

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099440.D
 Acq On : 1 May 2019 00:01
 Operator : JU/SJ
 Sample : K2568-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-026-SW042-042219

Manual Integrations
 APPROVED

Sohil
 5/1/2019 12:02:48 PM

Quant Time: May 01 02:29:21 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 29 18:36:43 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	2385	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	8813	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6725	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	21628	0.40	ng	0.00
27) Chrysene-d12	21.37	240	28012	0.40	ng	0.00
34) Perylene-d12	23.86	264	32793	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2362	0.36	ng	0.00
5) Phenol-d6	6.97	99	3462	0.39	ng	0.00
8) Nitrobenzene-d5	8.96	82	2737	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4906	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	1534	0.36	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	7369	0.29	ng	-0.01
25) Fluoranthene-d10	19.22	212	83542	0.29	ng	0.00
29) Terphenyl-d14	19.81	244	18063	0.35	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	2479	0.026	ng	# 92
12) 2-Methylnaphthalene	12.27	142	436	0.026	ng	# 88
16) Acenaphthylene	14.18	152	2472	0.075	ng	95
18) Fluorene	15.49	166	917	0.033	ng	# 87
23) Phenanthrene	17.23	178	25452	0.456	ng	99
24) Anthracene	17.32	178	2333	0.044	ng	# 92
26) Fluoranthene	19.25	202	61133	0.731	ng	100
28) Pyrene	19.61	202	64643	0.885	ng	# 96
30) Benzo(a)anthracene	21.34	228	34055	0.382	ng	94
31) Chrysene	21.40	228	41509	0.475	ng	97
32) Bis(2-ethylhexyl)phthalate	21.26	149	93053	0.667	ng	100
33) Indeno(1,2,3-cd)pyrene	26.50	276	22041	0.214	ng	97
35) Benzo(b)fluoranthene	23.09	252	45017	0.476	ng	# 89
36) Benzo(k)fluoranthene	23.14	252	16799m	0.184	ng	
37) Benzo(a)pyrene	23.75	252	30465	0.341	ng	# 92
38) Dibenzo(a,h)anthracene	26.52	278	6312	0.069	ng	# 59
39) Benzo(g,h,i)perylene	27.32	276	22820	0.249	ng	96

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

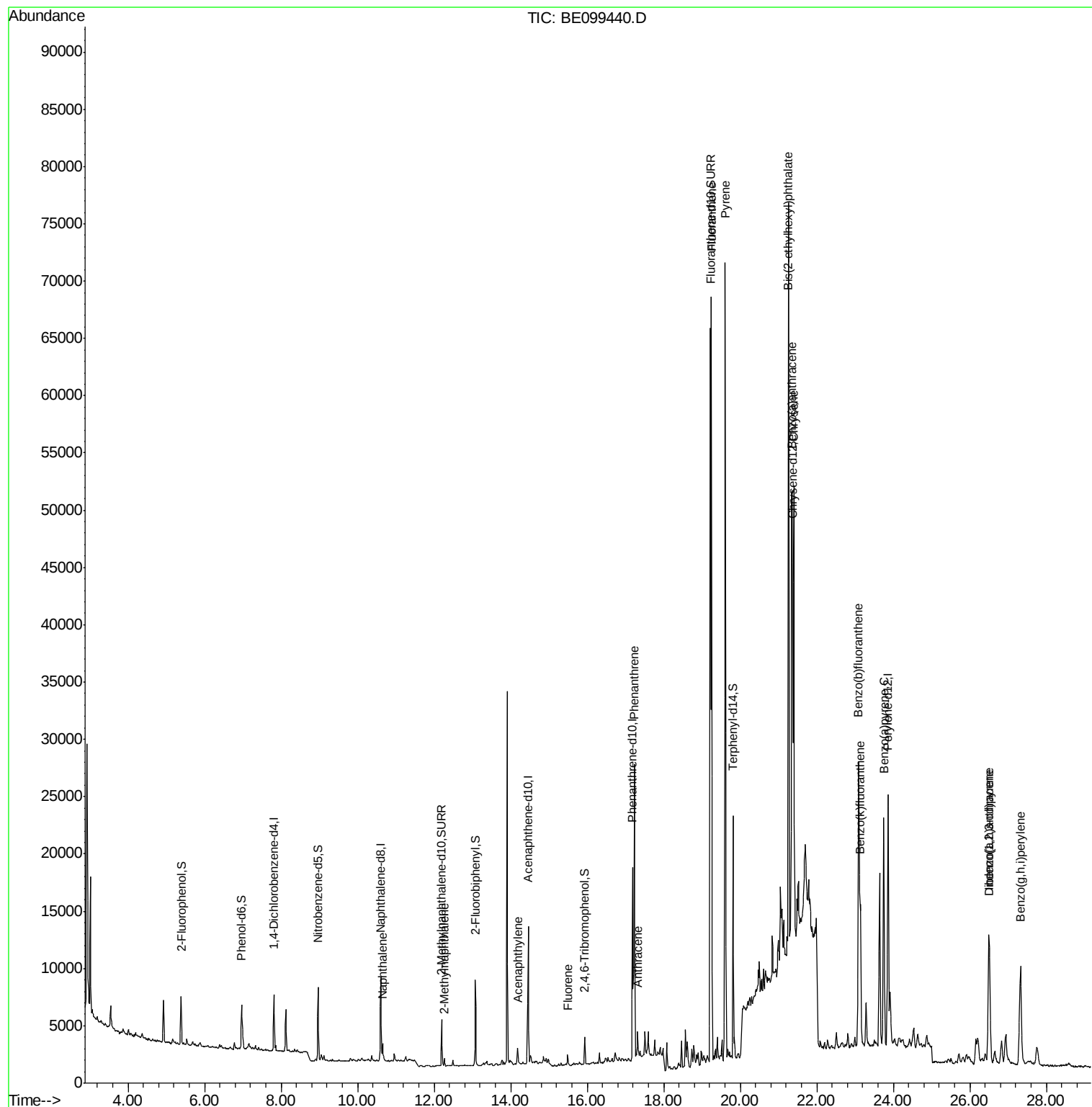
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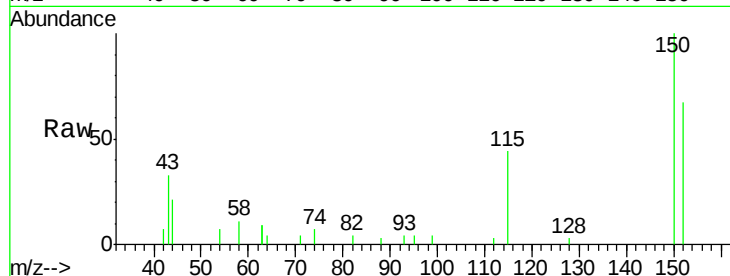




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099440.D
Acq: 1 May 2019 00:01

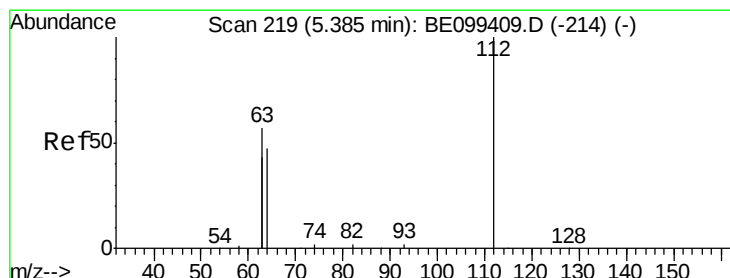
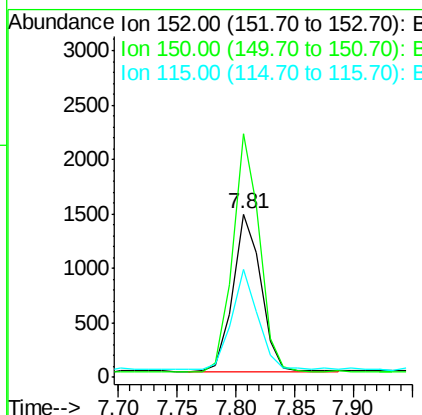
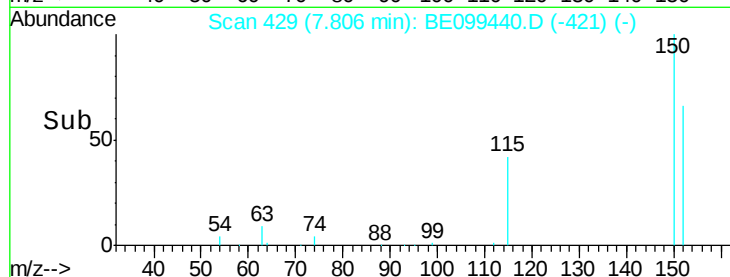
Instrument :
BNA_E
ClientSampleId :
EXT-026-SW042-042219



Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.4	104.8	157.2
115	66.0	46.6	69.8

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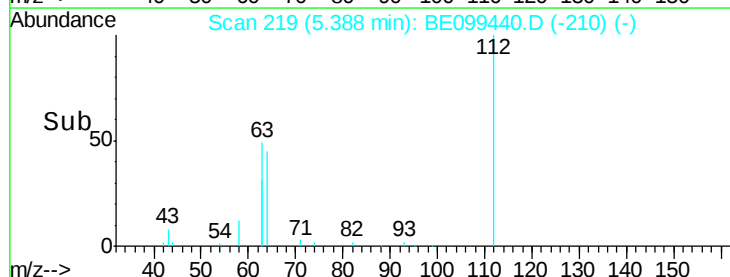
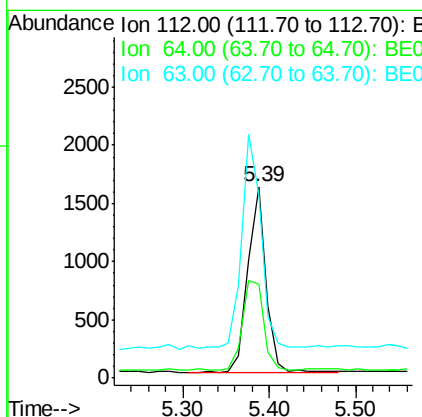
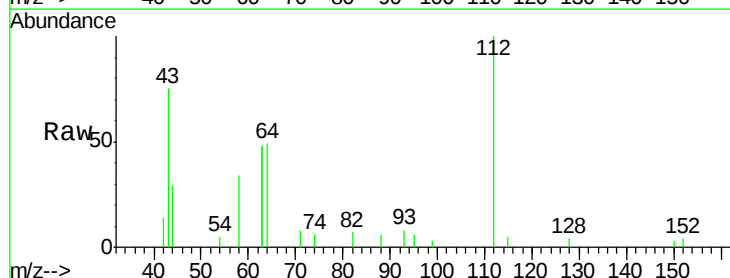
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#4

2-Fluorophenol
Concen: 0.358 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099440.D
Acq: 1 May 2019 00:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	47.4	71.0
63	120.2	104.3	156.5





#5

Phenol-d6

Concen: 0.395 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099440.D

Acq: 1 May 2019 00:01

Instrument :

BNA_E

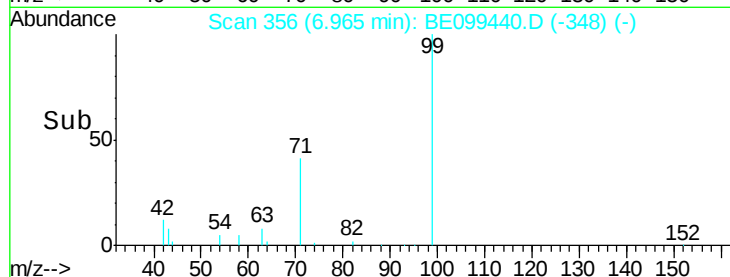
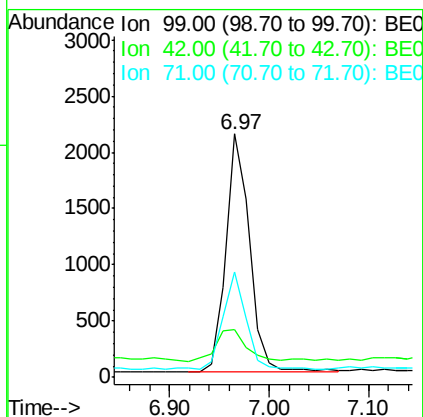
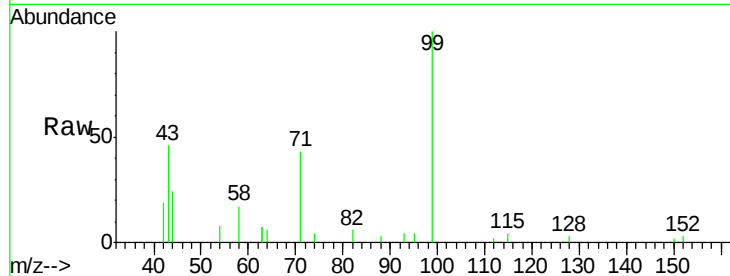
ClientSampleId :

EXT-026-SW042-042219

Tgt Ion:	99	Resp:	3462
Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.9	22.3
71	40.4	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

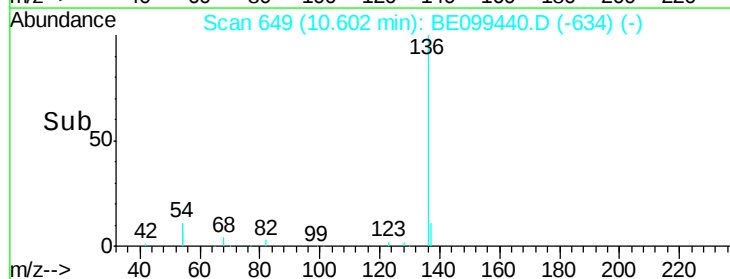
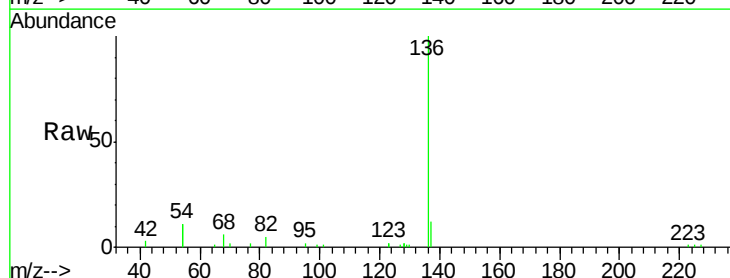
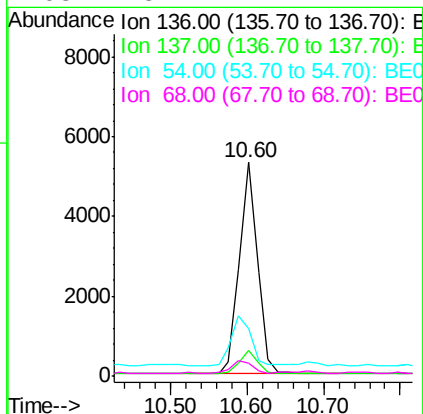
RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099440.D

Acq: 1 May 2019 00:01

Tgt Ion:	136	Resp:	8813
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.8	14.8
54	22.3	18.5	27.7
68	5.7	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.331 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099440.D

Acq: 1 May 2019 00:01

Instrument :

BNA_E

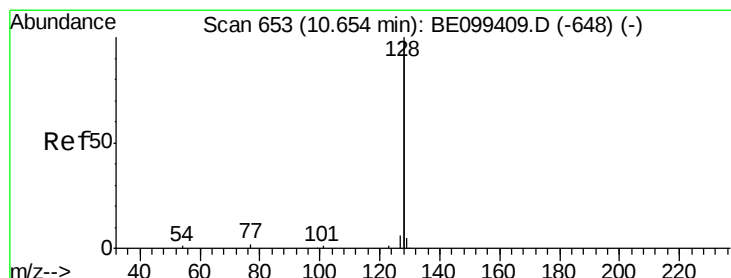
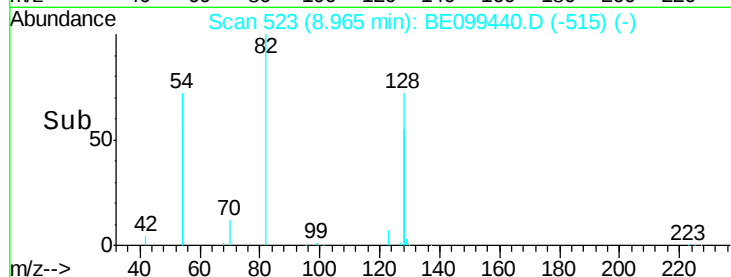
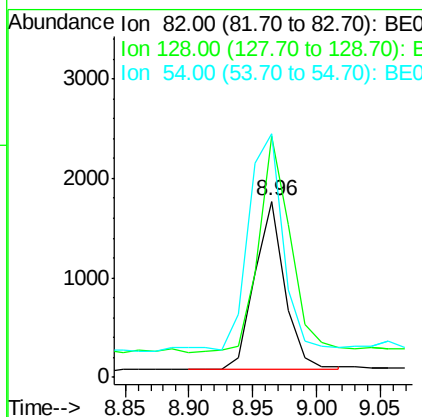
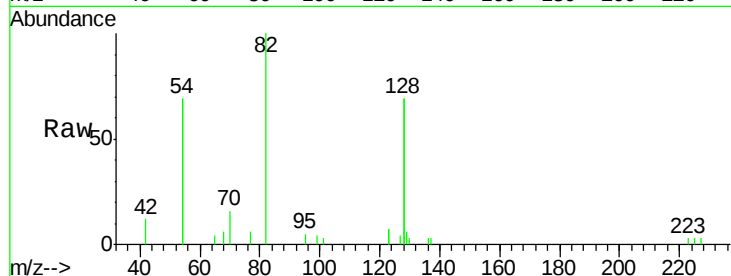
ClientSampleId :

EXT-026-SW042-042219

Tgt Ion:	82	Resp:	2737
Ion Ratio	Lower	Upper	
82	100		
128	137.1	107.0	160.4
54	138.1	113.1	169.7

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#9

Naphthalene

Concen: 0.026 ng

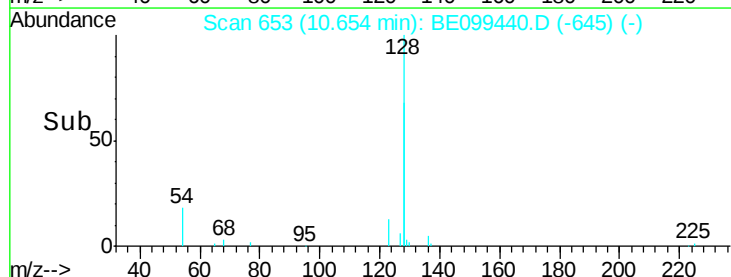
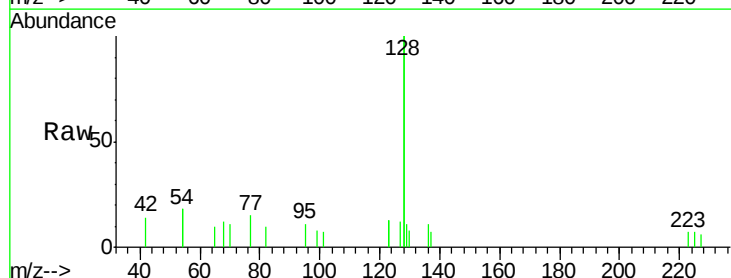
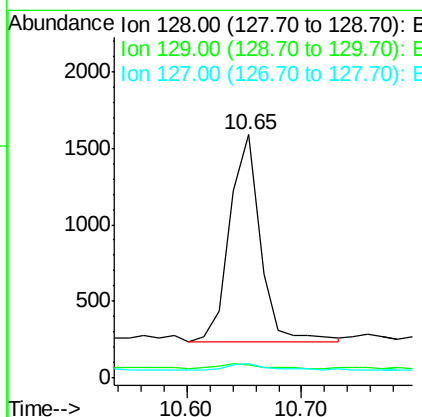
RT: 10.65 min Scan# 653

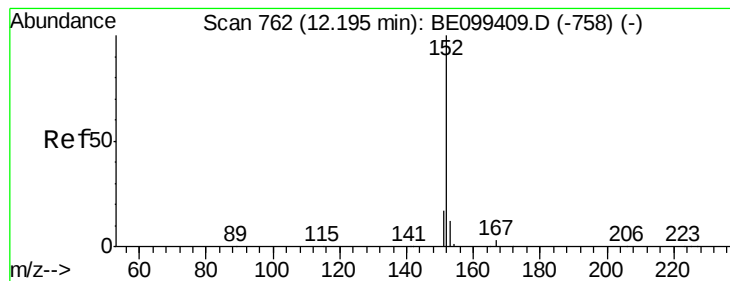
Delta R.T. -0.00 min

Lab File: BE099440.D

Acq: 1 May 2019 00:01

Tgt Ion:	128	Resp:	2479
Ion Ratio	Lower	Upper	
128	100		
129	5.6	2.4	3.6#
127	6.2	2.8	4.2#





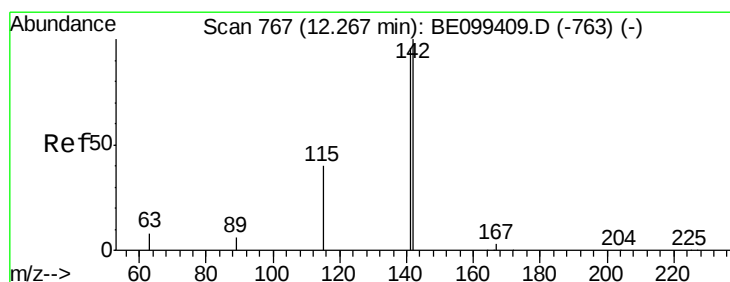
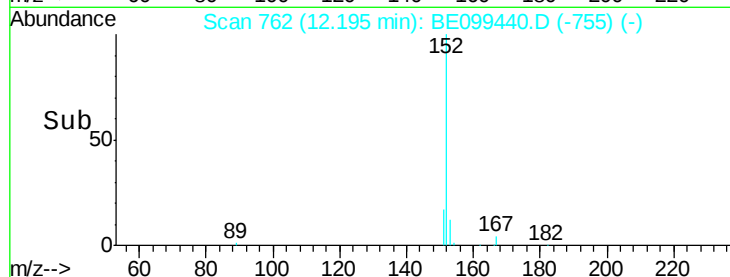
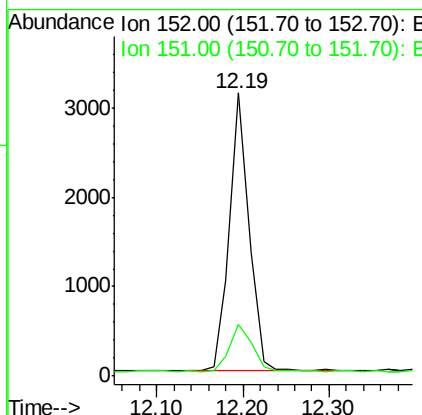
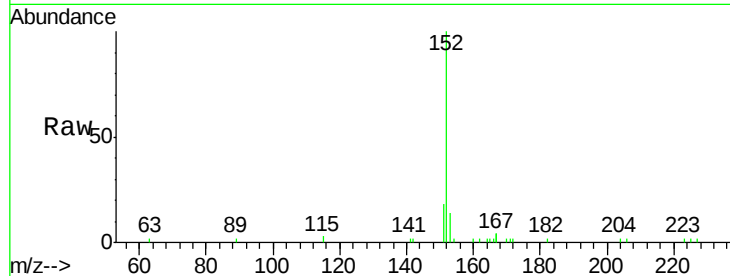
#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099440.D
Acq: 1 May 2019 00:01

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW042-042219

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3

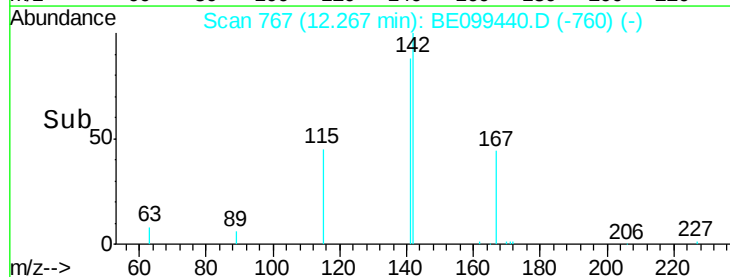
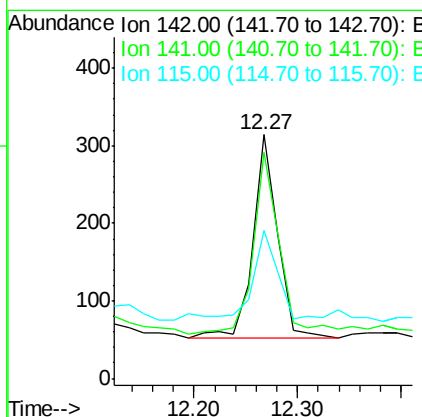
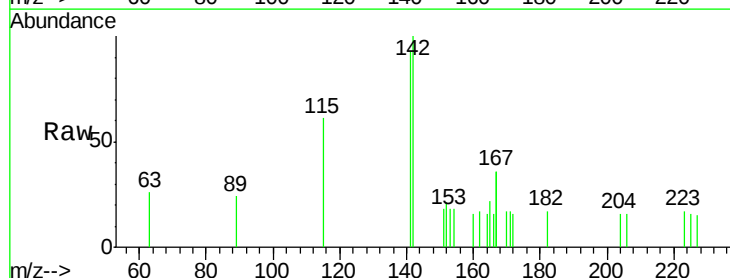
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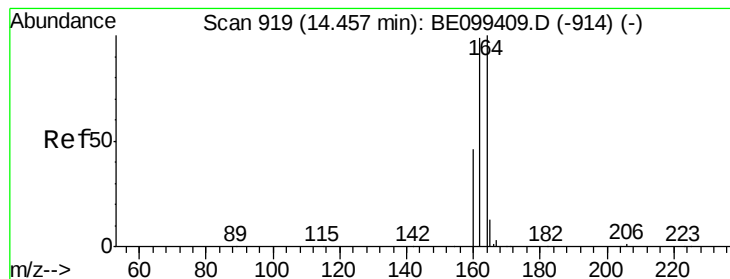
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#12
2-Methylnaphthalene
Concen: 0.026 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099440.D
Acq: 1 May 2019 00:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	77.0	115.4
115	60.8	33.4	50.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099440.D

Acq: 1 May 2019 00:01

Instrument :

BNA_E

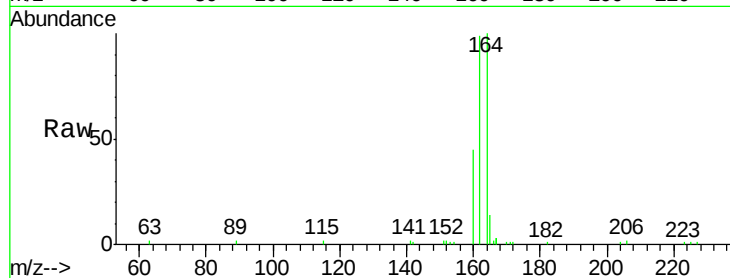
ClientSampleId :

EXT-026-SW042-042219

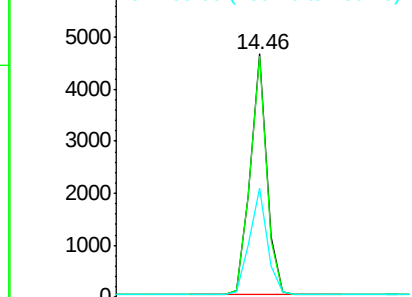
Tgt Ion:	164	Resp:	6725
Ion Ratio	Lower	Upper	
164	100		
162	99.1	79.0	118.4
160	45.0	37.0	55.4

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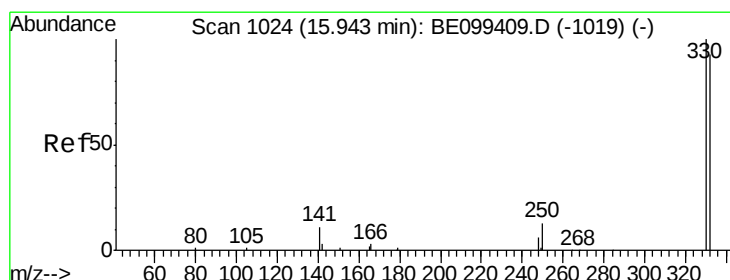
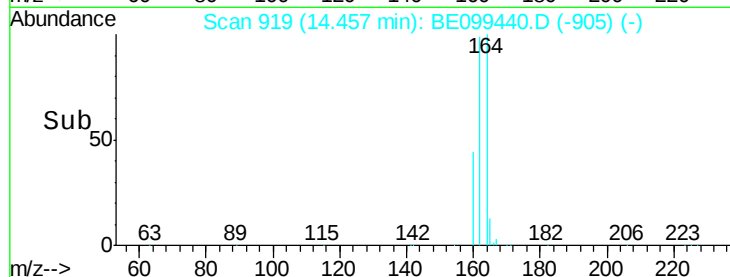
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time--> 14.30 14.40 14.50 14.60



#14

2,4,6-Tribromophenol

Concen: 0.362 ng

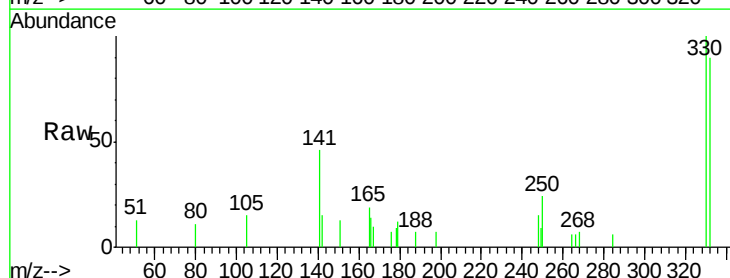
RT: 15.93 min Scan# 1023

Delta R.T. -0.01 min

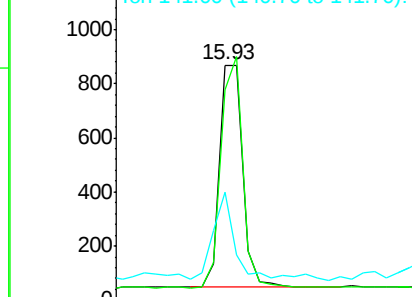
Lab File: BE099440.D

Acq: 1 May 2019 00:01

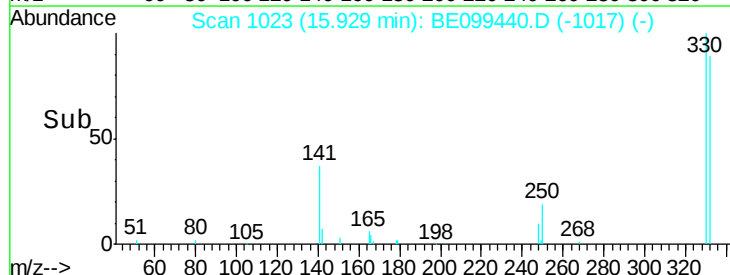
Tgt Ion:	330	Resp:	1534
Ion Ratio	Lower	Upper	
330	100		
332	97.8	71.5	107.3
141	35.5	24.0	36.0

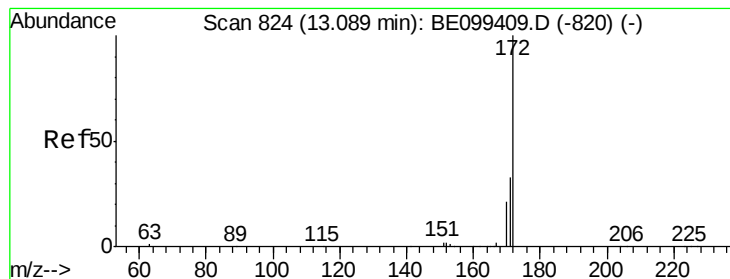


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time--> 15.90 16.00 16.10





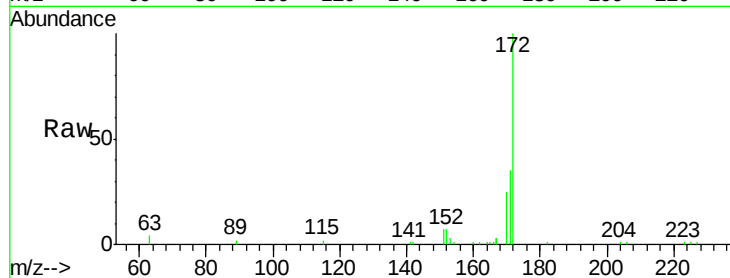
#15
2-Fluorobiphenyl
Concen: 0.287 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099440.D
Acq: 1 May 2019 00:01

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW042-042219

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	26.6	39.8
170	25.5	17.0	25.6

Manual Integrations
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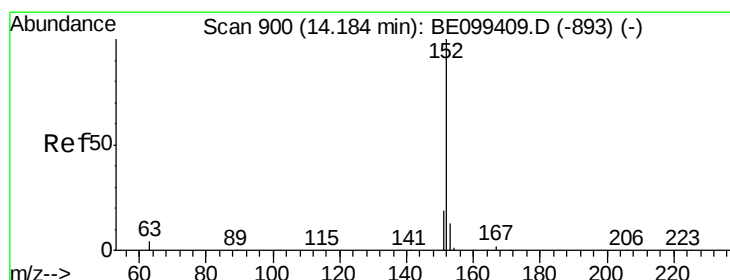
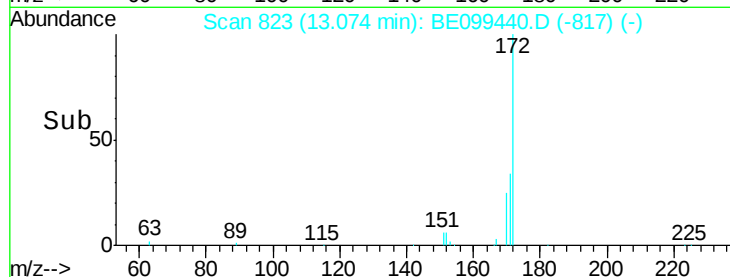
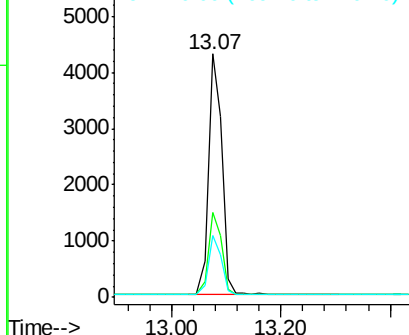


Abundance

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: 0.075 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099440.D
Acq: 1 May 2019 00:01

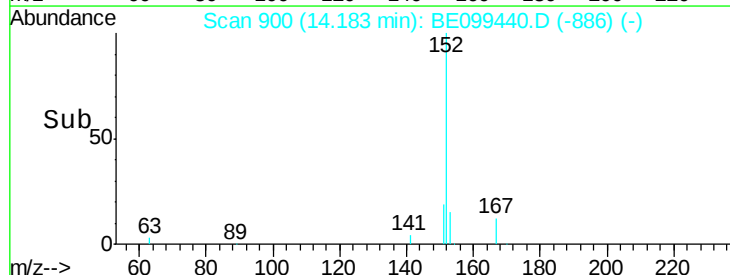
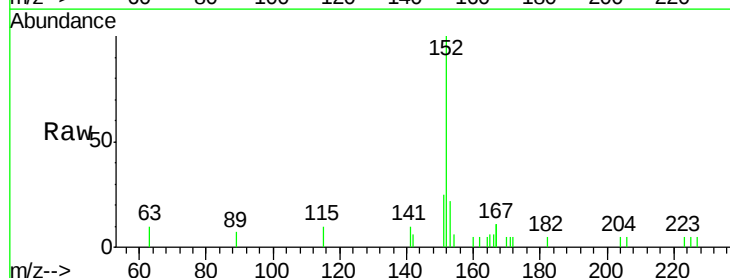
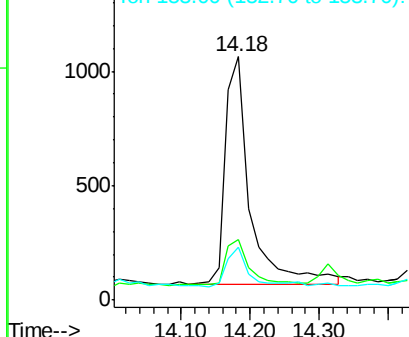
Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.8	15.4	23.2
153	13.4	9.8	14.6

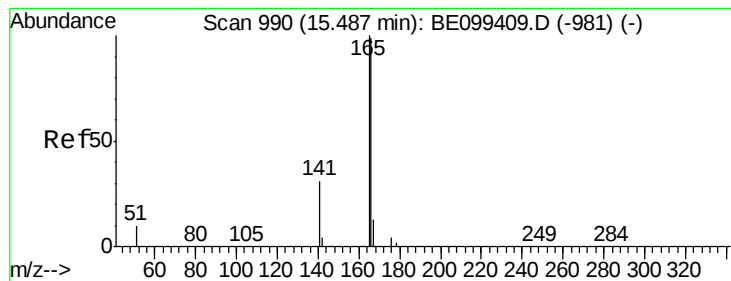
Abundance

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





#18

Fluorene

Concen: 0.033 ng

RT: 15.49 min Scan# 990

Delta R.T. -0.00 min

Lab File: BE099440.D

Acq: 1 May 2019 00:01

Instrument :

BNA_E

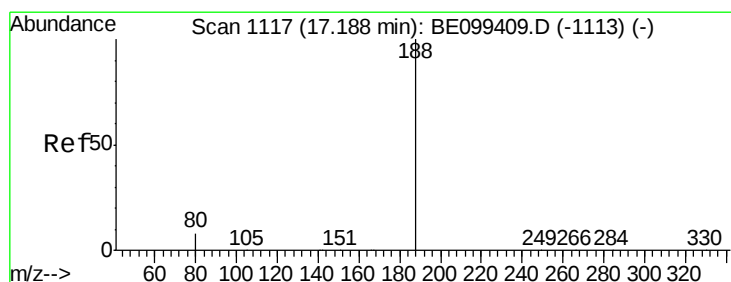
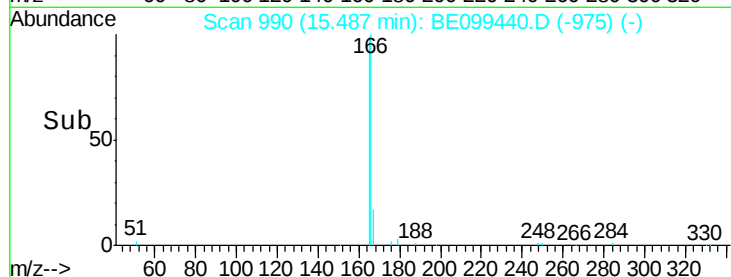
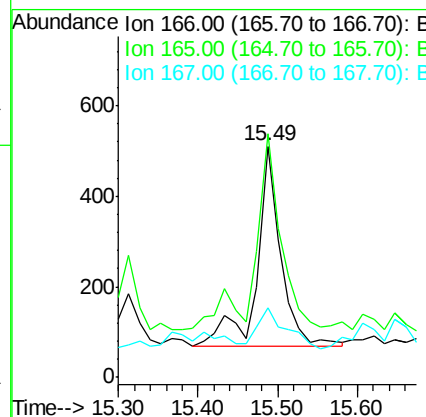
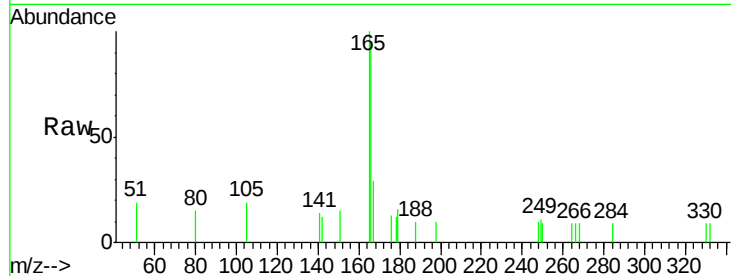
ClientSampleId :

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Tgt Ion:	166	Resp:	917
Ion Ratio	Lower	Upper	
166	100		
165	88.9	80.3	120.5
167	24.3	10.7	16.1#

Manual Integrations
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#19

Phenanthrene-d10

Concen: 0.400 ng

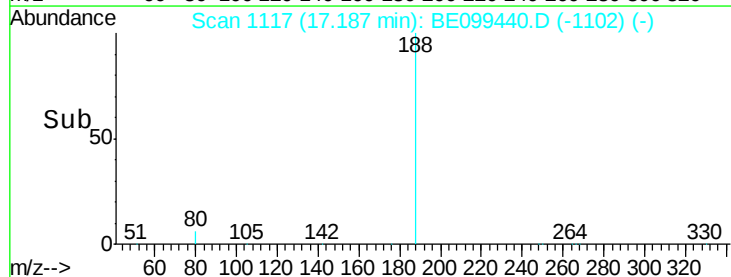
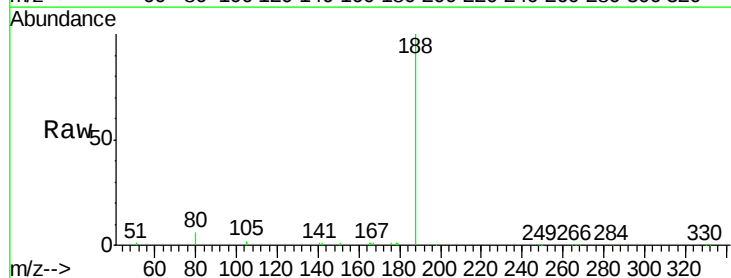
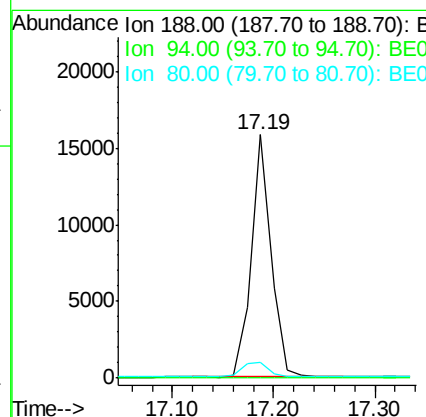
RT: 17.19 min Scan# 1117

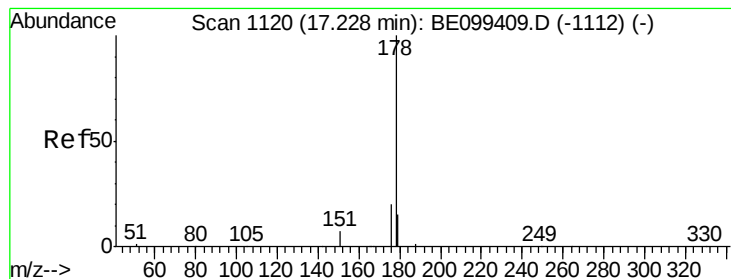
Delta R.T. -0.00 min

Lab File: BE099440.D

Acq: 1 May 2019 00:01

Tgt Ion:	188	Resp:	21628
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.4	6.7	10.1#





#23

Phenanthrene

Concen: 0.456 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE099440.D

Acq: 1 May 2019 00:01

Instrument :

BNA_E

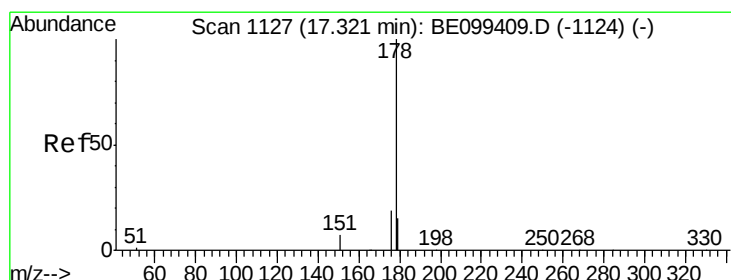
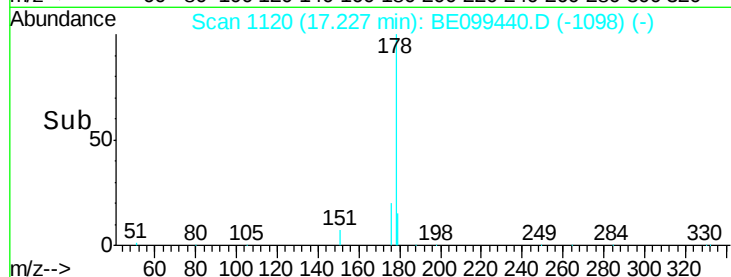
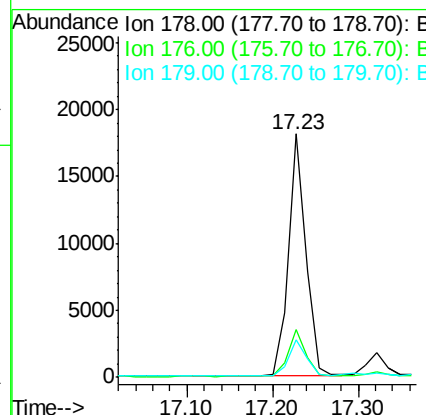
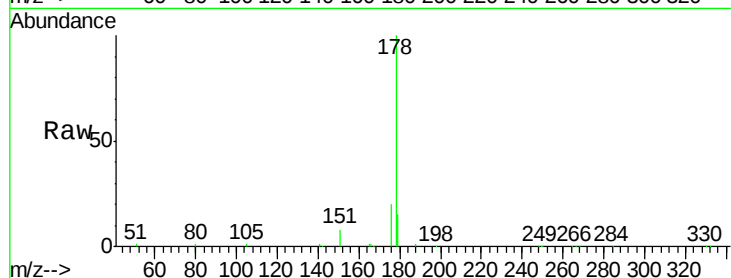
ClientSampleId :

EXT-026-SW042-042219

Tgt Ion:	178	Resp:	25452
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.6	23.4
179	15.3	12.0	18.0

Manual Integrations
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#24

Anthracene

Concen: 0.044 ng

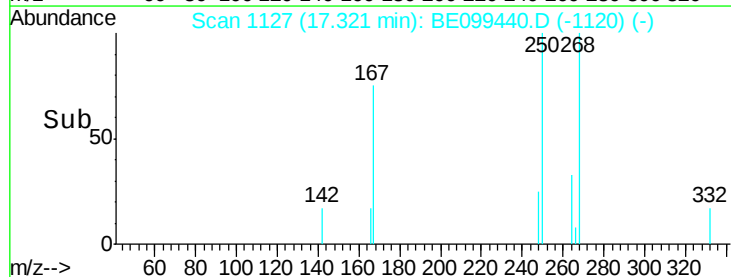
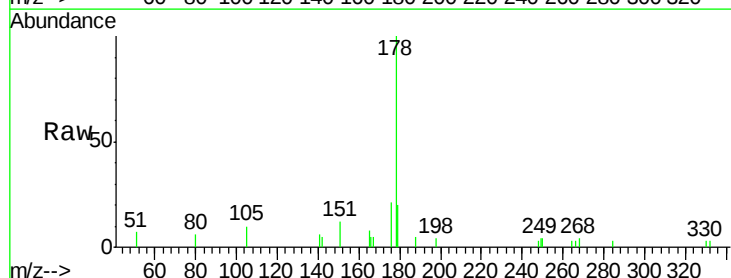
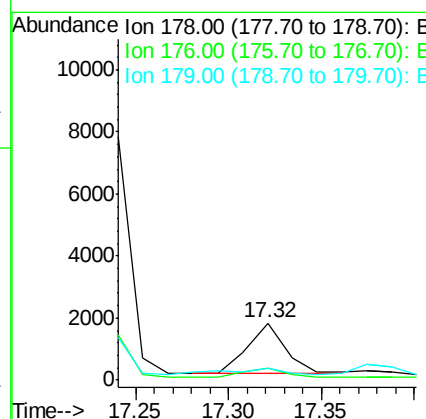
RT: 17.32 min Scan# 1127

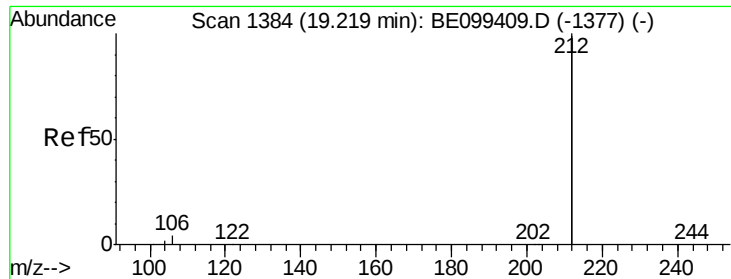
Delta R.T. -0.00 min

Lab File: BE099440.D

Acq: 1 May 2019 00:01

Tgt Ion:	178	Resp:	2333
Ion Ratio	Lower	Upper	
178	100		
176	20.5	14.9	22.3
179	20.2	11.9	17.9#





#25

Fluoranthene-d10

Concen: 0.287 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099440.D

Acq: 1 May 2019 00:01

Instrument :

BNA_E

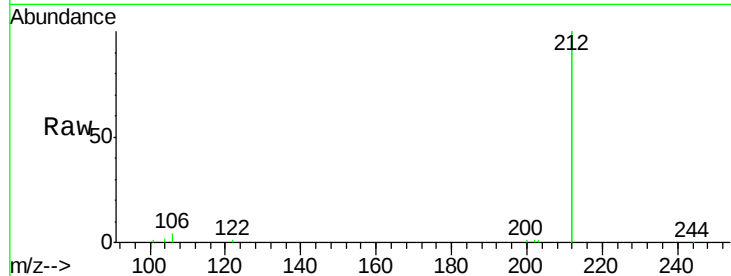
ClientSampleId :

EXT-026-SW042-042219

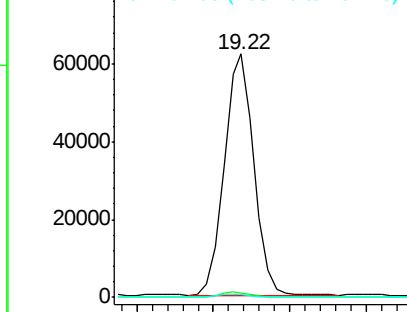
Tgt Ion:	212	Resp:	83542
Ion Ratio	Lower	Upper	
212	100		
106	1.9	1.5	2.3
104	1.1	0.9	1.3

Manual Integrations
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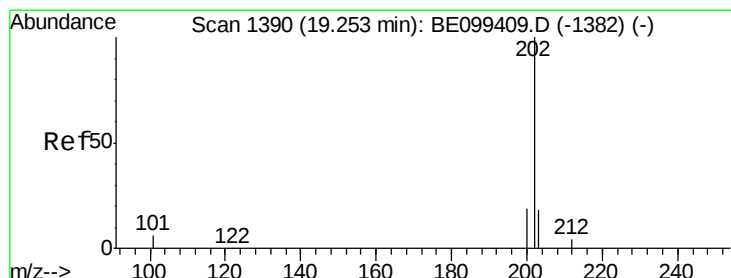
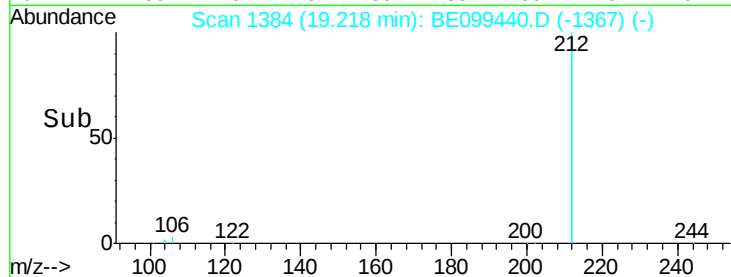
Sohil
5/1/2019 12:02:48 PM



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->



#26

Fluoranthene

Concen: 0.731 ng

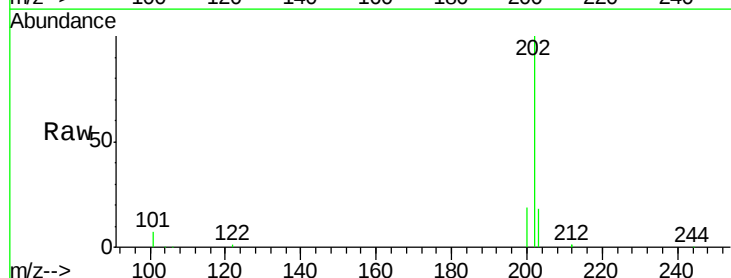
RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

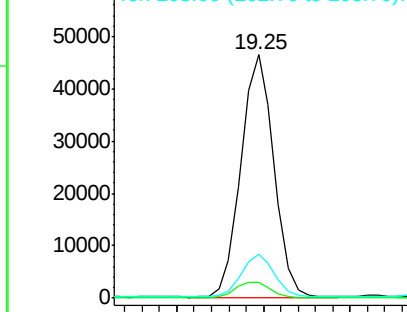
Lab File: BE099440.D

Acq: 1 May 2019 00:01

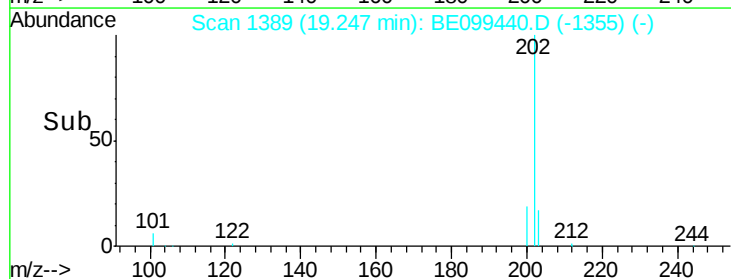
Tgt Ion:	202	Resp:	61133
Ion Ratio	Lower	Upper	
202	100		
101	6.8	5.4	8.0
203	17.3	13.9	20.9

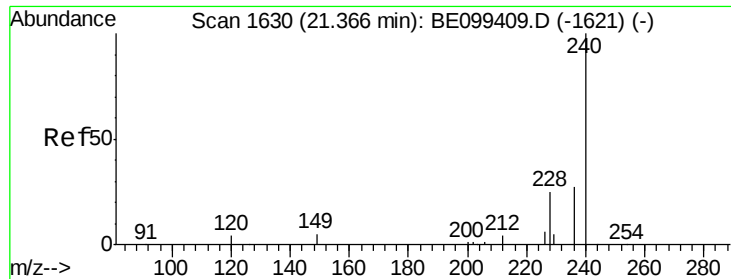


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





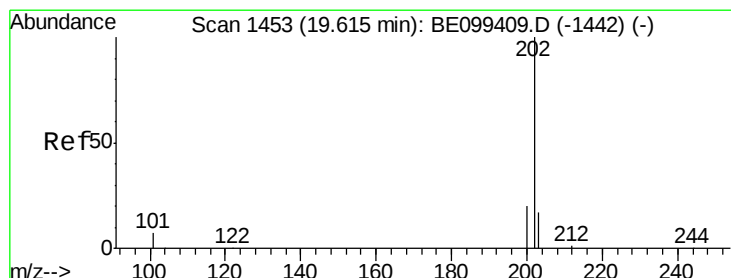
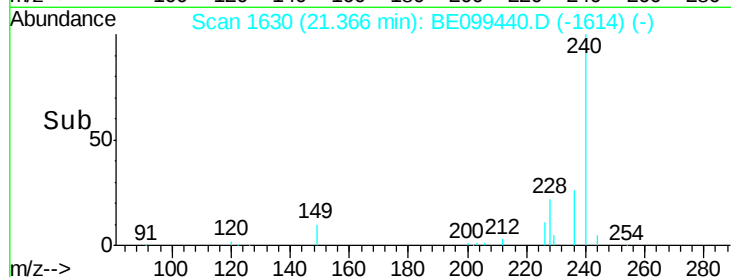
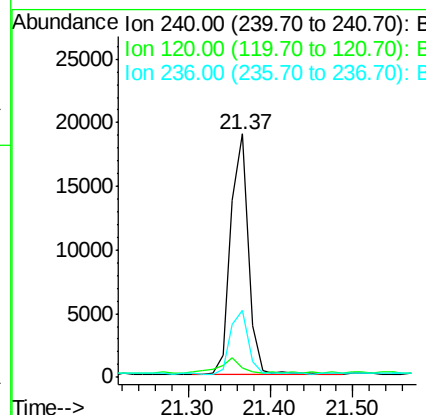
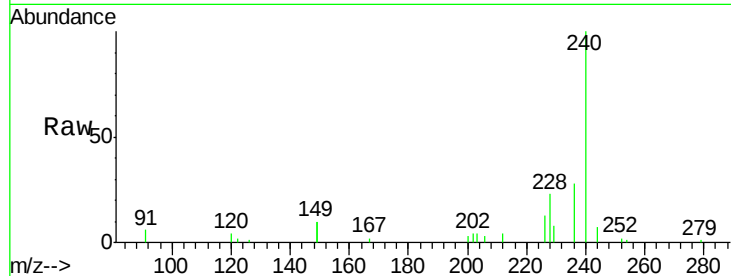
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099440.D
Acq: 1 May 2019 00:01

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW042-042219

Tgt Ion:240 Resp: 28012
Ion Ratio Lower Upper
240 100
120 4.1 4.0 6.0
236 27.6 22.0 33.0

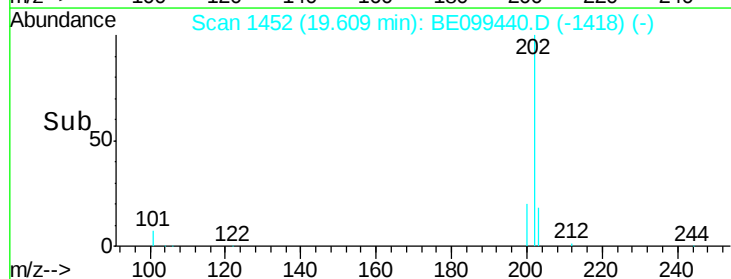
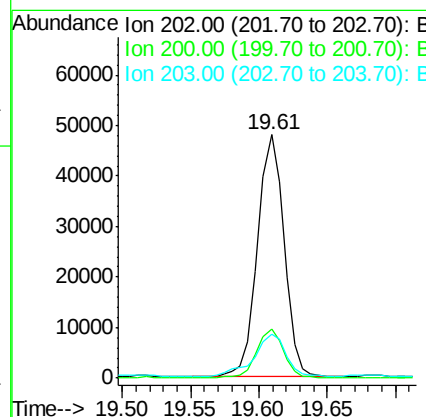
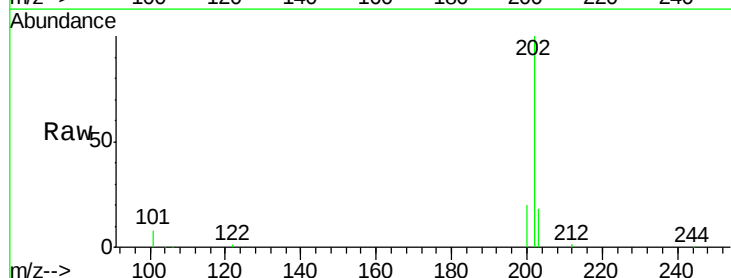
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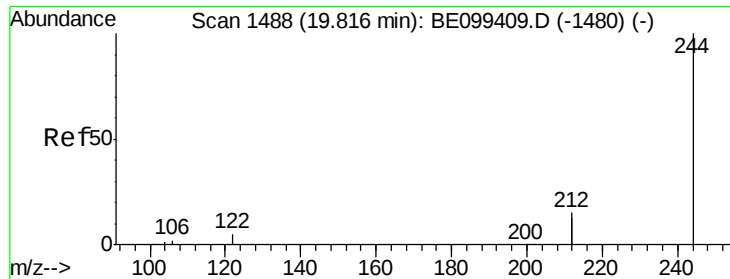
Sohil
5/1/2019 12:02:48 PM



#28
Pyrene
Concen: 0.885 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099440.D
Acq: 1 May 2019 00:01

Tgt Ion:202 Resp: 64643
Ion Ratio Lower Upper
202 100
200 19.9 15.7 23.5
203 21.0 13.9 20.9#





#29

Terphenyl-d14

Concen: 0.352 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099440.D

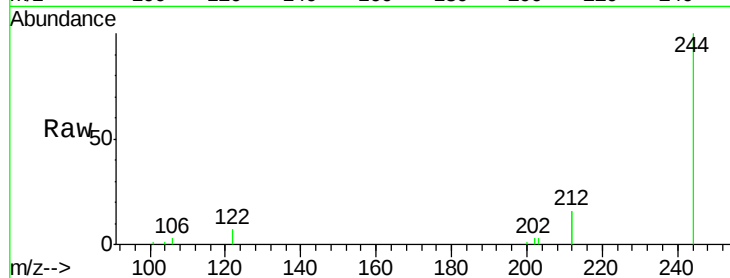
Acq: 1 May 2019 00:01

Instrument :

BNA_E

ClientSampleId :

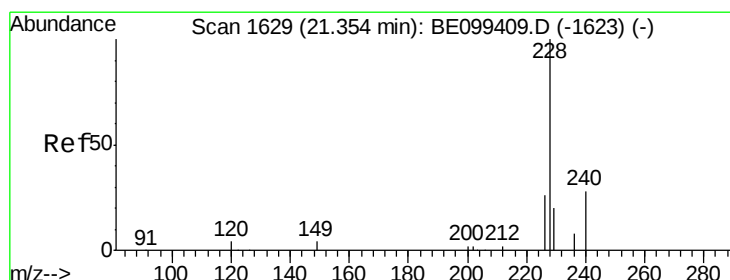
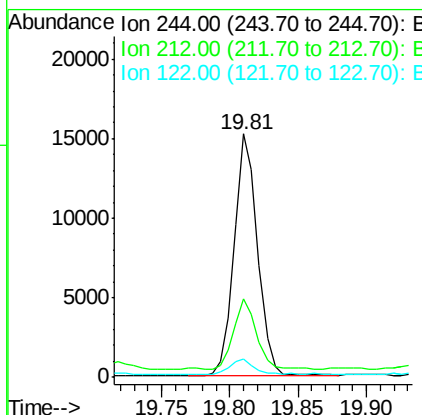
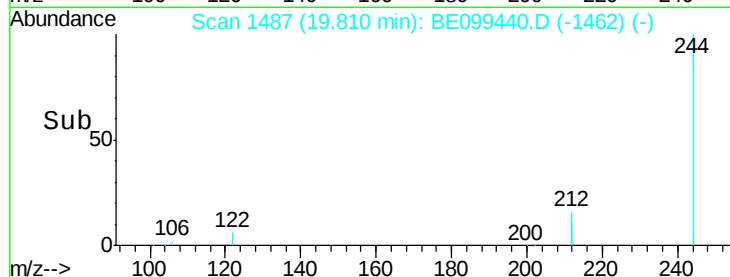
EXT-026-SW042-042219



Tgt Ion:	244	Resp:	18063
Ion Ratio	Lower	Upper	
244	100		
212	32.3	23.2	34.8
122	7.3	4.2	6.4

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#30

Benzo(a)anthracene

Concen: 0.382 ng

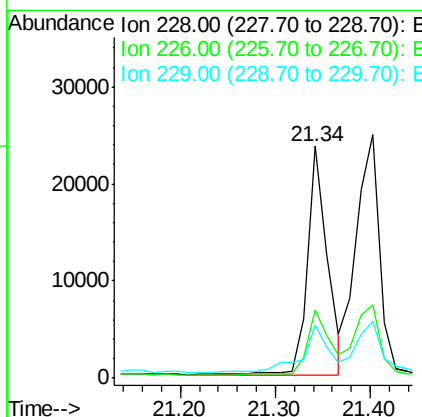
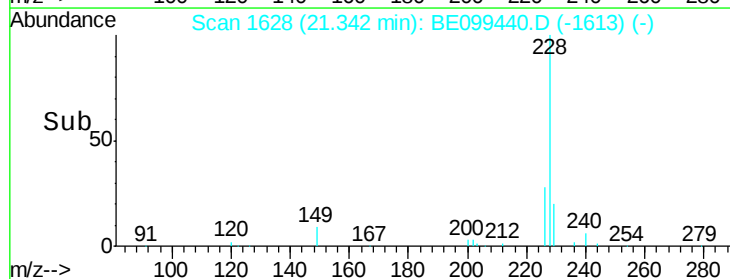
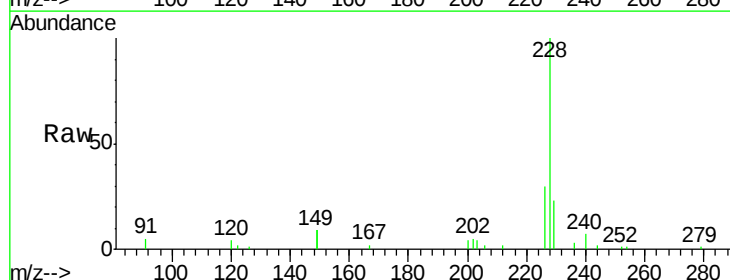
RT: 21.34 min Scan# 1628

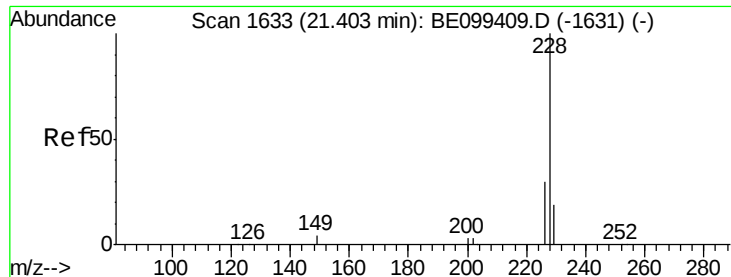
Delta R.T. -0.01 min

Lab File: BE099440.D

Acq: 1 May 2019 00:01

Tgt Ion:	228	Resp:	34055
Ion Ratio	Lower	Upper	
228	100		
226	29.7	21.0	31.6
229	22.7	16.6	25.0





#31

Chrysene

Concen: 0.475 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099440.D

Acq: 1 May 2019 00:01

Instrument :

BNA_E

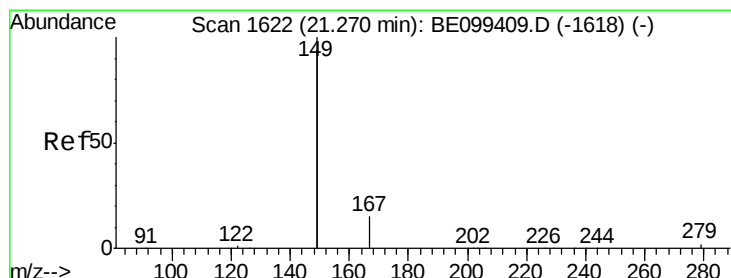
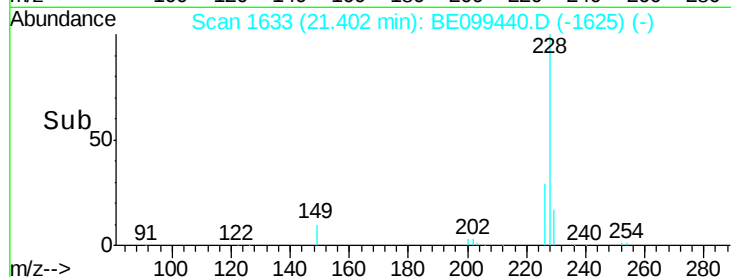
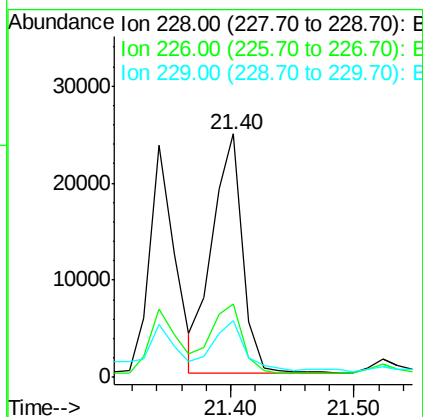
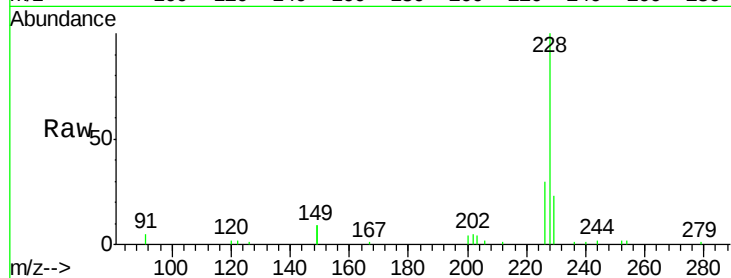
ClientSampleId :

EXT-026-SW042-042219

Tgt Ion:	228	Resp:	41509
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.0	36.0
229	23.4	15.8	23.8

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.667 ng

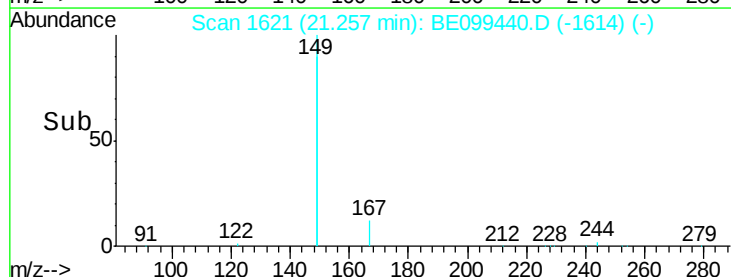
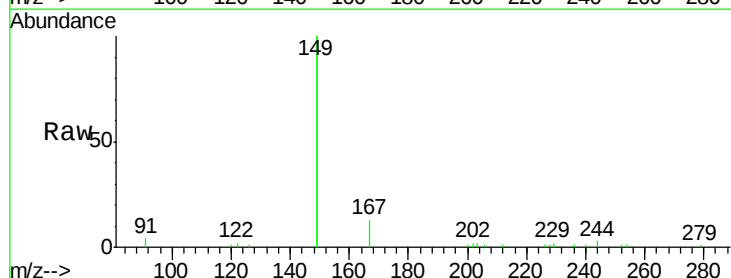
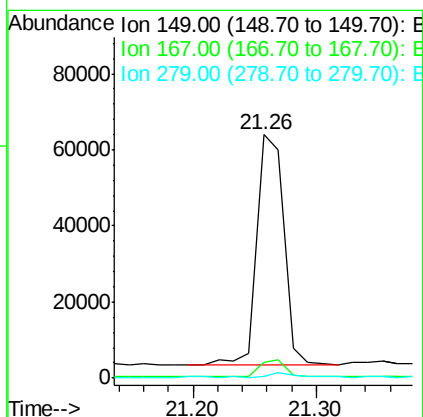
RT: 21.26 min Scan# 1621

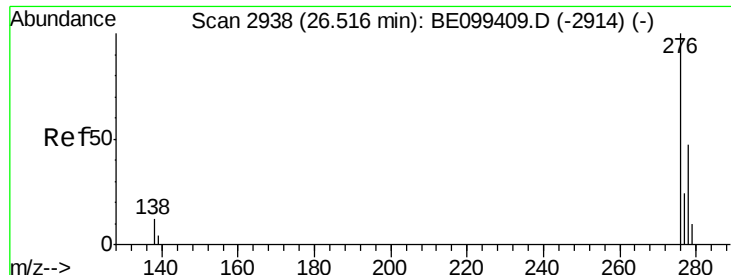
Delta R.T. -0.01 min

Lab File: BE099440.D

Acq: 1 May 2019 00:01

Tgt Ion:	149	Resp:	93053
Ion Ratio	Lower	Upper	
149	100		
167	7.3	5.8	8.6
279	1.5	1.0	1.6





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.214 ng

RT: 26.50 min Scan# 2933

Delta R.T. -0.02 min

Lab File: BE099440.D

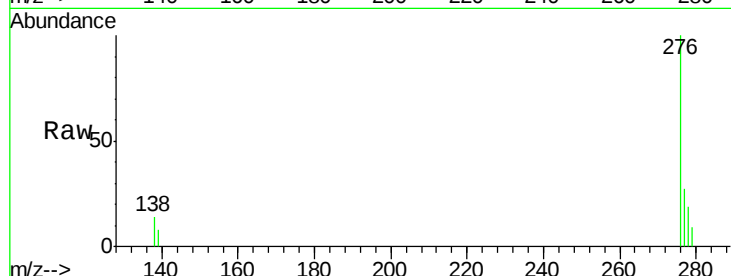
Acq: 1 May 2019 00:01

Instrument :

BNA_E

ClientSampleId :

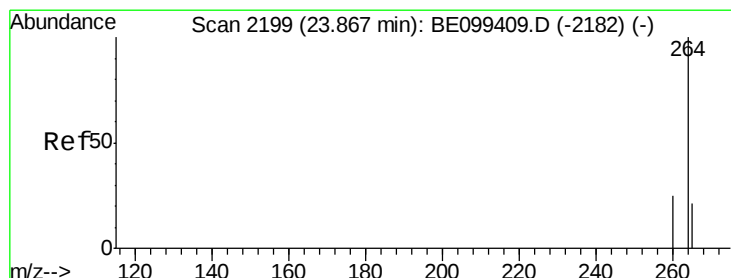
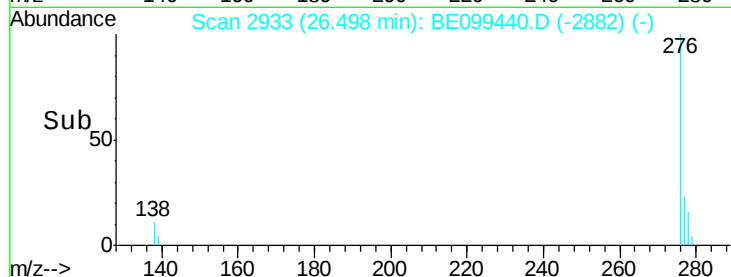
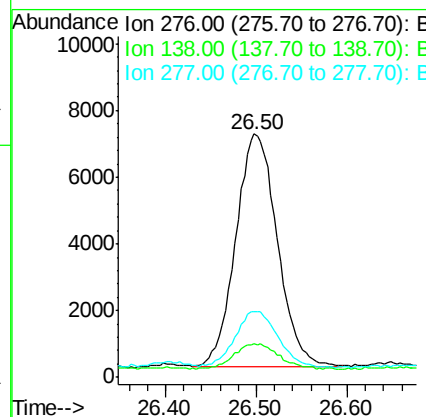
EXT-026-SW042-042219



Tgt Ion:	276	Resp:	22041
Ion Ratio	Lower	Upper	
276	100		
138	11.4	10.2	15.2
277	25.4	19.2	28.8

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#34

Perylene-d12

Concen: 0.400 ng

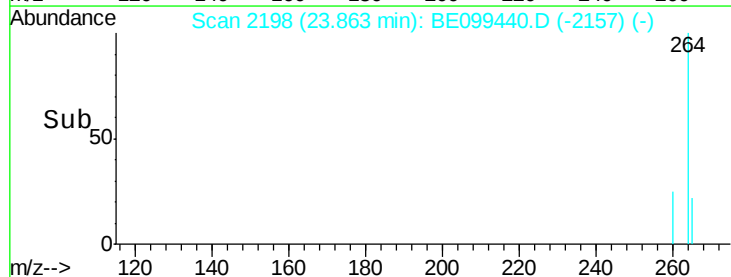
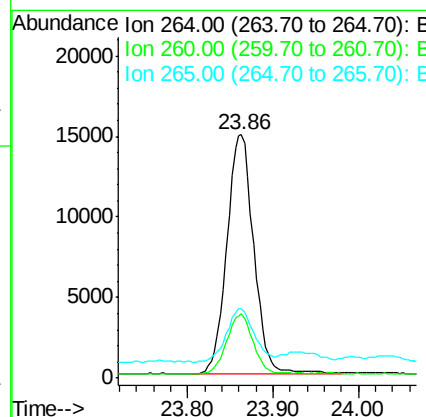
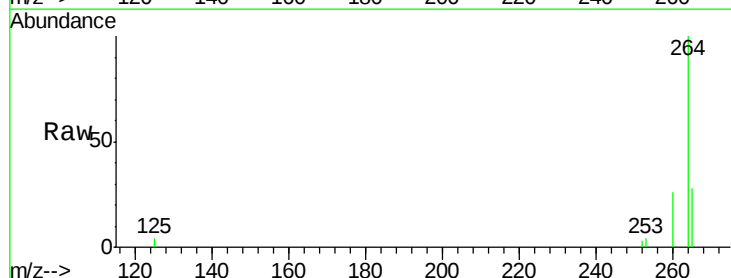
RT: 23.86 min Scan# 2198

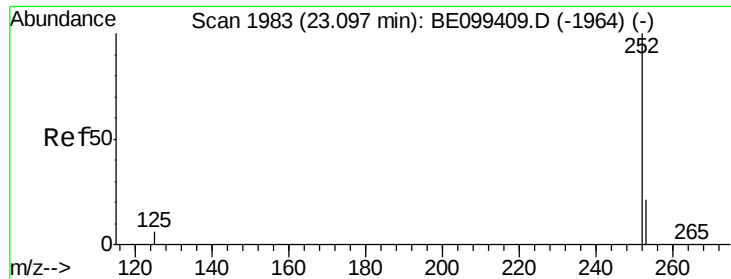
Delta R.T. -0.00 min

Lab File: BE099440.D

Acq: 1 May 2019 00:01

Tgt Ion:	264	Resp:	32793
Ion Ratio	Lower	Upper	
264	100		
260	26.4	20.2	30.2
265	28.4	21.3	31.9





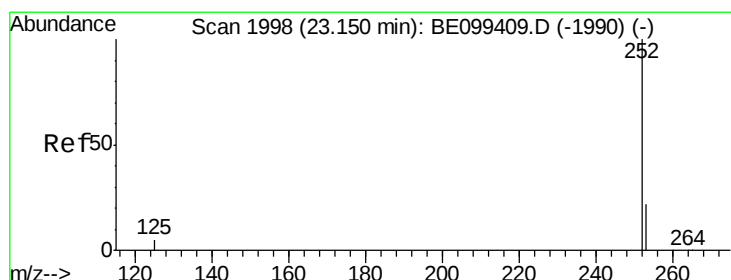
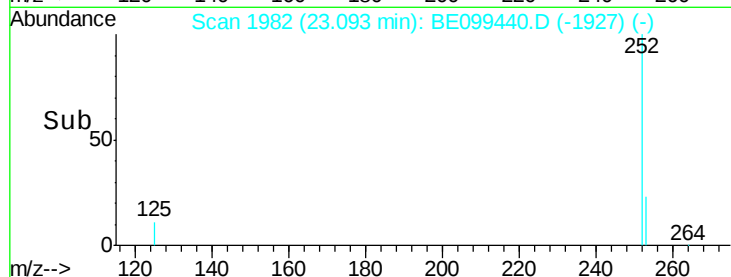
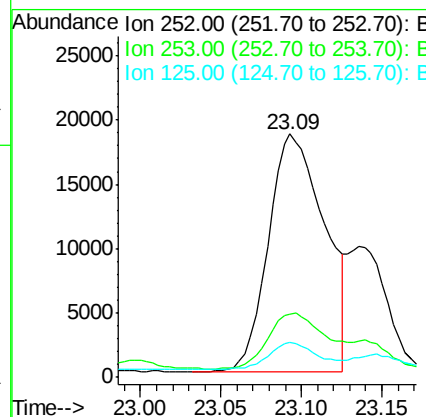
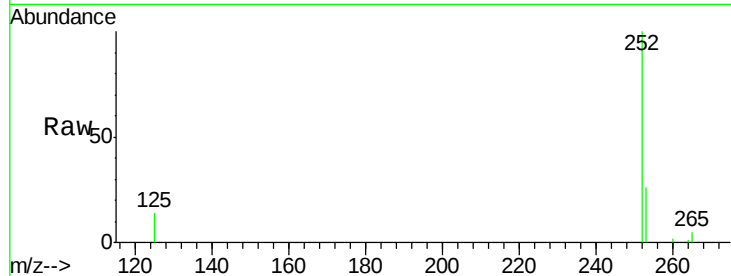
#35
Benzo(b)fluoranthene
Concen: 0.476 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE099440.D
Acq: 1 May 2019 00:01

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW042-042219

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.1	27.1
125	14.3	5.6	8.4#

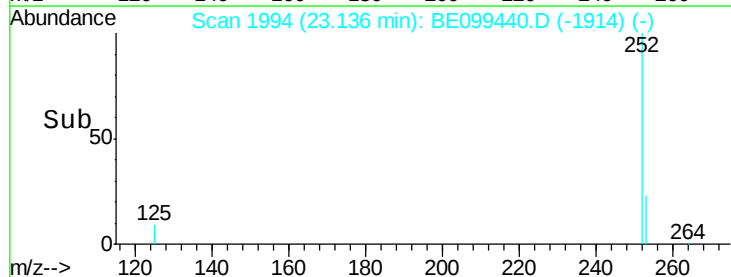
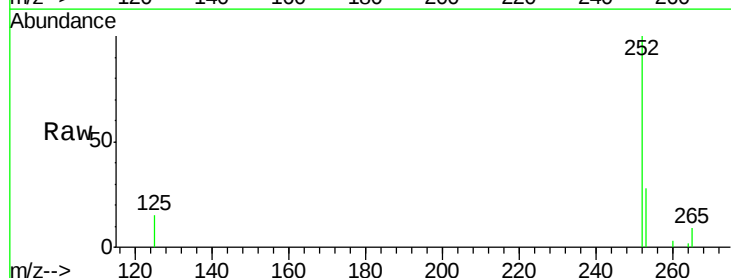
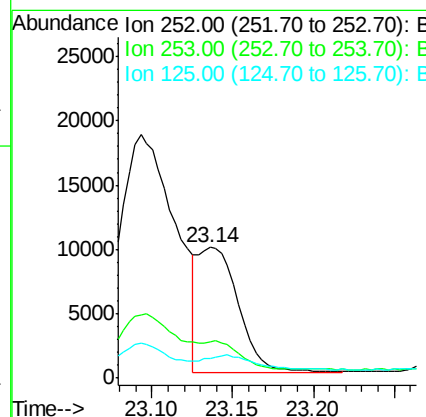
Manual Integrations
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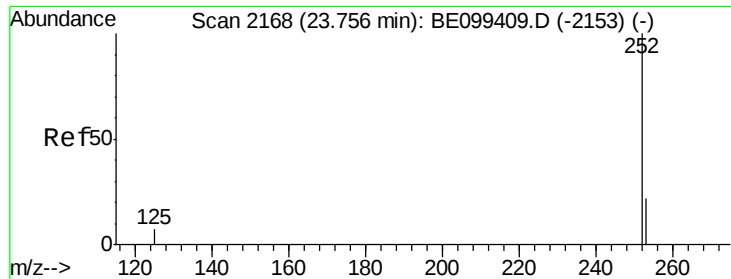
Sohil
5/1/2019 12:02:48 PM



#36
Benzo(k)fluoranthene
Concen: 0.184 ng m
RT: 23.14 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BE099440.D
Acq: 1 May 2019 00:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	18.4	27.6#
125	15.5	5.0	7.4#





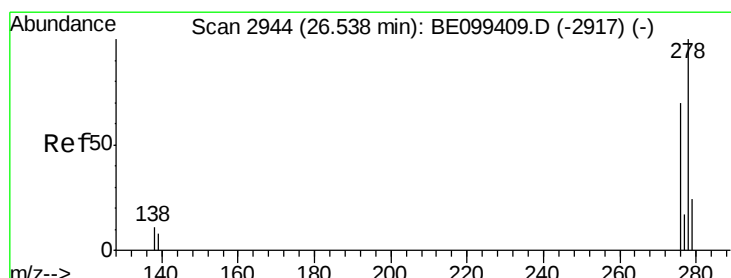
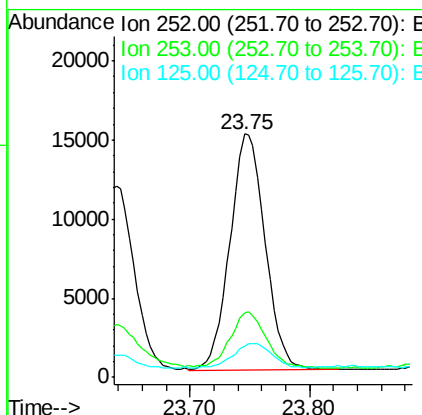
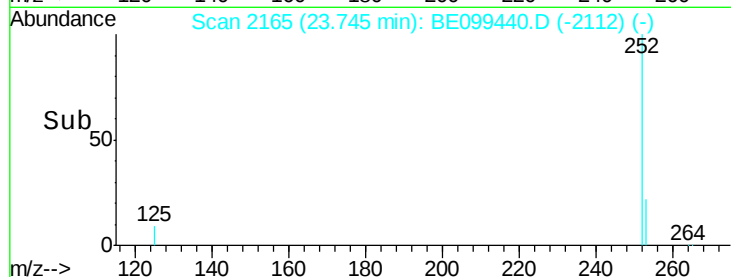
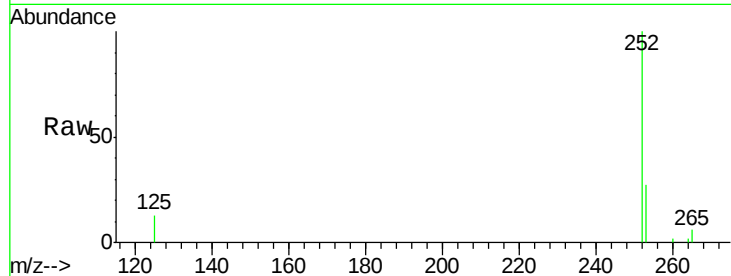
#37
Benzo(a)pyrene
Concen: 0.341 ng
RT: 23.75 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BE099440.D
Acq: 1 May 2019 00:01

Instrument :
BNA_E
ClientSampleId :
EXT-026-SW042-042219

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.9	28.3
125	13.0	6.7	10.1#

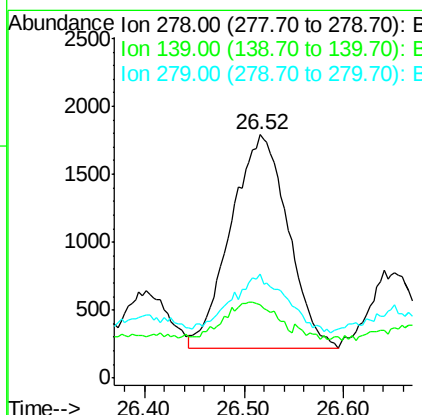
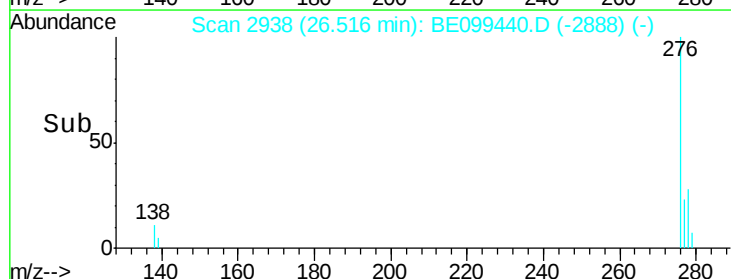
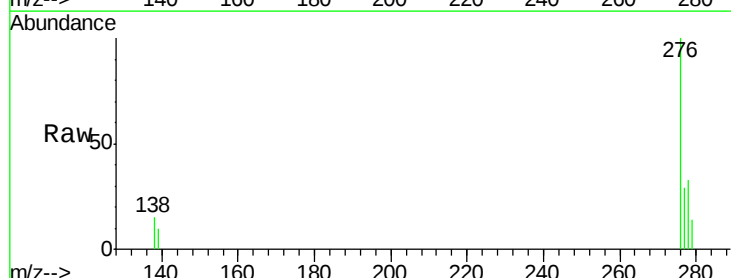
Manual Integrations
APPROVED

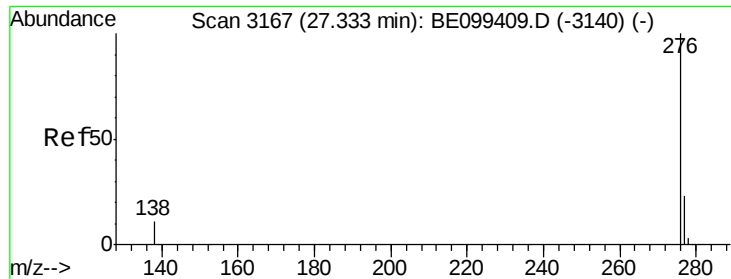
Sohil
5/1/2019 12:02:48 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.069 ng
RT: 26.52 min Scan# 2938
Delta R.T. -0.02 min
Lab File: BE099440.D
Acq: 1 May 2019 00:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.2	7.7	11.5#
279	42.8	20.2	30.2#





#39

Benzo(g,h,i)perylene

Concen: 0.249 ng

RT: 27.32 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BE099440.D

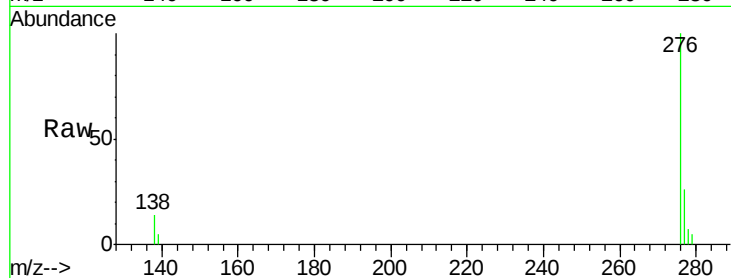
Acq: 1 May 2019 00:01

Instrument :

BNA_E

ClientSampleId :

EXT-026-SW042-042219



Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.5	29.3
138	14.2	9.6	14.4

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5/1/2019 12:02:48 PM

