

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042519\
 Data File : BE099361.D
 Acq On : 25 Apr 2019 15:02
 Operator : JU/SJ
 Sample : K2534-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-073-SW067-042219

Manual Integrations
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Sohil
 4/29/2019 2:29:37 AM

Quant Time: Apr 26 02:04:59 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	4256	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	17104	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	11937	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	31722	0.40	ng	0.00
27) Chrysene-d12	21.37	240	35389	0.40	ng	0.00
34) Perylene-d12	23.86	264	39789	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	3152	0.30	ng	0.01
5) Phenol-d6	6.98	99	4807	0.32	ng	0.00
8) Nitrobenzene-d5	8.96	82	3769	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	7099	0.24	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2145	0.54	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	10764	0.23	ng	0.00
25) Fluoranthene-d10	19.22	212	83373	0.22	ng	0.00
29) Terphenyl-d14	19.82	244	16513	0.24	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.23	178	10703	0.127	ng	98
24) Anthracene	17.32	178	2215	0.030	ng	# 90
26) Fluoranthene	19.25	202	22572	0.201	ng	99
28) Pyrene	19.61	202	19912	0.191	ng	# 95
30) Benzo(a)anthracene	21.34	228	13502	0.130	ng	# 87
31) Chrysene	21.40	228	12354	0.112	ng	# 85
32) Bis(2-ethylhexyl)phthalate	21.27	149	34414	0.364	ng	100
33) Indeno(1,2,3-cd)pyrene	26.51	276	7386	0.068	ng	# 92
35) Benzo(b)fluoranthene	23.10	252	14725	0.121	ng	# 61
36) Benzo(k)fluoranthene	23.14	252	6107m	0.050	ng	
37) Benzo(a)pyrene	23.75	252	10471	0.096	ng	# 64
39) Benzo(a,h,i)perylene	27.32	276	6273	0.055	ng	# 72

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

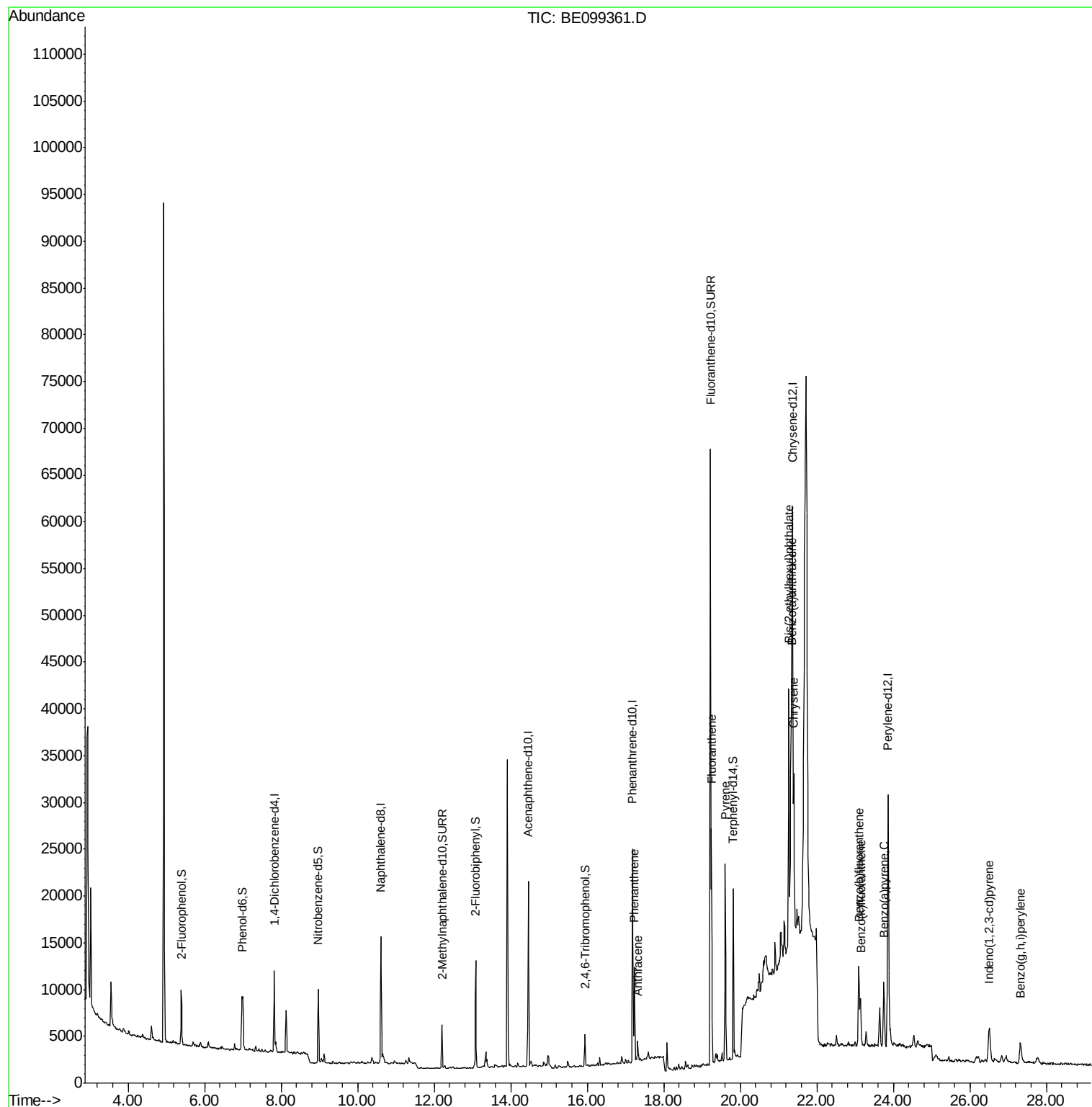
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042519\
Data File : BE099361.D
Acq On : 25 Apr 2019 15:02
Operator : JU/SJ
Sample : K2534-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

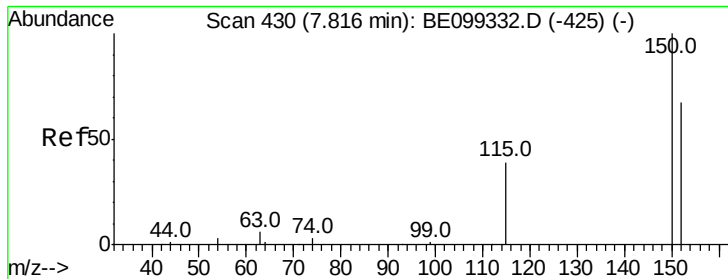
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
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#1

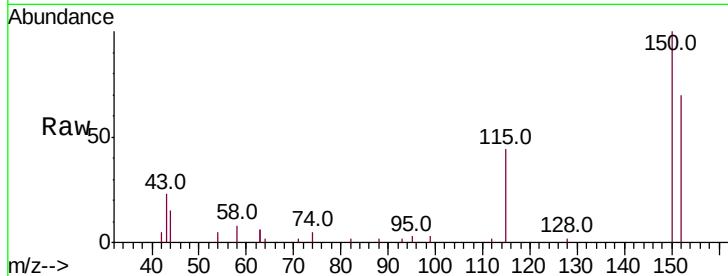
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099361.D
Acq: 25 Apr 2019 15:02

Instrument :
BNA_E
ClientSampleId :
EXT-073-SW067-042219

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.5	119.5	179.3
115	62.7	47.5	71.3

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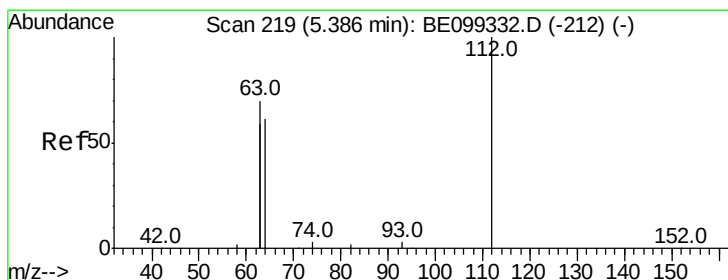
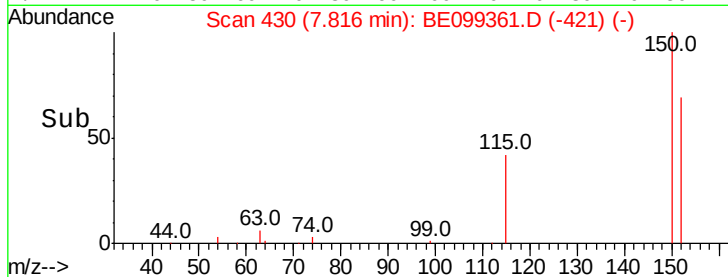
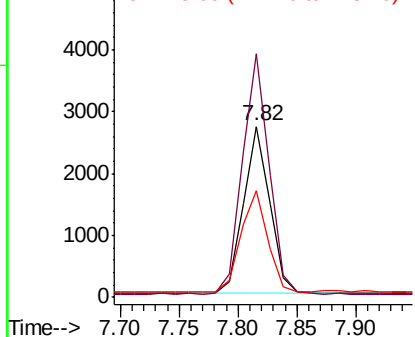


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

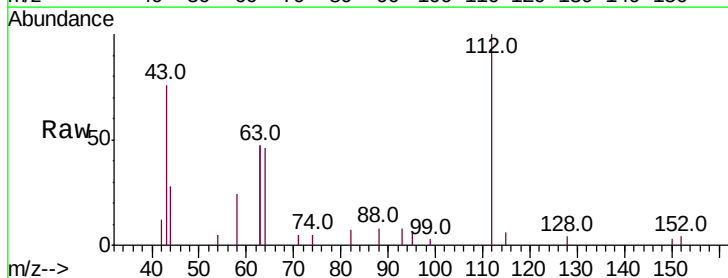
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.303 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE099361.D
Acq: 25 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	44.9	67.3
63	125.7	97.4	146.0

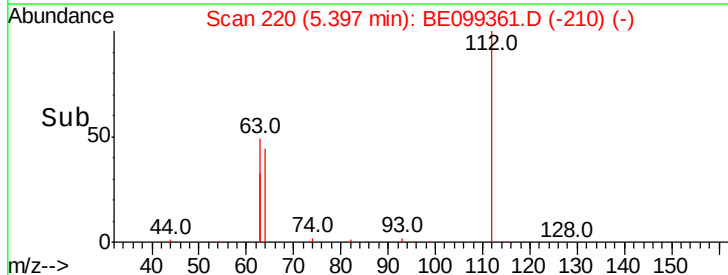
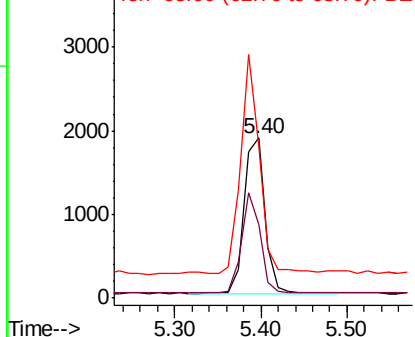


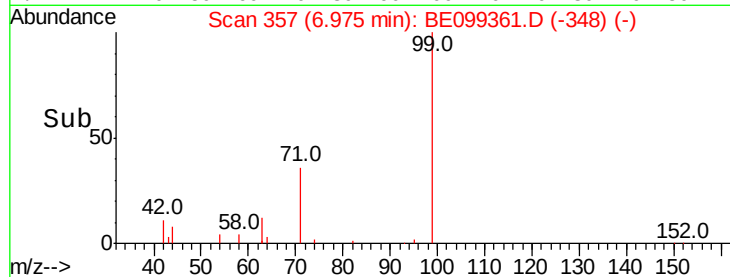
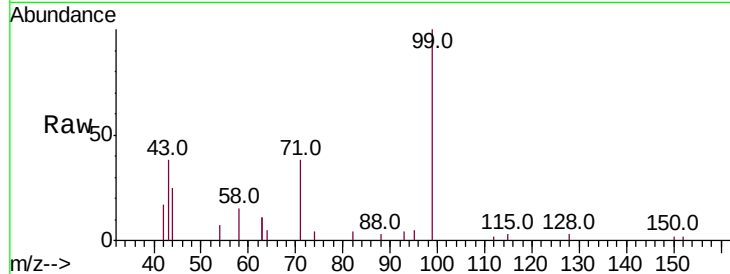
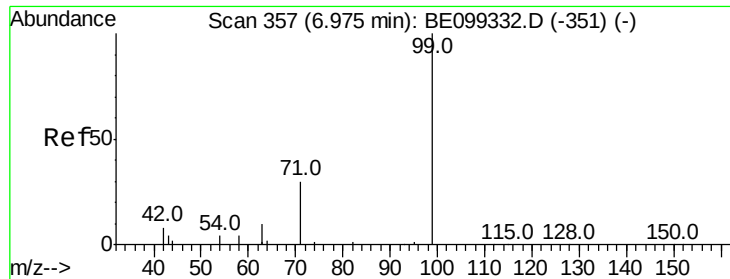
Abundance

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: 0.324 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099361.D

Acq: 25 Apr 2019 15:02

Tot Ion:	99	Resp:	4807
Ion Ratio	Lower	Upper	
99	100		
42	20.6	11.7	17.5#
71	42.2	29.6	44.4

Instrument :

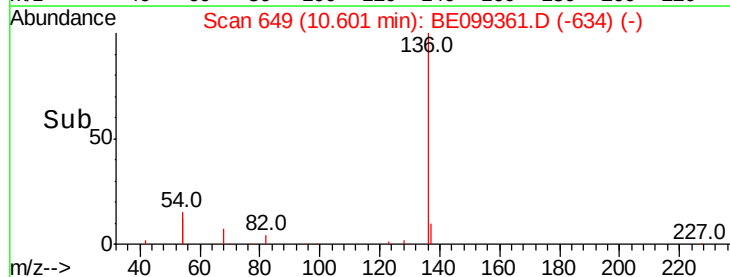
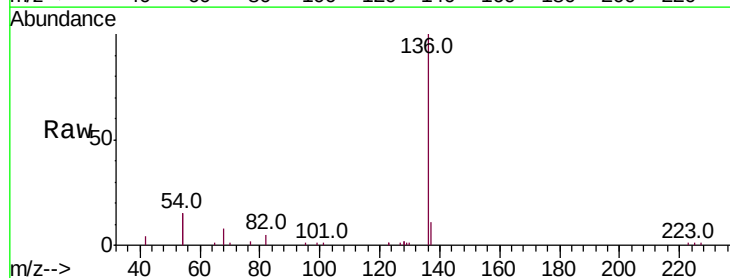
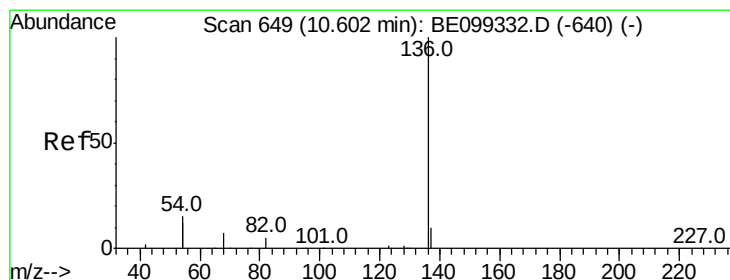
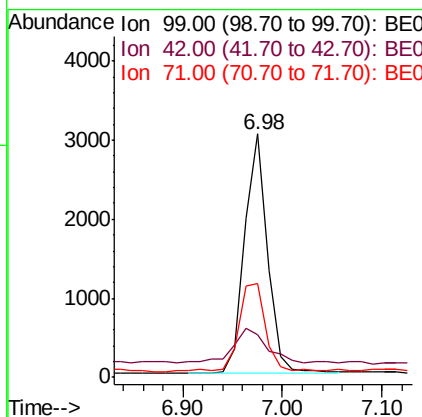
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ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

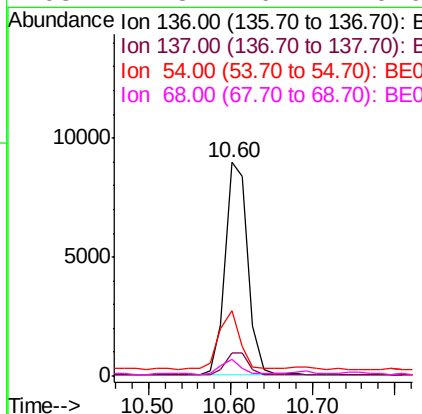
RT: 10.60 min Scan# 649

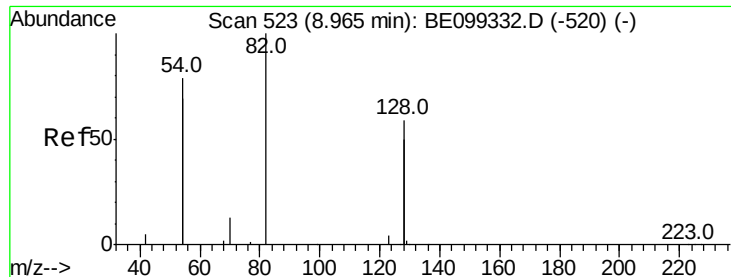
Delta R.T. -0.00 min

Lab File: BE099361.D

Acq: 25 Apr 2019 15:02

Tgt Ion:	136	Resp:	17104
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.7	13.1
54	30.4	23.8	35.8
68	7.8	6.4	9.6





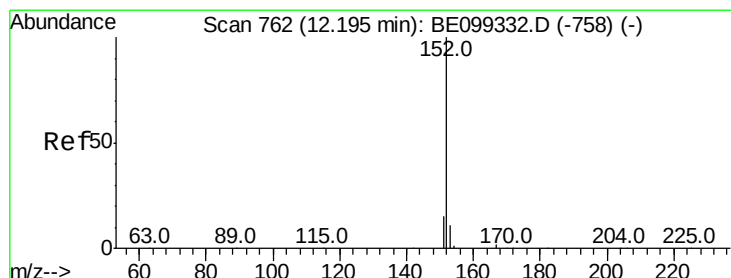
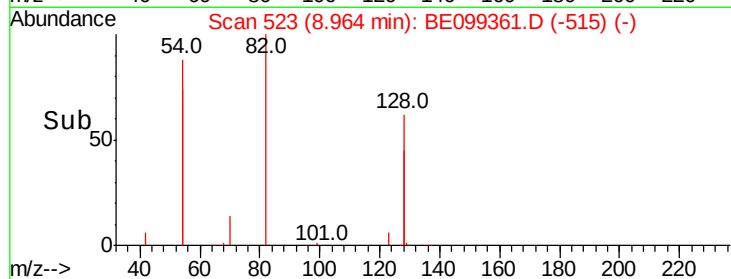
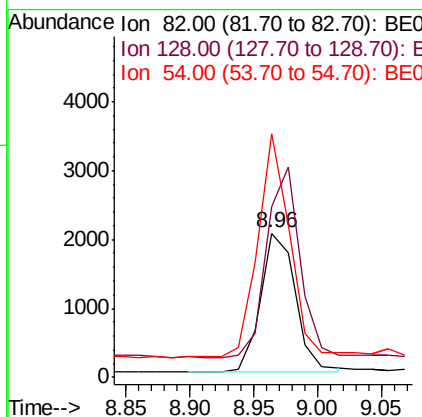
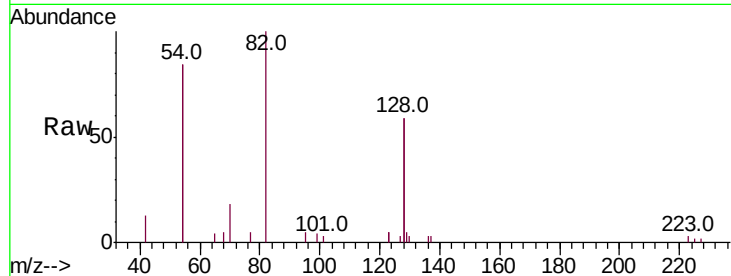
#8
 Nitrobenzene-d5
 Concen: 0.284 ng
 RT: 8.96 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BE099361.D
 Acq: 25 Apr 2019 15:02

Instrument :
 BNA_E
 ClientSampleId :
 EXT-073-SW067-042219

Tot Ion	Ratio	Lower	Upper
82	100		
128	118.2	91.7	137.5
54	168.8	122.8	184.2

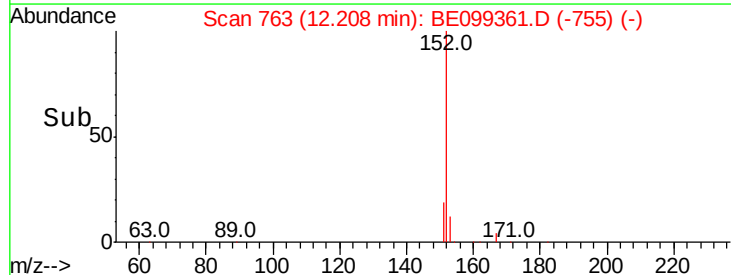
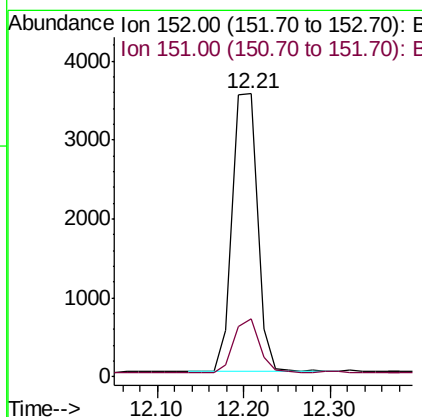
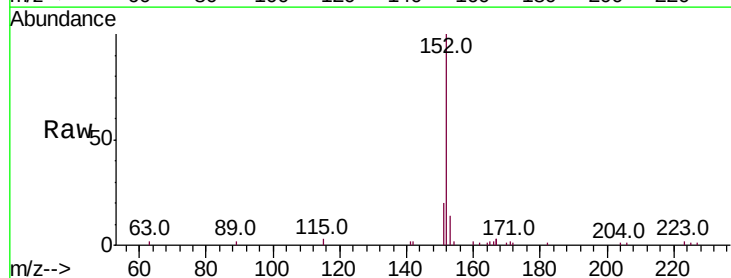
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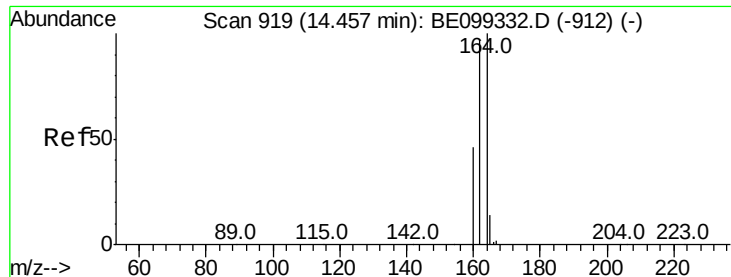
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#11
 2-Methylnaphthalene-d10
 Concen: 0.235 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099361.D
 Acq: 25 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	14.9	22.3





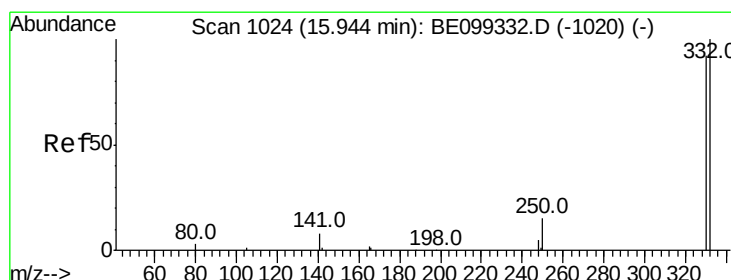
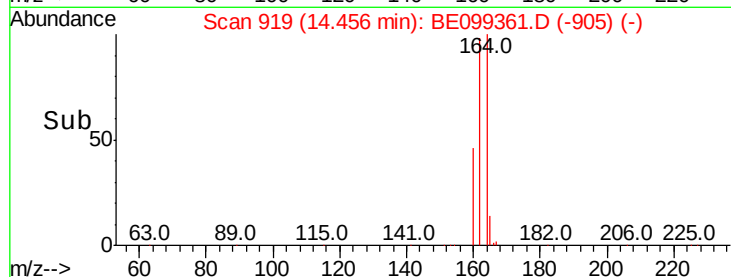
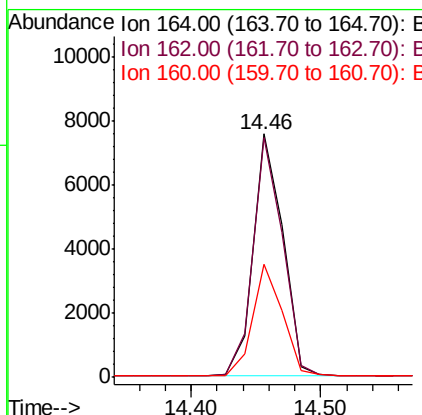
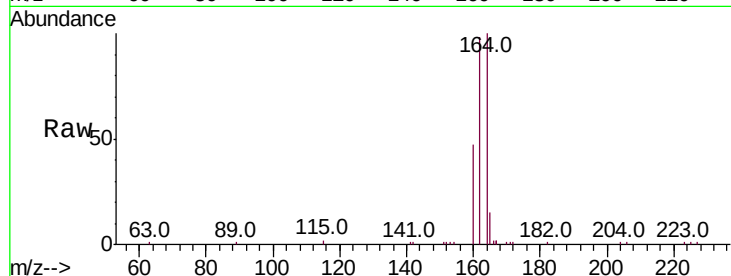
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BE099361.D
 Acq: 25 Apr 2019 15:02

Instrument :
 BNA_E
 ClientSampleId :
 EXT-073-SW067-042219

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.5	77.8	116.6
160	46.6	37.1	55.7

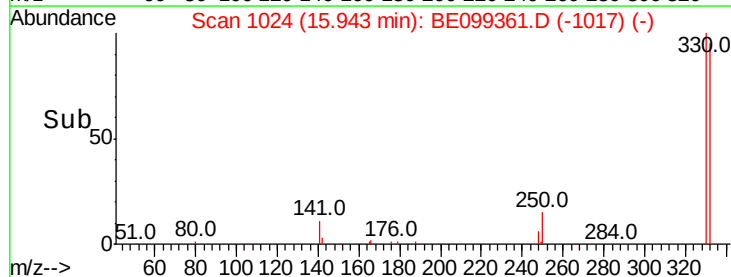
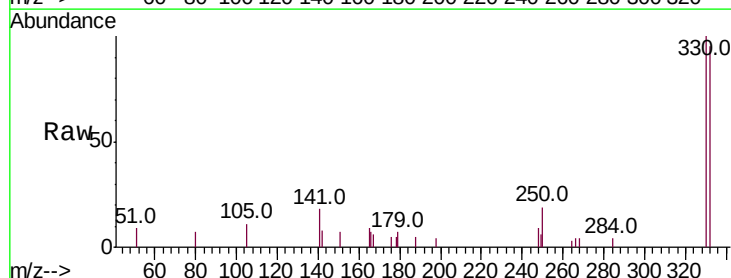
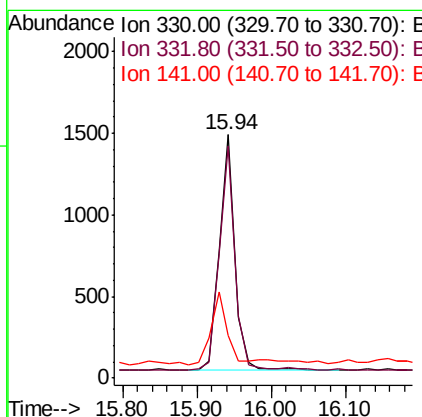
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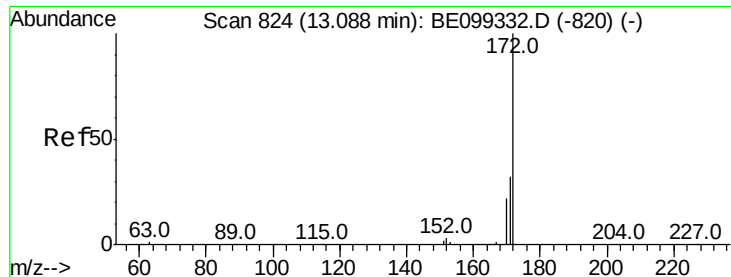
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#14
 2,4,6-Tribromophenol
 Concen: 0.541 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE099361.D
 Acq: 25 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	82.5	123.7
141	31.7	24.9	37.3





#15

2-Fluorobiphenyl

Concen: 0.229 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE099361.D

Acq: 25 Apr 2019 15:02

Instrument :

BNA_E

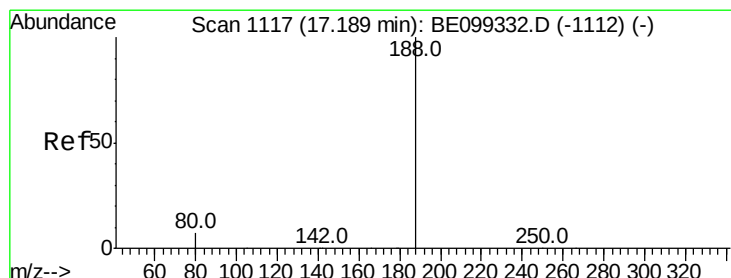
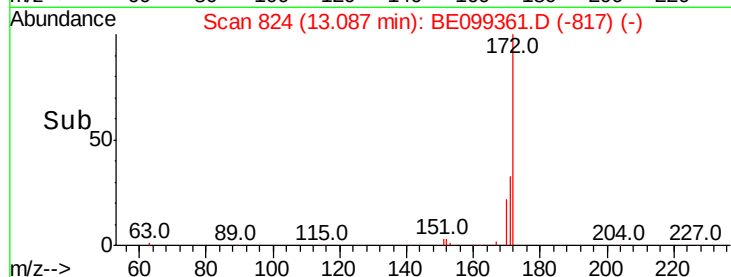
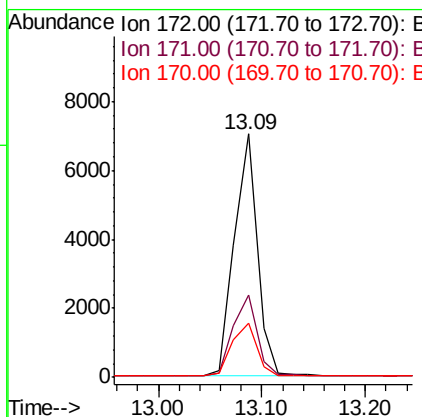
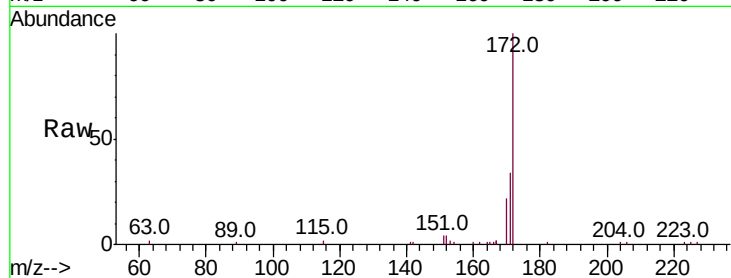
ClientSampleId :

EXT-073-SW067-042219

Tot Ion:	172	Resp:	10764
Ion Ratio	Lower	Upper	
172	100		
171	34.1	26.2	39.2
170	22.3	18.1	27.1

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#19

Phenanthrene-d10

Concen: 0.400 ng

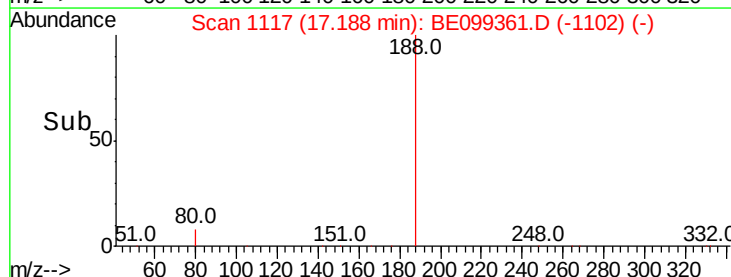
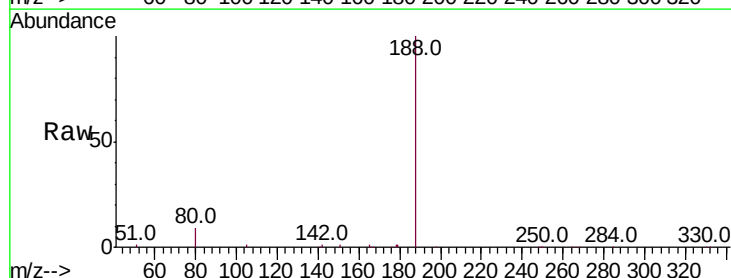
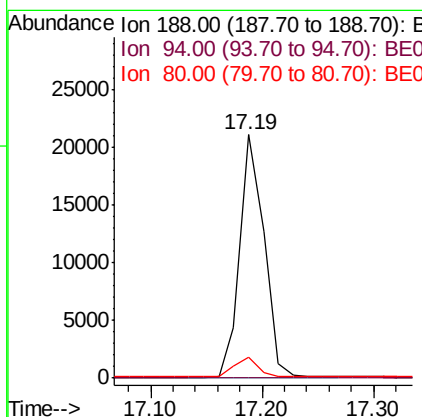
RT: 17.19 min Scan# 1117

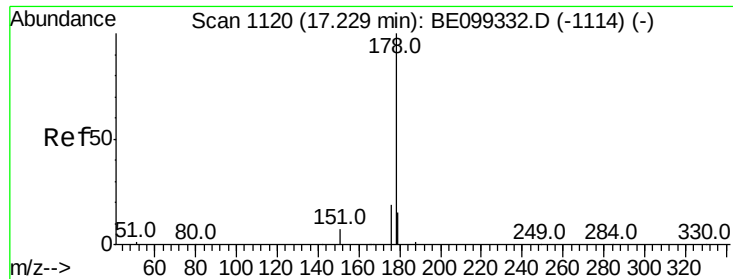
Delta R.T. -0.00 min

Lab File: BE099361.D

Acq: 25 Apr 2019 15:02

Tgt Ion:	188	Resp:	31722
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.5	6.2	9.4





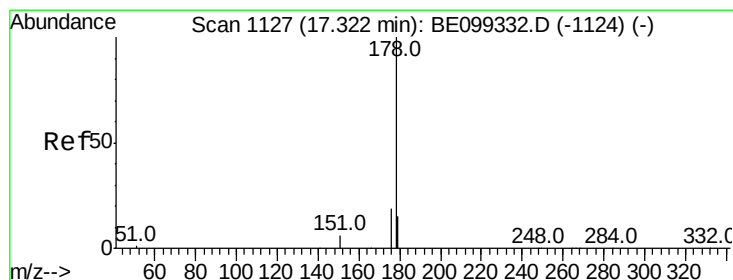
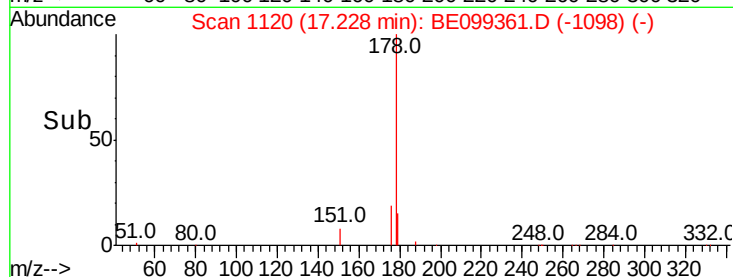
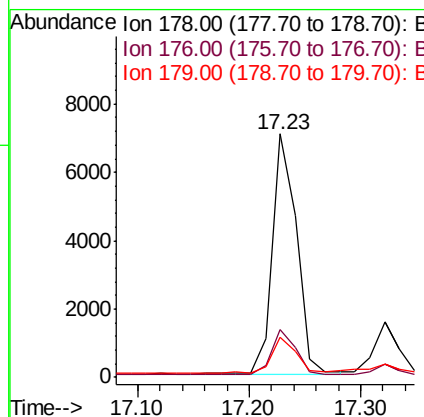
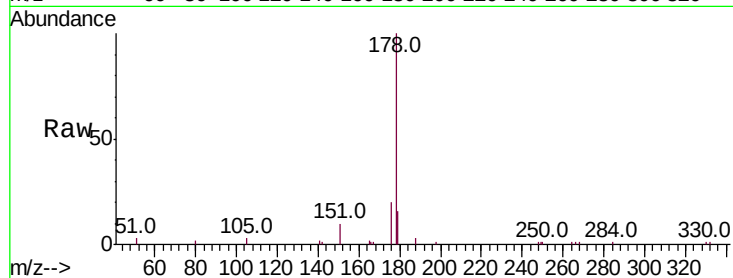
#23
Phenanthrene
Concen: 0.127 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099361.D
Acq: 25 Apr 2019 15:02

Instrument :
BNA_E
ClientSampleId :
EXT-073-SW067-042219

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.3	22.9
179	14.7	12.4	18.6

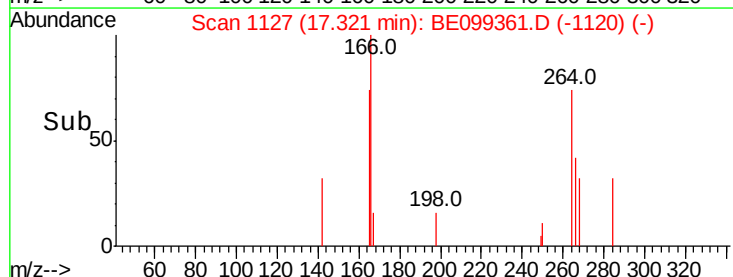
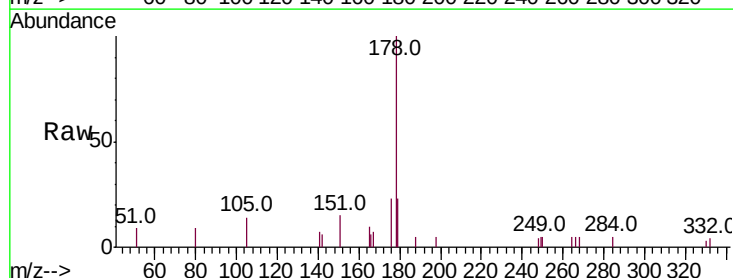
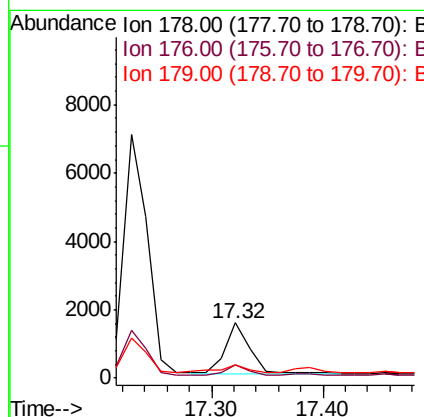
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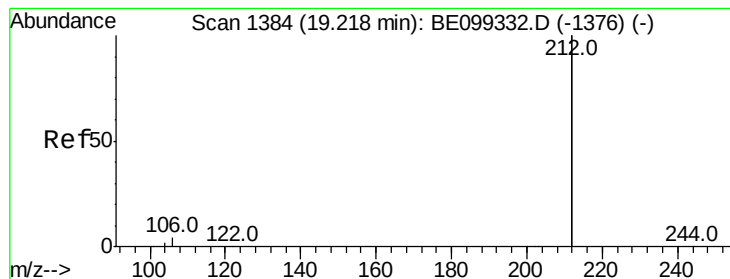
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#24
Anthracene
Concen: 0.030 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BE099361.D
Acq: 25 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.0	15.1	22.7
179	21.0	11.9	17.9#





#25

Fluoranthene-d10

Concen: 0.219 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099361.D

Acq: 25 Apr 2019 15:02

Instrument :

BNA_E

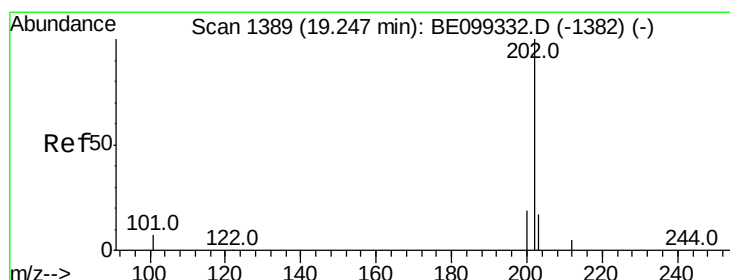
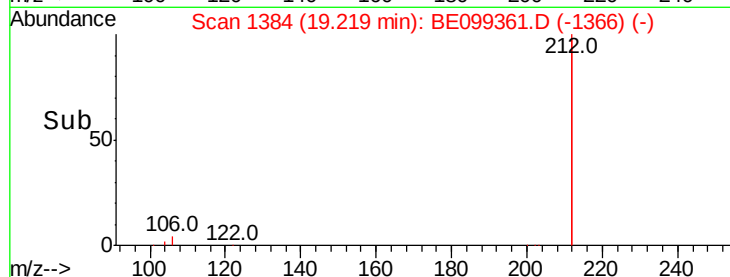
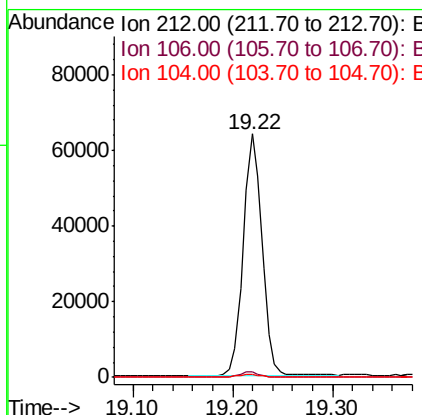
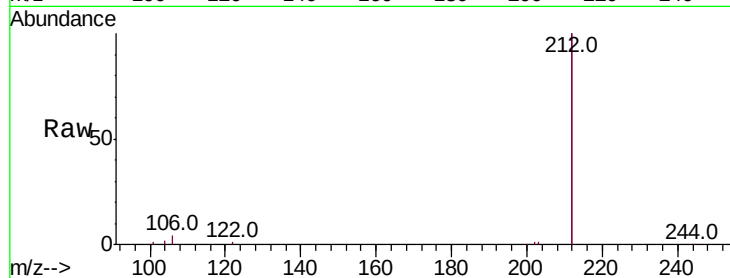
ClientSampleId :

EXT-073-SW067-042219

Tot Ion:	212	Resp:	83373
Ion Ratio	Lower	Upper	
212	100		
106	2.0	1.8	2.6
104	1.2	1.0	1.4

Manual Integrations
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#26

Fluoranthene

Concen: 0.201 ng

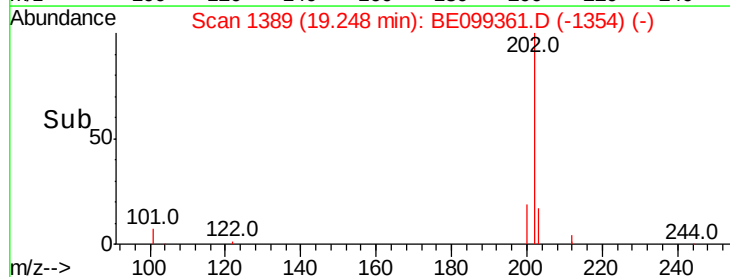
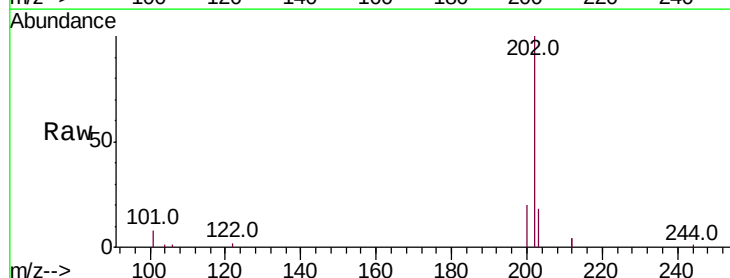
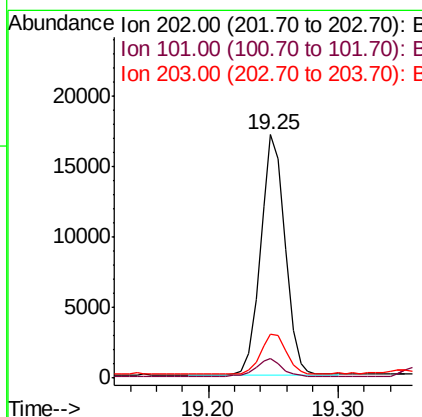
RT: 19.25 min Scan# 1389

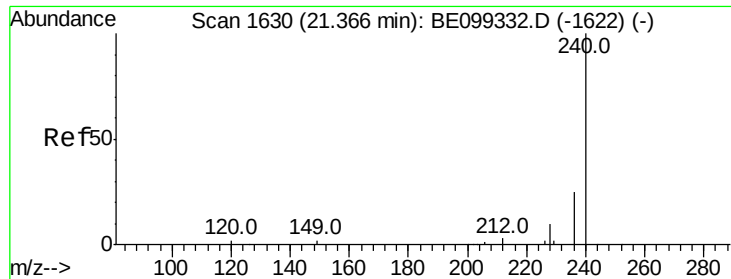
Delta R.T. 0.00 min

Lab File: BE099361.D

Acq: 25 Apr 2019 15:02

Tgt Ion:	202	Resp:	22572
Ion Ratio	Lower	Upper	
202	100		
101	7.6	6.4	9.6
203	17.1	13.5	20.3





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099361.D

Acq: 25 Apr 2019 15:02

Instrument :

BNA_E

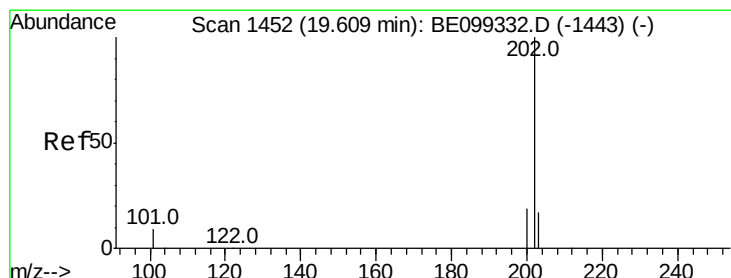
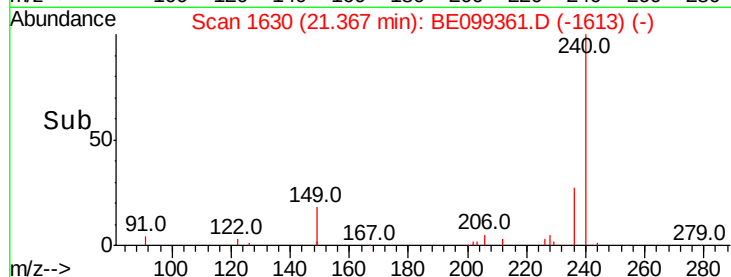
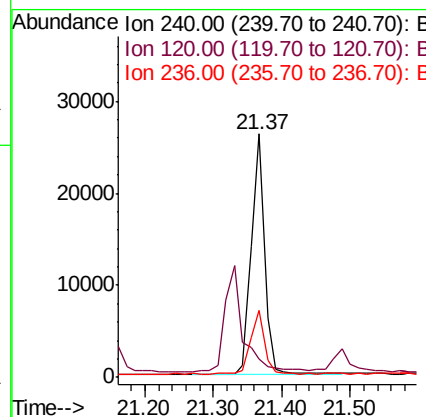
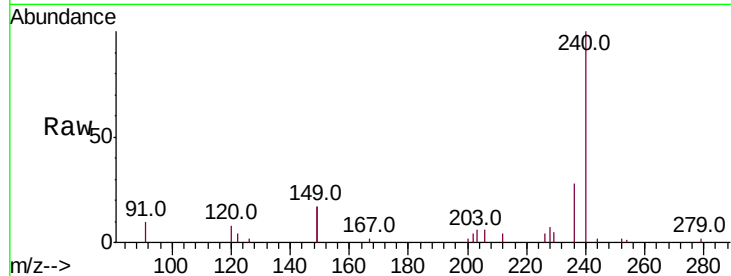
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
240	100		
120	7.5	2.2	3.2#
236	27.7	20.2	30.4

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#28

Pyrene

Concen: 0.191 ng

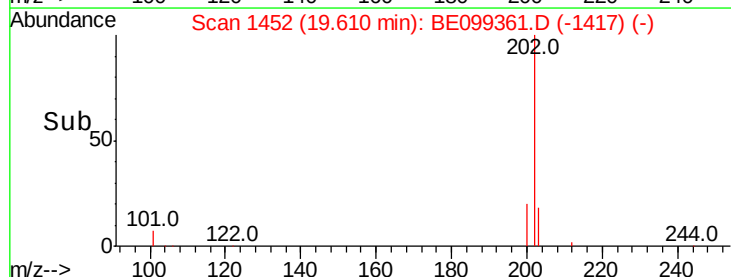
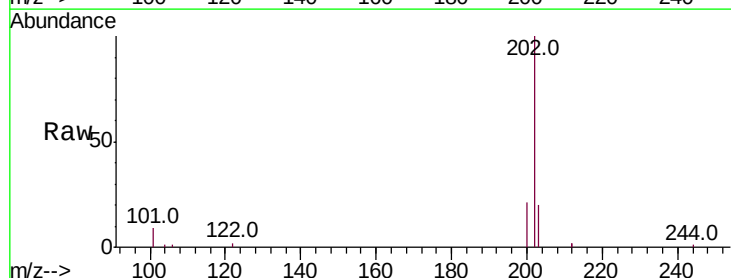
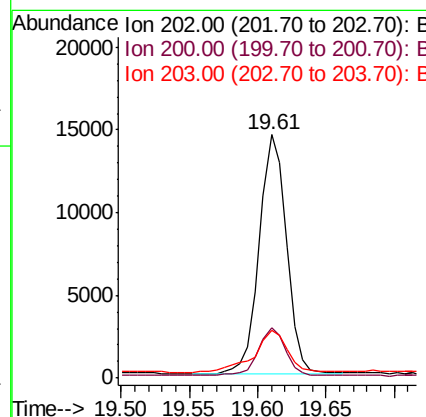
RT: 19.61 min Scan# 1452

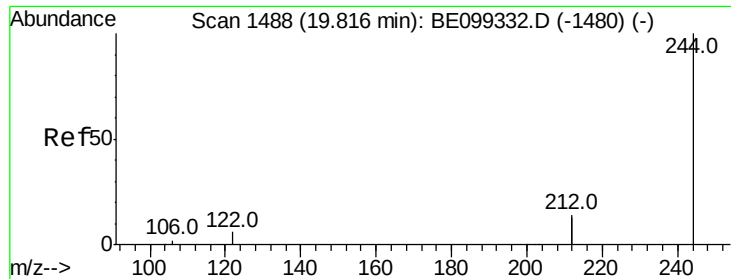
Delta R.T. 0.00 min

Lab File: BE099361.D

Acq: 25 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	21.3	13.7	20.5#





#29

Terphenyl-d14

Concen: 0.237 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099361.D

Acq: 25 Apr 2019 15:02

Instrument :

BNA_E

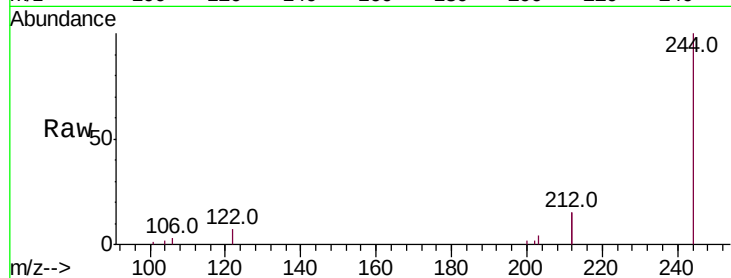
ClientSampleId :

EXT-073-SW067-042219

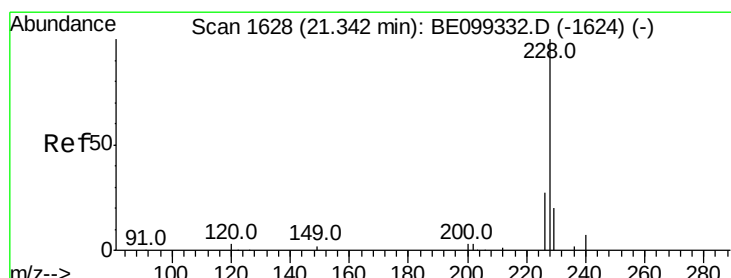
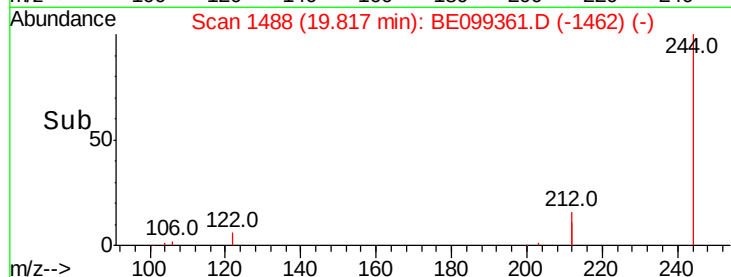
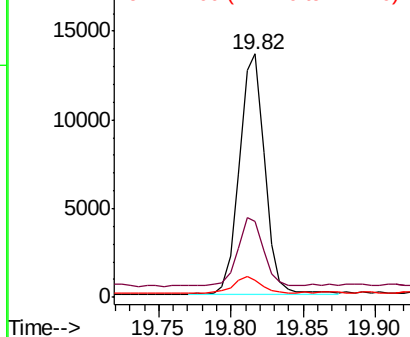
Tot Ion	Ratio	Lower	Upper
244	100		
212	30.9	22.6	33.8
122	7.1	4.6	7.0

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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: 0.130 ng

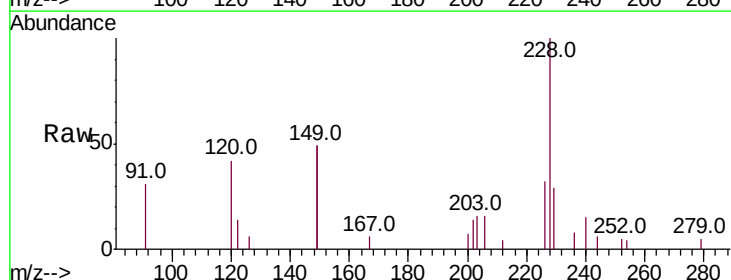
RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

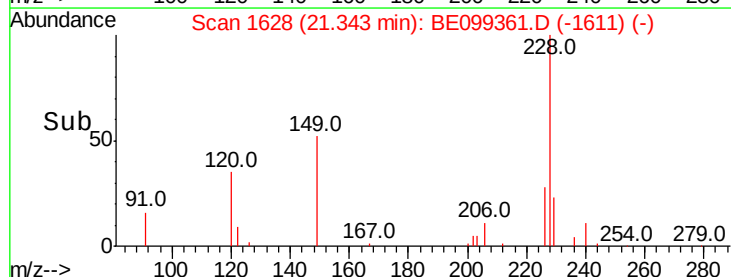
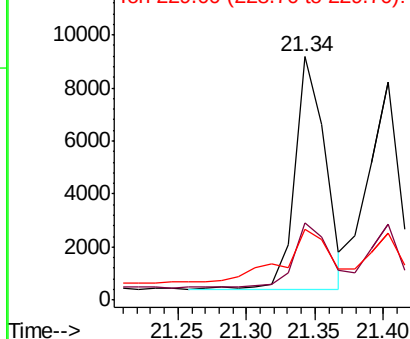
Lab File: BE099361.D

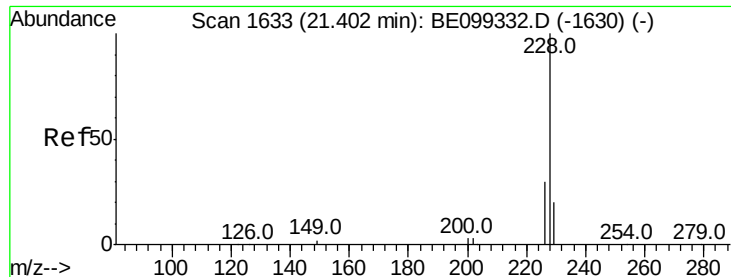
Acq: 25 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.0	33.0
229	29.0	15.8	23.8



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: 0.112 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099361.D

Acq: 25 Apr 2019 15:02

Instrument :

BNA_E

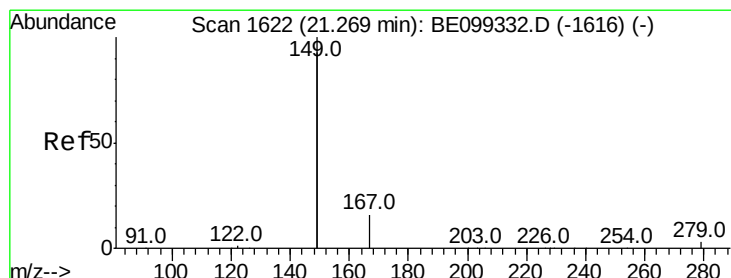
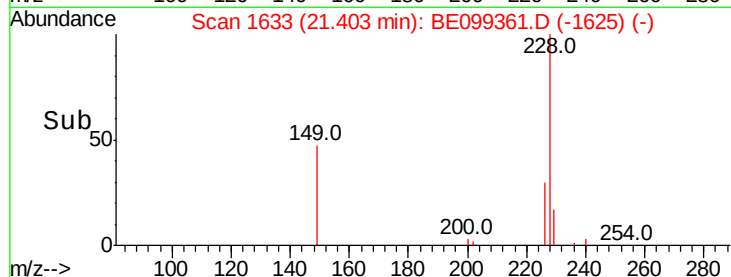
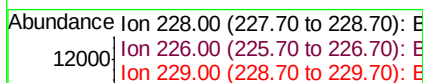
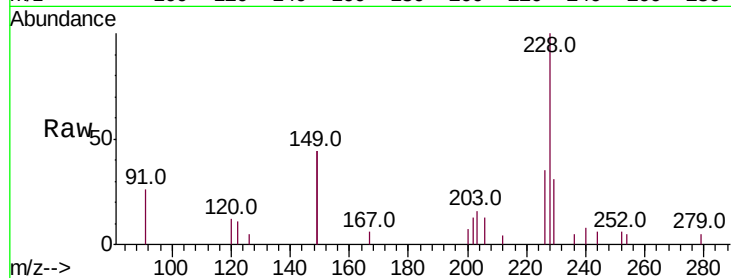
ClientSampleId :

EXT-073-SW067-042219

Tot Ion:	228	Resp:	12354
Ion Ratio	Lower	Upper	
228	100		
226	34.9	23.4	35.2
229	30.7	16.2	24.2

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.364 ng

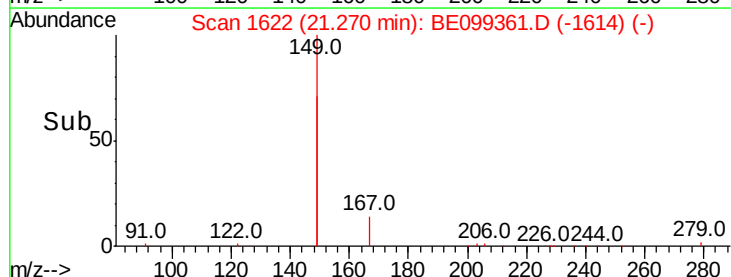
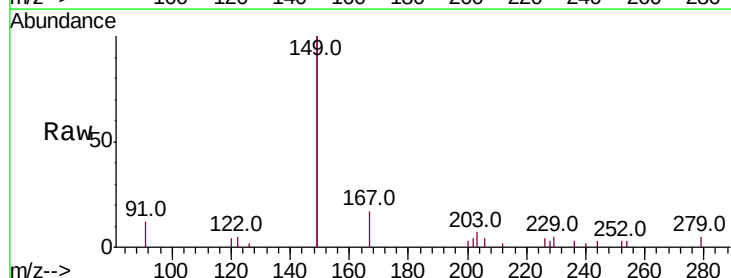
RT: 21.27 min Scan# 1622

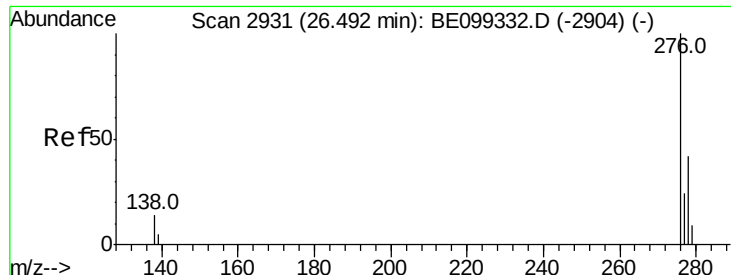
Delta R.T. 0.00 min

Lab File: BE099361.D

Acq: 25 Apr 2019 15:02

Tgt Ion:	149	Resp:	34414
Ion Ratio	Lower	Upper	
149	100		
167	7.4	6.0	9.0
279	1.7	1.1	1.7





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.068 ng

RT: 26.51 min Scan# 2935

Delta R.T. 0.01 min

Lab File: BE099361.D

Acq: 25 Apr 2019 15:02

Instrument :

BNA_E

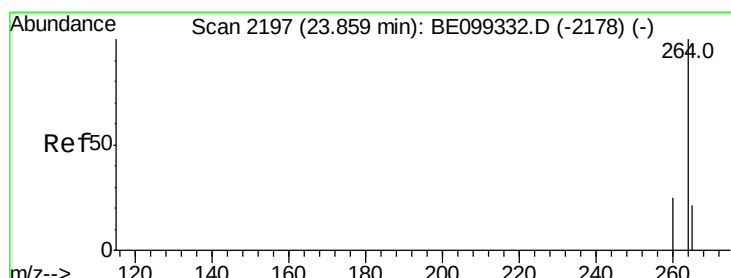
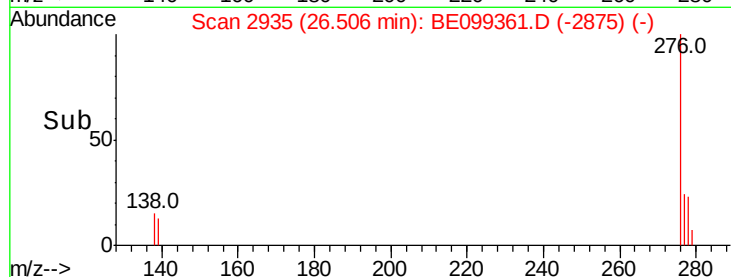
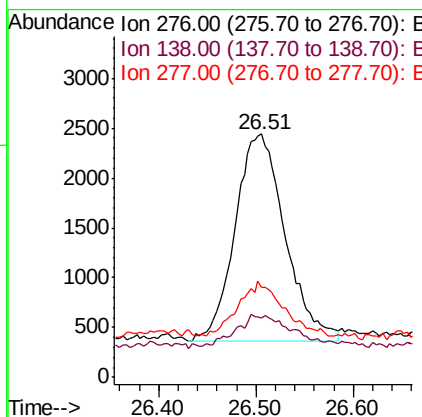
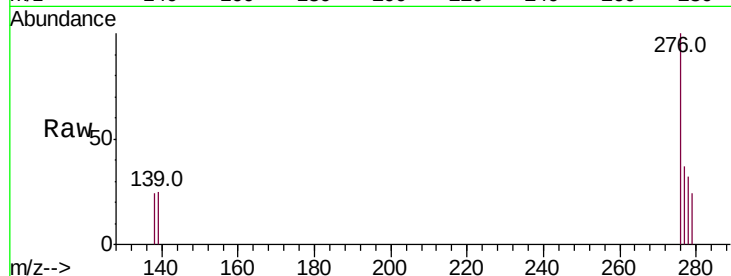
ClientSampleId :

EXT-073-SW067-042219

Tot Ion:	276	Resp:	7386
Ion Ratio	Lower	Upper	
276	100		
138	7.5	12.7	19.1#
277	24.4	19.6	29.4

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#34

Perylene-d12

Concen: 0.400 ng

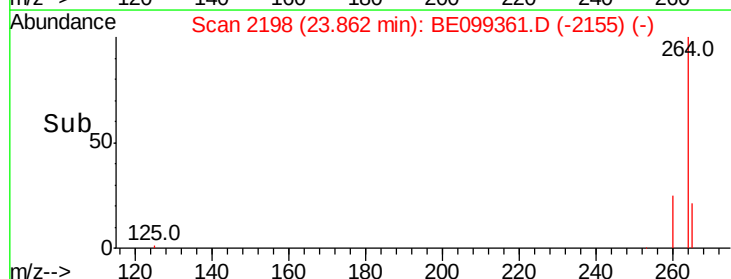
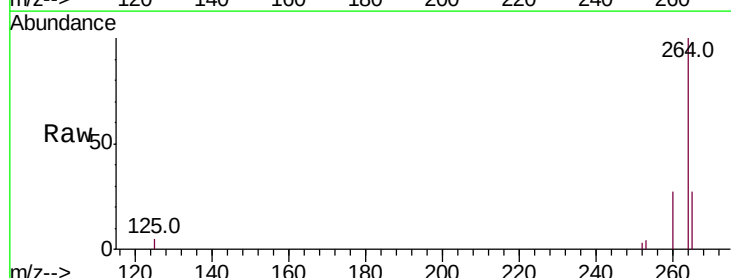
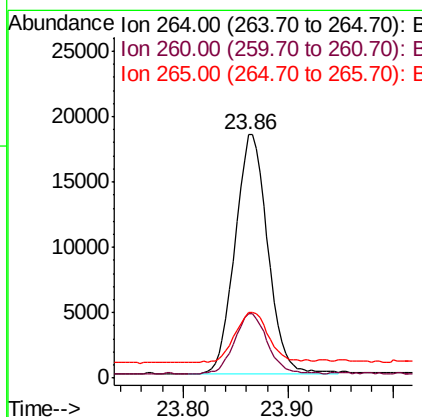
RT: 23.86 min Scan# 2198

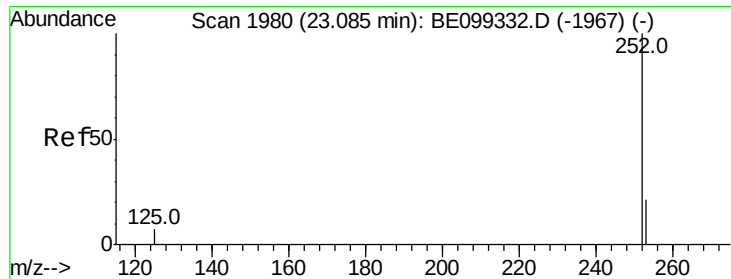
Delta R.T. 0.00 min

Lab File: BE099361.D

Acq: 25 Apr 2019 15:02

Tgt Ion:	264	Resp:	39789
Ion Ratio	Lower	Upper	
264	100		
260	26.6	20.1	30.1
265	27.2	19.9	29.9





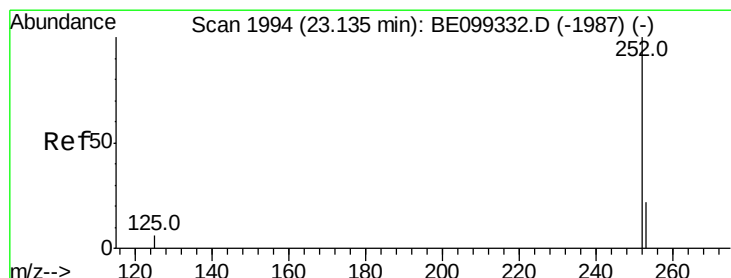
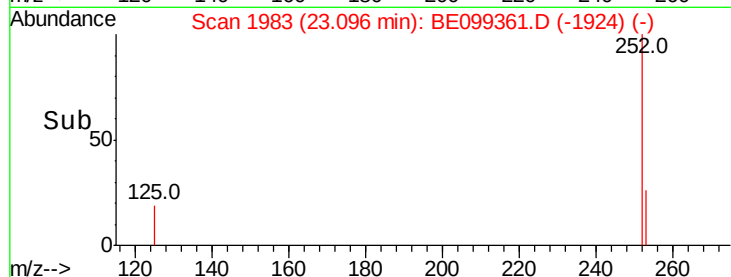
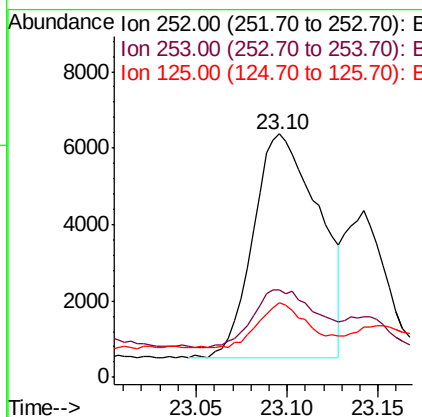
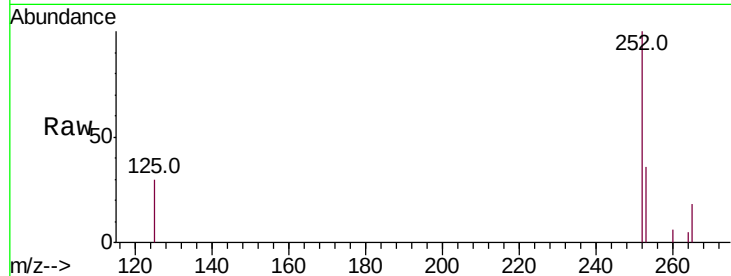
#35
Benzo(b)fluoranthene
Concen: 0.121 ng
RT: 23.10 min Scan# 1983
Delta R.T. 0.01 min
Lab File: BE099361.D
Acq: 25 Apr 2019 15:02

Instrument :
BNA_E
ClientSampleId :
EXT-073-SW067-042219

Tot Ion:252 Resp: 14725
Ion Ratio Lower Upper
252 100
253 35.7 17.3 25.9#
125 30.5 5.8 8.6#

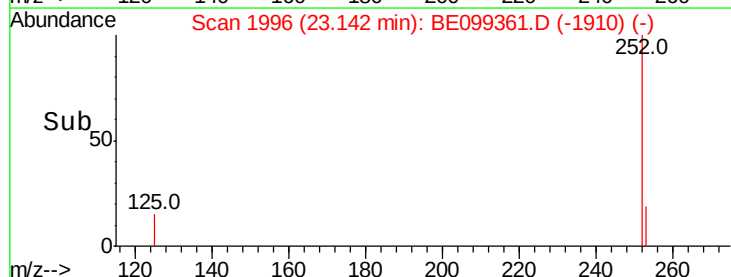
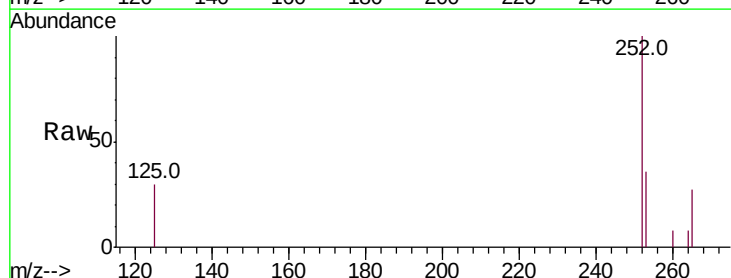
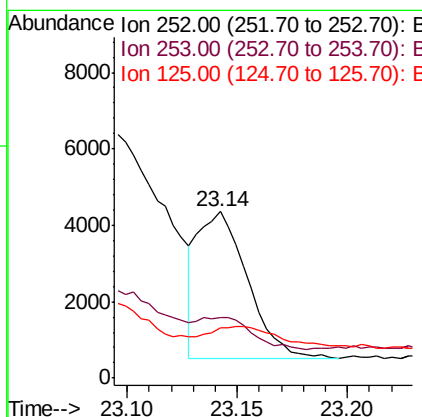
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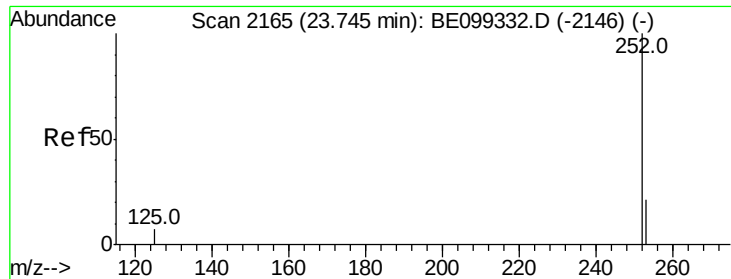
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.050 ng m
RT: 23.14 min Scan# 1996
Delta R.T. 0.01 min
Lab File: BE099361.D
Acq: 25 Apr 2019 15:02

Tgt Ion:252 Resp: 6107
Ion Ratio Lower Upper
252 100
253 36.4 18.4 27.6#
125 30.5 5.4 8.0#





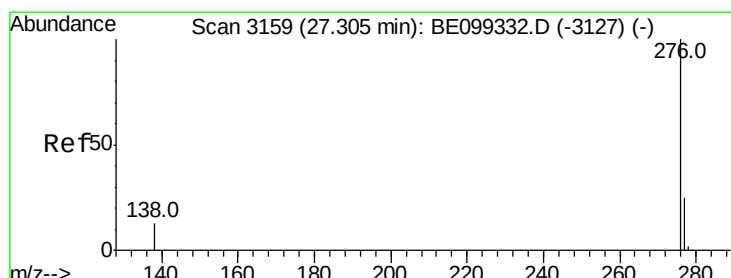
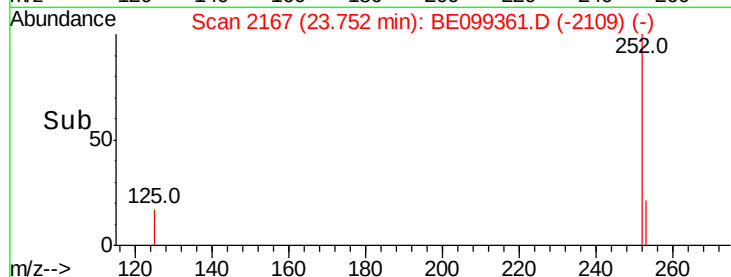
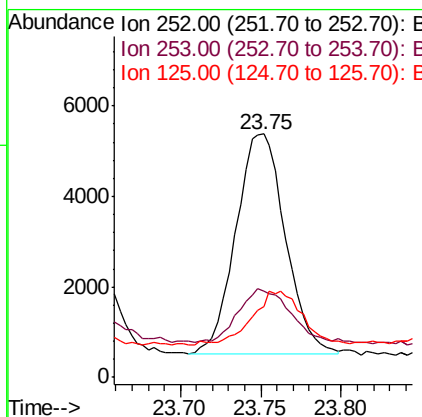
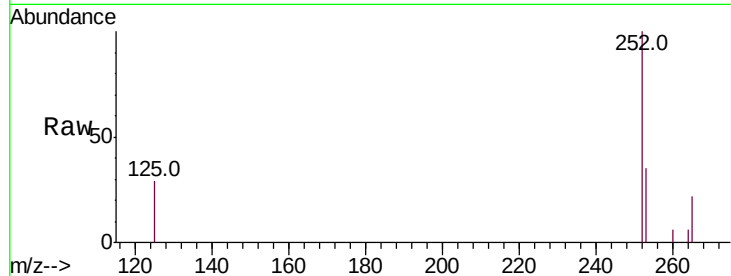
#37
Benzo(a)pyrene
Concen: 0.096 ng
RT: 23.75 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BE099361.D
Acq: 25 Apr 2019 15:02

Instrument :
BNA_E
ClientSampleId :
EXT-073-SW067-042219

Tot Ion	Ratio	Lower	Upper
252	100		
253	35.3	17.6	26.4#
125	29.2	6.5	9.7#

Manual Integrations
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4/29/2019 2:29:37 AM



#39
Benzo(g,h,i)perylene
Concen: 0.055 ng
RT: 27.32 min Scan# 3163
Delta R.T. 0.01 min
Lab File: BE099361.D
Acq: 25 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	40.0	20.0	30.0#
138	23.6	11.1	16.7#

