

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
 Data File : BE099532.D
 Acq On : 3 May 2019 16:31
 Operator : JU/SJ
 Sample : K2587-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-004-SW069-042319

Manual Integrations
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 5/7/2019 11:56:38 PM

Quant Time: May 04 01:46:30 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	7.81	152	2000	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	7674	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6536	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	20898	0.40	ng	0.00
27) Chrysene-d12	21.37	240	25101	0.40	ng	0.00
34) Perylene-d12	23.87	264	29754	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	1690	0.31	ng	0.00
5) Phenol-d6	6.98	99	2405	0.33	ng	0.00
8) Nitrobenzene-d5	8.96	82	2028	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	3723	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1317	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	5643	0.23	ng	0.00
25) Fluoranthene-d10	19.22	212	63555	0.23	ng	0.00
29) Terphenyl-d14	19.82	244	13728	0.30	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	14072	0.168	ng	99
12) 2-Methylnaphthalene	12.27	142	1616	0.111	ng	# 93
16) Acenaphthylene	14.18	152	6383	0.200	ng	# 96
17) Acenaphthene	14.53	154	7046	0.386	ng	99
18) Fluorene	15.49	166	7770	0.288	ng	# 97
23) Phenanthrene	17.24	178	263638	4.889	ng	99
24) Anthracene	17.32	178	36708	0.714	ng	# 90
26) Fluoranthene	19.25	202	497024	6.153	ng	99
28) Pyrene	19.61	202	440206	6.728	ng	# 95
30) Benzo(a)anthracene	21.35	228	252850	3.162	ng	98
31) Chrysene	21.40	228	239673	3.062	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	14319	0.055	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.52	276	130437	1.410	ng	# 97
35) Benzo(b)fluoranthene	23.11	252	281559	3.282	ng	98
36) Benzo(k)fluoranthene	23.15	252	98938m	1.196	ng	
37) Benzo(a)pyrene	23.76	252	192716m	2.376	ng	
38) Dibenzo(a,h)anthracene	26.55	278	33113	0.399	ng	# 89
39) Benzo(g,h,i)perylene	27.35	276	125606	1.511	ng	97

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

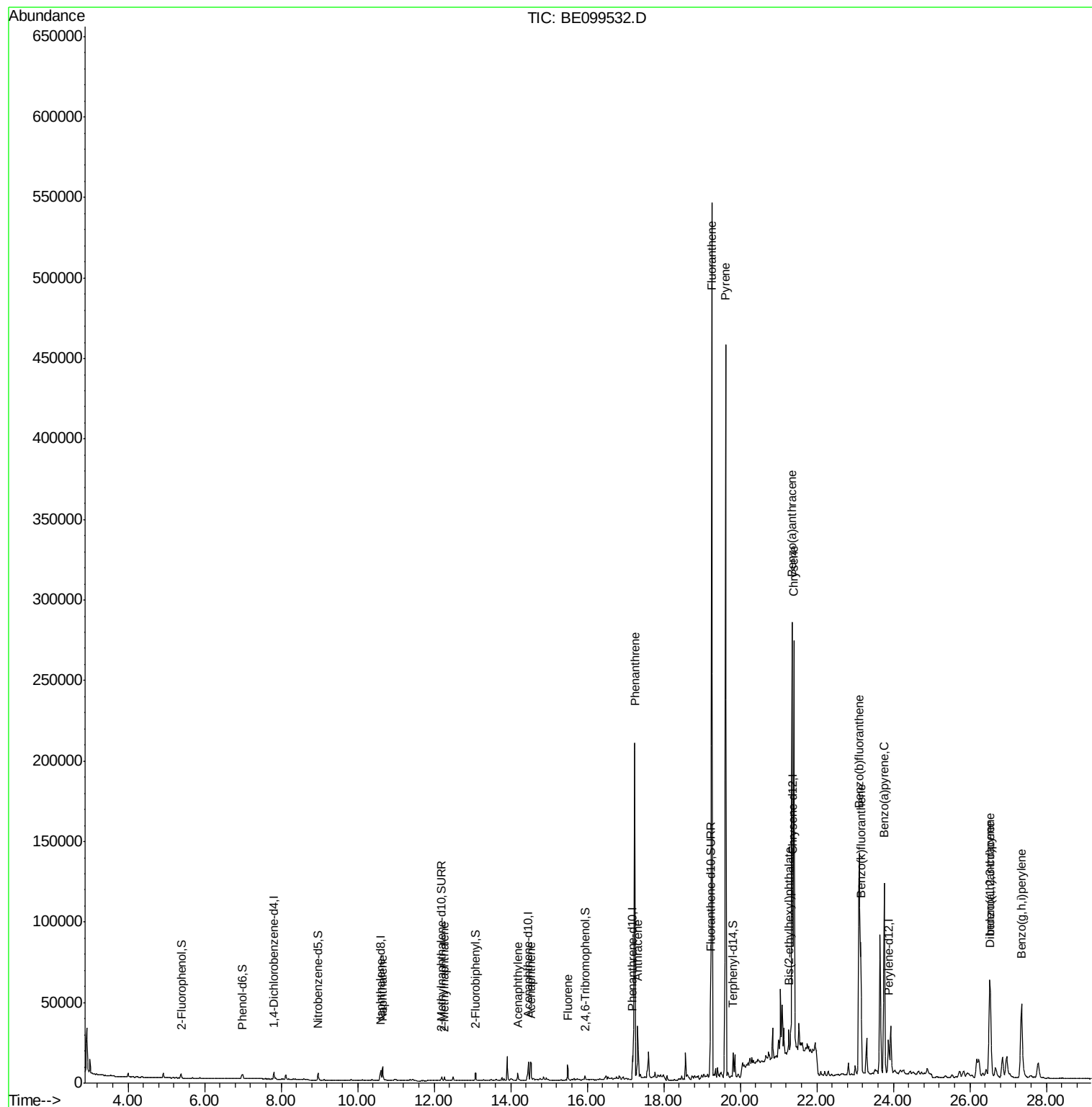
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
Data File : BE099532.D
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Operator : JU/SJ
Sample : K2587-01
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ALS Vial : 5 Sample Multiplier: 1

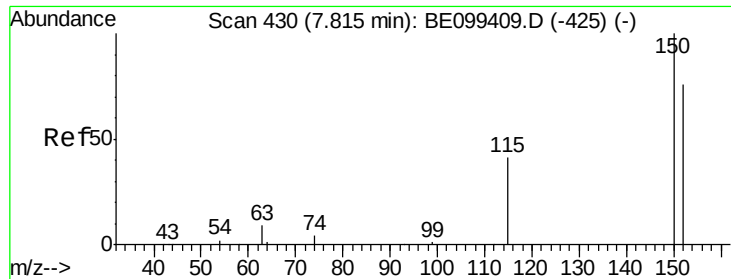
Instrument :
BNA_E
ClientSampleId :
EXT-004-SW069-042319

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Quant Time: May 04 01:46:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
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QLast Update : Mon Apr 29 18:36:43 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099532.D

Acq: 3 May 2019 16:31

Instrument :

BNA_E

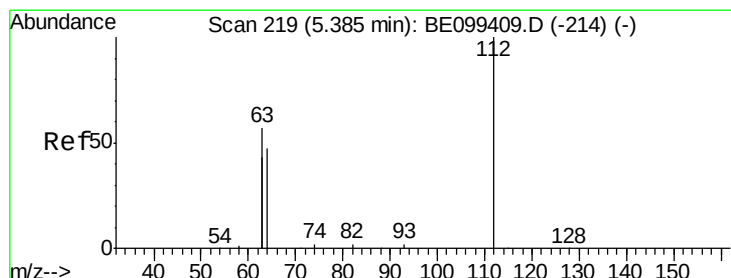
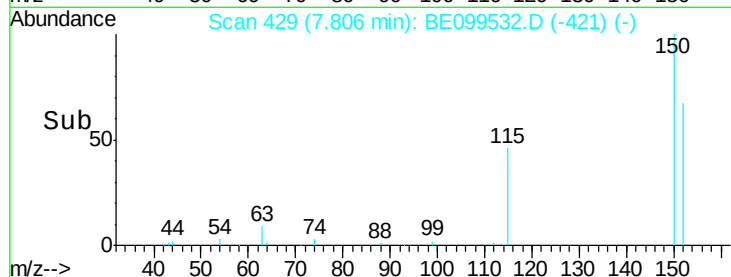
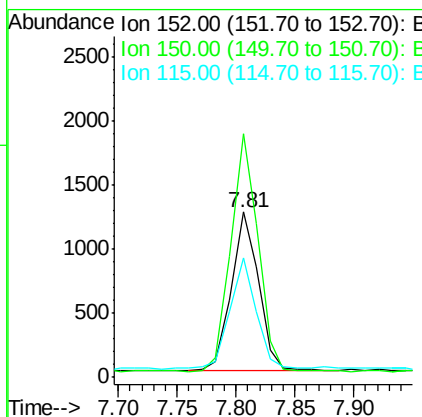
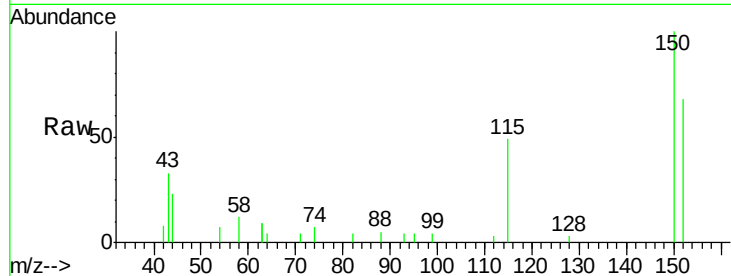
ClientSampleId :

EXT-004-SW069-042319

Tgt Ion:	152	Resp:	2000
Ion Ratio	Lower	Upper	
152	100		
150	147.3	104.8	157.2
115	72.2	46.6	69.8

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#4

2-Fluorophenol

Concen: 0.306 ng

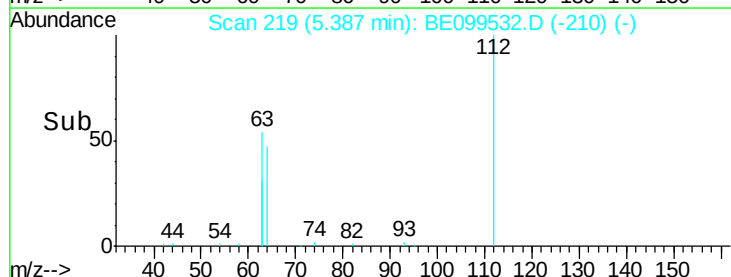
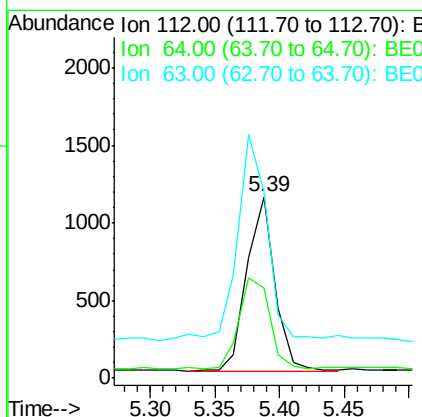
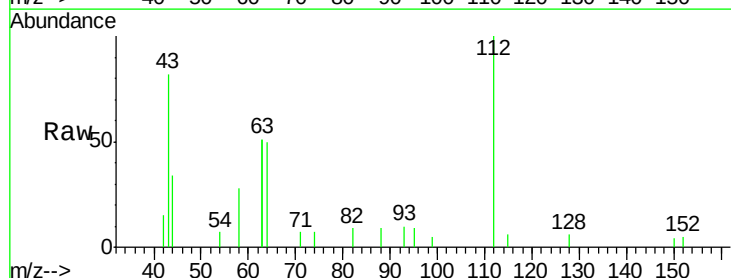
RT: 5.39 min Scan# 219

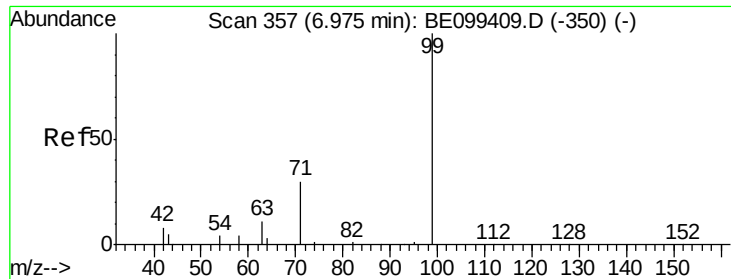
Delta R.T. 0.00 min

Lab File: BE099532.D

Acq: 3 May 2019 16:31

Tgt Ion:	112	Resp:	1690
Ion Ratio	Lower	Upper	
112	100		
64	56.3	47.4	71.0
63	124.7	104.3	156.5





#5

Phenol-d6

Concen: 0.327 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099532.D

Acq: 3 May 2019 16:31

Instrument :

BNA_E

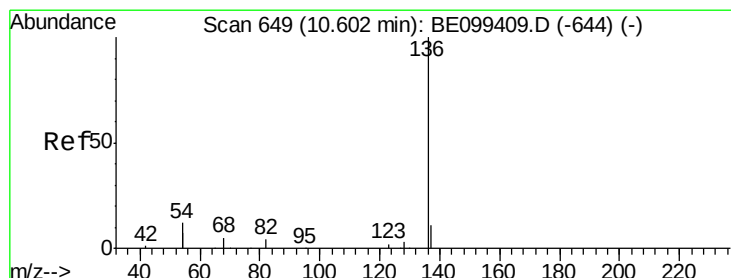
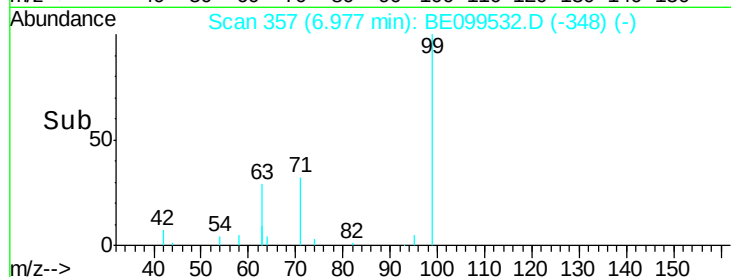
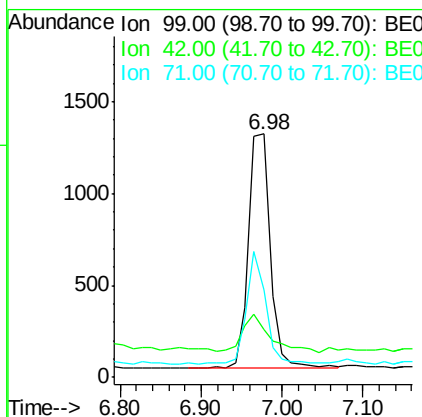
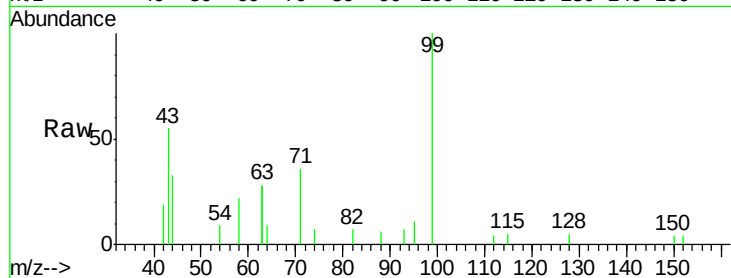
ClientSampleId :

EXT-004-SW069-042319

Tgt Ion:	99	Resp:	2405
Ion Ratio	Lower	Upper	
99	100		
42	19.6	14.9	22.3
71	43.4	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

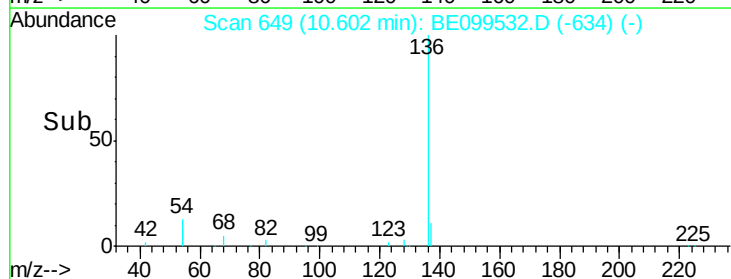
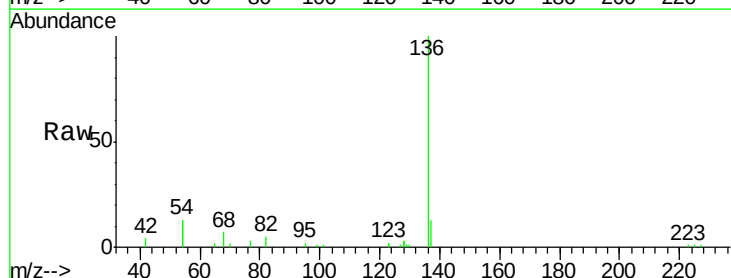
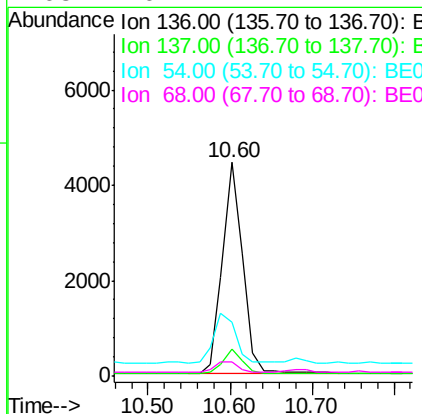
RT: 10.60 min Scan# 649

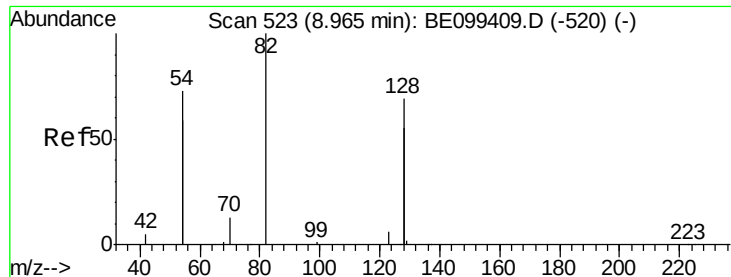
Delta R.T. -0.00 min

Lab File: BE099532.D

Acq: 3 May 2019 16:31

Tgt Ion:	136	Resp:	7674
Ion Ratio	Lower	Upper	
136	100		
137	12.6	9.8	14.8
54	25.1	18.5	27.7
68	6.7	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.282 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099532.D

Acq: 3 May 2019 16:31

Instrument :

BNA_E

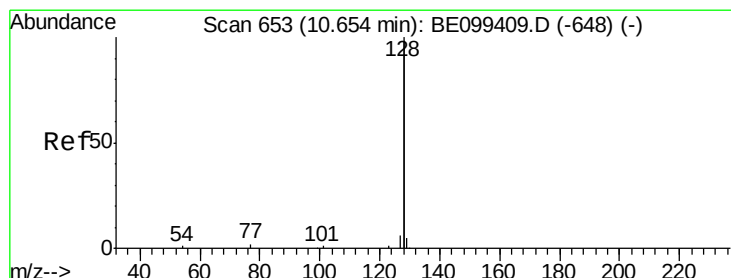
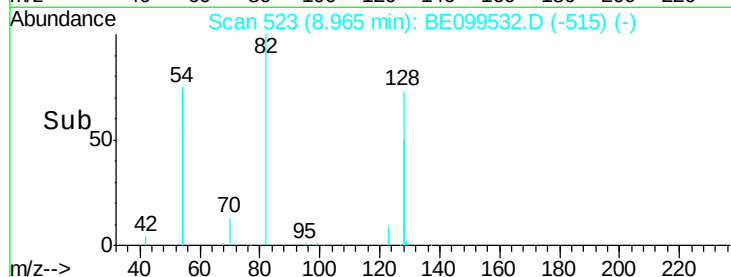
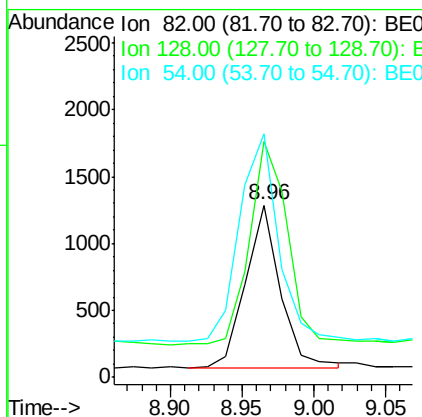
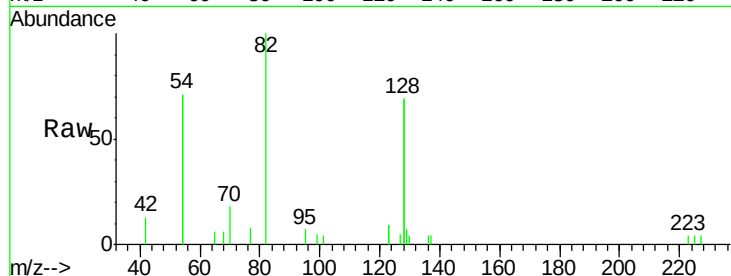
ClientSampleId :

EXT-004-SW069-042319

Tgt Ion:	82	Resp:	2028
Ion Ratio	Lower	Upper	
82	100		
128	137.3	107.0	160.4
54	141.3	113.1	169.7

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#9

Naphthalene

Concen: 0.168 ng

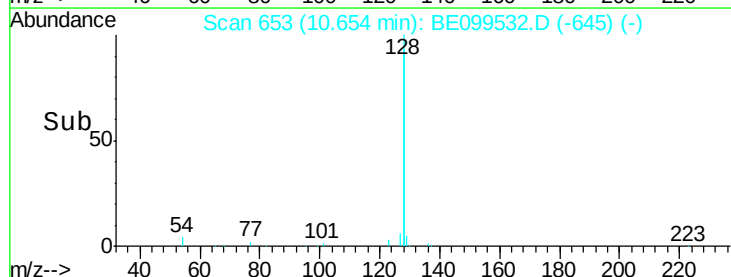
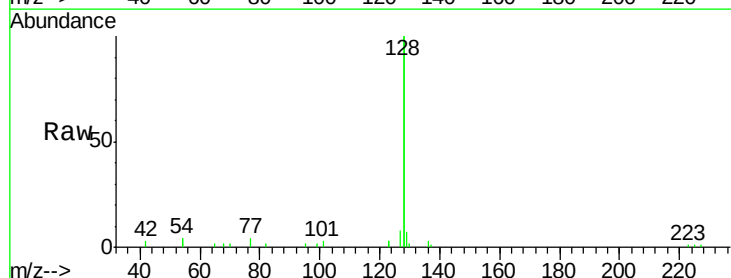
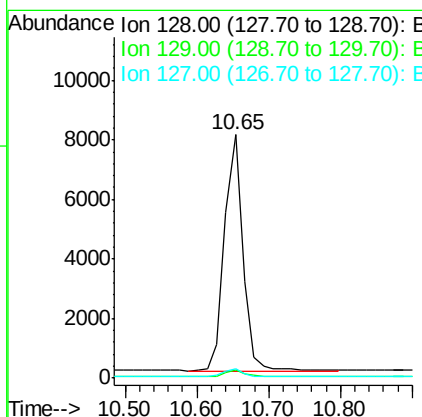
RT: 10.65 min Scan# 653

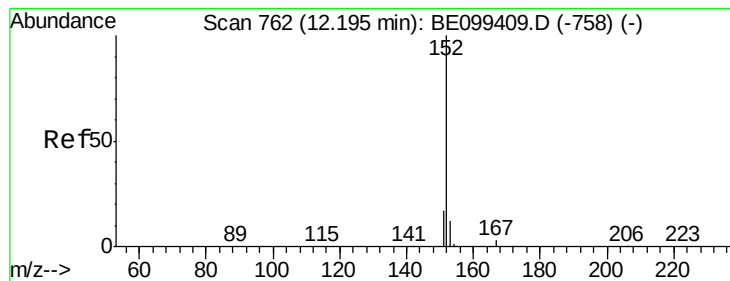
Delta R.T. -0.00 min

Lab File: BE099532.D

Acq: 3 May 2019 16:31

Tgt Ion:	128	Resp:	14072
Ion Ratio	Lower	Upper	
128	100		
129	3.3	2.4	3.6
127	3.8	2.8	4.2





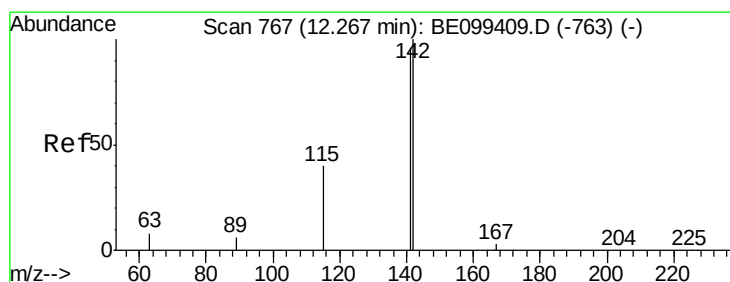
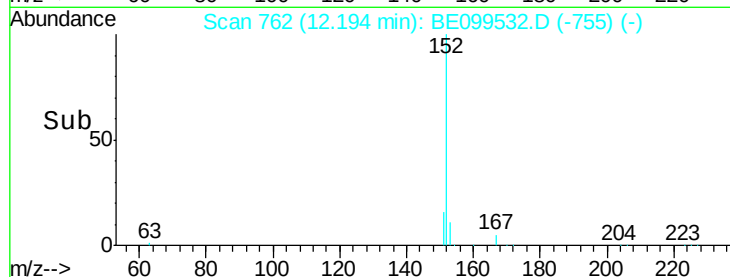
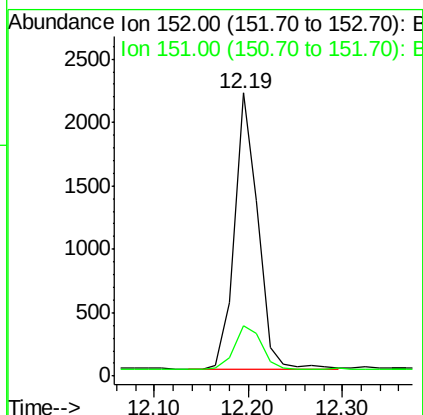
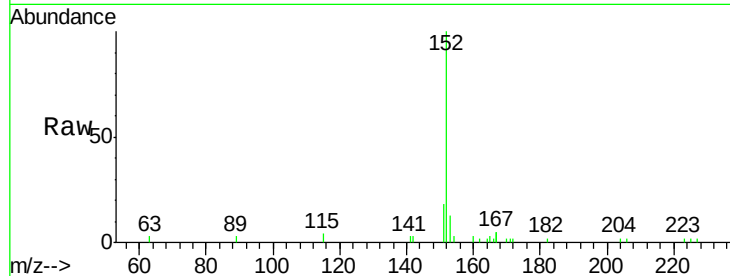
#11
 2-Methylnaphthalene-d10
 Concen: 0.269 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099532.D
 Acq: 3 May 2019 16:31

Instrument :
 BNA_E
 ClientSampleId :
 EXT-004-SW069-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.5	23.3

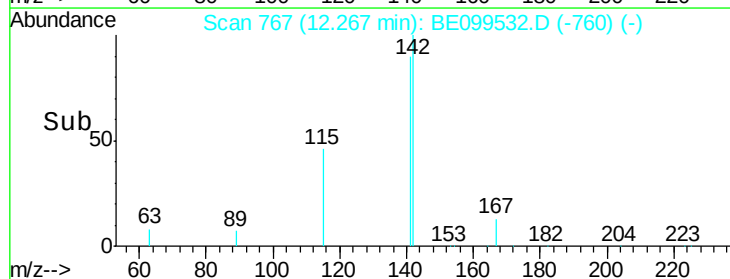
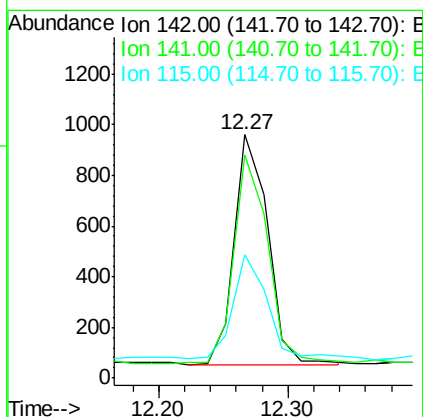
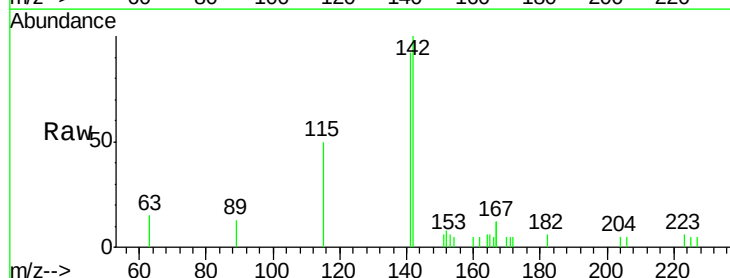
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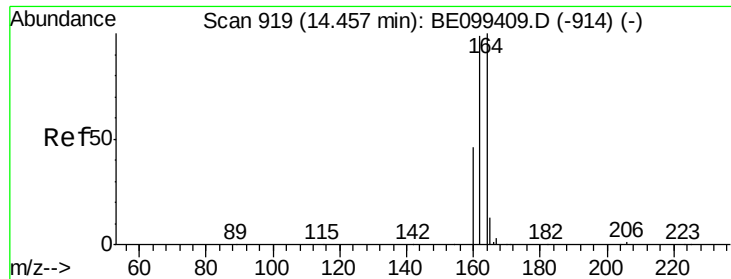
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#12
 2-Methylnaphthalene
 Concen: 0.111 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099532.D
 Acq: 3 May 2019 16:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	77.0	115.4
115	50.5	33.4	50.0#





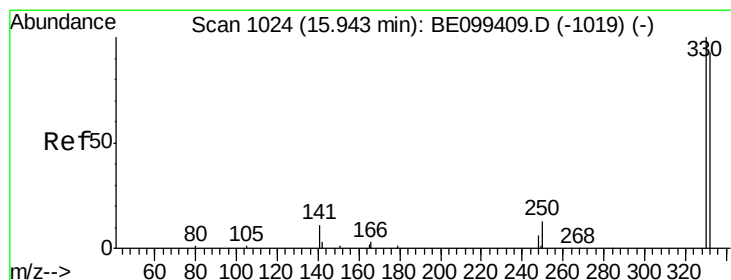
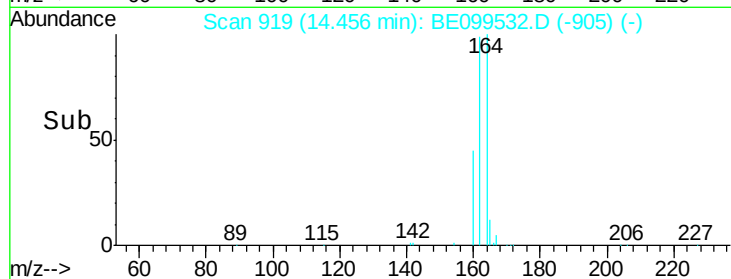
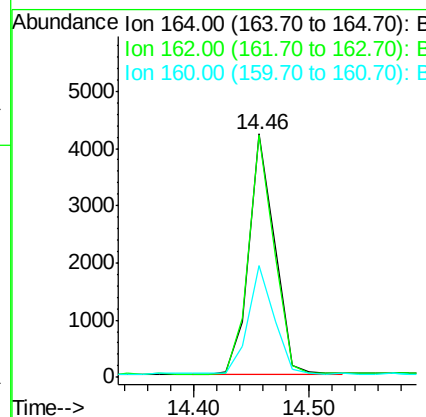
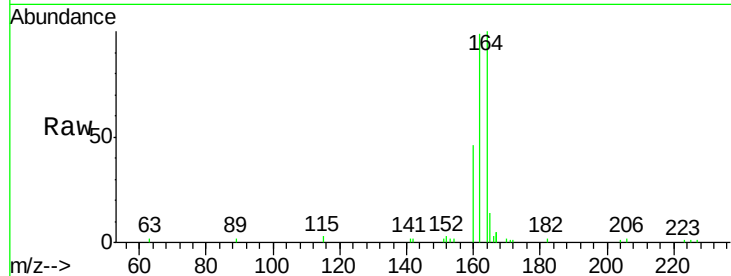
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099532.D
 Acq: 3 May 2019 16:31

Instrument :
 BNA_E
 ClientSampleId :
 EXT-004-SW069-042319

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.0	118.4
160	45.9	37.0	55.4

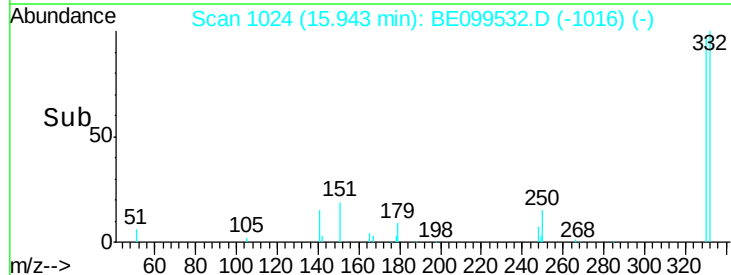
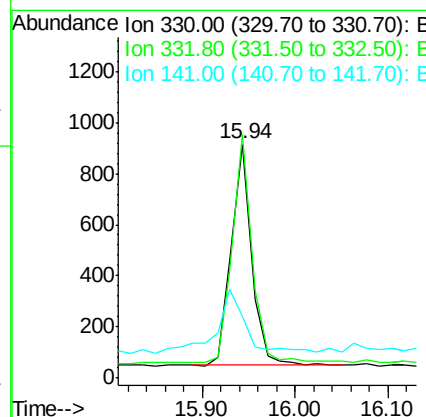
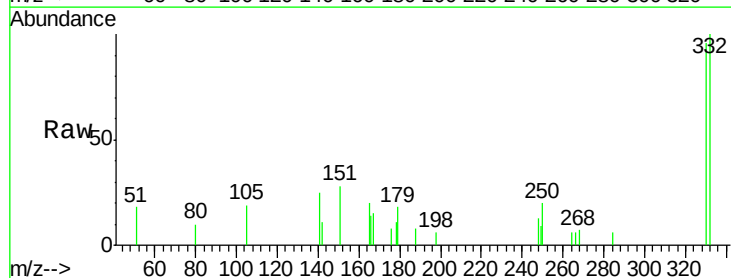
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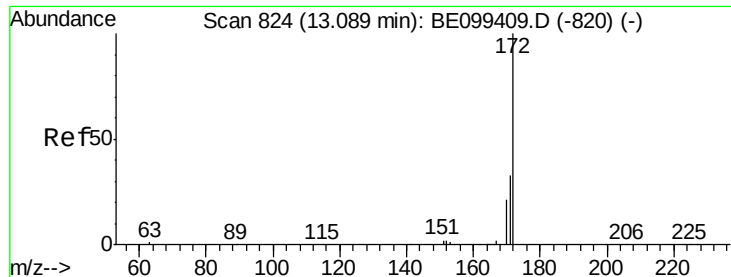
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#14
 2,4,6-Tribromophenol
 Concen: 0.320 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099532.D
 Acq: 3 May 2019 16:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.4	71.5	107.3
141	37.2	24.0	36.0#





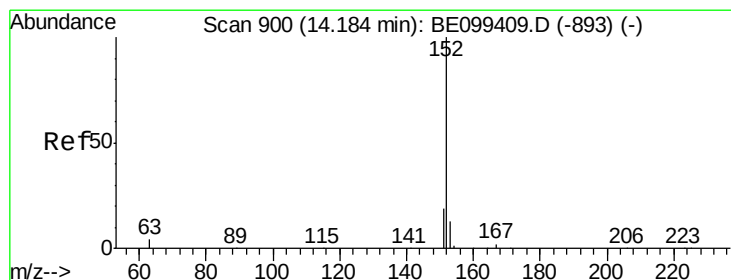
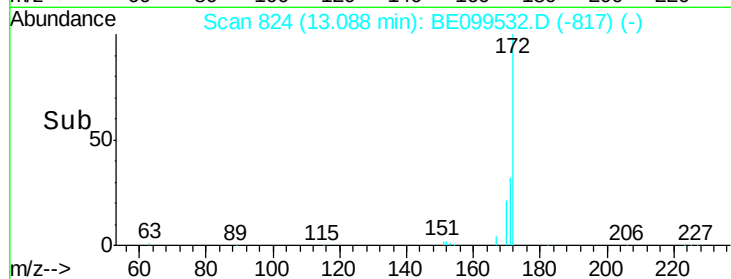
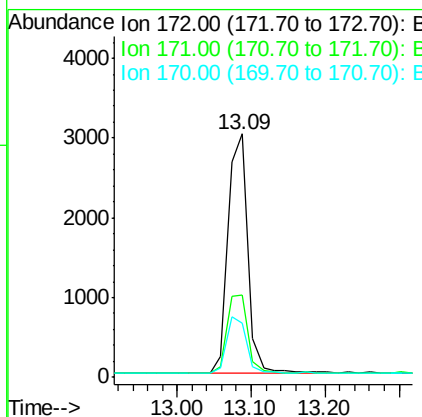
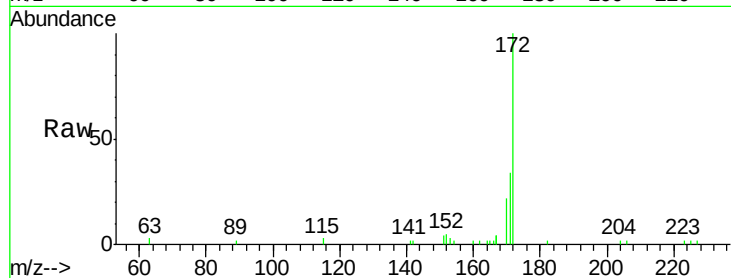
#15
2-Fluorobiphenyl
Concen: 0.226 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099532.D
Acq: 3 May 2019 16:31

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW069-042319

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	26.6	39.8
170	22.1	17.0	25.6

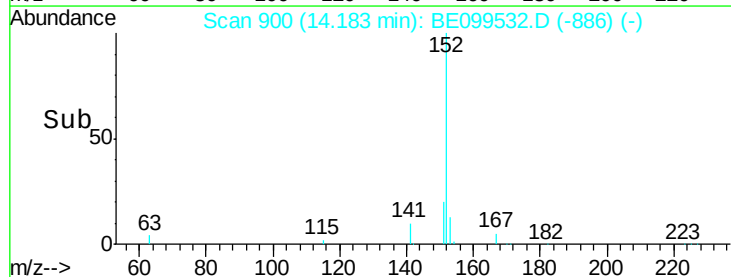
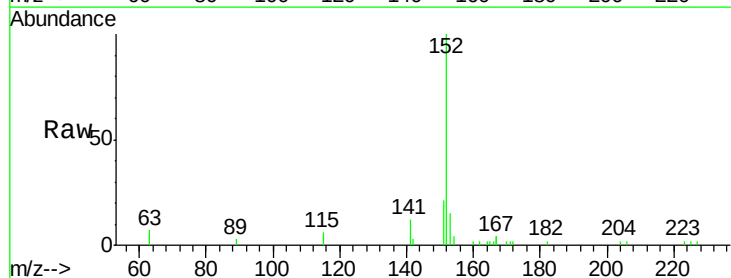
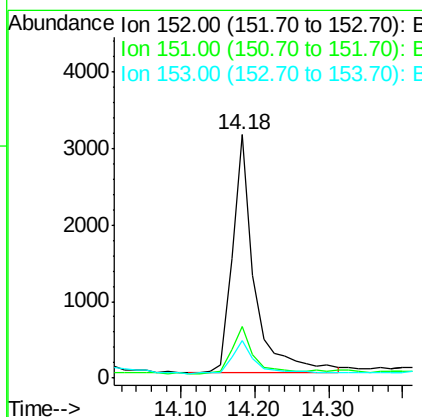
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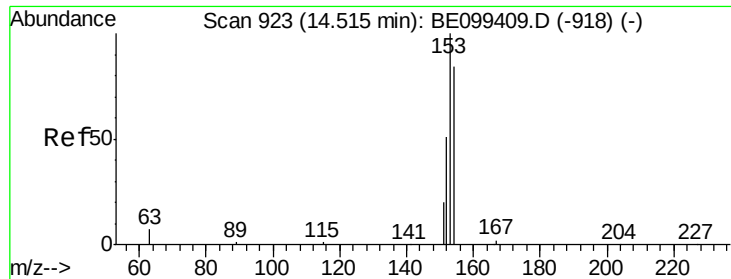
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#16
Acenaphthylene
Concen: 0.200 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099532.D
Acq: 3 May 2019 16:31

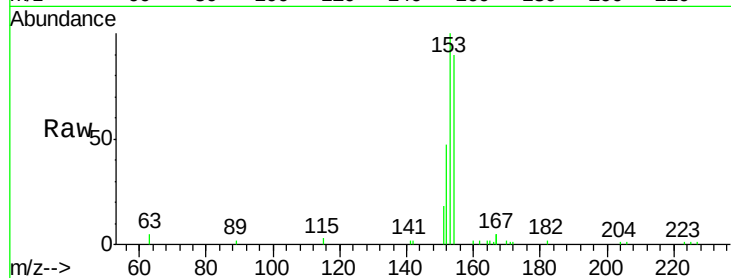
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.4	23.2
153	14.6	9.8	14.6#





#17
Acenaphthene
Concen: 0.386 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.01 min
Lab File: BE099532.D
Acq: 3 May 2019 16:31

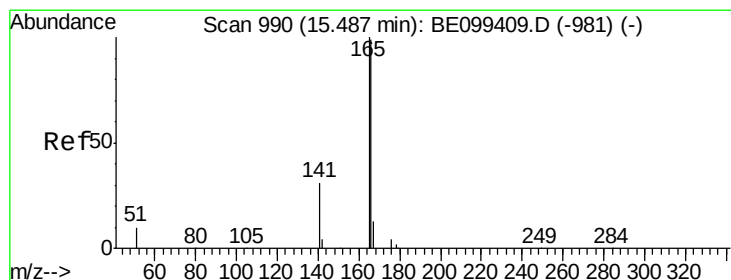
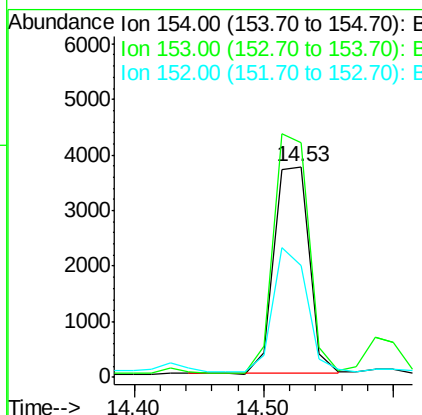
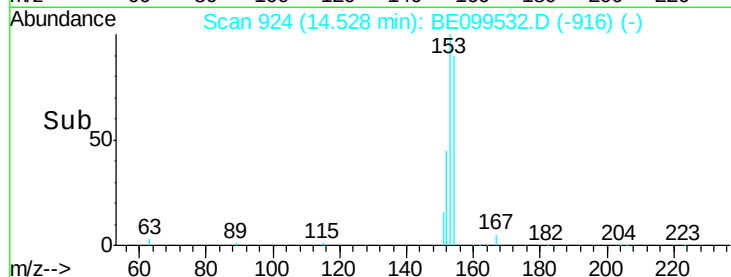
Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.5	92.6	138.8
152	57.0	45.8	68.8

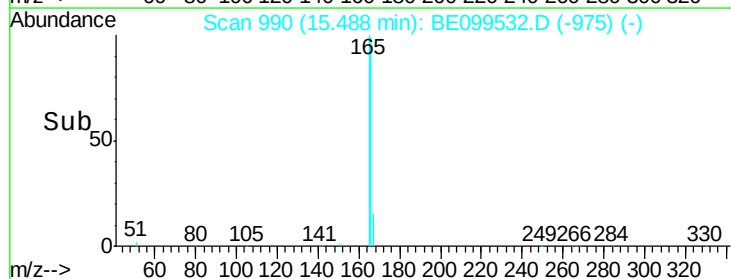
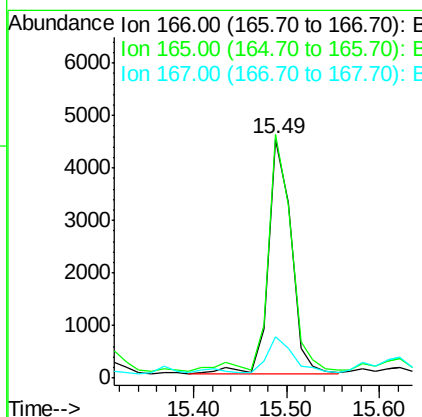
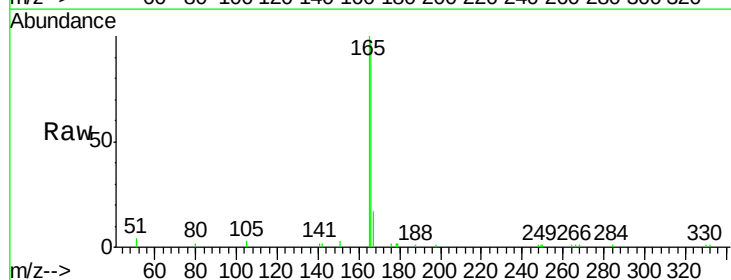
Manual Integrations
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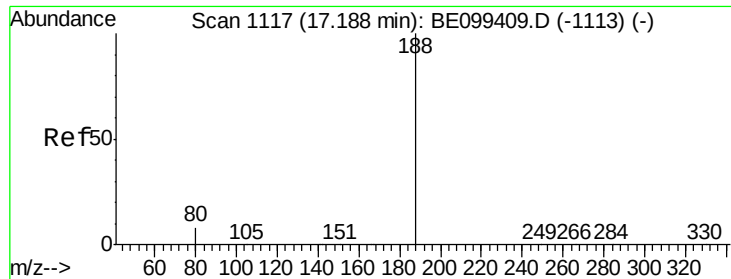
mohammad
5/7/2019 11:56:38 PM



#18
Fluorene
Concen: 0.288 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099532.D
Acq: 3 May 2019 16:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.2	80.3	120.5
167	16.6	10.7	16.1#





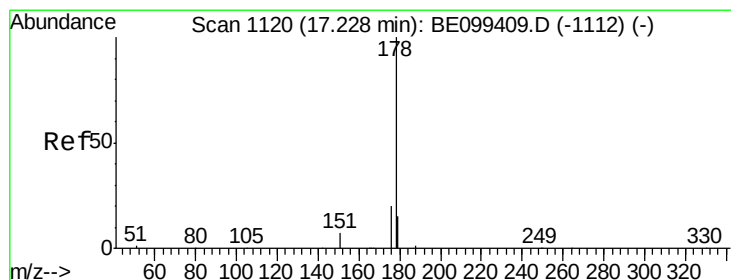
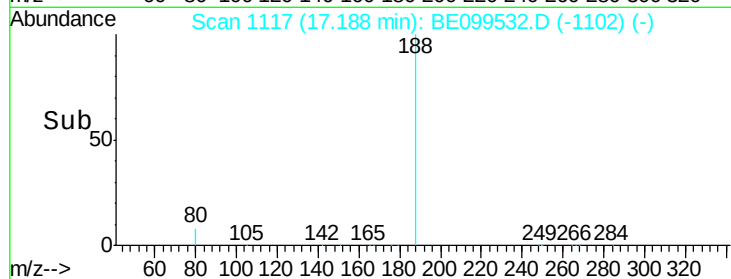
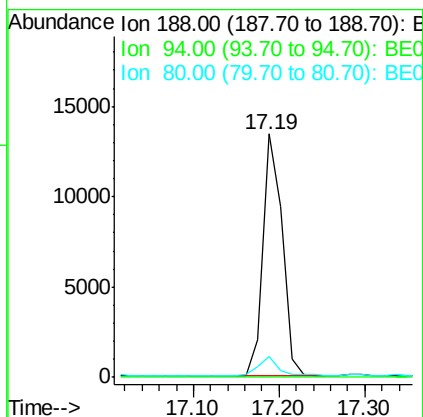
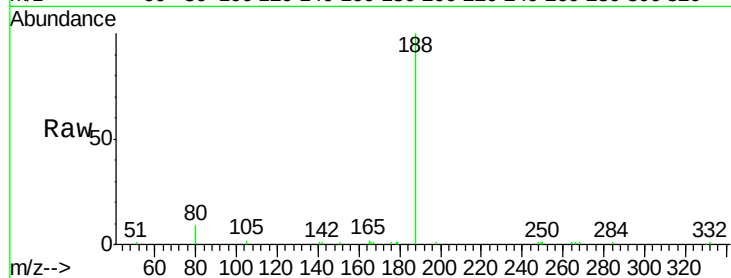
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099532.D
Acq: 3 May 2019 16:31

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW069-042319

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	6.7	10.1

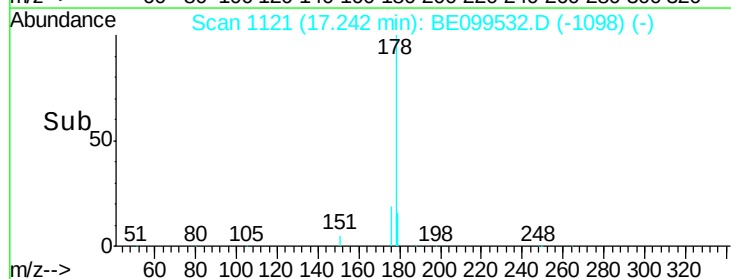
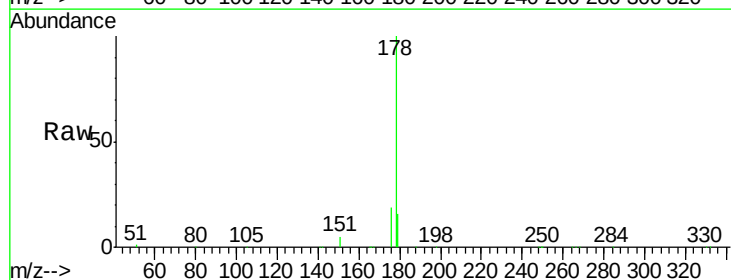
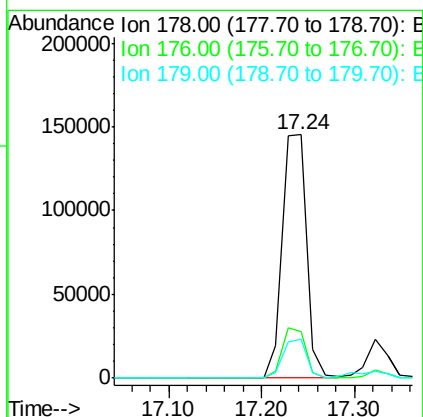
Manual Integrations
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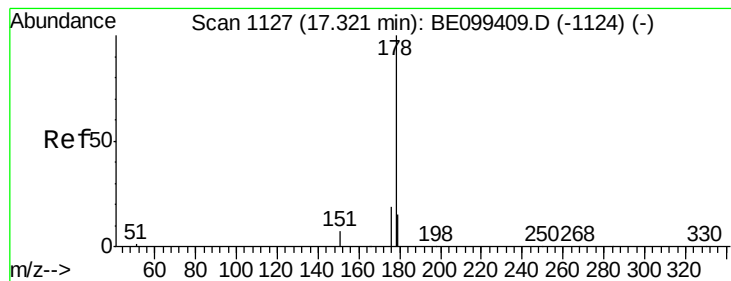
mohammad
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#23
Phenanthrene
Concen: 4.889 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099532.D
Acq: 3 May 2019 16:31

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	15.6	23.4
179	15.3	12.0	18.0





#24

Anthracene

Concen: 0.714 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099532.D

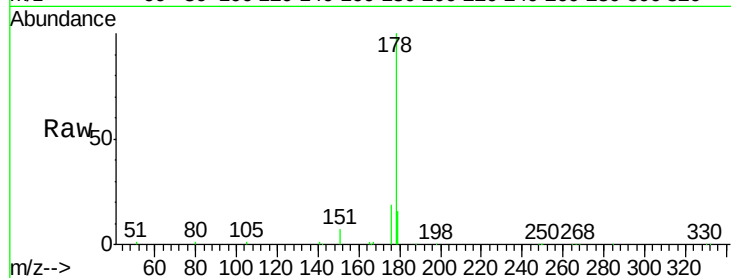
Acq: 3 May 2019 16:31

Instrument :

BNA_E

ClientSampleId :

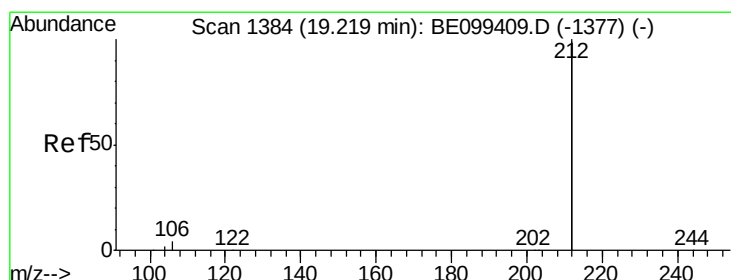
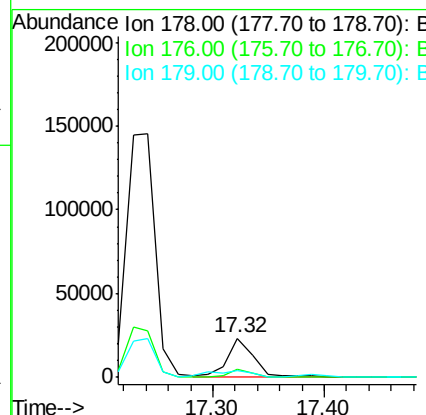
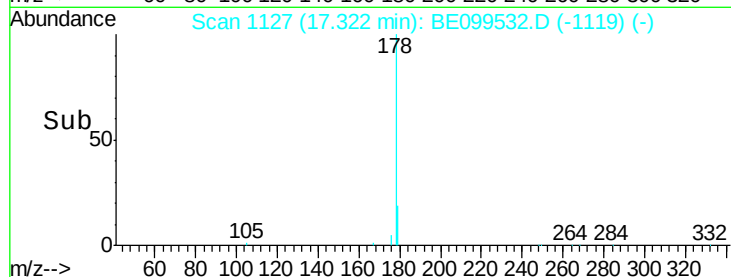
EXT-004-SW069-042319



Tgt Ion:	178	Resp:	36708
Ion Ratio	Lower	Upper	
178	100		
176	17.7	14.9	22.3
179	23.2	11.9	17.9

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#25

Fluoranthene-d10

Concen: 0.226 ng

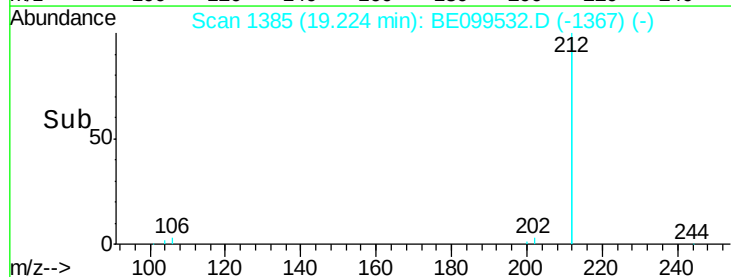
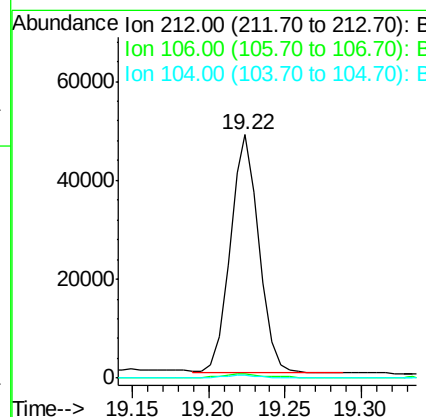
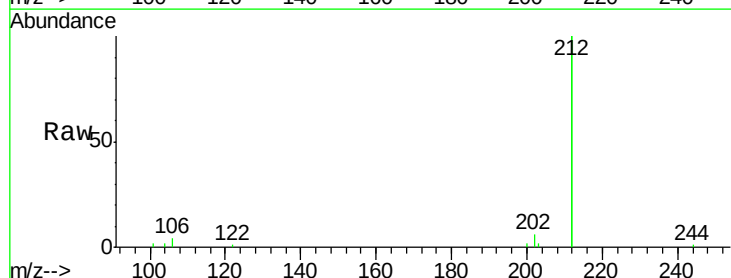
RT: 19.22 min Scan# 1385

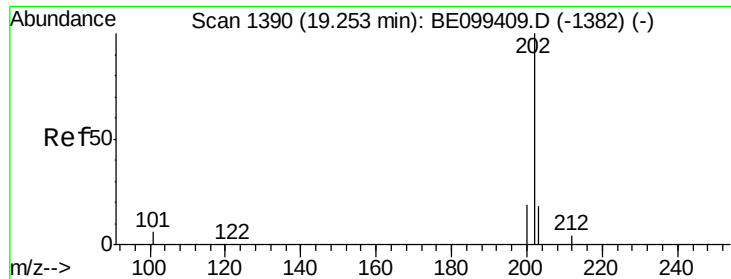
Delta R.T. 0.01 min

Lab File: BE099532.D

Acq: 3 May 2019 16:31

Tgt Ion:	212	Resp:	63555
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.5	2.3
104	1.1	0.9	1.3





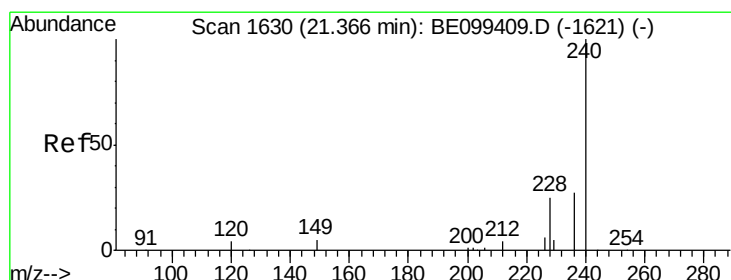
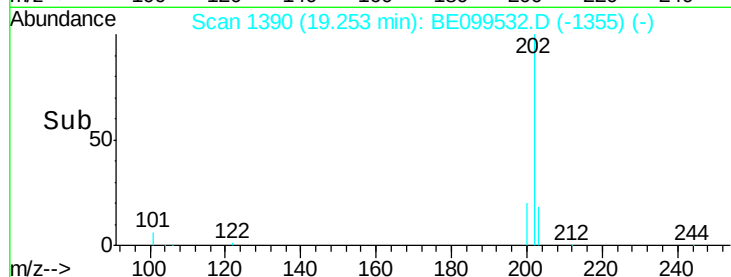
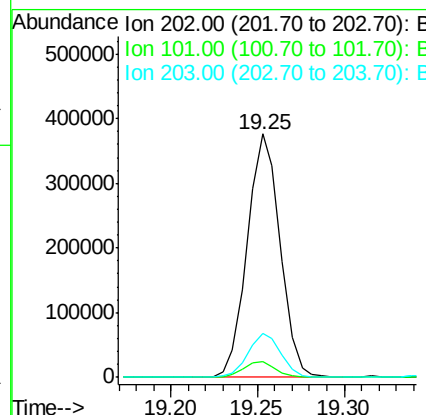
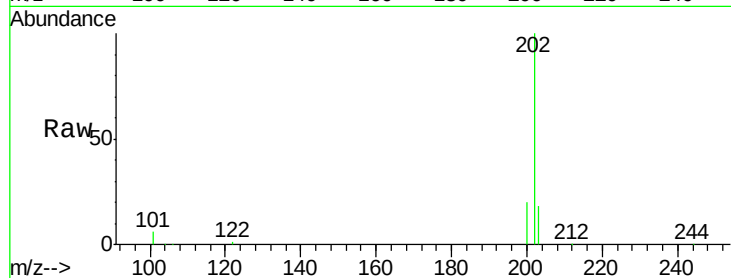
#26
 Fluoranthene
 Concen: 6.153 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: BE099532.D
 Acq: 3 May 2019 16:31

Instrument :
 BNA_E
 ClientSampleId :
 EXT-004-SW069-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	6.3	5.4	8.0
203	17.7	13.9	20.9

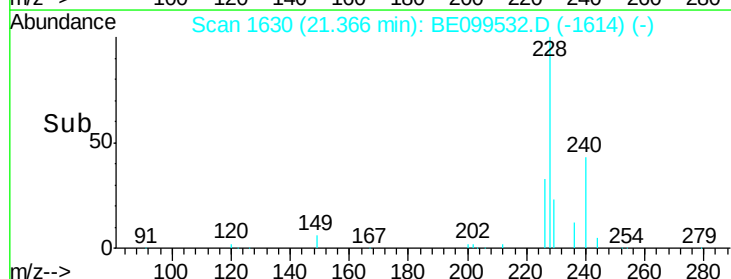
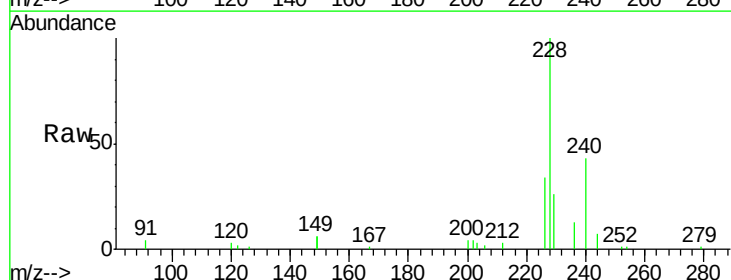
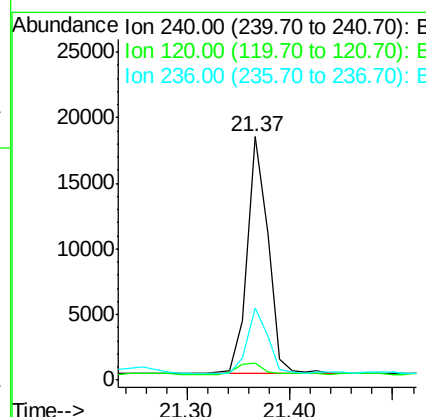
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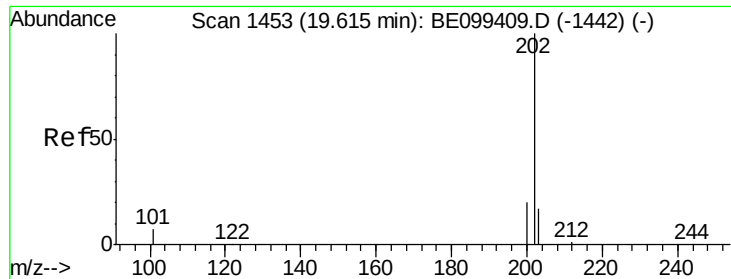
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099532.D
 Acq: 3 May 2019 16:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	6.9	4.0	6.0#
236	29.6	22.0	33.0





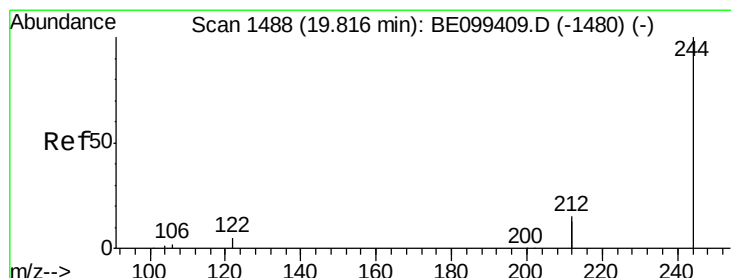
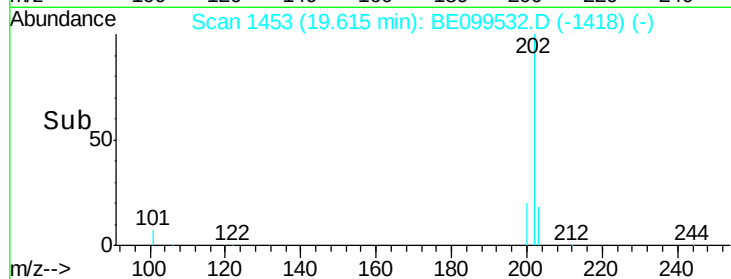
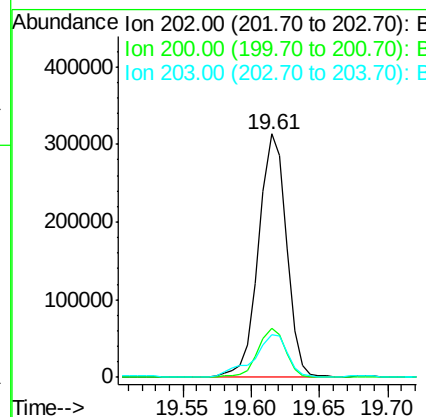
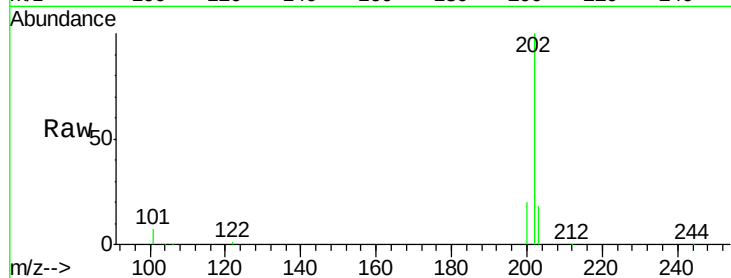
#28
 Pyrene
 Concen: 6.728 ng
 RT: 19.61 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BE099532.D
 Acq: 3 May 2019 16:31

Instrument :
 BNA_E
 ClientSampleId :
 EXT-004-SW069-042319

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	440206		
200	20.0	15.7	23.5	
203	21.5	13.9	20.9#	

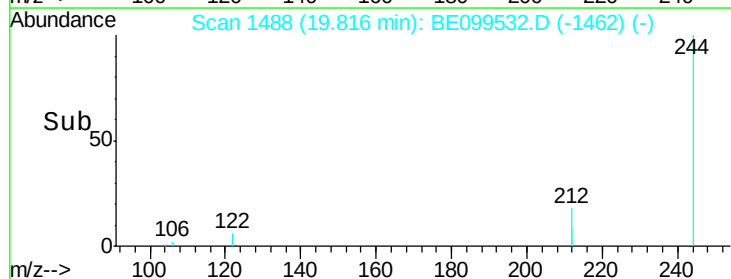
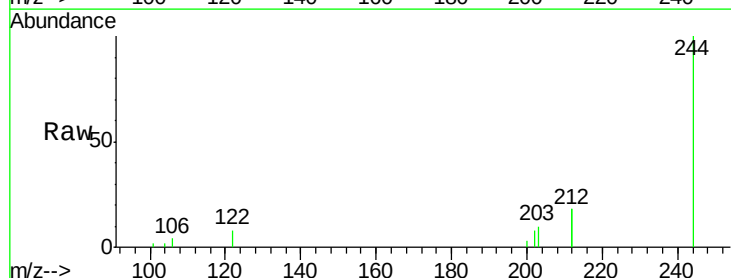
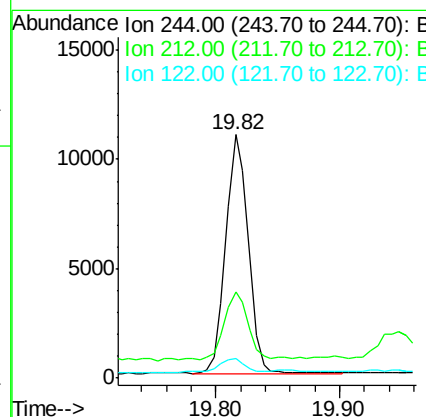
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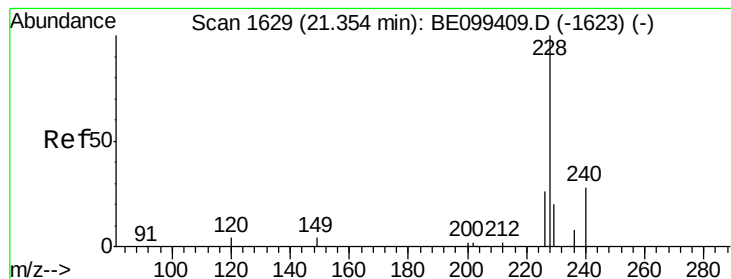
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#29
 Terphenyl-d14
 Concen: 0.299 ng
 RT: 19.82 min Scan# 1488
 Delta R.T. -0.00 min
 Lab File: BE099532.D
 Acq: 3 May 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	13728		
212	35.3	23.2	34.8#	
122	7.9	4.2	6.4#	





#30

Benzo(a)anthracene

Concen: 3.162 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099532.D

Acq: 3 May 2019 16:31

Instrument :

BNA_E

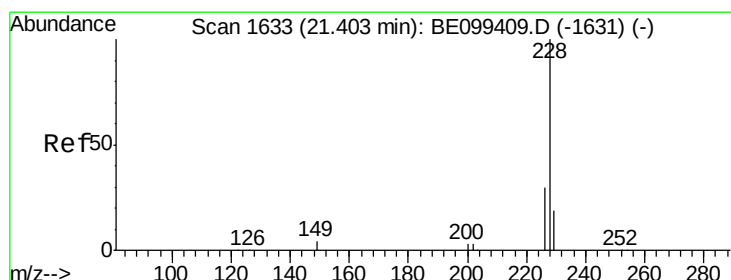
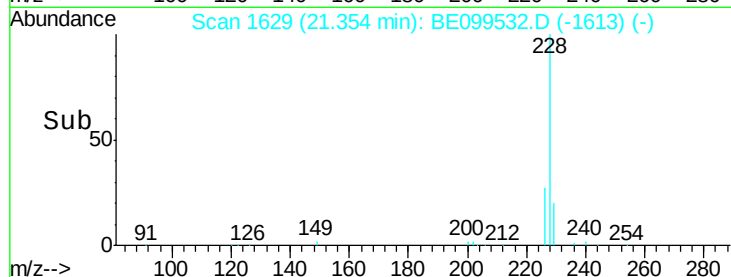
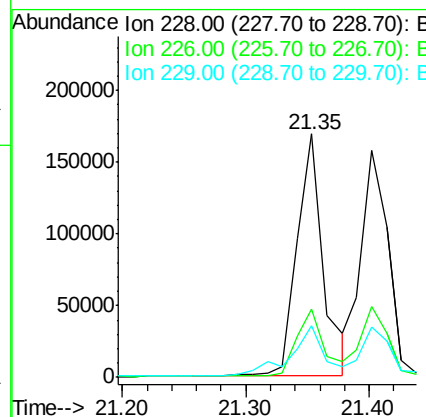
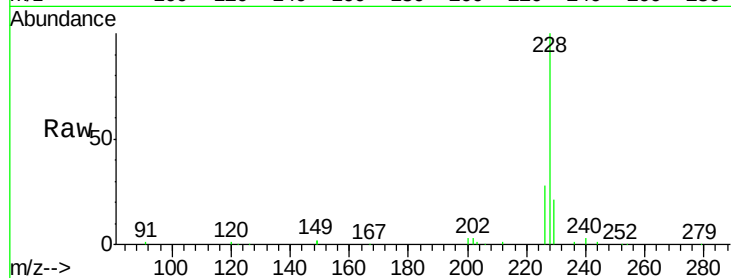
ClientSampleId :

EXT-004-SW069-042319

Tgt Ion:	228	Resp:	252850
Ion Ratio	Lower	Upper	
228	100		
226	27.9	21.0	31.6
229	21.1	16.6	25.0

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#31

Chrysene

Concen: 3.062 ng

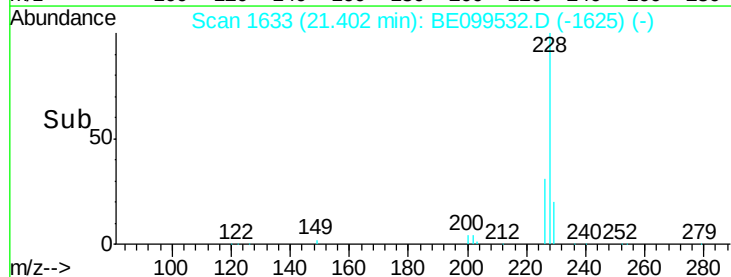
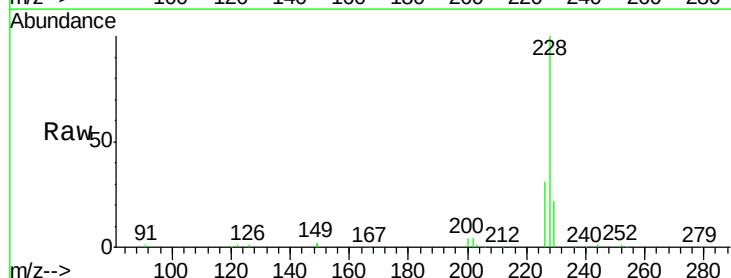
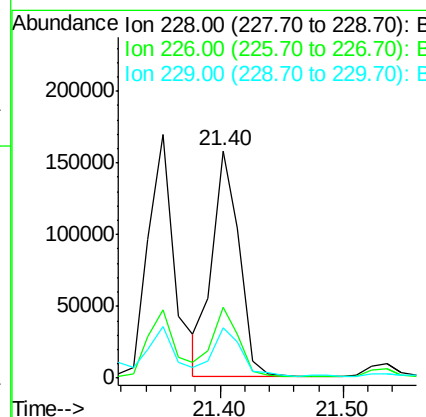
RT: 21.40 min Scan# 1633

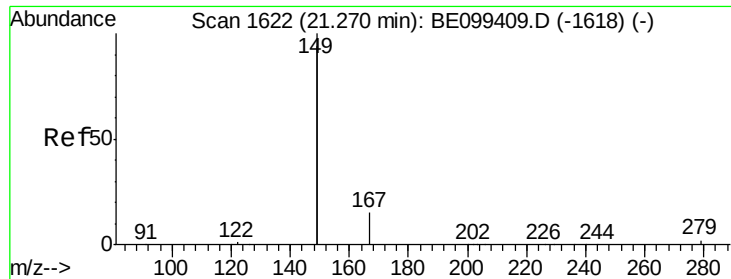
Delta R.T. -0.00 min

Lab File: BE099532.D

Acq: 3 May 2019 16:31

Tgt Ion:	228	Resp:	239673
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.0	36.0
229	22.3	15.8	23.8





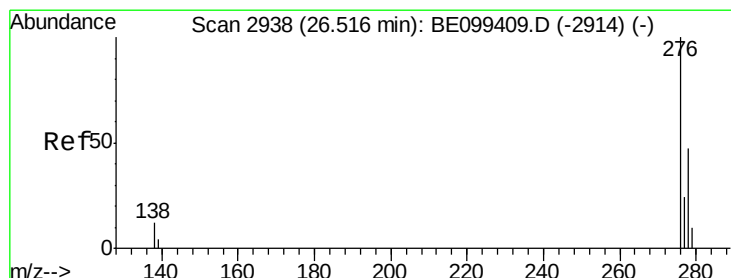
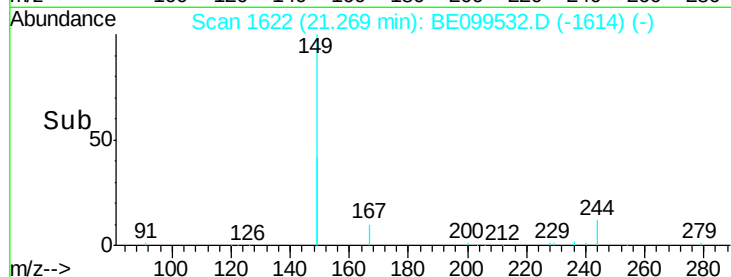
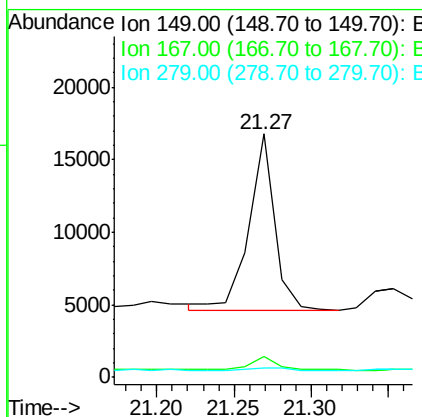
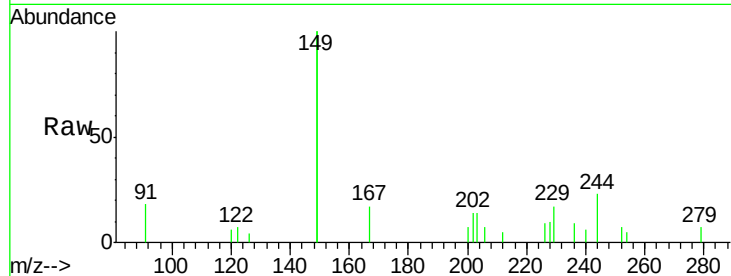
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.055 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE099532.D
 Acq: 3 May 2019 16:31

Instrument :
 BNA_E
 ClientSampleId :
 EXT-004-SW069-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	8.2	5.8	8.6
279	2.7	1.0	1.6

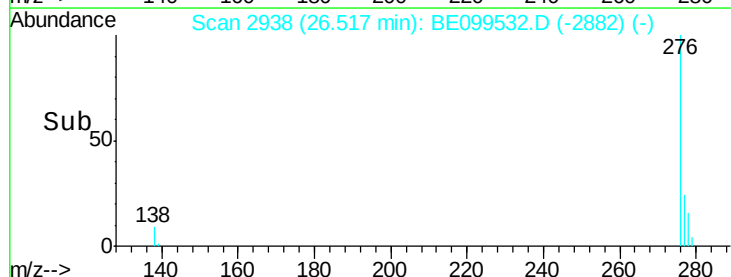
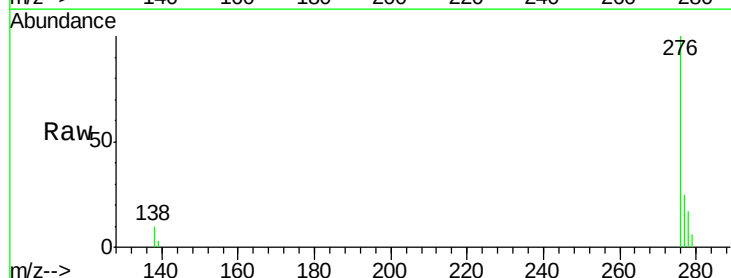
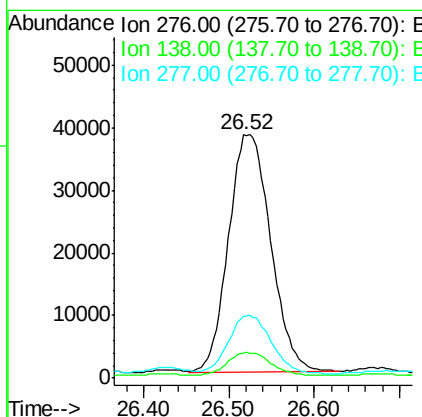
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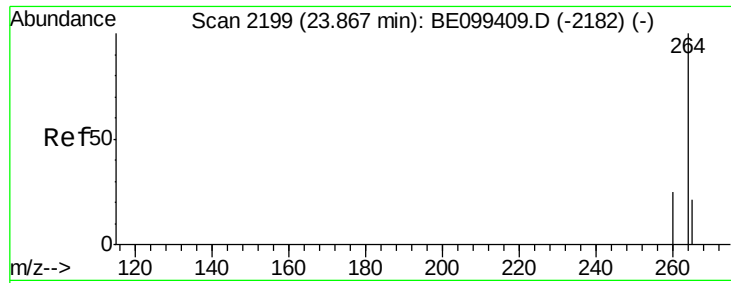
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.410 ng
 RT: 26.52 min Scan# 2938
 Delta R.T. 0.00 min
 Lab File: BE099532.D
 Acq: 3 May 2019 16:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	9.9	10.2	15.2
277	24.6	19.2	28.8





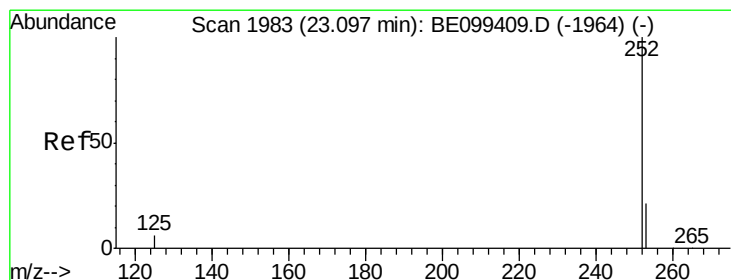
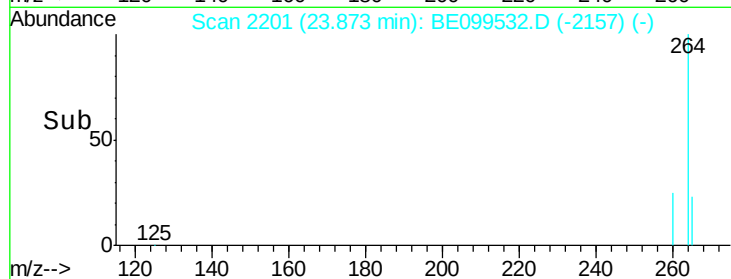
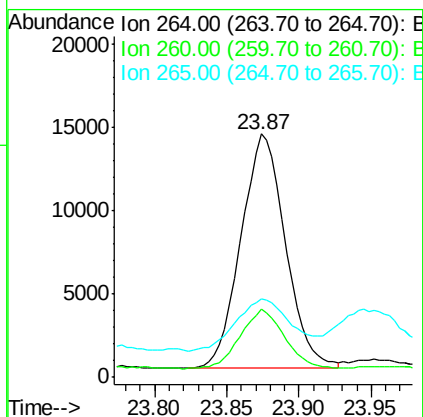
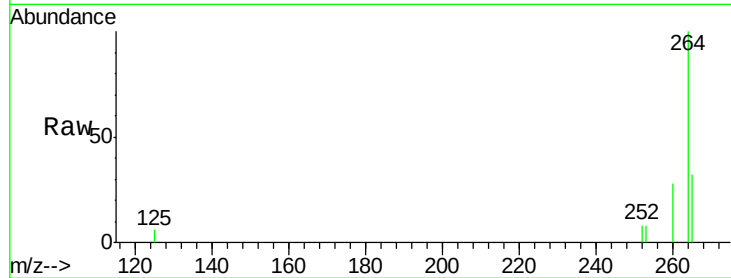
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.87 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: BE099532.D
 Acq: 3 May 2019 16:31

Instrument :
 BNA_E
 ClientSampleId :
 EXT-004-SW069-042319

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	29754		
260	28.2		20.2	30.2
265	32.1		21.3	31.9

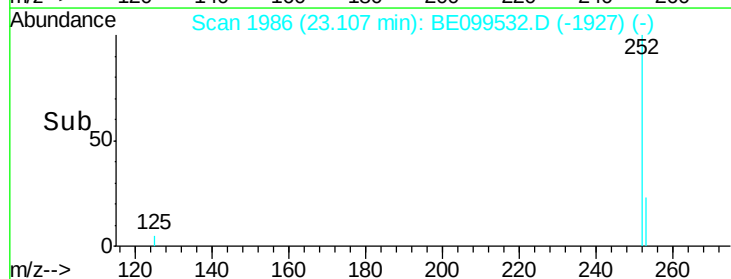
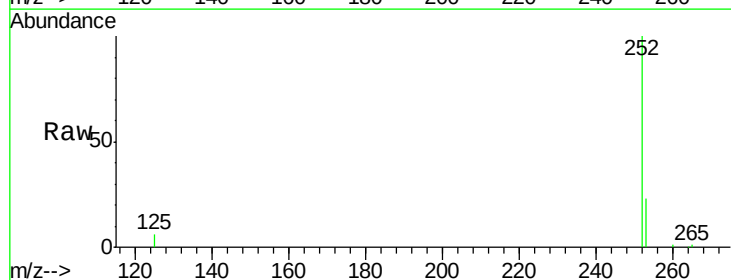
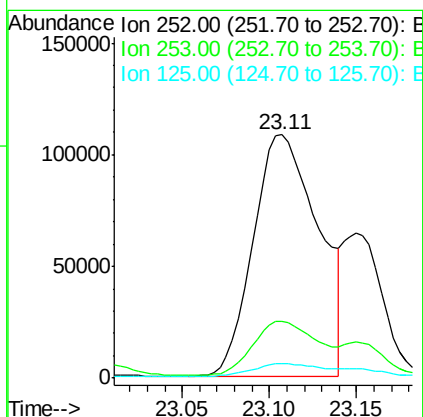
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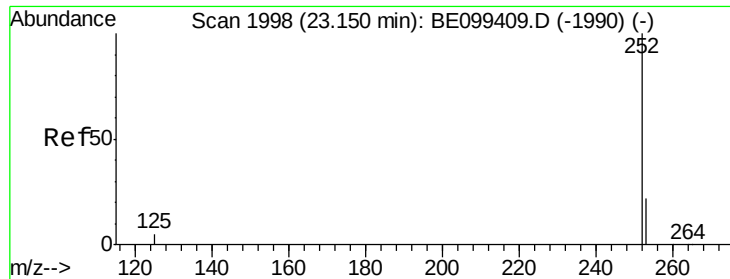
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#35
Benzo(b)fluoranthene
 Concen: 3.282 ng
 RT: 23.11 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: BE099532.D
 Acq: 3 May 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	281559		
253	23.4		18.1	27.1
125	5.8		5.6	8.4





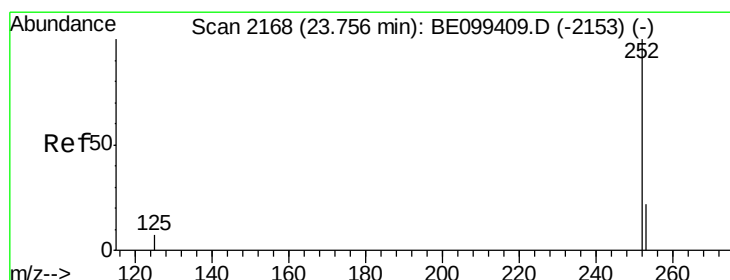
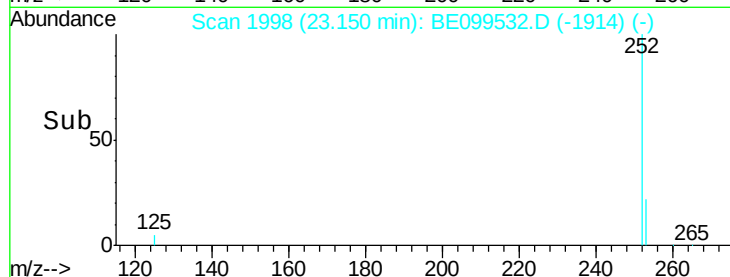
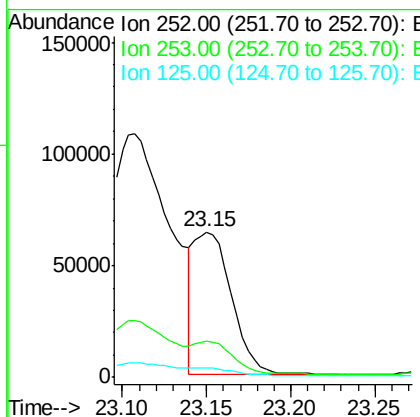
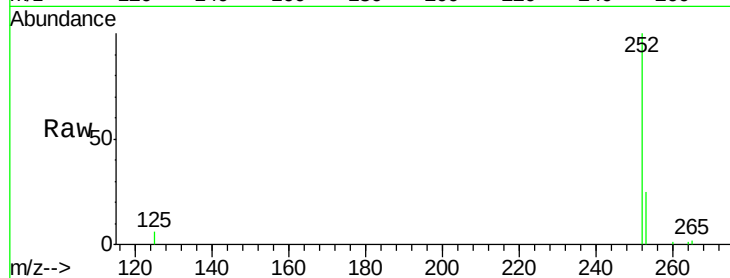
#36
Benzo(k)fluoranthene
Concen: 1.196 ng m
RT: 23.15 min Scan# 1998
Delta R.T. -0.00 min
Lab File: BE099532.D
Acq: 3 May 2019 16:31

Instrument :
BNA_E
ClientSampleId :
EXT-004-SW069-042319

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	98938		
253	24.6	18.4	27.6	
125	6.2	5.0	7.4	

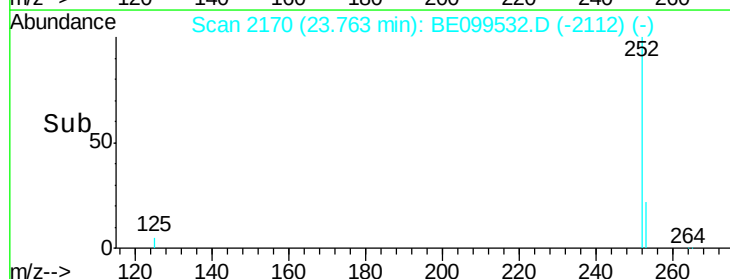
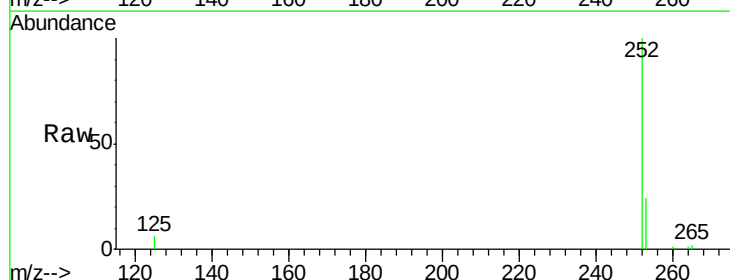
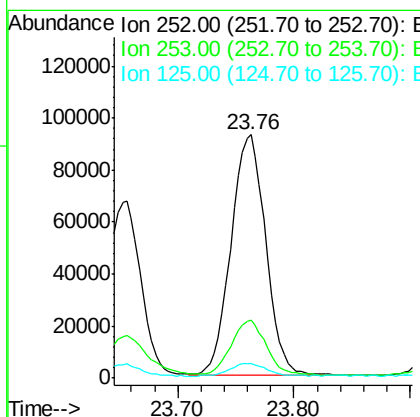
Manual Integrations
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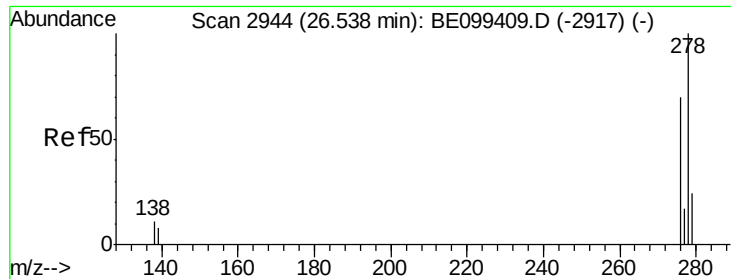
mohammad
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#37
Benzo(a)pyrene
Concen: 2.376 ng m
RT: 23.76 min Scan# 2170
Delta R.T. 0.01 min
Lab File: BE099532.D
Acq: 3 May 2019 16:31

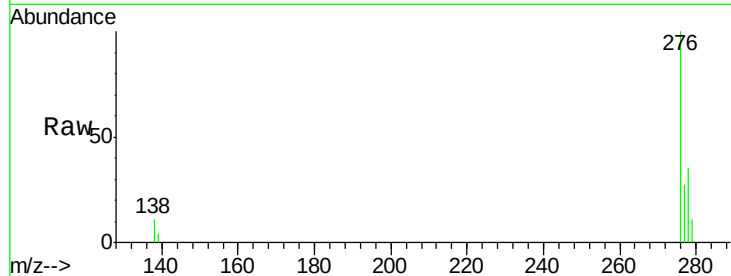
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	192716		
253	23.8	18.9	28.3	
125	6.1	6.7	10.1	





#38
 Dibenzo(a,h)anthracene
 Concen: 0.399 ng
 RT: 26.55 min Scan# 2946
 Delta R.T. 0.01 min
 Lab File: BE099532.D
 Acq: 3 May 2019 16:31

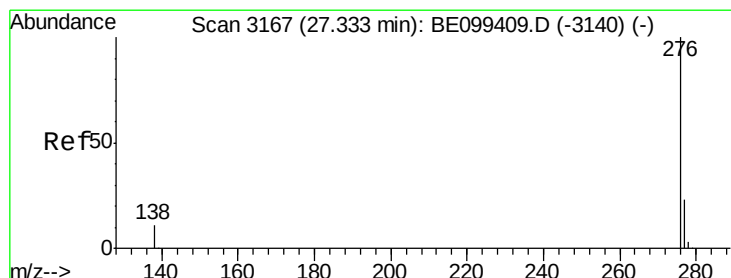
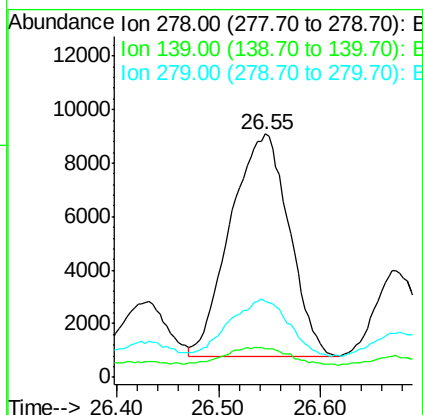
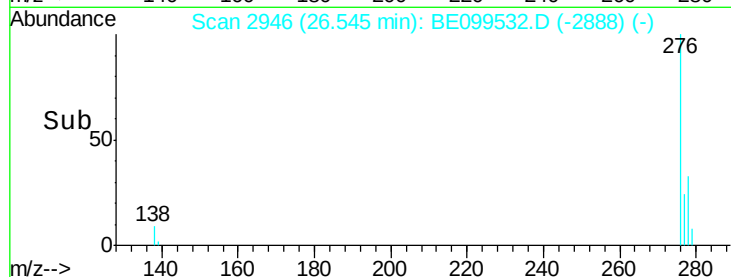
Instrument :
 BNA_E
 ClientSampleId :
 EXT-004-SW069-042319



Tgt Ion: 278 Resp: 33113
 Ion Ratio Lower Upper
 278 100
 139 11.9 7.7 11.5#
 279 31.4 20.2 30.2#

Manual Integrations
 APPROVED

mohammad
 5/7/2019 11:56:38 PM



#39
 Benzo(g,h,i)perylene
 Concen: 1.511 ng
 RT: 27.35 min Scan# 3172
 Delta R.T. 0.02 min
 Lab File: BE099532.D
 Acq: 3 May 2019 16:31

Tgt Ion: 276 Resp: 125606
 Ion Ratio Lower Upper
 276 100
 277 25.5 19.5 29.3
 138 10.6 9.6 14.4

