

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
 Data File : BE099538.D
 Acq On : 3 May 2019 20:06
 Operator : JU/SJ
 Sample : K2568-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-073-SW062-042219

Manual Integrations
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 5/7/2019 11:57:09 PM

Quant Time: May 04 02:02:05 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 29 18:36:43 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2551	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	10042	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	7745	0.40	ng	0.01
19) Phenanthrene-d10	17.20	188	21763	0.40	ng	0.01
27) Chrysene-d12	21.38	240	25096	0.40	ng	0.01
34) Perylene-d12	23.89	264	29928	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2194	0.31	ng	0.00
5) Phenol-d6	6.98	99	3213	0.34	ng	0.00
8) Nitrobenzene-d5	8.96	82	2766	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	5103	0.28	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	1600	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	7728	0.26	ng	0.00
25) Fluoranthene-d10	19.23	212	70749	0.24	ng	0.01
29) Terphenyl-d14	19.82	244	15743	0.34	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	2226	0.020	ng	# 91
16) Acenaphthylene	14.18	152	1623	0.043	ng	# 96
17) Acenaphthene	14.53	154	455	0.021	ng	92
18) Fluorene	15.50	166	1118	0.035	ng	# 96
23) Phenanthrene	17.24	178	46783	0.833	ng	99
24) Anthracene	17.34	178	3538	0.066	ng	# 89
26) Fluoranthene	19.26	202	235076	2.795	ng	99
28) Pyrene	19.62	202	195947	2.995	ng	# 95
30) Benzo(a)anthracene	21.35	228	102339	1.280	ng	95
31) Chrysene	21.41	228	153720	1.965	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	191221	1.624	ng	99
33) Indeno(1,2,3-cd)pyrene	26.55	276	93919	1.016	ng	# 92
35) Benzo(b)fluoranthene	23.11	252	216943	2.514	ng	97
36) Benzo(k)fluoranthene	23.16	252	65959m	0.793	ng	
37) Benzo(a)pyrene	23.77	252	116341	1.426	ng	97
38) Dibenzo(a,h)anthracene	26.57	278	18698	0.224	ng	# 66
39) Benzo(g,h,i)perylene	27.37	276	89100	1.066	ng	95

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

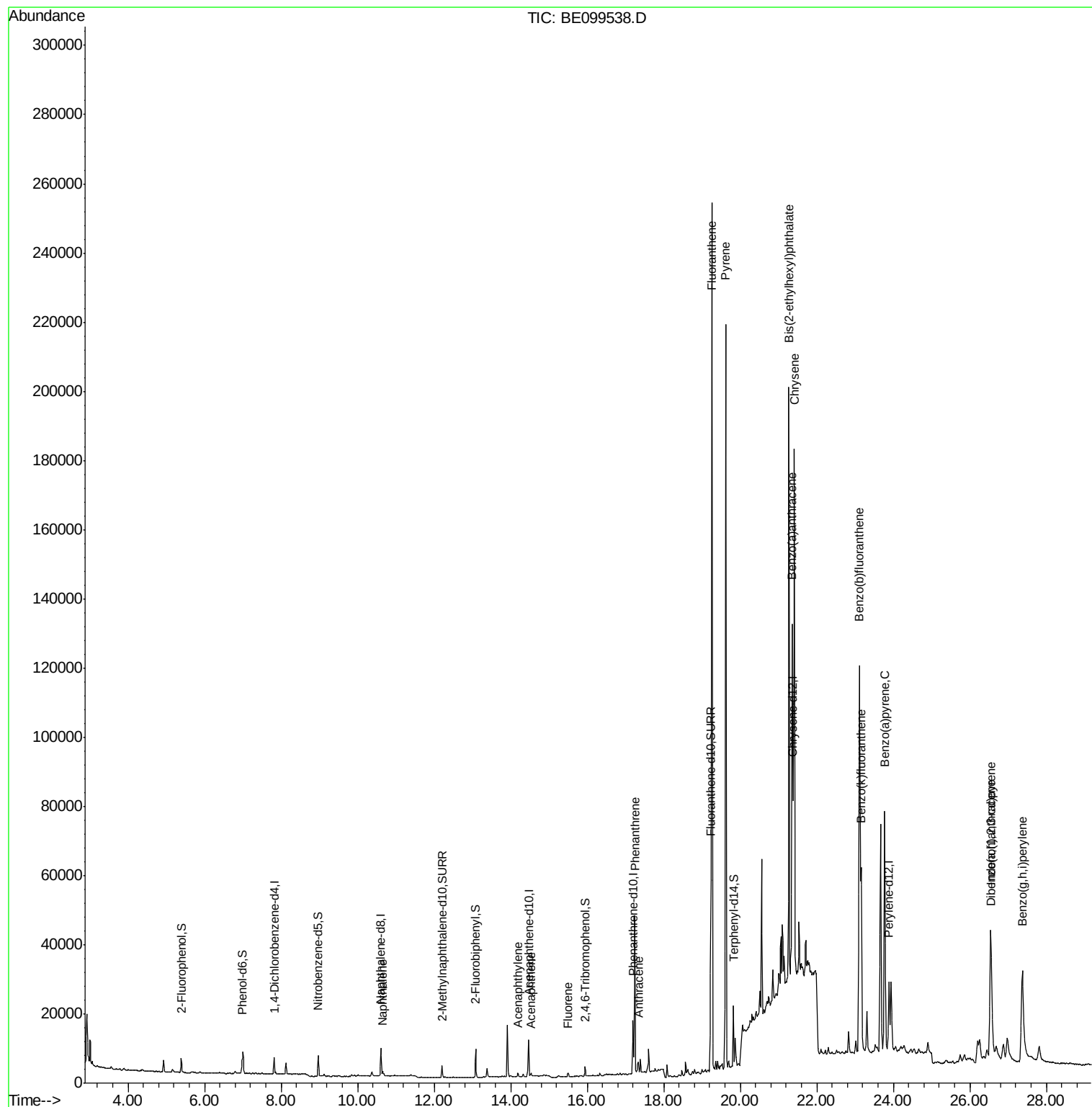
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
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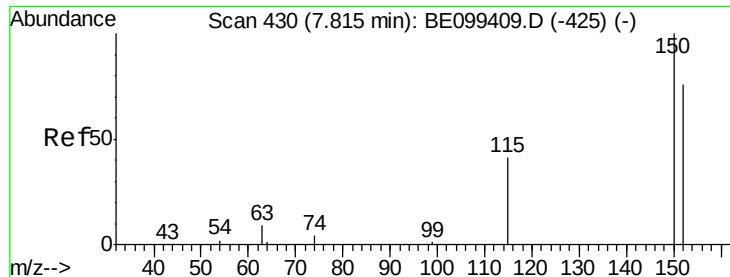
Instrument :
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EXT-073-SW062-042219

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099538.D

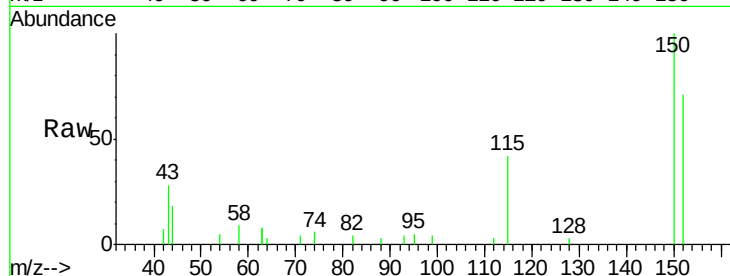
Acq: 3 May 2019 20:06

Instrument :

BNA_E

ClientSampleId :

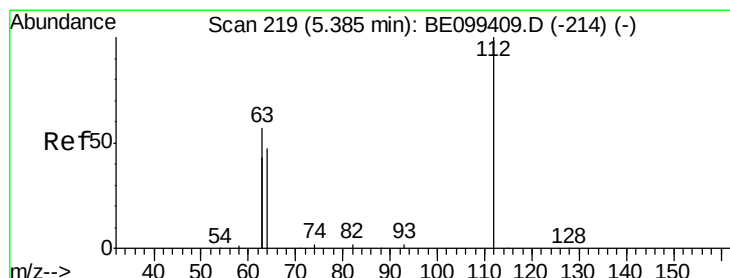
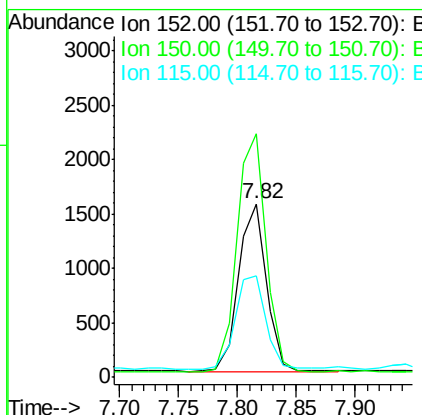
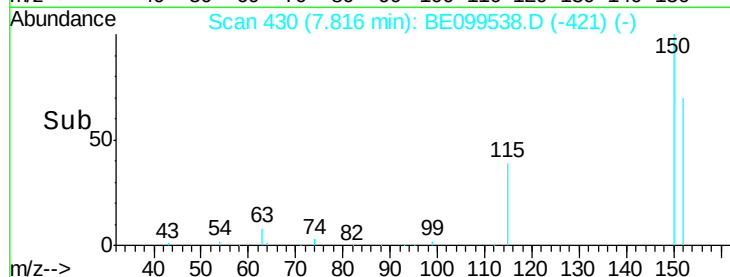
EXT-073-SW062-042219



Tgt Ion:	152	Resp:	2551
Ion Ratio	Lower	Upper	
152	100		
150	140.3	104.8	157.2
115	58.7	46.6	69.8

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#4

2-Fluorophenol

Concen: 0.311 ng

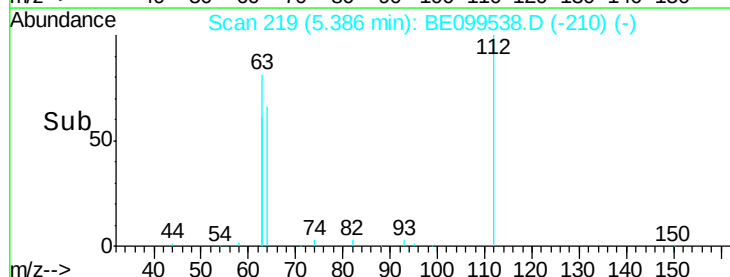
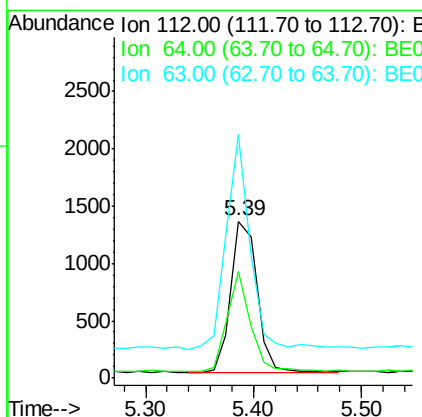
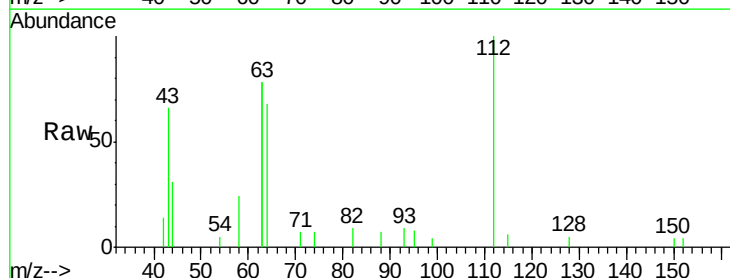
RT: 5.39 min Scan# 219

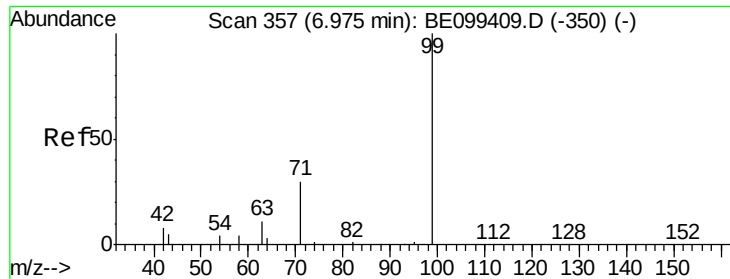
Delta R.T. 0.00 min

Lab File: BE099538.D

Acq: 3 May 2019 20:06

Tgt Ion:	112	Resp:	2194
Ion Ratio	Lower	Upper	
112	100		
64	59.5	47.4	71.0
63	130.4	104.3	156.5





#5

Phenol-d6

Concen: 0.342 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099538.D

Acq: 3 May 2019 20:06

Instrument :

BNA_E

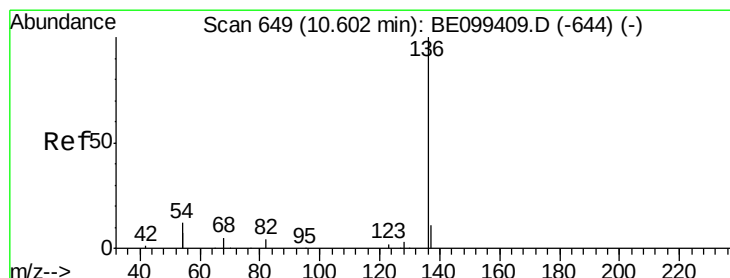
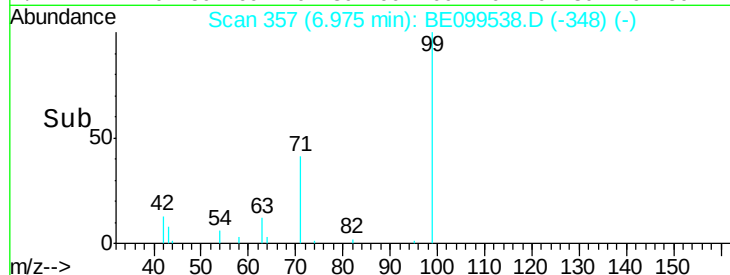
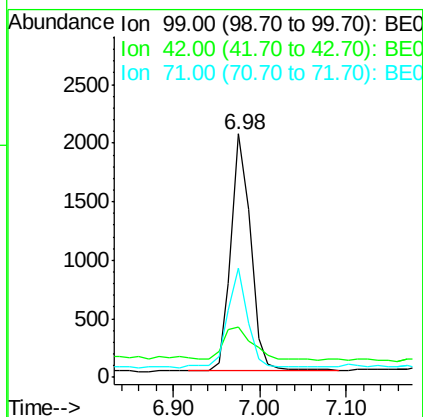
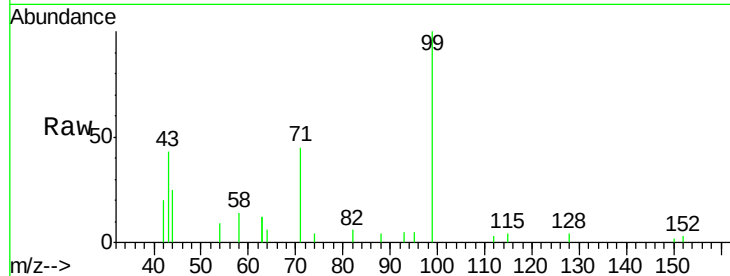
ClientSampleId :

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Tgt Ion:	99	Resp:	3213
Ion	Ratio	Lower	Upper
99	100		
42	22.3	14.9	22.3
71	41.7	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

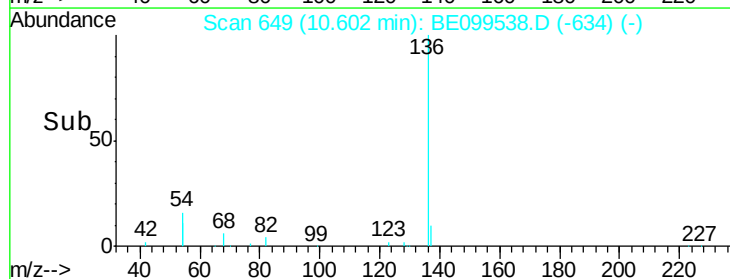
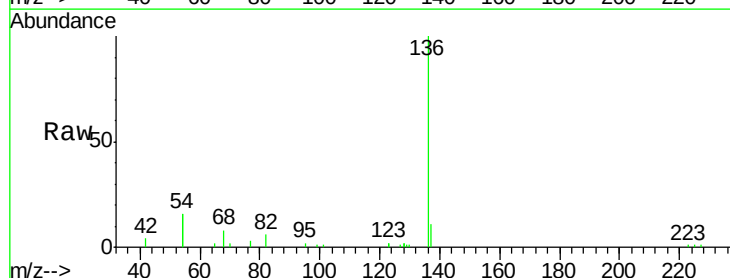
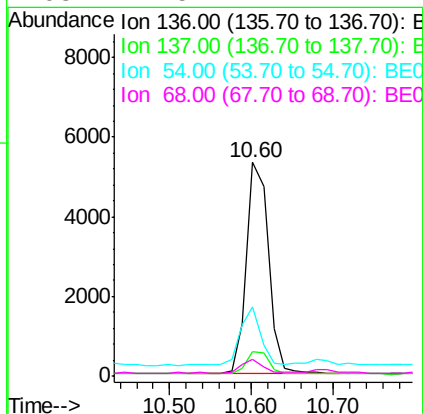
RT: 10.60 min Scan# 649

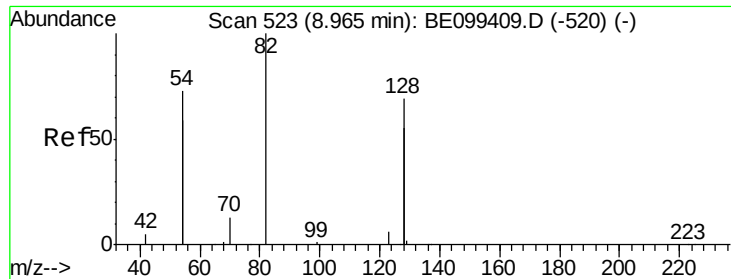
Delta R.T. -0.00 min

Lab File: BE099538.D

Acq: 3 May 2019 20:06

Tgt Ion:	136	Resp:	10042
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.8	14.8
54	32.6	18.5	27.7#
68	7.5	4.7	7.1#





#8

Nitrobenzene-d5

Concen: 0.294 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099538.D

Acq: 3 May 2019 20:06

Instrument :

BNA_E

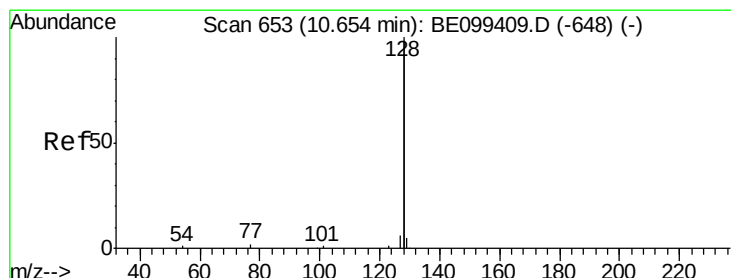
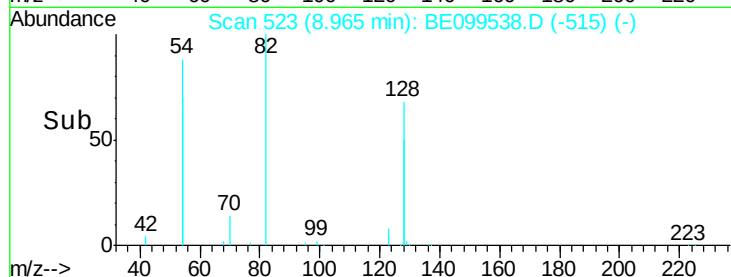
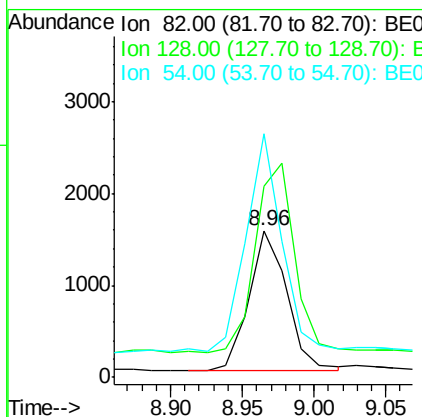
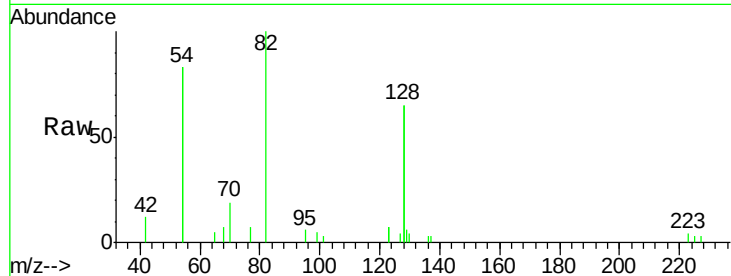
ClientSampleId :

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Tgt Ion:	82	Resp:	2766
Ion	Ratio	Lower	Upper
82	100		
128	129.9	107.0	160.4
54	165.9	113.1	169.7

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#9

Naphthalene

Concen: 0.020 ng

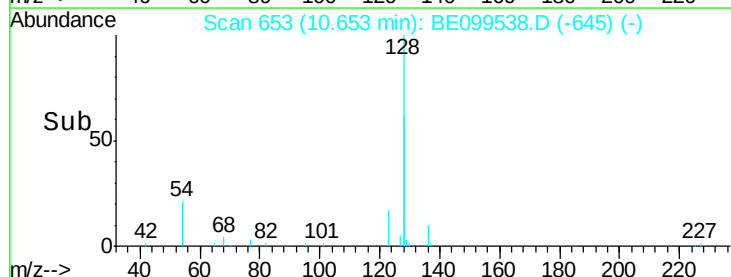
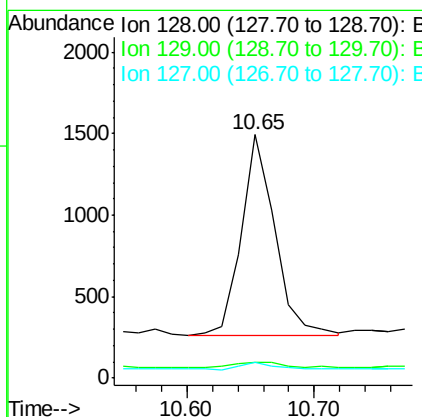
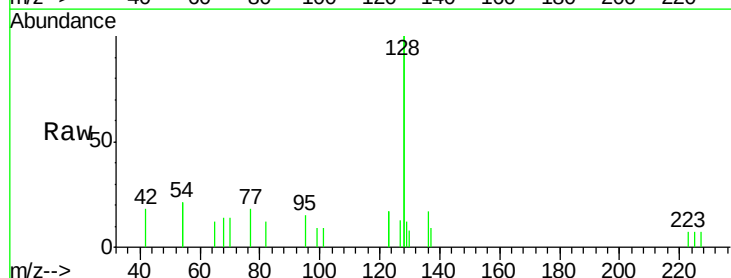
RT: 10.65 min Scan# 653

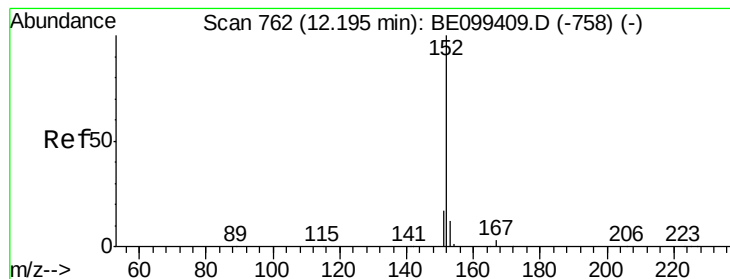
Delta R.T. -0.00 min

Lab File: BE099538.D

Acq: 3 May 2019 20:06

Tgt Ion:	128	Resp:	2226
Ion	Ratio	Lower	Upper
128	100		
129	6.2	2.4	3.6#
127	6.5	2.8	4.2#





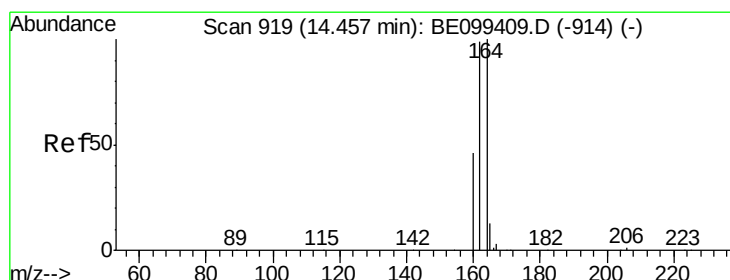
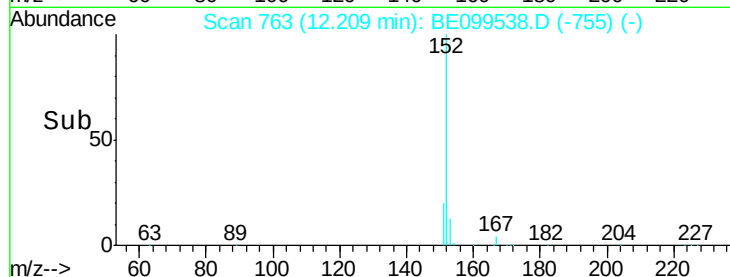
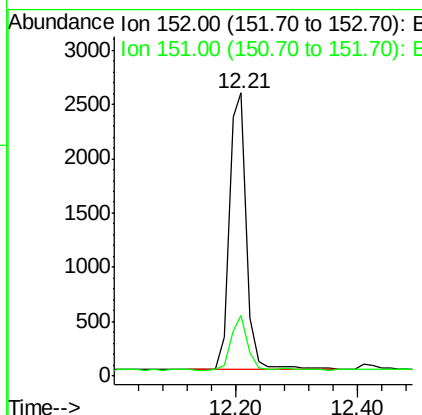
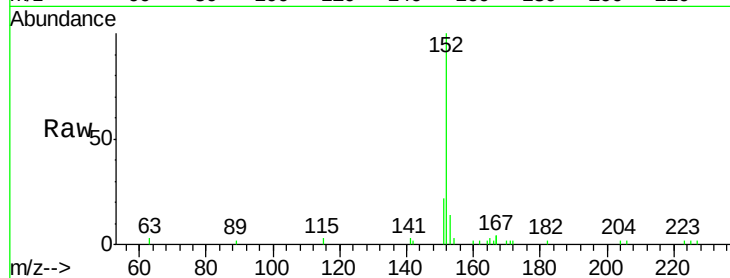
#11
 2-Methylnaphthalene-d10
 Concen: 0.282 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099538.D
 Acq: 3 May 2019 20:06

Instrument :
 BNA_E
 ClientSampleId :
 EXT-073-SW062-042219

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.5	23.3

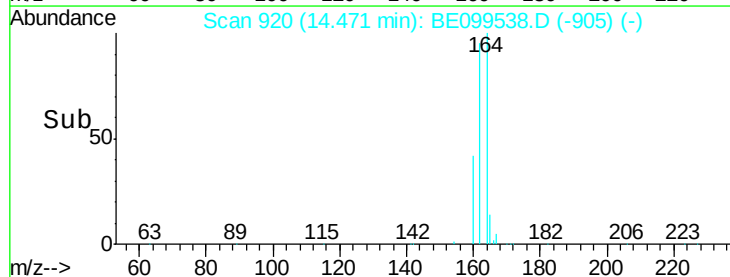
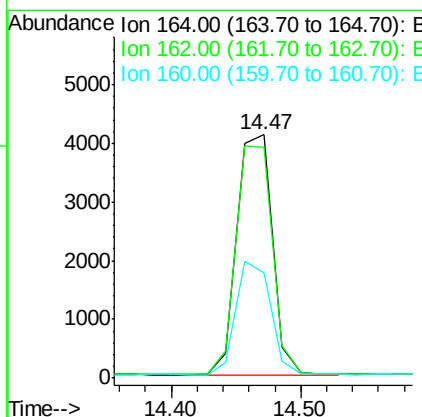
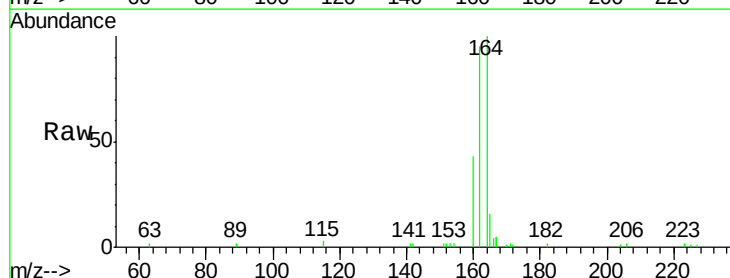
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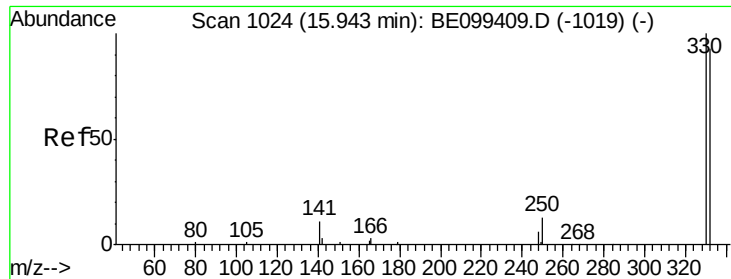
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: BE099538.D
 Acq: 3 May 2019 20:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.7	79.0	118.4
160	43.0	37.0	55.4





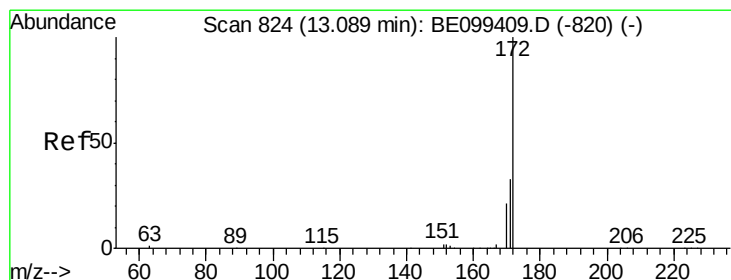
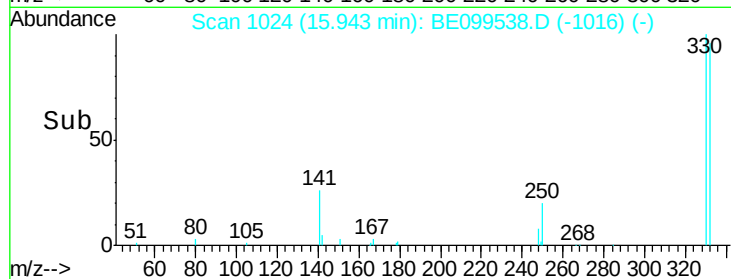
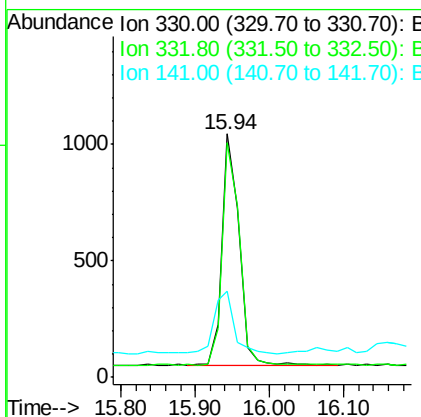
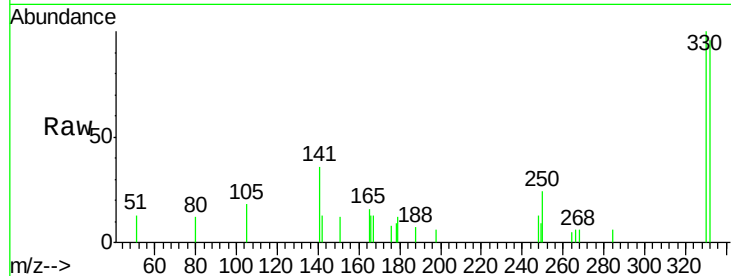
#14
 2,4,6-Tribromophenol
 Concen: 0.328 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099538.D
 Acq: 3 May 2019 20:06

Instrument :
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 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	1600		
332	96.8	71.5	107.3	
141	31.3	24.0	36.0	

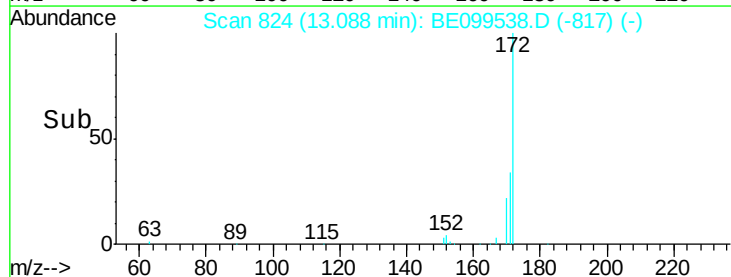
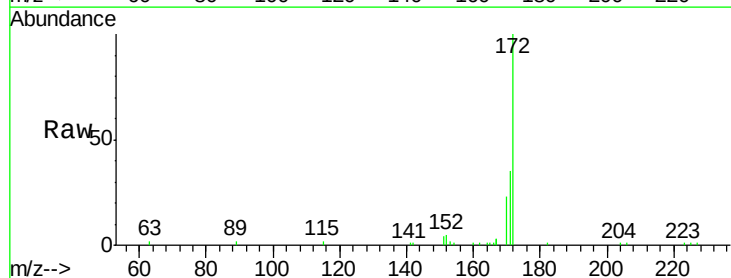
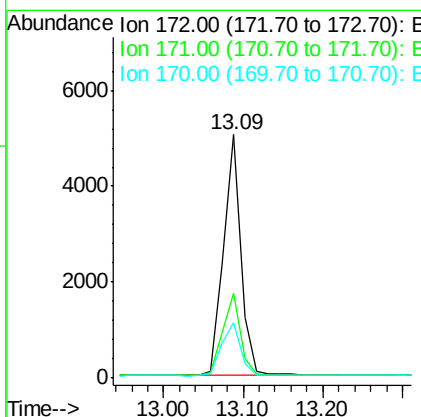
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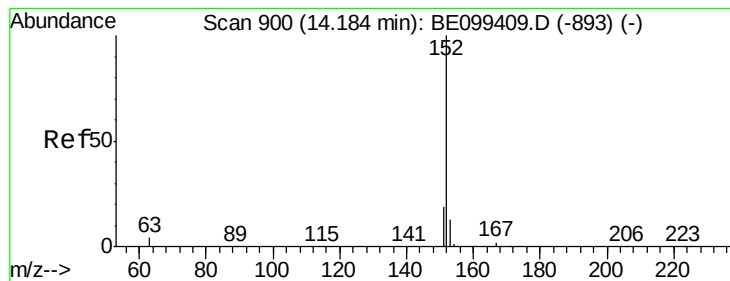
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#15
 2-Fluorobiphenyl
 Concen: 0.262 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BE099538.D
 Acq: 3 May 2019 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	7728		
171	35.0	26.6	39.8	
170	22.8	17.0	25.6	





#16

Acenaphthylene

Concen: 0.043 ng

RT: 14.18 min Scan# 900

Delta R.T. -0.00 min

Lab File: BE099538.D

Acq: 3 May 2019 20:06

Instrument :

BNA_E

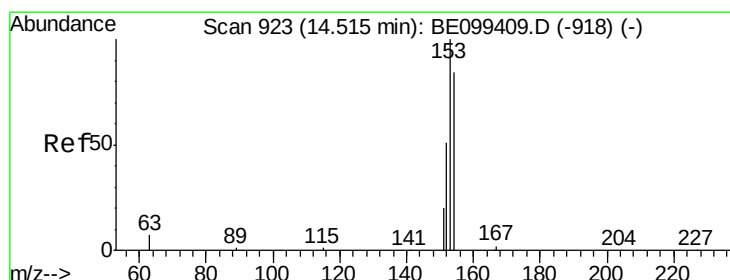
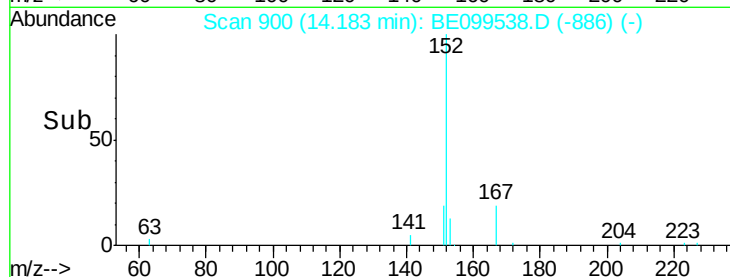
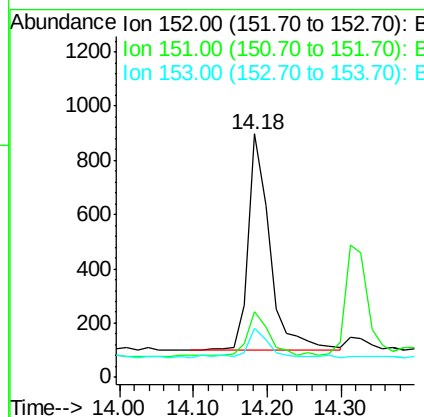
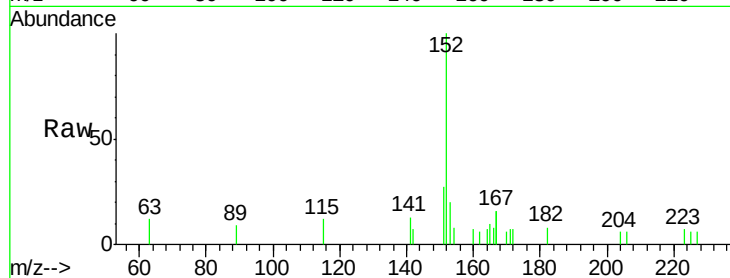
ClientSampleId :

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Tgt Ion:	152	Resp:	1623
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.4	23.2
153	16.1	9.8	14.6

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#17

Acenaphthene

Concen: 0.021 ng

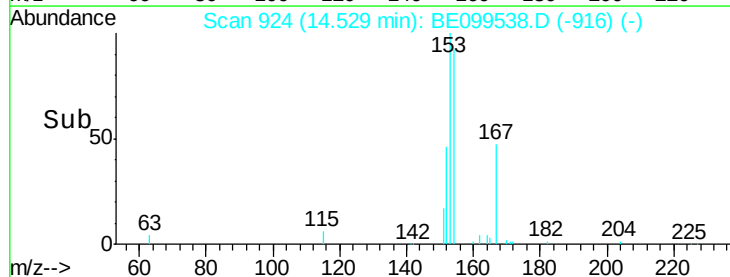
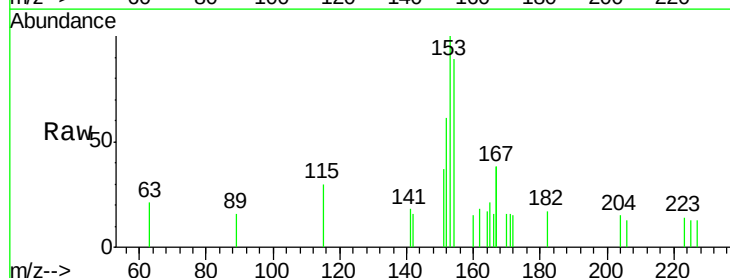
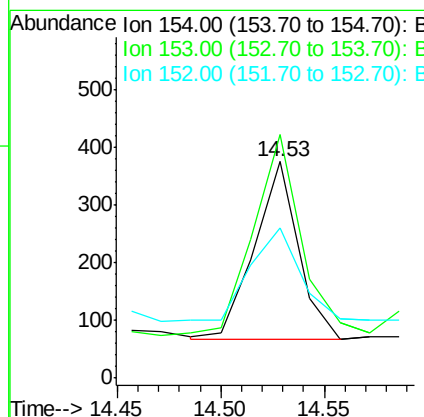
RT: 14.53 min Scan# 924

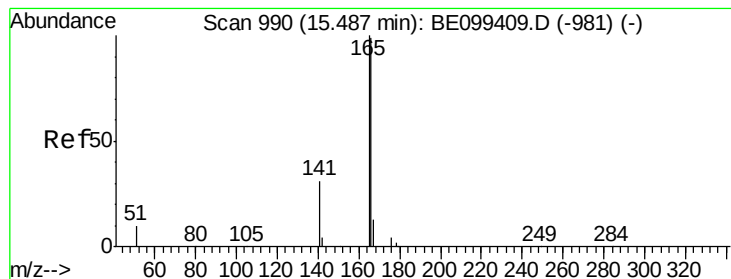
Delta R.T. 0.01 min

Lab File: BE099538.D

Acq: 3 May 2019 20:06

Tgt Ion:	154	Resp:	455
Ion Ratio	Lower	Upper	
154	100		
153	126.4	92.6	138.8
152	59.8	45.8	68.8





#18

Fluorene

Concen: 0.035 ng

RT: 15.50 min Scan# 991

Delta R.T. 0.01 min

Lab File: BE099538.D

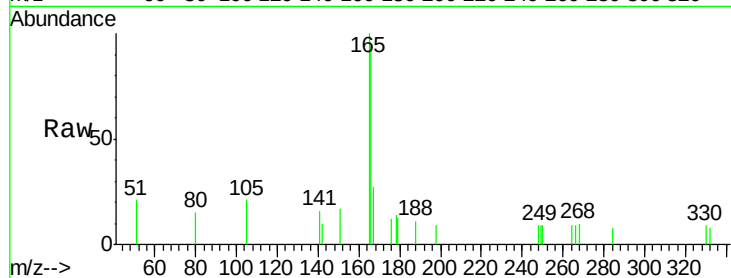
Acq: 3 May 2019 20:06

Instrument :

BNA_E

ClientSampleId :

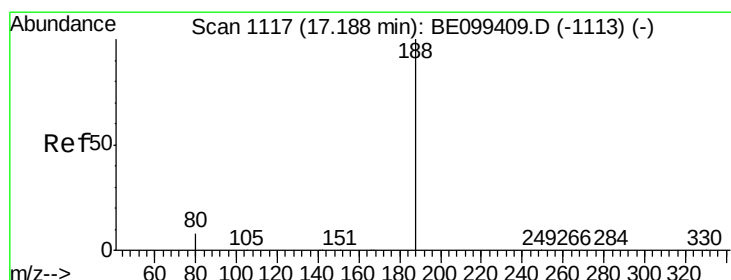
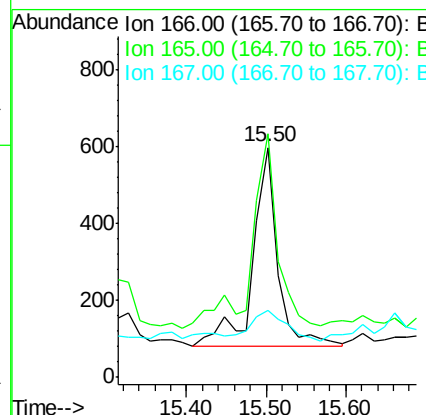
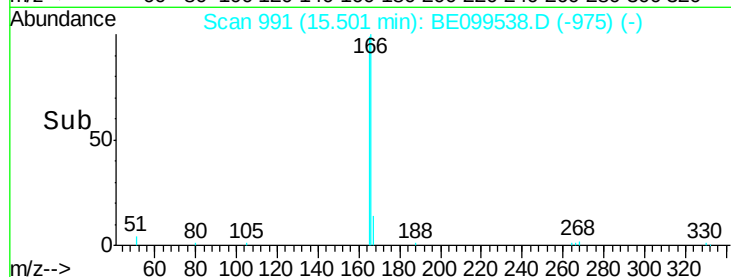
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Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.0	80.3	120.5
167	21.4	10.7	16.1#

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#19

Phenanthrene-d10

Concen: 0.400 ng

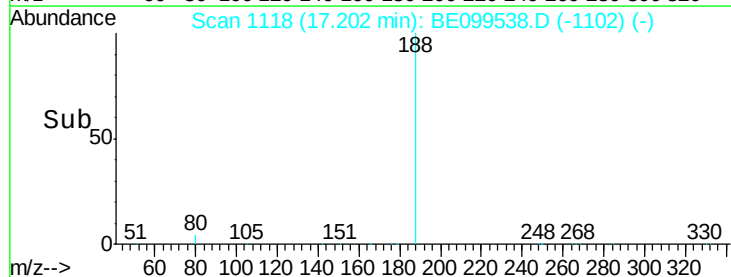
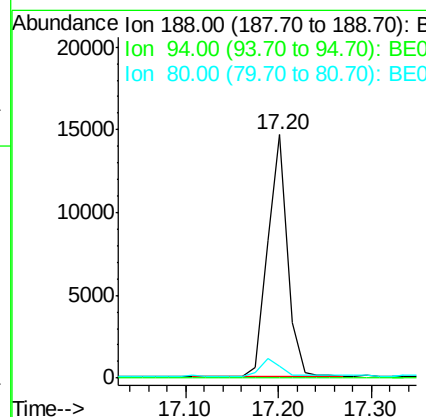
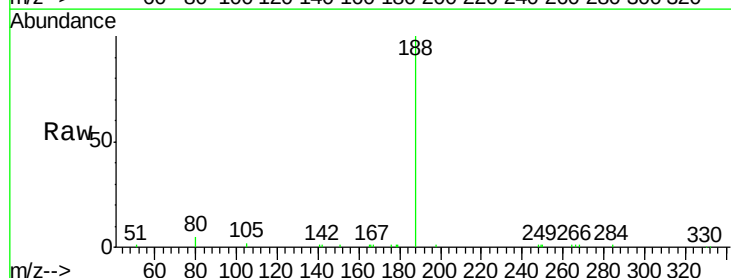
RT: 17.20 min Scan# 1118

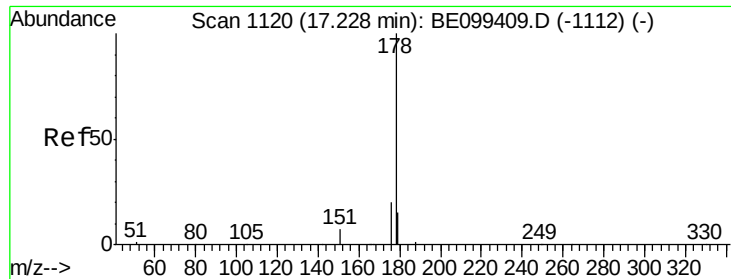
Delta R.T. 0.01 min

Lab File: BE099538.D

Acq: 3 May 2019 20:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.1	6.7	10.1#





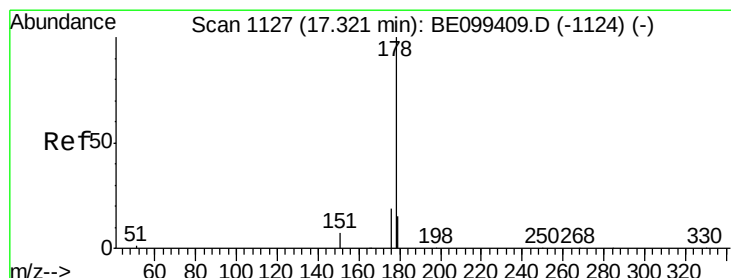
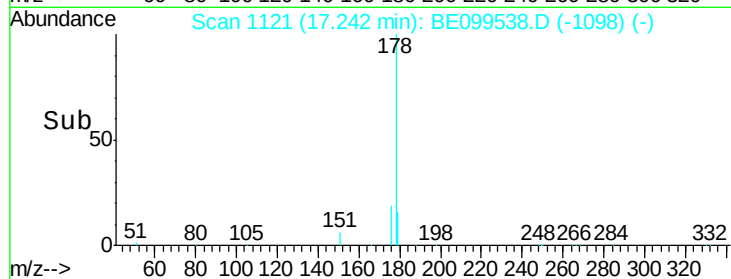
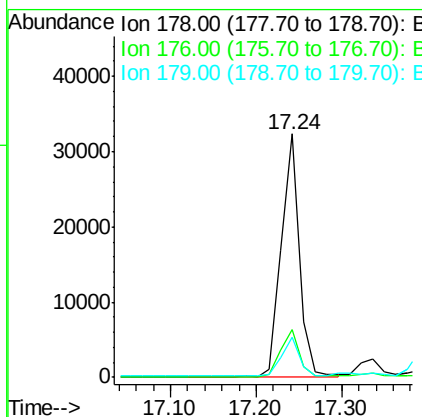
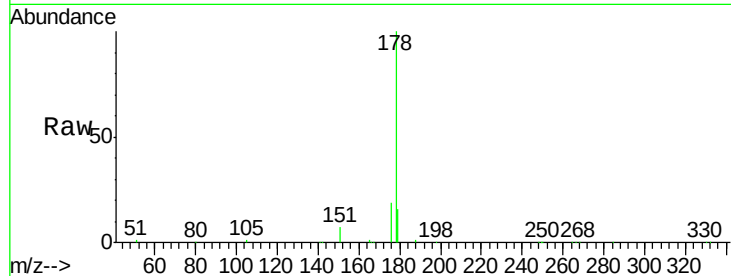
#23
 Phenanthrene
 Concen: 0.833 ng
 RT: 17.24 min Scan# 1121
 Delta R.T. 0.01 min
 Lab File: BE099538.D
 Acq: 3 May 2019 20:06

Instrument :
 BNA_E
 ClientSampleId :
 EXT-073-SW062-042219

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	15.9	12.0	18.0

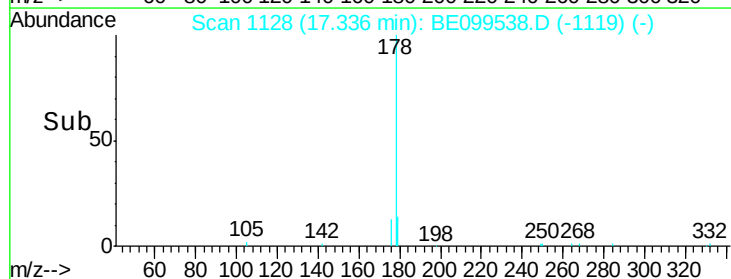
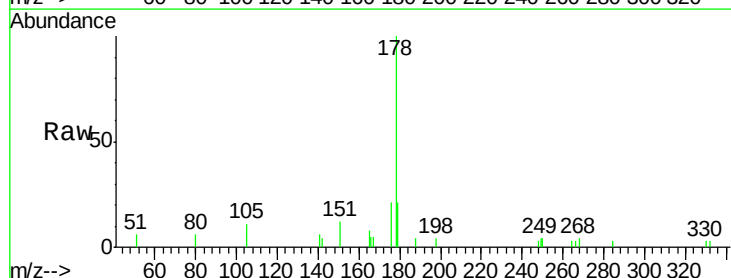
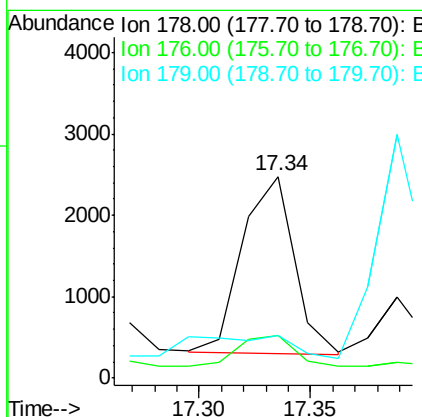
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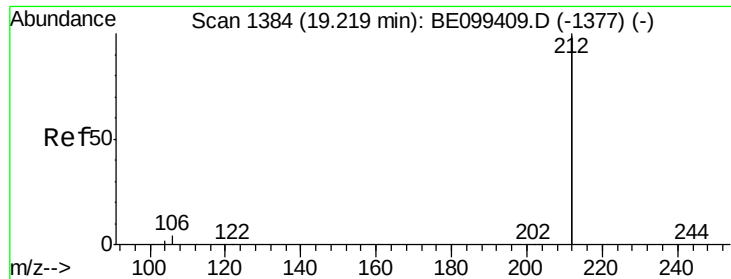
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#24
 Anthracene
 Concen: 0.066 ng
 RT: 17.34 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: BE099538.D
 Acq: 3 May 2019 20:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.9	22.3
179	24.2	11.9	17.9#





#25

Fluoranthene-d10

Concen: 0.241 ng

RT: 19.23 min Scan# 1386

Delta R.T. 0.01 min

Lab File: BE099538.D

Acq: 3 May 2019 20:06

Instrument :

BNA_E

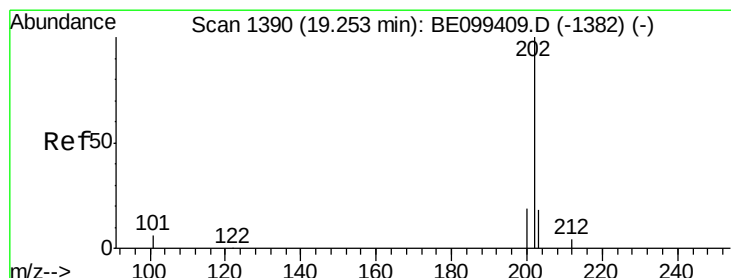
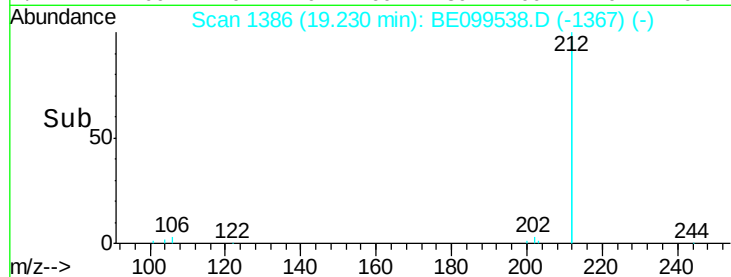
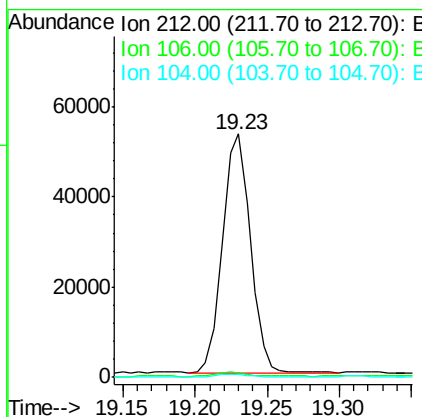
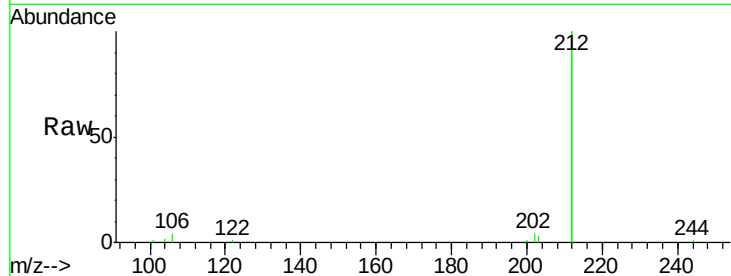
ClientSampleId :

EXT-073-SW062-042219

Tgt Ion:	212	Resp:	70749
Ion Ratio	Lower	Upper	
212	100		
106	1.8	1.5	2.3
104	1.2	0.9	1.3

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#26

Fluoranthene

Concen: 2.795 ng

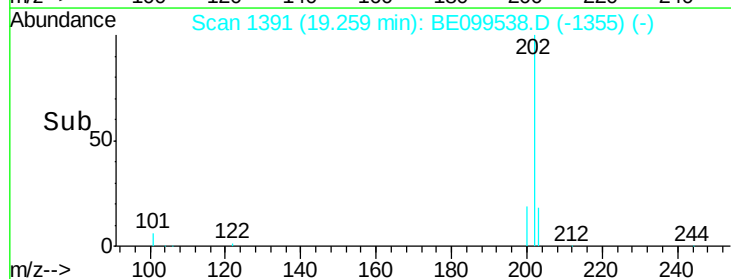
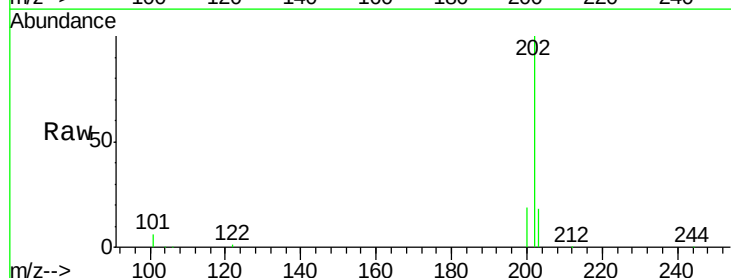
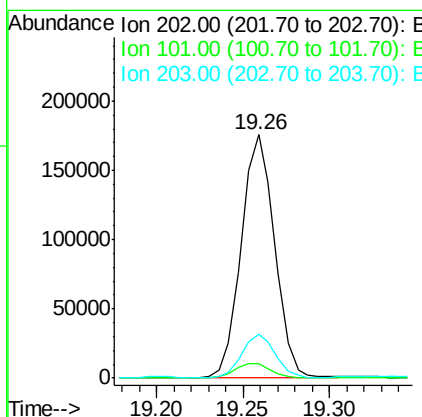
RT: 19.26 min Scan# 1391

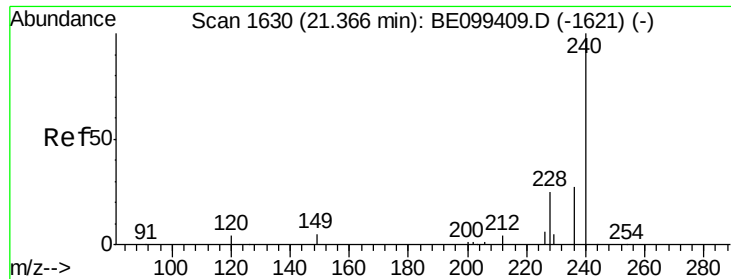
Delta R.T. 0.01 min

Lab File: BE099538.D

Acq: 3 May 2019 20:06

Tgt Ion:	202	Resp:	235076
Ion Ratio	Lower	Upper	
202	100		
101	6.1	5.4	8.0
203	17.5	13.9	20.9





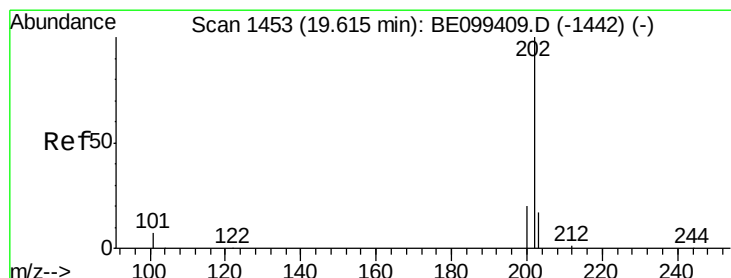
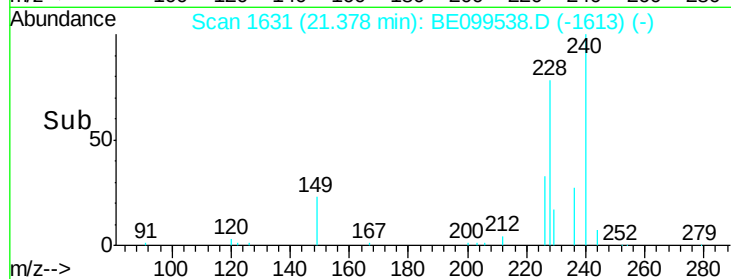
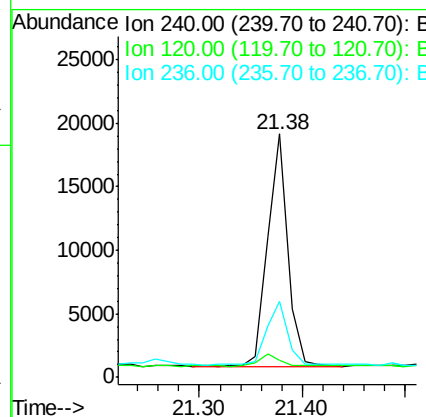
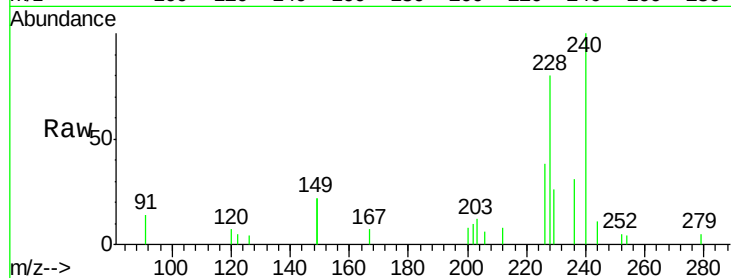
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.38 min Scan# 1631
 Delta R.T. 0.01 min
 Lab File: BE099538.D
 Acq: 3 May 2019 20:06

Instrument :
 BNA_E
 ClientSampleId :
 EXT-073-SW062-042219

Tgt Ion: 240 Resp: 25096
 Ion Ratio Lower Upper
 240 100
 120 7.0 4.0 6.0#
 236 31.1 22.0 33.0

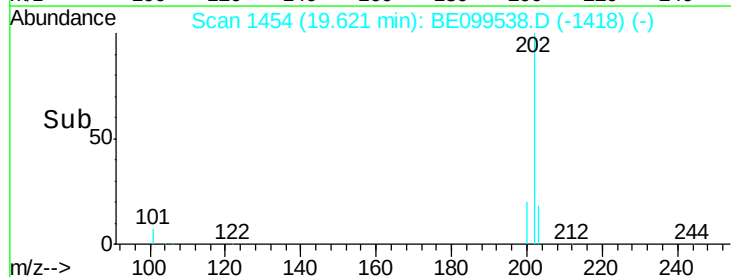
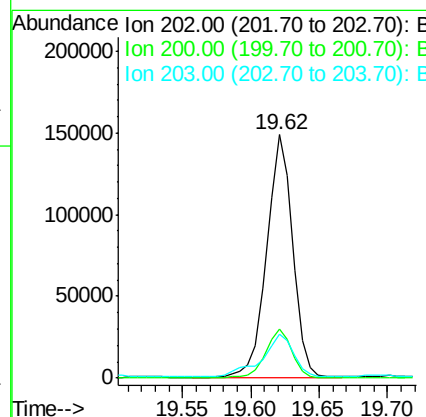
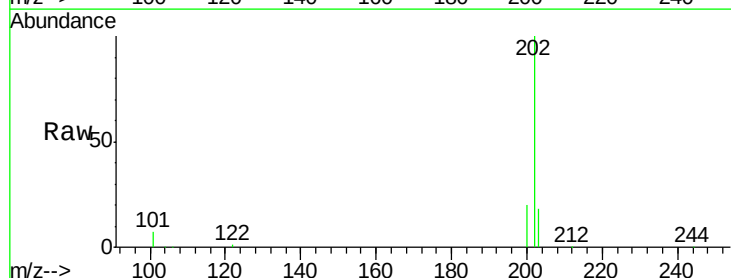
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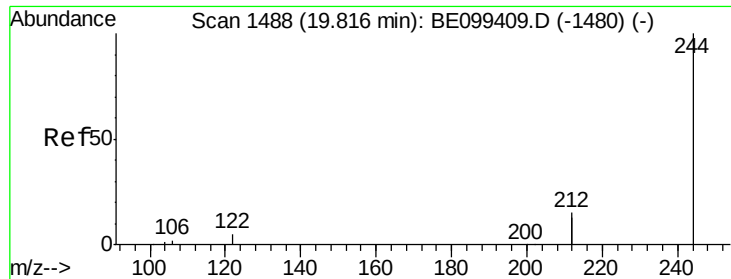
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#28
 Pyrene
 Concen: 2.995 ng
 RT: 19.62 min Scan# 1454
 Delta R.T. 0.01 min
 Lab File: BE099538.D
 Acq: 3 May 2019 20:06

Tgt Ion: 202 Resp: 195947
 Ion Ratio Lower Upper
 202 100
 200 20.1 15.7 23.5
 203 21.6 13.9 20.9#





#29

Terphenyl-d14

Concen: 0.343 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BE099538.D

Acq: 3 May 2019 20:06

Instrument :

BNA_E

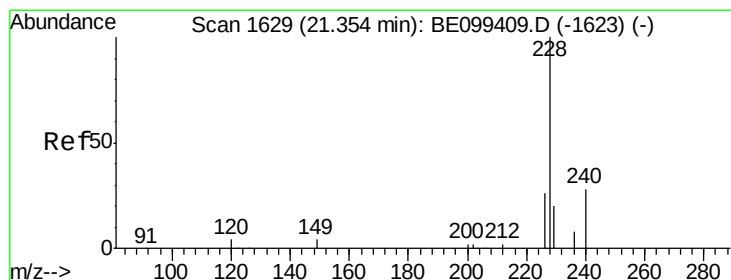
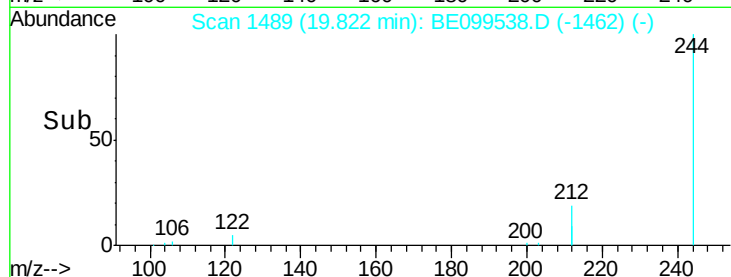
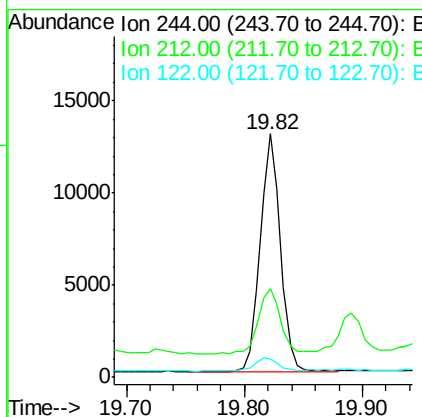
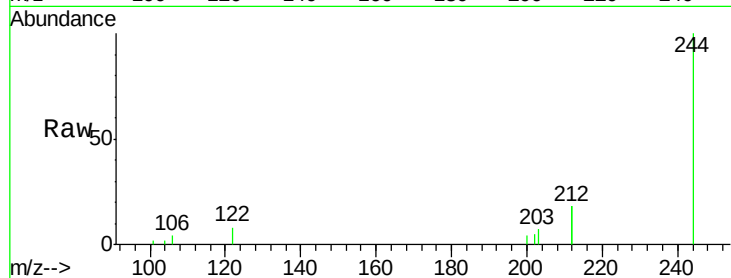
ClientSampleId :

EXT-073-SW062-042219

Tgt Ion:	244	Resp:	15743
Ion Ratio	Lower	Upper	
244	100		
212	36.6	23.2	34.8#
122	7.6	4.2	6.4#

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#30

Benzo(a)anthracene

Concen: 1.280 ng

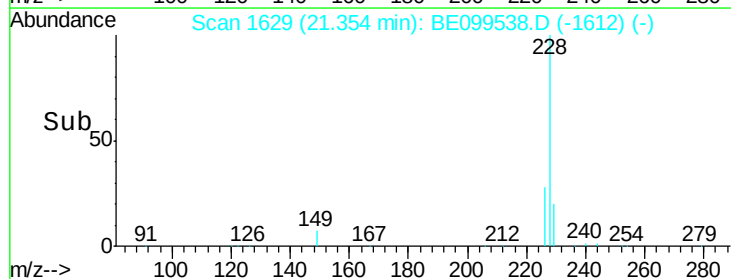
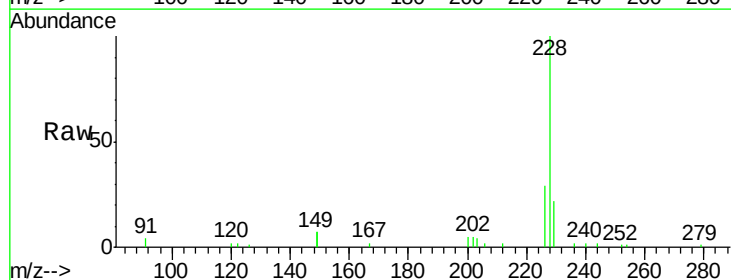
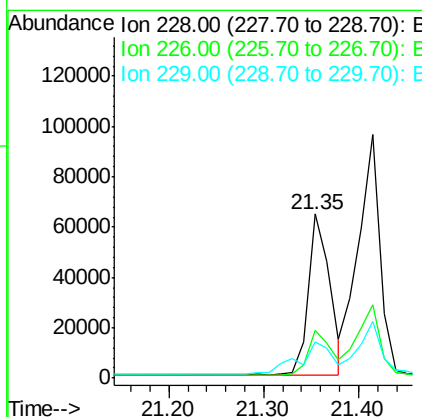
RT: 21.35 min Scan# 1629

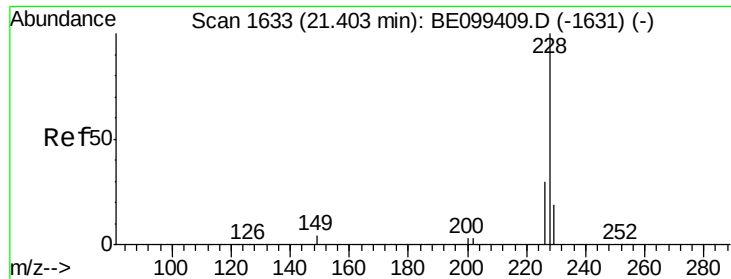
Delta R.T. -0.00 min

Lab File: BE099538.D

Acq: 3 May 2019 20:06

Tgt Ion:	228	Resp:	102339
Ion Ratio	Lower	Upper	
228	100		
226	29.5	21.0	31.6
229	22.2	16.6	25.0





#31

Chrysene

Concen: 1.965 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.01 min

Lab File: BE099538.D

Acq: 3 May 2019 20:06

Instrument :

BNA_E

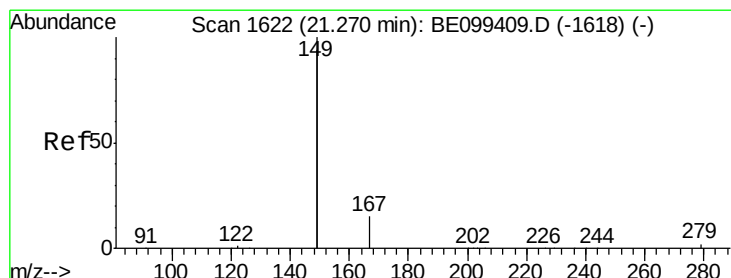
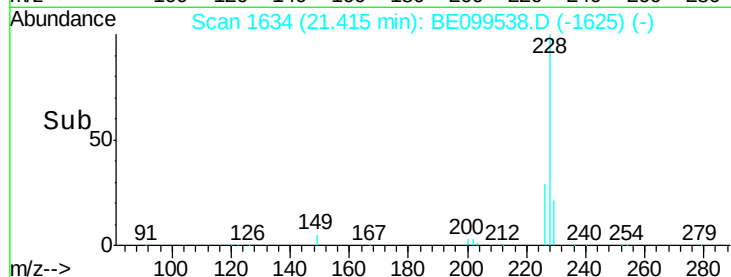
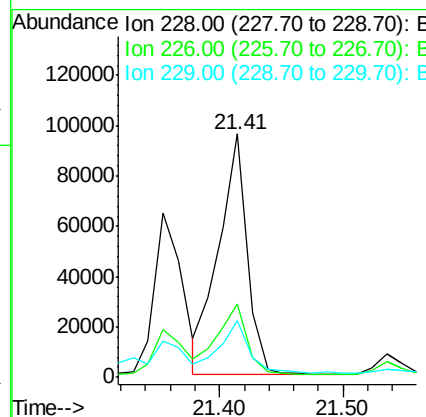
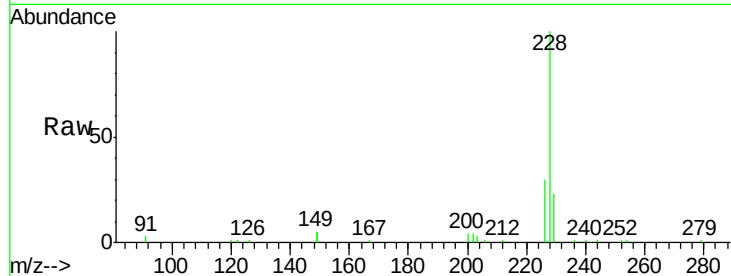
ClientSampleId :

EXT-073-SW062-042219

Tgt Ion:	228	Resp:	153720
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.0	36.0
229	23.2	15.8	23.8

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#32

Bis(2-ethylhexyl)phthalate

Concen: 1.624 ng

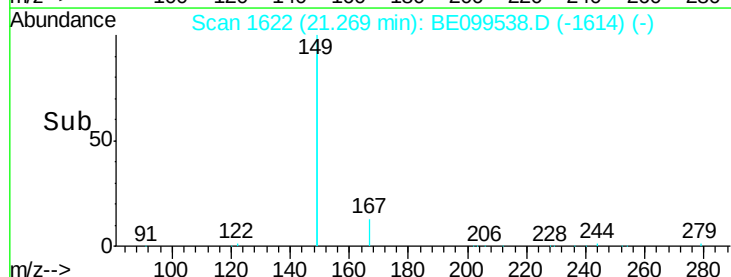
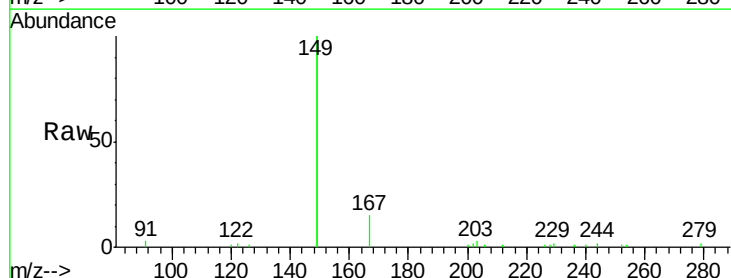
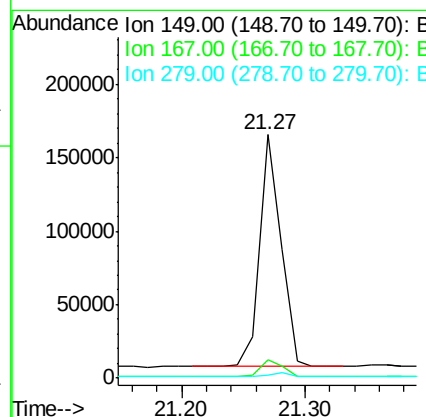
RT: 21.27 min Scan# 1622

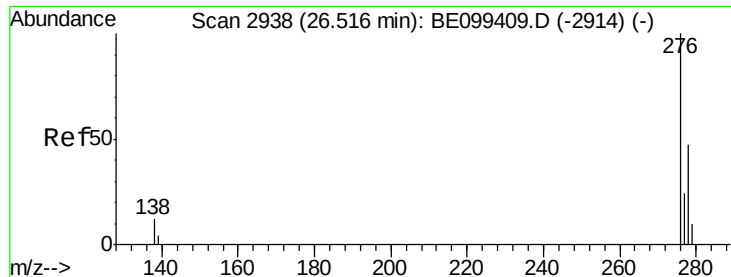
Delta R.T. 0.00 min

Lab File: BE099538.D

Acq: 3 May 2019 20:06

Tgt Ion:	149	Resp:	191221
Ion Ratio	Lower	Upper	
149	100		
167	7.5	5.8	8.6
279	1.5	1.0	1.6





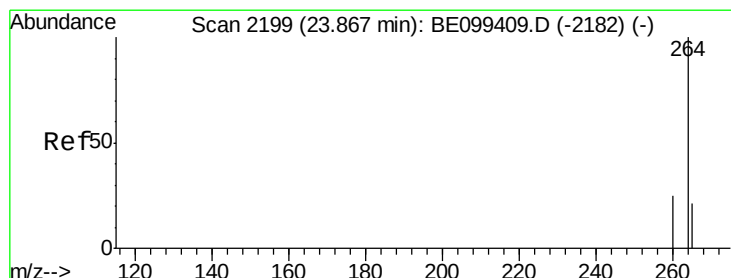
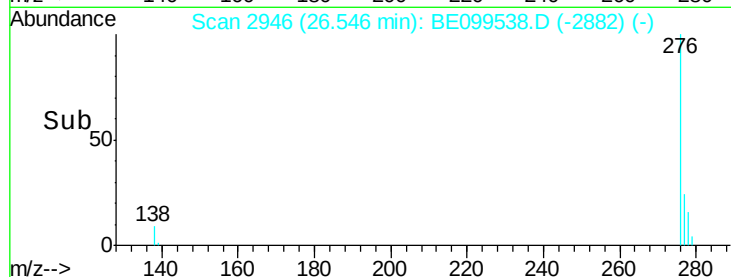
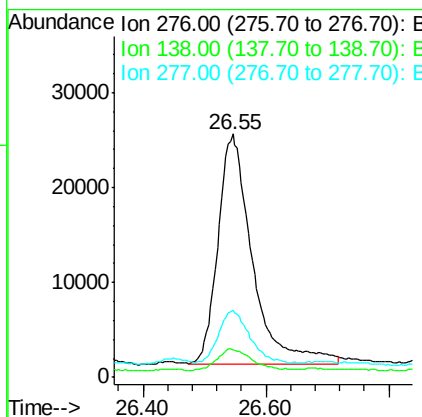
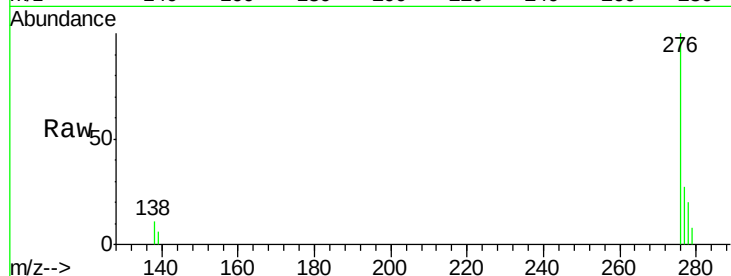
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.016 ng
 RT: 26.55 min Scan# 2946
 Delta R.T. 0.03 min
 Lab File: BE099538.D
 Acq: 3 May 2019 20:06

Instrument :
 BNA_E
 ClientSampleId :
 EXT-073-SW062-042219

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	93919		
138	8.9	10.2	15.2#	
277	20.6	19.2	28.8	

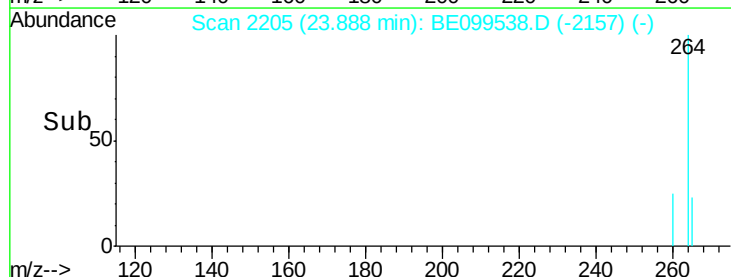
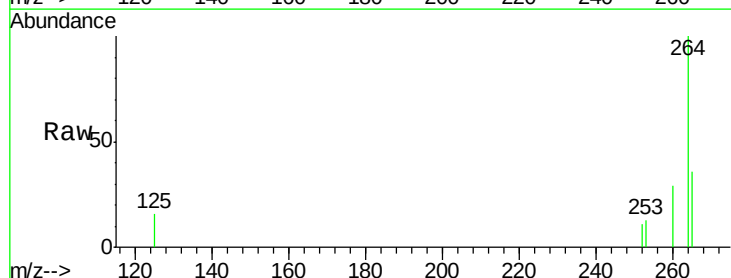
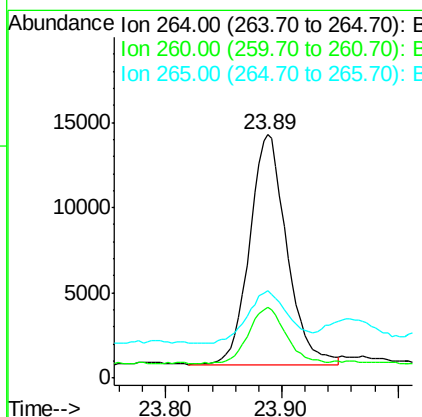
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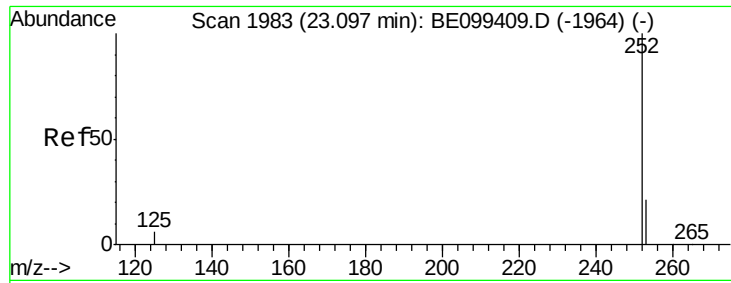
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2205
 Delta R.T. 0.02 min
 Lab File: BE099538.D
 Acq: 3 May 2019 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	29928		
260	29.3	20.2	30.2	
265	35.7	21.3	31.9#	





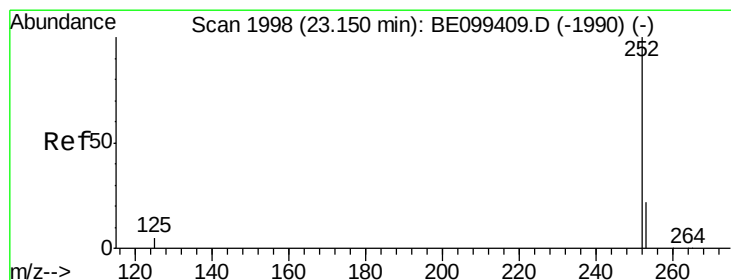
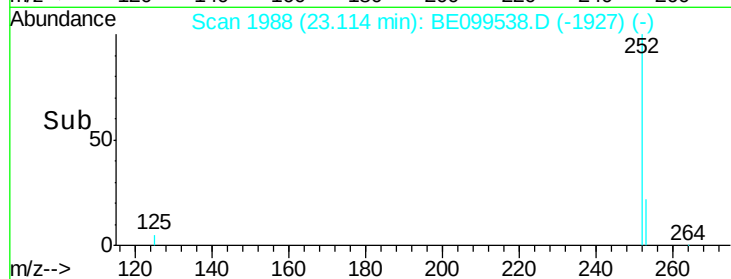
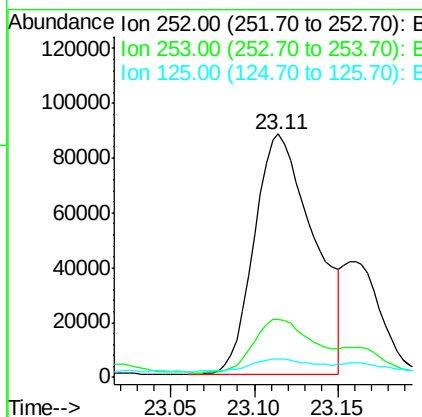
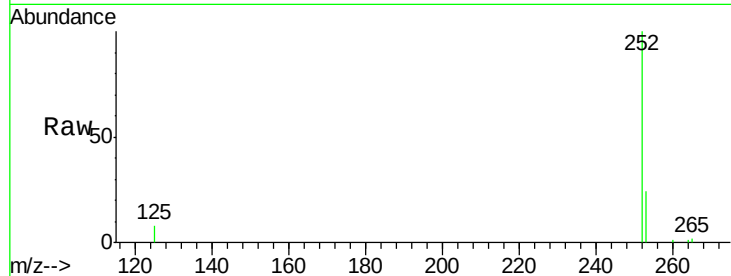
#35
Benzo(b)fluoranthene
Concen: 2.514 ng
RT: 23.11 min Scan# 1988
Delta R.T. 0.02 min
Lab File: BE099538.D
Acq: 3 May 2019 20:06

Instrument :
BNA_E
ClientSampleId :
EXT-073-SW062-042219

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	7.6	5.6	8.4

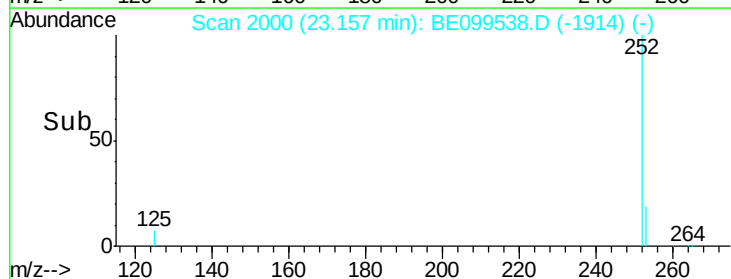
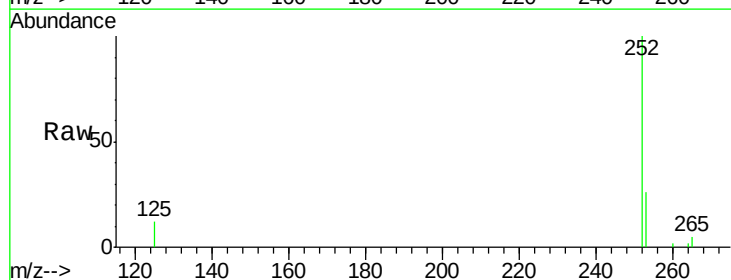
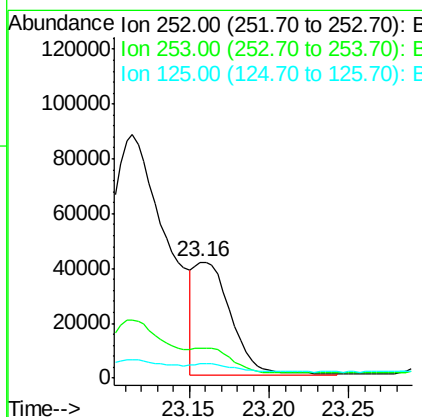
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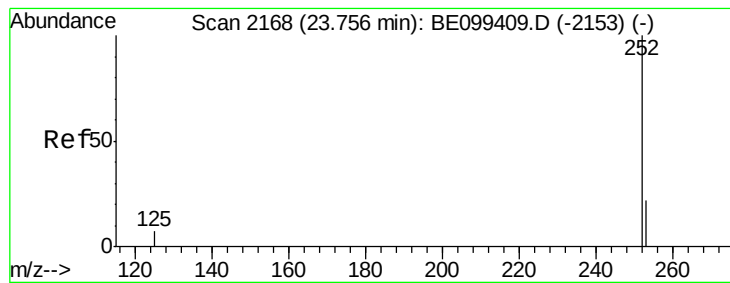
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#36
Benzo(k)fluoranthene
Concen: 0.793 ng m
RT: 23.16 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BE099538.D
Acq: 3 May 2019 20:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.4	27.6
125	12.2	5.0	7.4#





#37

Benzo(a)pyrene

Concen: 1.426 ng

RT: 23.77 min Scan# 2173

Delta R.T. 0.02 min

Lab File: BE099538.D

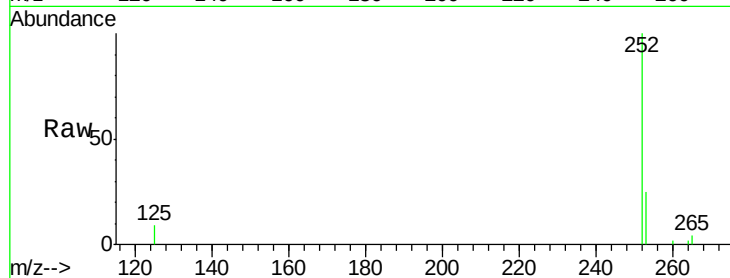
Acq: 3 May 2019 20:06

Instrument :

BNA_E

ClientSampleId :

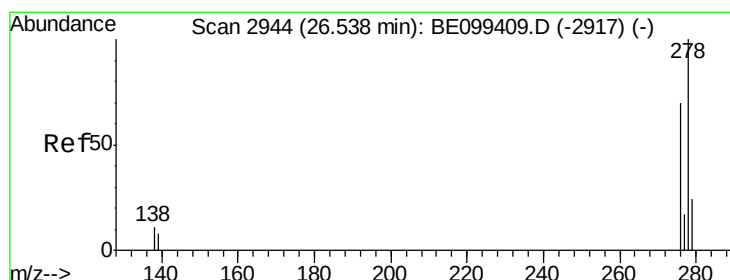
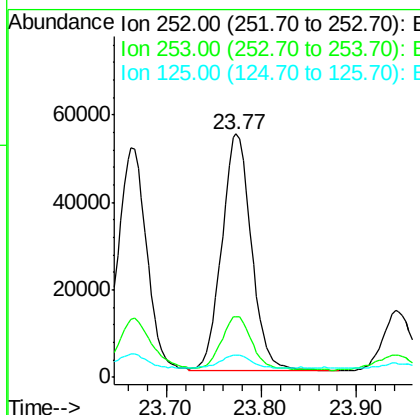
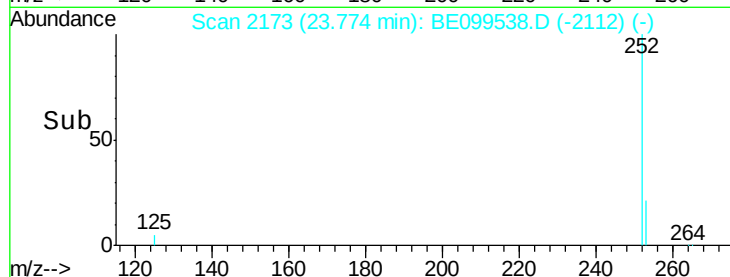
EXT-073-SW062-042219



Tgt Ion:	252	Resp:	116341
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.9	28.3
125	9.3	6.7	10.1

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#38

Dibenzo(a,h)anthracene

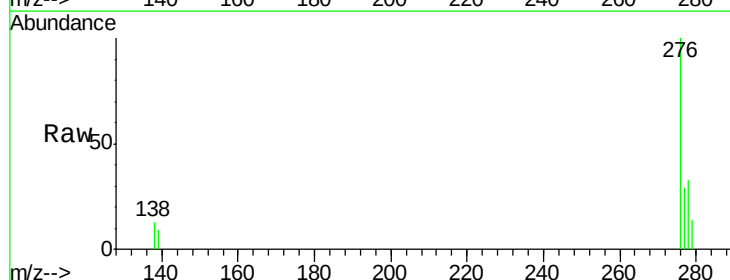
Concen: 0.224 ng

RT: 26.57 min Scan# 2952

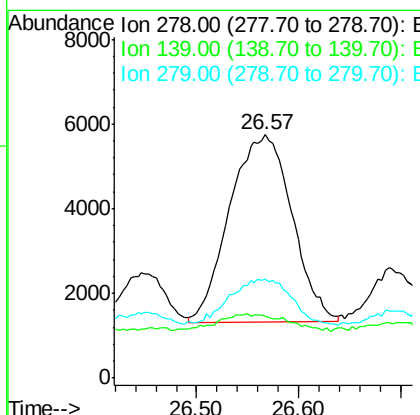
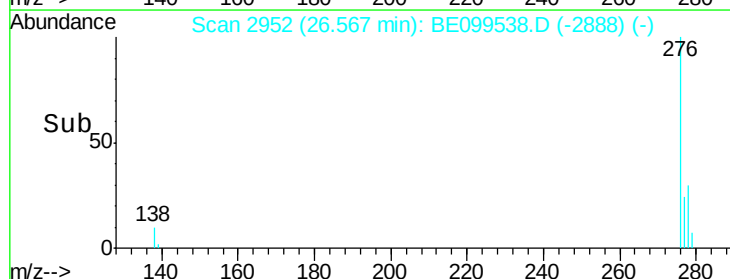
Delta R.T. 0.03 min

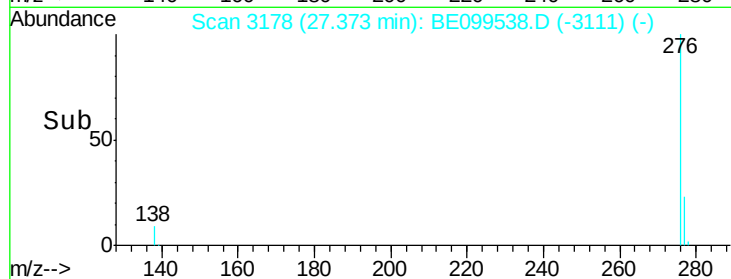
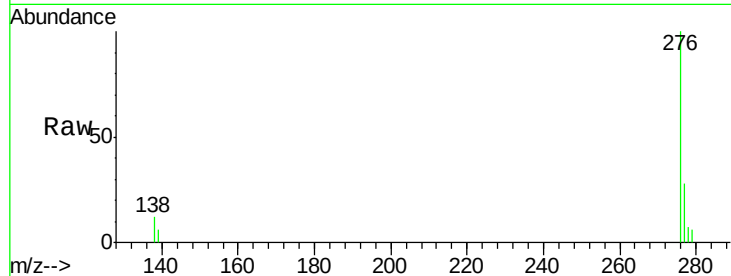
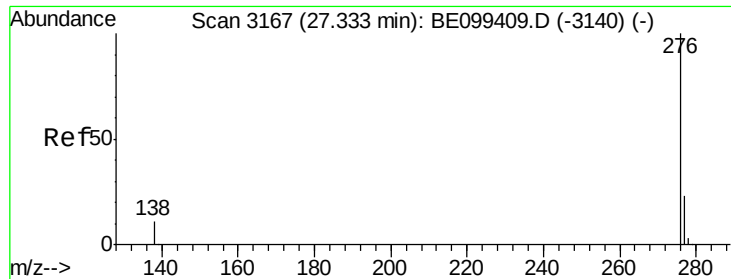
Lab File: BE099538.D

Acq: 3 May 2019 20:06



Tgt Ion:	278	Resp:	18698
Ion Ratio	Lower	Upper	
278	100		
139	25.5	7.7	11.5#
279	40.6	20.2	30.2#





#39

Benzo(g,h,i)perylene

Concen: 1.066 ng

RT: 27.37 min Scan# 3178

Delta R.T. 0.04 min

Lab File: BE099538.D

Acq: 3 May 2019 20:06

Instrument :

BNA_E

ClientSampleId :

EXT-073-SW062-042219

Tgt Ion:	276	Resp:	89100
Ion Ratio	Lower	Upper	
276	100		
277	28.0	19.5	29.3
138	12.5	9.6	14.4

Manual Integrations
APPROVED

mohammad
5/7/2019 11:57:09 PM

