

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099398.D
 Acq On : 27 Apr 2019 3:44
 Operator : JU/SJ
 Sample : K2533-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW022-042219

Manual Integrations
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 4/29/2019 1:32:10 PM

Quant Time: Apr 27 07:20:05 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	3397	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	13936	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	9903	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	27525	0.40	ng	0.01
27) Chrysene-d12	21.37	240	30481	0.40	ng	0.00
34) Perylene-d12	23.88	264	35250	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	3776	0.45	ng	0.01
5) Phenol-d6	6.98	99	5409	0.46	ng	0.00
8) Nitrobenzene-d5	8.98	82	4910	0.45	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	9344	0.38	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2353	0.72	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	13568	0.35	ng	0.00
25) Fluoranthene-d10	19.22	212	117242	0.35	ng	0.00
29) Terphenyl-d14	19.82	244	20264	0.34	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.18	152	1282	0.029	ng	# 93
23) Phenanthrene	17.24	178	12836	0.176	ng	# 98
24) Anthracene	17.32	178	1829	0.028	ng	# 92
26) Fluoranthene	19.25	202	32446	0.333	ng	# 98
28) Pyrene	19.61	202	37741	0.420	ng	# 96
30) Benzo(a)anthracene	21.35	228	20322	0.227	ng	# 90
31) Chrysene	21.40	228	21696	0.228	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.27	149	26294	0.322	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.52	276	9378	0.100	ng	# 95
35) Benzo(b)fluoranthene	23.11	252	24551	0.227	ng	# 78
36) Benzo(k)fluoranthene	23.15	252	7810m	0.073	ng	# 77
37) Benzo(a)pyrene	23.76	252	16624	0.172	ng	# 77
38) Dibenzo(a,h)anthracene	26.55	278	2593	0.026	ng	# 2
39) Benzo(g,h,i)perylene	27.35	276	8785	0.088	ng	# 75

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

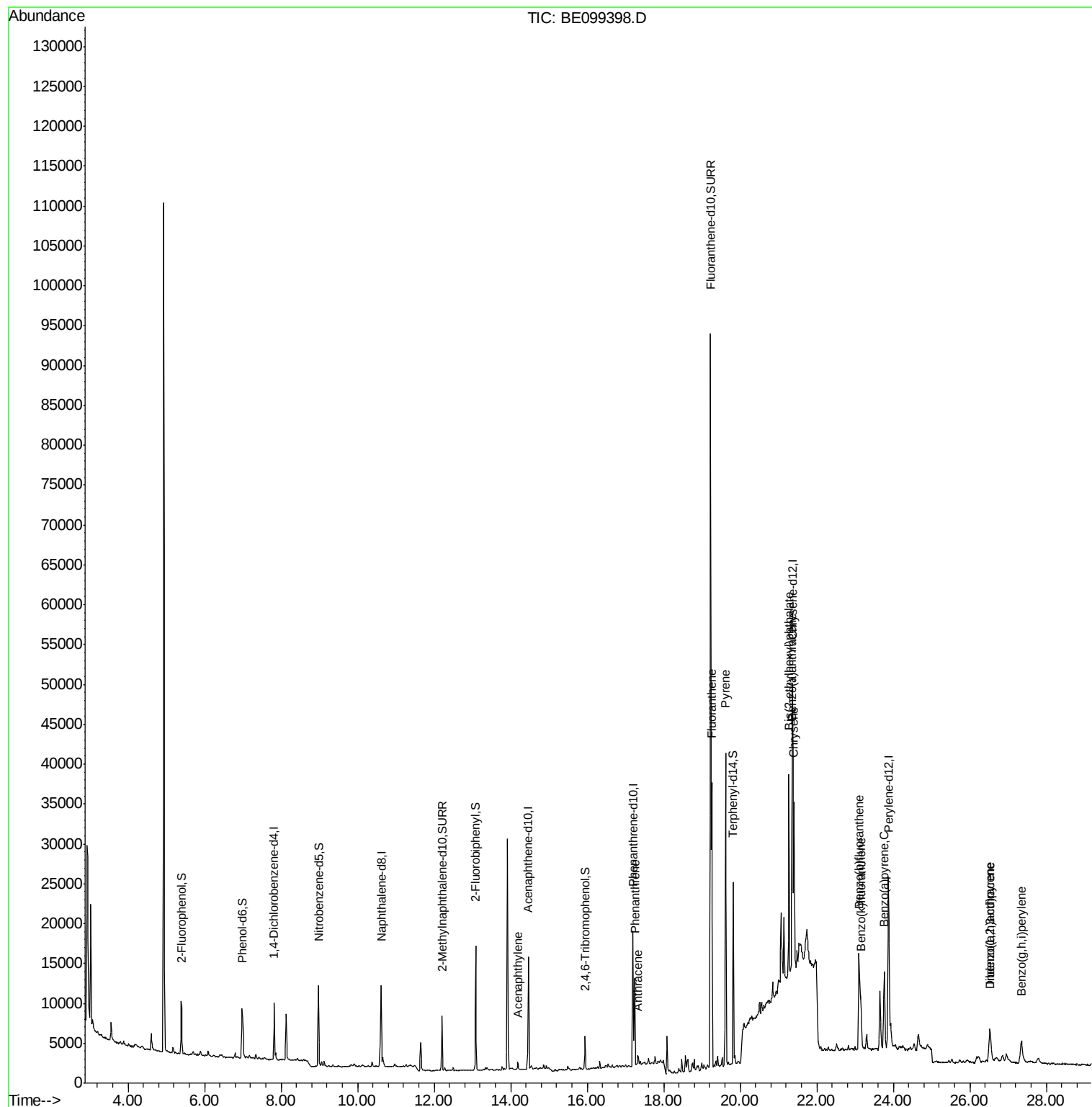
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
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ALS Vial : 28 Sample Multiplier: 1

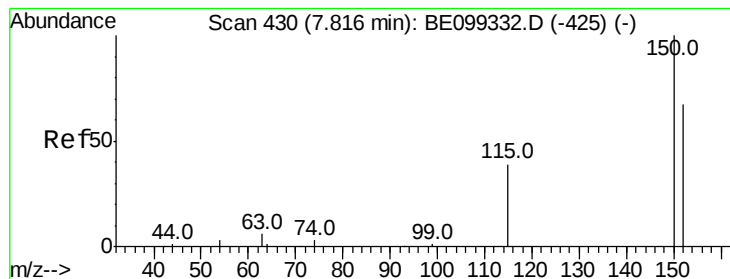
Instrument :
BNA_E
ClientSampleId :
EXT-028-SW022-042219

Quant Time: Apr 27 07:20:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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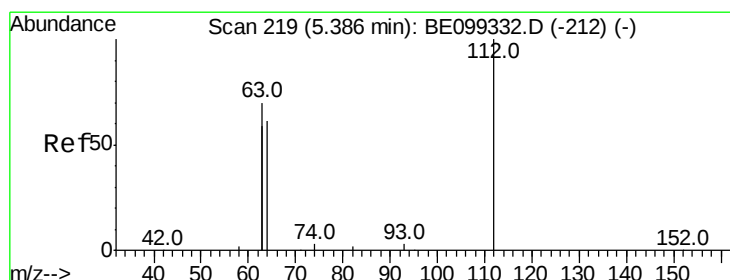
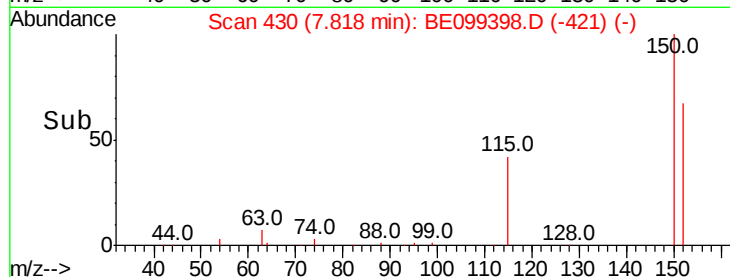
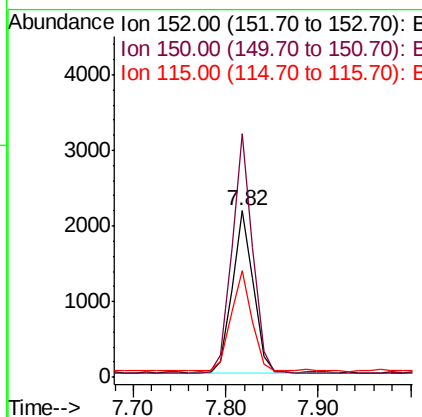
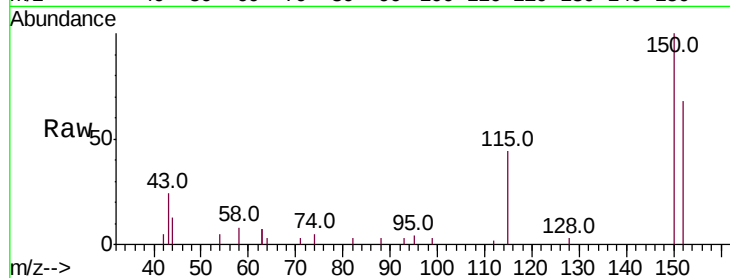
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.82 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: BE099398.D
 Acq: 27 Apr 2019 3:44

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW022-042219

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.5	119.5	179.3
115	64.1	47.5	71.3

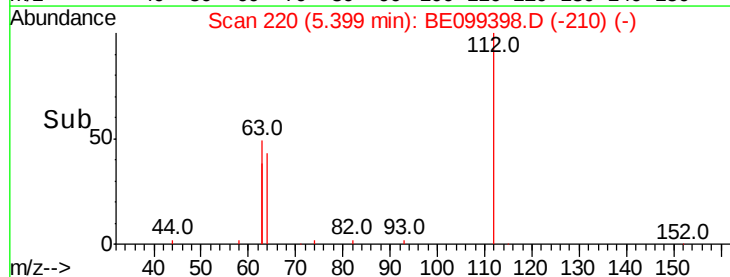
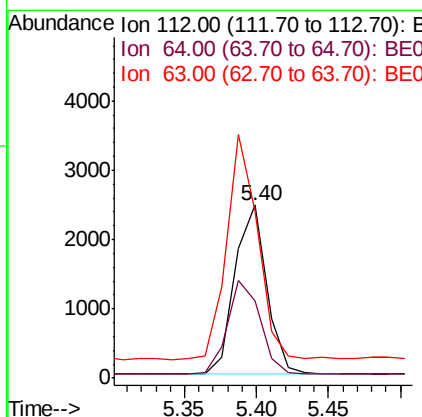
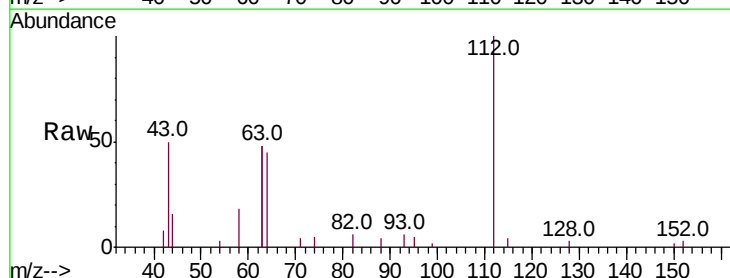
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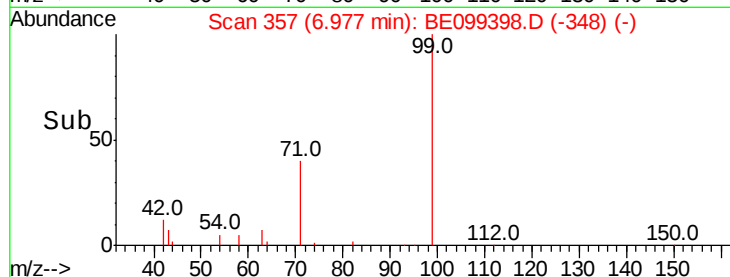
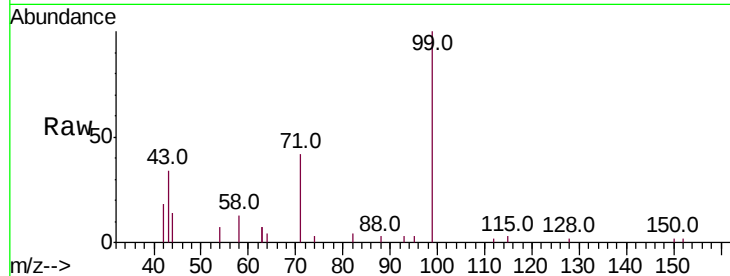
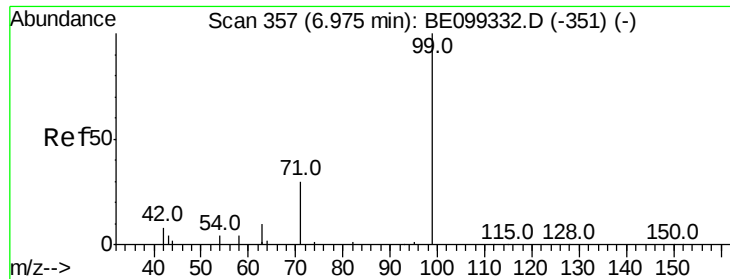
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#4
 2-Fluorophenol
 Concen: 0.455 ng
 RT: 5.40 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: BE099398.D
 Acq: 27 Apr 2019 3:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	44.9	67.3
63	127.0	97.4	146.0





#5

Phenol-d6

Concen: 0.457 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099398.D

Acq: 27 Apr 2019 3:44

Instrument :

BNA_E

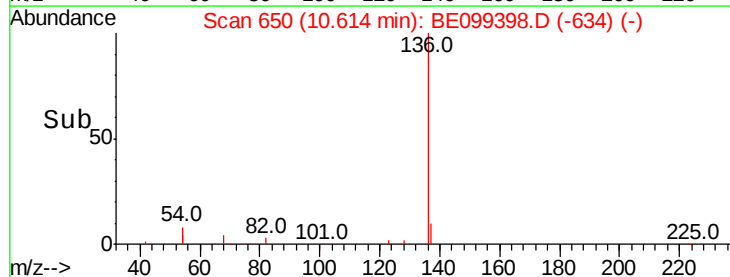
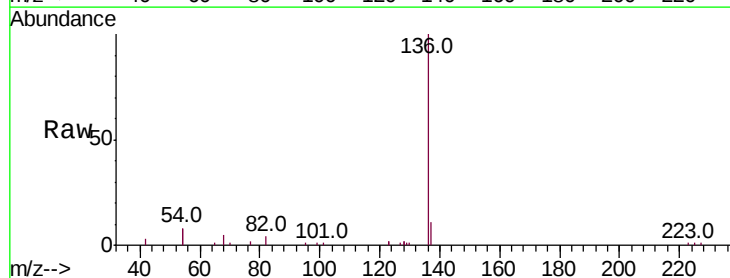
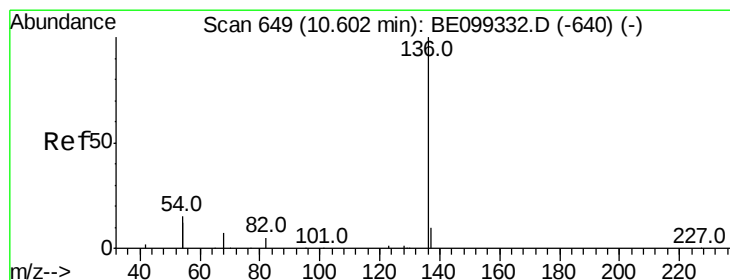
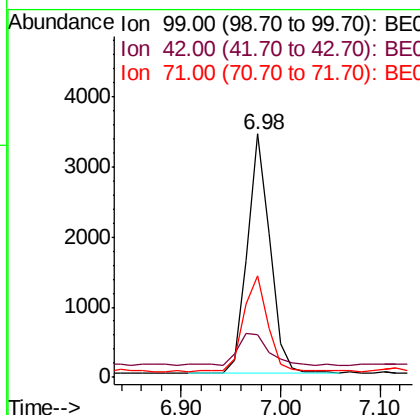
ClientSampleId :

EXT-028-SW022-042219

Tot Ion:	99	Resp:	5409
Ion Ratio	Lower	Upper	
99	100		
42	18.8	11.7	17.5#
71	42.6	29.6	44.4

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#7

Naphthalene-d8

Concen: 0.400 ng

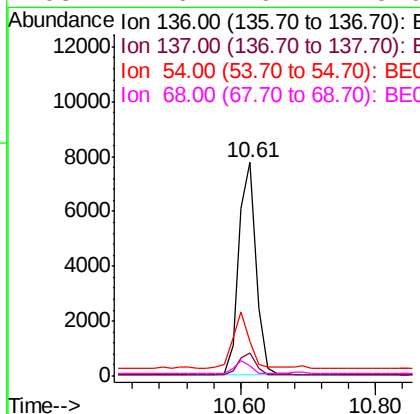
RT: 10.61 min Scan# 650

Delta R.T. 0.01 min

Lab File: BE099398.D

Acq: 27 Apr 2019 3:44

Tgt Ion:	136	Resp:	13936
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.7	13.1
54	16.3	23.8	35.8#
68	4.6	6.4	9.6#





#8

Nitrobenzene-d5

Concen: 0.454 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099398.D

Acq: 27 Apr 2019 3:44

Instrument :

BNA_E

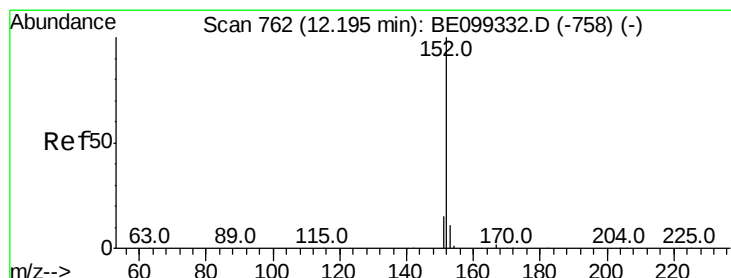
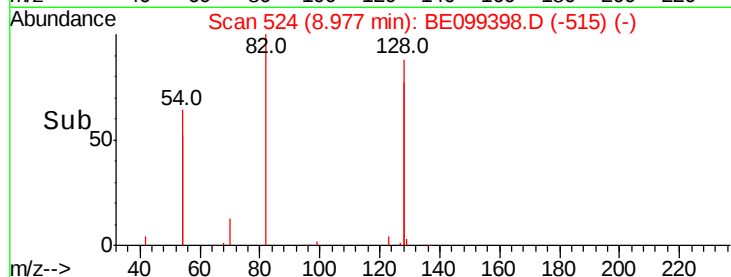
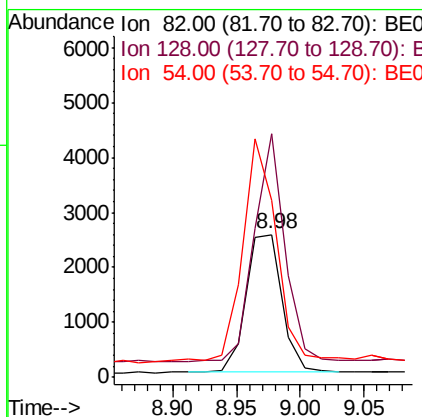
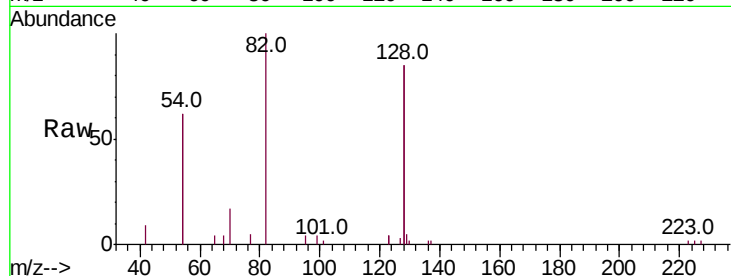
ClientSampleId :

EXT-028-SW022-042219

Tot Ion	82	Resp	4910
Ion	Ratio	Lower	Upper
82	100		
128	170.7	91.7	137.5#
54	124.6	122.8	184.2

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#11

2-Methylnaphthalene-d10

Concen: 0.380 ng

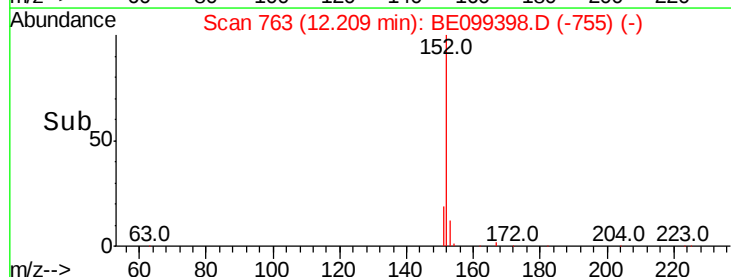
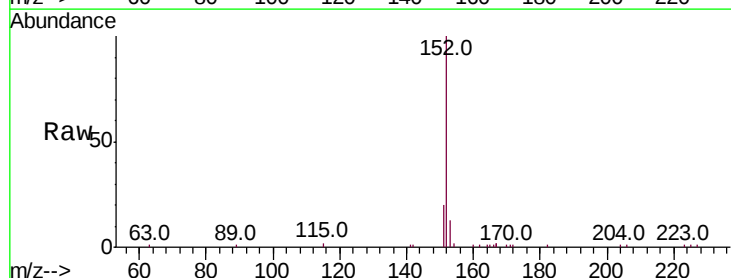
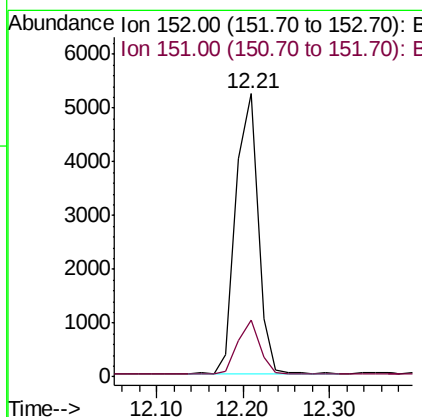
RT: 12.21 min Scan# 763

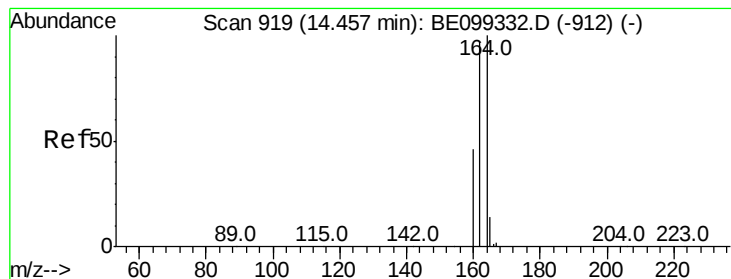
Delta R.T. 0.01 min

Lab File: BE099398.D

Acq: 27 Apr 2019 3:44

Tgt Ion	152	Resp	9344
Ion	Ratio	Lower	Upper
152	100		
151	19.0	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: BE099398.D

Acq: 27 Apr 2019 3:44

Instrument :

BNA_E

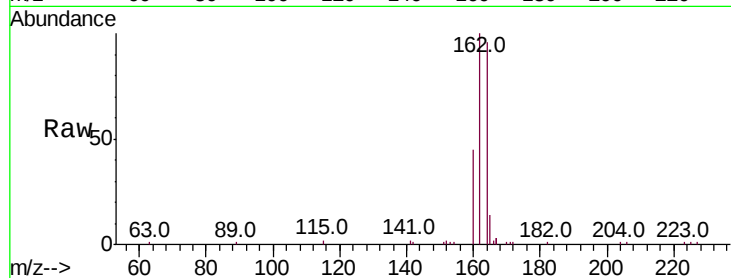
ClientSampleId :

EXT-028-SW022-042219

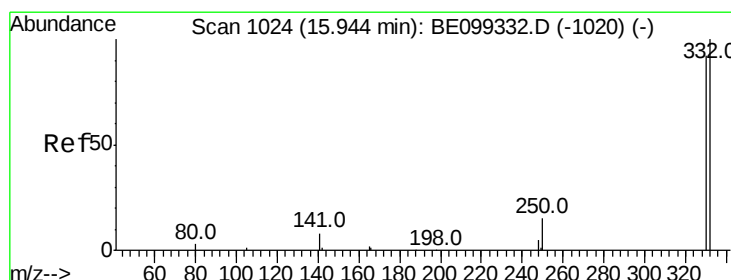
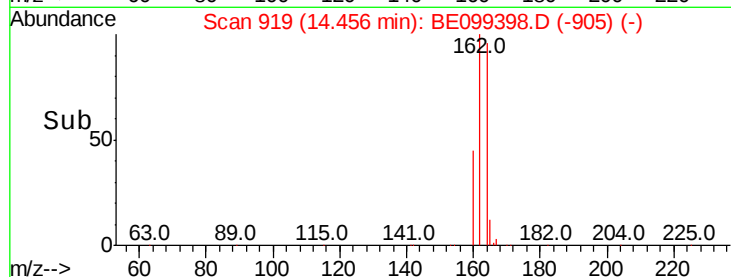
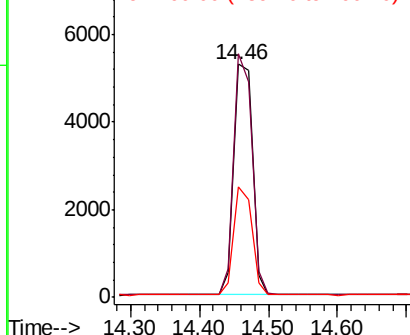
Tot Ion:	164	Resp:	9903
Ion Ratio	Lower	Upper	
164	100		
162	104.4	77.8	116.6
160	47.5	37.1	55.7

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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: 0.715 ng

RT: 15.94 min Scan# 1024

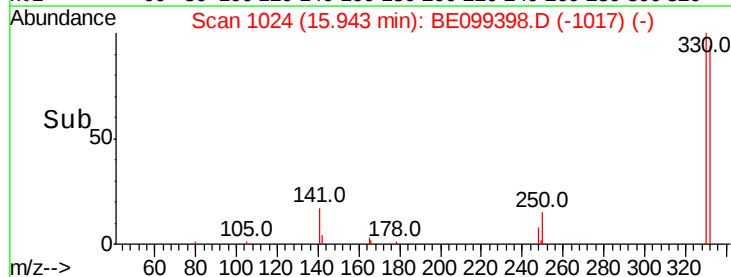
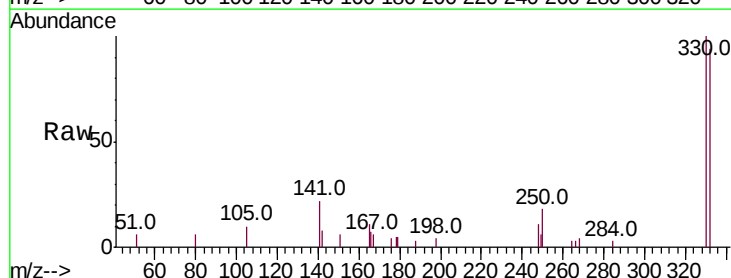
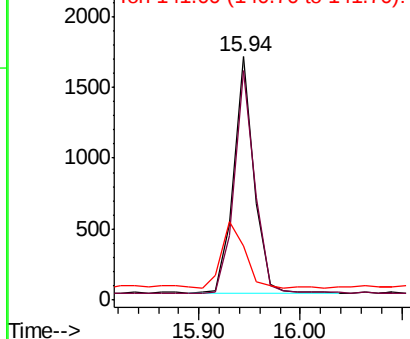
Delta R.T. 0.00 min

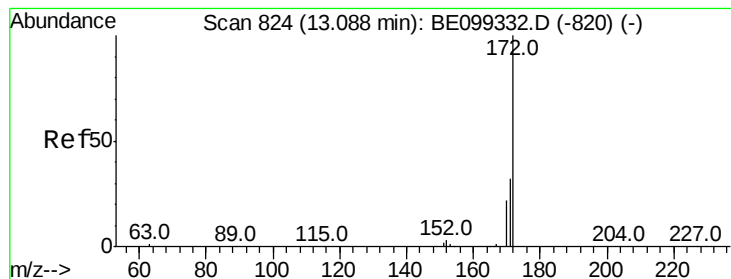
Lab File: BE099398.D

Acq: 27 Apr 2019 3:44

Tgt Ion:	330	Resp:	2353
Ion Ratio	Lower	Upper	
330	100		
332	96.4	82.5	123.7
141	31.7	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





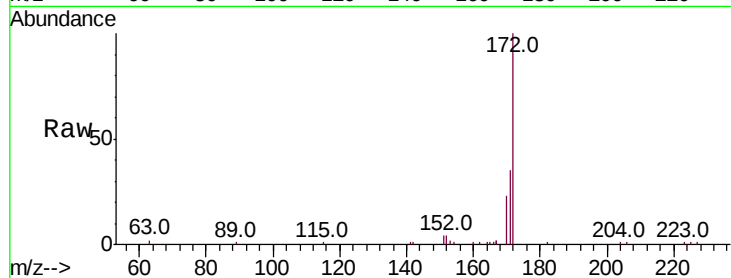
#15
2-Fluorobiphenyl
Concen: 0.349 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099398.D
Acq: 27 Apr 2019 3:44

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW022-042219

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	26.2	39.2
170	22.9	18.1	27.1

Manual Integrations
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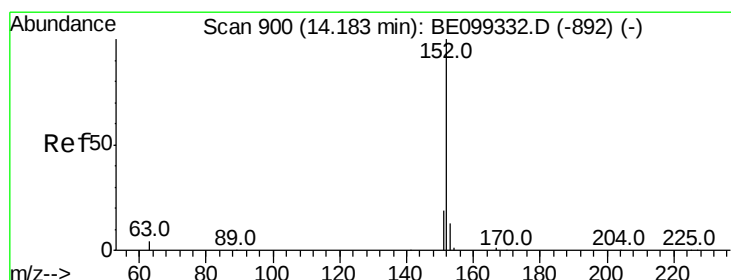
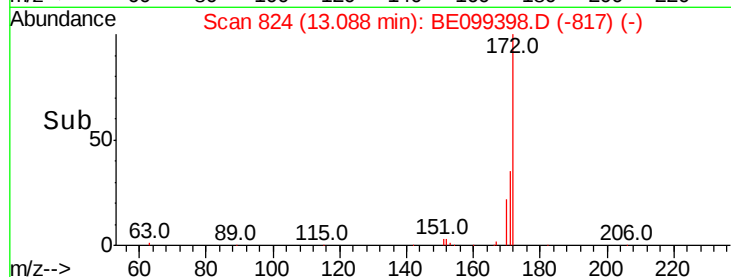
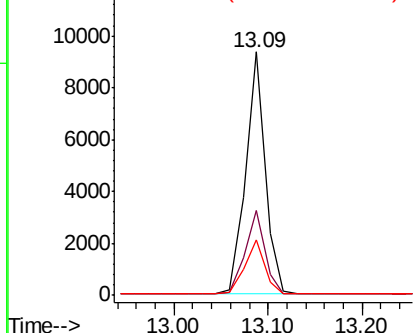


Abundance

Ion 172.00 (171.70 to 172.70): E

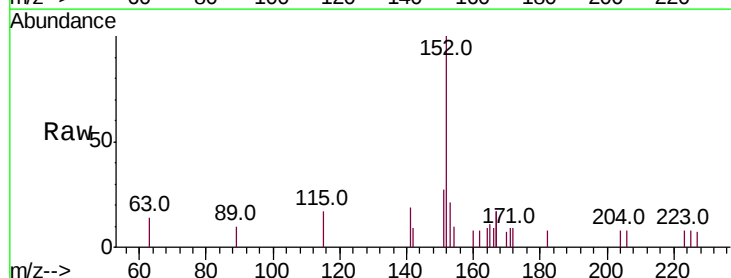
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.029 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099398.D
Acq: 27 Apr 2019 3:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.2	15.5	23.3
153	15.9	10.2	15.4#

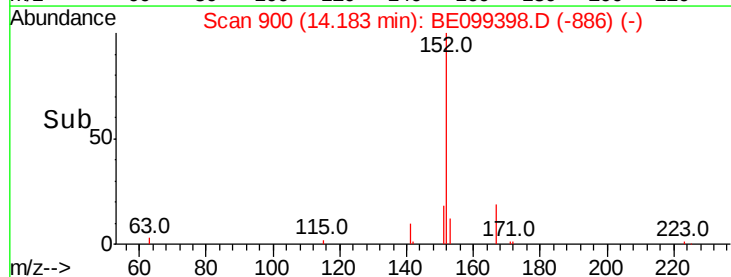
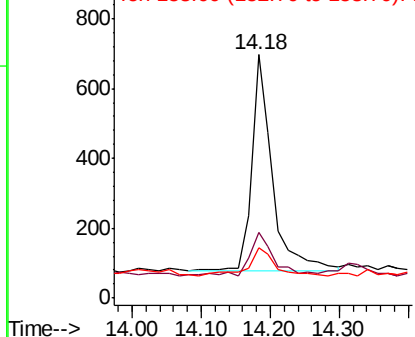


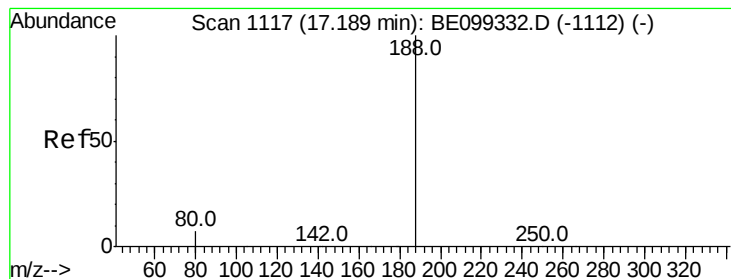
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BE099398.D

Acq: 27 Apr 2019 3:44

Instrument :

BNA_E

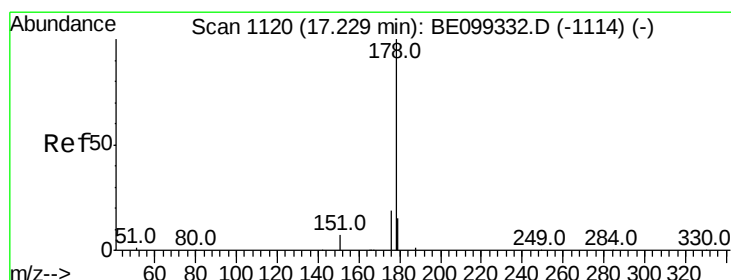
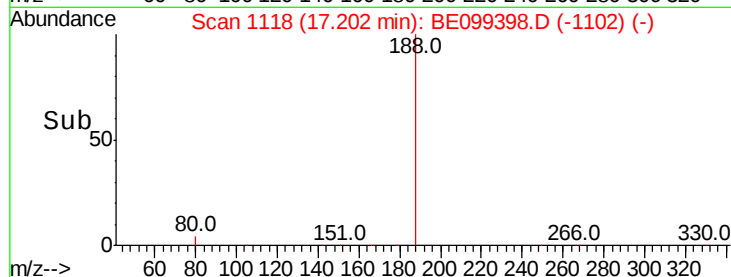
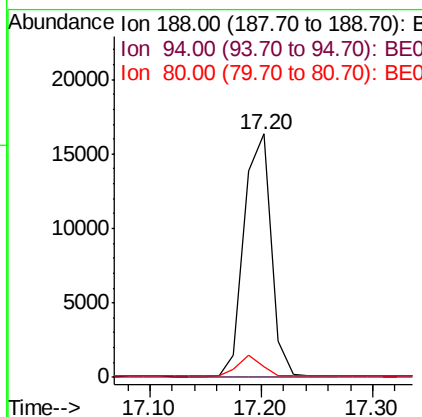
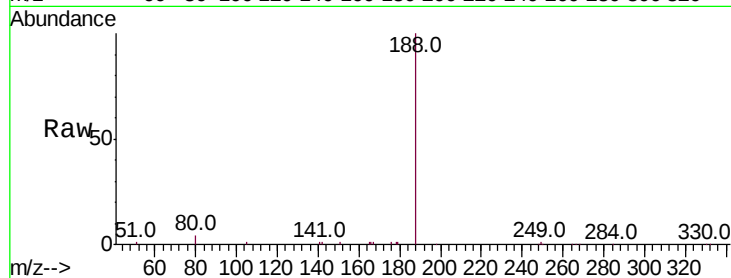
ClientSampleId :

EXT-028-SW022-042219

Tot Ion:	188	Resp:	27525
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: 0.176 ng

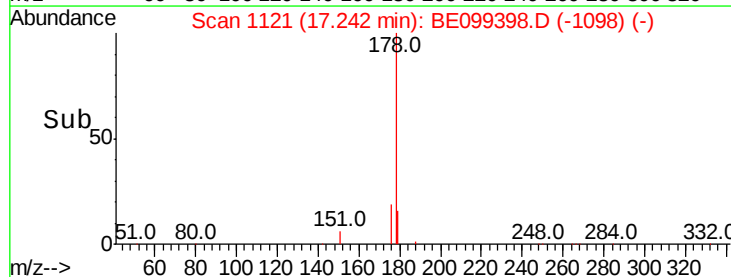
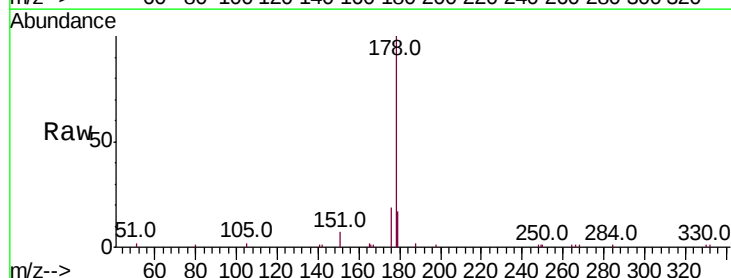
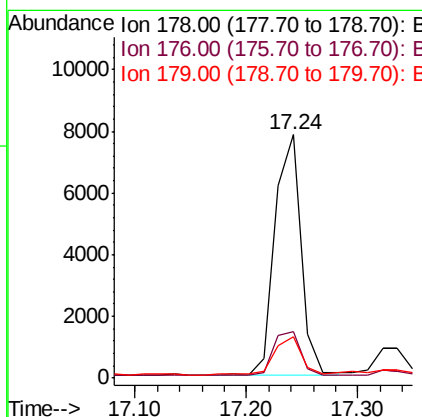
RT: 17.24 min Scan# 1121

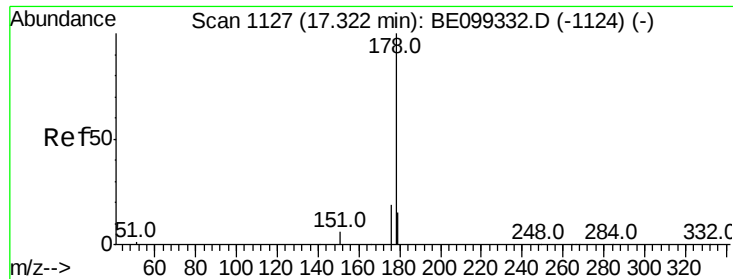
Delta R.T. 0.01 min

Lab File: BE099398.D

Acq: 27 Apr 2019 3:44

Tgt Ion:	178	Resp:	12836
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.3	22.9
179	16.8	12.4	18.6





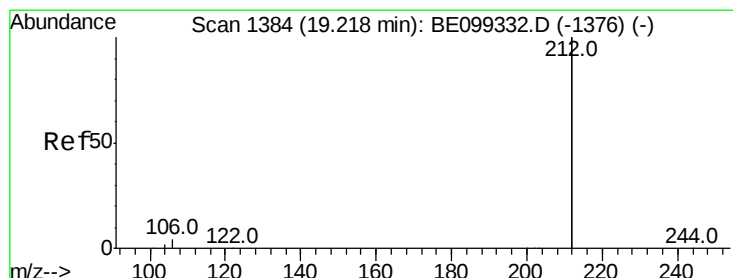
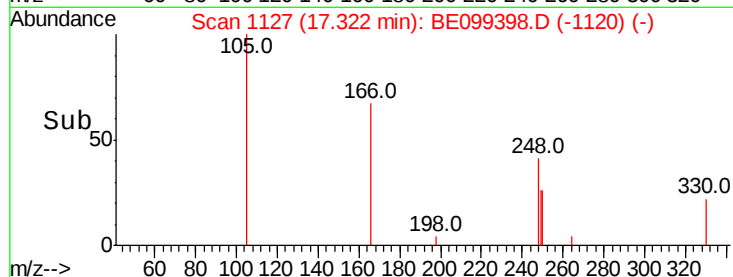
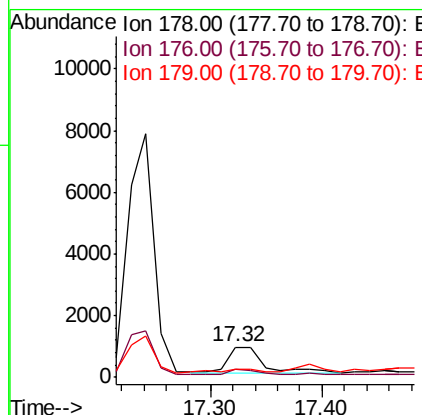
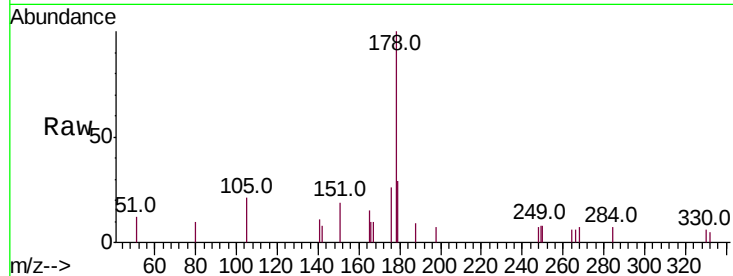
#24
 Anthracene
 Concen: 0.028 ng
 RT: 17.32 min Scan# 1127
 Delta R.T. -0.00 min
 Lab File: BE099398.D
 Acq: 27 Apr 2019 3:44

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW022-042219

Tot Ion	Ratio	Lower	Upper
178	100		
176	22.7	15.1	22.7#
179	11.7	11.9	17.9#

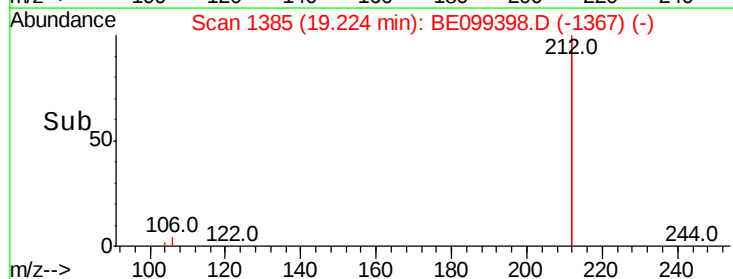
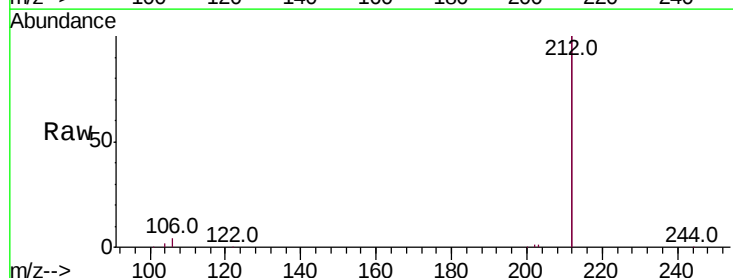
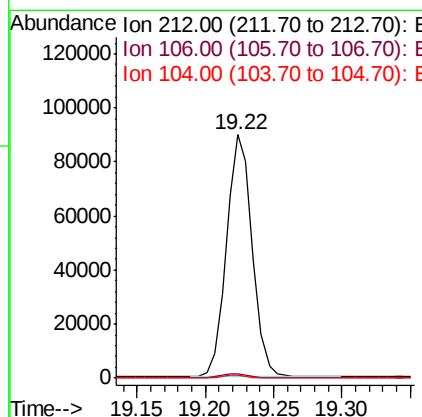
Manual Integrations
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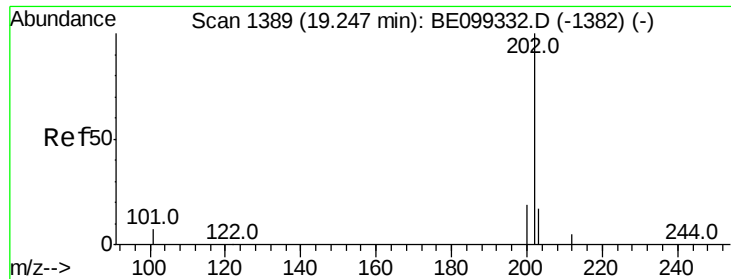
Sohil
 4/29/2019 1:32:10 PM



#25
 Fluoranthene-d10
 Concen: 0.355 ng
 RT: 19.22 min Scan# 1385
 Delta R.T. 0.01 min
 Lab File: BE099398.D
 Acq: 27 Apr 2019 3:44

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





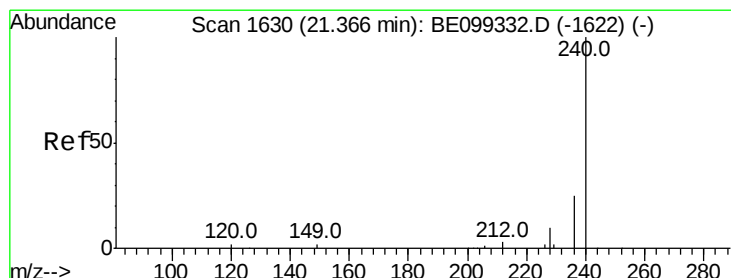
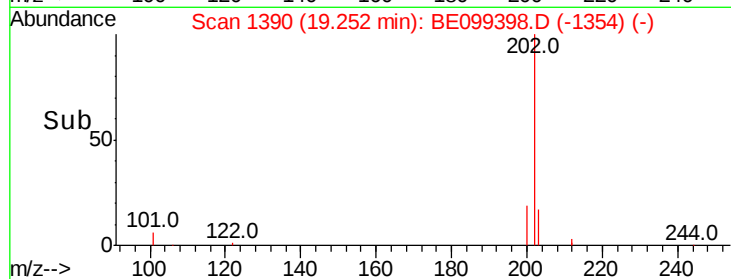
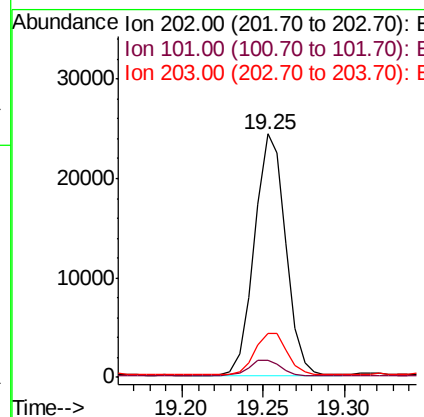
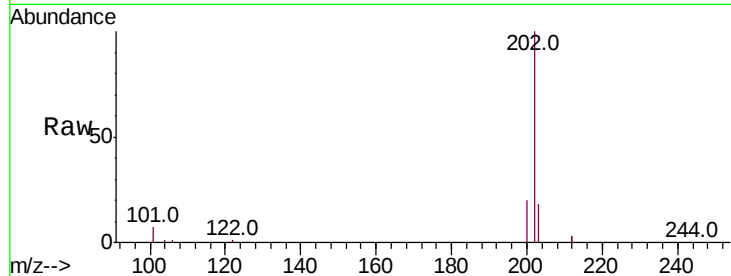
#26
 Fluoranthene
 Concen: 0.333 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: BE099398.D
 Acq: 27 Apr 2019 3:44

Instrument :
 BNA_E
 ClientSampleId :
 EXT-028-SW022-042219

Tot Ion	Ratio	Resp	Lower	Upper
202	100	32446		
101	6.9		6.4	9.6
203	17.8		13.5	20.3

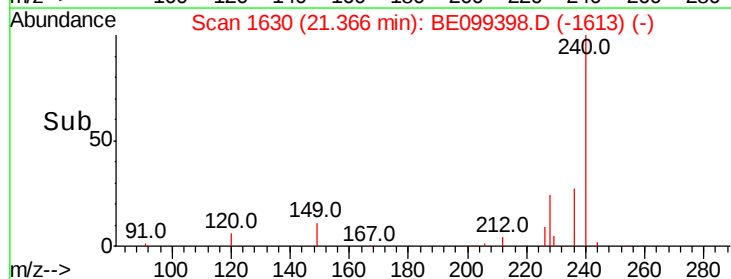
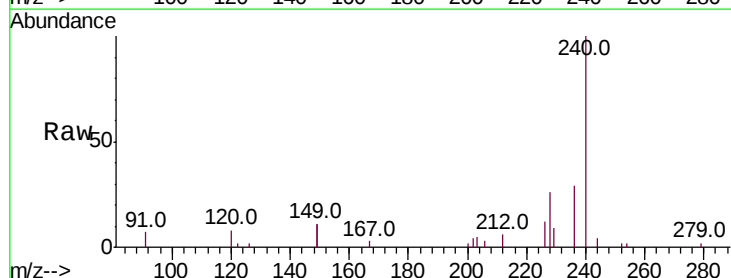
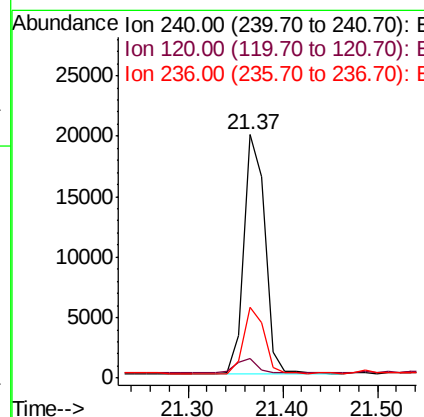
Manual Integrations
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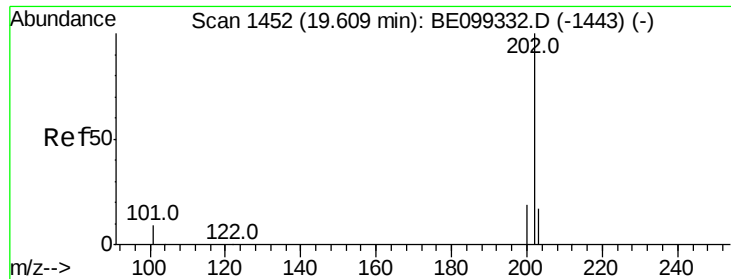
Sohil
 4/29/2019 1:32:10 PM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099398.D
 Acq: 27 Apr 2019 3:44

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	30481		
120	8.3		2.2	3.2#
236	29.1		20.2	30.4





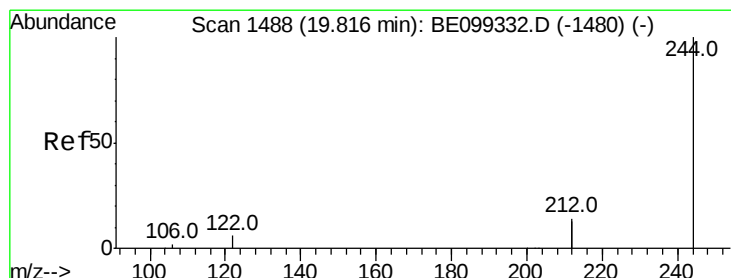
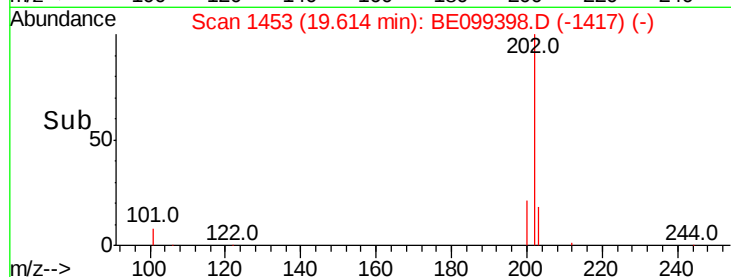
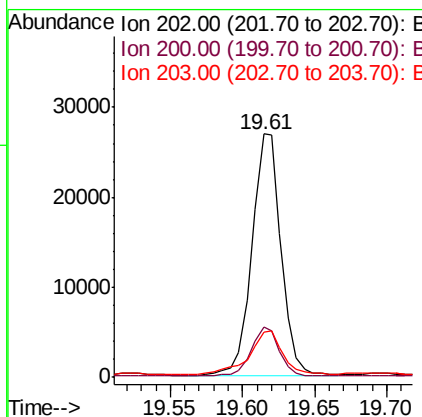
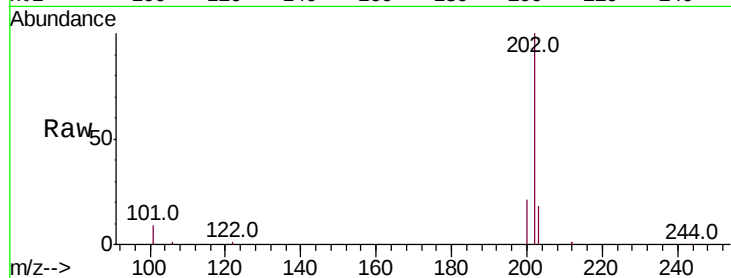
#28
Pvrene
Concen: 0.420 ng
RT: 19.61 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE099398.D
Acq: 27 Apr 2019 3:44

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW022-042219

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.8	15.7	23.5
203	20.6	13.7	20.5

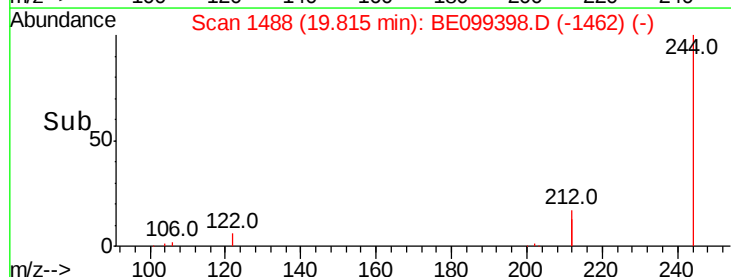
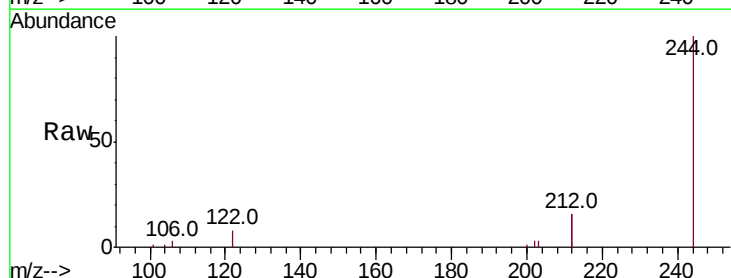
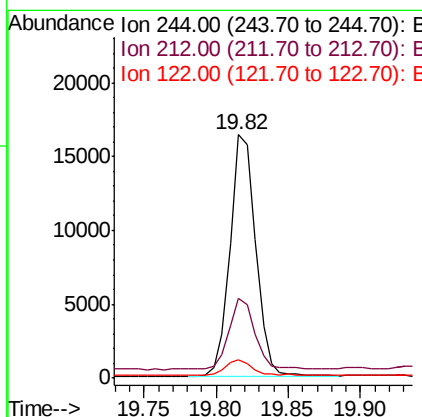
Manual Integrations
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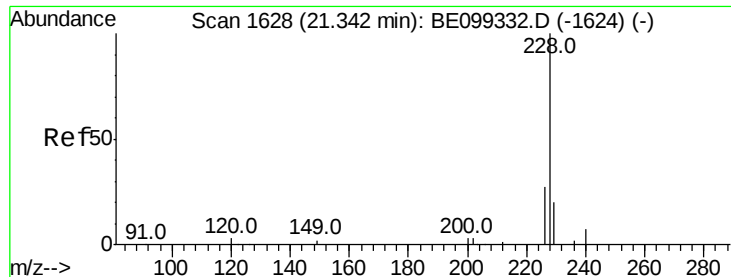
Sohil
4/29/2019 1:32:10 PM



#29
Terphenyl-d14
Concen: 0.338 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BE099398.D
Acq: 27 Apr 2019 3:44

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	32.8	22.6	33.8
122	7.5	4.6	7.0





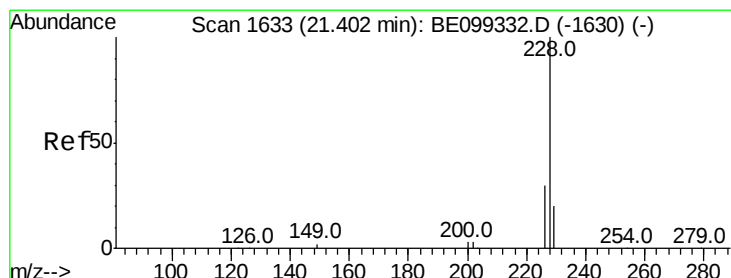
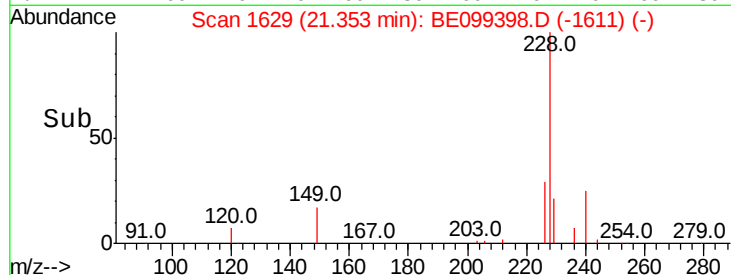
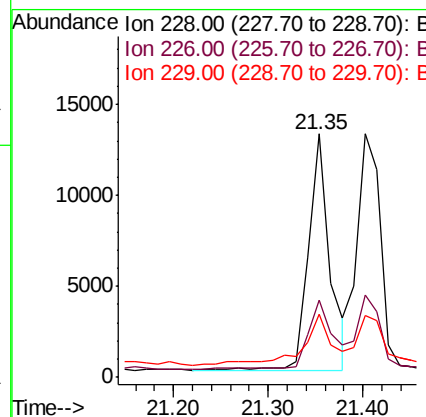
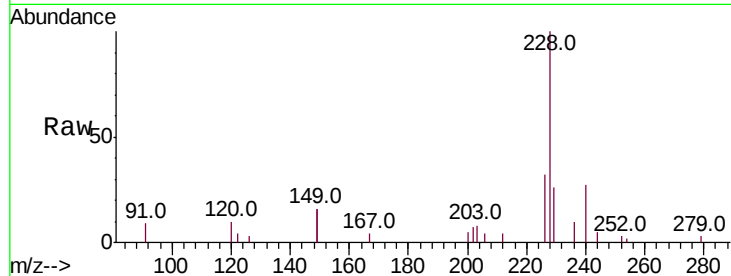
#30
Benzo(a)anthracene
Concen: 0.227 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE099398.D
Acq: 27 Apr 2019 3:44

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW022-042219

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.0	33.0
229	26.1	15.8	23.8

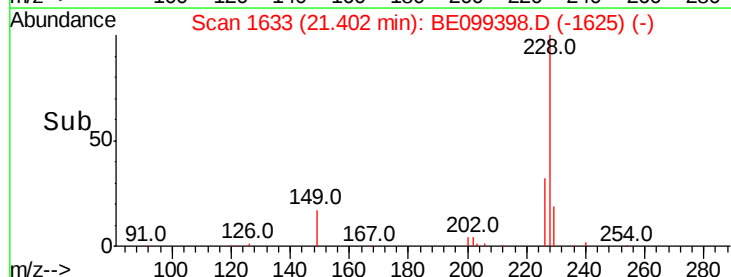
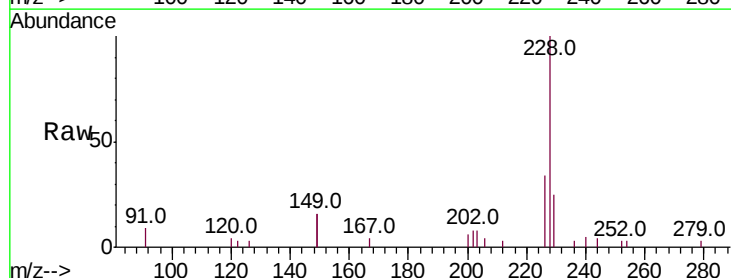
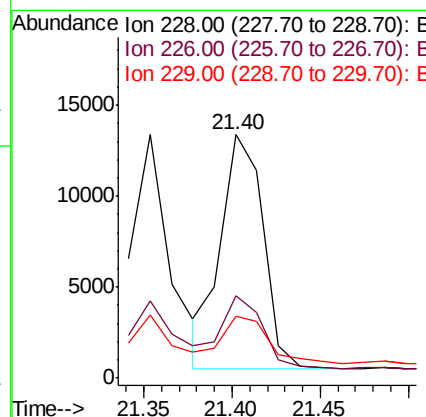
Manual Integrations
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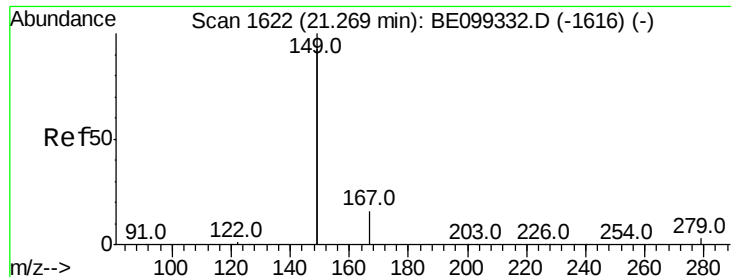
Sohil
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#31
Chrysene
Concen: 0.228 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099398.D
Acq: 27 Apr 2019 3:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.0	23.4	35.2
229	25.4	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.322 ng

RT: 21.27 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE099398.D

Acq: 27 Apr 2019 3:44

Instrument :

BNA_E

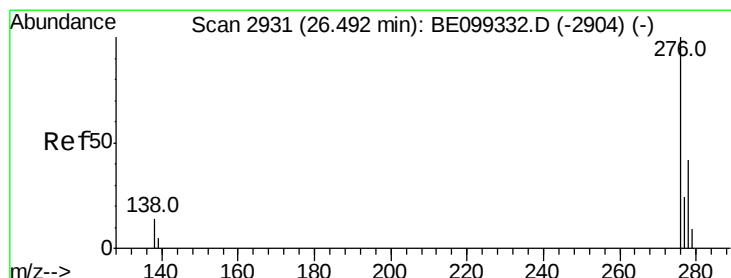
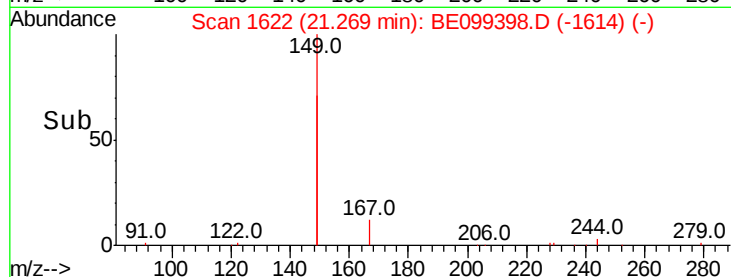
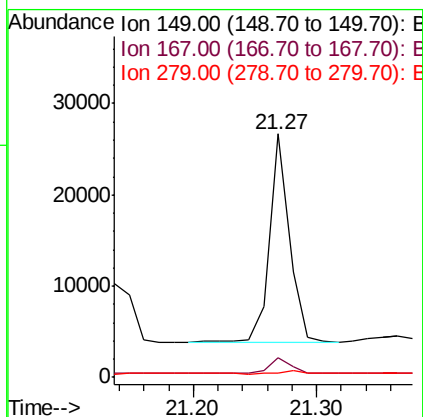
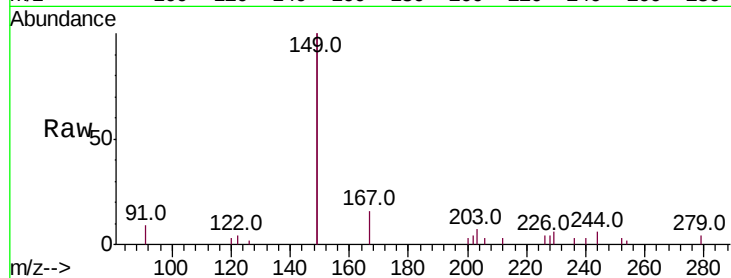
ClientSampleId :

EXT-028-SW022-042219

Tot Ion:	149	Resp:	26294
Ion Ratio	Lower	Upper	
149	100		
167	8.2	6.0	9.0
279	2.0	1.1	1.7#

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.100 ng

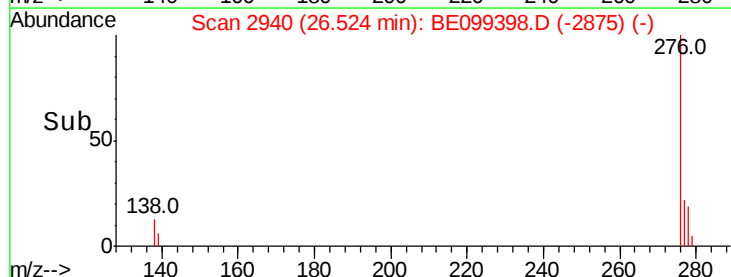
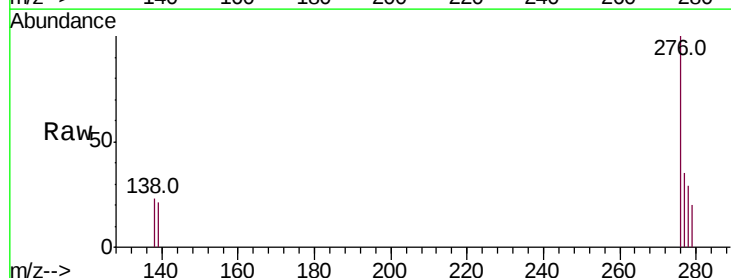
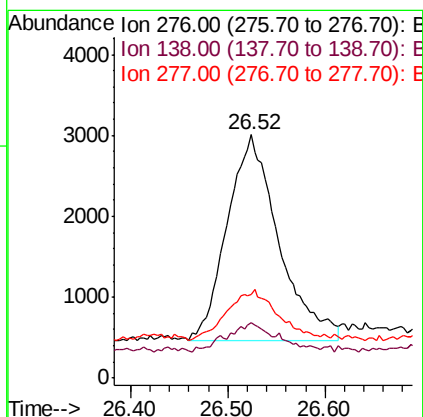
RT: 26.52 min Scan# 2940

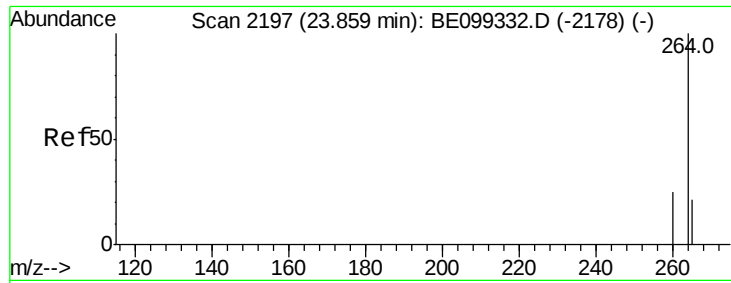
Delta R.T. 0.03 min

Lab File: BE099398.D

Acq: 27 Apr 2019 3:44

Tgt Ion:	276	Resp:	9378
Ion Ratio	Lower	Upper	
276	100		
138	10.2	12.7	19.1#
277	24.4	19.6	29.4





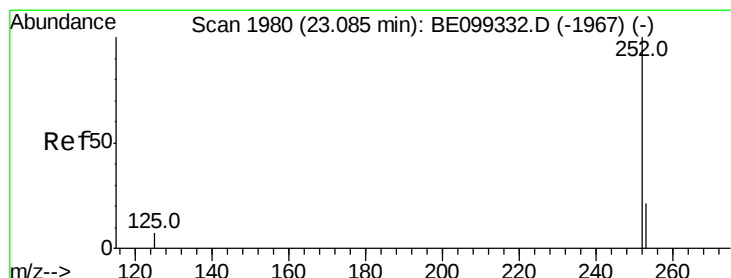
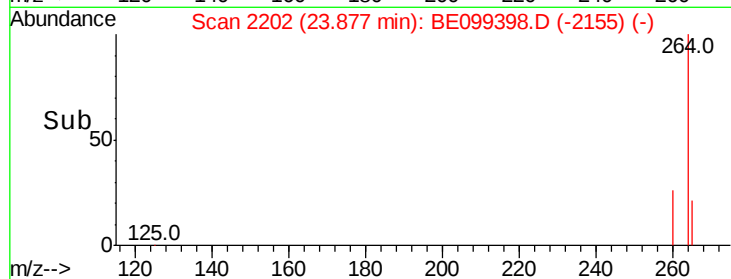
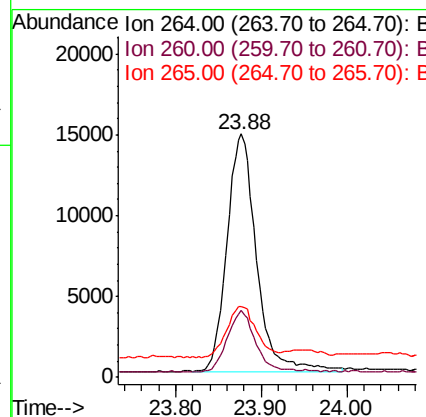
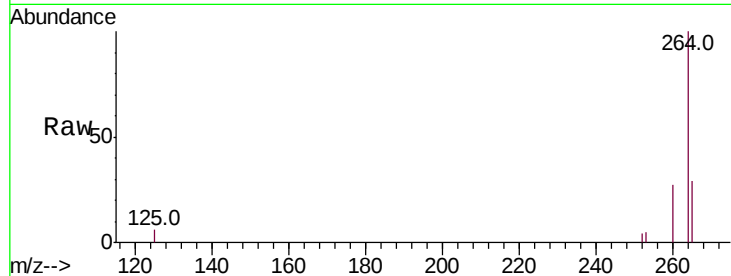
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2202
Delta R.T. 0.02 min
Lab File: BE099398.D
Acq: 27 Apr 2019 3:44

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW022-042219

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.3	20.1	30.1
265	29.1	19.9	29.9

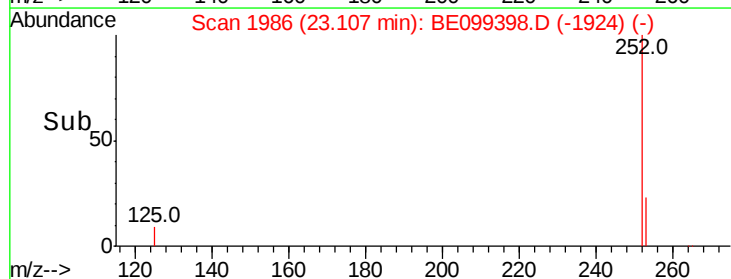
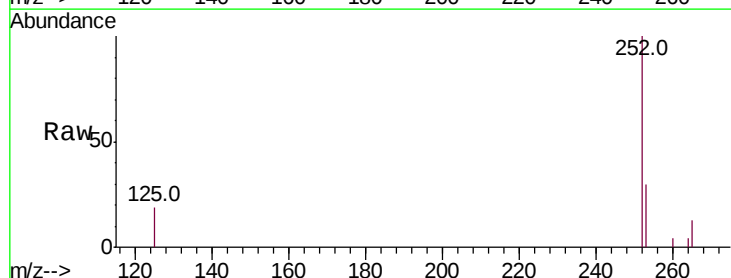
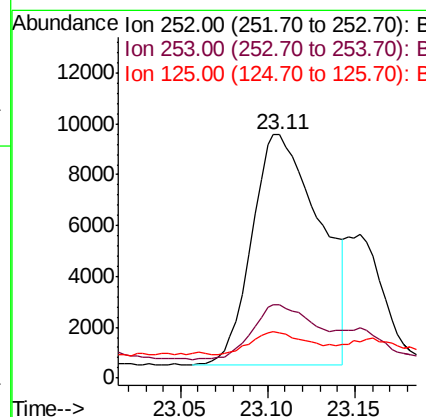
Manual Integrations
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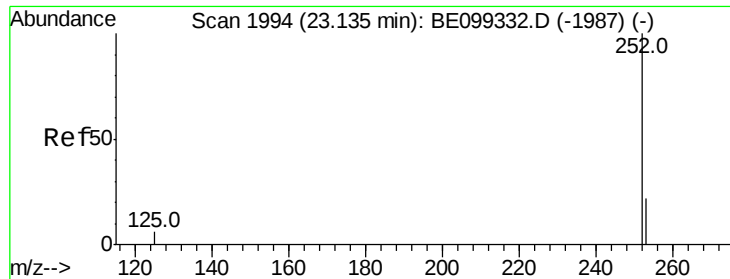
Sohil
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#35
Benzo(b)fluoranthene
Concen: 0.227 ng
RT: 23.11 min Scan# 1986
Delta R.T. 0.02 min
Lab File: BE099398.D
Acq: 27 Apr 2019 3:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.1	17.3	25.9#
125	18.6	5.8	8.6#





#36

Benzo(k)fluoranthene

Concen: 0.073 ng/mL

RT: 23.15 min Scan# 1999

Delta R.T. 0.02 min

Lab File: BE099398.D

Acq: 27 Apr 2019 3:44

Instrument :

BNA_E

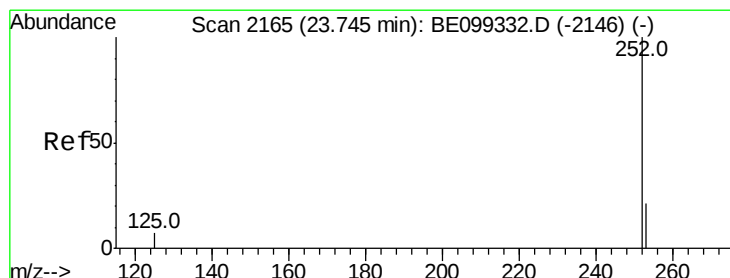
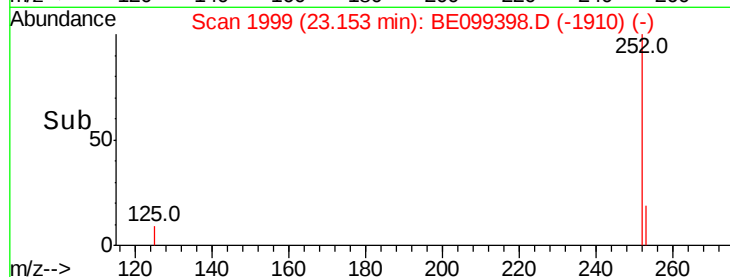
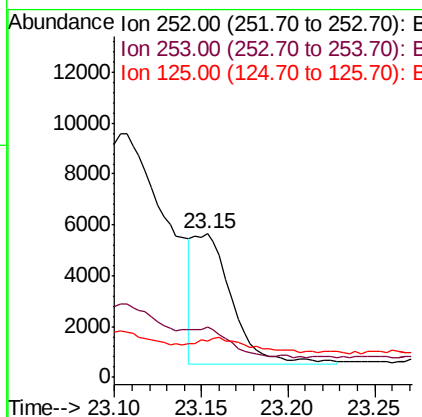
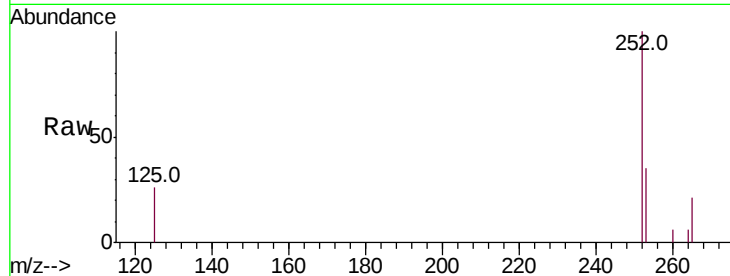
ClientSampleId :

EXT-028-SW022-042219

Tot Ion:	252	Resp:	7810
Ion Ratio	Lower	Upper	
252	100		
253	34.7	18.4	27.6#
125	25.7	5.4	8.0#

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#37

Benzo(a)pyrene

Concen: 0.172 ng/mL

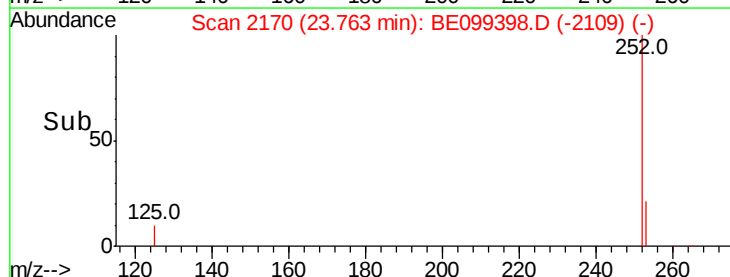
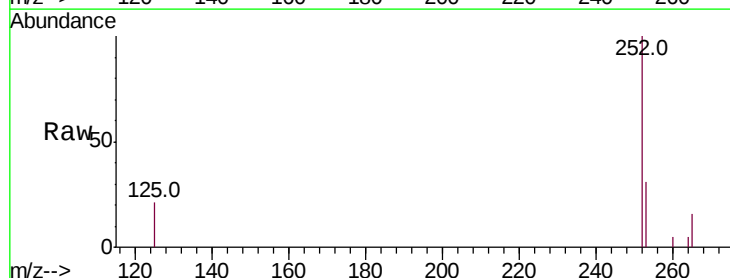
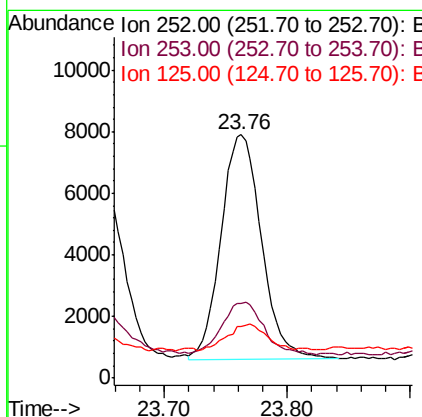
RT: 23.76 min Scan# 2170

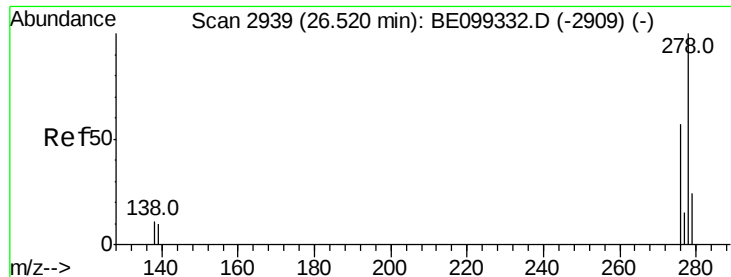
Delta R.T. 0.02 min

Lab File: BE099398.D

Acq: 27 Apr 2019 3:44

Tgt Ion:	252	Resp:	16624
Ion Ratio	Lower	Upper	
252	100		
253	30.5	17.6	26.4#
125	21.2	6.5	9.7#





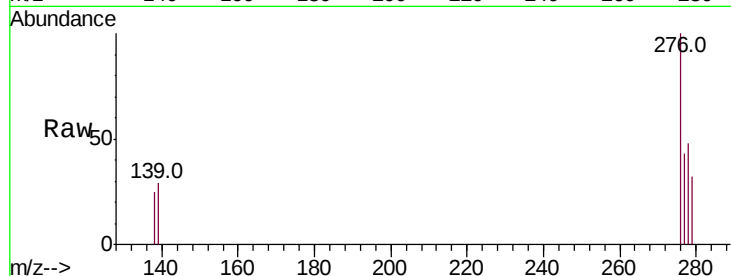
#38
Dibenzo(a,h)anthracene
Concen: 0.026 ng
RT: 26.55 min Scan# 2946
Delta R.T. 0.03 min
Lab File: BE099398.D
Acq: 27 Apr 2019 3:44

Instrument :
BNA_E
ClientSampleId :
EXT-028-SW022-042219

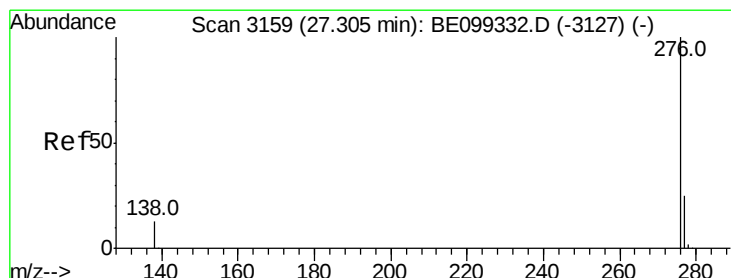
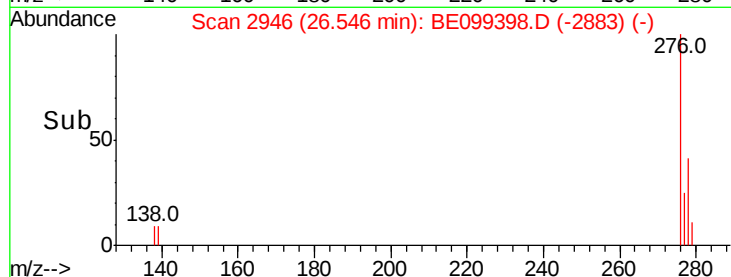
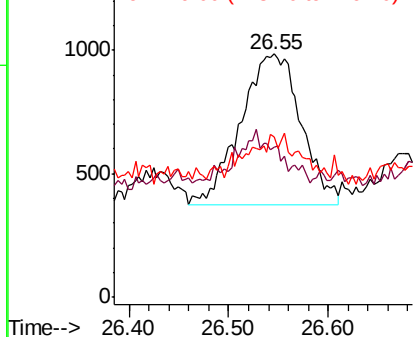
Tot Ion	Ratio	Lower	Upper
278	100		
139	61.5	8.5	12.7#
279	65.8	19.8	29.8#

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#39
Benzo(g,h,i)perylene
Concen: 0.088 ng
RT: 27.35 min Scan# 3172
Delta R.T. 0.05 min
Lab File: BE099398.D
Acq: 27 Apr 2019 3:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	38.3	20.0	30.0#
138	23.0	11.1	16.7#

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

