

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099400.D
 Acq On : 27 Apr 2019 4:56
 Operator : JU/SJ
 Sample : K2533-14
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW001-042219

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:32:15 PM

Quant Time: Apr 29 01:37:22 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Apr 19 06:51:38 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3664	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	15129	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	11151	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	29379	0.40	ng	0.01
27) Chrysene-d12	21.37	240	32733	0.40	ng	0.00
34) Perylene-d12	23.88	264	36783	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	3919	0.44	ng	0.01
5) Phenol-d6	6.98	99	5749	0.45	ng	0.00
8) Nitrobenzene-d5	8.98	82	5284	0.45	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	9569	0.36	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2420	0.65	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	13933	0.32	ng	0.00
25) Fluoranthene-d10	19.22	212	107584	0.30	ng	0.00
29) Terphenyl-d14	19.82	244	17654	0.27	ng	0.00

Target Compounds

						Qvalue
18) Fluorene	15.50	166	904	0.020	ng	# 93
23) Phenanthrene	17.24	178	63109	0.811	ng	100
24) Anthracene	17.32	178	11198	0.162	ng	99
26) Fluoranthene	19.25	202	255058	2.449	ng	98
28) Pyrene	19.61	202	213141	2.210	ng	# 93
30) Benzo(a)anthracene	21.35	228	148655	1.545	ng	99
31) Chrysene	21.40	228	143136	1.398	ng	96
32) Bis(2-ethylhexyl)phthalate	21.27	149	55857	0.638	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.52	276	56805	0.562	ng	# 91
35) Benzo(b)fluoranthene	23.11	252	169735	1.507	ng	96
36) Benzo(k)fluoranthene	23.15	252	66723m	0.594	ng	
37) Benzo(a)pyrene	23.76	252	110327	1.094	ng	98
38) Dibenzo(a,h)anthracene	26.54	278	14623	0.142	ng	# 81
39) Benzo(g,h,i)perylene	27.34	276	50245	0.481	ng	96

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

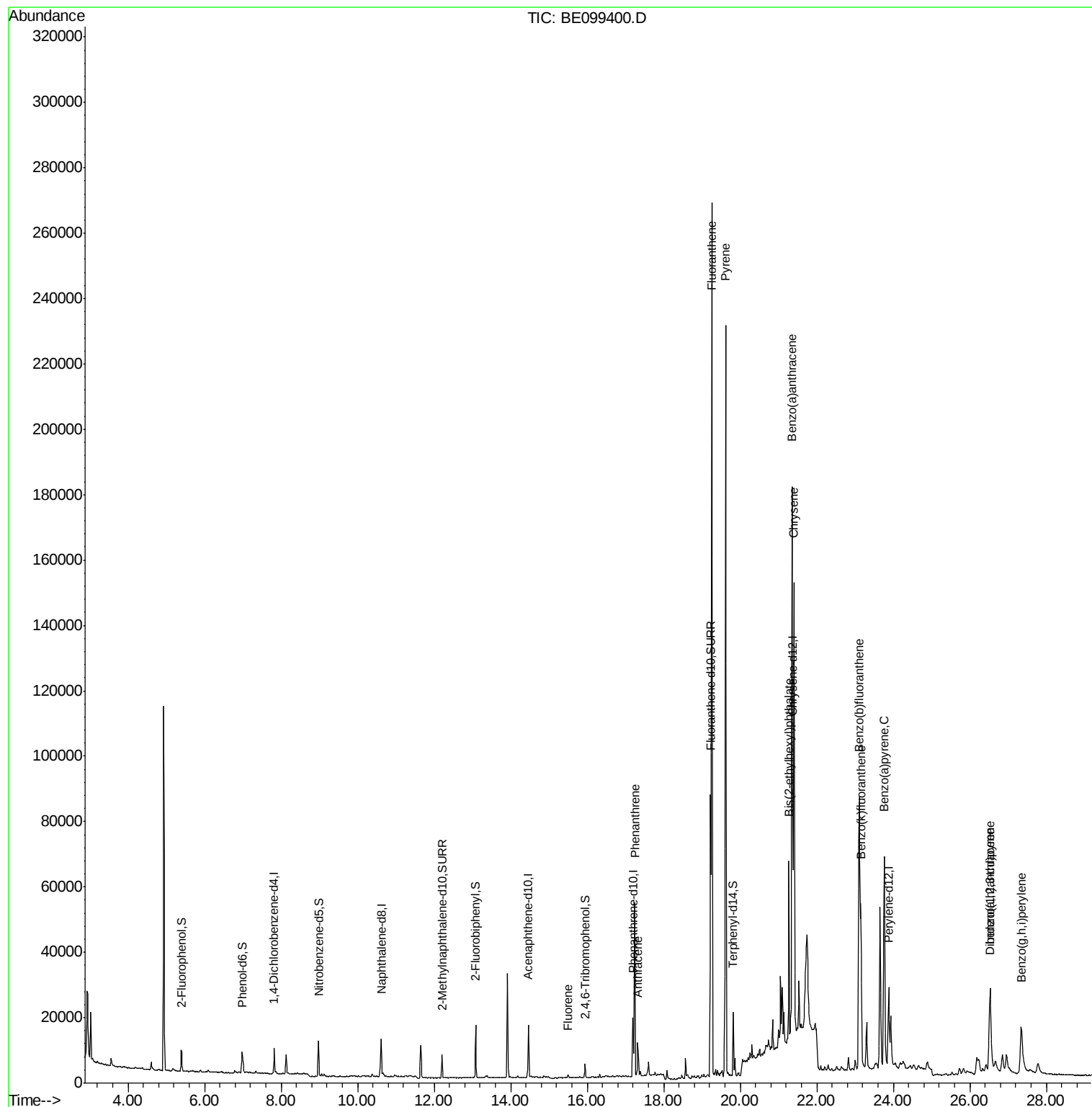
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ALS Vial : 30 Sample Multiplier: 1

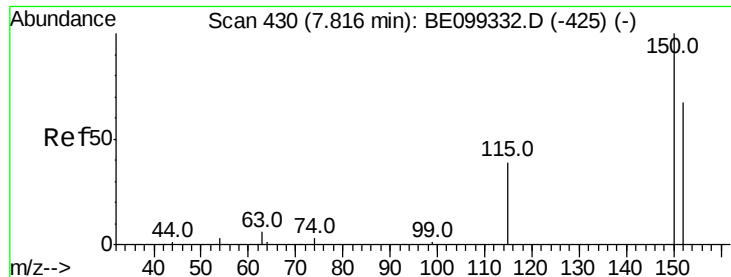
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099400.D

Acq: 27 Apr 2019 4:56

Instrument :

BNA_E

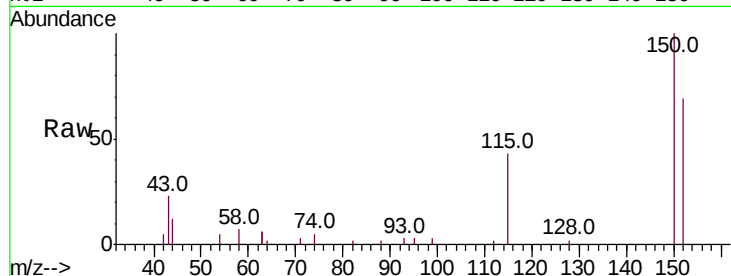
ClientSampleId :

EXT-028-SW001-042219

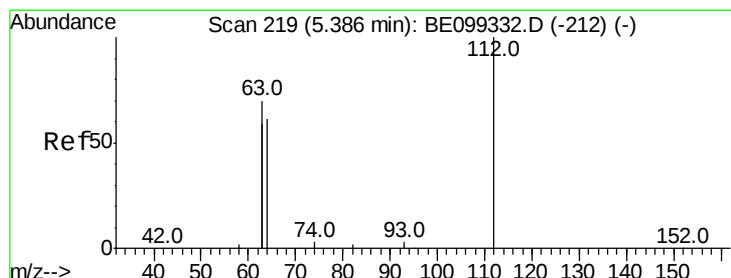
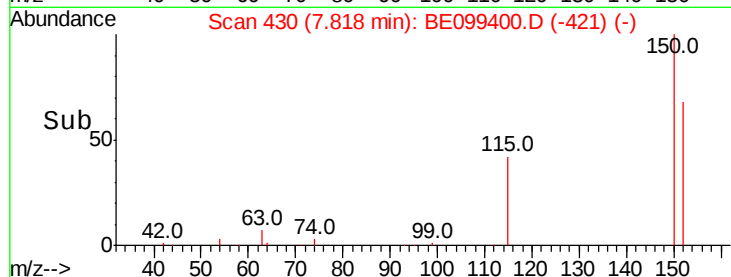
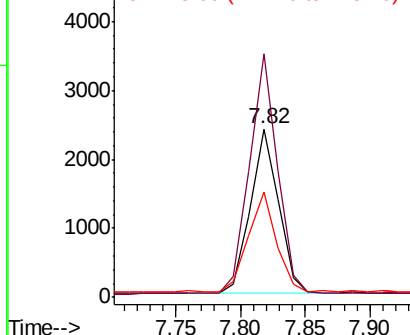
Tot Ion:	152	Resp:	3664
Ion	Ratio	Lower	Upper
152	100		
150	144.5	119.5	179.3
115	62.8	47.5	71.3

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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



#4

2-Fluorophenol

Concen: 0.438 ng

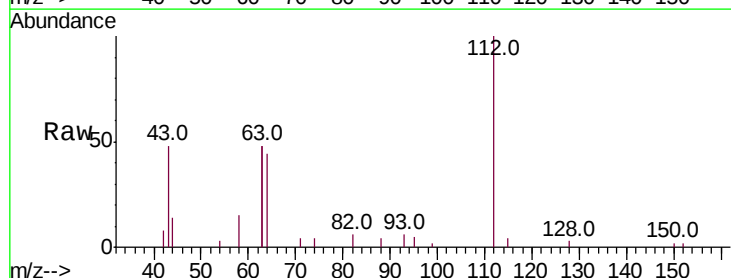
RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

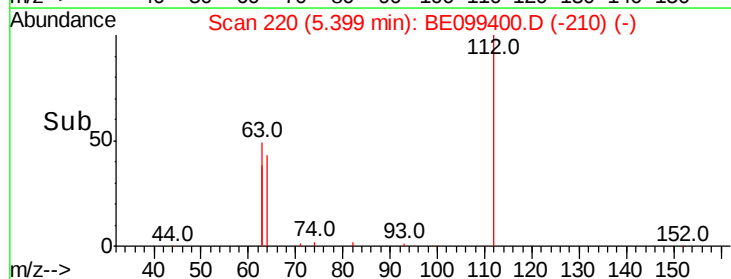
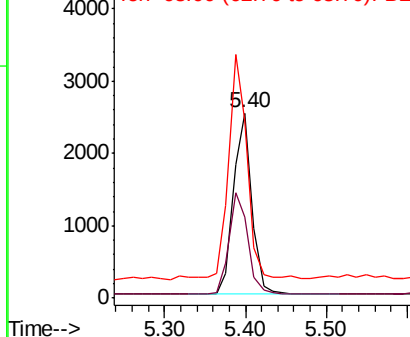
Lab File: BE099400.D

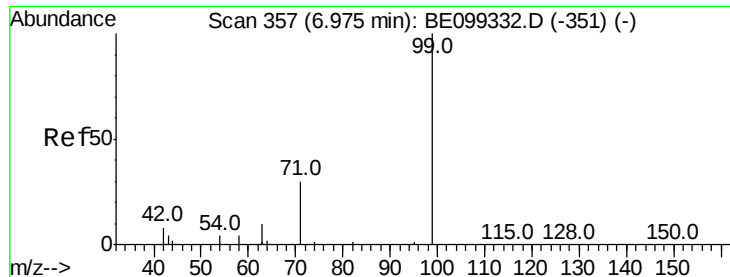
Acq: 27 Apr 2019 4:56

Tgt Ion:	112	Resp:	3919
Ion	Ratio	Lower	Upper
112	100		
64	57.2	44.9	67.3
63	127.1	97.4	146.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.450 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099400.D

Acq: 27 Apr 2019 4:56

Instrument :

BNA_E

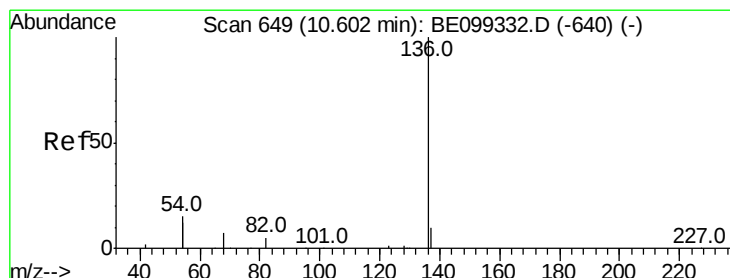
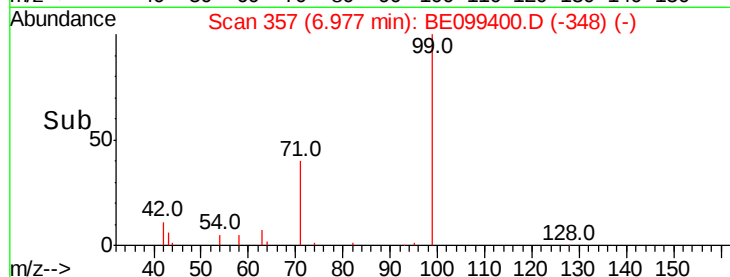
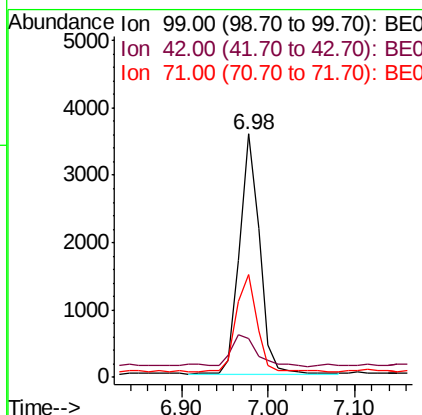
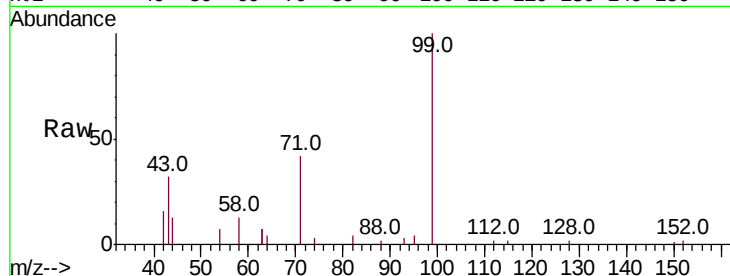
ClientSampleId :

EXT-028-SW001-042219

Tot Ion:	99	Resp:	5749
Ion	Ratio	Lower	Upper
99	100		
42	17.5	11.7	17.5
71	41.0	29.6	44.4

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#7

Naphthalene-d8

Concen: 0.400 ng

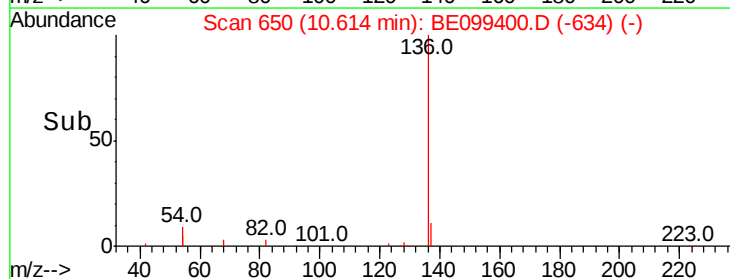
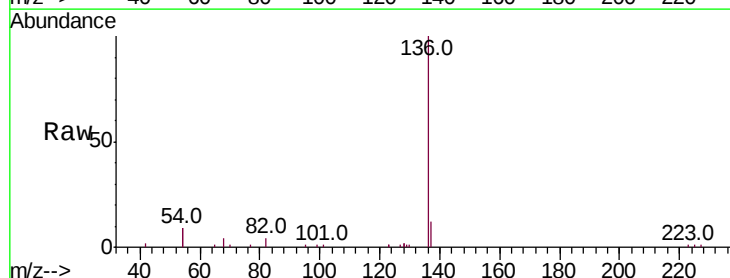
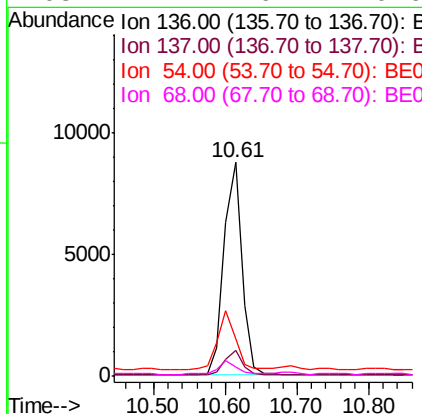
RT: 10.61 min Scan# 650

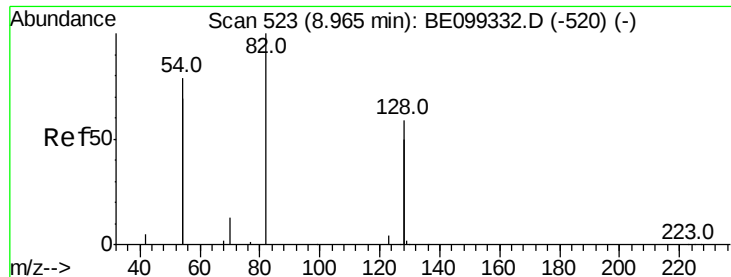
Delta R.T. 0.01 min

Lab File: BE099400.D

Acq: 27 Apr 2019 4:56

Tgt Ion:	136	Resp:	15129
Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.7	13.1
54	17.1	23.8	35.8#
68	4.1	6.4	9.6#





#8

Nitrobenzene-d5

Concen: 0.450 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099400.D

Acq: 27 Apr 2019 4:56

Instrument :

BNA_E

ClientSampleId :

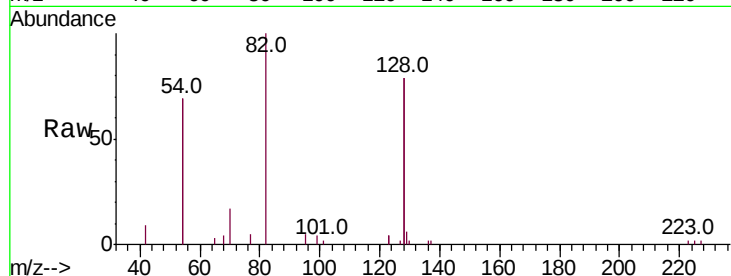
EXT-028-SW001-042219

Tot Ion: 82 Resp: 5284

Ion	Ratio	Lower	Upper
82	100		
128	157.7	91.7	137.5#
54	137.7	122.8	184.2

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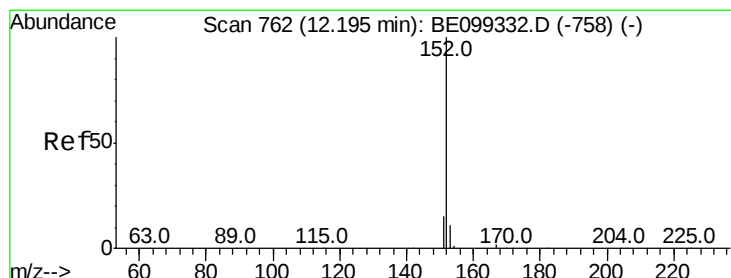
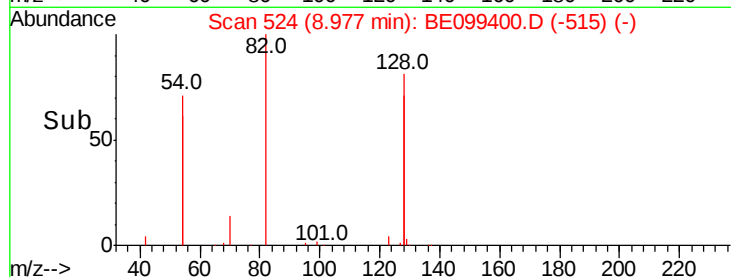
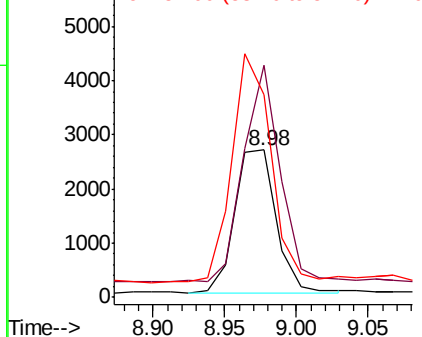
Sohil
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Abundance Ion 82.00 (81.70 to 82.70): BE099400.D (-515) (-)

Ion 128.00 (127.70 to 128.70): BE099400.D (-515) (-)

Ion 54.00 (53.70 to 54.70): BE099400.D (-515) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.358 ng

RT: 12.21 min Scan# 763

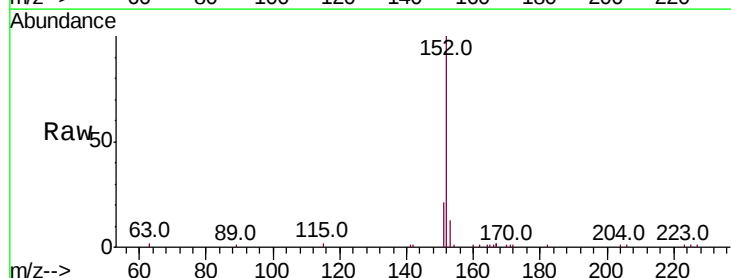
Delta R.T. 0.01 min

Lab File: BE099400.D

Acq: 27 Apr 2019 4:56

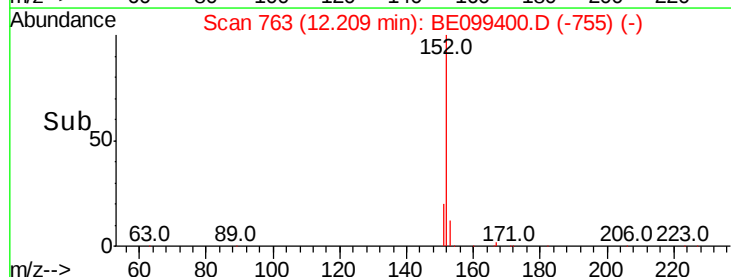
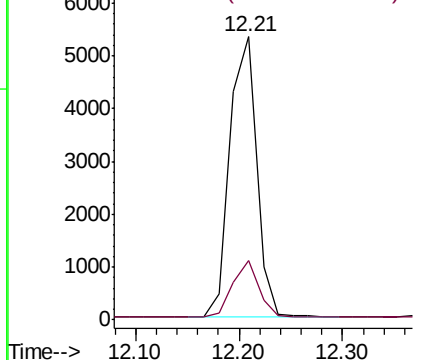
Tgt Ion: 152 Resp: 9569

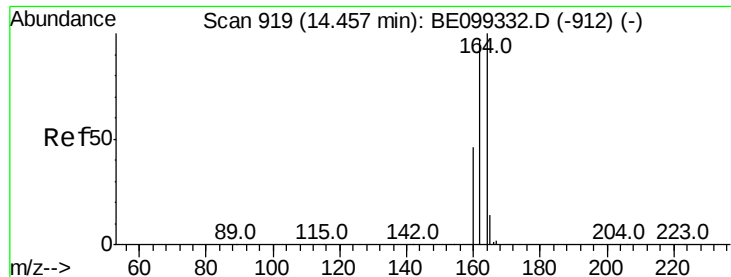
Ion	Ratio	Lower	Upper
152	100		
151	20.0	14.9	22.3



Abundance Ion 152.00 (151.70 to 152.70): BE099400.D (-755) (-)

Ion 151.00 (150.70 to 151.70): BE099400.D (-755) (-)





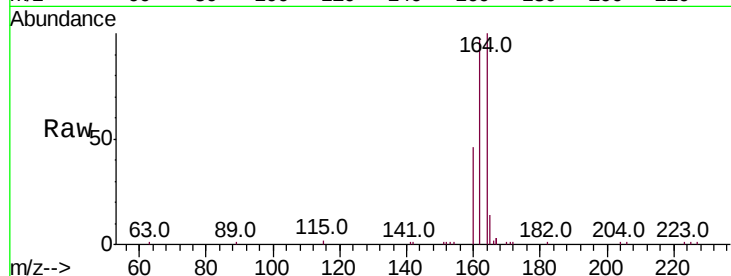
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099400.D
 Acq: 27 Apr 2019 4:56

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW001-042219

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.4	77.8	116.6
160	46.0	37.1	55.7

Manual Integrations
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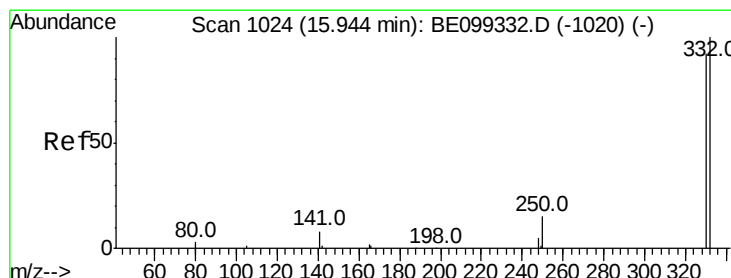
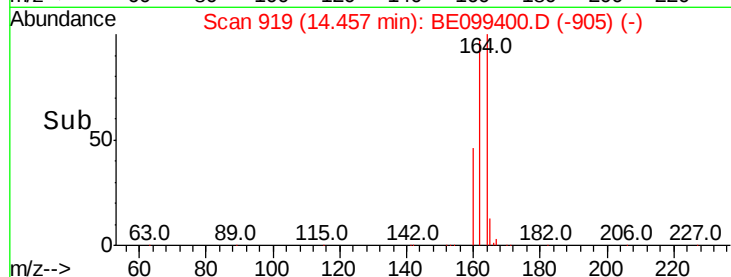
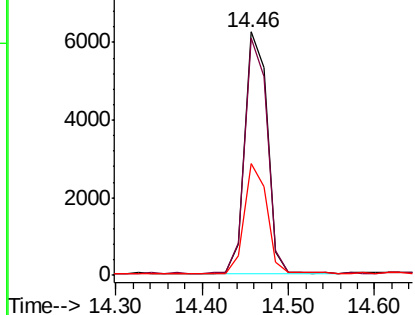


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
 2,4,6-Tribromophenol
 Concen: 0.653 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE099400.D
 Acq: 27 Apr 2019 4:56

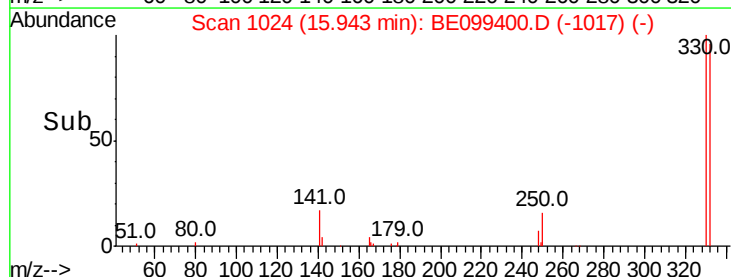
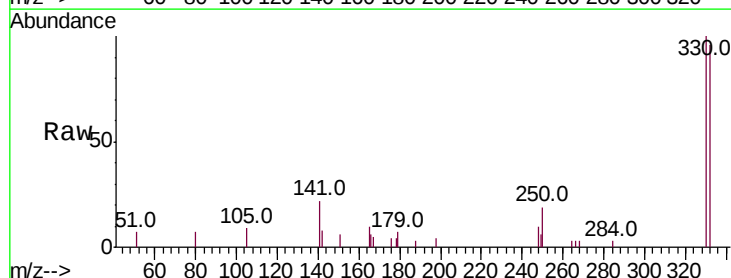
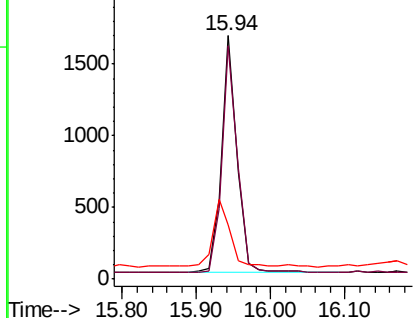
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	82.5	123.7
141	30.1	24.9	37.3

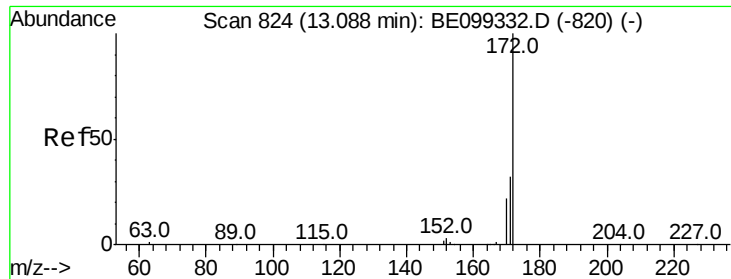
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





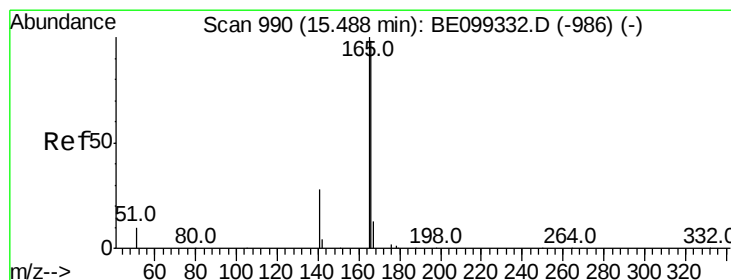
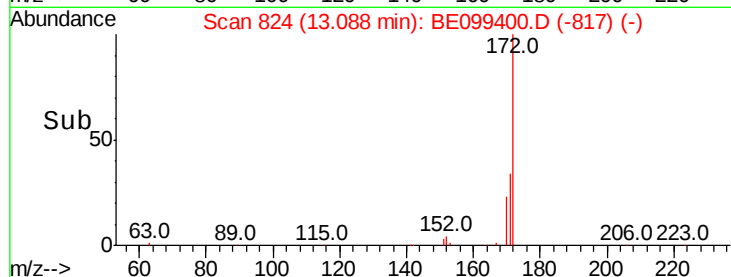
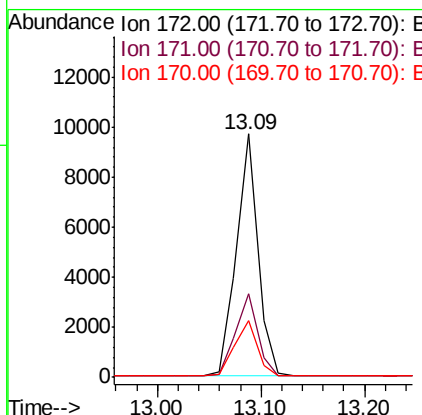
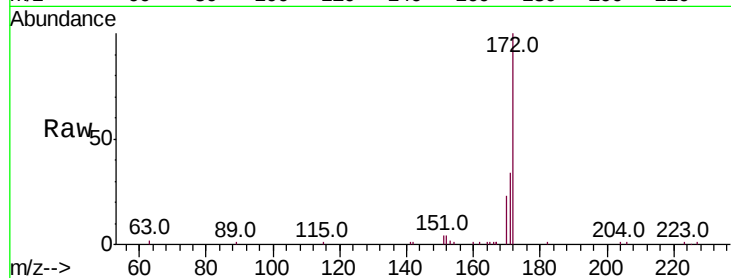
#15
2-Fluorobiphenyl
Concen: 0.318 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099400.D
Acq: 27 Apr 2019 4:56

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW001-042219

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.2	26.2	39.2
170	23.1	18.1	27.1

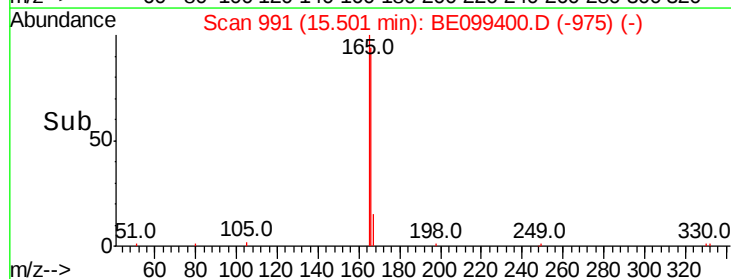
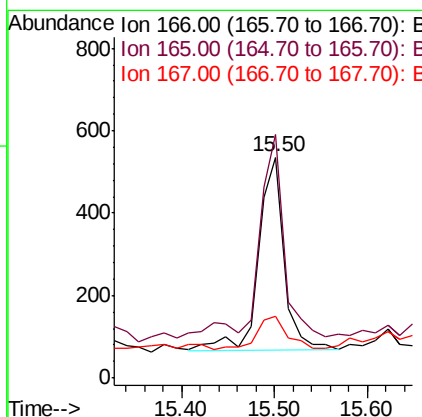
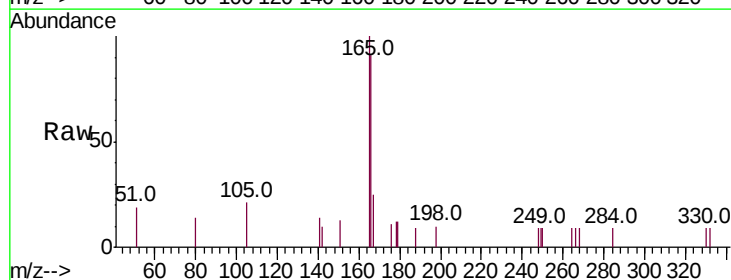
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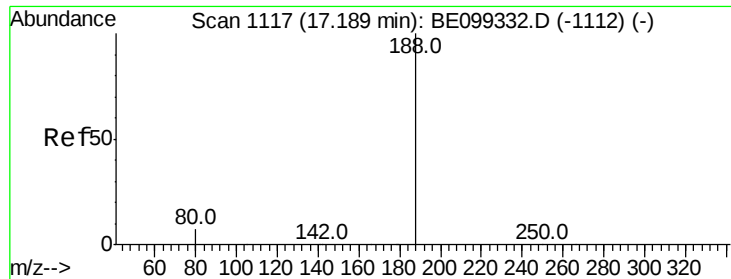
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#18
Fluorene
Concen: 0.020 ng
RT: 15.50 min Scan# 991
Delta R.T. 0.01 min
Lab File: BE099400.D
Acq: 27 Apr 2019 4:56

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.1	79.7	119.5
167	20.0	11.0	16.4#





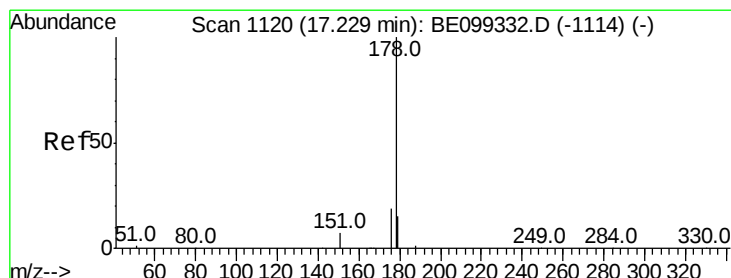
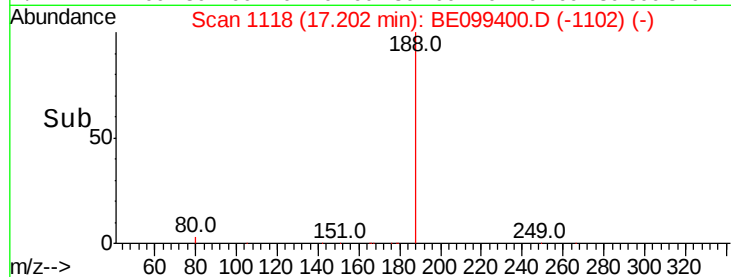
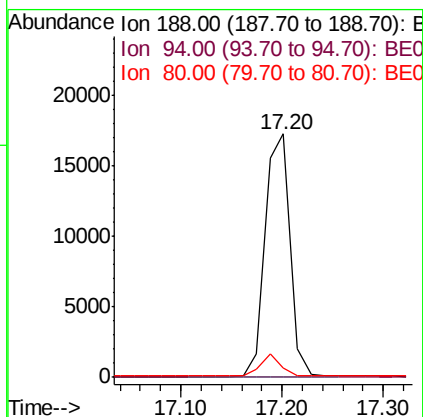
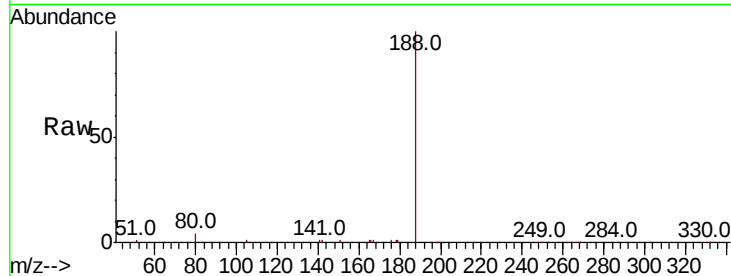
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BE099400.D
Acq: 27 Apr 2019 4:56

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW001-042219

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	4.0	6.2	9.4#

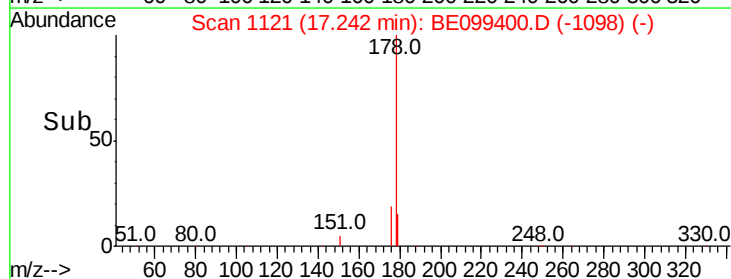
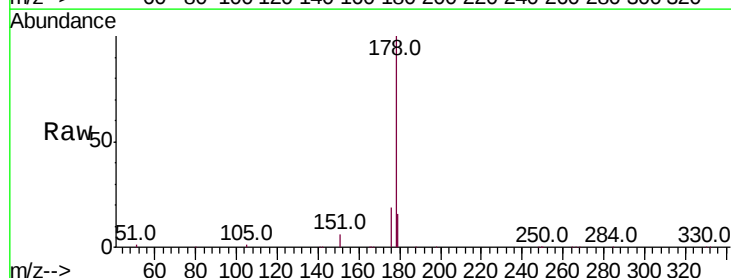
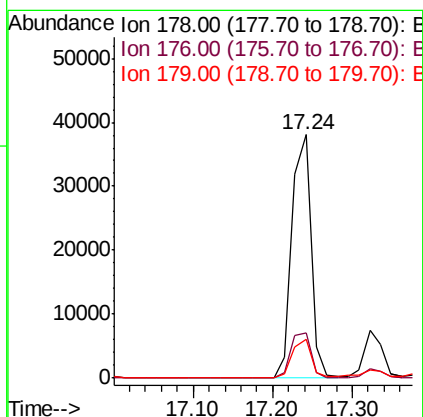
Manual Integrations
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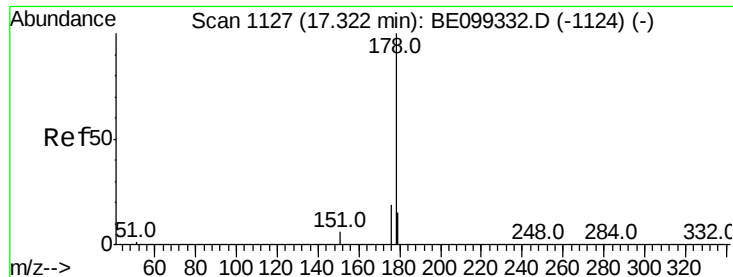
Sohil
4/29/2019 1:32:15 PM



#23
Phenanthrene
Concen: 0.811 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099400.D
Acq: 27 Apr 2019 4:56

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.5	12.4	18.6





#24

Anthracene

Concen: 0.162 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099400.D

Acq: 27 Apr 2019 4:56

Instrument :

BNA_E

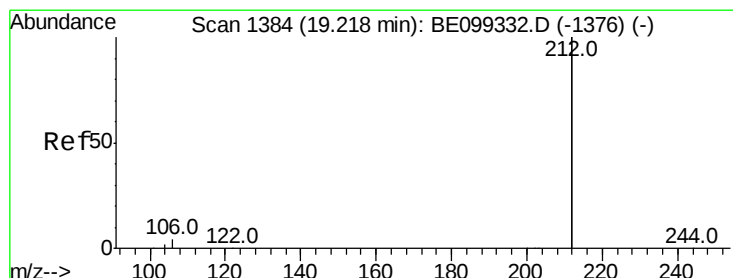
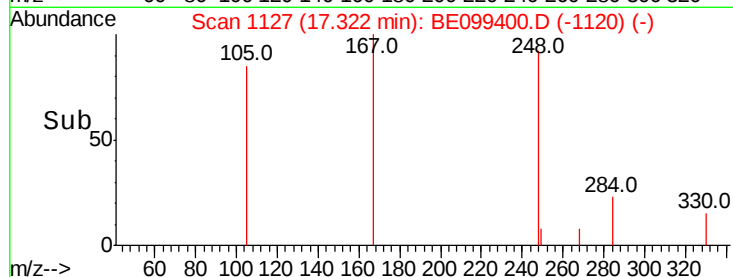
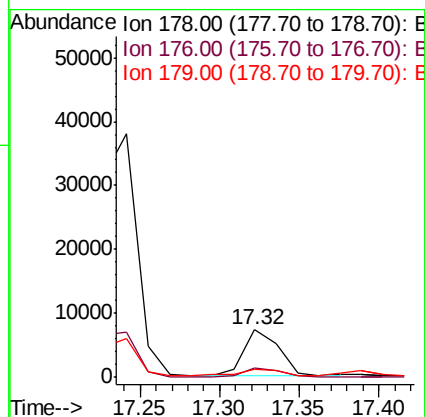
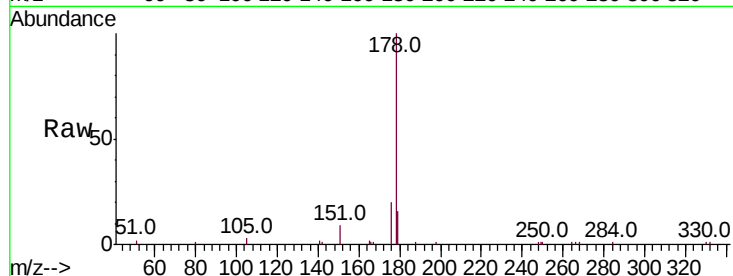
ClientSampleId :

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Tot Ion:	178	Resp:	11198
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.1	22.7
179	16.2	11.9	17.9

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#25

Fluoranthene-d10

Concen: 0.305 ng

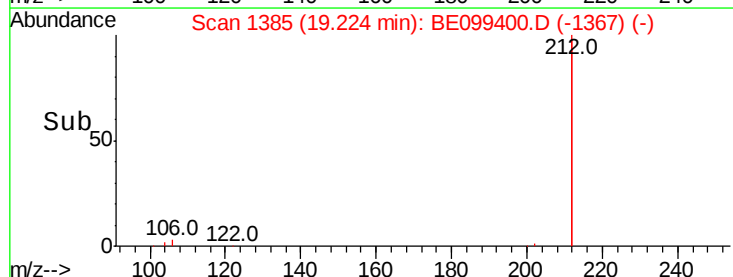
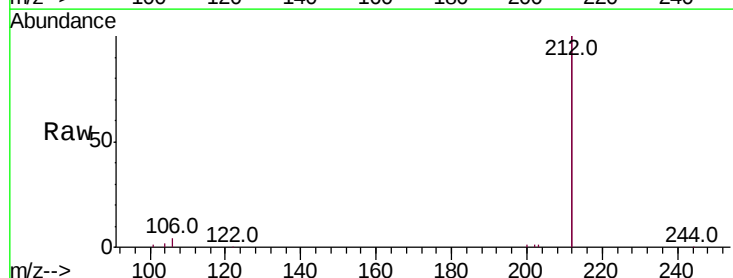
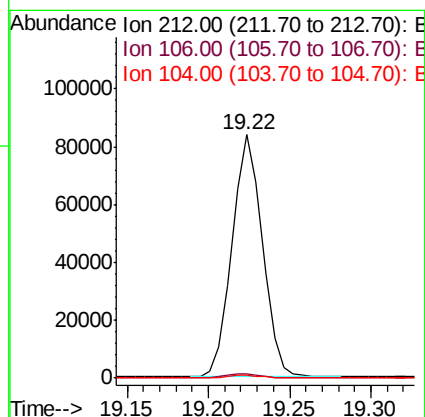
RT: 19.22 min Scan# 1385

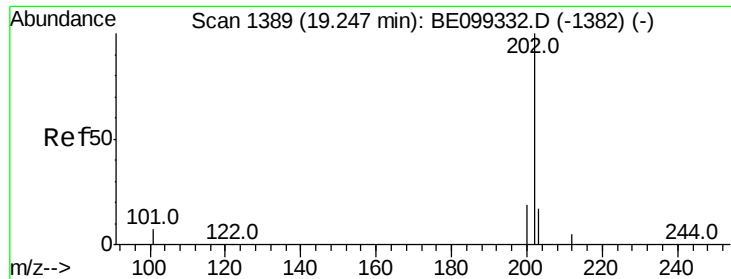
Delta R.T. 0.01 min

Lab File: BE099400.D

Acq: 27 Apr 2019 4:56

Tgt Ion:	212	Resp:	107584
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.8	2.6
104	1.1	1.0	1.4





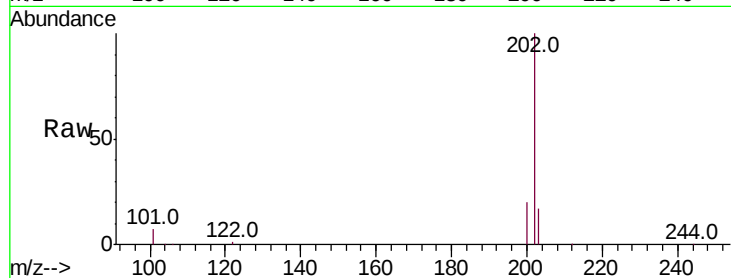
#26
 Fluoranthene
 Concen: 2.449 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: BE099400.D
 Acq: 27 Apr 2019 4:56

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW001-042219

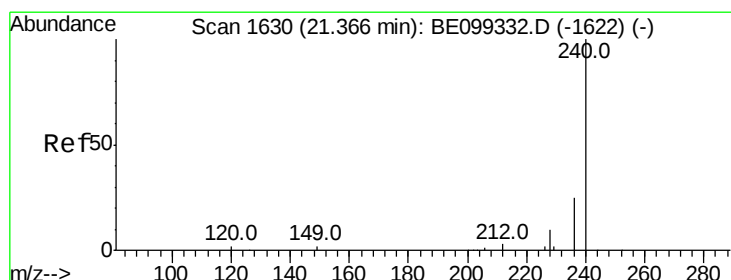
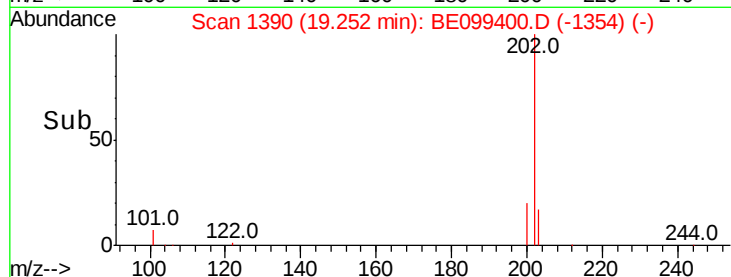
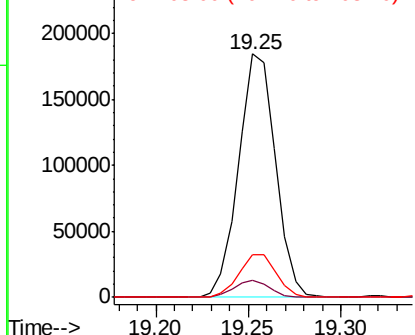
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	6.6	6.4	9.6
203	17.4	13.5	20.3

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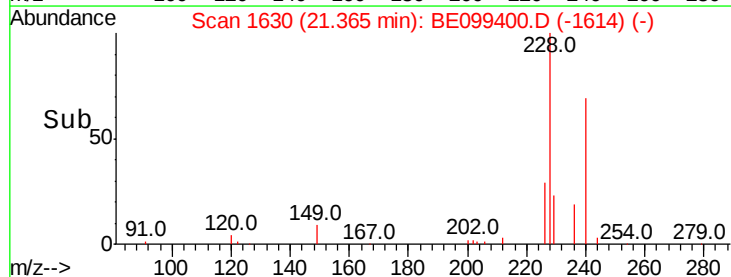
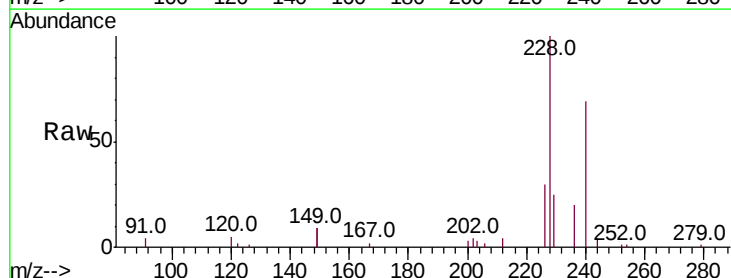
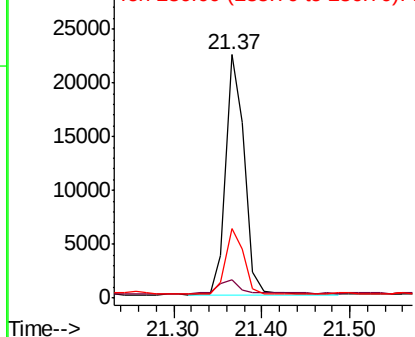
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

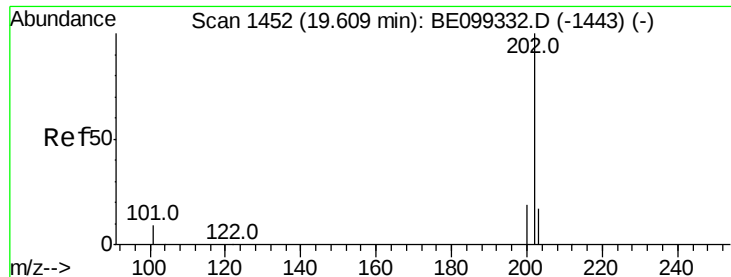


#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099400.D
 Acq: 27 Apr 2019 4:56

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	7.5	2.2	3.2#
236	28.7	20.2	30.4

Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 2.210 ng

RT: 19.61 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BE099400.D

Acq: 27 Apr 2019 4:56

Instrument :

BNA_E

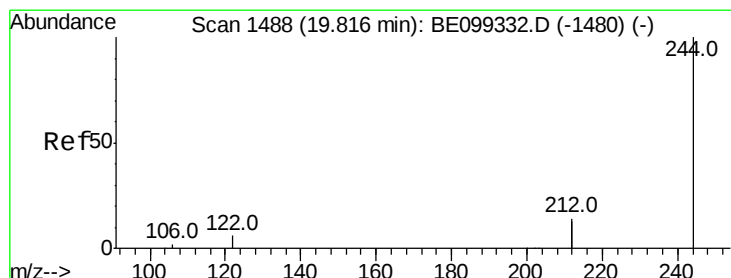
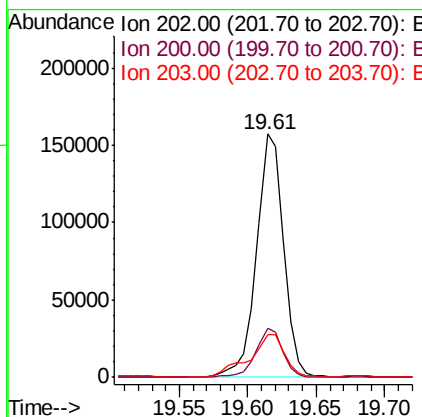
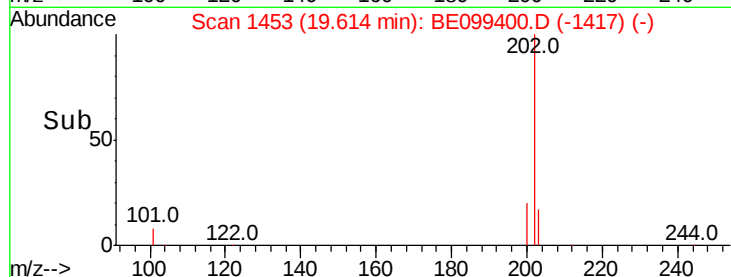
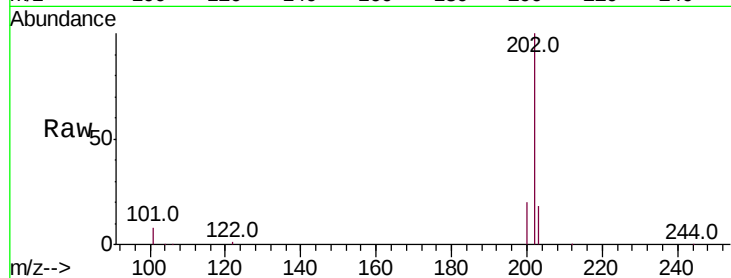
ClientSampleId :

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Tot Ion:	202	Resp:	213141
Ion Ratio	Lower	Upper	
202	100		
200	20.1	15.7	23.5
203	22.8	13.7	20.5#

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#29

Terphenyl-d14

Concen: 0.274 ng

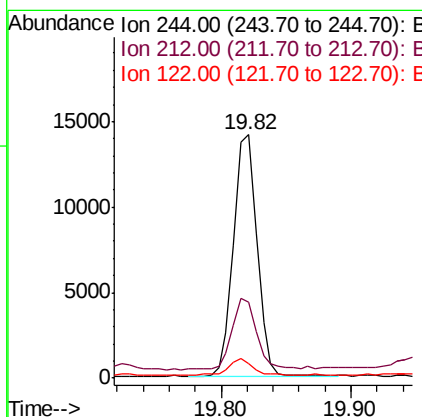
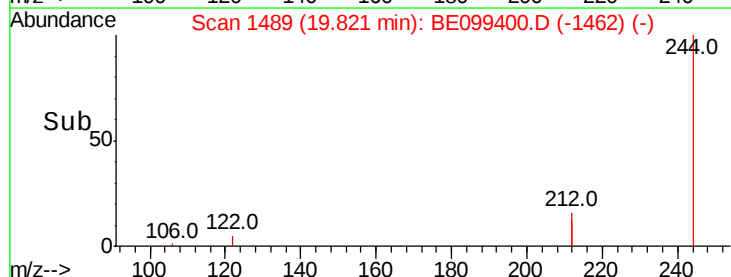
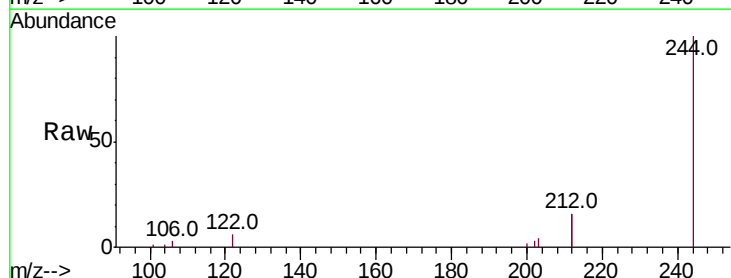
RT: 19.82 min Scan# 1489

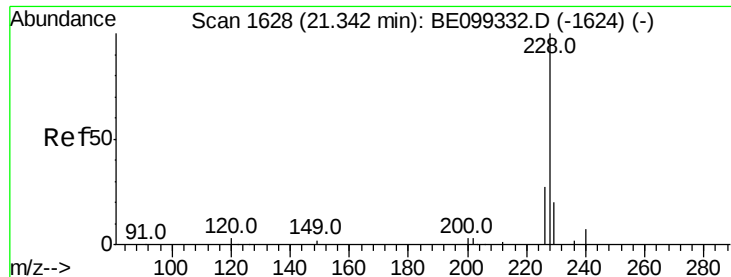
Delta R.T. 0.01 min

Lab File: BE099400.D

Acq: 27 Apr 2019 4:56

Tgt Ion:	244	Resp:	17654
Ion Ratio	Lower	Upper	
244	100		
212	31.3	22.6	33.8
122	6.0	4.6	7.0





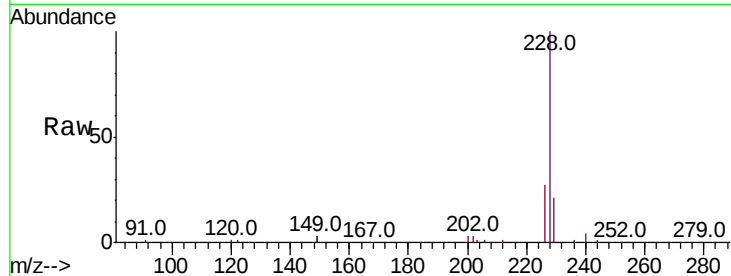
#30
Benzo(a)anthracene
Concen: 1.545 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE099400.D
Acq: 27 Apr 2019 4:56

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW001-042219

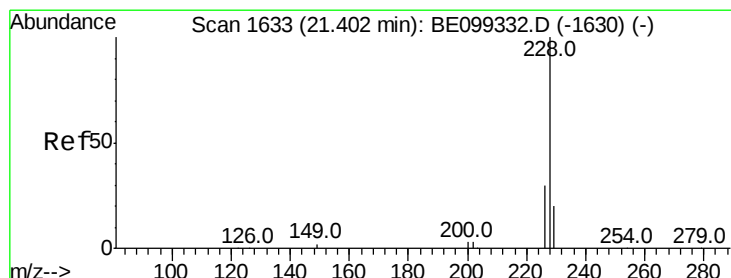
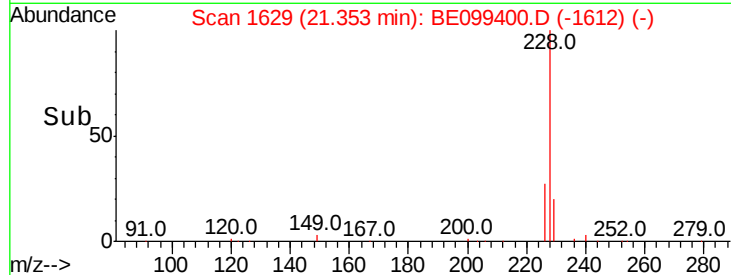
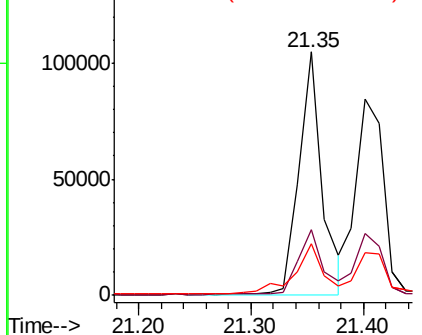
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.0	33.0
229	21.0	15.8	23.8

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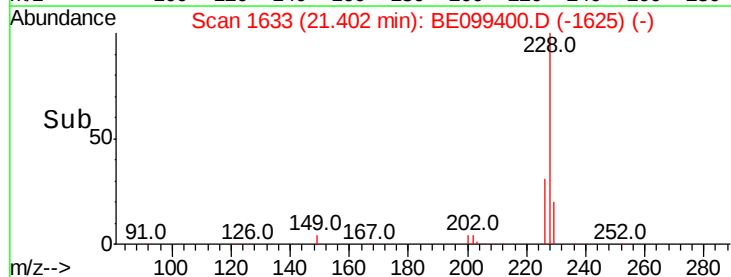
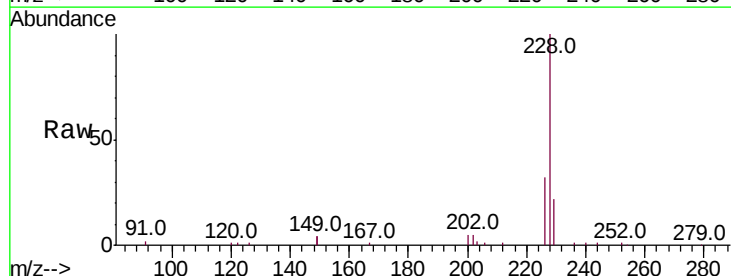
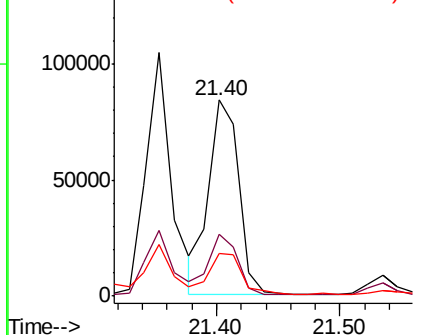
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

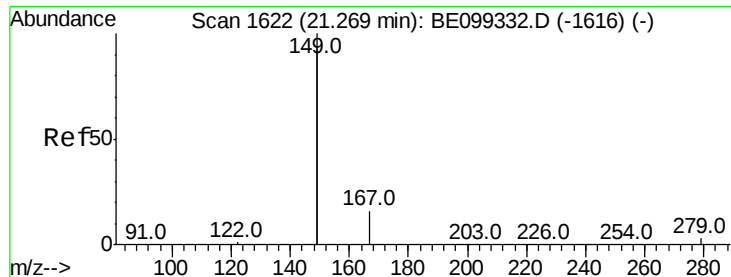


#31
Chrysene
Concen: 1.398 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099400.D
Acq: 27 Apr 2019 4:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.4	35.2
229	21.9	16.2	24.2

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





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.638 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE099400.D

Acq: 27 Apr 2019 4:56

Instrument :

BNA_E

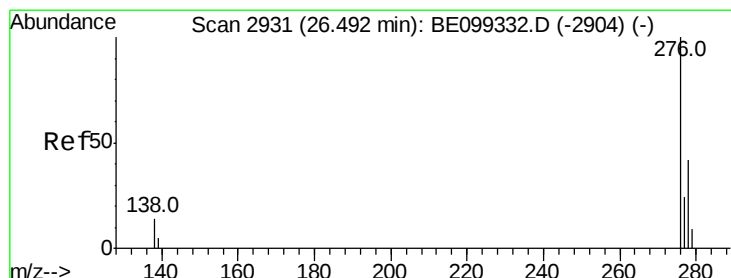
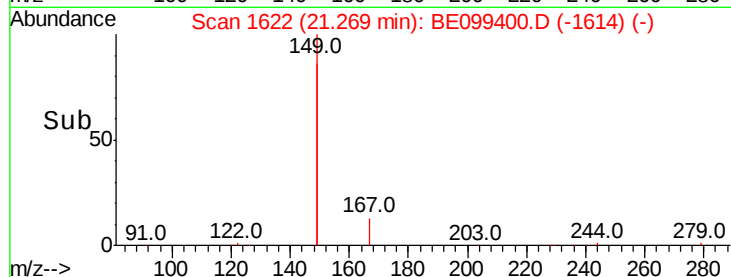
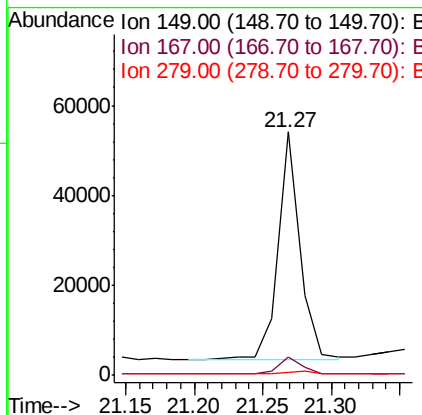
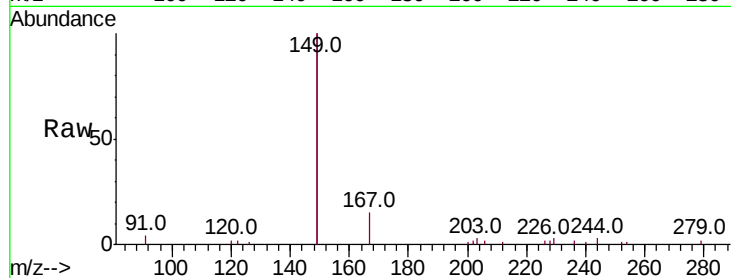
ClientSampleId :

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Tot Ion:	149	Resp:	55857
Ion Ratio	Lower	Upper	
149	100		
167	7.7	6.0	9.0
279	2.0	1.1	1.7#

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.562 ng

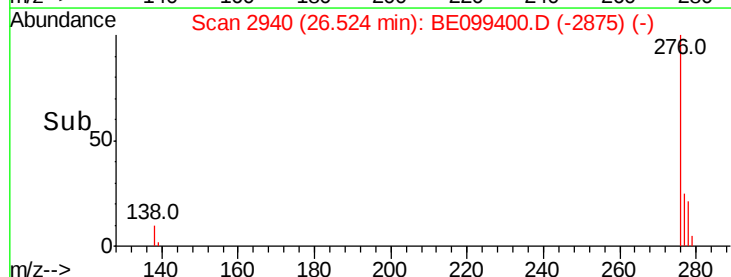
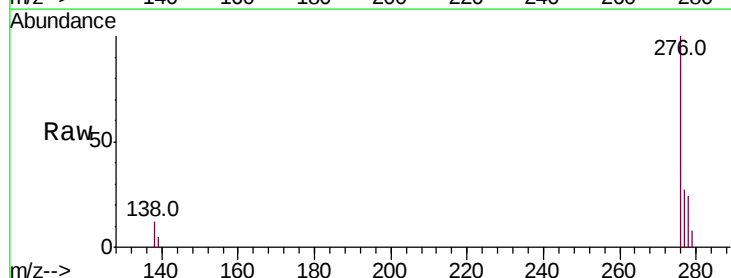
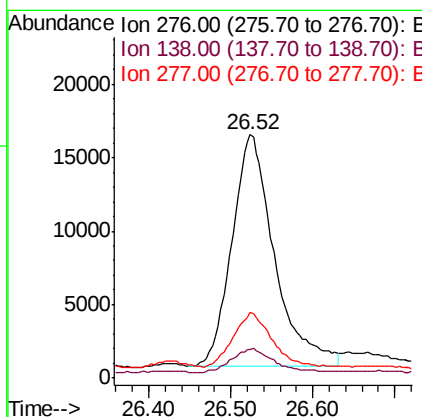
RT: 26.52 min Scan# 2940

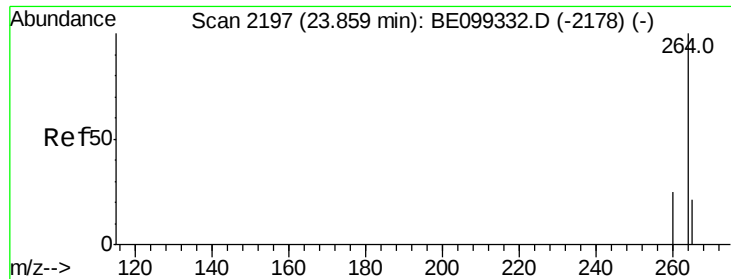
Delta R.T. 0.03 min

Lab File: BE099400.D

Acq: 27 Apr 2019 4:56

Tgt Ion:	276	Resp:	56805
Ion Ratio	Lower	Upper	
276	100		
138	10.2	12.7	19.1#
277	21.4	19.6	29.4





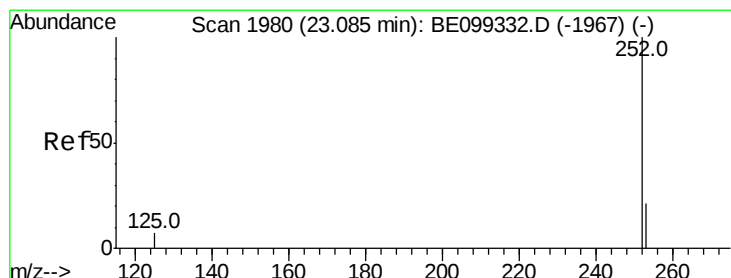
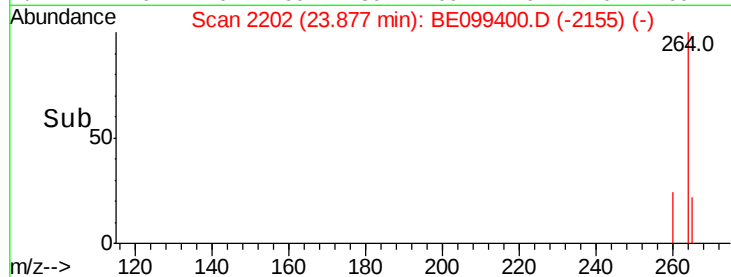
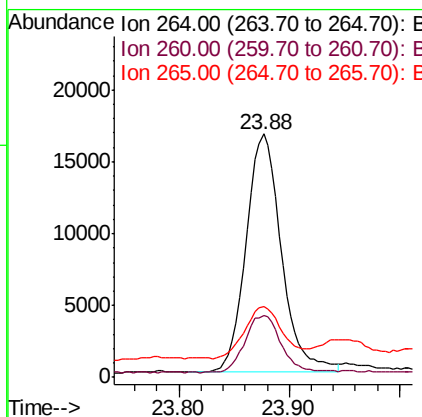
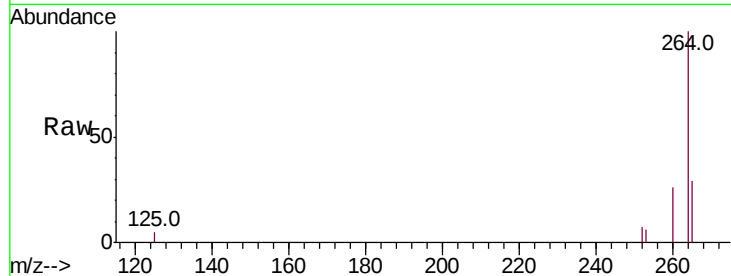
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2202
Delta R.T. 0.02 min
Lab File: BE099400.D
Acq: 27 Apr 2019 4:56

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW001-042219

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.1	30.1
265	29.0	19.9	29.9

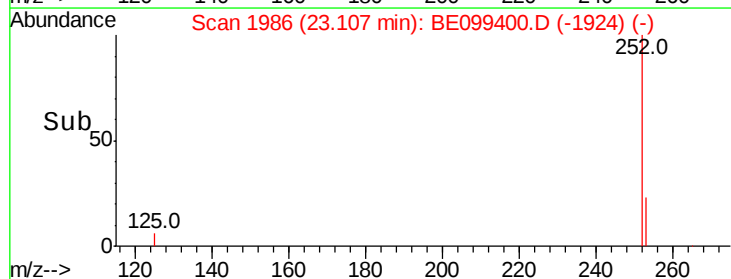
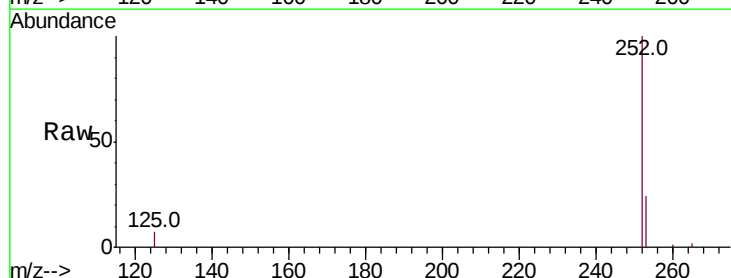
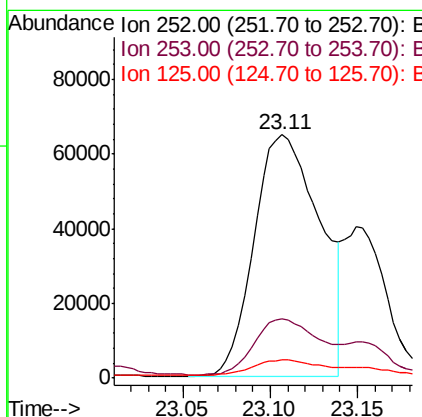
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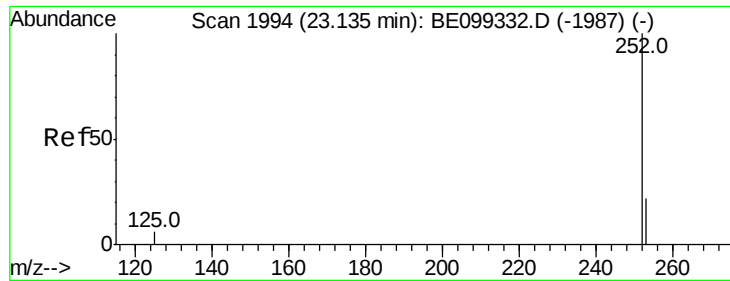
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#35
Benzo(b)fluoranthene
Concen: 1.507 ng
RT: 23.11 min Scan# 1986
Delta R.T. 0.02 min
Lab File: BE099400.D
Acq: 27 Apr 2019 4:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.3	25.9
125	7.4	5.8	8.6





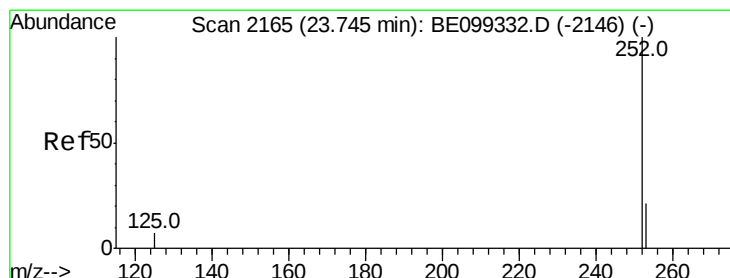
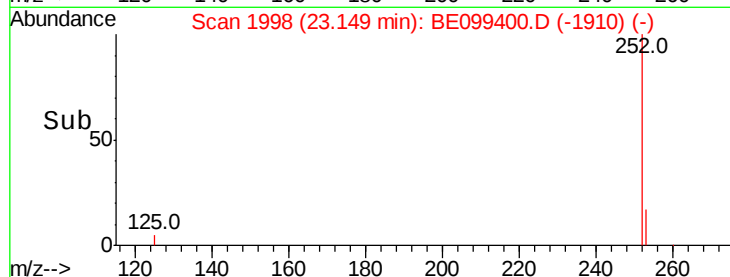
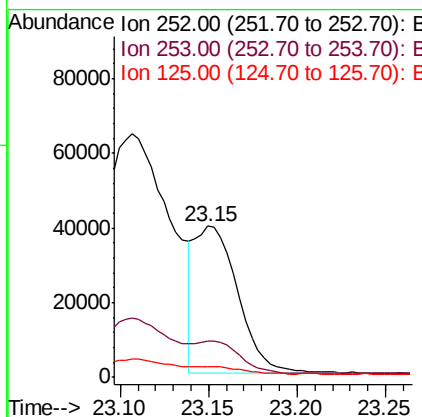
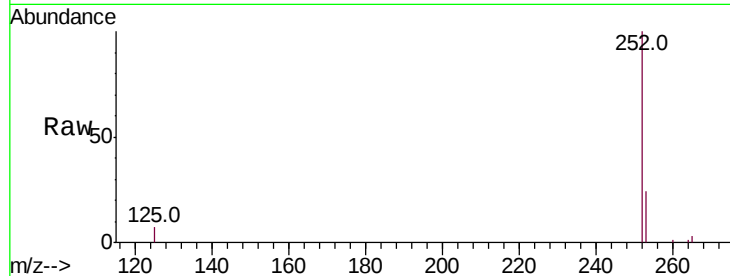
#36
Benzo(k)fluoranthene
Concen: 0.594 ng m
RT: 23.15 min Scan# 1998
Delta R.T. 0.01 min
Lab File: BE099400.D
Acq: 27 Apr 2019 4:56

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW001-042219

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	7.4	5.4	8.0

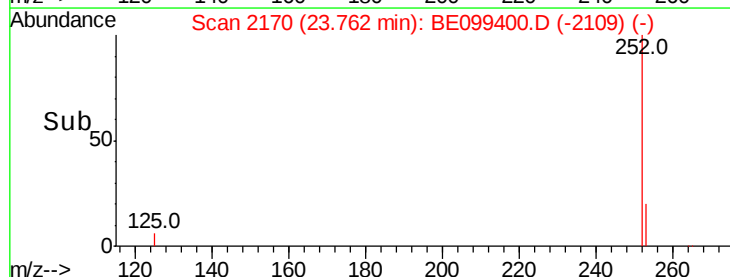
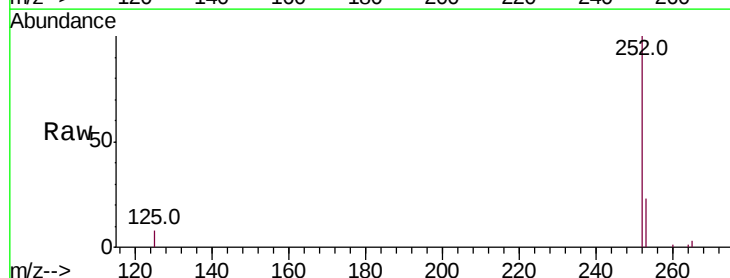
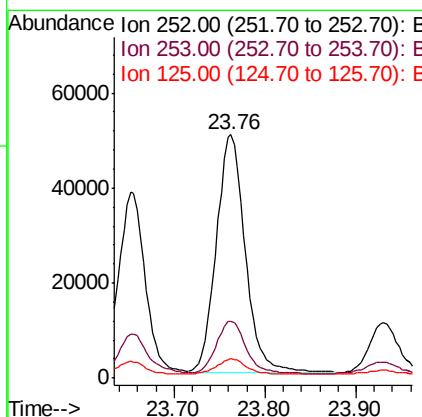
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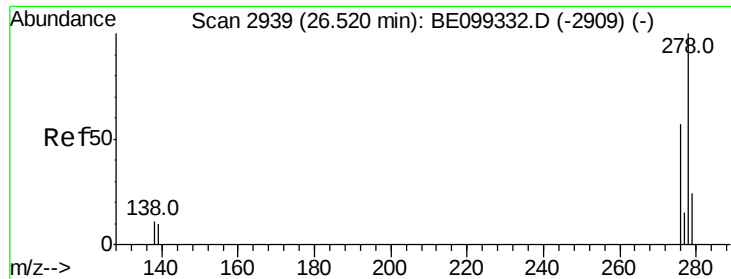
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#37
Benzo(a)pyrene
Concen: 1.094 ng
RT: 23.76 min Scan# 2170
Delta R.T. 0.02 min
Lab File: BE099400.D
Acq: 27 Apr 2019 4:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	8.0	6.5	9.7





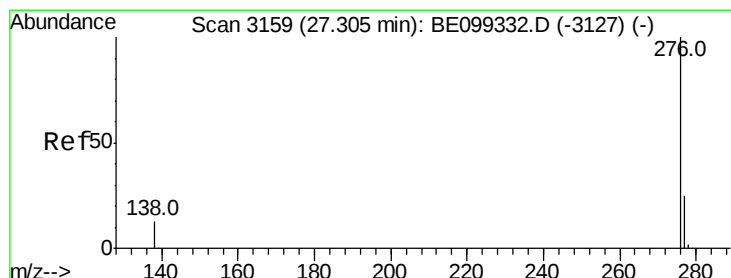
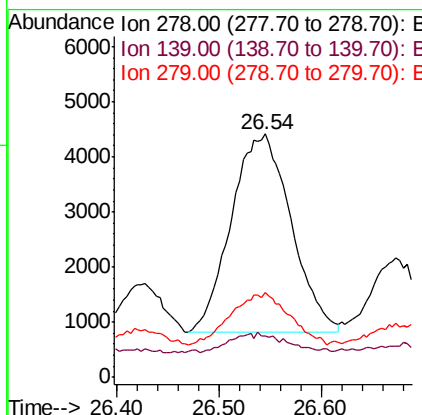
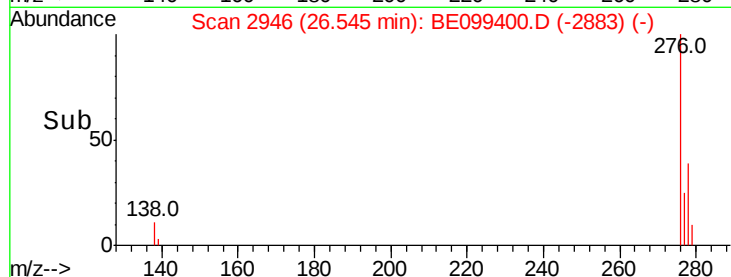
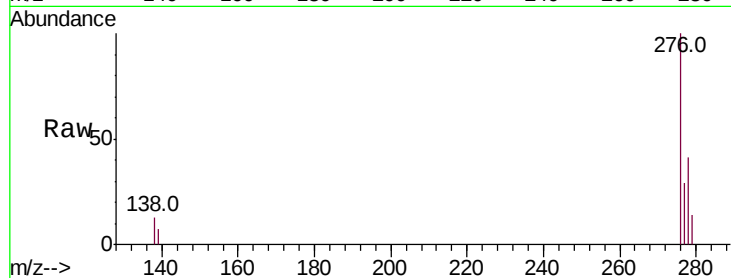
#38
 Dibenzo(a,h)anthracene
 Concen: 0.142 ng
 RT: 26.54 min Scan# 2946
 Delta R.T. 0.02 min
 Lab File: BE099400.D
 Acq: 27 Apr 2019 4:56

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW001-042219

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.2	8.5	12.7#
279	34.9	19.8	29.8#

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#39
 Benzo(g,h,i)perylene
 Concen: 0.481 ng
 RT: 27.34 min Scan# 3170
 Delta R.T. 0.04 min
 Lab File: BE099400.D
 Acq: 27 Apr 2019 4:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	20.0	30.0
138	12.6	11.1	16.7

