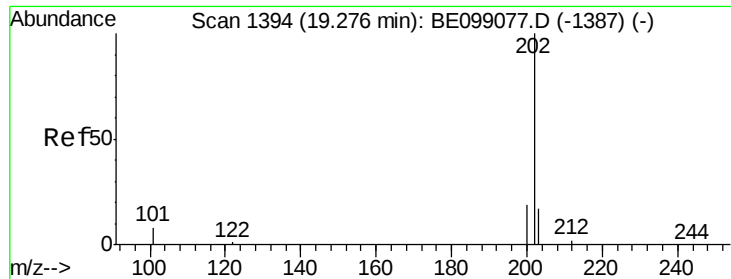
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#25
 Fluoranthene-d10
 Concen: 0.371 ng
 RT: 19.24 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: BE099088.D
 Acq: 22 Mar 2019 20:08

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





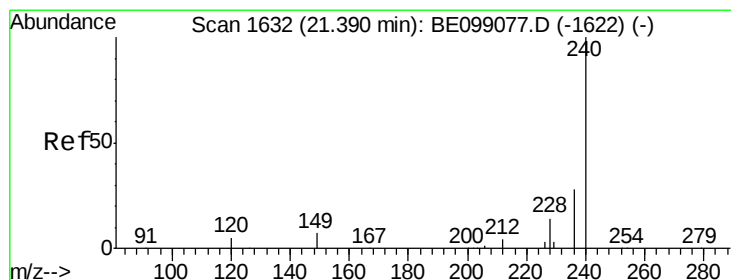
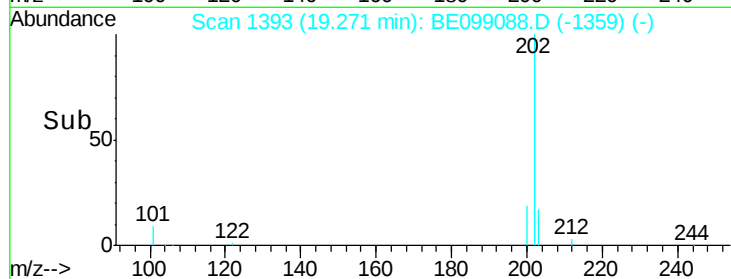
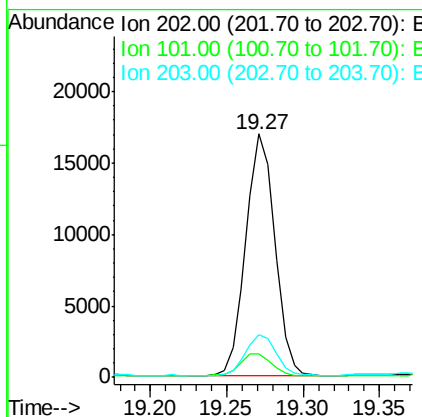
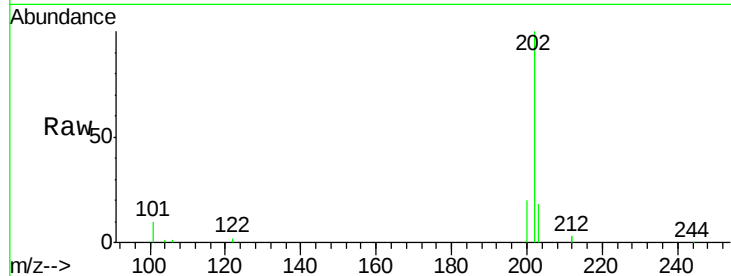
#26
 Fluoranthene
 Concen: 0.257 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: BE099088.D
 Acq: 22 Mar 2019 20:08

Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW01-031319

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	7.3	10.9
203	17.7	13.4	20.2

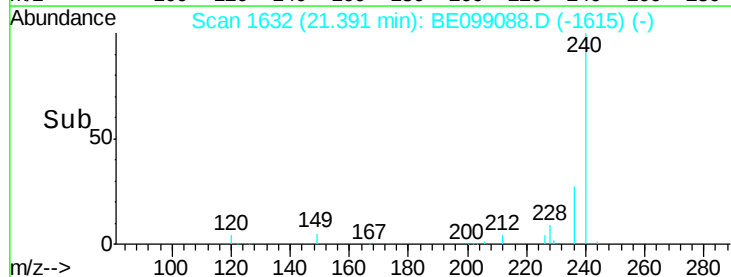
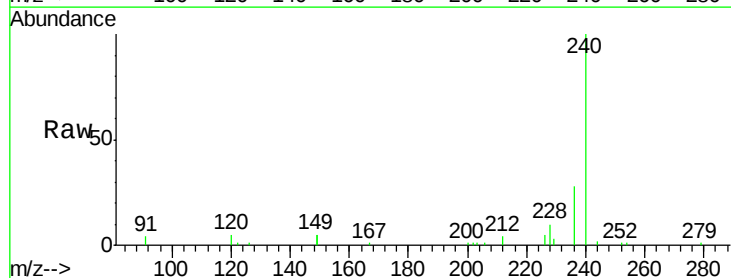
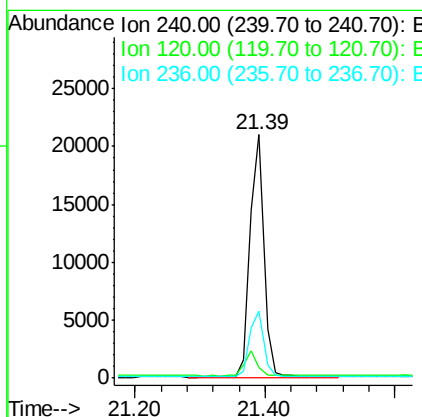
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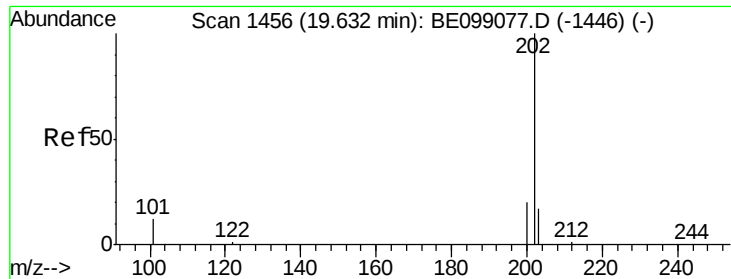
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. 0.00 min
 Lab File: BE099088.D
 Acq: 22 Mar 2019 20:08

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.6	5.0	7.4#
236	27.5	22.7	34.1





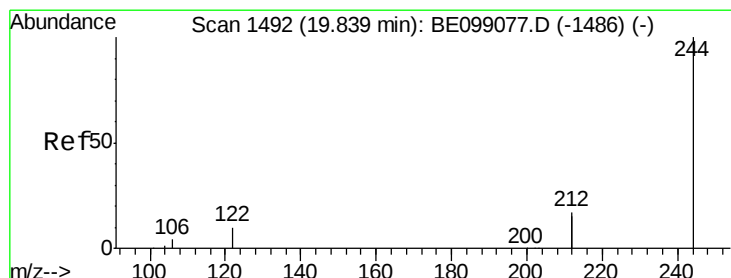
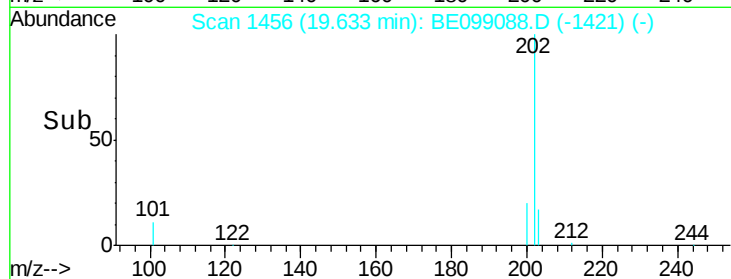
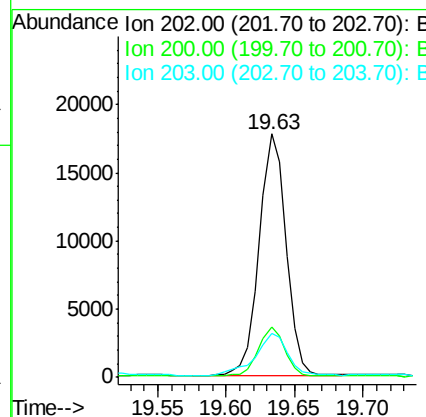
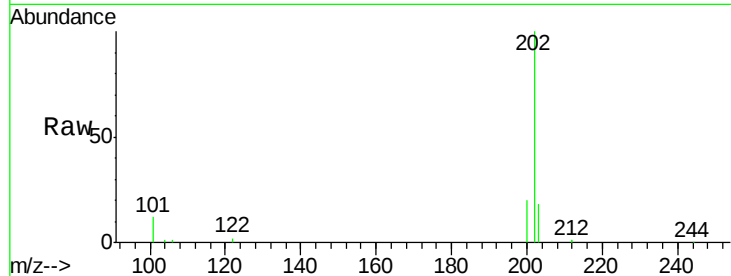
#28
 Pyrene
 Concen: 0.232 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BE099088.D
 Acq: 22 Mar 2019 20:08

Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW01-031319

Tgt Ion:	202	Resp:	24130
Ion Ratio	Lower	Upper	
202	100		
200	20.1	17.0	25.6
203	20.9	14.2	21.2

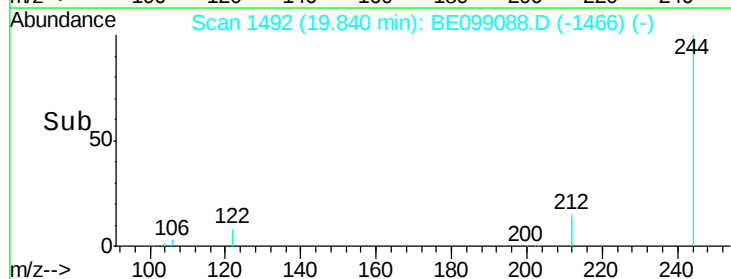
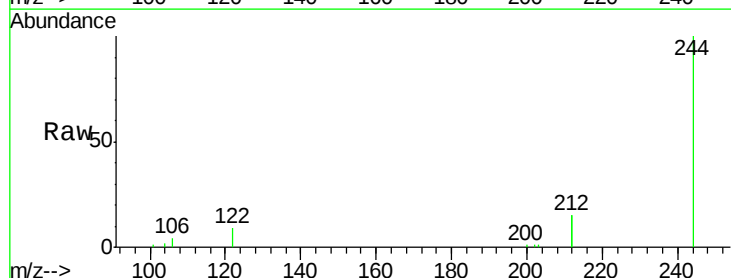
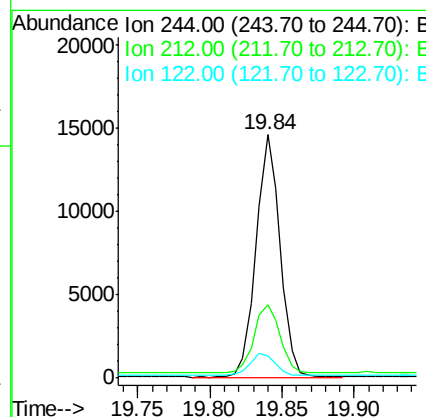
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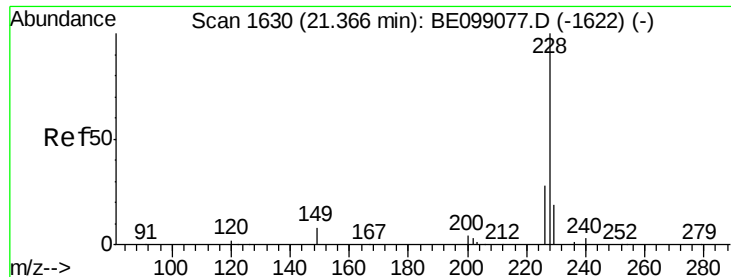
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#29
 Terphenyl-d14
 Concen: 0.263 ng
 RT: 19.84 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BE099088.D
 Acq: 22 Mar 2019 20:08

Tgt Ion:	244	Resp:	17043
Ion Ratio	Lower	Upper	
244	100		
212	30.4	29.4	44.2
122	9.0	7.1	10.7





#30

Benzo(a)anthracene

Concen: 0.136 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099088.D

Acq: 22 Mar 2019 20:08

Instrument :

BNA_E

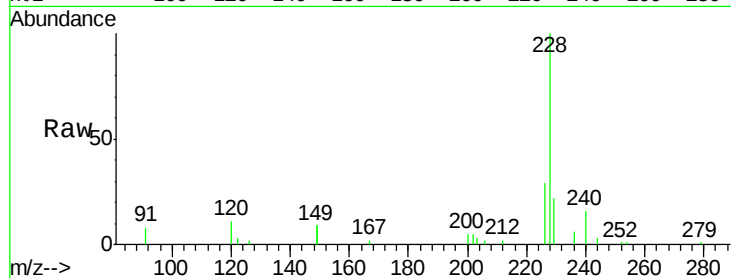
ClientSampleId :

INV-025-SW01-031319

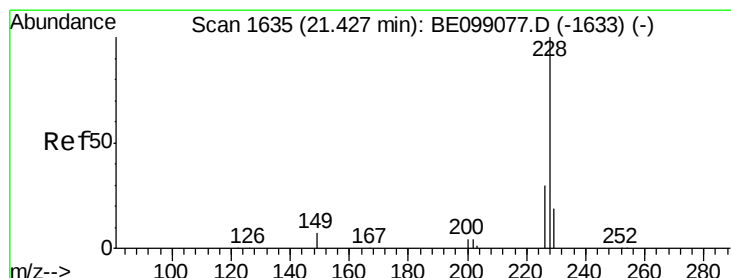
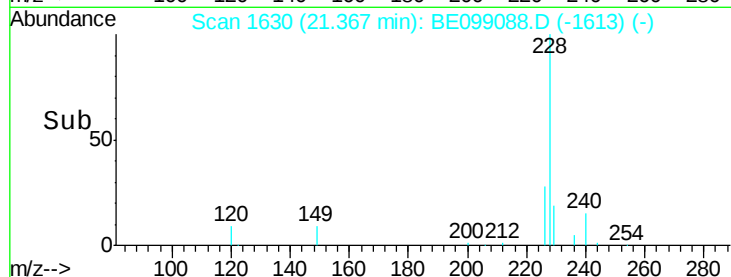
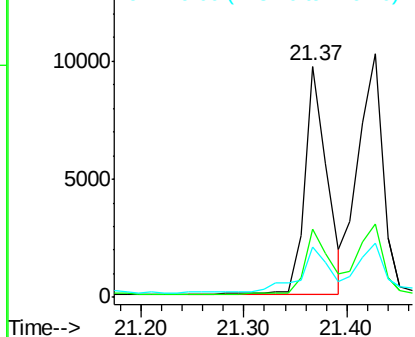
Tgt Ion:	228	Resp:	14663
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.0	34.4
229	21.6	16.5	24.7

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#31

Chrysene

Concen: 0.156 ng

RT: 21.43 min Scan# 1635

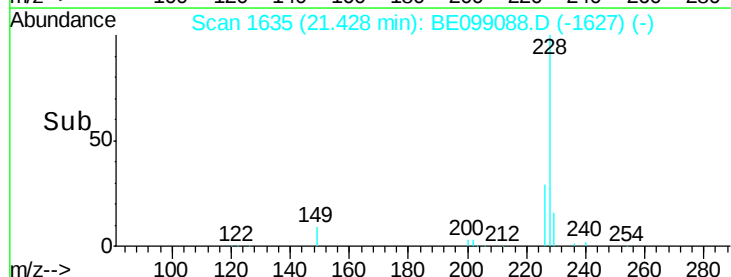
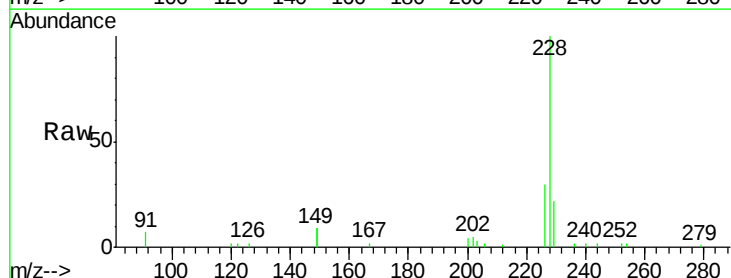
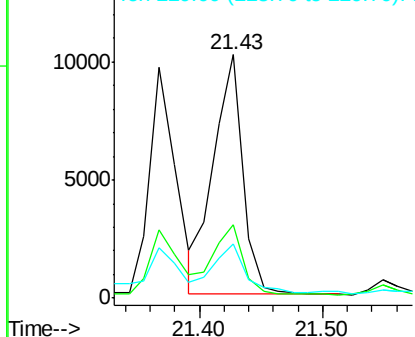
Delta R.T. 0.00 min

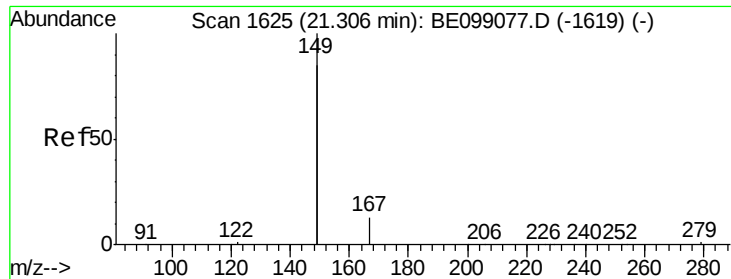
Lab File: BE099088.D

Acq: 22 Mar 2019 20:08

Tgt Ion:	228	Resp:	16774
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.7	35.5
229	22.1	16.1	24.1

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





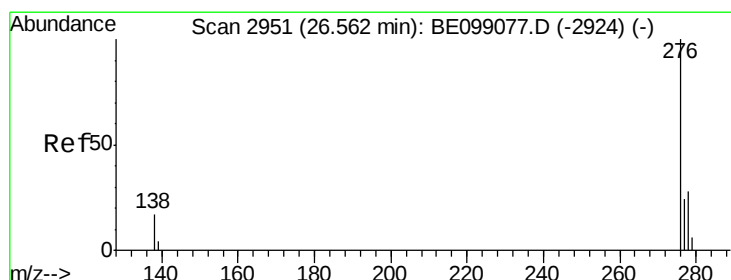
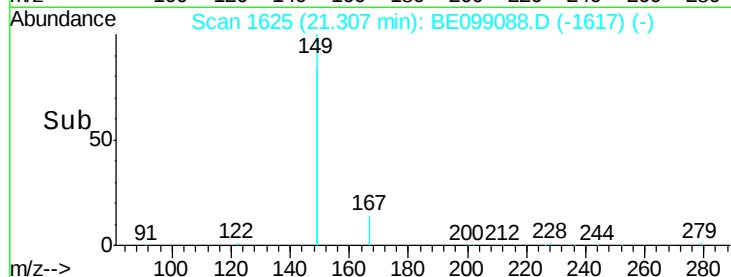
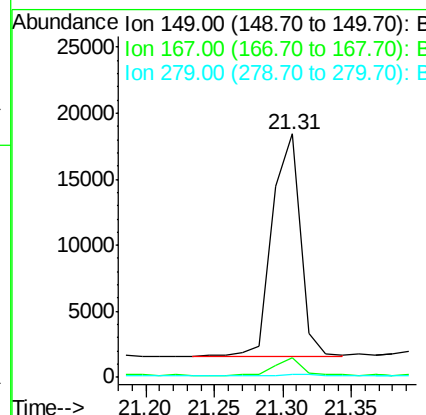
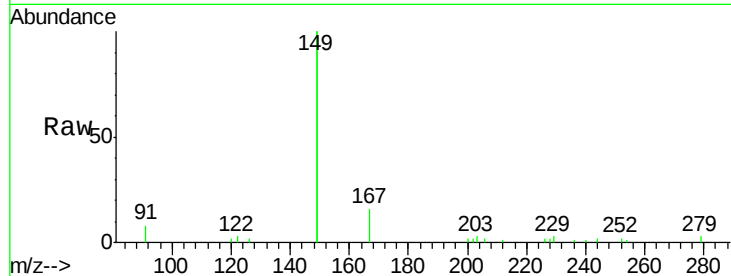
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.171 ng
 RT: 21.31 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BE099088.D
 Acq: 22 Mar 2019 20:08

Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW01-031319

Tgt Ion:	149	Resp:	23926
Ion Ratio	Lower	Upper	
149	100		
167	7.2	5.4	8.0
279	1.0	1.0	1.4

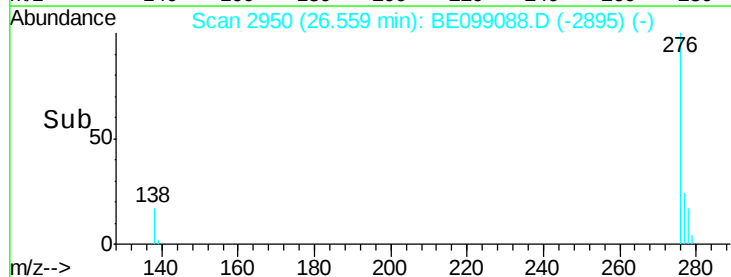
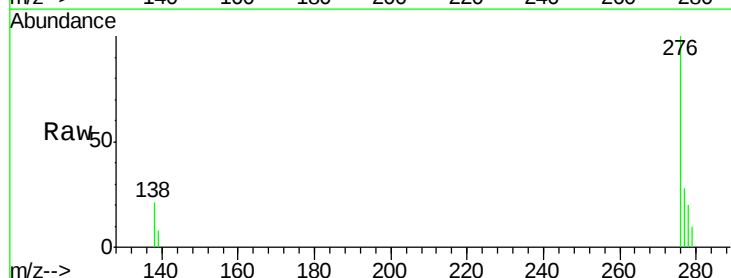
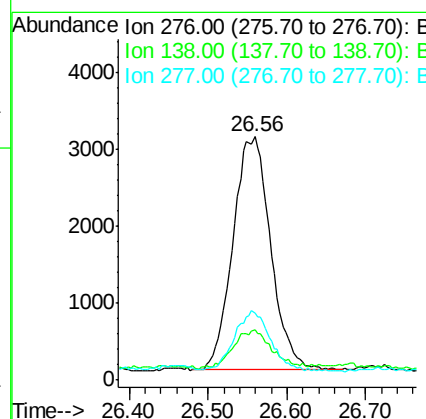
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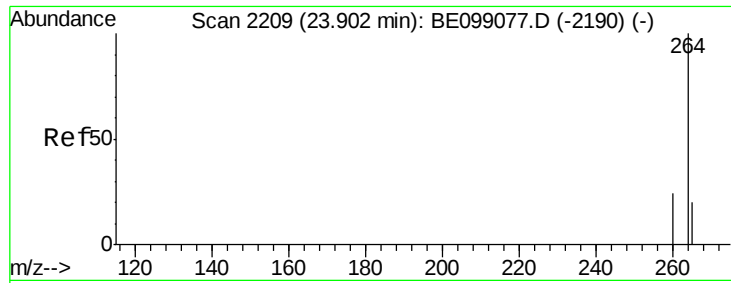
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.087 ng
 RT: 26.56 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: BE099088.D
 Acq: 22 Mar 2019 20:08

Tgt Ion:	276	Resp:	10051
Ion Ratio	Lower	Upper	
276	100		
138	17.8	13.8	20.8
277	23.8	19.5	29.3





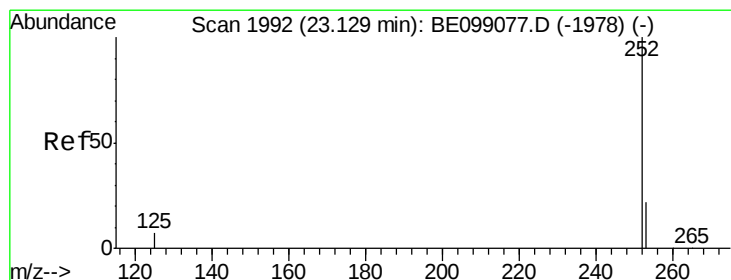
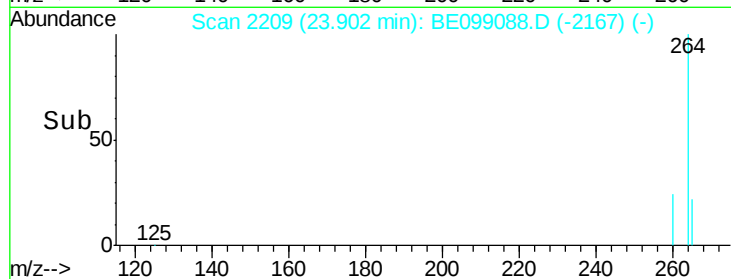
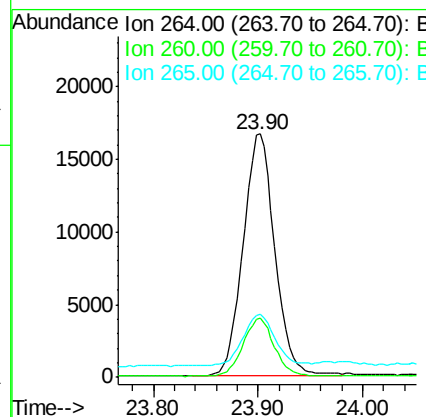
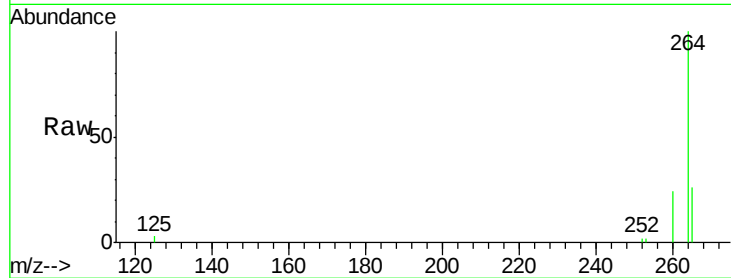
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: BE099088.D
 Acq: 22 Mar 2019 20:08

Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW01-031319

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	21.2	31.8
265	26.1	24.6	36.8

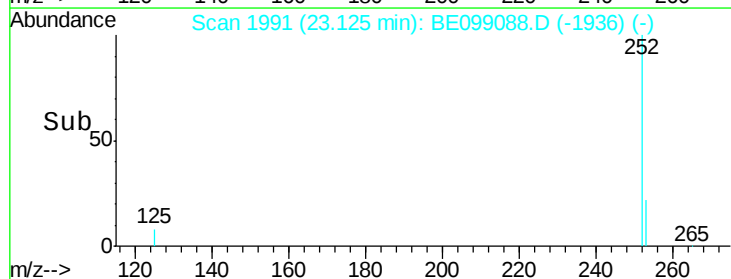
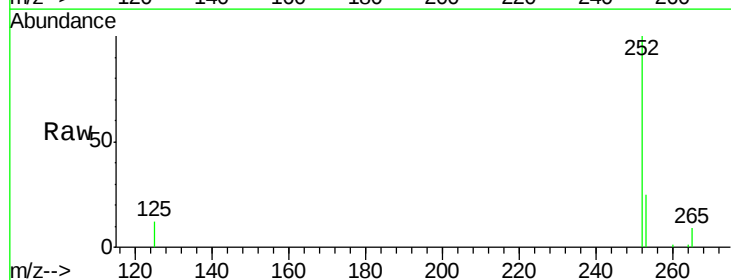
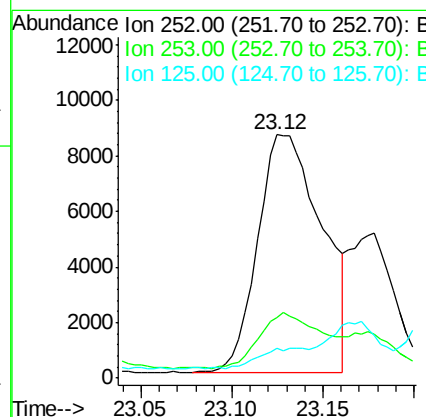
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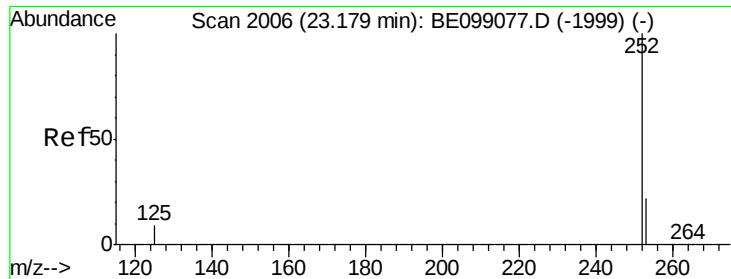
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#35
Benzo(b)fluoranthene
 Concen: 0.172 ng
 RT: 23.12 min Scan# 1991
 Delta R.T. -0.00 min
 Lab File: BE099088.D
 Acq: 22 Mar 2019 20:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.2	27.2
125	12.2	7.3	10.9





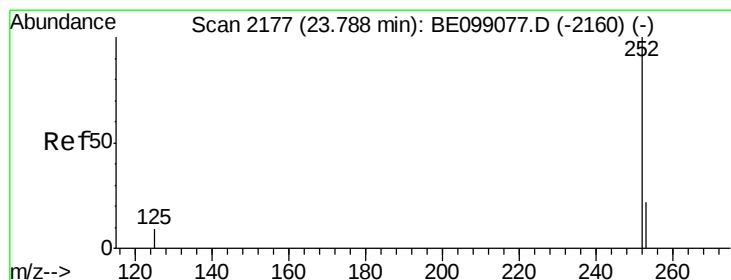
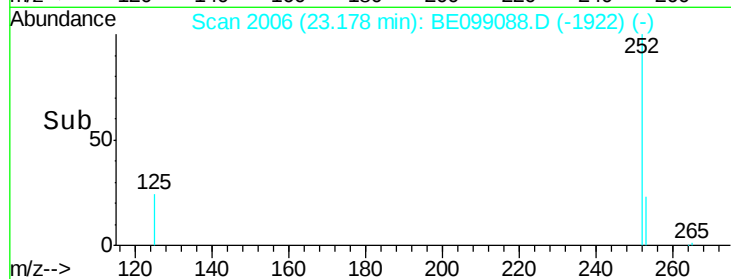
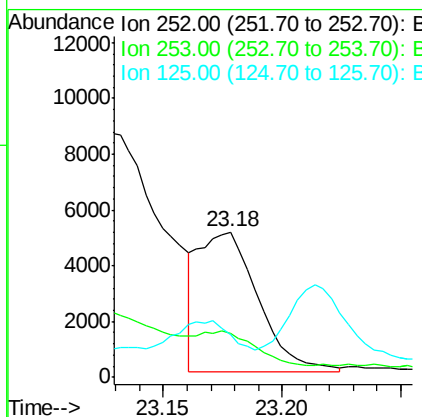
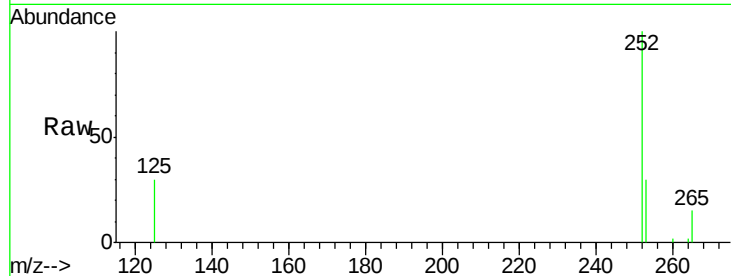
#36
Benzo(k)fluoranthene
Concen: 0.074 ng m
RT: 23.18 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BE099088.D
Acq: 22 Mar 2019 20:08

Instrument :
BNA_E
ClientSampleId :
INV-025-SW01-031319

Tgt Ion: 252 Resp: 8866
Ion Ratio Lower Upper
252 100
253 30.0 19.3 28.9#
125 29.8 7.5 11.3#

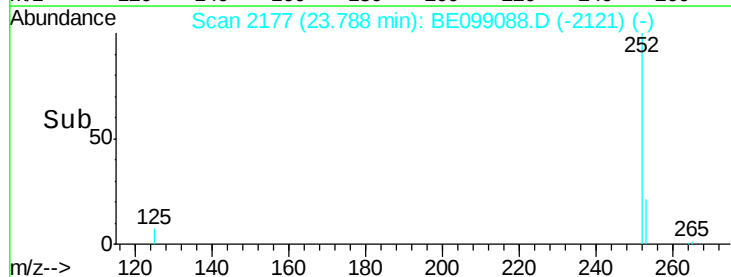
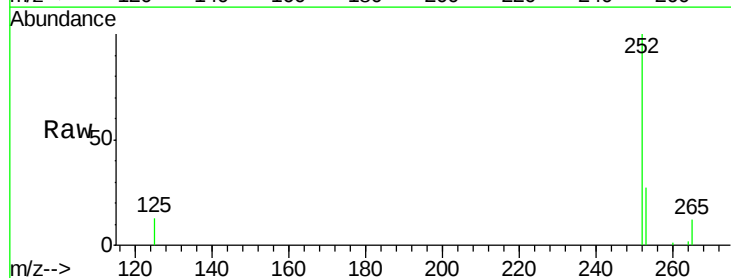
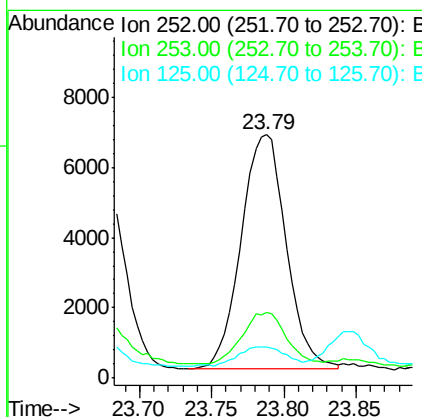
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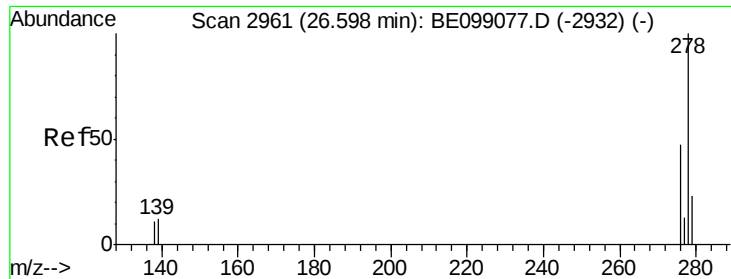
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#37
Benzo(a)pyrene
Concen: 0.126 ng
RT: 23.79 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BE099088.D
Acq: 22 Mar 2019 20:08

Tgt Ion: 252 Resp: 14202
Ion Ratio Lower Upper
252 100
253 27.2 19.9 29.9
125 13.0 9.0 13.4





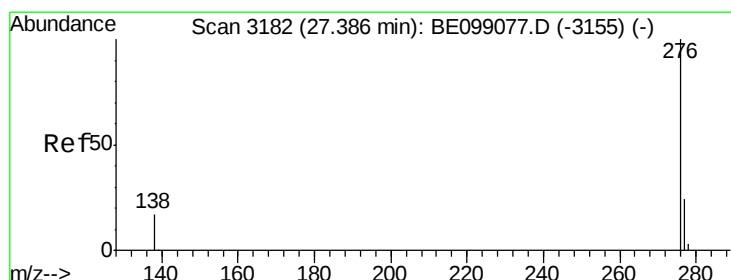
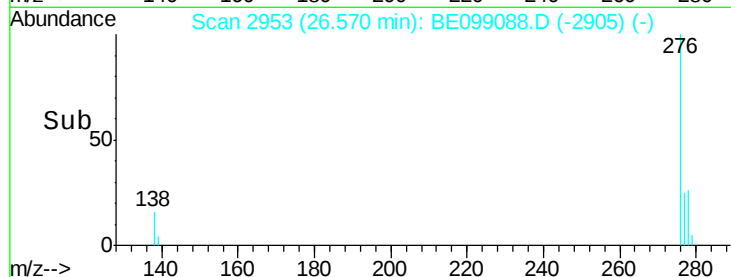
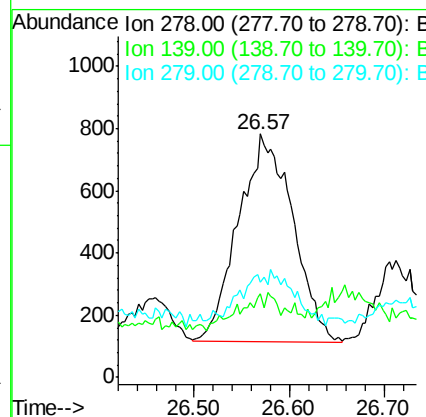
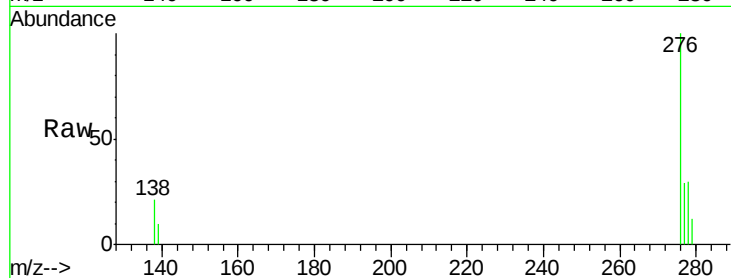
#38
Dibenzo(a,h)anthracene
Concen: 0.024 ng
RT: 26.57 min Scan# 2953
Delta R.T. -0.03 min
Lab File: BE099088.D
Acq: 22 Mar 2019 20:08

Instrument :
BNA_E
ClientSampleId :
INV-025-SW01-031319

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.5	11.8	17.6#
279	39.2	21.1	31.7#

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#39
Benzo(g,h,i)perylene
Concen: 0.095 ng
RT: 27.38 min Scan# 3179
Delta R.T. -0.01 min
Lab File: BE099088.D
Acq: 22 Mar 2019 20:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	20.4	30.6
138	18.9	13.6	20.4

