

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099090.D
 Acq On : 22 Mar 2019 21:26
 Operator : JU/SJ
 Sample : K1948-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW03-031319

Manual Integrations
 APPROVED

Sohil
 3/25/2019 12:12:01 PM

Quant Time: Mar 23 01:32:33 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 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	3485	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	12900	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	8479	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	23240	0.40	ng	0.00
27) Chrysene-d12	21.39	240	34041	0.40	ng	0.00
34) Perylene-d12	23.90	264	39490	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	4446	0.43	ng	0.00
5) Phenol-d6	7.00	99	6318	0.42	ng	0.00
8) Nitrobenzene-d5	8.99	82	3533m	0.63	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	8896	0.38	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1318	0.53	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	12347	0.37	ng	0.00
25) Fluoranthene-d10	19.24	212	113565	0.37	ng	0.00
29) Terphenyl-d14	19.84	244	17282	0.24	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.25	178	4833	0.070	ng	96
26) Fluoranthene	19.27	202	10085	0.104	ng	# 97
28) Pyrene	19.63	202	10143	0.088	ng	95
30) Benzo(a)anthracene	21.37	228	6058m	0.051	ng	
31) Chrysene	21.43	228	7361	0.061	ng	95
32) Bis(2-ethylhexyl)phthalate	21.31	149	30335	0.195	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.55	276	4636	0.036	ng	# 90
35) Benzo(b)fluoranthene	23.13	252	9927	0.073	ng	# 84
36) Benzo(k)fluoranthene	23.17	252	4554m	0.034	ng	
37) Benzo(a)pyrene	23.78	252	6363	0.050	ng	# 87
39) Benzo(g,h,i)perylene	27.38	276	4625	0.037	ng	# 89

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

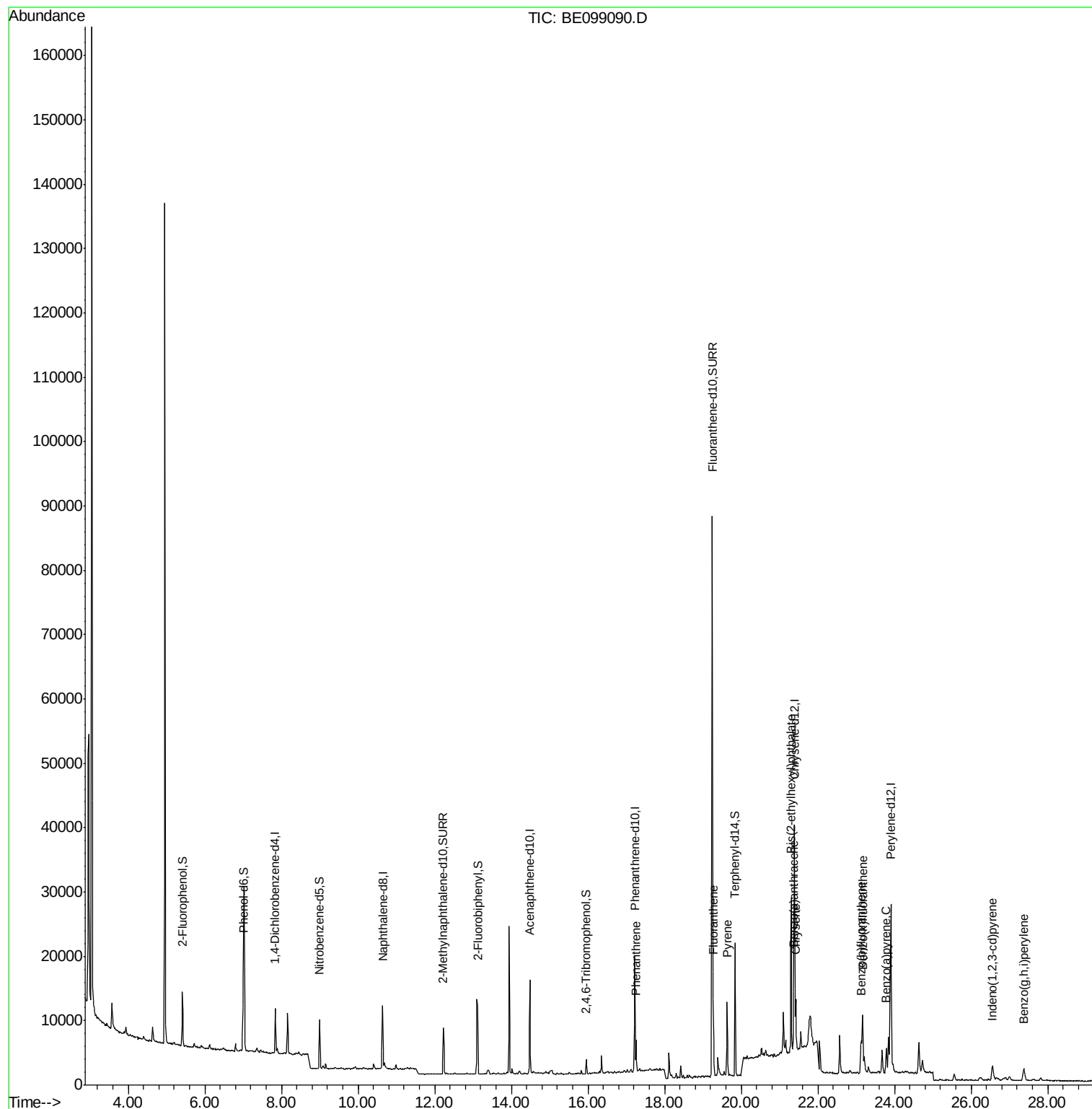
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
Data File : BE099090.D
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Operator : JU/SJ
Sample : K1948-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

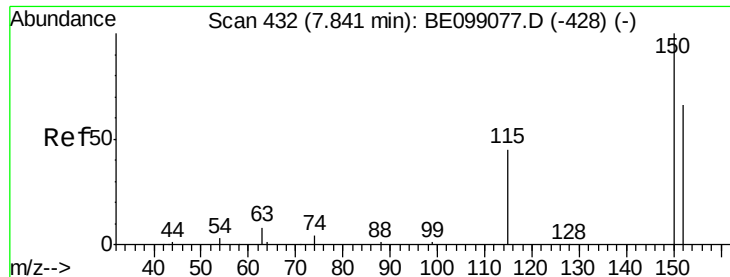
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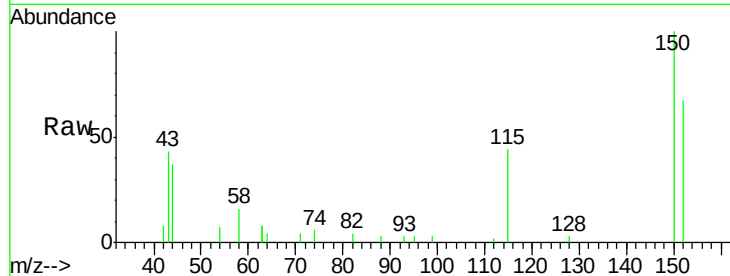




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

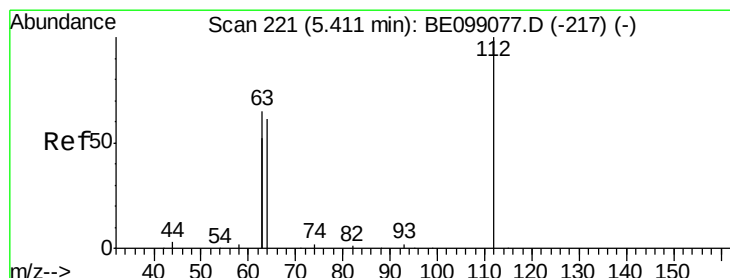
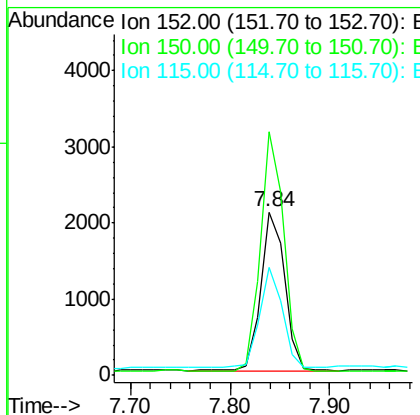
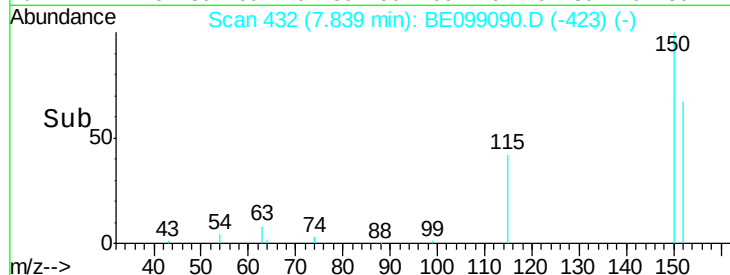
Instrument :
BNA_E
ClientSampleId :
INV-025-SW03-031319



Tgt Ion:152 Resp: 3485
Ion Ratio Lower Upper
152 100
150 148.8 122.5 183.7
115 66.1 57.4 86.2

Manual Integrations
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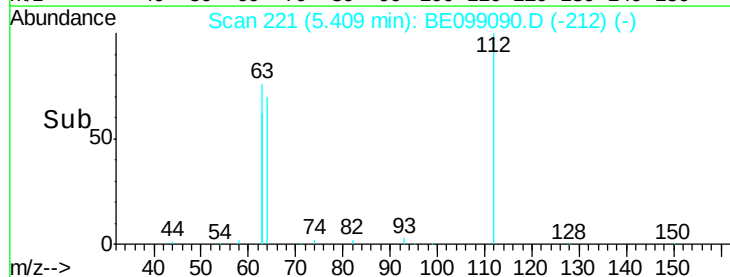
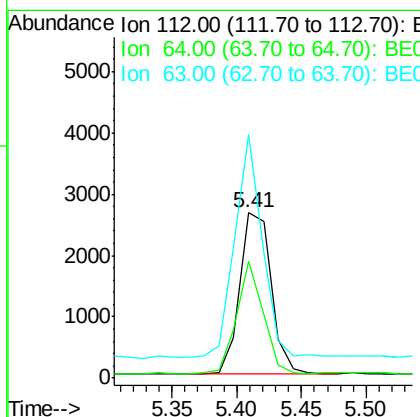
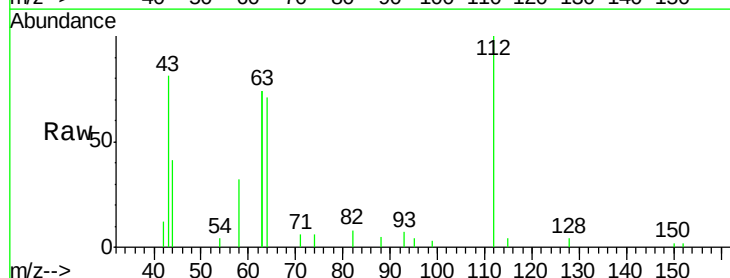
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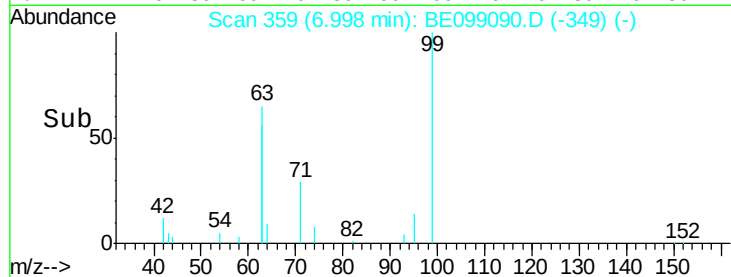
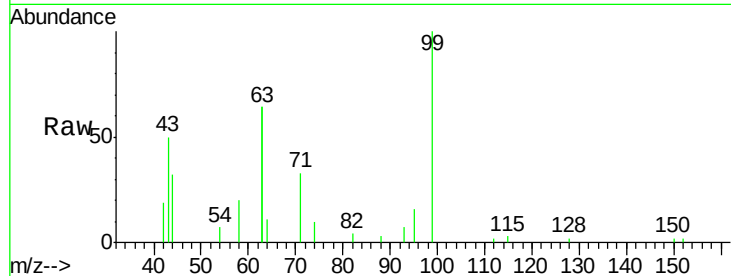
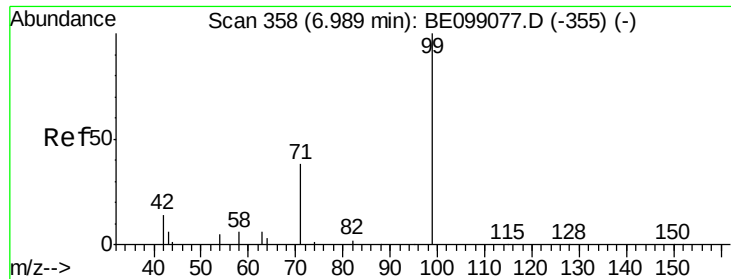


#4

2-Fluorophenol
Concen: 0.428 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

Tgt Ion:112 Resp: 4446
Ion Ratio Lower Upper
112 100
64 58.2 57.9 86.9
63 124.2 158.3 237.5#





#5

Phenol-d6

Concen: 0.423 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

Tgt Ion:	99	Resp:	6318
Ion	Ratio	Lower	Upper
99	100		
42	29.1	24.2	36.2
71	38.6	35.7	53.5

Instrument :

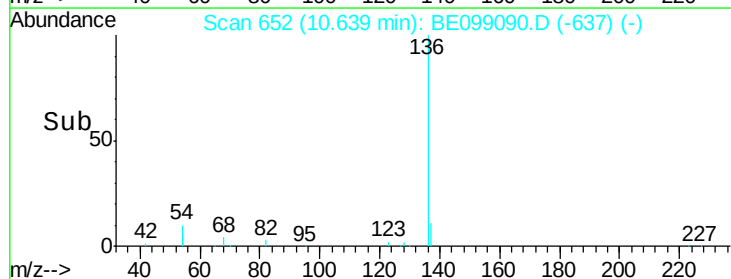
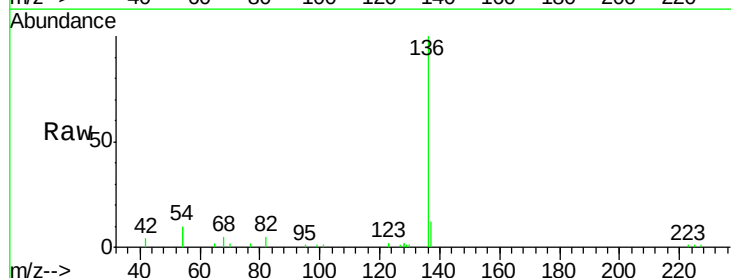
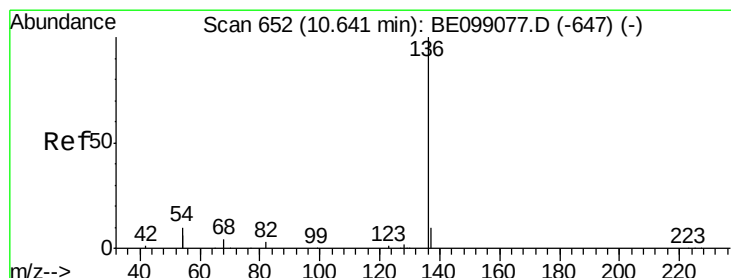
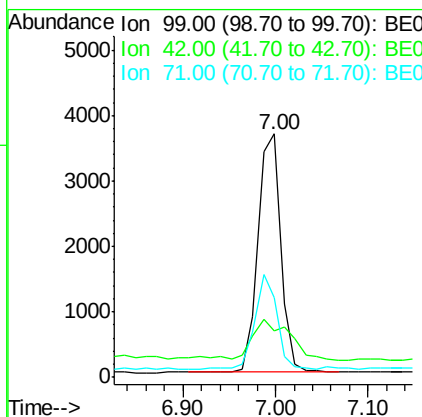
BNA_E

ClientSampleId :

INV-025-SW03-031319

Manual Integrations
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#7

Naphthalene-d8

Concen: 0.400 ng

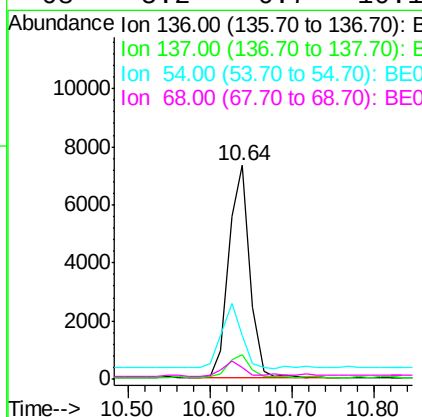
RT: 10.64 min Scan# 652

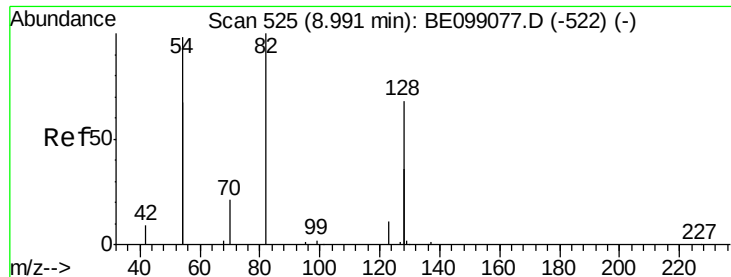
Delta R.T. -0.00 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

Tgt Ion:	136	Resp:	12900
Ion	Ratio	Lower	Upper
136	100		
137	11.6	11.4	17.0
54	20.2	39.3	58.9#
68	5.2	6.7	10.1#





#8

Nitrobenzene-d5

Concen: 0.626 ng m

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

Instrument :

BNA_E

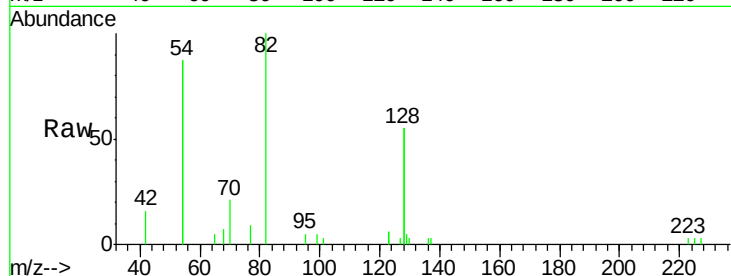
ClientSampleId :

INV-025-SW03-031319

Tgt Ion	Ratio	Lower	Upper
82	100		
128	55.0	123.8	185.8#
54	86.9	203.4	305.2#

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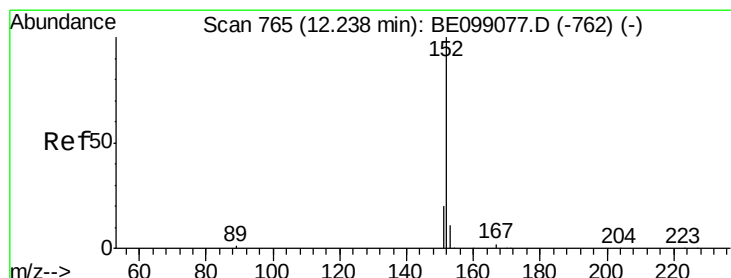
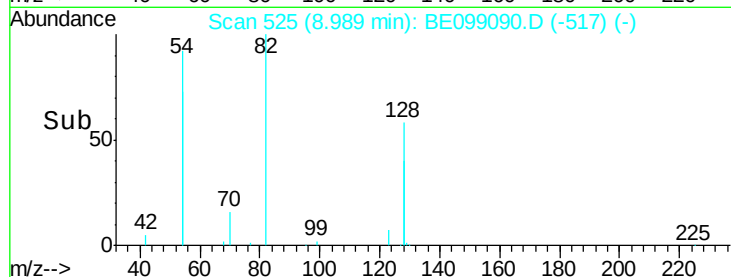
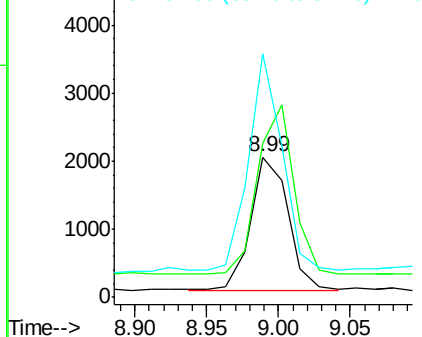
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Abundance Ion 82.00 (81.70 to 82.70): BE099077.D (-522) (-)

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: 0.383 ng

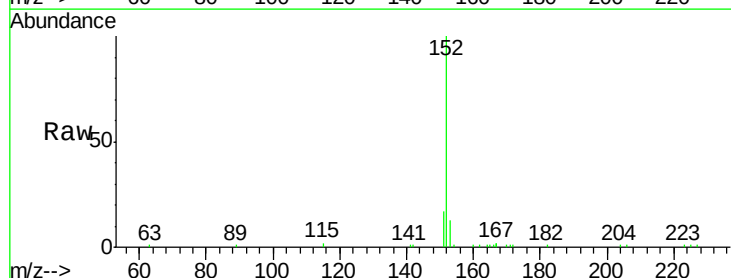
RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099090.D

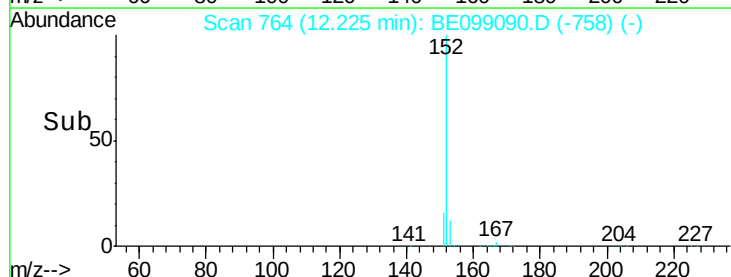
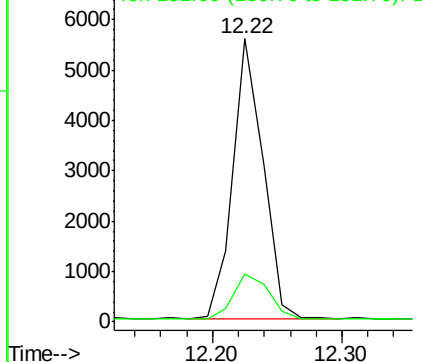
Acq: 22 Mar 2019 21:26

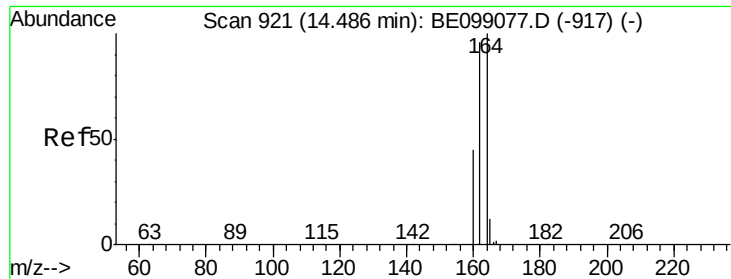
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.5	24.7



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

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





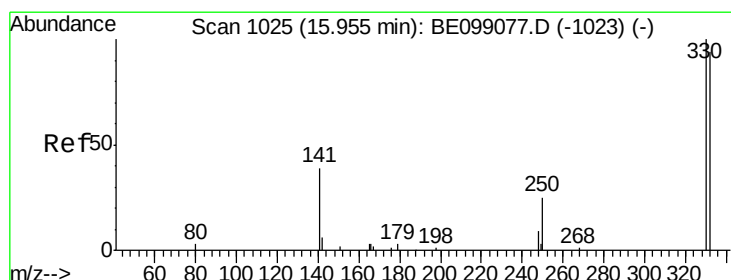
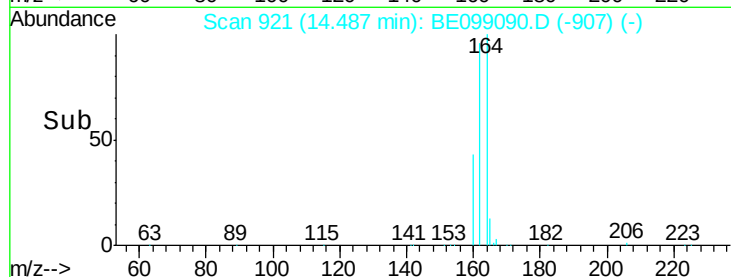
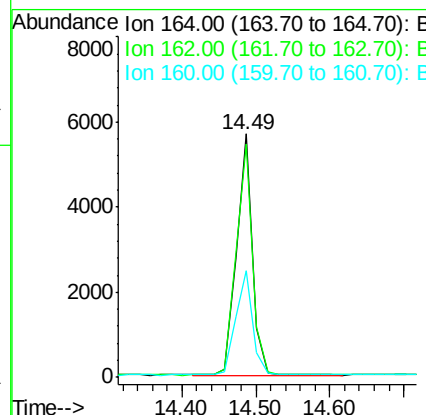
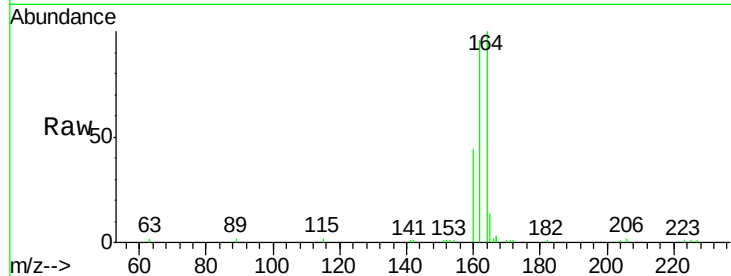
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

Instrument :
BNA_E
ClientSampleId :
INV-025-SW03-031319

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.8	80.2	120.2
160	43.8	37.8	56.8

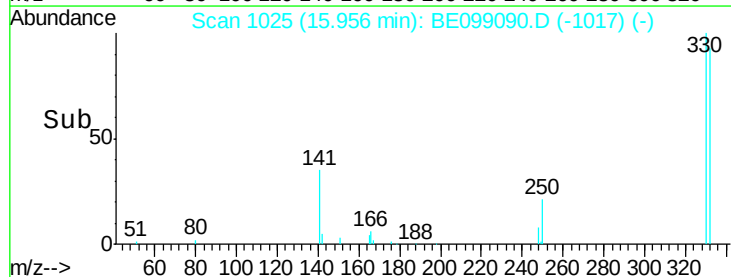
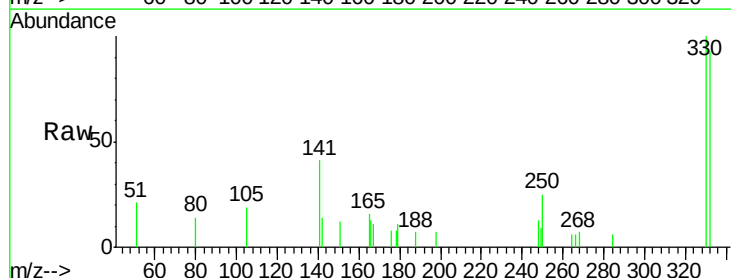
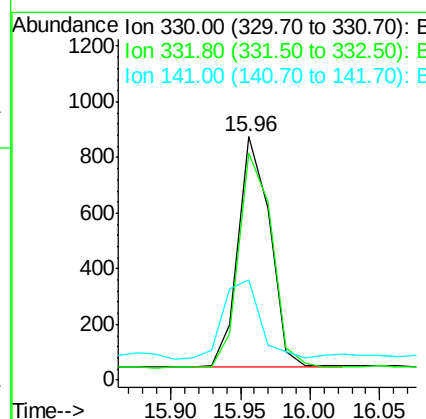
Manual Integrations
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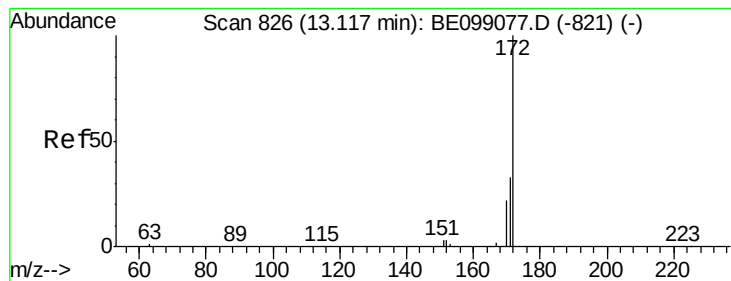
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#14
2,4,6-Tribromophenol
Concen: 0.529 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.6	116.4
141	40.1	31.0	46.4





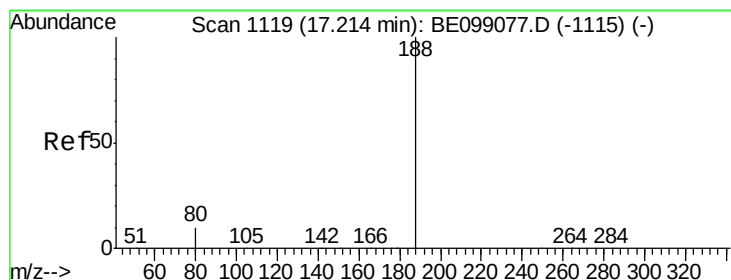
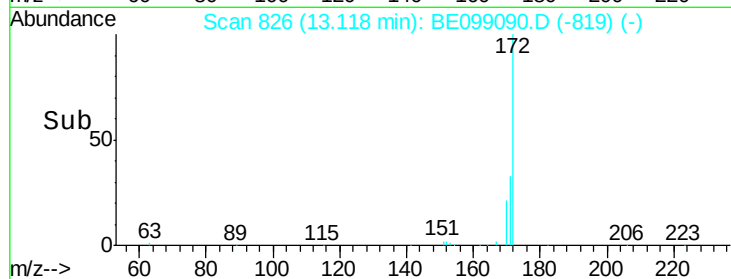
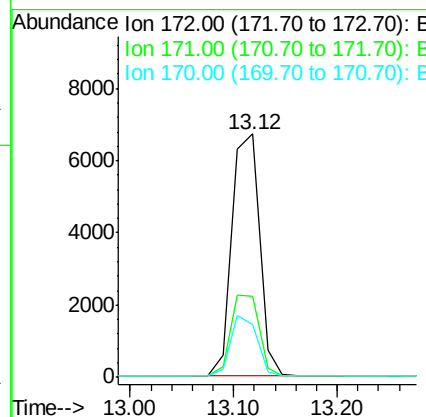
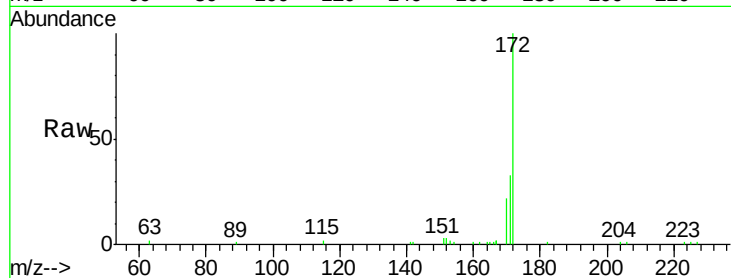
#15
2-Fluorobiphenyl
Concen: 0.366 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

Instrument :
BNA_E
ClientSampleId :
INV-025-SW03-031319

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.1	28.0	42.0
170	21.9	17.7	26.5

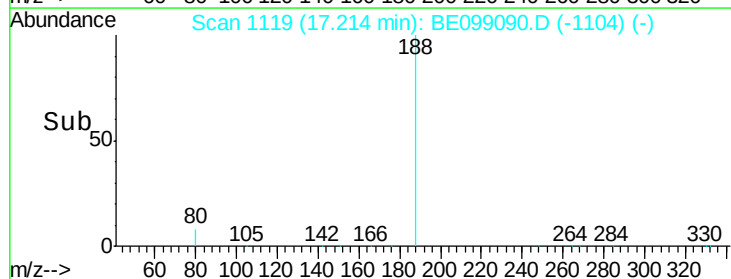
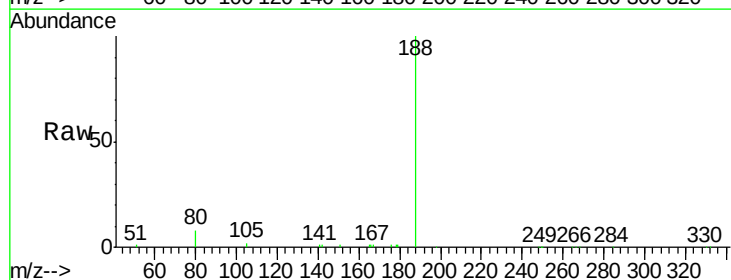
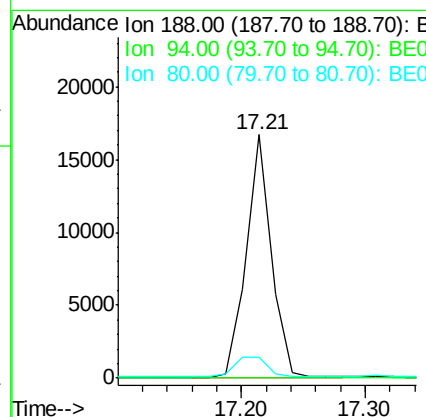
Manual Integrations
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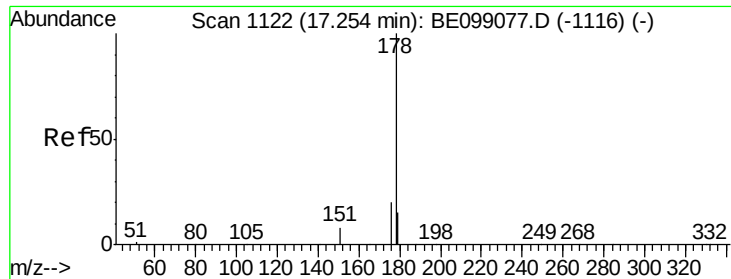
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	6.3	9.5





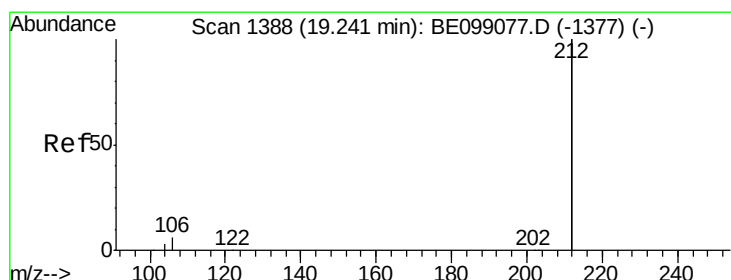
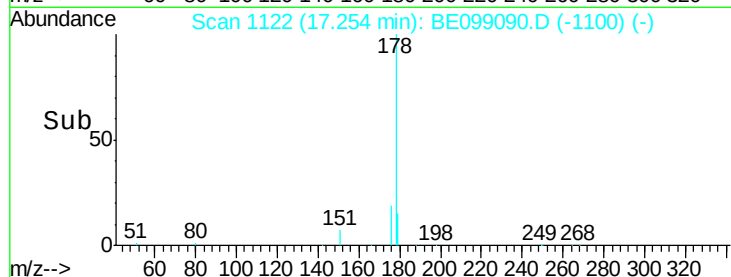
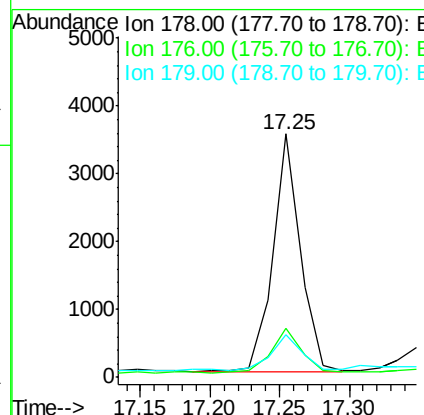
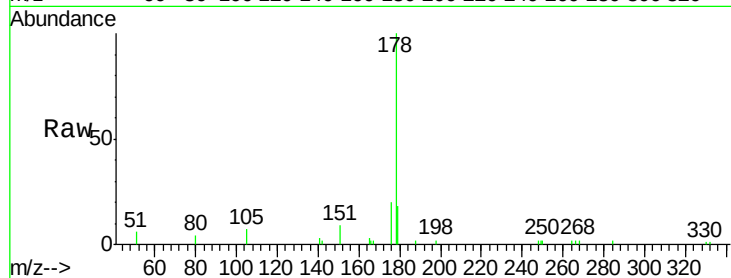
#23
Phenanthrene
Concen: 0.070 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

Instrument :
BNA_E
ClientSampleId :
INV-025-SW03-031319

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.6	16.0	24.0
179	17.5	12.1	18.1

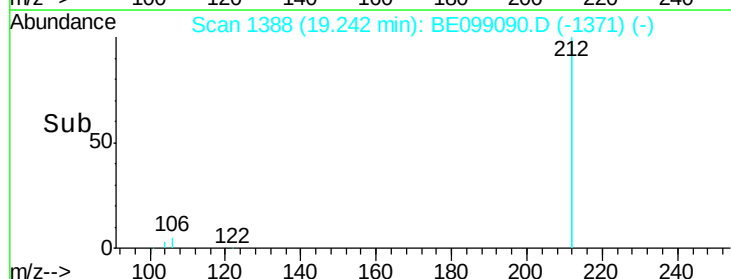
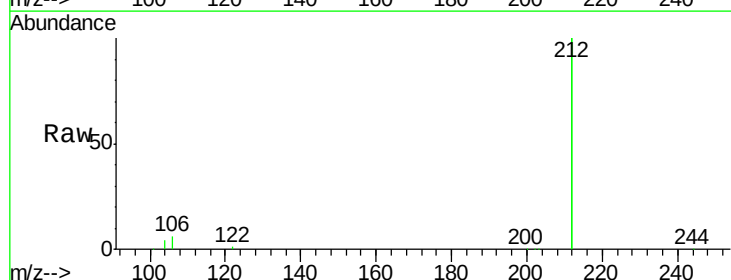
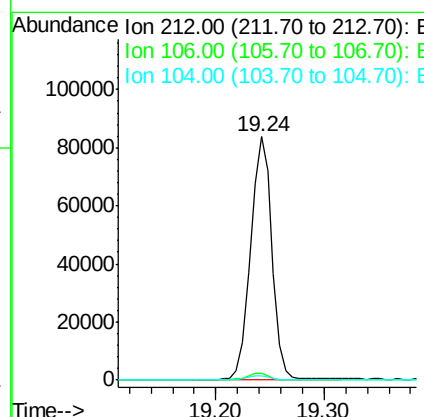
Manual Integrations
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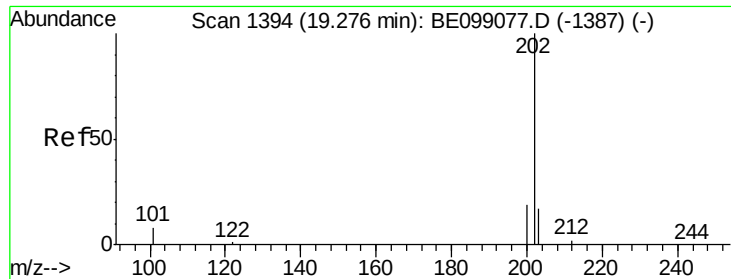
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#25
Fluoranthene-d10
Concen: 0.366 ng
RT: 19.24 min Scan# 1388
Delta R.T. 0.00 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

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





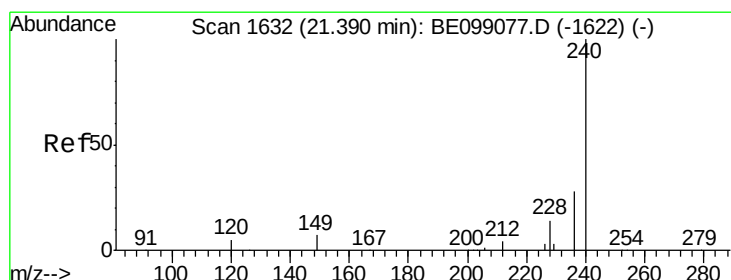
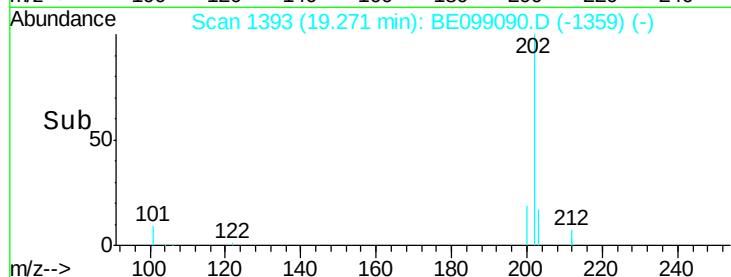
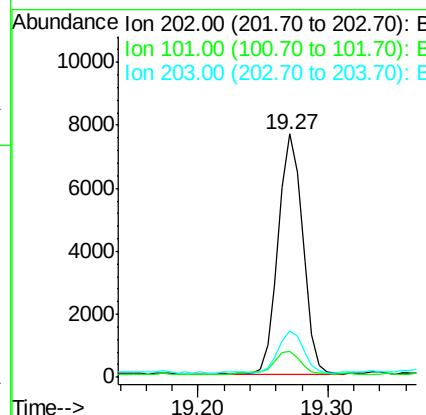
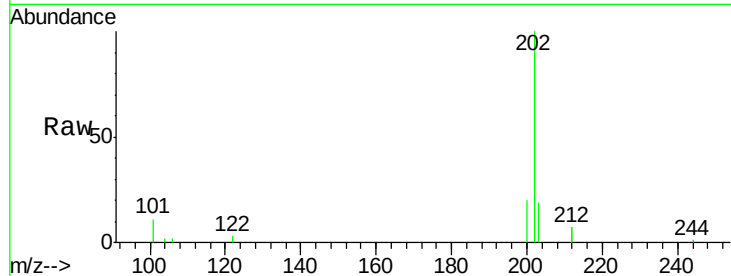
#26
Fluoranthene
Concen: 0.104 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

Instrument :
BNA_E
ClientSampleId :
INV-025-SW03-031319

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.0	7.3	10.9#
203	17.4	13.4	20.2

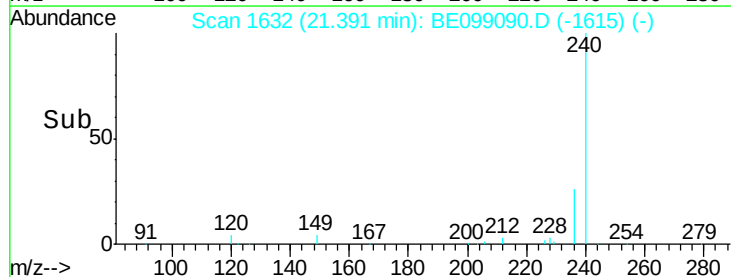
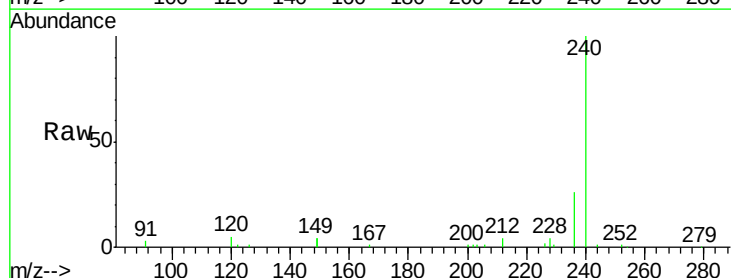
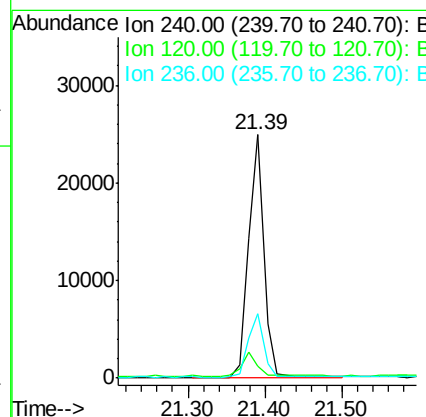
Manual Integrations
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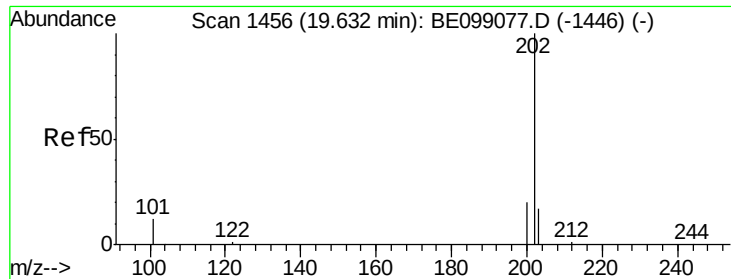
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	4.9	5.0	7.4#
236	26.5	22.7	34.1





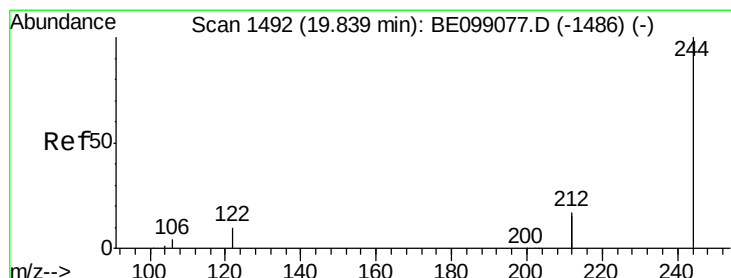
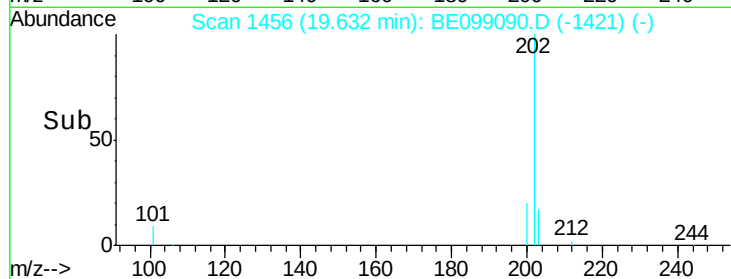
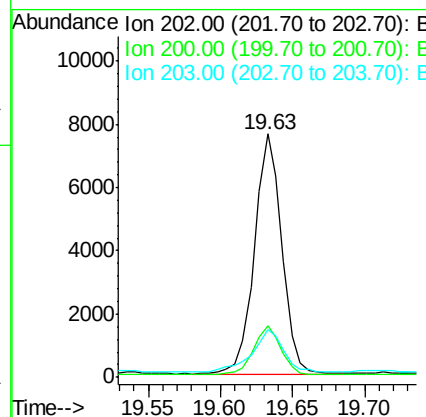
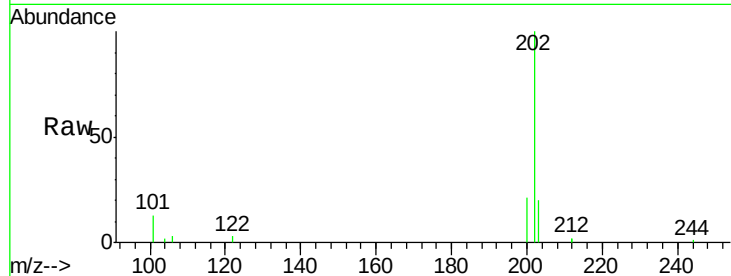
#28
 Pyrene
 Concen: 0.088 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BE099090.D
 Acq: 22 Mar 2019 21:26

Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW03-031319

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.0	25.6
203	21.0	14.2	21.2

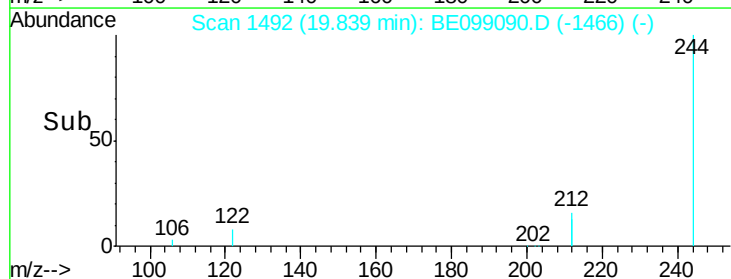
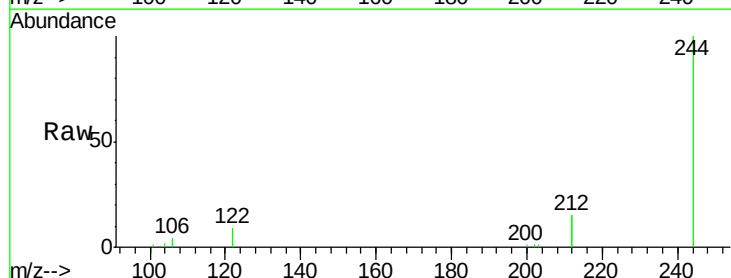
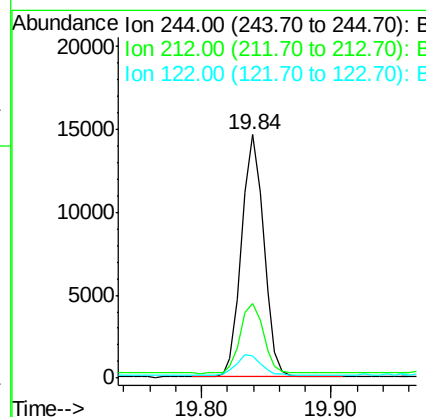
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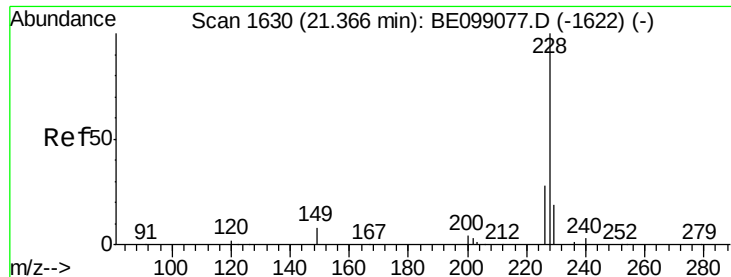
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#29
 Terphenyl-d14
 Concen: 0.240 ng
 RT: 19.84 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BE099090.D
 Acq: 22 Mar 2019 21:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	30.9	29.4	44.2
122	9.2	7.1	10.7





#30

Benzo(a)anthracene

Concen: 0.051 ng m

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

Instrument :

BNA_E

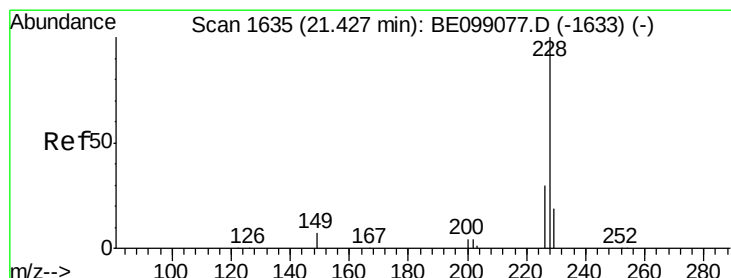
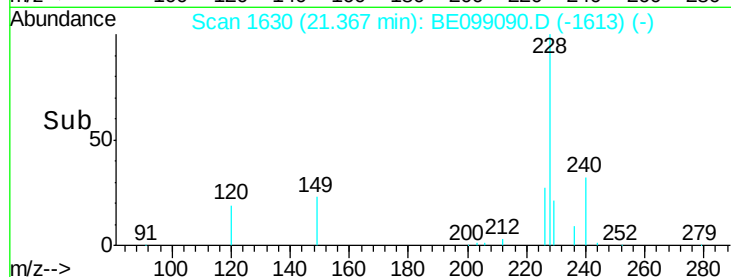
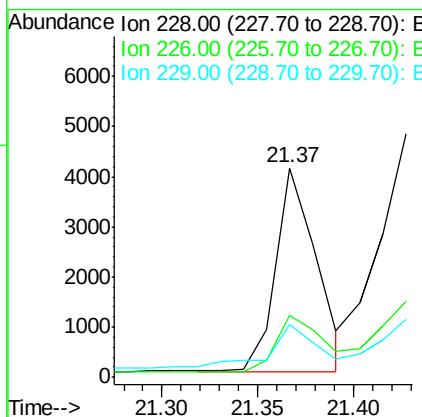
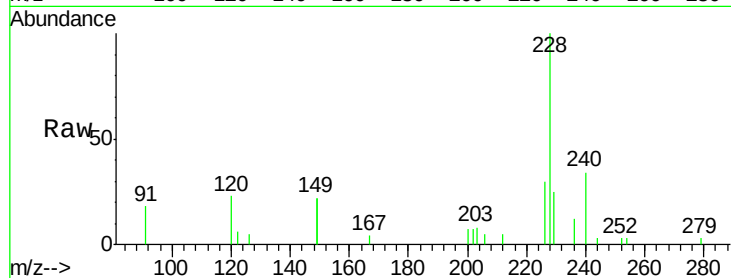
ClientSampleId :

INV-025-SW03-031319

Tgt Ion:	228	Resp:	6058
Ion Ratio	Lower	Upper	
228	100		
226	29.8	23.0	34.4
229	25.4	16.5	24.7

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#31

Chrysene

Concen: 0.061 ng

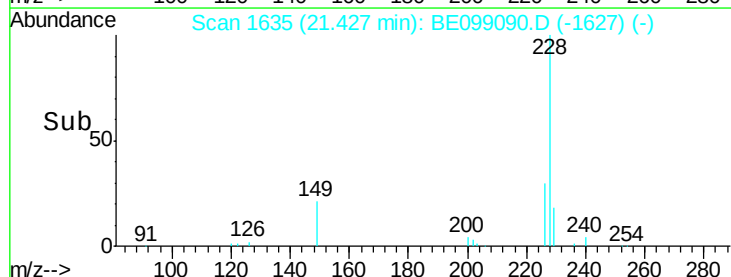
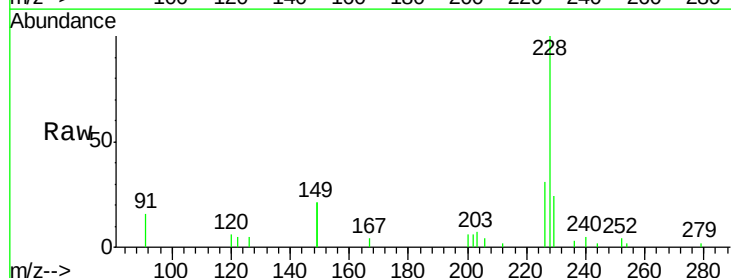
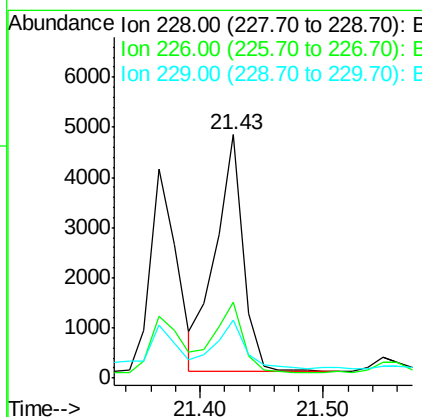
RT: 21.43 min Scan# 1635

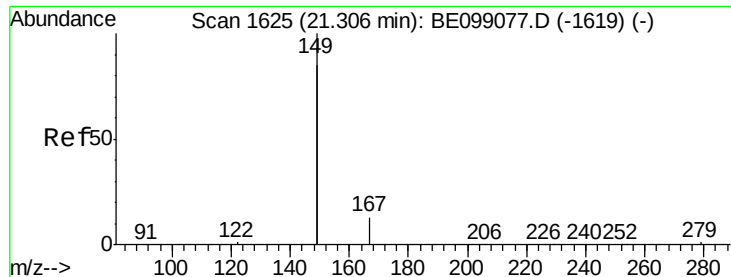
Delta R.T. 0.00 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

Tgt Ion:	228	Resp:	7361
Ion Ratio	Lower	Upper	
228	100		
226	31.1	23.7	35.5
229	23.7	16.1	24.1





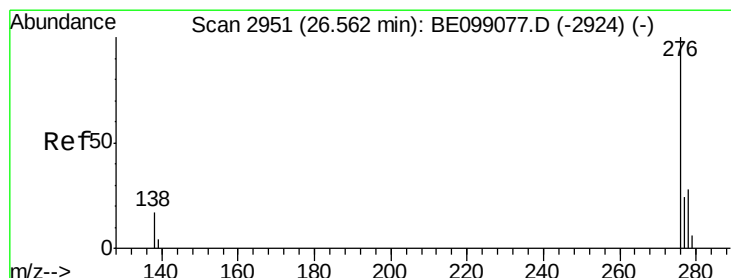
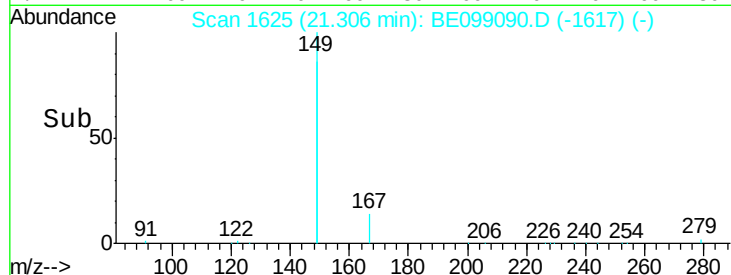
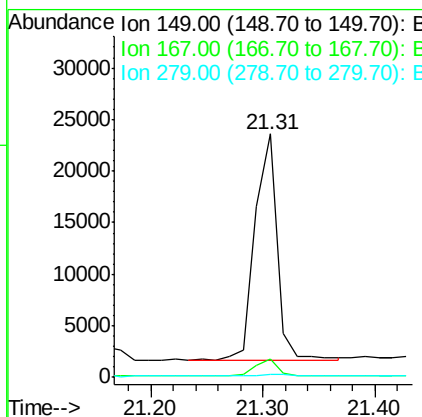
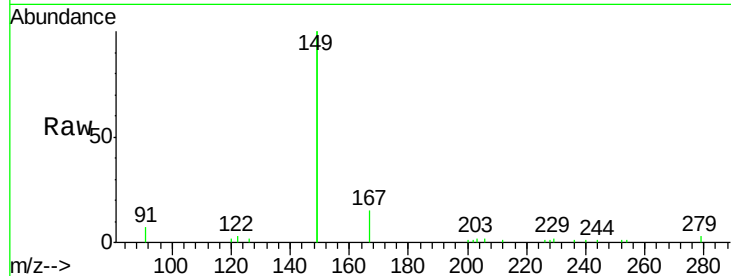
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.195 ng
 RT: 21.31 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BE099090.D
 Acq: 22 Mar 2019 21:26

Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW03-031319

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

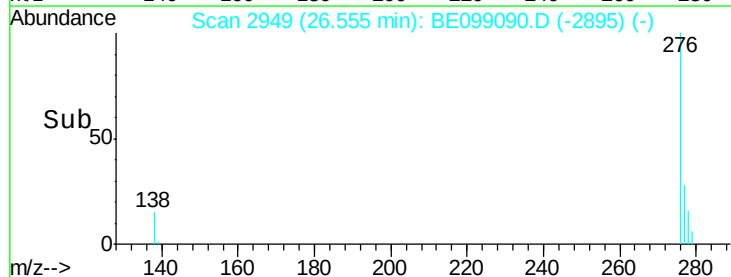
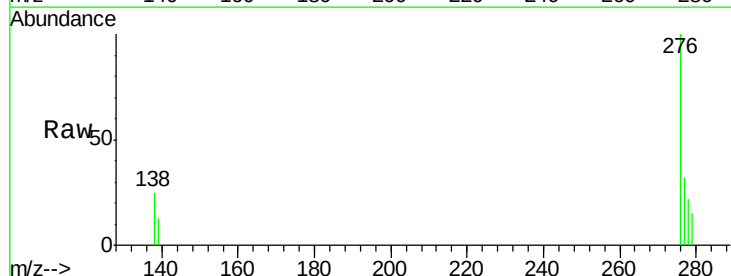
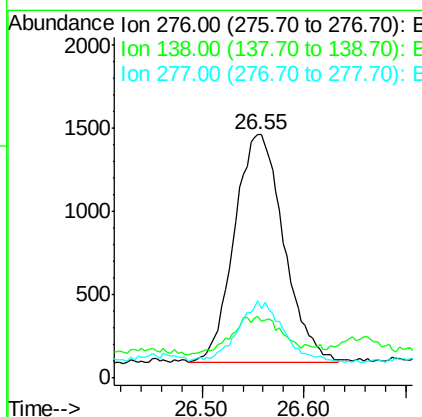
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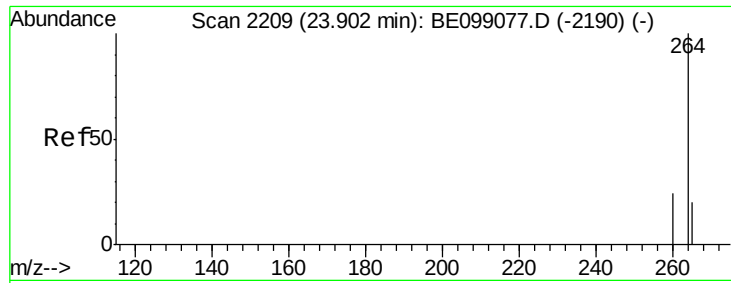
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.036 ng
 RT: 26.55 min Scan# 2949
 Delta R.T. -0.01 min
 Lab File: BE099090.D
 Acq: 22 Mar 2019 21:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	6.9	13.8	20.8#
277	24.2	19.5	29.3





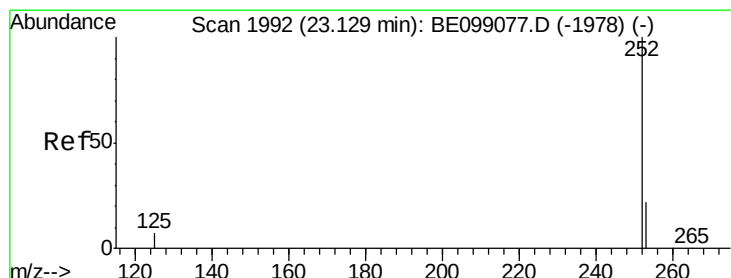
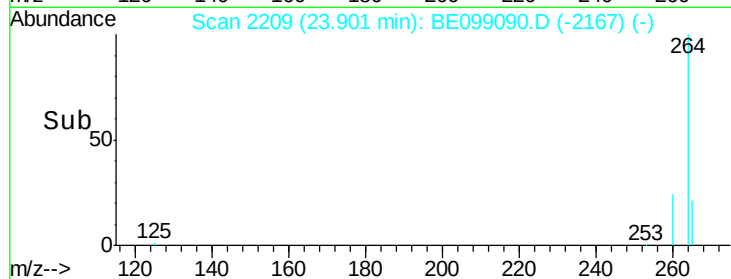
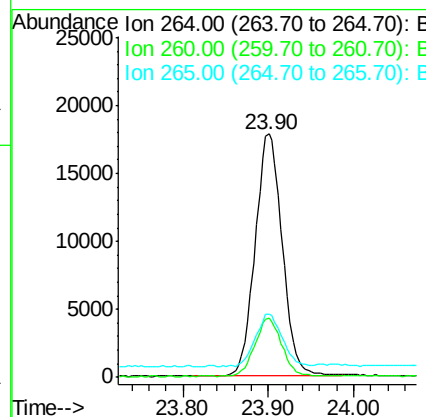
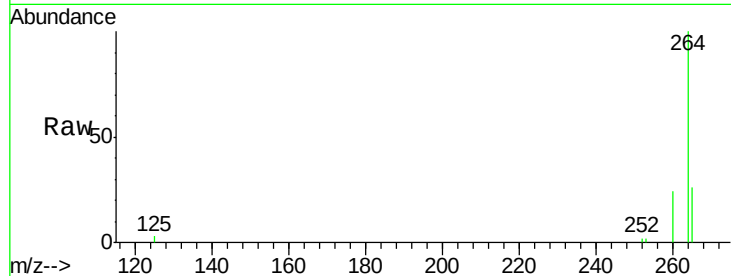
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: BE099090.D
 Acq: 22 Mar 2019 21:26

Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW03-031319

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	39490		
260	24.1		21.2	31.8
265	25.7		24.6	36.8

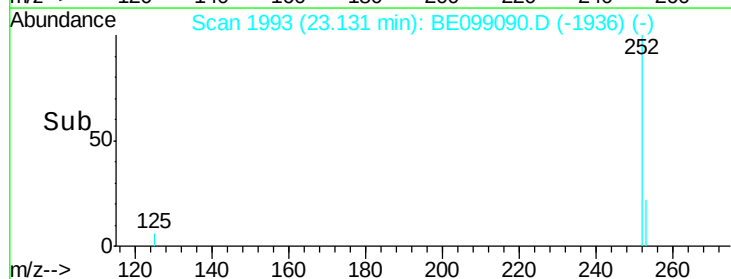
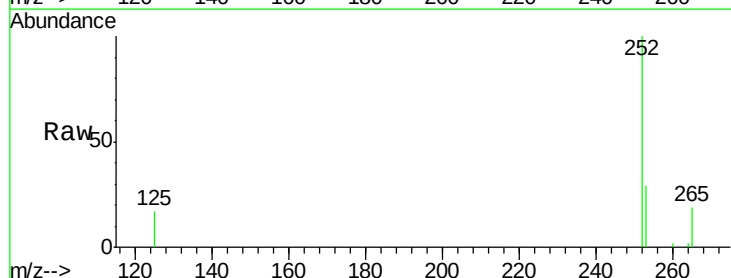
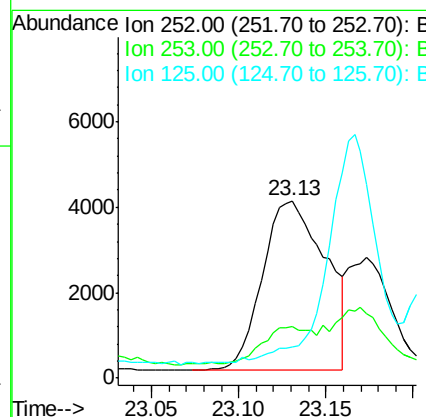
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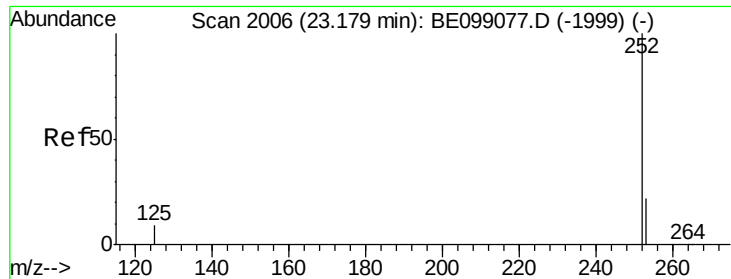
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#35
Benzo(b)fluoranthene
 Concen: 0.073 ng
 RT: 23.13 min Scan# 1993
 Delta R.T. 0.00 min
 Lab File: BE099090.D
 Acq: 22 Mar 2019 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	9927		
253	29.2		18.2	27.2#
125	17.5		7.3	10.9#





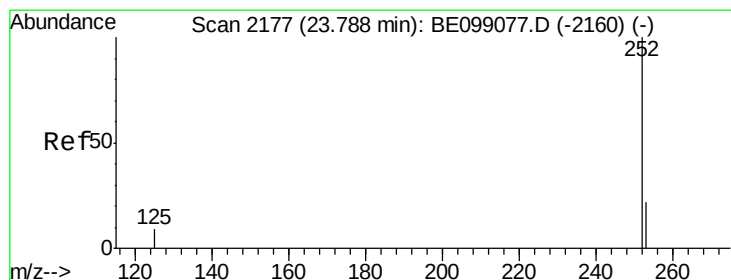
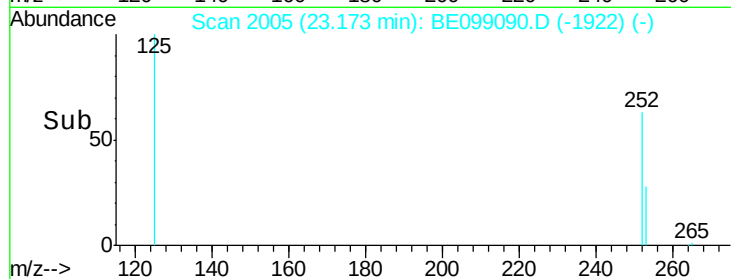
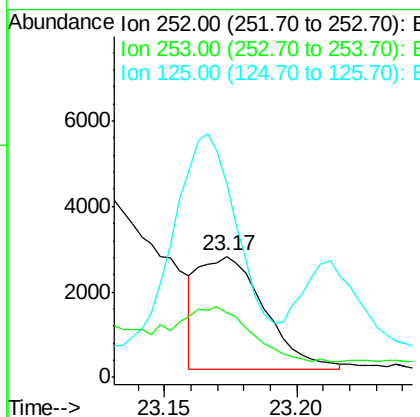
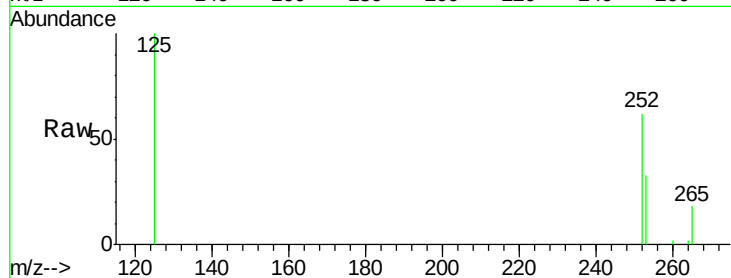
#36
Benzo(k)fluoranthene
Concen: 0.034 ng m
RT: 23.17 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

Instrument :
BNA_E
ClientSampleId :
INV-025-SW03-031319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	53.2	19.3	28.9#
125	160.1	7.5	11.3#

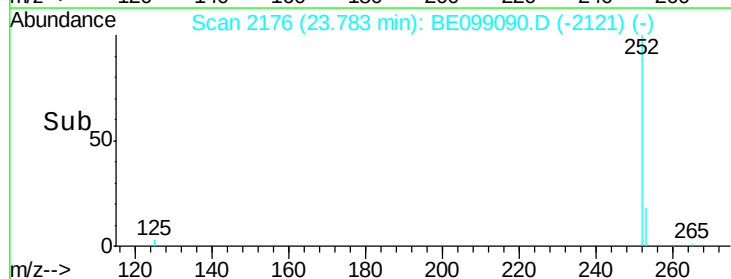
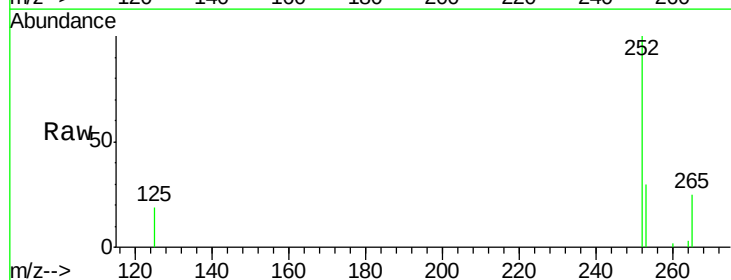
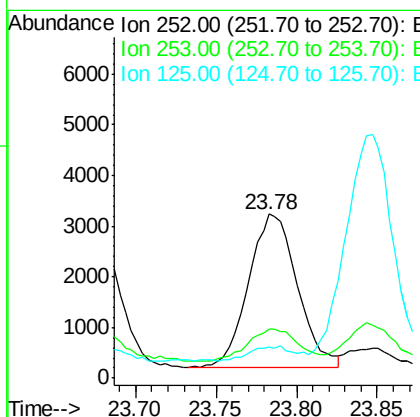
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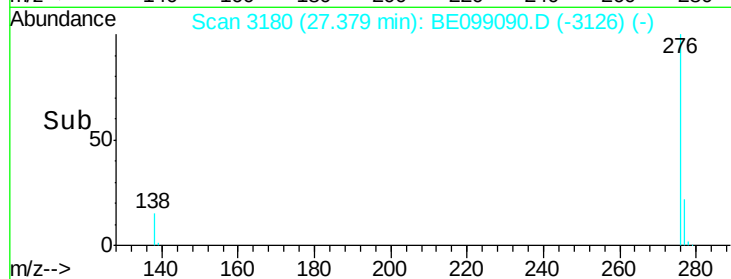
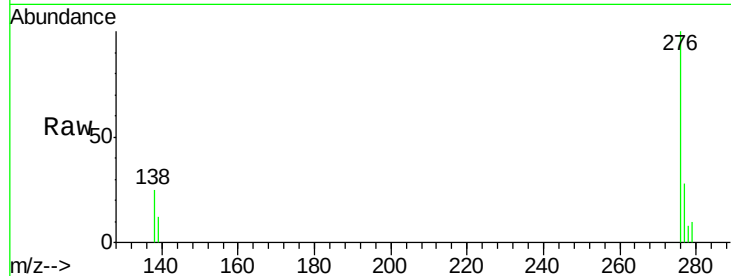
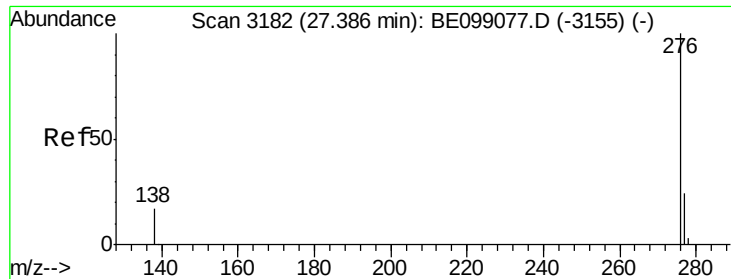
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#37
Benzo(a)pyrene
Concen: 0.050 ng
RT: 23.78 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BE099090.D
Acq: 22 Mar 2019 21:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.7	19.9	29.9
125	19.1	9.0	13.4#





#39

Benzo(g,h,i)perylene

Concen: 0.037 ng

RT: 27.38 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BE099090.D

Acq: 22 Mar 2019 21:26

Instrument :

BNA_E

ClientSampleId :

INV-025-SW03-031319

Tgt Ion:	276	Resp:	4625
Ion Ratio	Lower	Upper	
276	100		
277	28.3	20.4	30.6
138	25.0	13.6	20.4

Manual Integrations
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