

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032919\
 Data File : BE099253.D
 Acq On : 29 Mar 2019 13:58
 Operator : JU/SJ
 Sample : K1982-06MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW009-032519MS

Manual Integrations
 APPROVED

Sohil
 4/10/2019 1:24:40 AM

Quant Time: Mar 29 23:14:48 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE032519.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Mar 26 07:02:06 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	3776	0.40	ng	-0.01
7) Naphthalene-d8	10.63	136	13976	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	9276	0.40	ng	-0.01
19) Phenanthrene-d10	17.20	188	30364	0.40	ng	-0.01
27) Chrysene-d12	21.38	240	38762	0.40	ng	-0.01
34) Perylene-d12	23.89	264	36086	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.41	112	3637	0.32	ng	0.00
5) Phenol-d6	6.99	99	4881	0.28	ng	0.00
8) Nitrobenzene-d5	8.98	82	3570	0.31	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	8238	0.31	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1339	0.48	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	12612	0.33	ng	0.00
25) Fluoranthene-d10	19.23	212	136352	0.37	ng	-0.01
29) Terphenyl-d14	19.83	244	23636	0.28	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.35	88	1455	0.292	ng	# 48
3) n-Nitrosodimethylamine	3.66	42	1054	0.378	ng	# 90
6) bis(2-Chloroethyl)ether	7.25	93	4495	0.332	ng	95
9) Naphthalene	10.67	128	55931	0.339	ng	99
10) Hexachlorobutadiene	10.95	225	3011	0.343	ng	97
12) 2-Methylnaphthalene	12.30	142	9671	0.328	ng	99
16) Acenaphthylene	14.20	152	15351	0.325	ng	100
17) Acenaphthene	14.54	154	9728	0.344	ng	95
18) Fluorene	15.50	166	14305	0.360	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	5876	0.300	ng	# 84
21) Hexachlorobenzene	16.51	284	5254	0.278	ng	99
22) Pentachlorophenol	16.85	266	2625	1.092	ng	86
23) Phenanthrene	17.24	178	29751	0.334	ng	100
24) Anthracene	17.34	178	26192	0.325	ng	99
26) Fluoranthene	19.27	202	45296	0.398	ng	99
28) Pyrene	19.62	202	46960	0.365	ng	99
30) Benzo(a)anthracene	21.37	228	43354	0.339	ng	99
31) Chrysene	21.41	228	43837	0.321	ng	99
32) Bis(2-ethylhexyl)phthalate	21.28	149	59712	0.391	ng	100
33) Indeno(1,2,3-cd)pyrene	26.54	276	31709	0.245	ng	97
35) Benzo(b)fluoranthene	23.11	252	37338m	0.314	ng	
36) Benzo(k)fluoranthene	23.17	252	41937	0.334	ng	98
37) Benzo(a)pyrene	23.78	252	36917	0.333	ng	# 93
38) Dibenzo(a,h)anthracene	26.58	278	25007	0.254	ng	97
39) Benzo(g,h,i)perylene	27.36	276	25445	0.258	ng	98

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

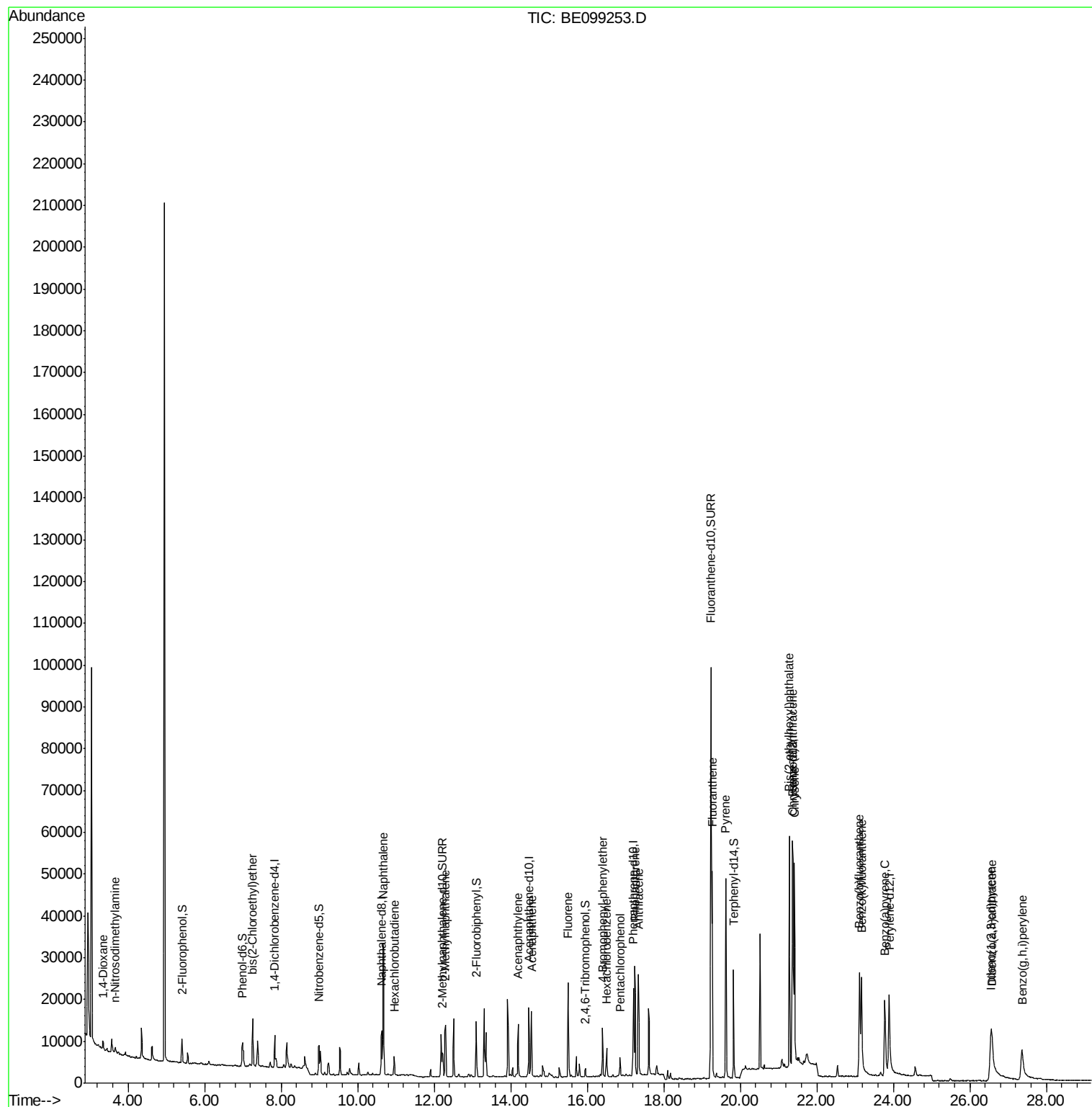
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE032919\
Data File : BE099253.D
Acq On : 29 Mar 2019 13:58
Operator : JU/SJ
Sample : K1982-06MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

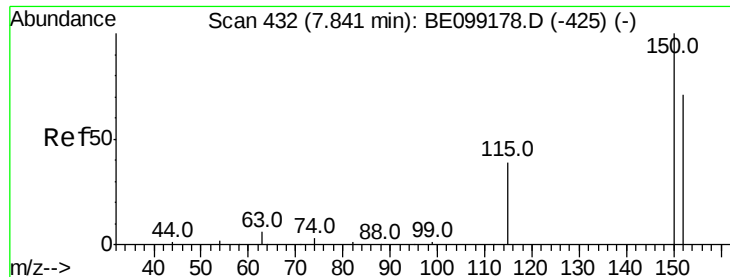
Instrument :
BNA_E
ClientSampleId :
EXT-028-SW009-032519MS

Manual Integrations
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4/10/2019 1:24:40 AM

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

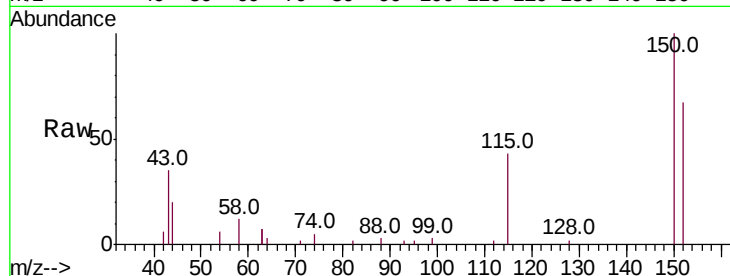
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.83 min Scan# 431
Delta R.T. -0.01 min
Lab File: BE099253.D
Acq: 29 Mar 2019 13:58

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW009-032519MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.4	112.8	169.2
115	63.5	45.1	67.7

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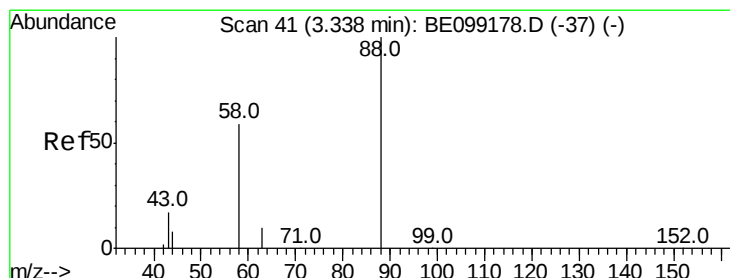
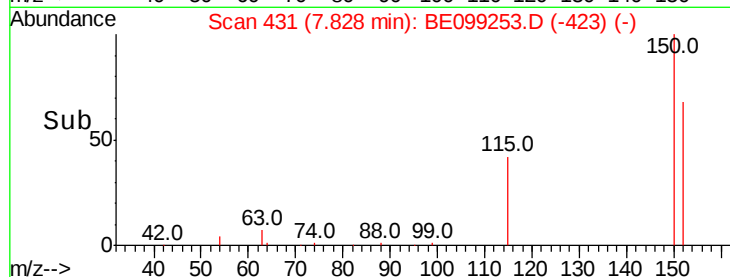
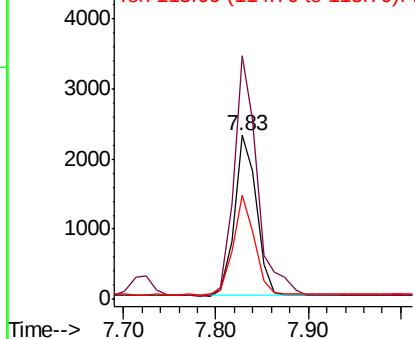


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

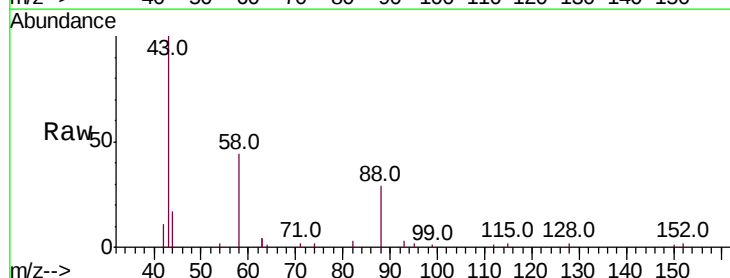
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 0.292 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.01 min
Lab File: BE099253.D
Acq: 29 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.5	47.4	71.0#
43	67.8	15.6	23.4#

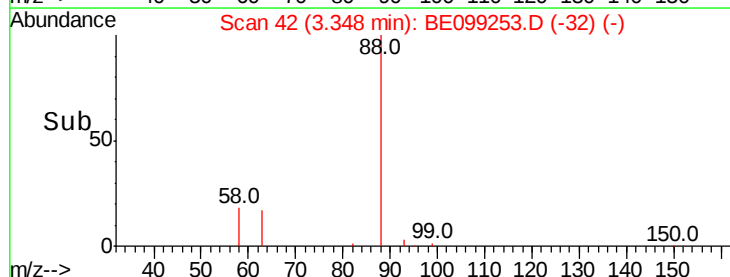
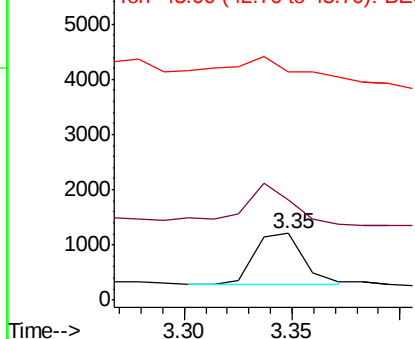


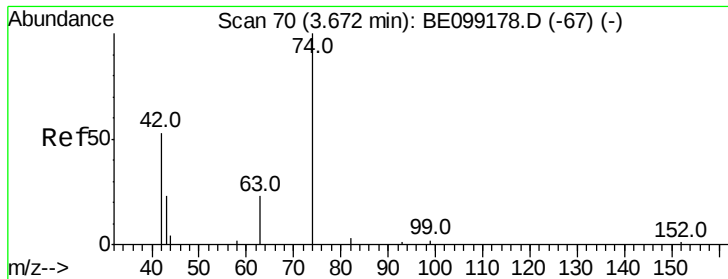
Abundance

Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.378 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.01 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Instrument :

BNA_E

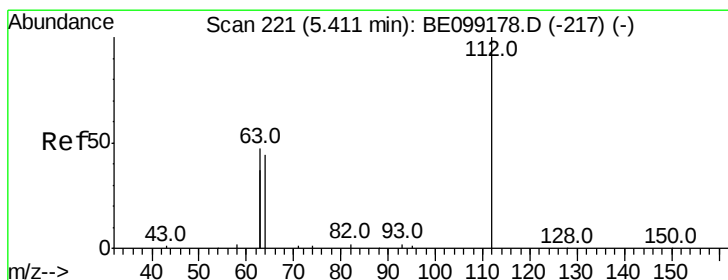
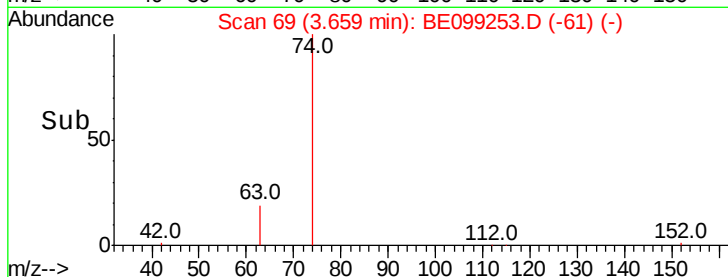
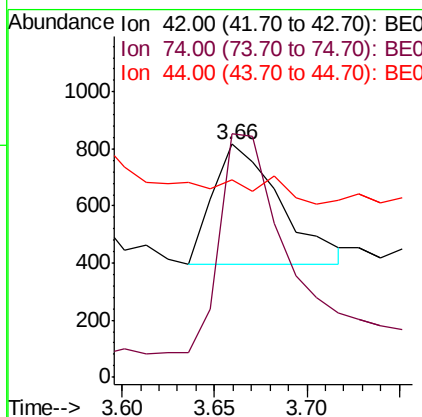
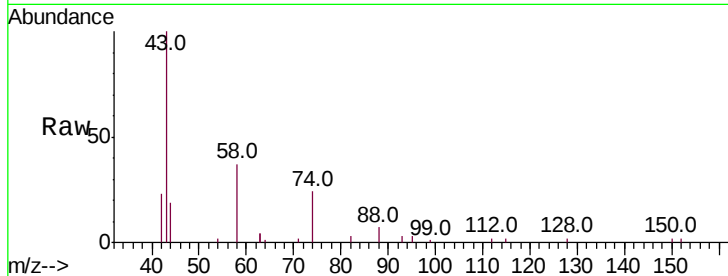
ClientSampleId :

EXT-028-SW009-032519MS

Tot Ion:	42	Resp:	1054
Ion	Ratio	Lower	Upper
42	100		
74	182.9	138.6	207.8
44	0.0	15.0	22.6#

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#4

2-Fluorophenol

Concen: 0.323 ng

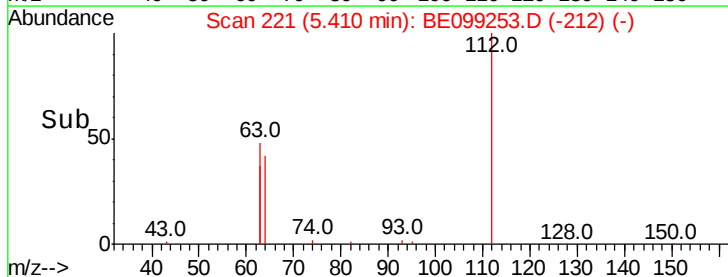
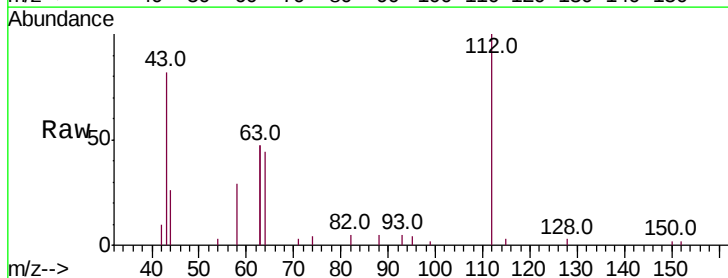
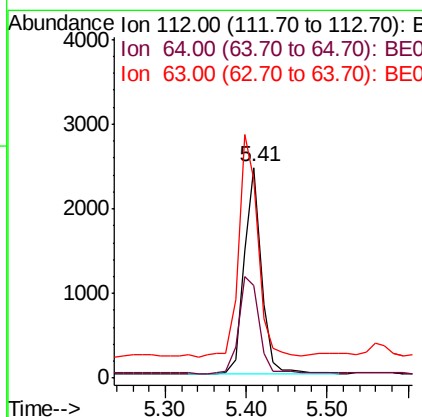
RT: 5.41 min Scan# 221

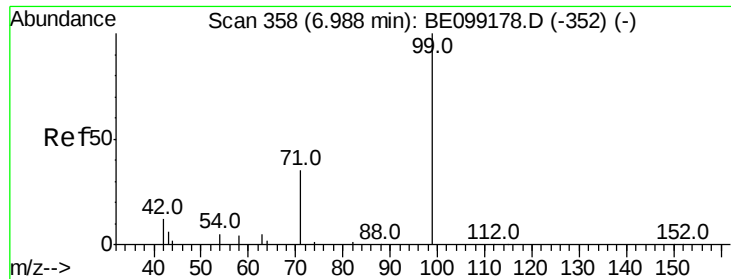
Delta R.T. -0.00 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Tgt Ion:	112	Resp:	3637
Ion	Ratio	Lower	Upper
112	100		
64	53.9	46.2	69.2
63	116.7	89.9	134.9





#5

Phenol-d6

Concen: 0.283 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Instrument :

BNA_E

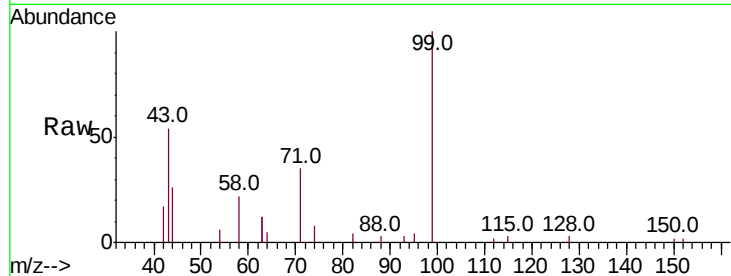
ClientSampleId :

EXT-028-SW009-032519MS

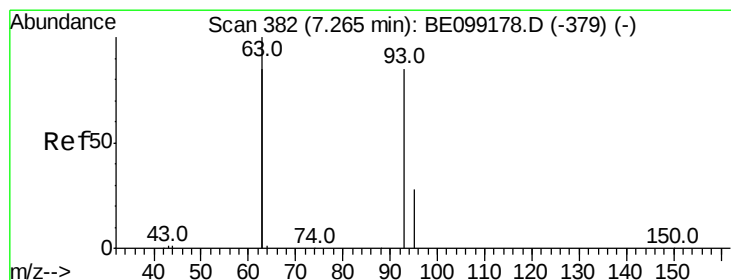
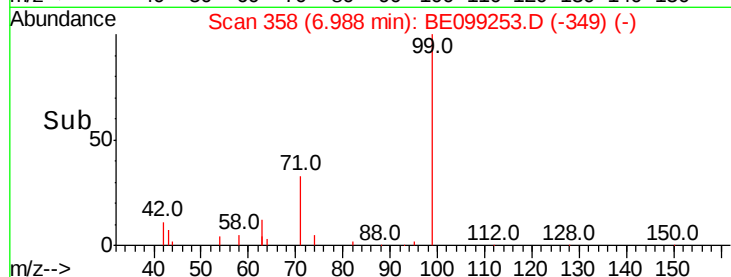
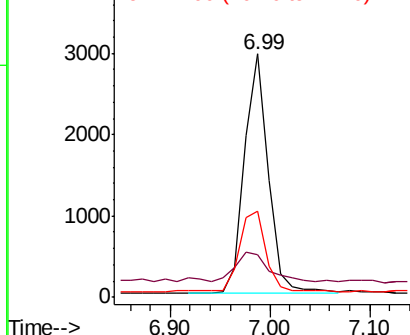
Tot Ion:	99	Resp:	4881
Ion	Ratio	Lower	Upper
99	100		
42	17.3	12.4	18.6
71	37.0	28.4	42.6

Manual Integrations
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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.332 ng

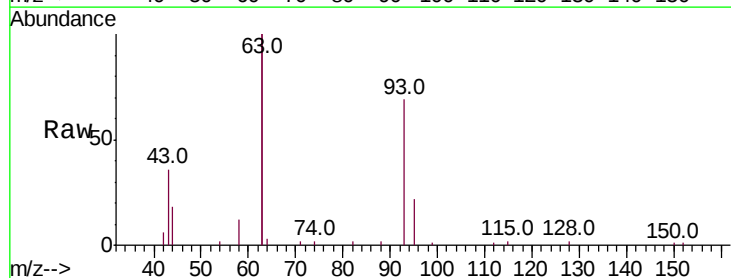
RT: 7.25 min Scan# 381

Delta R.T. -0.01 min

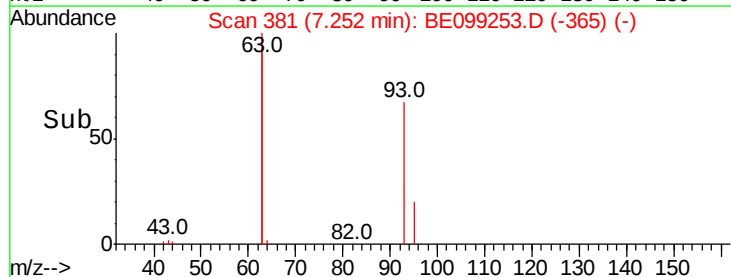
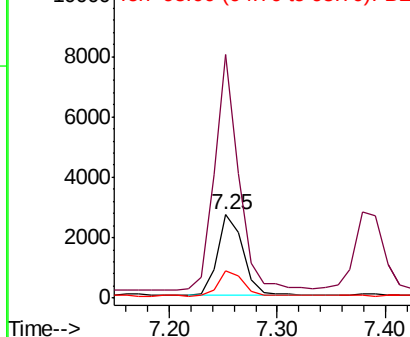
Lab File: BE099253.D

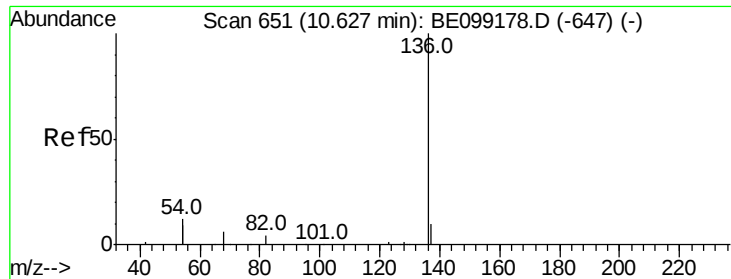
Acq: 29 Mar 2019 13:58

Tgt Ion:	93	Resp:	4495
Ion	Ratio	Lower	Upper
93	100		
63	266.5	221.4	332.0
95	30.6	25.8	38.8



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Instrument :

BNA_E

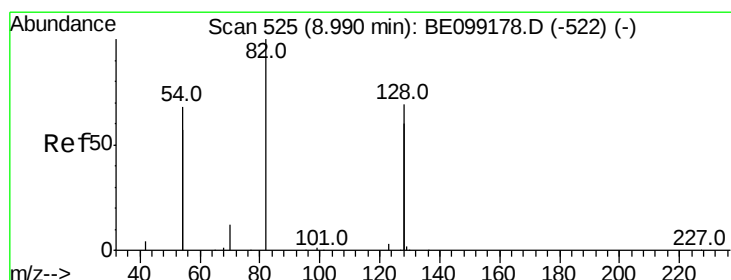
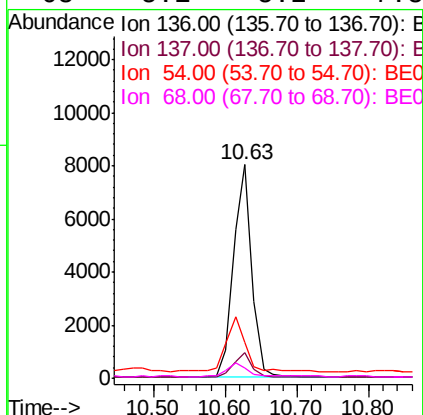
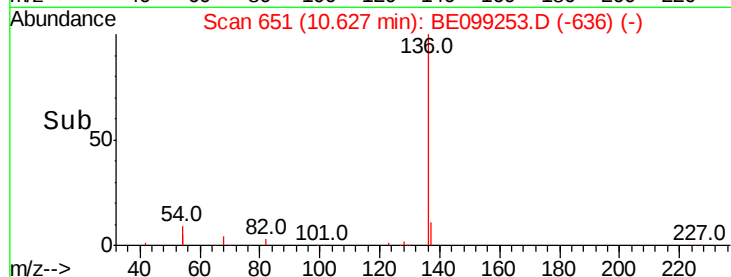
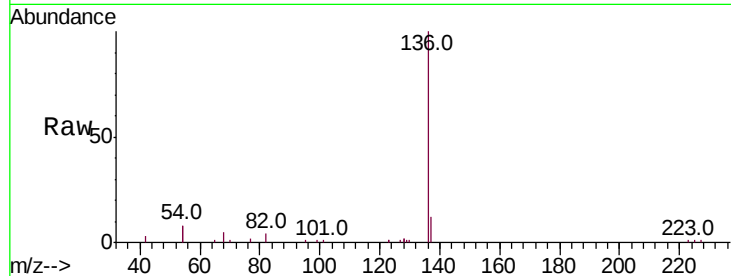
ClientSampleId :

EXT-028-SW009-032519MS

Tot Ion:	136	Resp:	13976
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.7	13.1
54	17.0	18.7	28.1#
68	5.1	5.2	7.8#

Manual Integrations
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4/10/2019 1:24:40 AM



#8

Nitrobenzene-d5

Concen: 0.313 ng

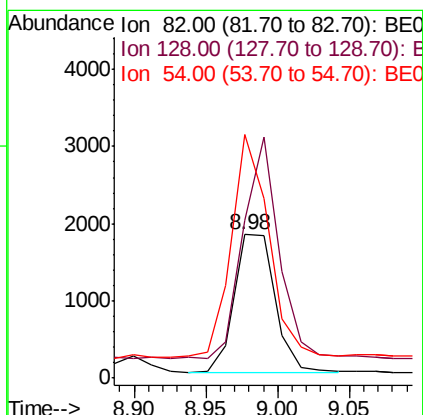
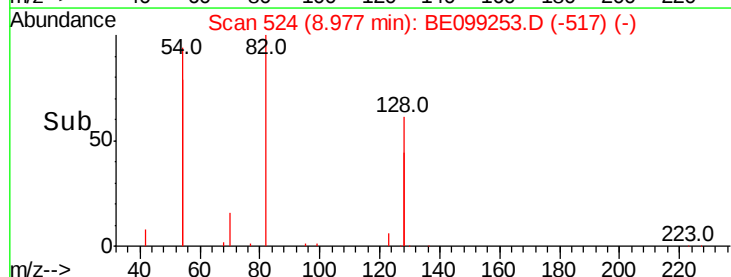
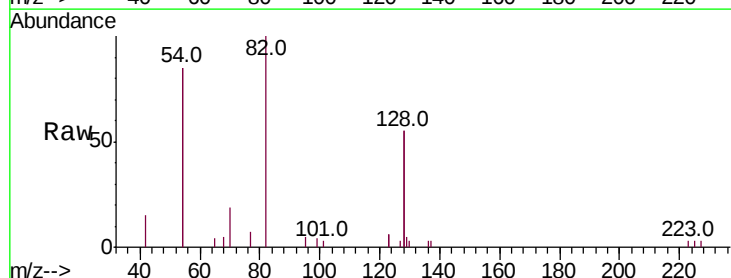
RT: 8.98 min Scan# 524

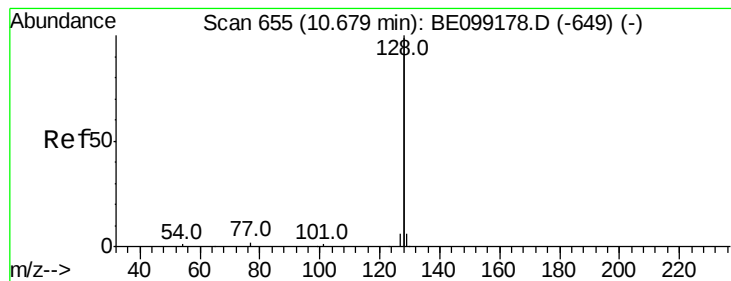
Delta R.T. -0.01 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Tgt Ion:	82	Resp:	3570
Ion Ratio	Lower	Upper	
82	100		
128	109.8	107.5	161.3
54	169.6	106.3	159.5#





#9

Naphthalene

Concen: 0.339 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.01 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Instrument :

BNA_E

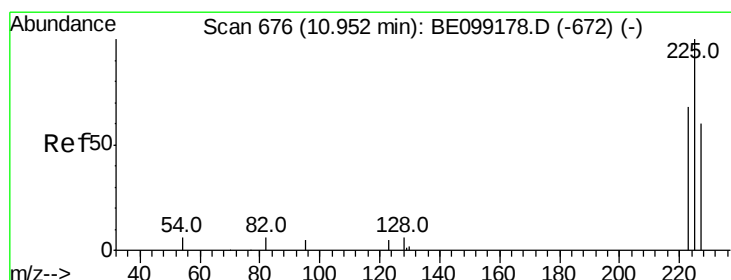
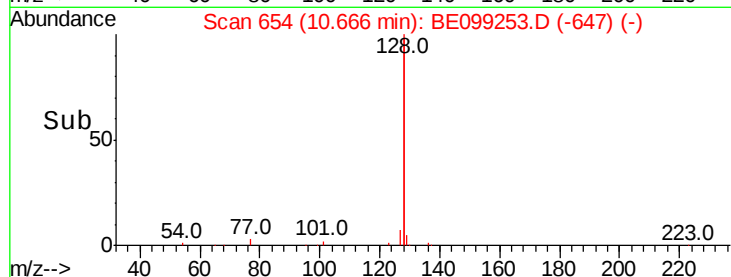
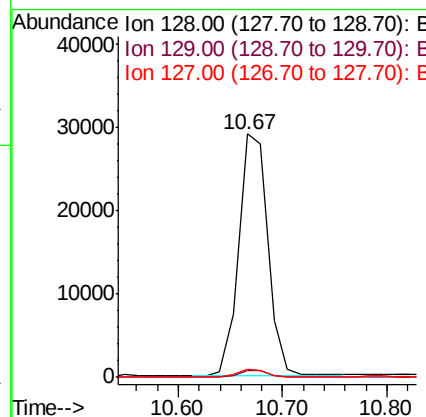
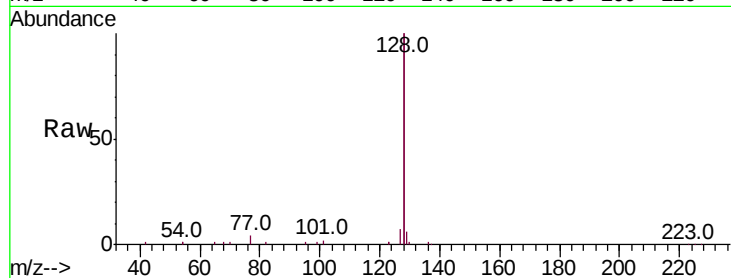
ClientSampleId :

EXT-028-SW009-032519MS

Tot Ion:	128	Resp:	55931
Ion Ratio	Lower	Upper	
128	100		
129	2.9	2.3	3.5
127	3.5	2.6	3.8

Manual Integrations
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#10

Hexachlorobutadiene

Concen: 0.343 ng

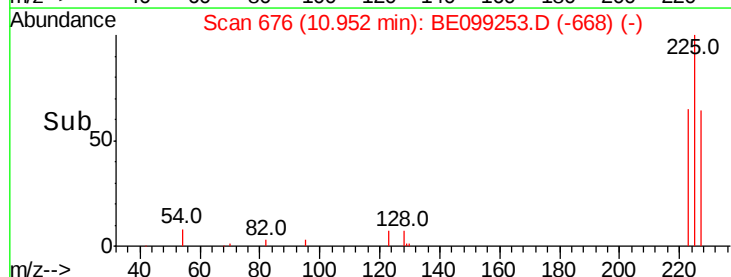
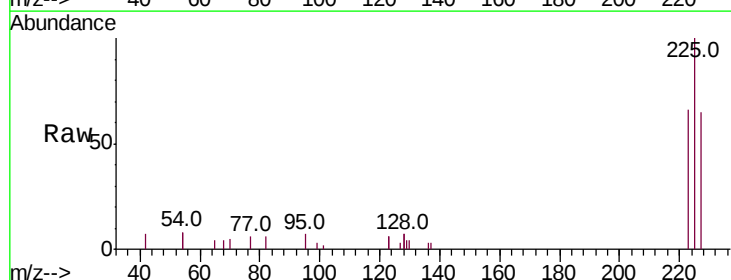
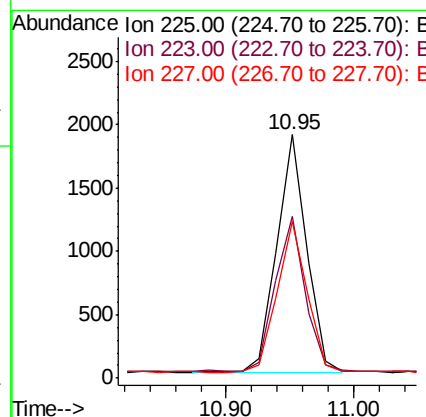
RT: 10.95 min Scan# 676

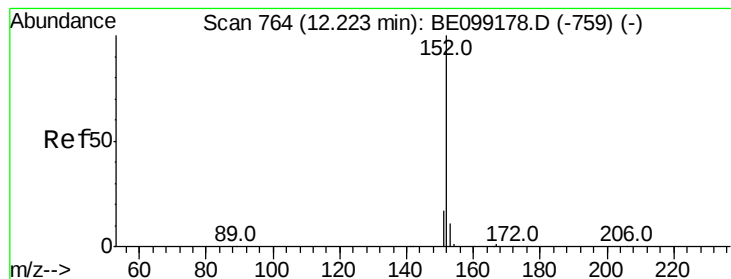
Delta R.T. -0.00 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Tgt Ion:	225	Resp:	3011
Ion Ratio	Lower	Upper	
225	100		
223	66.1	51.3	76.9
227	64.2	48.6	73.0





#11

2-Methylnaphthalene-d10

Concen: 0.306 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW009-032519MS

Tot Ion:152 Resp: 8238

Ion Ratio Lower Upper

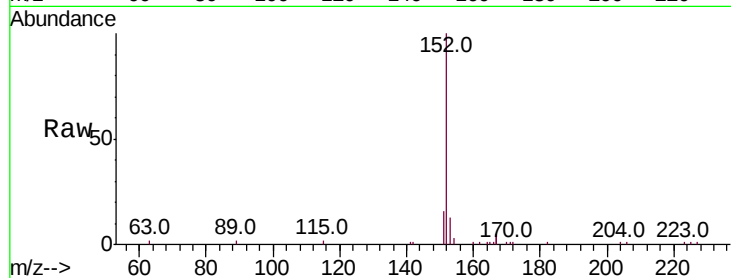
152 100

151 20.0 15.0 22.6

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

5000

4000

3000

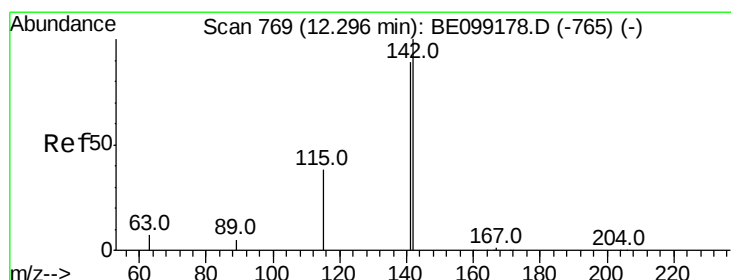
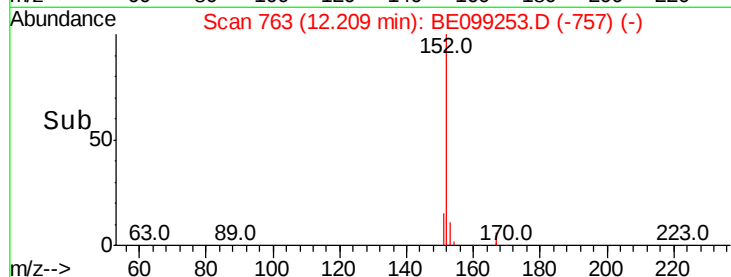
2000

1000

0

12.20 12.21 12.22 12.23 12.24 12.25 12.26 12.27 12.28 12.29 12.30 12.31 12.32 12.33 12.34 12.35 12.36 12.37 12.38 12.39 12.40

Time-->



#12

2-Methylnaphthalene

Concen: 0.328 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

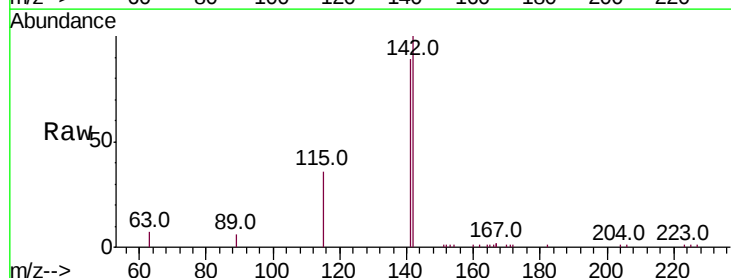
Tgt Ion:142 Resp: 9671

Ion Ratio Lower Upper

142 100

141 88.6 71.3 106.9

115 35.7 30.4 45.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

6000

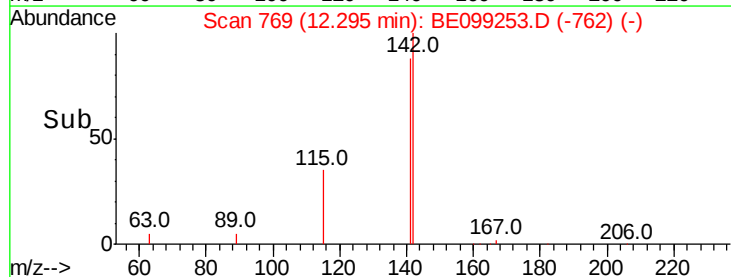
4000

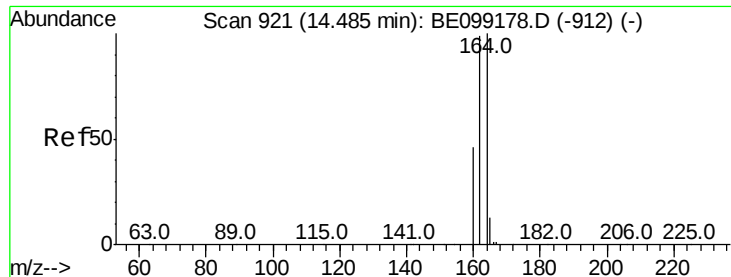
2000

0

12.20 12.21 12.22 12.23 12.24 12.25 12.26 12.27 12.28 12.29 12.30 12.31 12.32 12.33 12.34 12.35 12.36 12.37 12.38 12.39 12.40

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. -0.01 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Instrument :

BNA_E

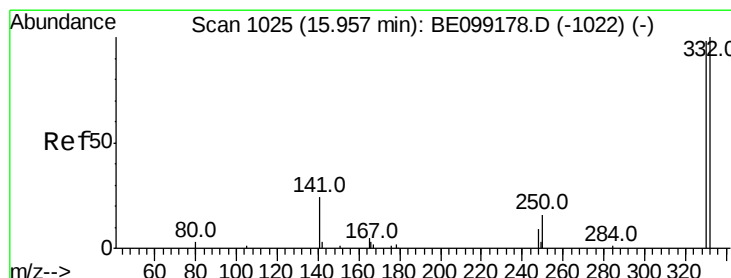
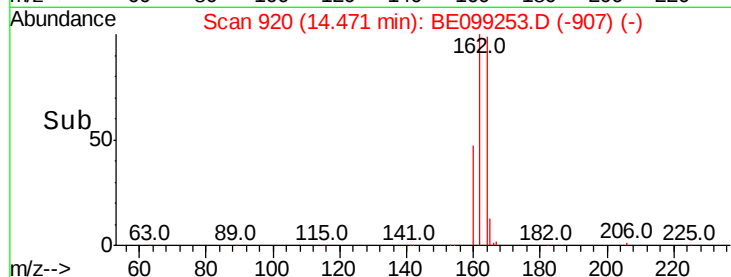
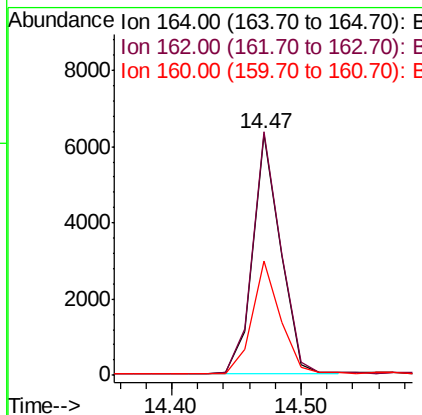
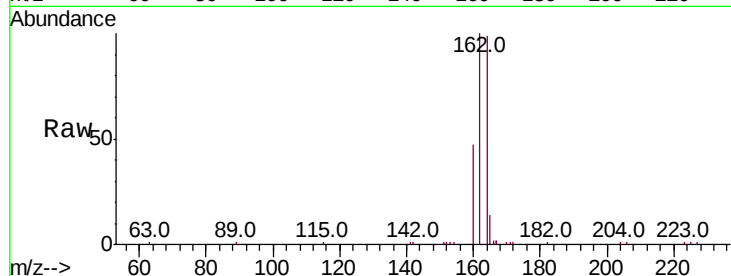
ClientSampleId :

EXT-028-SW009-032519MS

Tot Ion:	164	Resp:	9276
Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.2	118.8
160	47.5	36.7	55.1

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#14

2,4,6-Tribromophenol

Concen: 0.482 ng

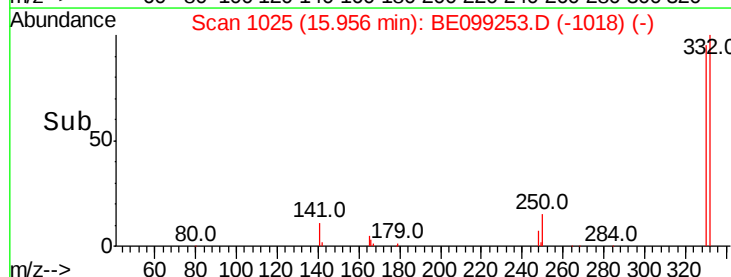
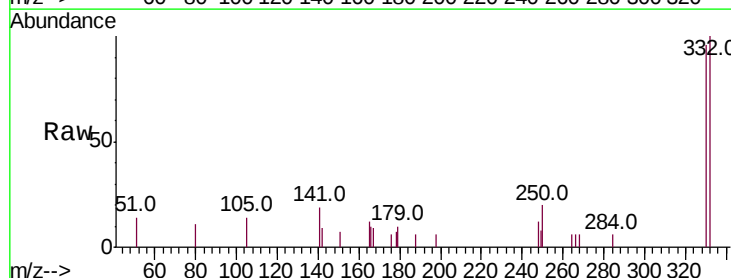
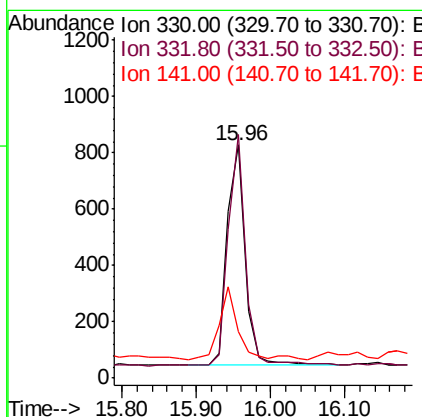
RT: 15.96 min Scan# 1025

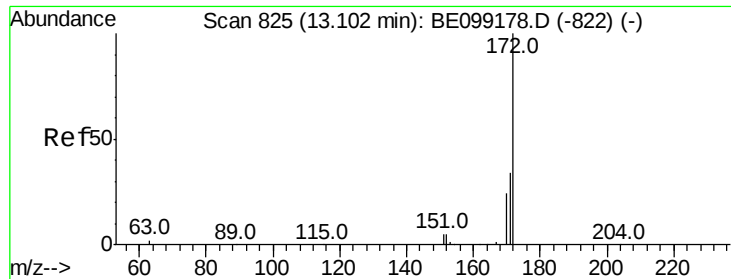
Delta R.T. 0.00 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Tgt Ion:	330	Resp:	1339
Ion	Ratio	Lower	Upper
330	100		
332	99.0	71.3	106.9
141	32.6	21.7	32.5#





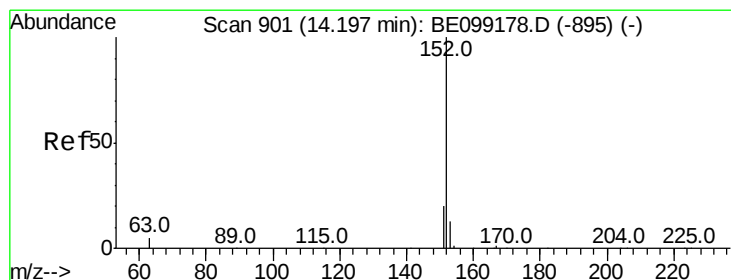
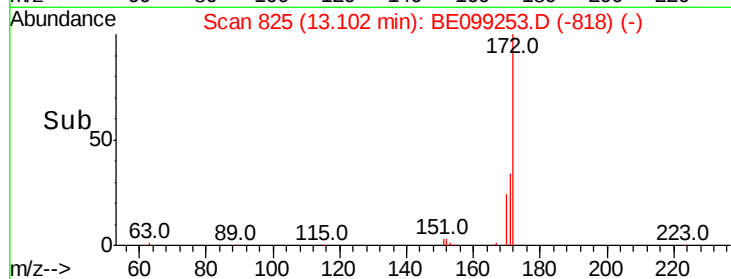
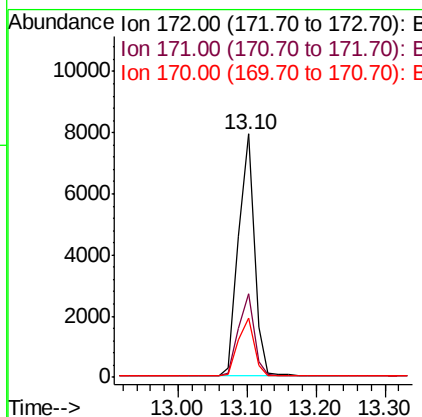
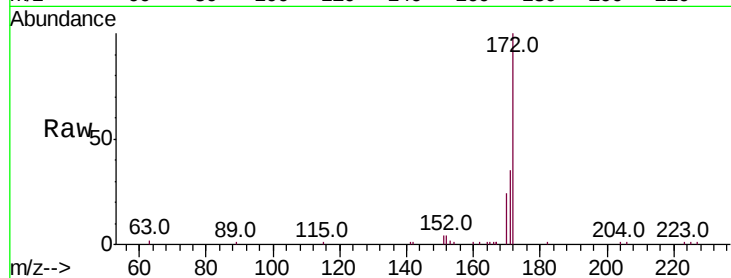
#15
2-Fluorobiphenyl
Concen: 0.334 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099253.D
Acq: 29 Mar 2019 13:58

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW009-032519MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.0
170	24.2	19.1	28.7

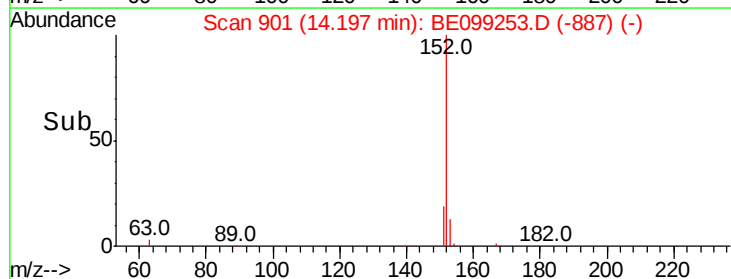
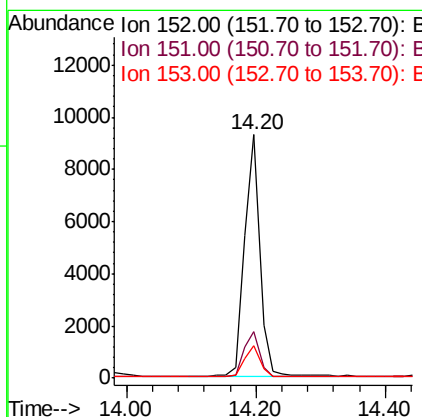
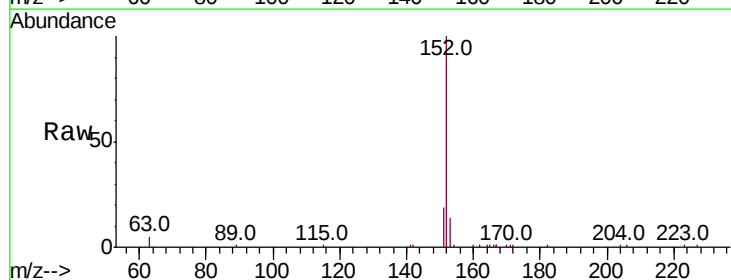
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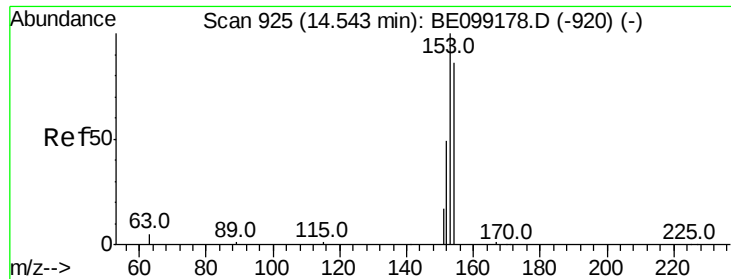
Sohil
4/10/2019 1:24:40 AM



#16
Acenaphthylene
Concen: 0.325 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE099253.D
Acq: 29 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.0	10.6	15.8





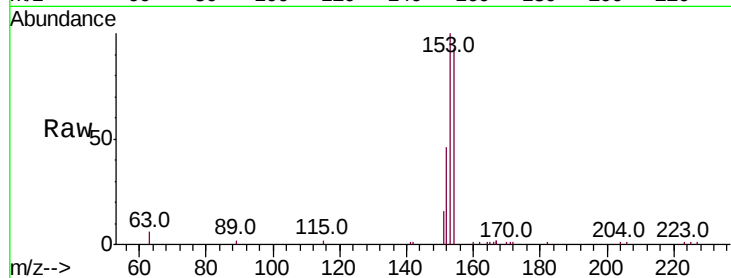
#17
Acenaphthene
Concen: 0.344 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099253.D
Acq: 29 Mar 2019 13:58

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW009-032519MS

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.9	93.4	140.0
152	54.0	46.6	69.8

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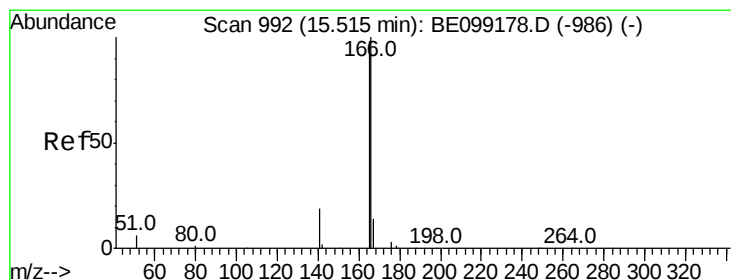
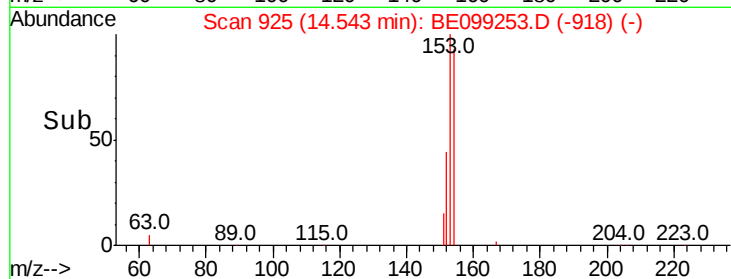
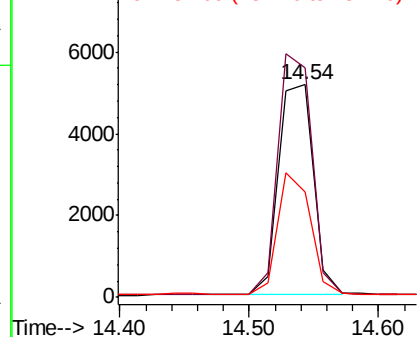


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.360 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.01 min
Lab File: BE099253.D
Acq: 29 Mar 2019 13:58

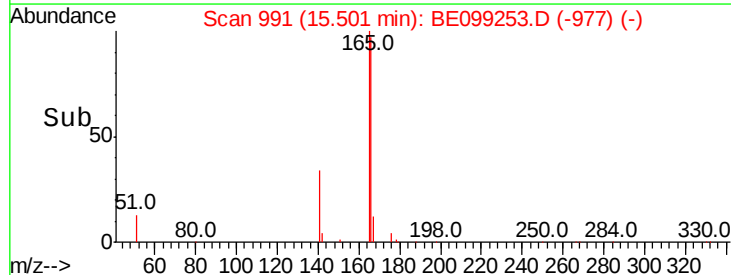
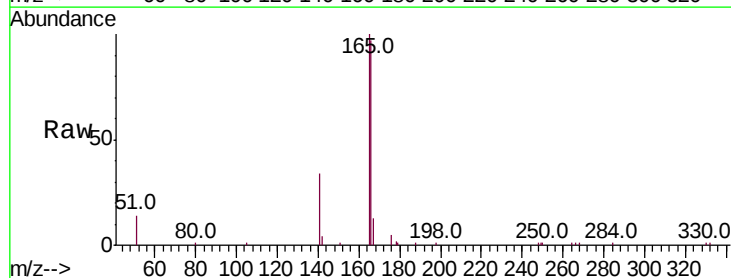
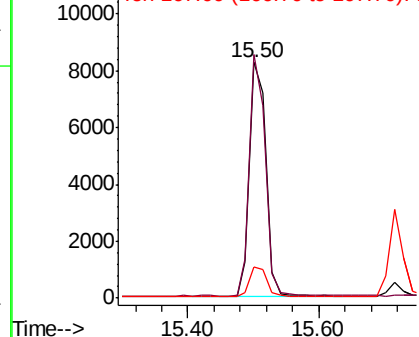
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.9	118.3
167	13.0	10.9	16.3

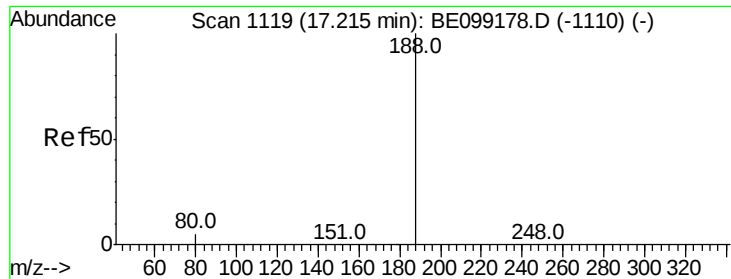
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





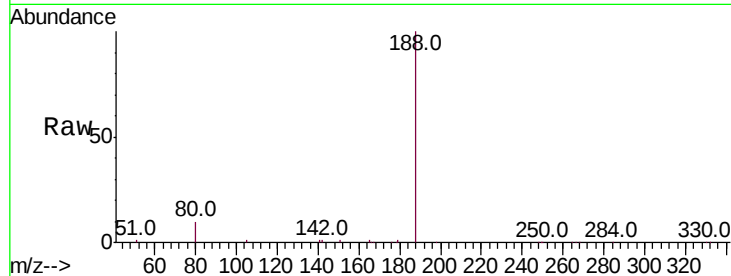
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BE099253.D
Acq: 29 Mar 2019 13:58

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW009-032519MS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.4	4.5	6.7#

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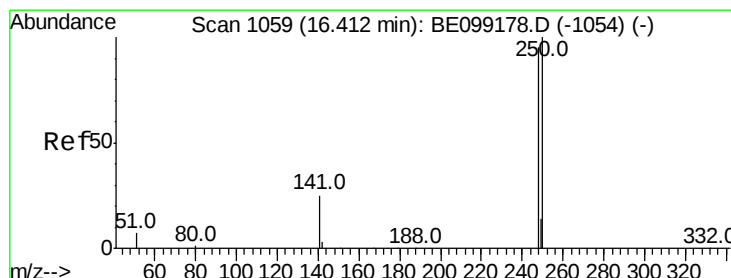
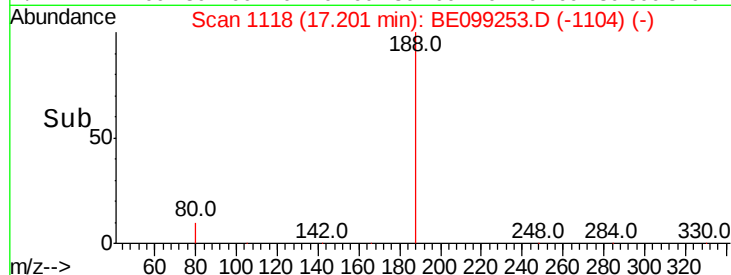
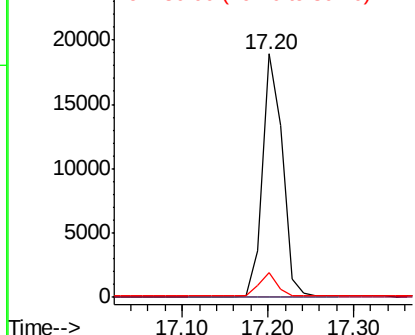


Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20
4-Bromophenyl-phenylether
Concen: 0.300 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BE099253.D
Acq: 29 Mar 2019 13:58

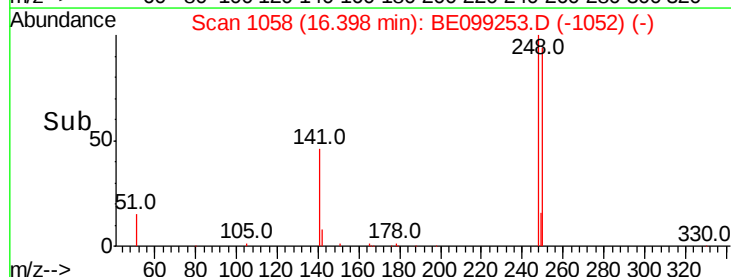
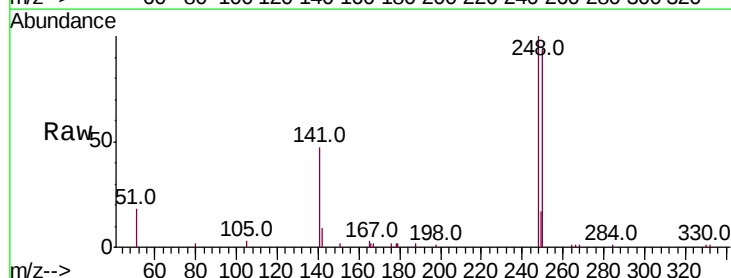
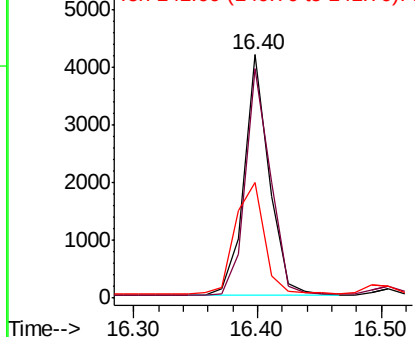
Tgt Ion	Ratio	Resp Lower	Upper
248	100		
250	94.3	84.2	126.2
141	47.4	21.8	32.6#

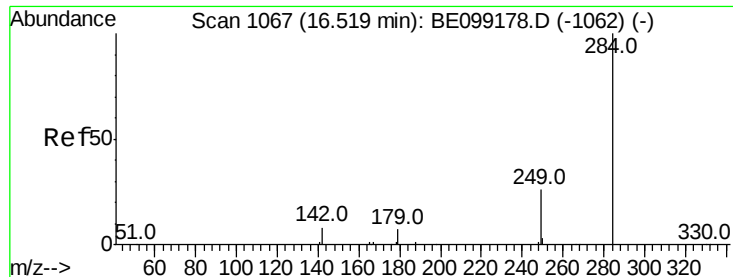
Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.278 ng

RT: 16.51 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Instrument :

BNA_E

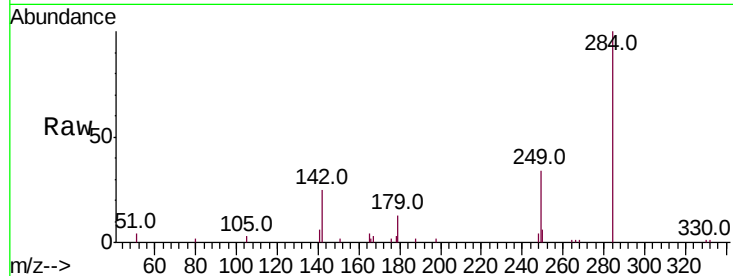
ClientSampleId :

EXT-028-SW009-032519MS

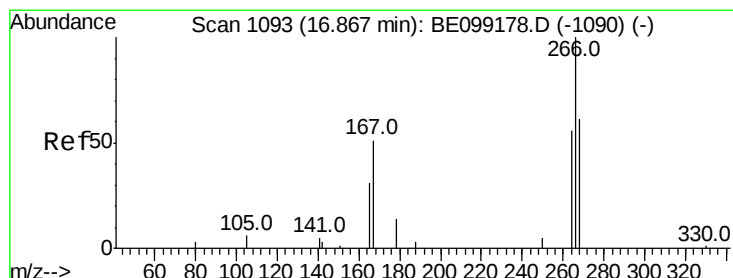
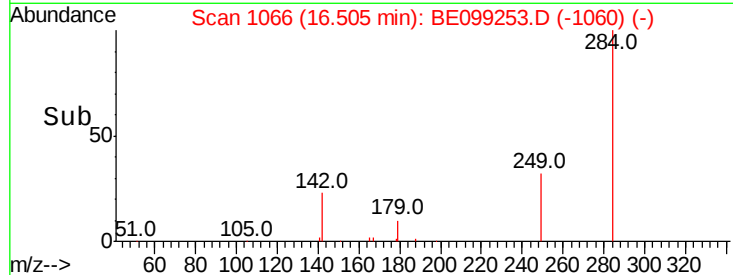
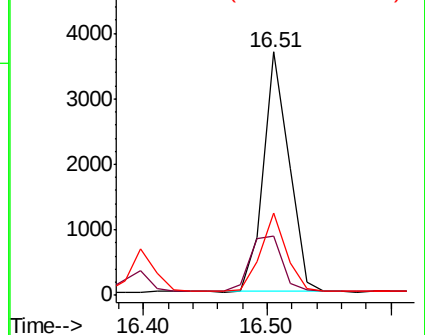
Tot Ion:	284	Resp:	5254
Ion Ratio	Lower	Upper	
284	100		
142	29.1	22.7	34.1
249	32.9	26.9	40.3

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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 1.092 ng

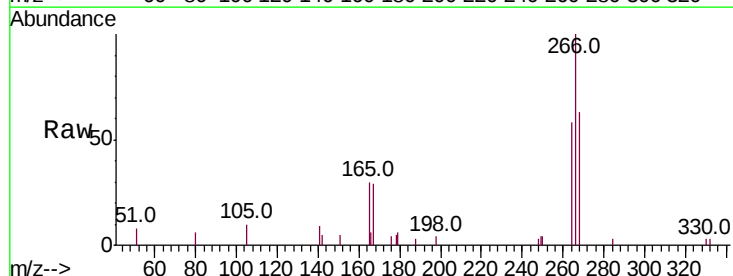
RT: 16.85 min Scan# 1092

Delta R.T. -0.01 min

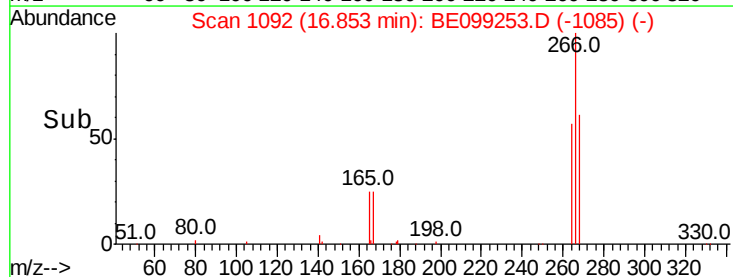
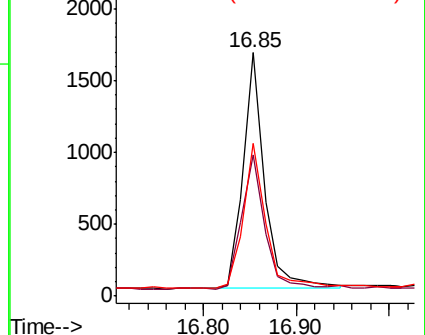
Lab File: BE099253.D

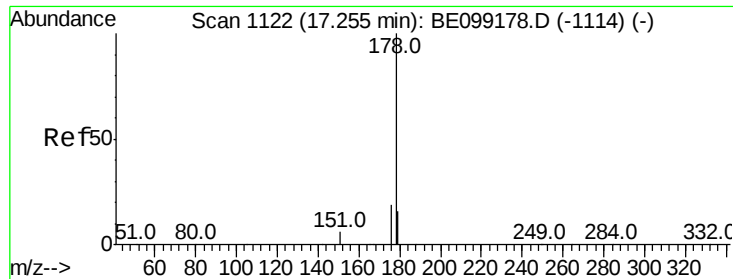
Acq: 29 Mar 2019 13:58

Tgt Ion:	266	Resp:	2625
Ion Ratio	Lower	Upper	
266	100		
264	58.2	54.4	81.6
268	62.7	61.3	91.9



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





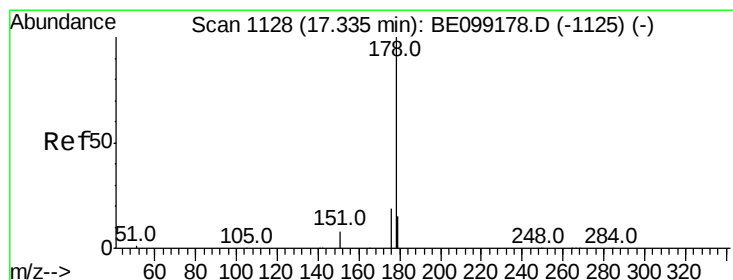
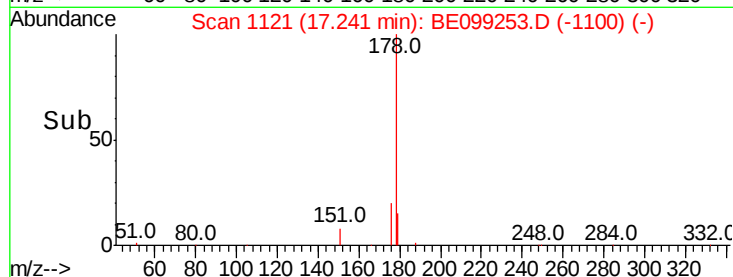
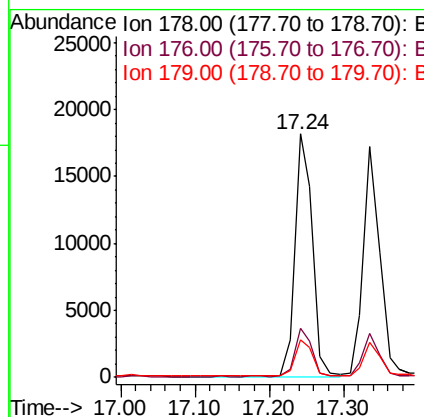
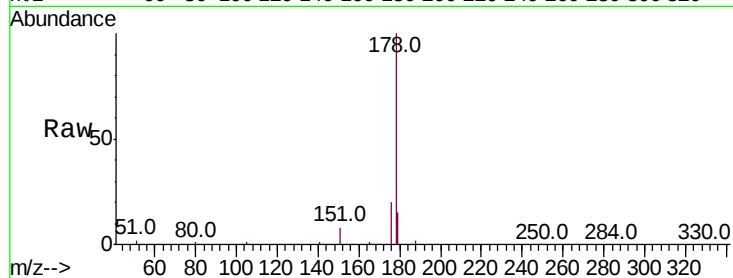
#23
Phenanthrene
Concen: 0.334 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BE099253.D
Acq: 29 Mar 2019 13:58

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW009-032519MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.1	12.3	18.5

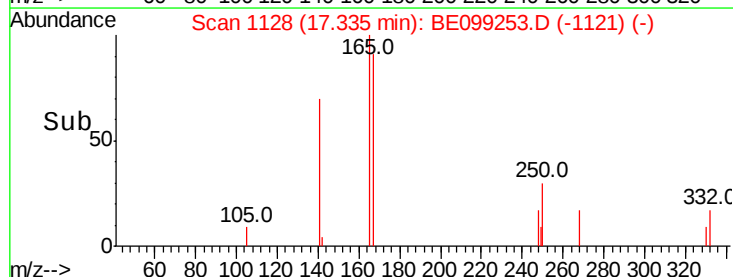
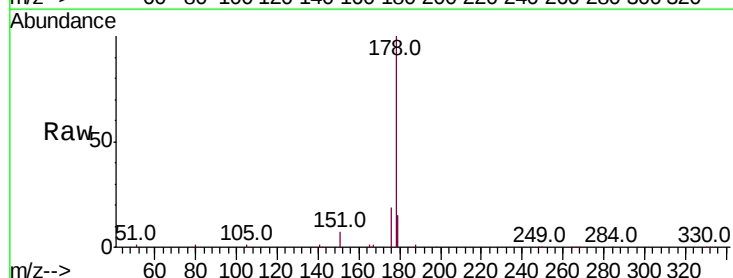
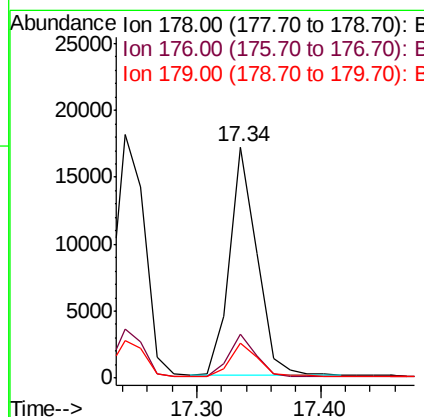
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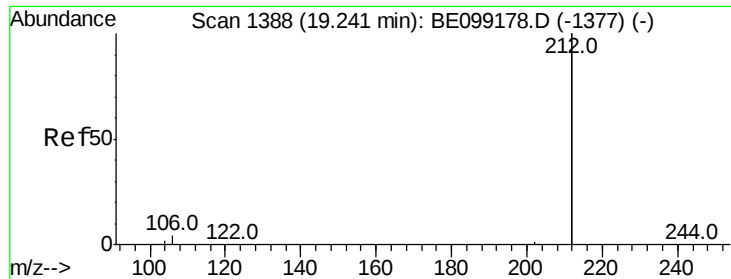
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#24
Anthracene
Concen: 0.325 ng
RT: 17.34 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BE099253.D
Acq: 29 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	14.8	12.4	18.6





#25

Fluoranthene-d10

Concen: 0.371 ng

RT: 19.23 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Instrument :

BNA_E

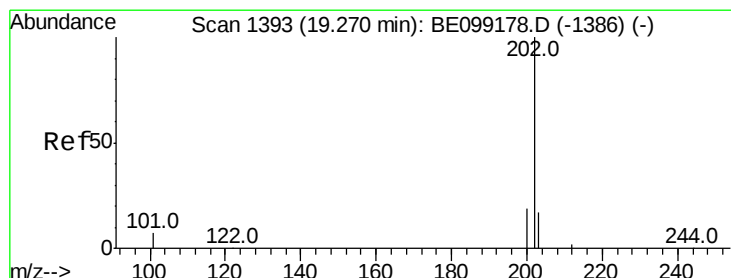
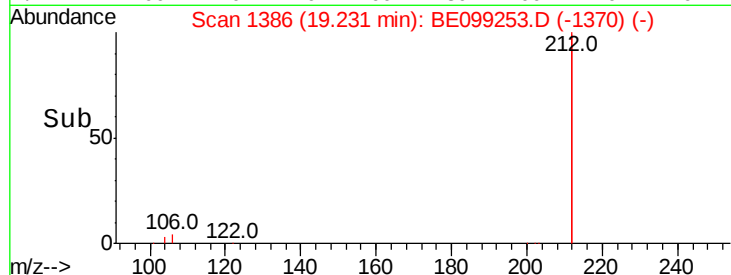
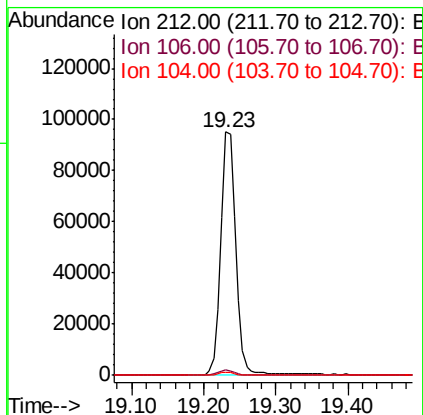
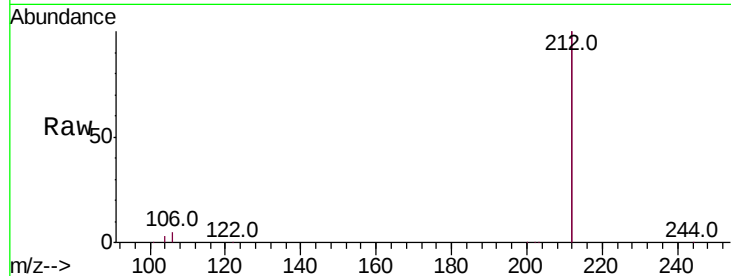
ClientSampleId :

EXT-028-SW009-032519MS

Tot Ion:	212	Resp:	136352
Ion Ratio	Lower	Upper	
212	100		
106	2.2	1.8	2.8
104	1.3	1.1	1.7

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#26

Fluoranthene

Concen: 0.398 ng

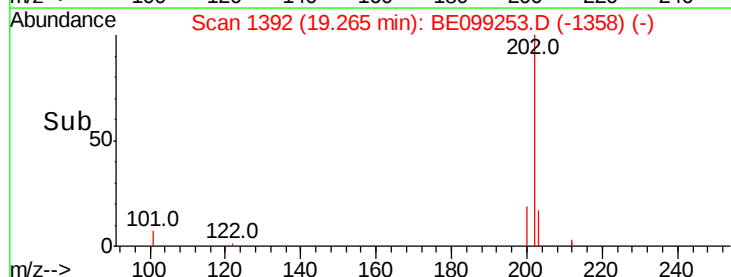
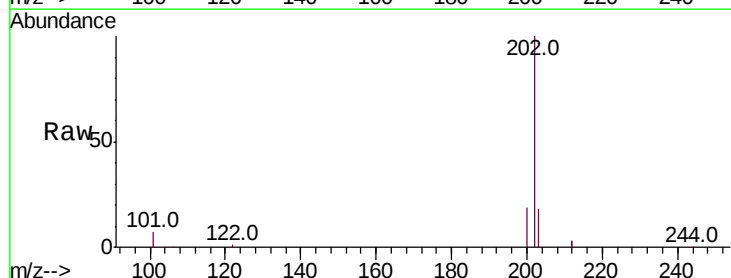
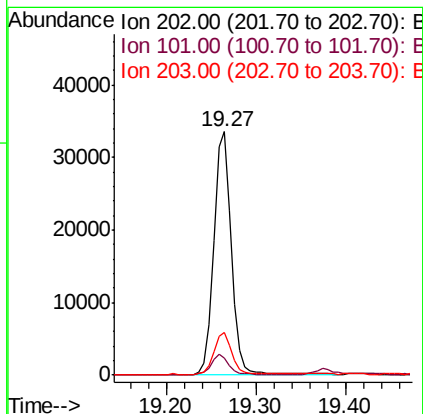
RT: 19.27 min Scan# 1392

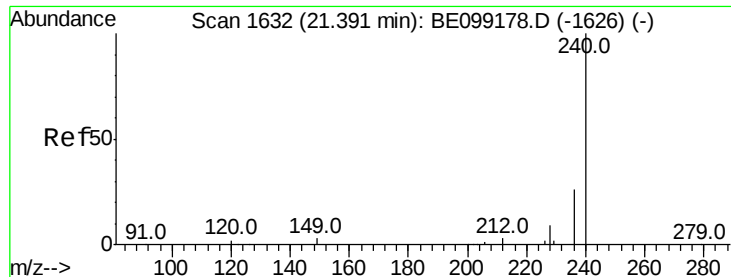
Delta R.T. -0.00 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Tgt Ion:	202	Resp:	45296
Ion Ratio	Lower	Upper	
202	100		
101	8.2	7.0	10.4
203	17.1	13.8	20.6





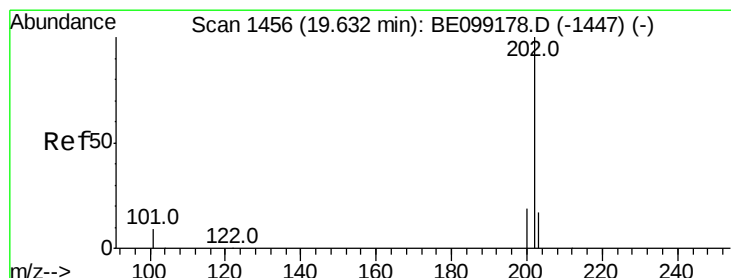
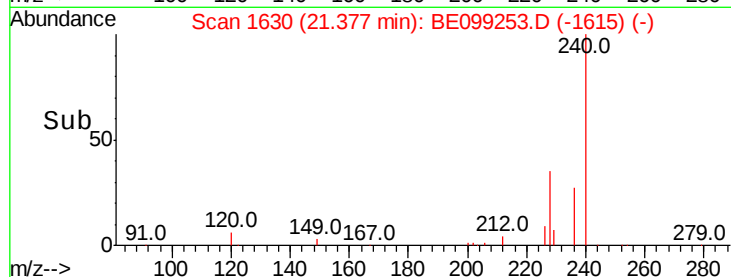
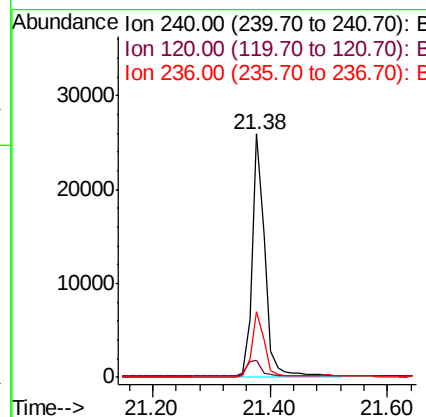
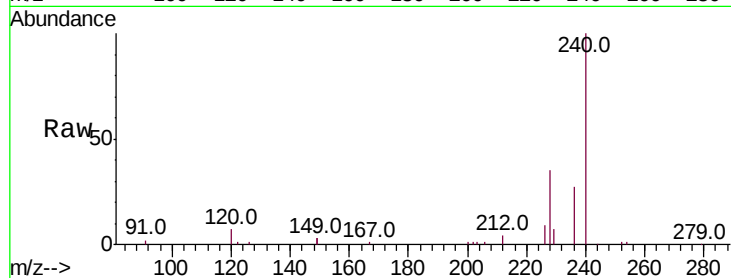
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1630
Delta R.T. -0.01 min
Lab File: BE099253.D
Acq: 29 Mar 2019 13:58

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW009-032519MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.9	2.6	3.8#
236	27.1	20.9	31.3

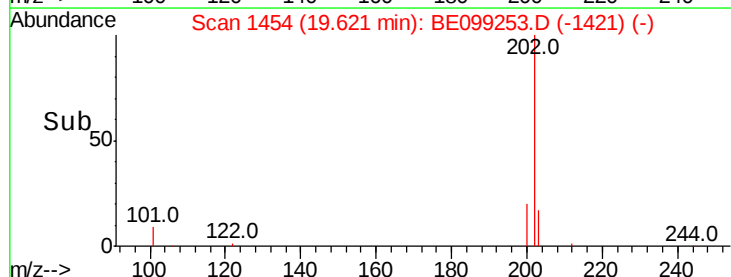
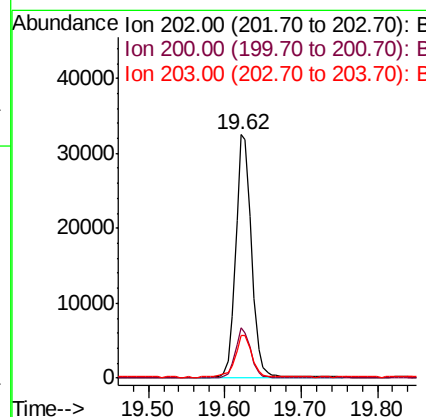
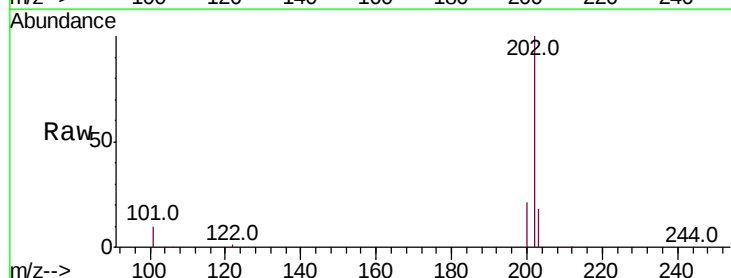
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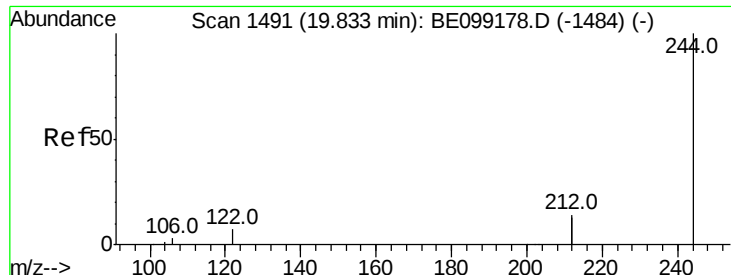
Sohil
4/10/2019 1:24:40 AM



#28
Pyrene
Concen: 0.365 ng
RT: 19.62 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BE099253.D
Acq: 29 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.8	23.8
203	18.2	14.1	21.1





#29

Terphenyl-d14

Concen: 0.280 ng

RT: 19.83 min Scan# 1490

Delta R.T. -0.00 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Instrument :

BNA_E

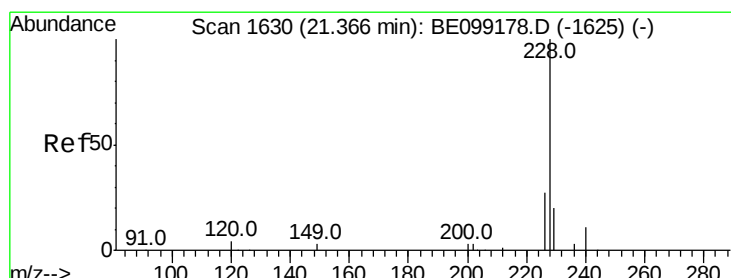
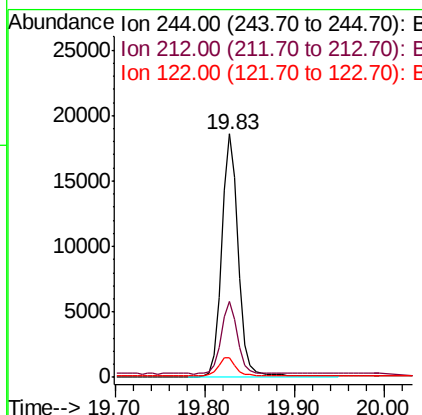
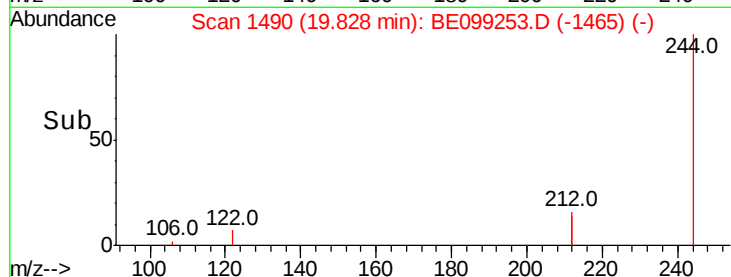
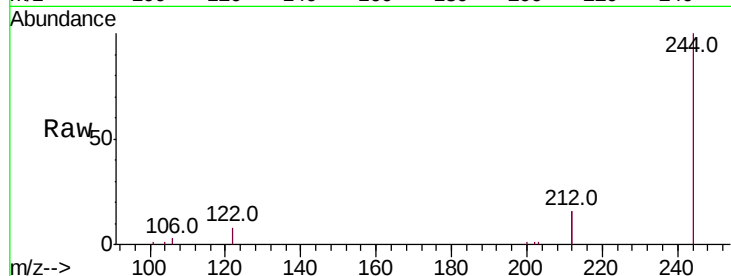
ClientSampleId :

EXT-028-SW009-032519MS

Tot Ion	Ratio	Lower	Upper
244	100		
212	31.1	22.7	34.1
122	7.8	5.8	8.6

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#30

Benzo(a)anthracene

Concen: 0.339 ng

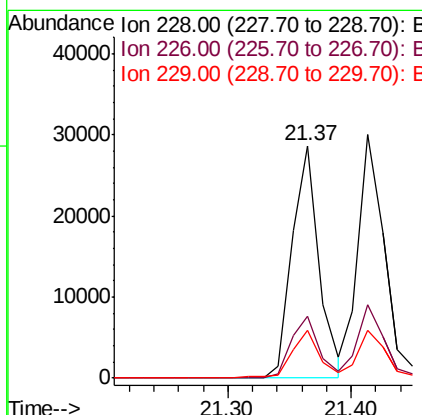
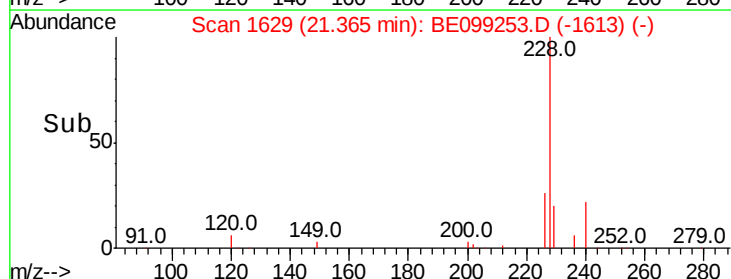
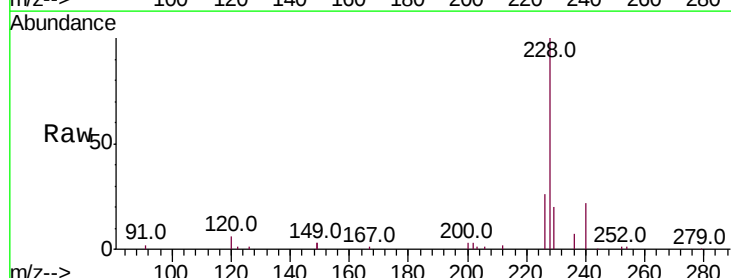
RT: 21.37 min Scan# 1629

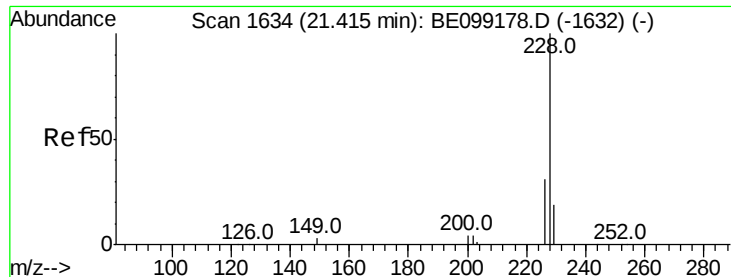
Delta R.T. -0.00 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.7	32.5
229	20.4	15.9	23.9





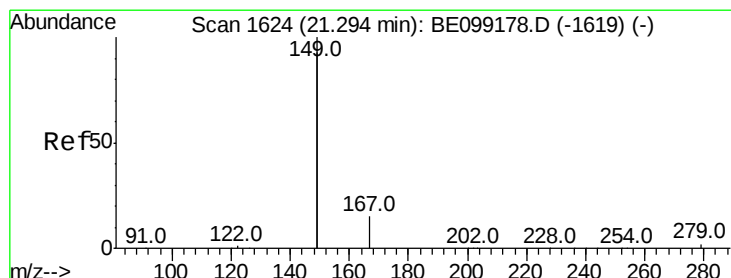
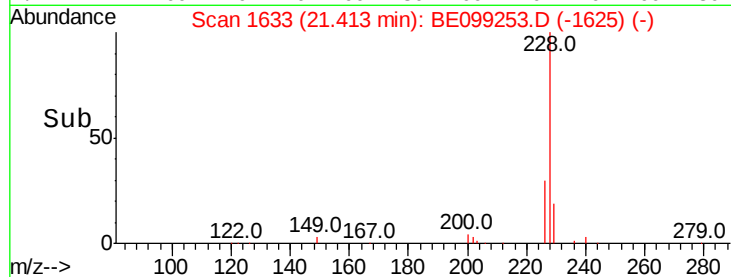
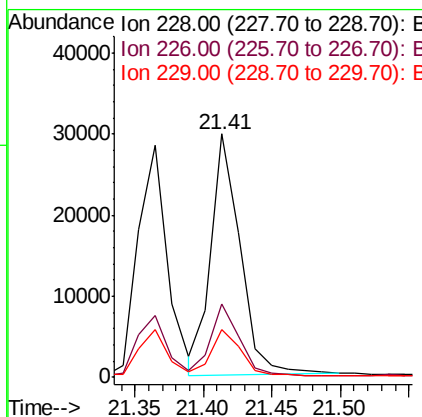
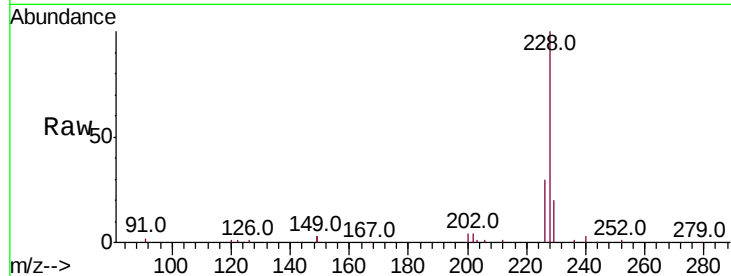
#31
 Chrysene
 Concen: 0.321 ng
 RT: 21.41 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: BE099253.D
 Acq: 29 Mar 2019 13:58

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW009-032519MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.8	37.2
229	19.8	15.4	23.0

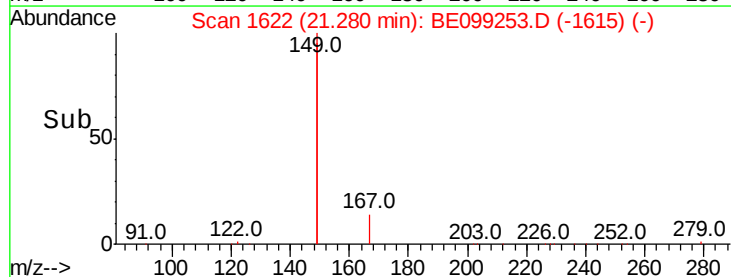
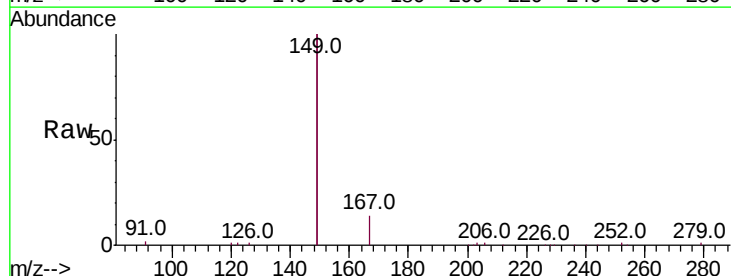
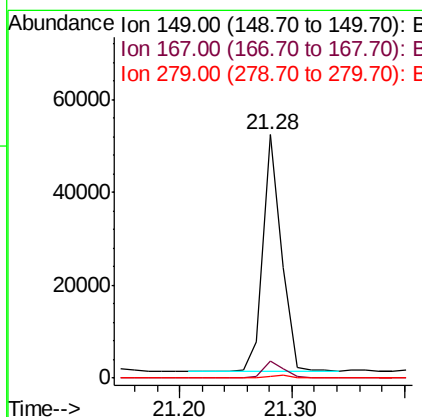
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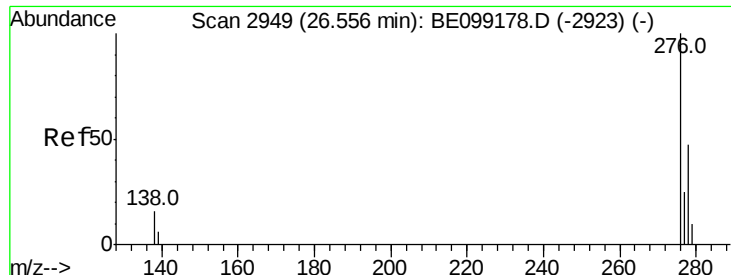
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.391 ng
 RT: 21.28 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BE099253.D
 Acq: 29 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.9	8.9
279	1.3	1.0	1.6





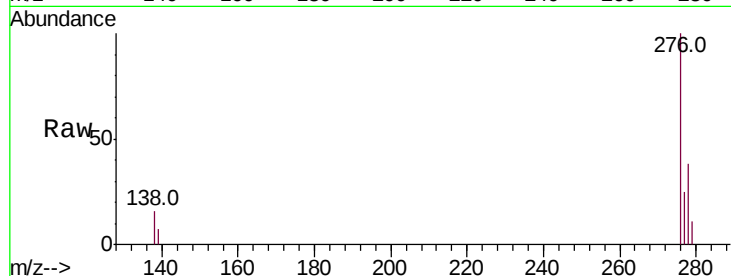
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.245 ng
 RT: 26.54 min Scan# 2944
 Delta R.T. -0.02 min
 Lab File: BE099253.D
 Acq: 29 Mar 2019 13:58

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW009-032519MS

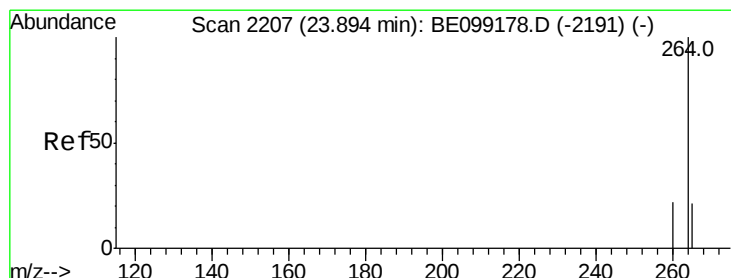
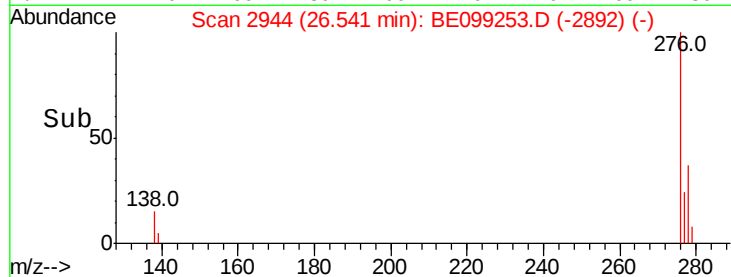
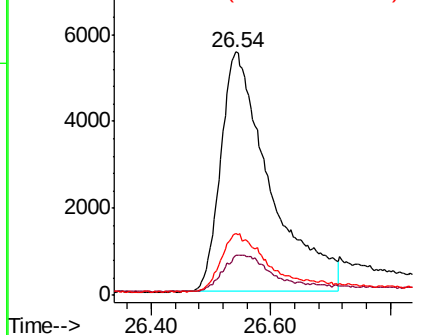
Tot Ion	Ratio	Lower	Upper
276	100		
138	13.5	12.9	19.3
277	22.2	18.3	27.5

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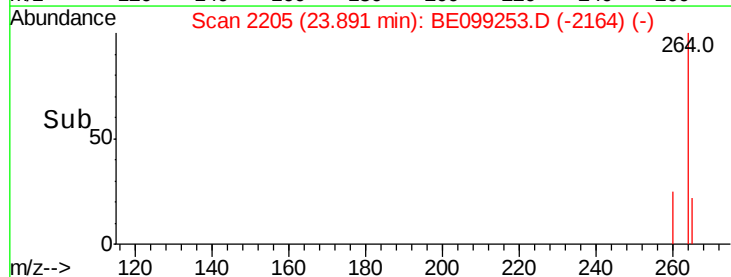
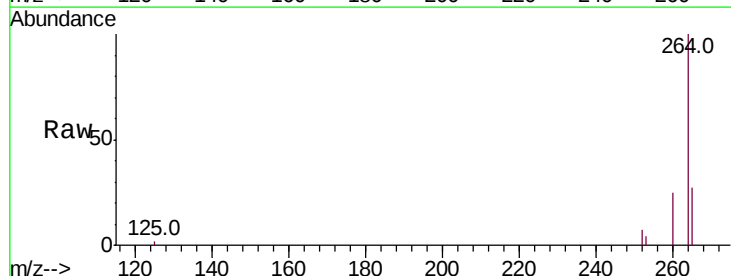
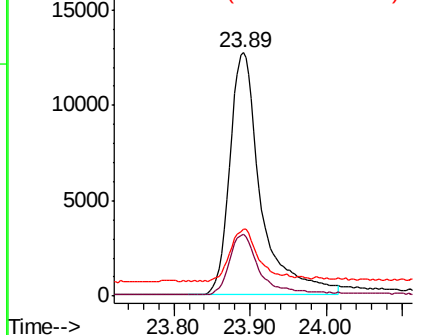
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

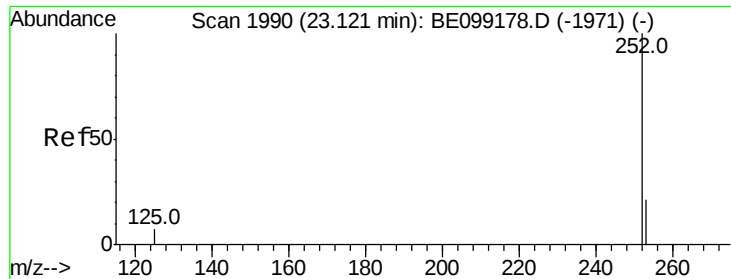


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: BE099253.D
 Acq: 29 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	18.2	27.2
265	27.3	21.8	32.8

Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.314 ng m

RT: 23.11 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW009-032519MS

Tot Ion:252 Resp: 37338

Ion Ratio Lower Upper

252 100

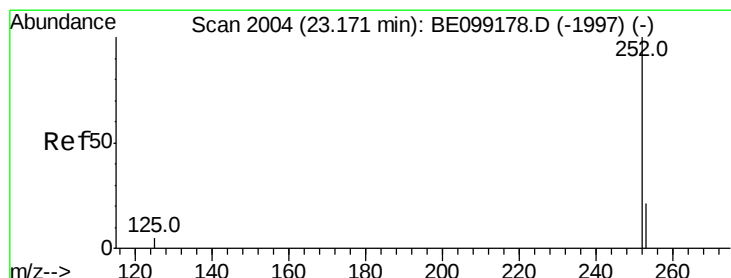
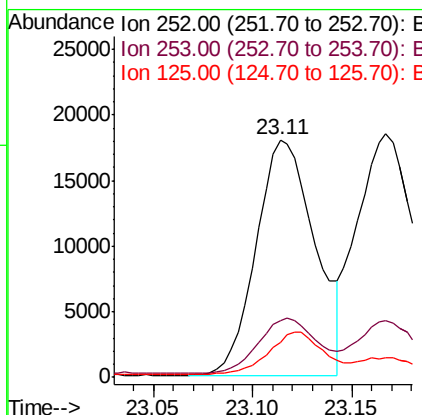
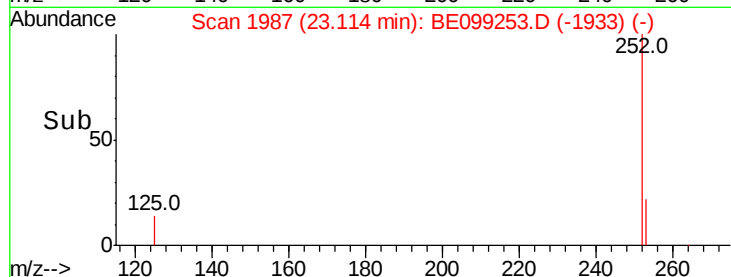
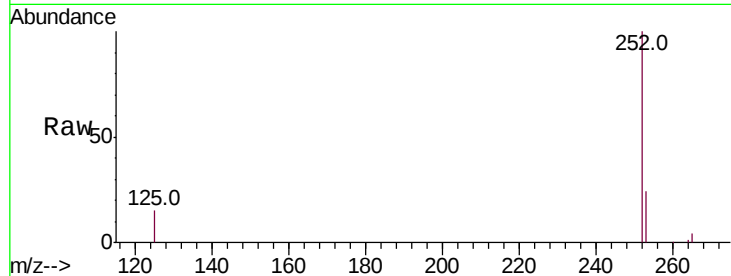
253 23.9 17.8 26.8

125 14.7 6.1 9.1#

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#36

Benzo(k)fluoranthene

Concen: 0.334 ng

RT: 23.17 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BE099253.D

Acq: 29 Mar 2019 13:58

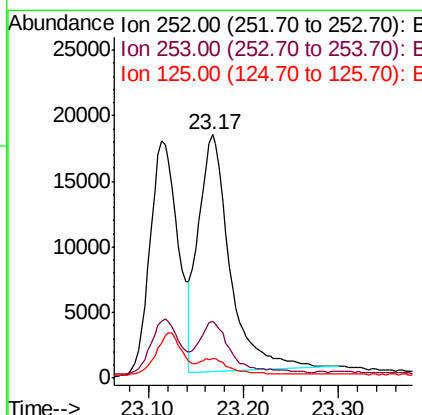
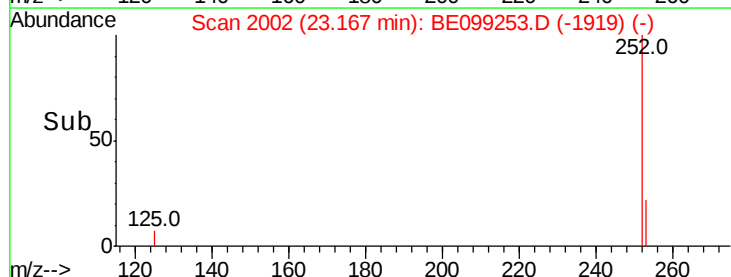
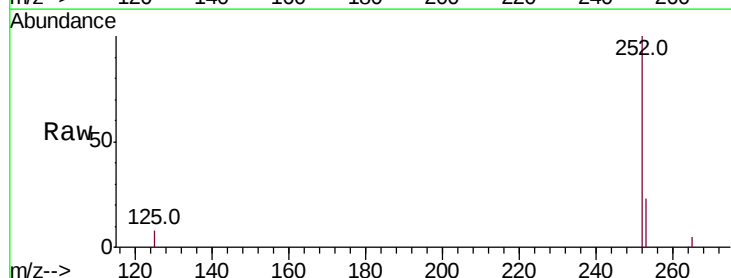
Tgt Ion:252 Resp: 41937

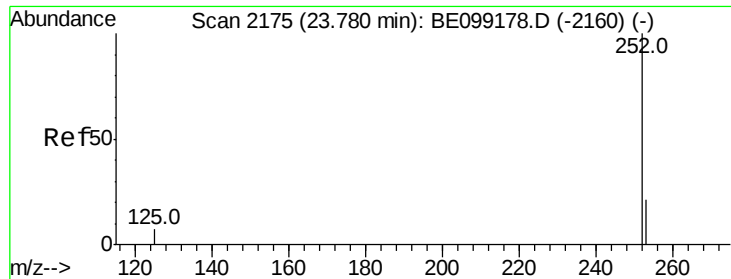
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 8.1 5.9 8.9





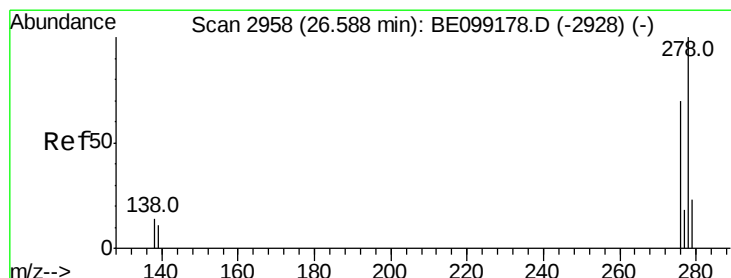
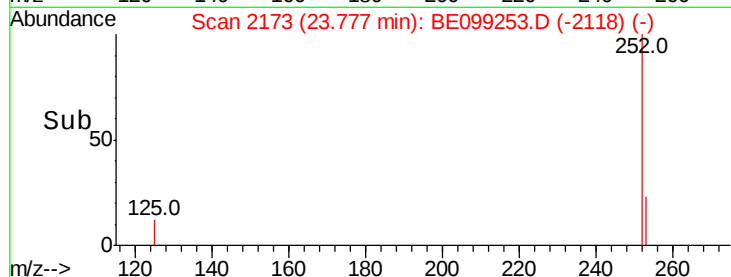
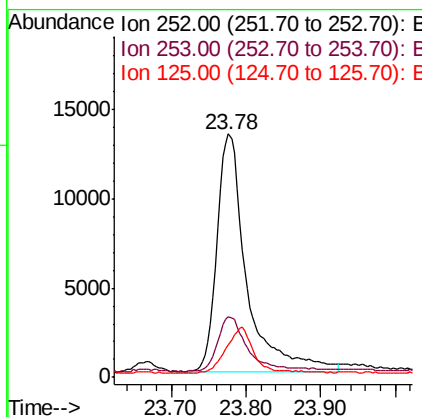
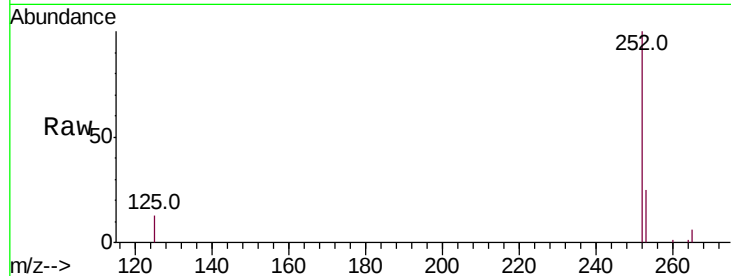
#37
Benzo(a)pyrene
Concen: 0.333 ng
RT: 23.78 min Scan# 2173
Delta R.T. -0.00 min
Lab File: BE099253.D
Acq: 29 Mar 2019 13:58

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW009-032519MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.1	27.1
125	13.4	6.8	10.2

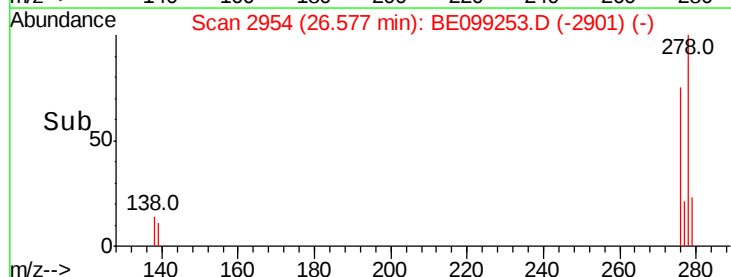
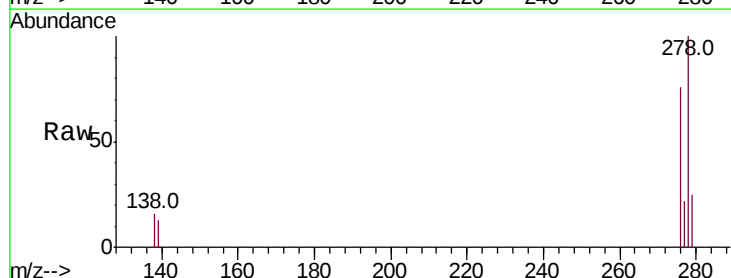
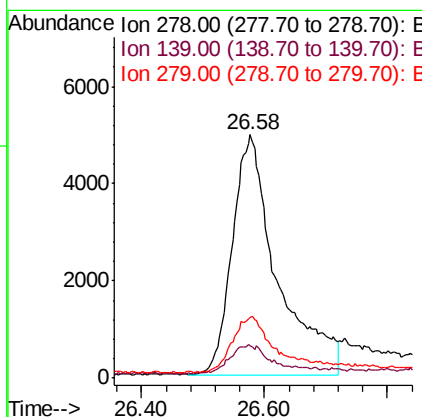
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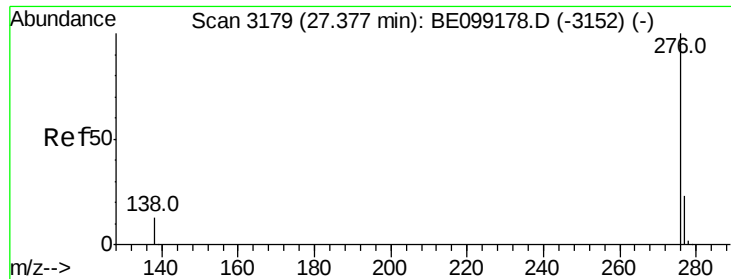
Sohil
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#38
Dibenzo(a,h)anthracene
Concen: 0.254 ng
RT: 26.58 min Scan# 2954
Delta R.T. -0.01 min
Lab File: BE099253.D
Acq: 29 Mar 2019 13:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.2	9.5	14.3
279	25.1	19.1	28.7





#39

Benzo(a,h,i)perylene

Concen: 0.258 ng

RT: 27.36 min Scan# 3174

Delta R.T. -0.02 min

Lab File: BE099253.D

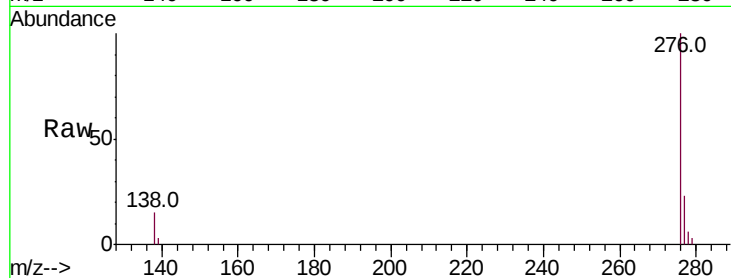
Acq: 29 Mar 2019 13:58

Instrument :

BNA_E

ClientSampleId :

EXT-028-SW009-032519MS



Tot Ion:	276	Resp:	25445
Ion Ratio	Lower	Upper	
276	100		
277	23.0	19.0	28.4
138	15.4	11.1	16.7

Manual Integrations
APPROVED

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4/10/2019 1:24:40 AM

