

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099393.D
 Acq On : 27 Apr 2019 00:42
 Operator : JU/SJ
 Sample : K2533-15
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW023-042219

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:31:56 PM

Quant Time: Apr 27 07:12:25 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	3569	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	14323	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	10616	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	29832	0.40	ng	0.01
27) Chrysene-d12	21.37	240	33600	0.40	ng	0.00
34) Perylene-d12	23.88	264	38407	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	3803	0.44	ng	0.01
5) Phenol-d6	6.98	99	5392	0.43	ng	0.00
8) Nitrobenzene-d5	8.98	82	5033	0.45	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	9588	0.38	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2502	0.71	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	13672	0.33	ng	0.00
25) Fluoranthene-d10	19.22	212	121717	0.34	ng	0.00
29) Terphenyl-d14	19.82	244	20785	0.31	ng	0.00

Target Compounds

						Qvalue
18) Fluorene	15.50	166	967	0.023	ng	# 81
23) Phenanthrene	17.24	178	47815	0.605	ng	99
24) Anthracene	17.32	178	10952	0.156	ng	99
26) Fluoranthene	19.25	202	264492	2.501	ng	# 98
28) Pyrene	19.61	202	225946	2.283	ng	# 93
30) Benzo(a)anthracene	21.35	228	178091	1.803	ng	98
31) Chrysene	21.40	228	161860	1.540	ng	95
32) Bis(2-ethylhexyl)phthalate	21.27	149	76335	0.849	ng	100
33) Indeno(1,2,3-cd)pyrene	26.52	276	71676	0.690	ng	# 91
35) Benzo(b)fluoranthene	23.11	252	205781	1.750	ng	95
36) Benzo(k)fluoranthene	23.15	252	81732m	0.697	ng	
37) Benzo(a)pyrene	23.76	252	136129	1.292	ng	96
38) Dibenzo(a,h)anthracene	26.54	278	17982	0.167	ng	# 70
39) Benzo(g,h,i)perylene	27.35	276	61863	0.567	ng	94

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

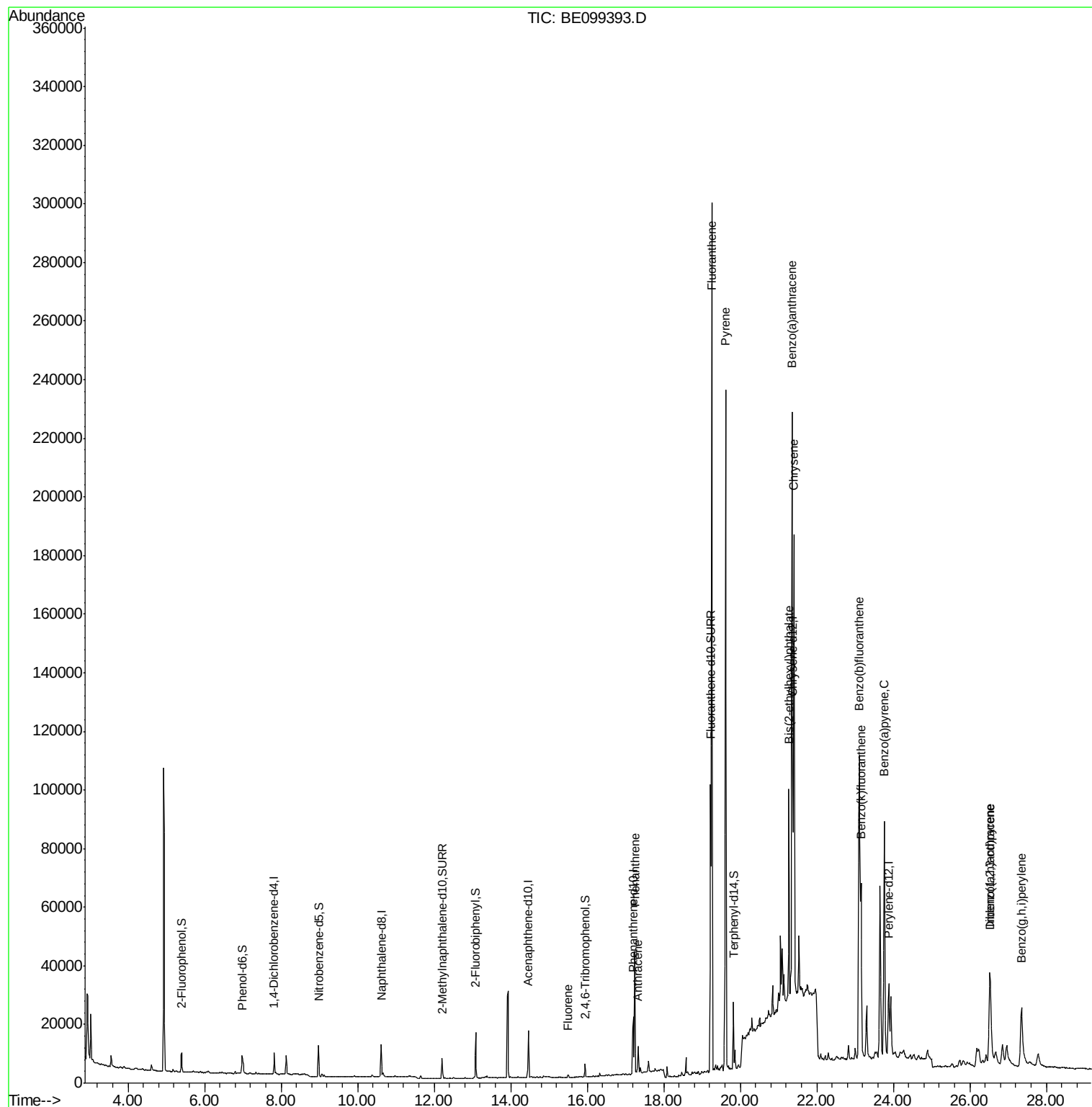
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
Data File : BE099393.D
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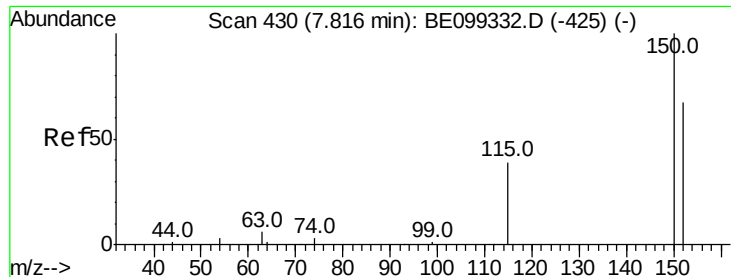
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. -0.00 min

Lab File: BE099393.D

Acq: 27 Apr 2019 00:42

Instrument :

BNA_E

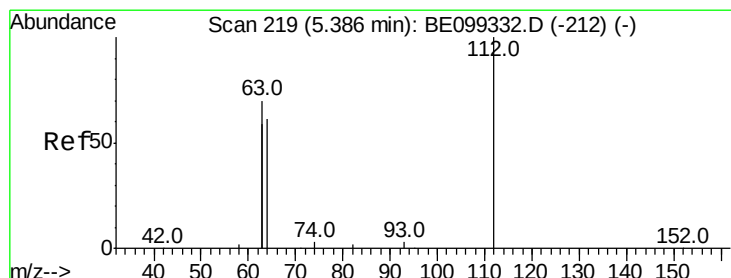
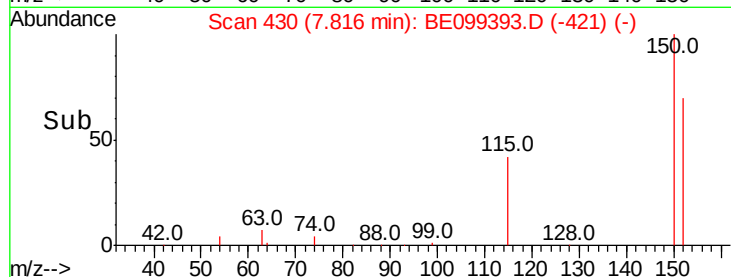
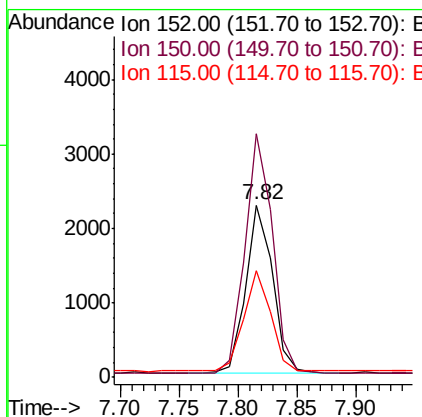
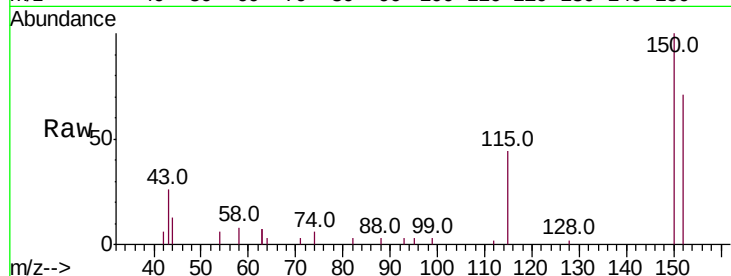
ClientSampleId :

EXT-028-SW023-042219

Tot Ion:	152	Resp:	3569
Ion	Ratio	Lower	Upper
152	100		
150	141.4	119.5	179.3
115	62.0	47.5	71.3

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#4

2-Fluorophenol

Concen: 0.436 ng

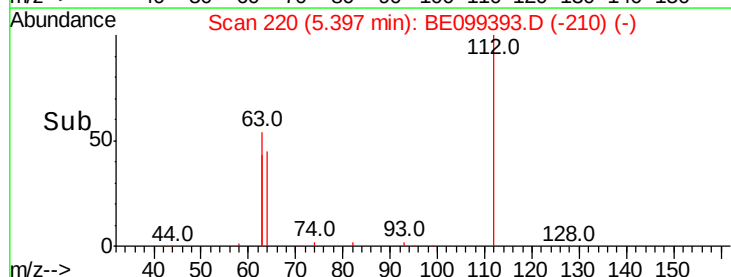
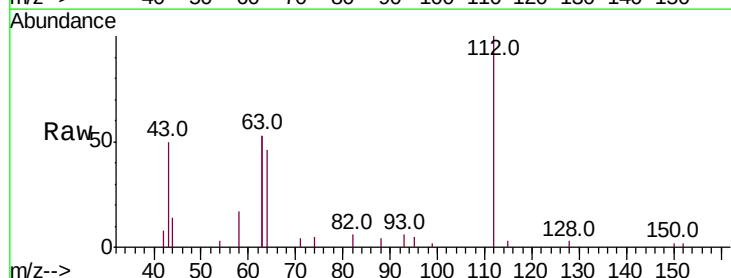
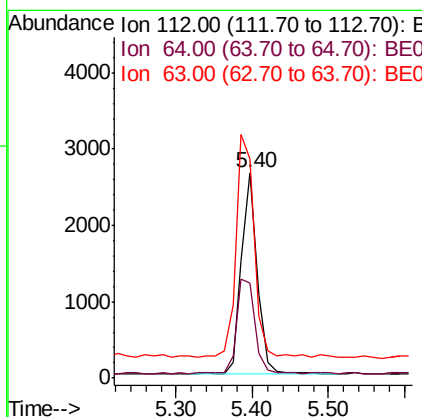
RT: 5.40 min Scan# 220

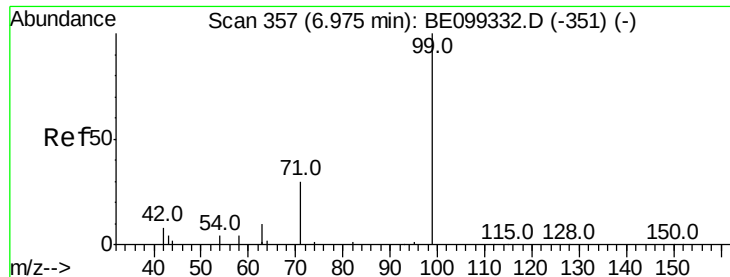
Delta R.T. 0.01 min

Lab File: BE099393.D

Acq: 27 Apr 2019 00:42

Tgt Ion:	112	Resp:	3803
Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.9	67.3
63	127.5	97.4	146.0





#5

Phenol-d6

Concen: 0.433 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099393.D

Acq: 27 Apr 2019 00:42

Instrument :

BNA_E

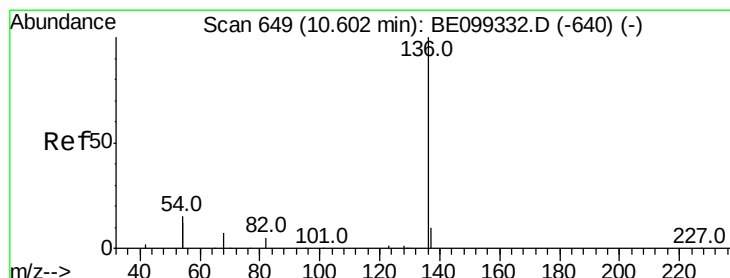
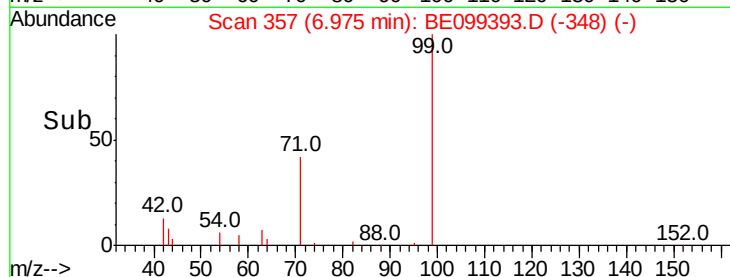
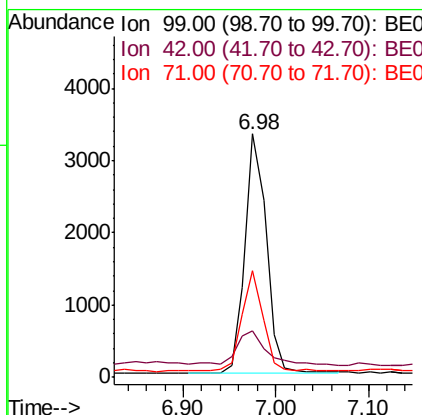
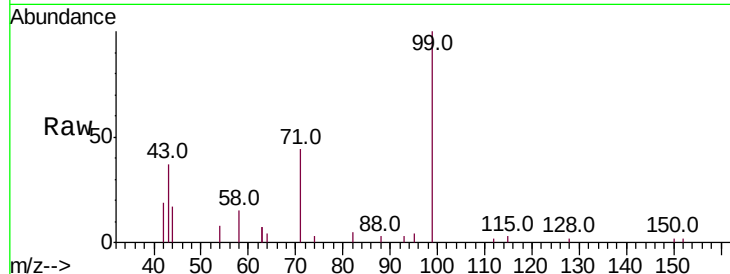
ClientSampleId :

EXT-028-SW023-042219

Tot Ion:	99	Resp:	5392
Ion	Ratio	Lower	Upper
99	100		
42	21.5	11.7	17.5#
71	40.9	29.6	44.4

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#7

Naphthalene-d8

Concen: 0.400 ng

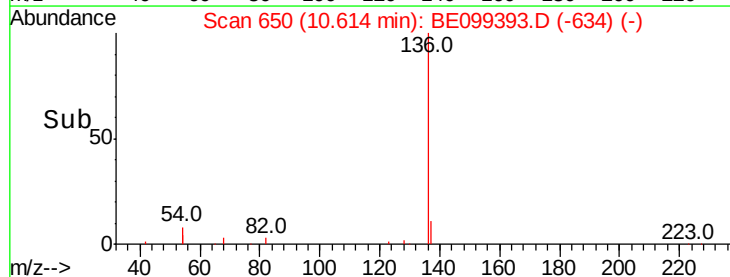
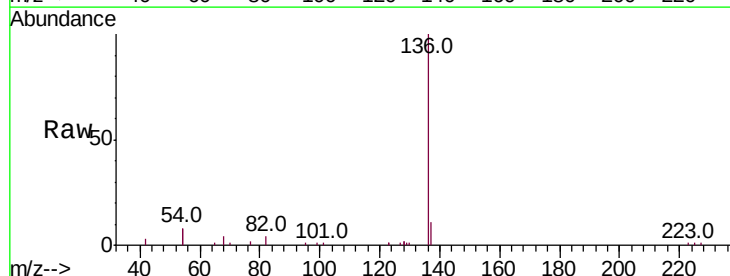
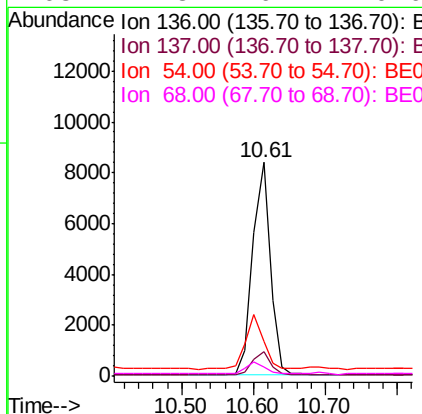
RT: 10.61 min Scan# 650

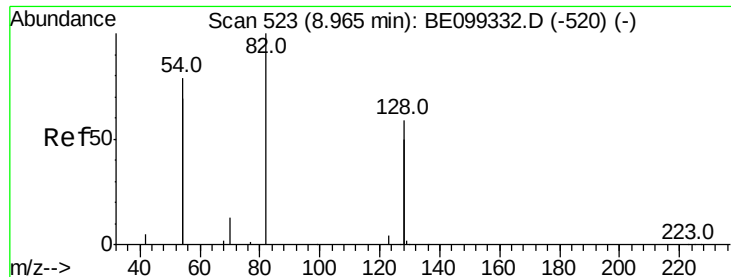
Delta R.T. 0.01 min

Lab File: BE099393.D

Acq: 27 Apr 2019 00:42

Tgt Ion:	136	Resp:	14323
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	16.3	23.8	35.8#
68	4.3	6.4	9.6#





#8

Nitrobenzene-d5

Concen: 0.453 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099393.D

Acq: 27 Apr 2019 00:42

Instrument :

BNA_E

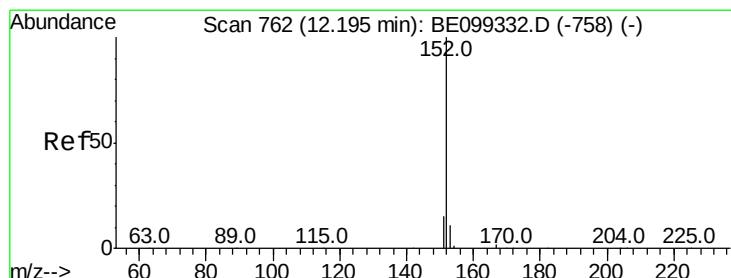
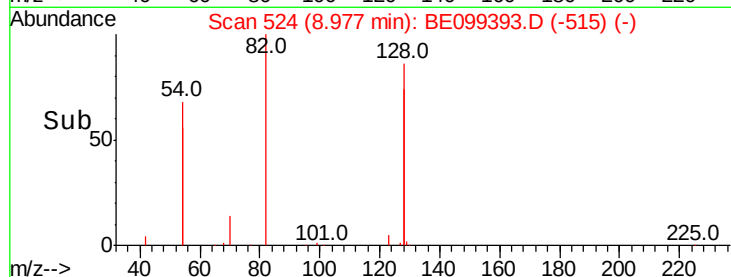
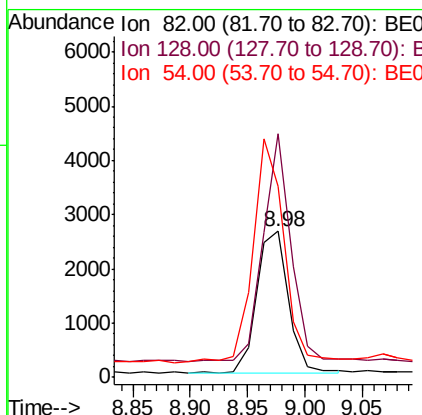
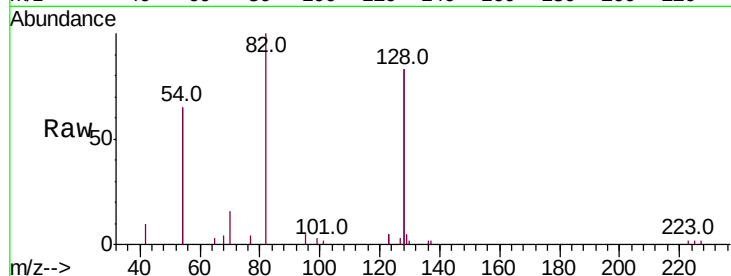
ClientSampleId :

EXT-028-SW023-042219

Tot Ion	82	Resp	5033
Ion	Ratio	Lower	Upper
82	100		
128	167.0	91.7	137.5#
54	131.0	122.8	184.2

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#11

2-Methylnaphthalene-d10

Concen: 0.379 ng

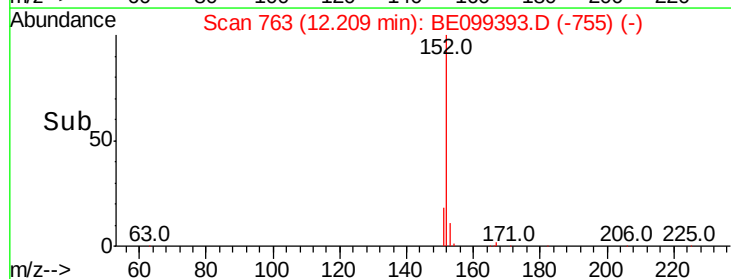
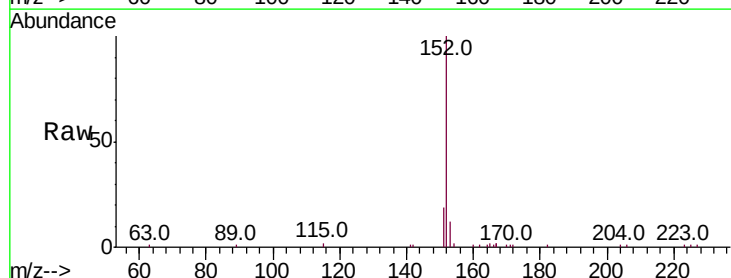
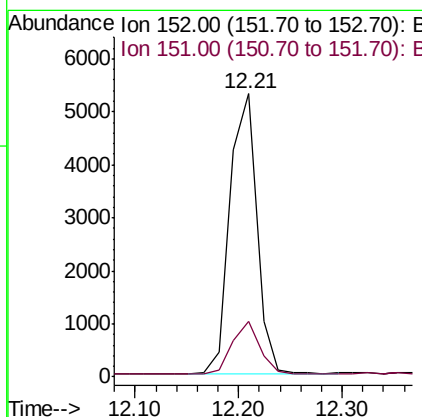
RT: 12.21 min Scan# 763

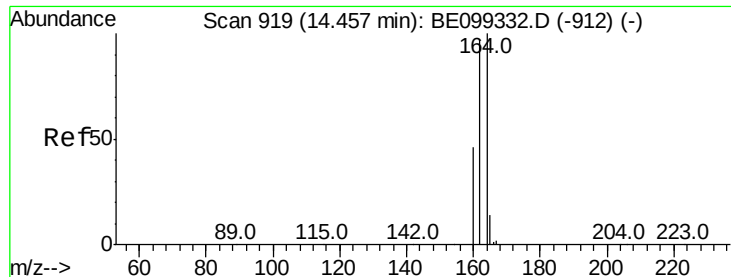
Delta R.T. 0.01 min

Lab File: BE099393.D

Acq: 27 Apr 2019 00:42

Tgt Ion	152	Resp	9588
Ion	Ratio	Lower	Upper
152	100		
151	18.4	14.9	22.3





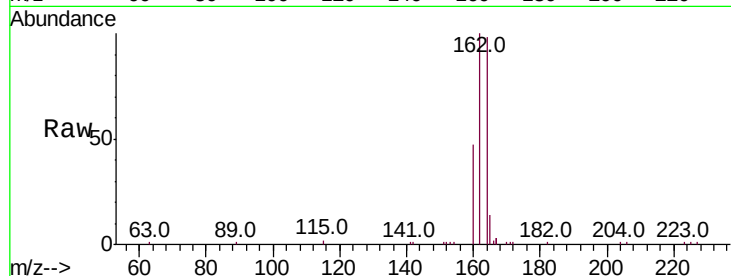
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE099393.D
Acq: 27 Apr 2019 00:42

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW023-042219

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.7	77.8	116.6
160	47.7	37.1	55.7

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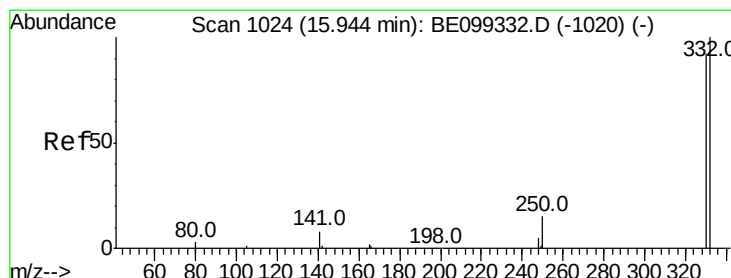
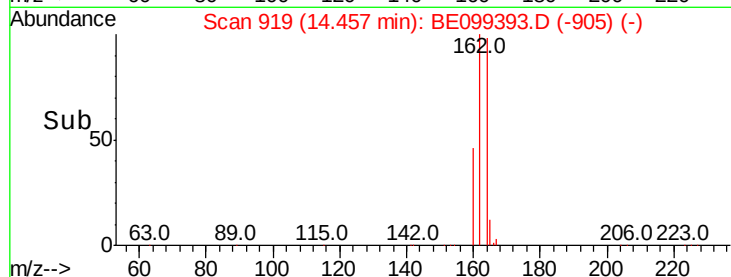
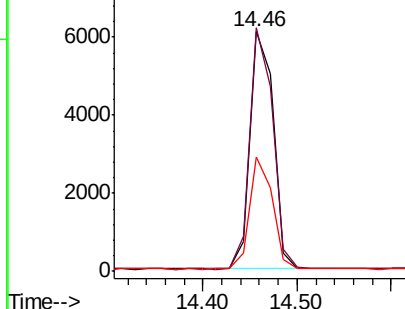


Abundance

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: 0.710 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE099393.D
Acq: 27 Apr 2019 00:42

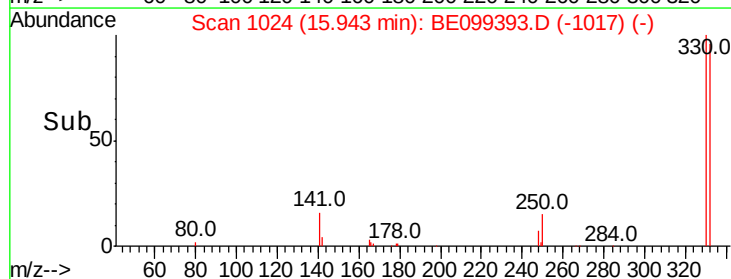
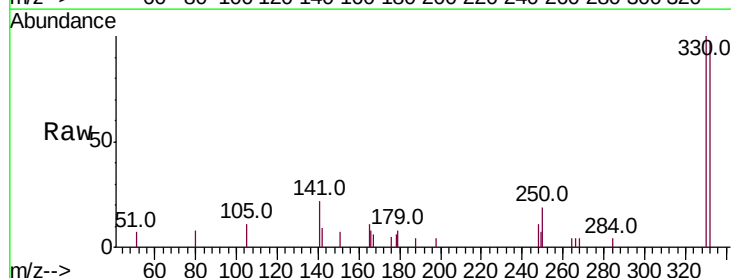
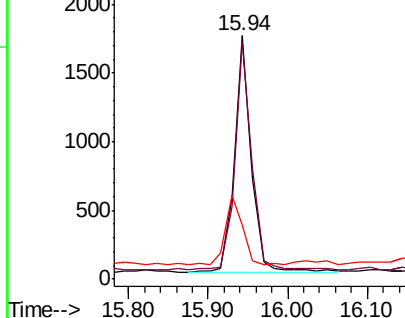
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	82.5	123.7
141	30.0	24.9	37.3

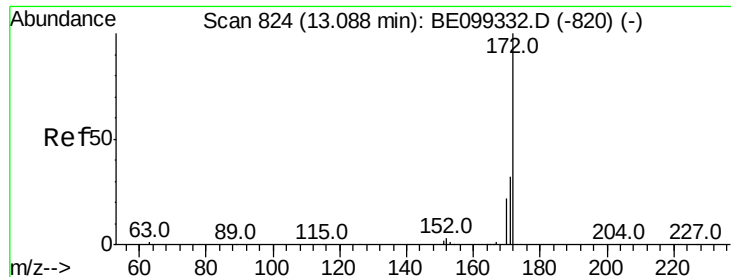
Abundance

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





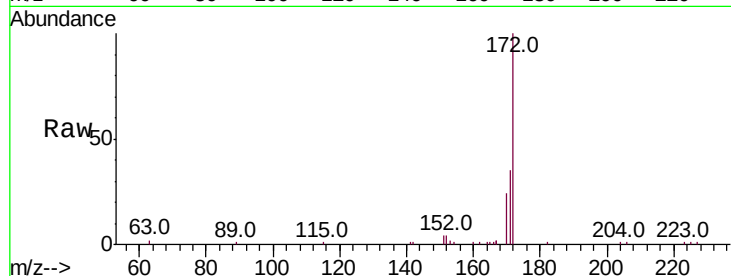
#15
2-Fluorobiphenyl
Concen: 0.328 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE099393.D
Acq: 27 Apr 2019 00:42

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW023-042219

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	26.2	39.2
170	24.0	18.1	27.1

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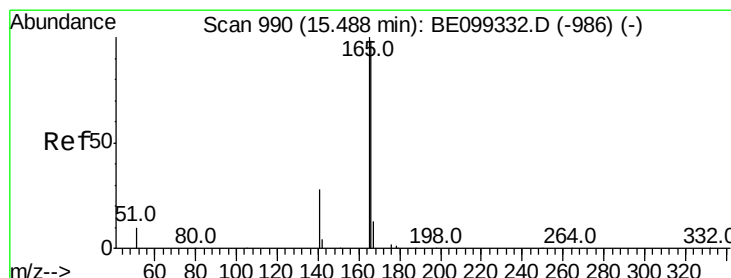
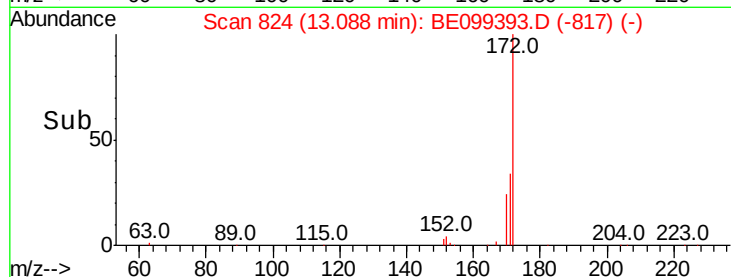
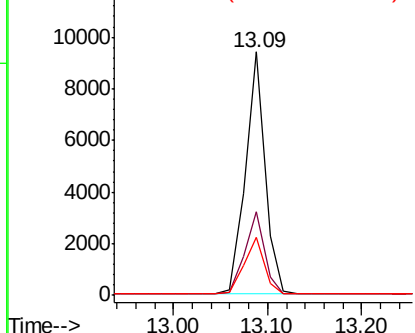


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#18
Fluorene
Concen: 0.023 ng
RT: 15.50 min Scan# 991
Delta R.T. 0.01 min
Lab File: BE099393.D
Acq: 27 Apr 2019 00:42

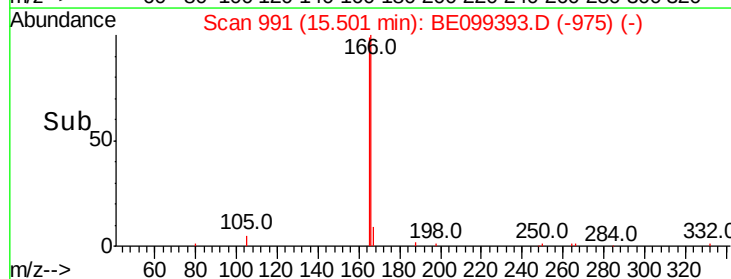
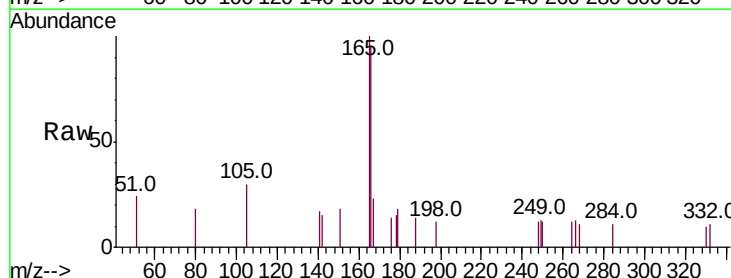
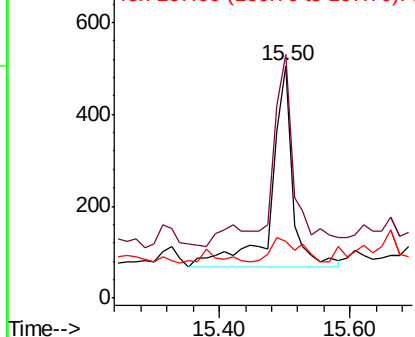
Tgt Ion	Ratio	Lower	Upper
166	100		
165	78.9	79.7	119.5#
167	17.4	11.0	16.4#

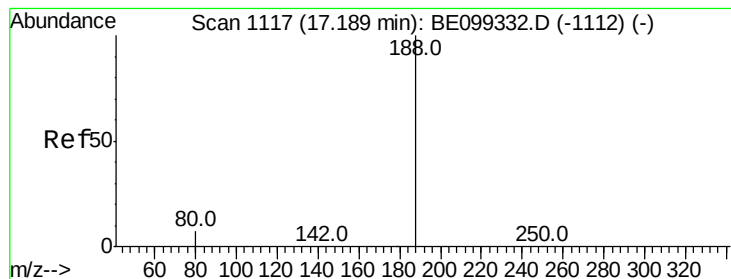
Abundance

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: BE099393.D

Acq: 27 Apr 2019 00:42

Instrument :

BNA_E

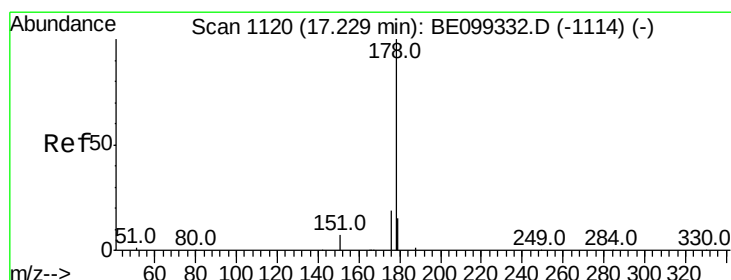
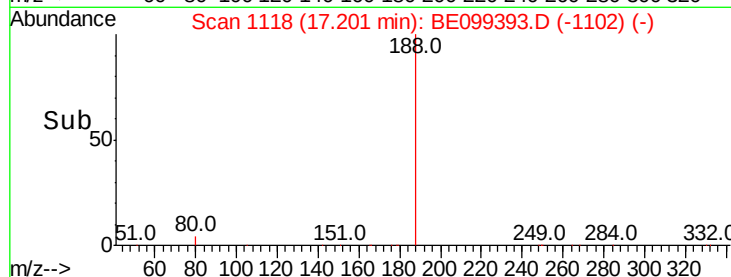
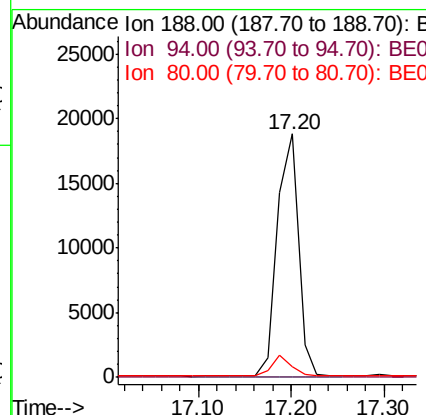
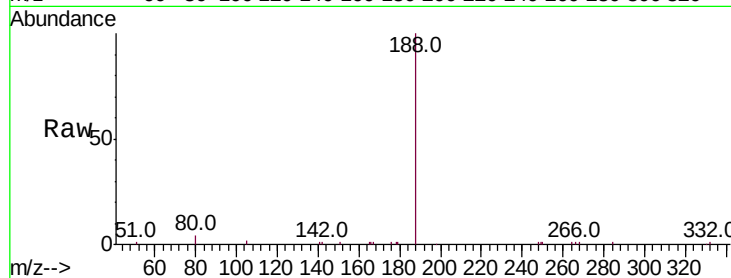
ClientSampleId :

EXT-028-SW023-042219

Tot Ion:	188	Resp:	29832
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	4.5	6.2	9.4#

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#23

Phenanthrene

Concen: 0.605 ng

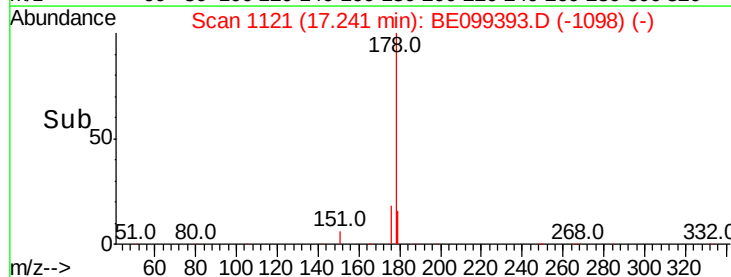
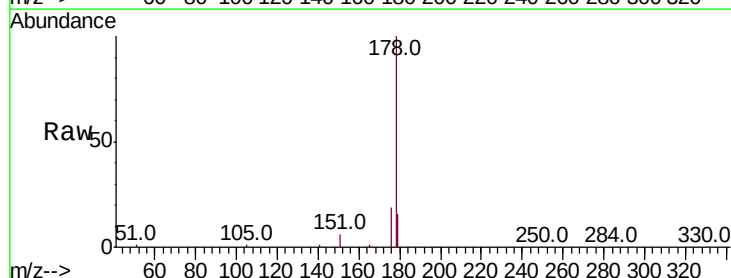
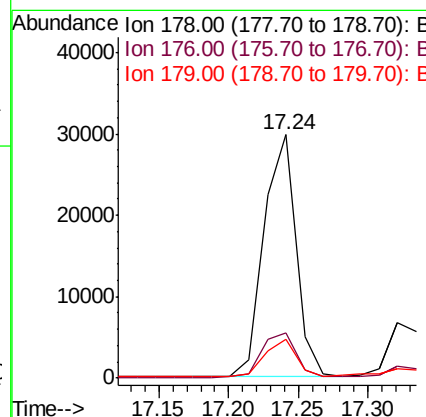
RT: 17.24 min Scan# 1121

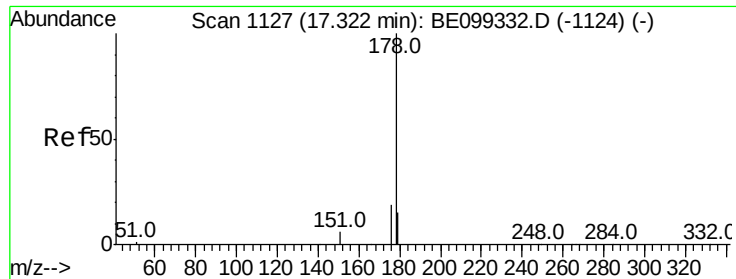
Delta R.T. 0.01 min

Lab File: BE099393.D

Acq: 27 Apr 2019 00:42

Tgt Ion:	178	Resp:	47815
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.3	22.9
179	15.6	12.4	18.6





#24

Anthracene

Concen: 0.156 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099393.D

Acq: 27 Apr 2019 00:42

Instrument :

BNA_E

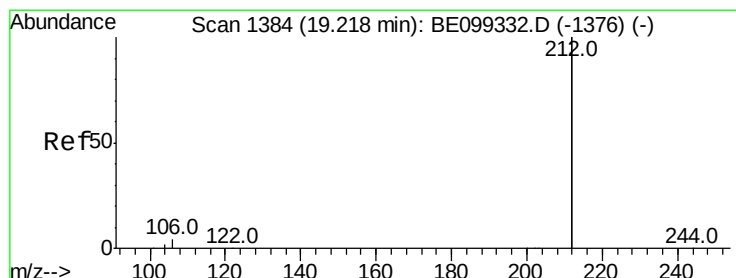
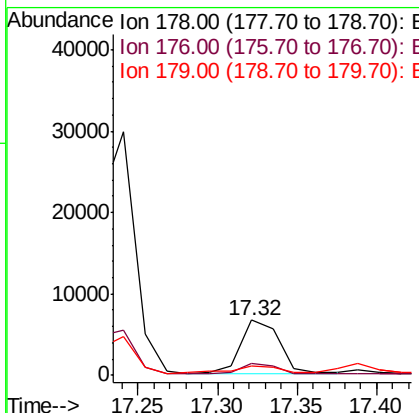
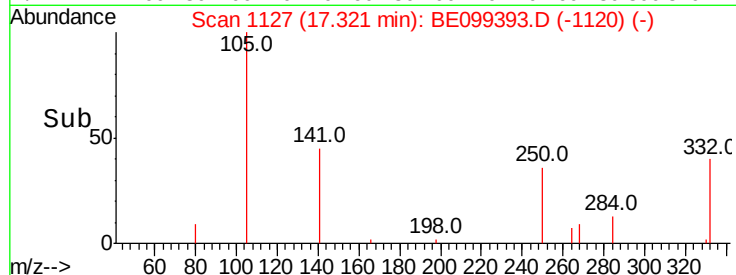
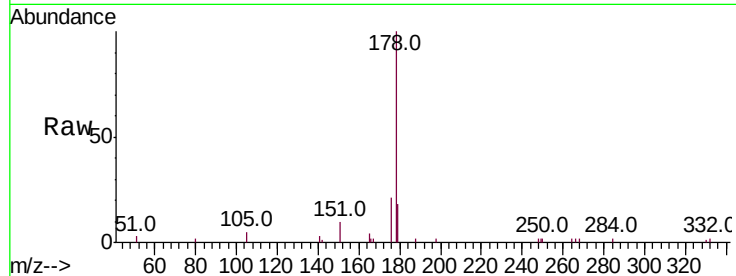
ClientSampleId :

EXT-028-SW023-042219

Tot Ion:	178	Resp:	10952
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.1	22.7
179	15.7	11.9	17.9

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#25

Fluoranthene-d10

Concen: 0.340 ng

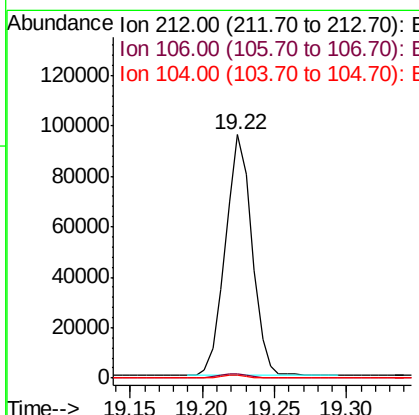
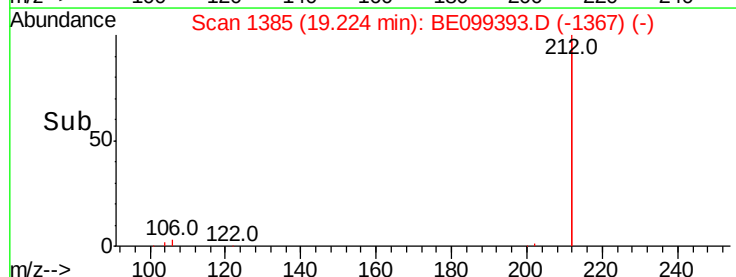
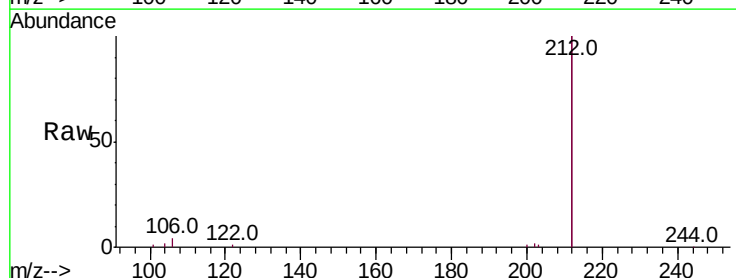
RT: 19.22 min Scan# 1385

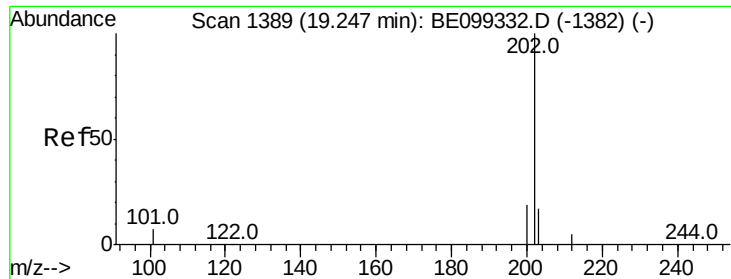
Delta R.T. 0.01 min

Lab File: BE099393.D

Acq: 27 Apr 2019 00:42

Tgt Ion:	212	Resp:	121717
Ion Ratio	Lower	Upper	
212	100		
106	1.8	1.8	2.6
104	1.1	1.0	1.4





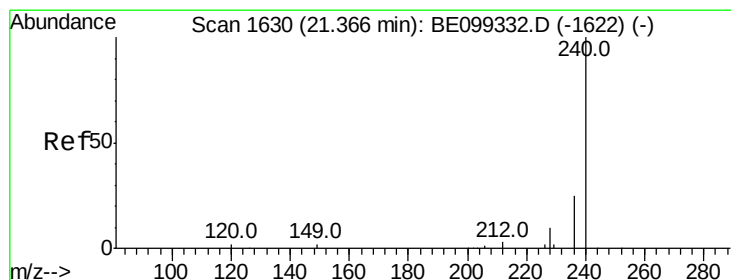
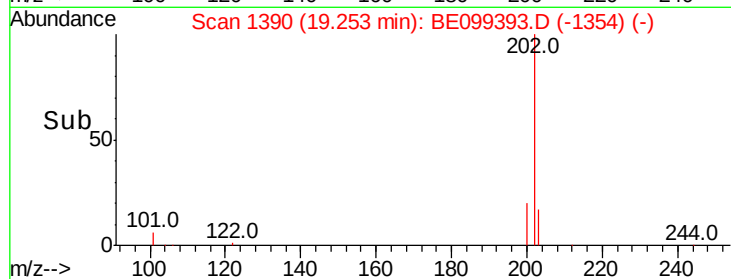
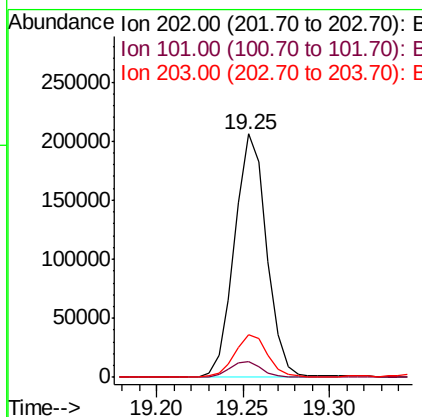
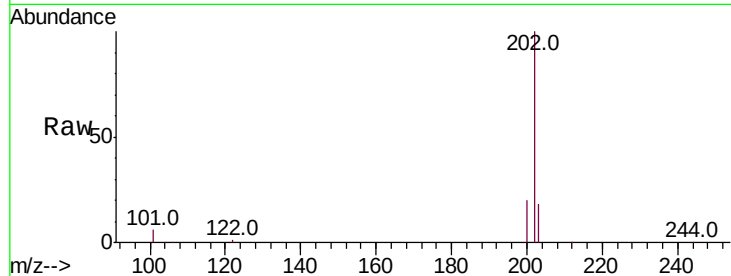
#26
Fluoranthene
Concen: 2.501 ng
RT: 19.25 min Scan# 1390
Delta R.T. 0.01 min
Lab File: BE099393.D
Acq: 27 Apr 2019 00:42

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW023-042219

Tot Ion	Ratio	Resp	Lower	Upper
202	100	264492		
101	6.3		6.4	9.6#
203	17.5		13.5	20.3

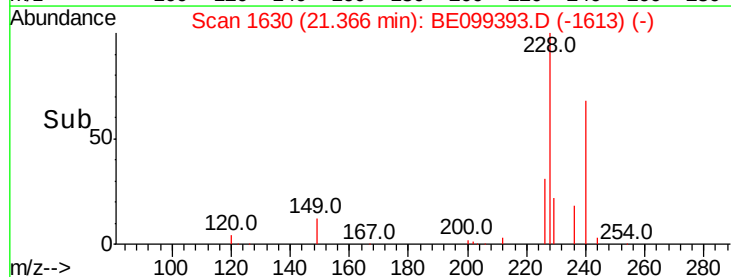
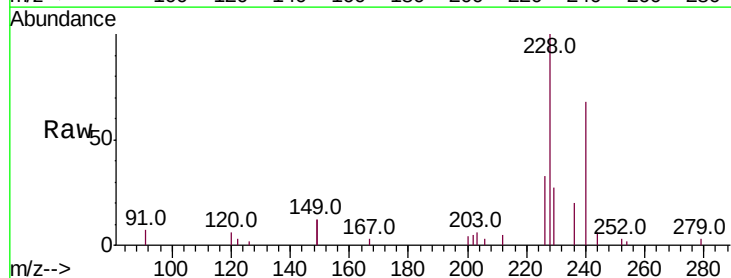
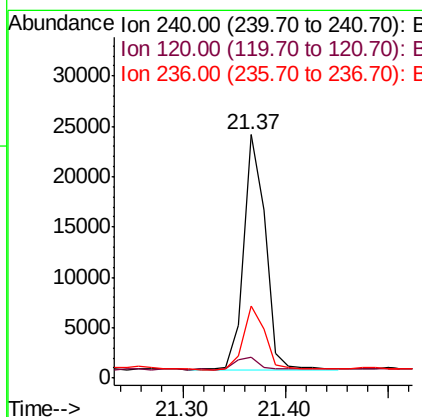
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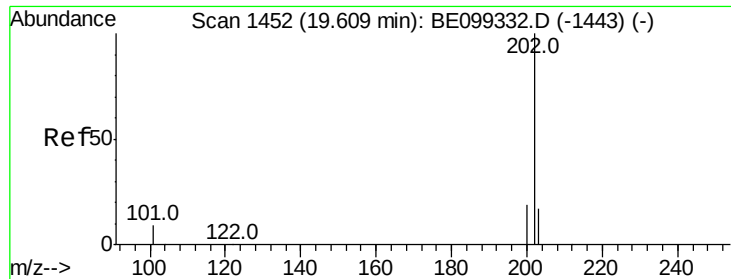
Sohil
4/29/2019 1:31:56 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099393.D
Acq: 27 Apr 2019 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	33600		
120	8.6		2.2	3.2#
236	29.6		20.2	30.4





#28

Pvrene

Concen: 2.283 ng

RT: 19.61 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BE099393.D

Acq: 27 Apr 2019 00:42

Instrument :

BNA_E

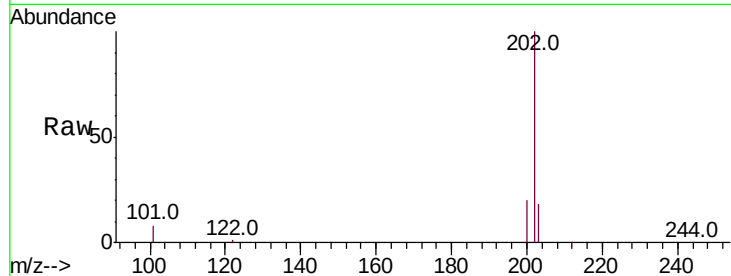
ClientSampleId :

EXT-028-SW023-042219

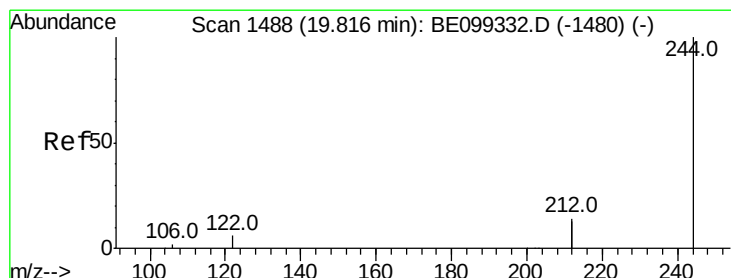
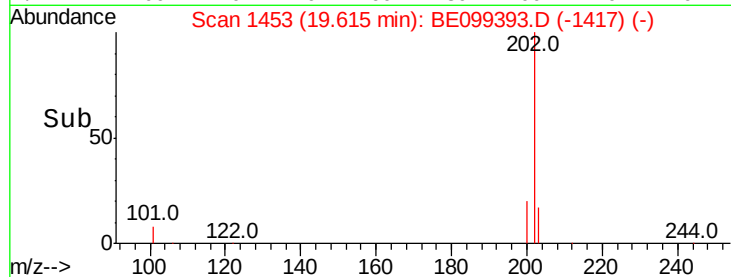
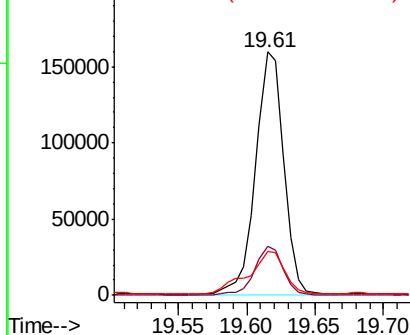
Tot Ion:	202	Resp:	225946
Ion Ratio	Lower	Upper	
202	100		
200	20.0	15.7	23.5
203	23.0	13.7	20.5#

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.314 ng

RT: 19.82 min Scan# 1488

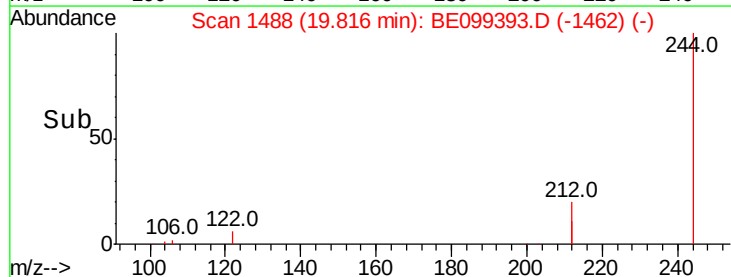
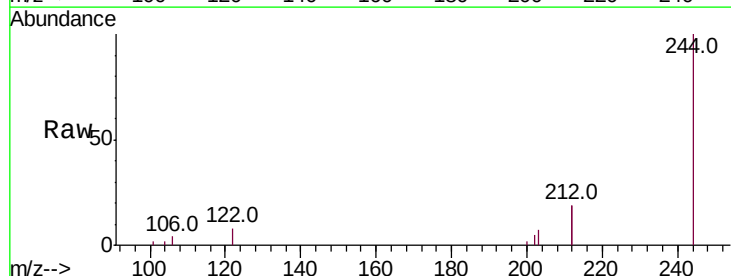
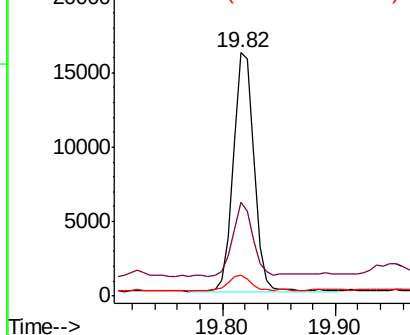
Delta R.T. 0.00 min

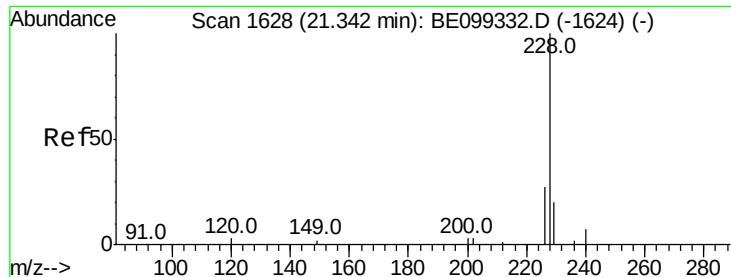
Lab File: BE099393.D

Acq: 27 Apr 2019 00:42

Tgt Ion:	244	Resp:	20785
Ion Ratio	Lower	Upper	
244	100		
212	38.5	22.6	33.8#
122	8.4	4.6	7.0#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





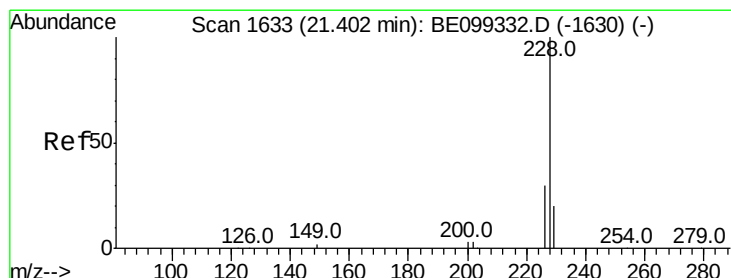
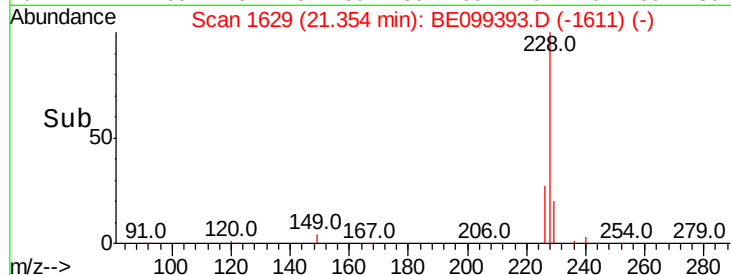
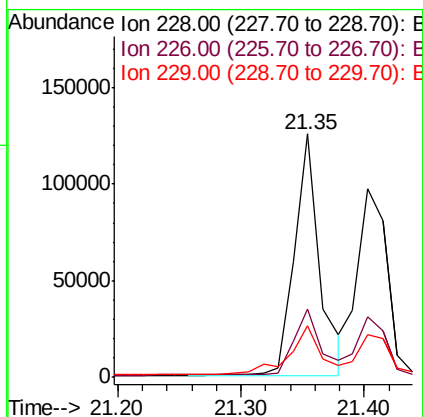
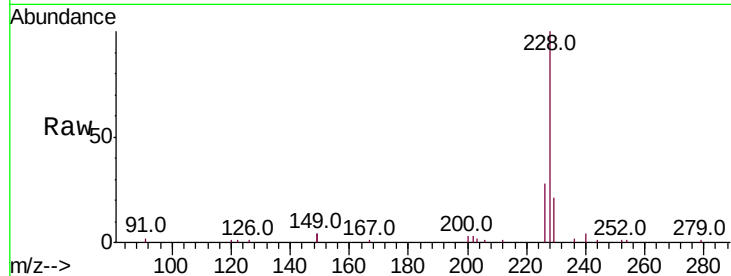
#30
Benzo(a)anthracene
Concen: 1.803 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE099393.D
Acq: 27 Apr 2019 00:42

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW023-042219

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.0	33.0
229	21.3	15.8	23.8

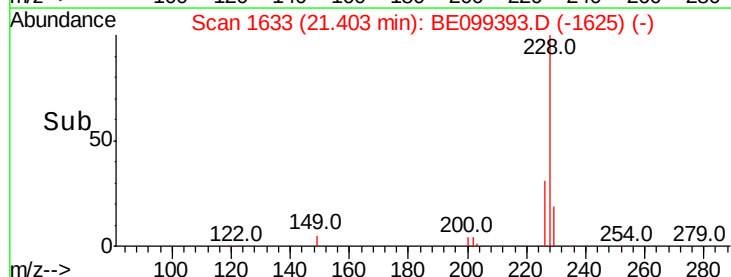
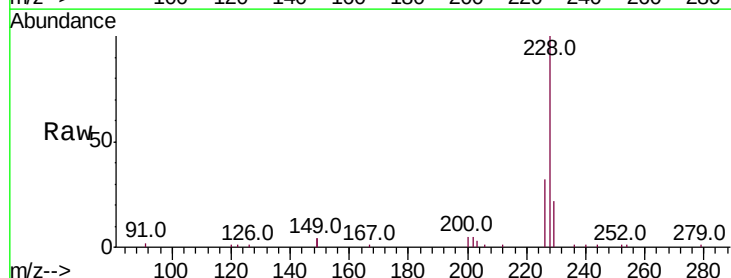
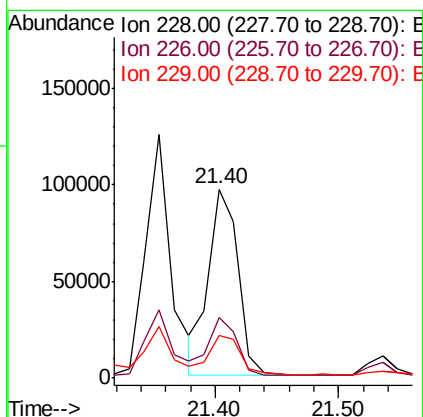
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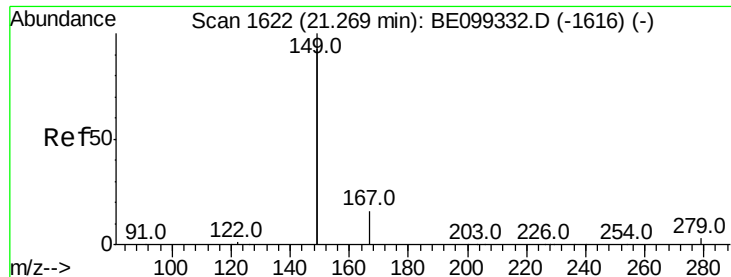
Sohil
4/29/2019 1:31:56 PM



#31
Chrysene
Concen: 1.540 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099393.D
Acq: 27 Apr 2019 00:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	23.4	35.2
229	22.3	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.849 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099393.D

Acq: 27 Apr 2019 00:42

Instrument :

BNA_E

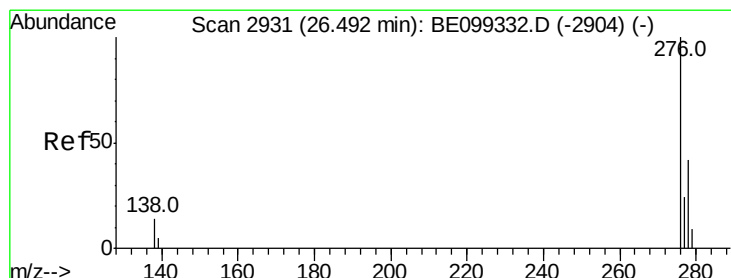
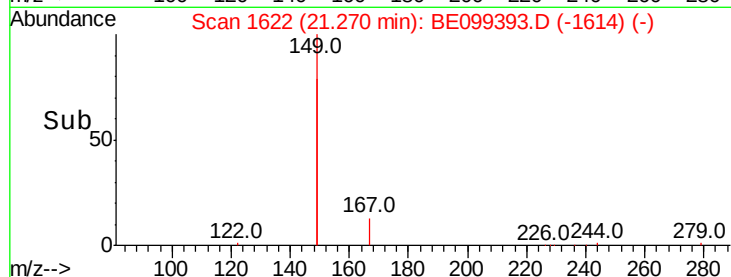
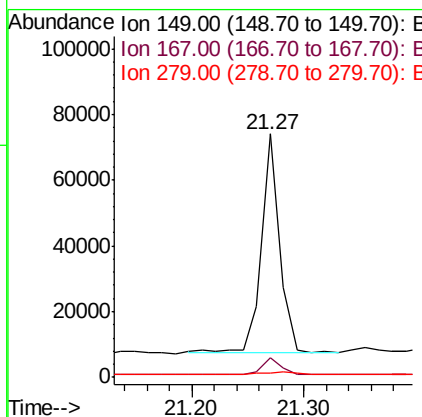
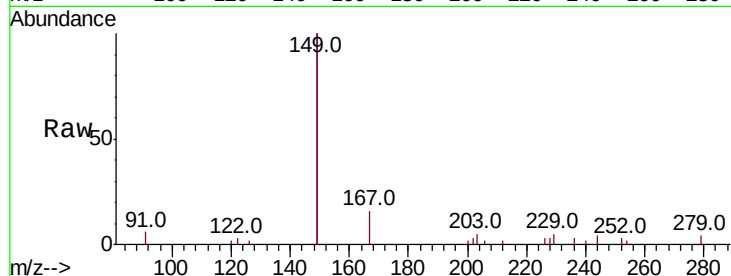
ClientSampleId :

EXT-028-SW023-042219

Tot Ion:	149	Resp:	76335
Ion Ratio	Lower	Upper	
149	100		
167	7.6	6.0	9.0
279	1.6	1.1	1.7

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4/29/2019 1:31:56 PM



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.690 ng

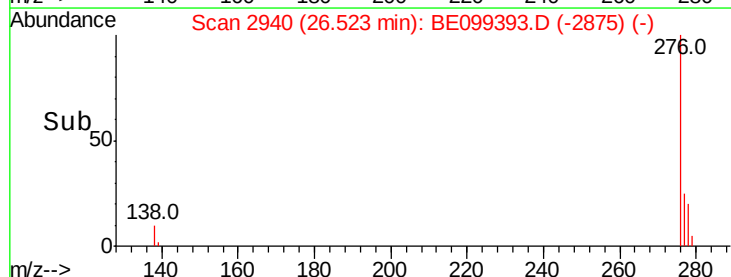
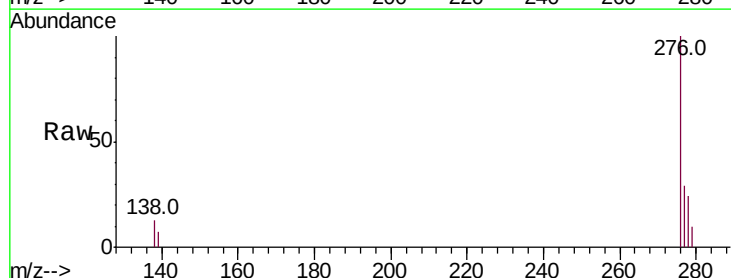
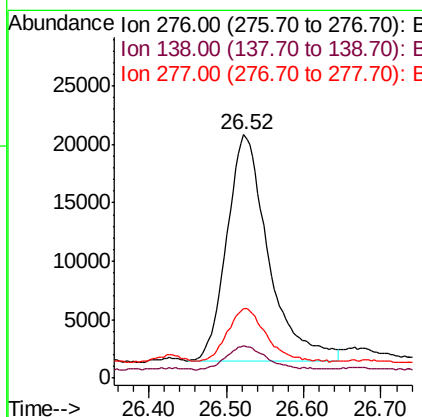
RT: 26.52 min Scan# 2940

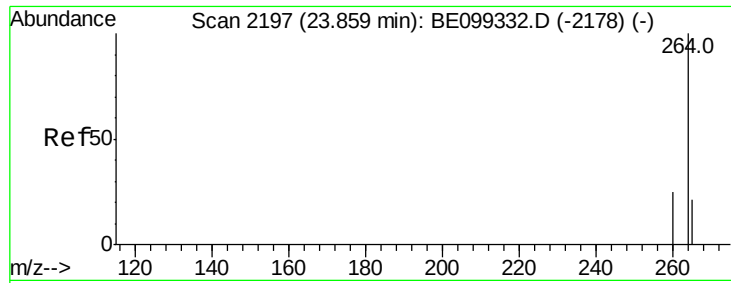
Delta R.T. 0.03 min

Lab File: BE099393.D

Acq: 27 Apr 2019 00:42

Tgt Ion:	276	Resp:	71676
Ion Ratio	Lower	Upper	
276	100		
138	9.8	12.7	19.1#
277	21.7	19.6	29.4





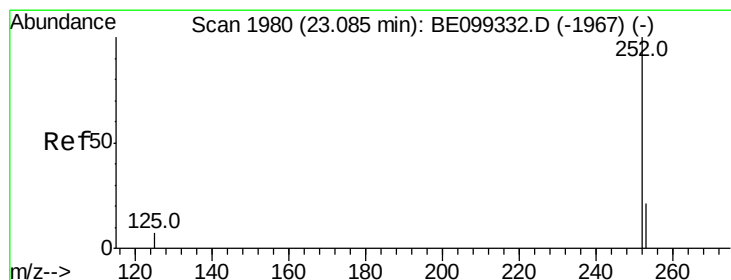
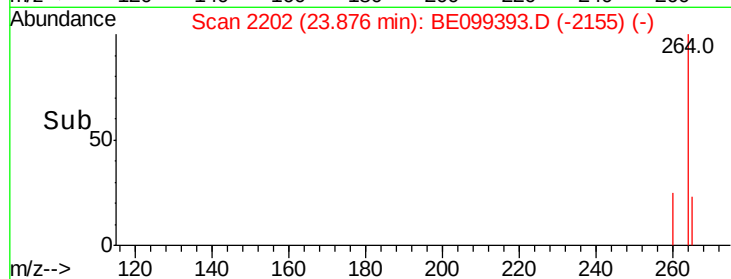
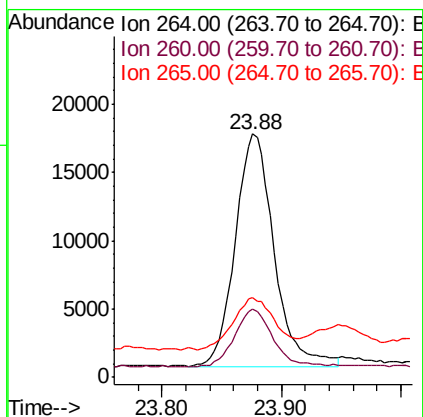
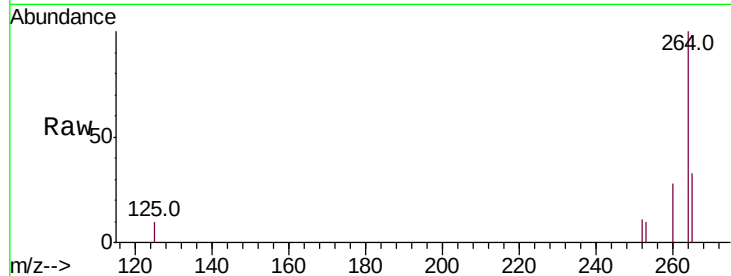
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2202
Delta R.T. 0.02 min
Lab File: BE099393.D
Acq: 27 Apr 2019 00:42

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW023-042219

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.2	20.1	30.1
265	32.6	19.9	29.9

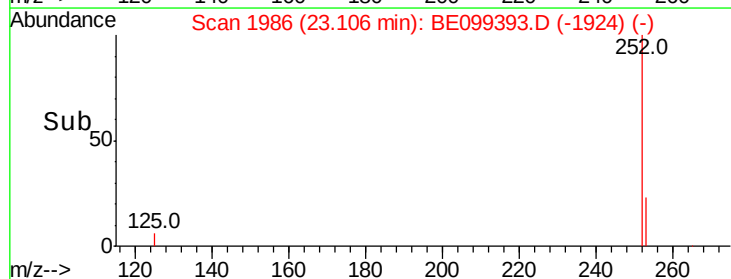
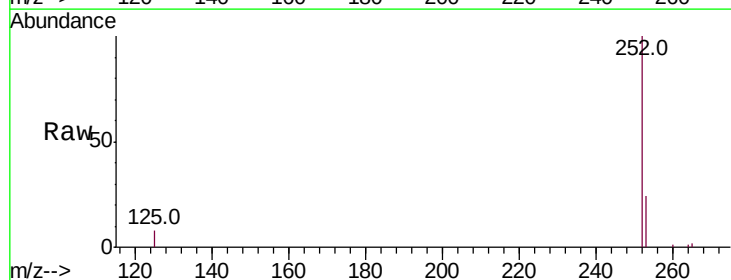
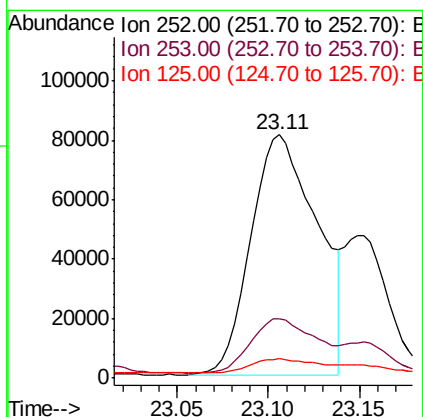
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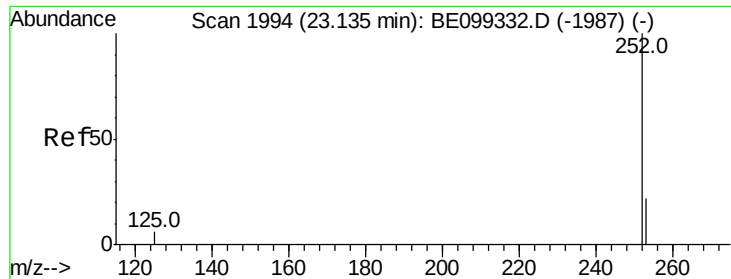
Sohil
4/29/2019 1:31:56 PM



#35
Benzo(b)fluoranthene
Concen: 1.750 ng
RT: 23.11 min Scan# 1986
Delta R.T. 0.02 min
Lab File: BE099393.D
Acq: 27 Apr 2019 00:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.3	25.9
125	7.8	5.8	8.6





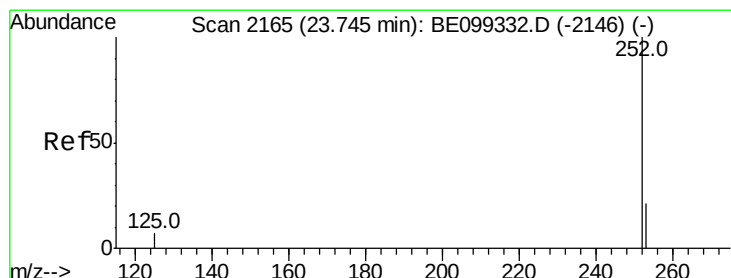
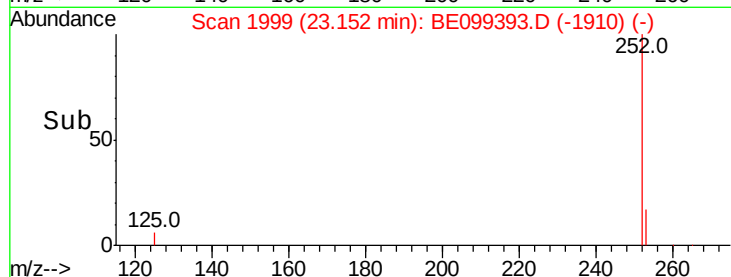
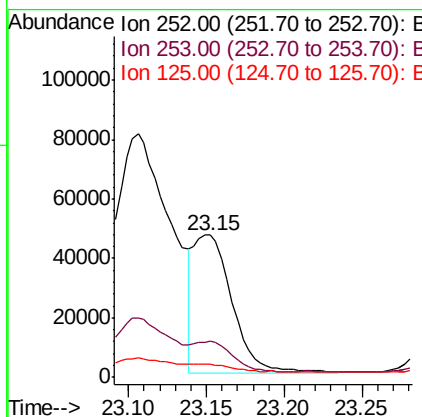
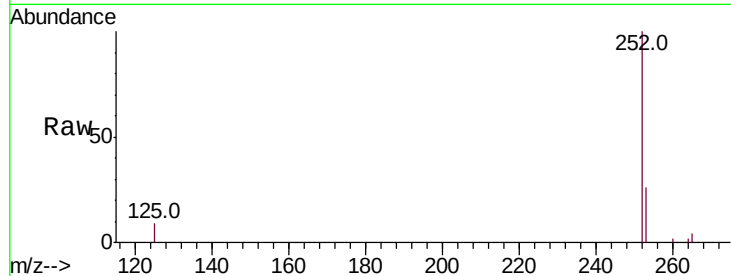
#36
Benzo(k)fluoranthene
Concen: 0.697 ng m
RT: 23.15 min Scan# 1999
Delta R.T. 0.02 min
Lab File: BE099393.D
Acq: 27 Apr 2019 00:42

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW023-042219

Tot Ion:252 Resp: 81732
Ion Ratio Lower Upper
252 100
253 25.7 18.4 27.6
125 9.2 5.4 8.0#

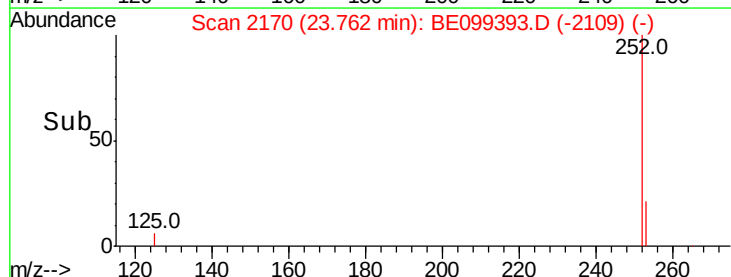
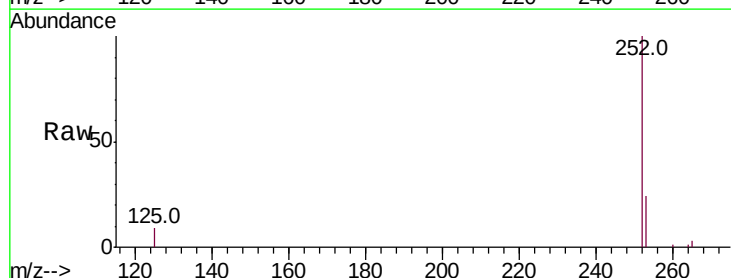
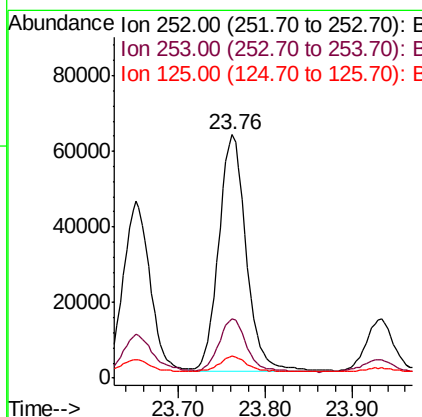
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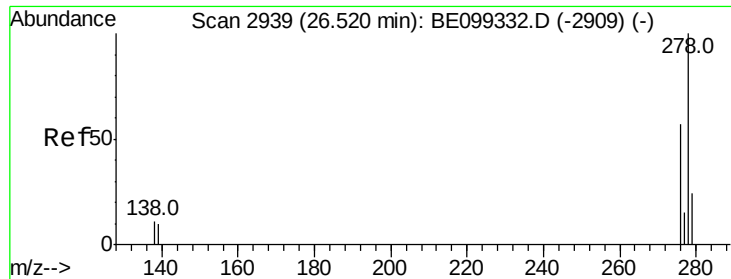
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#37
Benzo(a)pyrene
Concen: 1.292 ng
RT: 23.76 min Scan# 2170
Delta R.T. 0.02 min
Lab File: BE099393.D
Acq: 27 Apr 2019 00:42

Tgt Ion:252 Resp: 136129
Ion Ratio Lower Upper
252 100
253 24.3 17.6 26.4
125 8.9 6.5 9.7





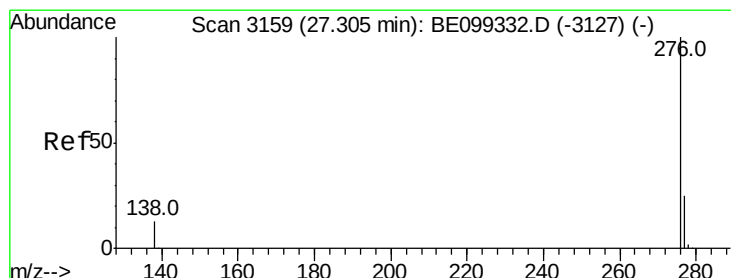
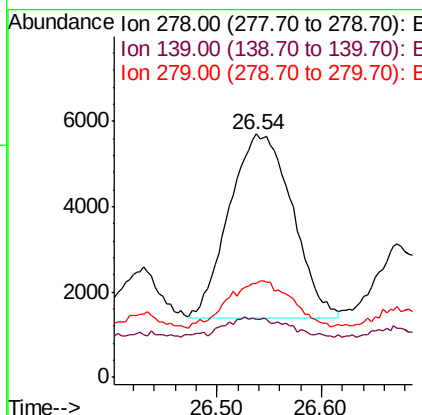
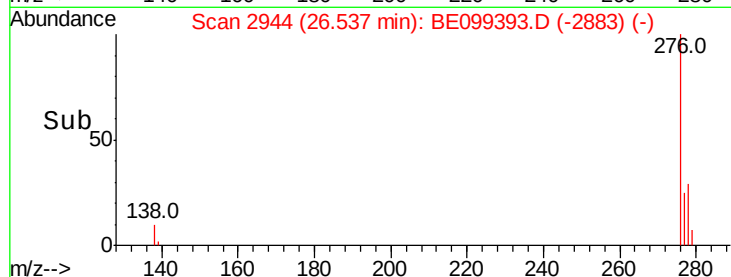
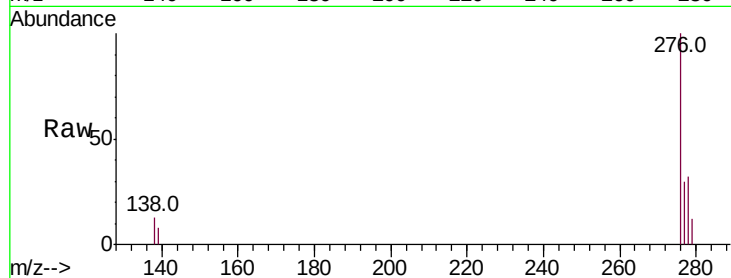
#38
Dibenzo(a,h)anthracene
Concen: 0.167 ng
RT: 26.54 min Scan# 2944
Delta R.T. 0.02 min
Lab File: BE099393.D
Acq: 27 Apr 2019 00:42

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW023-042219

Tot Ion:278 Resp: 17982
Ion Ratio Lower Upper
278 100
139 24.0 8.5 12.7#
279 38.3 19.8 29.8#

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4/29/2019 1:31:56 PM



#39
Benzo(g,h,i)perylene
Concen: 0.567 ng
RT: 27.35 min Scan# 3171
Delta R.T. 0.04 min
Lab File: BE099393.D
Acq: 27 Apr 2019 00:42

Tgt Ion:276 Resp: 61863
Ion Ratio Lower Upper
276 100
277 29.2 20.0 30.0
138 13.8 11.1 16.7

