

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
 Data File : BE099483.D
 Acq On : 2 May 2019 3:24
 Operator : JU/SJ
 Sample : K2568-13
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-074-SW057-042219

Manual Integrations
 APPROVED

Sohil
 5/2/2019 4:47:55 PM

Quant Time: May 02 08:45:05 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	7.80	152	2131	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	8165	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6882	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	21730	0.40	ng	0.00
27) Chrysene-d12	21.37	240	26793	0.40	ng	0.00
34) Perylene-d12	23.86	264	29963	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	1736	0.29	ng	0.00
5) Phenol-d6	6.97	99	2435	0.31	ng	0.00
8) Nitrobenzene-d5	8.97	82	1985	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4086	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1362	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	5923	0.23	ng	-0.02
25) Fluoranthene-d10	19.22	212	66886	0.23	ng	0.00
29) Terphenyl-d14	19.81	244	13907	0.28	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	3782	0.043	ng	# 95
12) 2-Methylnaphthalene	12.27	142	756	0.049	ng	92
16) Acenaphthylene	14.18	152	3085	0.092	ng	94
18) Fluorene	15.49	166	1121	0.040	ng	# 83
23) Phenanthrene	17.23	178	29697	0.530	ng	99
24) Anthracene	17.32	178	3706	0.069	ng	# 91
26) Fluoranthene	19.25	202	76355	0.909	ng	99
28) Pyrene	19.61	202	76756	1.099	ng	96
30) Benzo(a)anthracene	21.34	228	45918	0.538	ng	96
31) Chrysene	21.40	228	47795	0.572	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	20406	0.098	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.50	276	29258	0.296	ng	99
35) Benzo(b)fluoranthene	23.09	252	58260	0.674	ng	# 94
36) Benzo(k)fluoranthene	23.14	252	19825m	0.238	ng	
37) Benzo(a)pyrene	23.75	252	41087	0.503	ng	98
38) Dibenzo(a,h)anthracene	26.52	278	7363	0.088	ng	# 78
39) Benzo(g,h,i)perylene	27.33	276	27978	0.334	ng	99

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

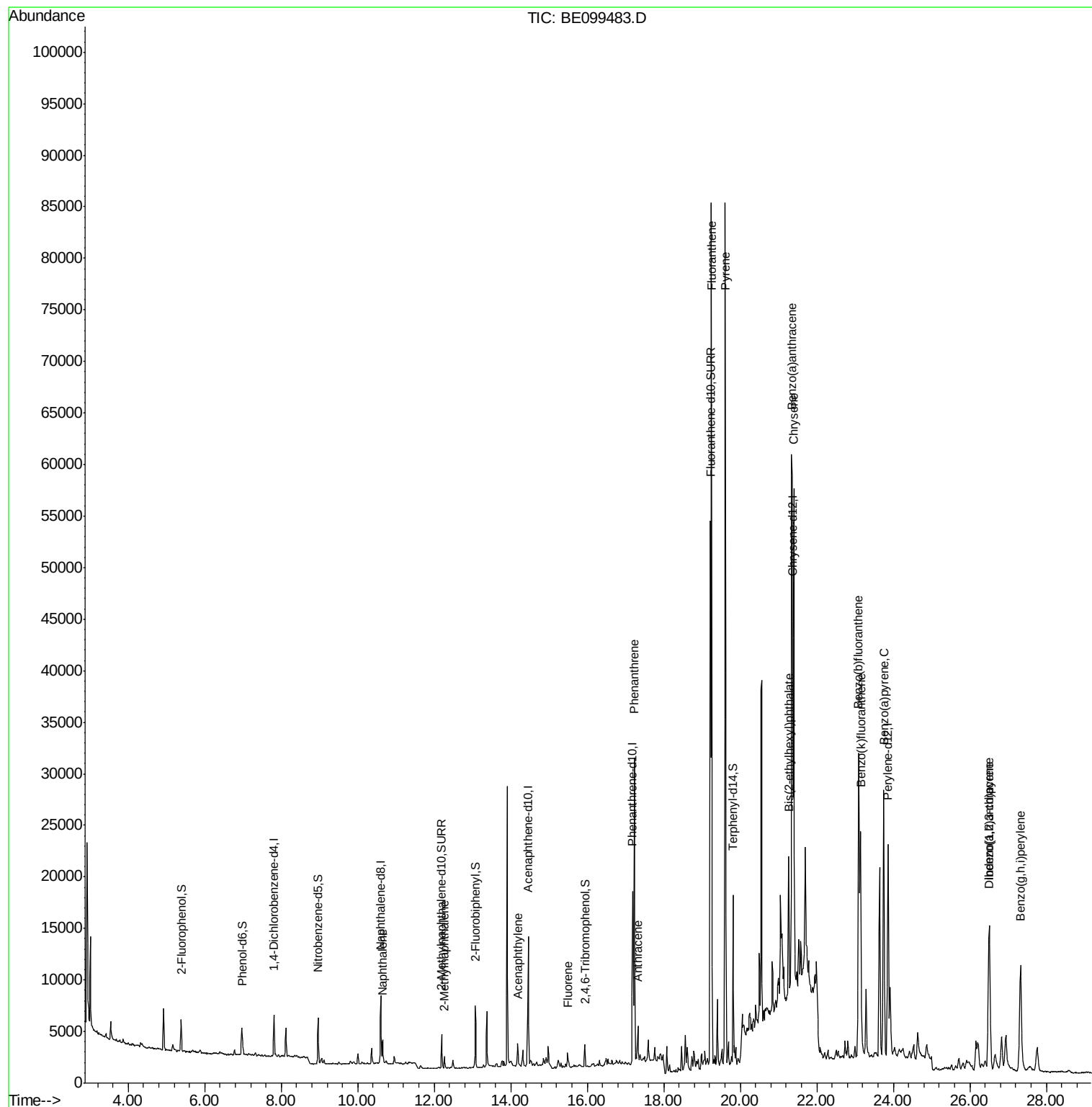
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050119\
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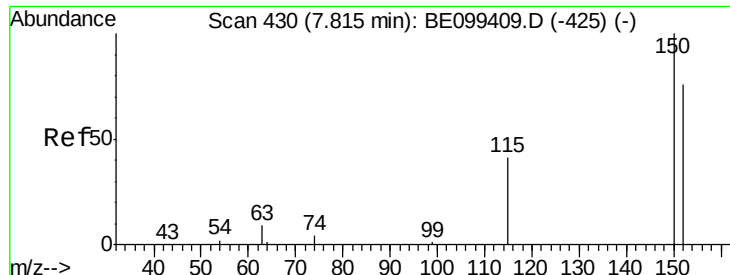
Instrument :
BNA_E
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EXT-074-SW057-042219

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099483.D

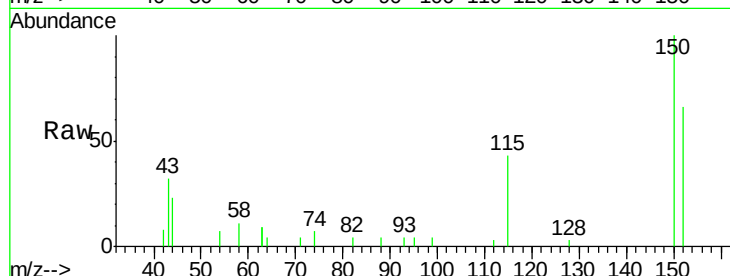
Acq: 2 May 2019 3:24

Instrument :

BNA_E

ClientSampleId :

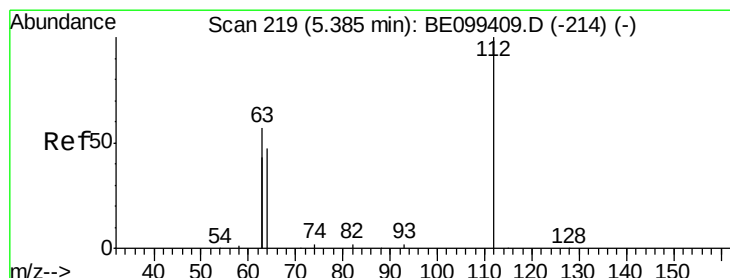
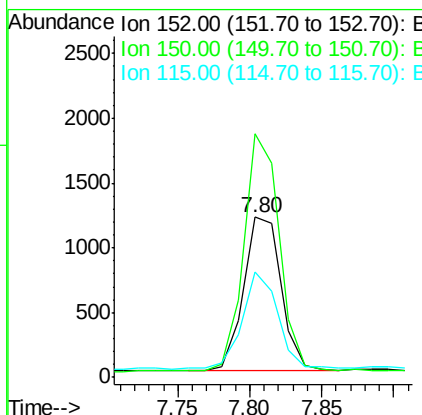
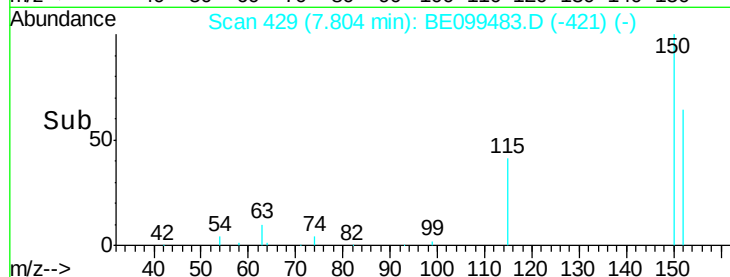
EXT-074-SW057-042219



Tgt Ion:	152	Resp:	2131
Ion Ratio	Lower	Upper	
152	100		
150	152.0	104.8	157.2
115	65.8	46.6	69.8

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#4

2-Fluorophenol

Concen: 0.295 ng

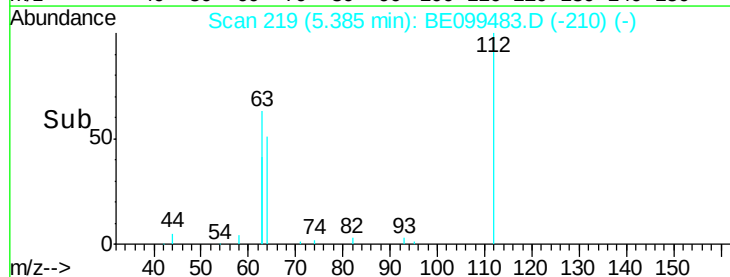
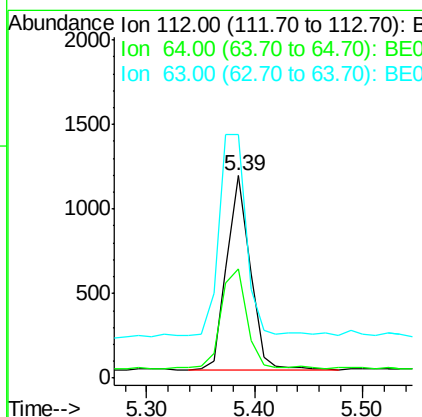
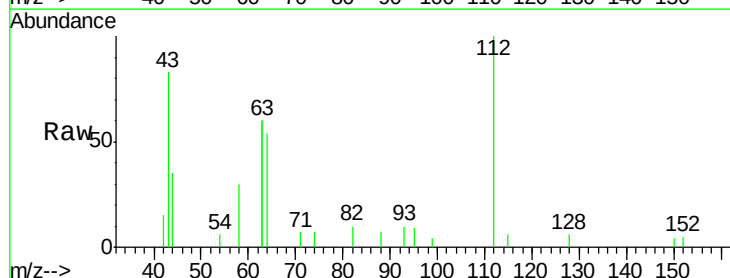
RT: 5.39 min Scan# 219

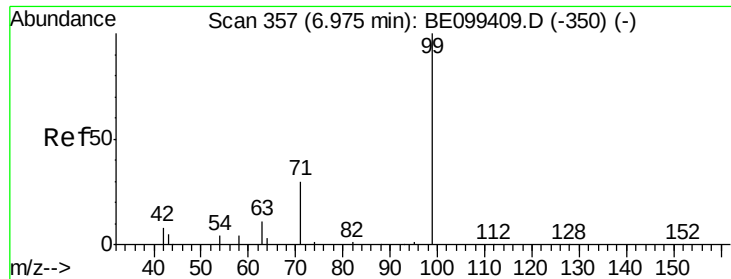
Delta R.T. -0.00 min

Lab File: BE099483.D

Acq: 2 May 2019 3:24

Tgt Ion:	112	Resp:	1736
Ion Ratio	Lower	Upper	
112	100		
64	55.1	47.4	71.0
63	120.1	104.3	156.5





#5

Phenol-d6

Concen: 0.311 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099483.D

Acq: 2 May 2019 3:24

Instrument :

BNA_E

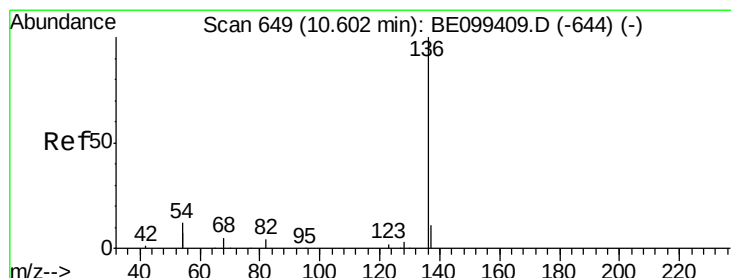
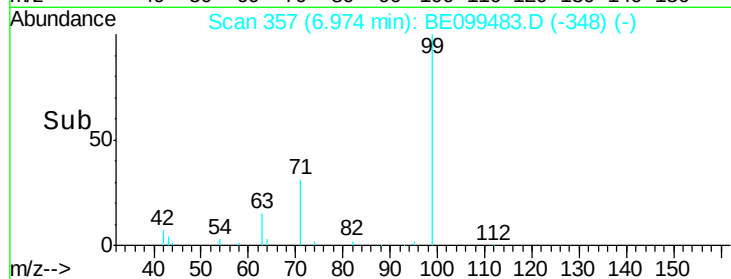
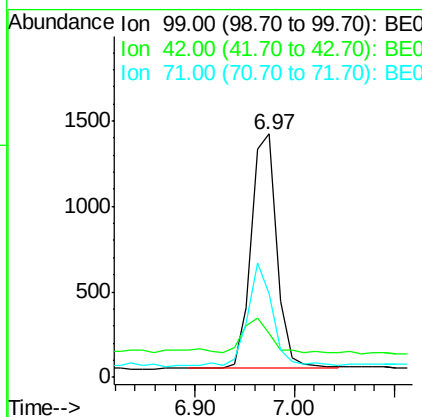
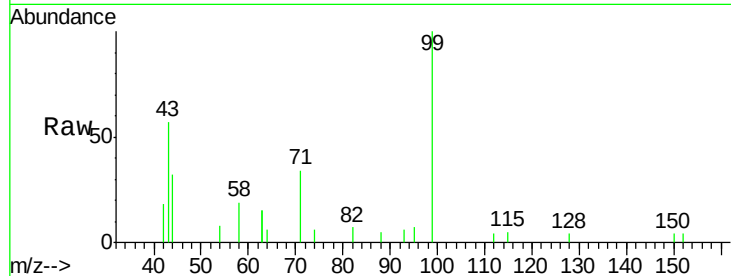
ClientSampleId :

EXT-074-SW057-042219

Tgt Ion:	99	Resp:	2435
Ion Ratio	Lower	Upper	
99	100		
42	14.9	14.9	22.3
71	42.3	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

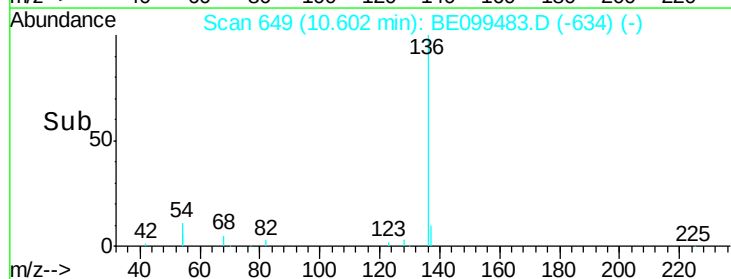
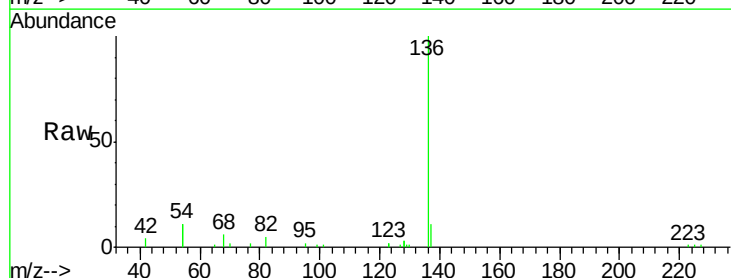
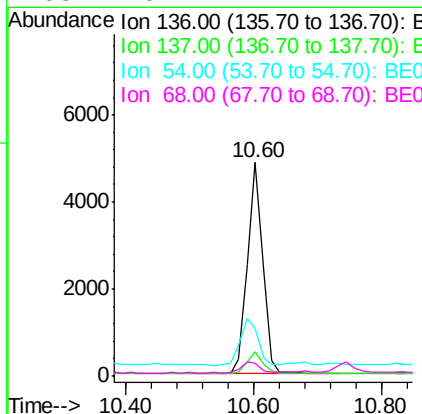
RT: 10.60 min Scan# 649

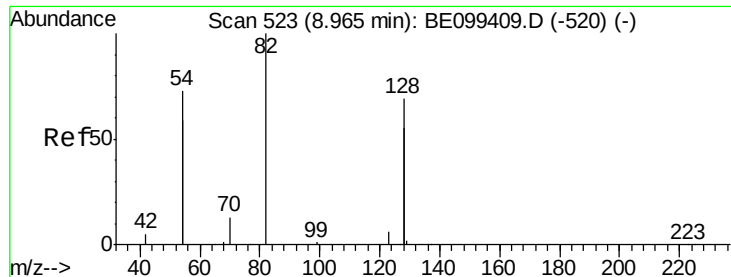
Delta R.T. 0.00 min

Lab File: BE099483.D

Acq: 2 May 2019 3:24

Tgt Ion:	136	Resp:	8165
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.8	14.8
54	22.0	18.5	27.7
68	6.1	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.259 ng

RT: 8.97 min Scan# 523

Delta R.T. 0.00 min

Lab File: BE099483.D

Acq: 2 May 2019 3:24

Instrument :

BNA_E

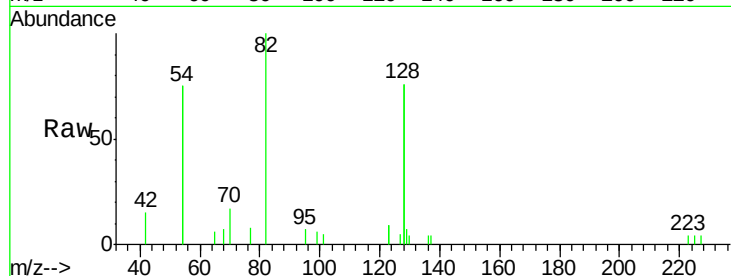
ClientSampleId :

EXT-074-SW057-042219

Tgt Ion:	82	Resp:	1985
Ion Ratio	Lower	Upper	
82	100		
128	152.7	107.0	160.4
54	150.1	113.1	169.7

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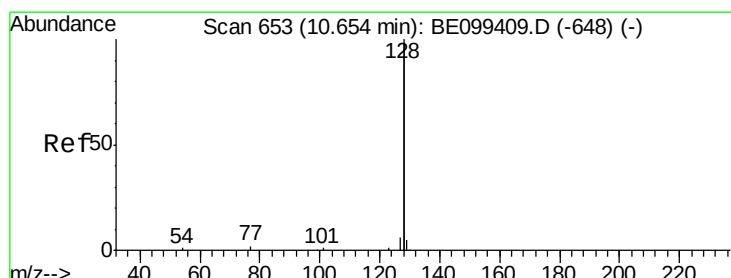
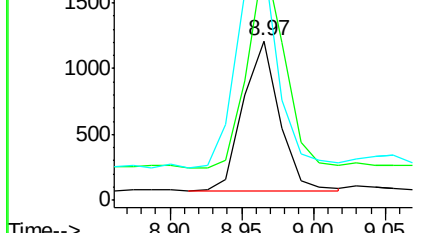
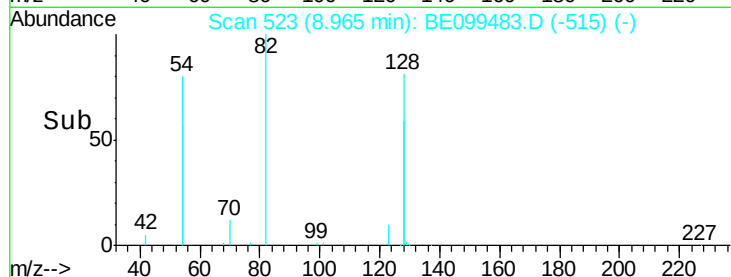


Abundance Ion 82.00 (81.70 to 82.70): BE099409.D (-520) (-)

Ion 128.00 (127.70 to 128.70): BE099409.D (-520) (-)

Ion 54.00 (53.70 to 54.70): BE099409.D (-520) (-)

Time-->



#9

Naphthalene

Concen: 0.043 ng

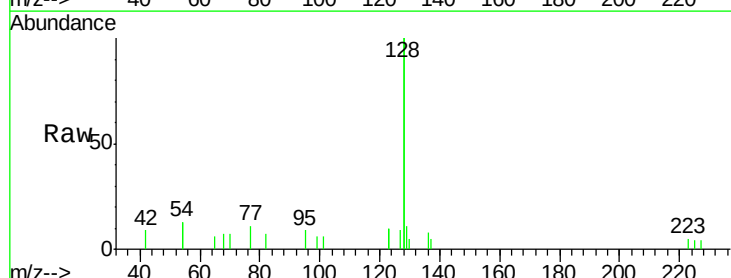
RT: 10.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: BE099483.D

Acq: 2 May 2019 3:24

Tgt Ion:	128	Resp:	3782
Ion Ratio	Lower	Upper	
128	100		
129	5.3	2.4	3.6#
127	4.7	2.8	4.2#

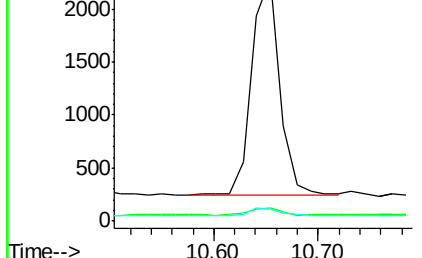
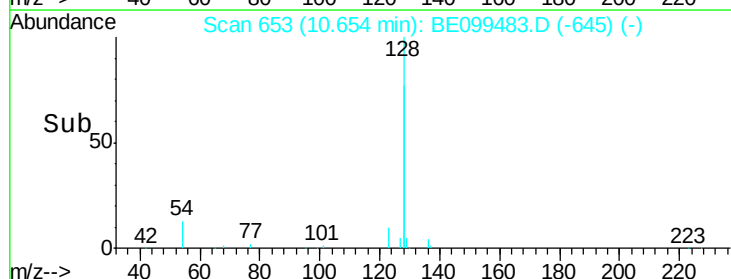


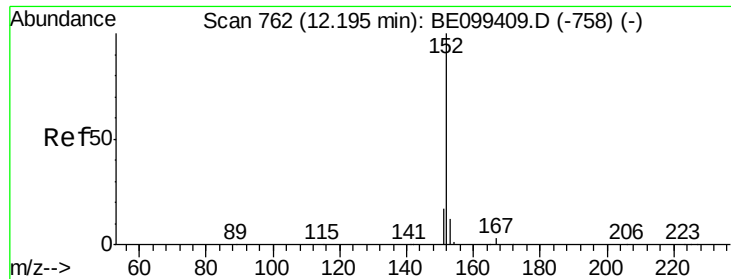
Abundance Ion 128.00 (127.70 to 128.70): BE099409.D (-648) (-)

Ion 129.00 (128.70 to 129.70): BE099409.D (-648) (-)

Ion 127.00 (126.70 to 127.70): BE099409.D (-648) (-)

Time-->





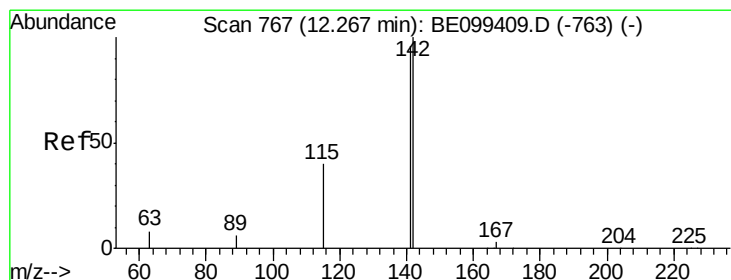
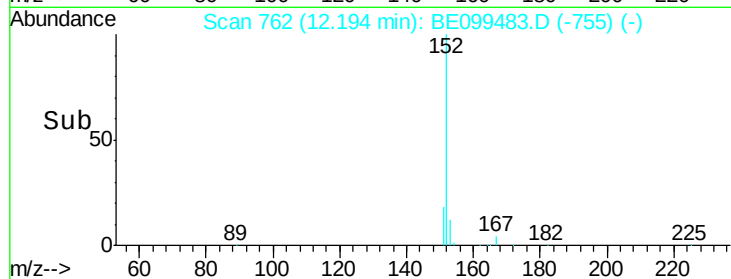
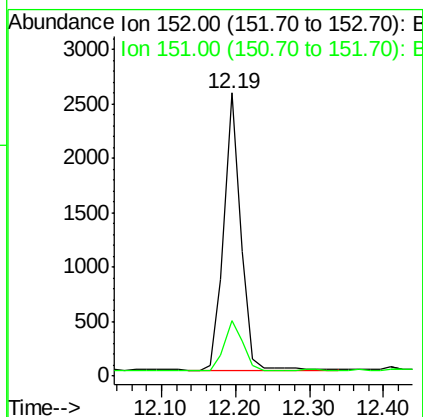
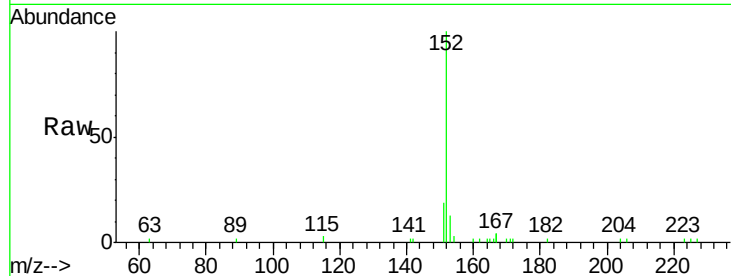
#11
 2-Methylnaphthalene-d10
 Concen: 0.278 ng
 RT: 12.19 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: BE099483.D
 Acq: 2 May 2019 3:24

Instrument :
 BNA_E
 ClientSampleId :
 EXT-074-SW057-042219

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.5	23.3

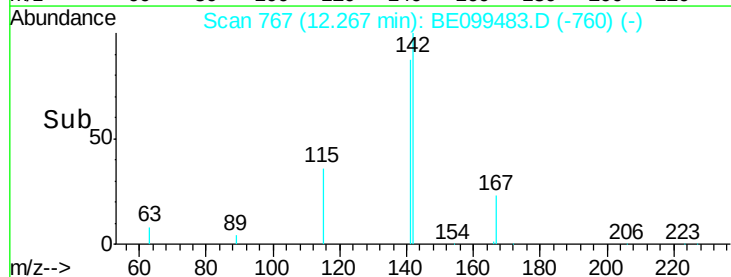
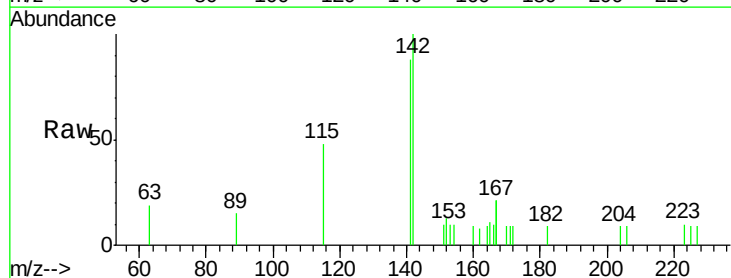
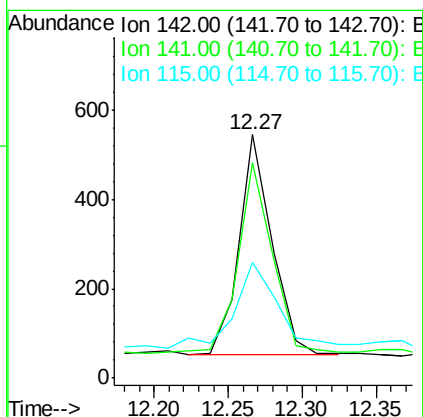
Manual Integrations
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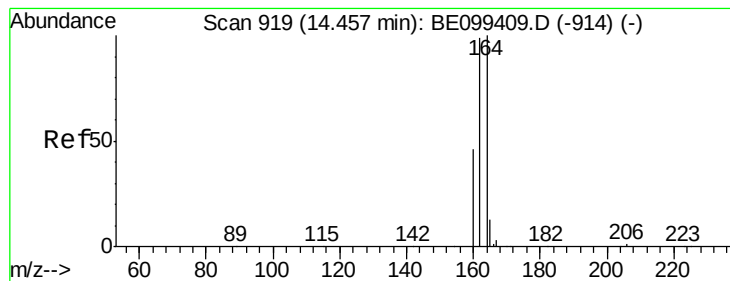
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#12
 2-Methylnaphthalene
 Concen: 0.049 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE099483.D
 Acq: 2 May 2019 3:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	77.0	115.4
115	47.6	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: BE099483.D

Acq: 2 May 2019 3:24

Instrument :

BNA_E

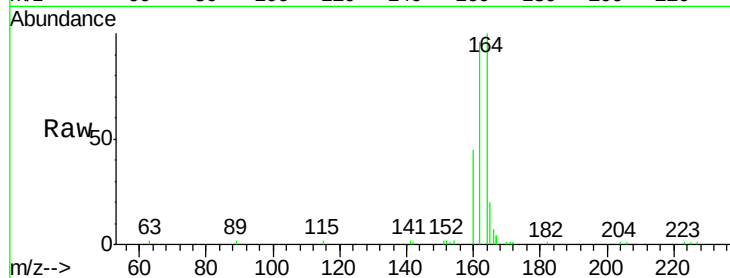
ClientSampleId :

EXT-074-SW057-042219

Tgt Ion:	164	Resp:	6882
Ion Ratio	Lower	Upper	
164	100		
162	96.5	79.0	118.4
160	45.2	37.0	55.4

Manual Integrations
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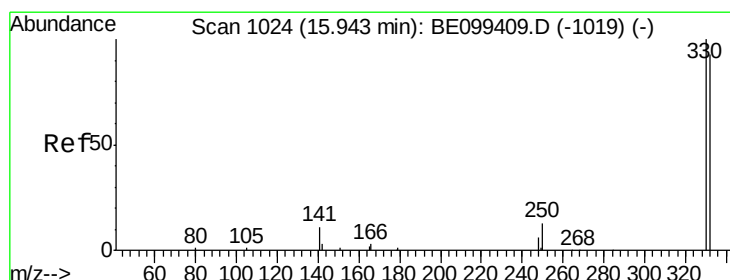
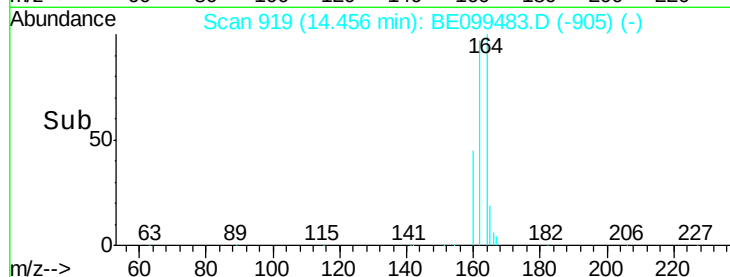
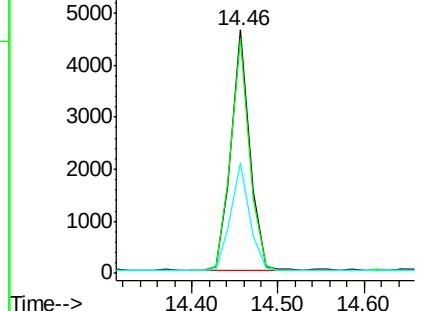
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.314 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099483.D

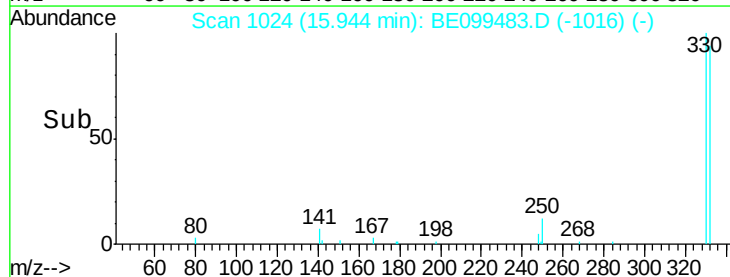
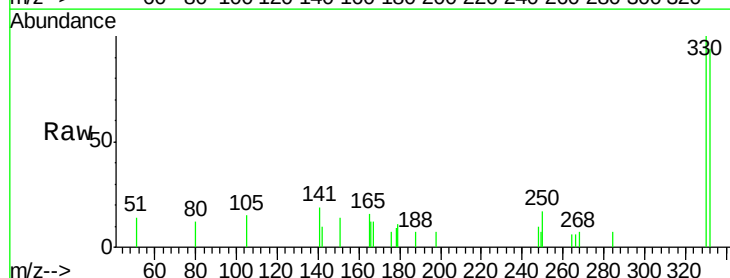
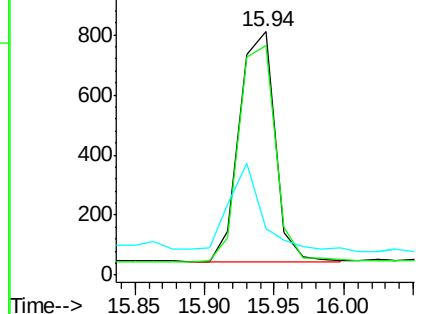
Acq: 2 May 2019 3:24

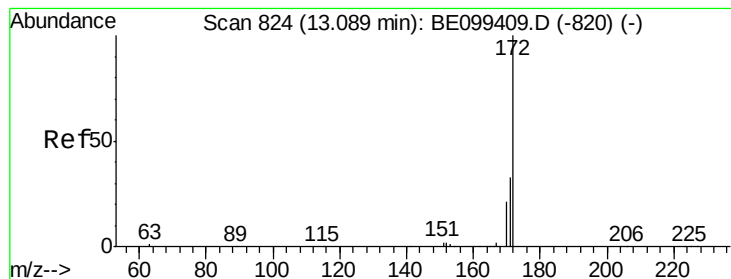
Tgt Ion:	330	Resp:	1362
Ion Ratio	Lower	Upper	
330	100		
332	95.9	71.5	107.3
141	36.8	24.0	36.0#

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





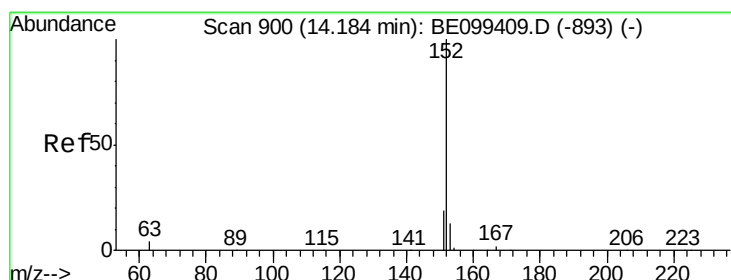
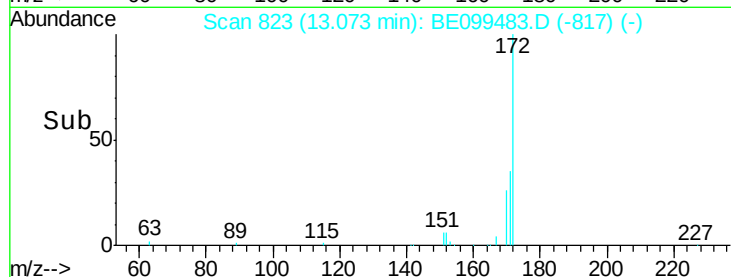
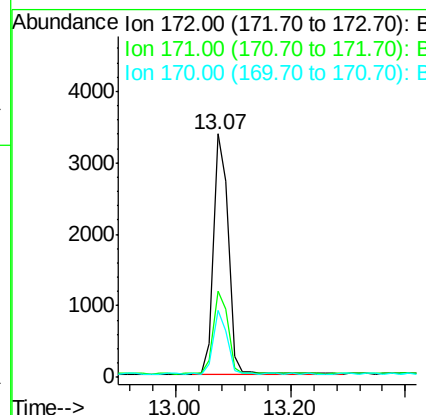
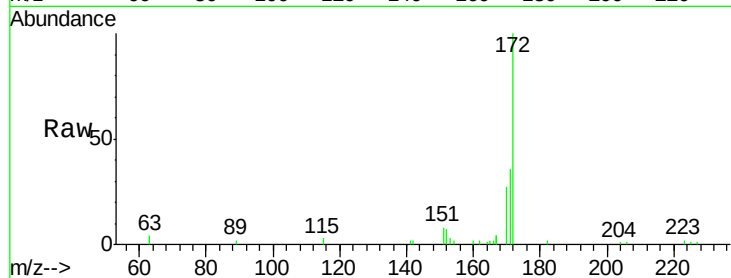
#15
2-Fluorobiphenyl
Concen: 0.226 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099483.D
Acq: 2 May 2019 3:24

Instrument :
BNA_E
ClientSampleId :
EXT-074-SW057-042219

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	26.6	39.8
170	27.3	17.0	25.6

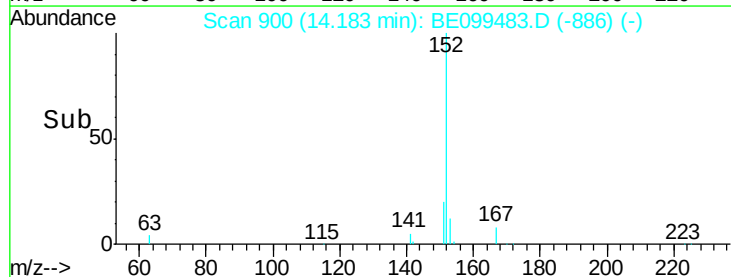
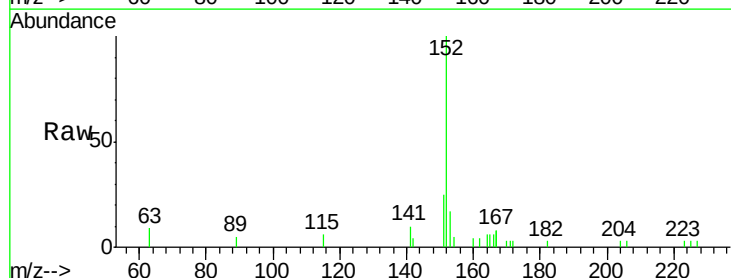
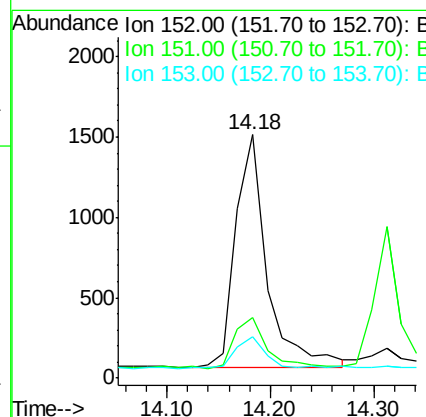
Manual Integrations
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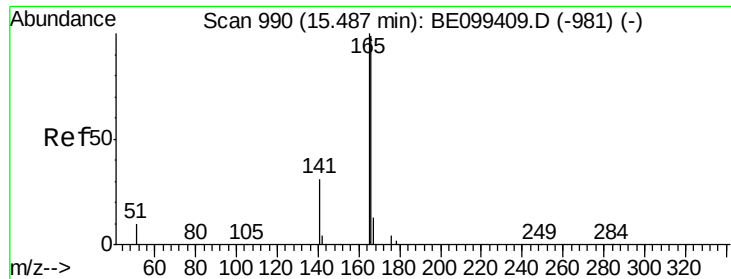
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#16
Acenaphthylene
Concen: 0.092 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099483.D
Acq: 2 May 2019 3:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.9	15.4	23.2
153	13.4	9.8	14.6





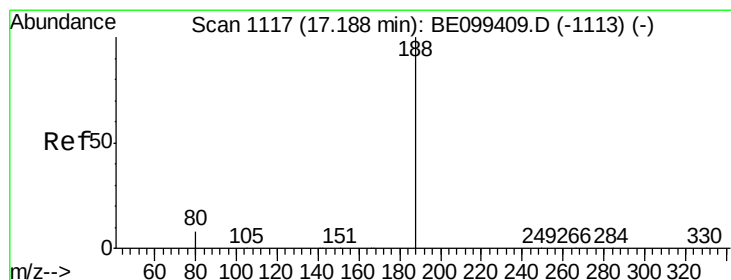
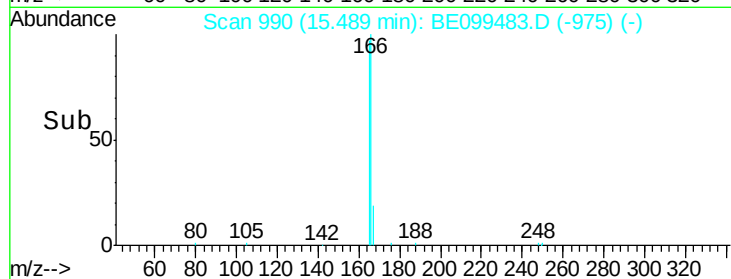
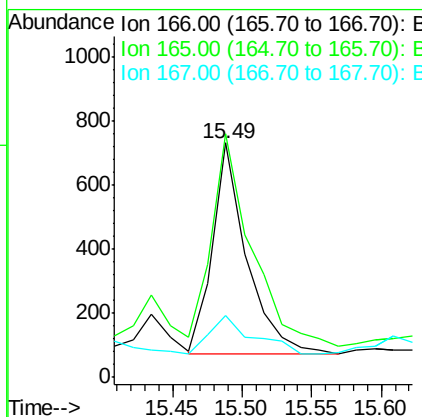
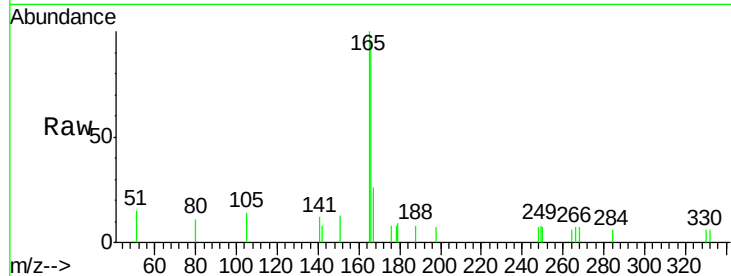
#18
Fluorene
 Concen: 0.040 ng
 RT: 15.49 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: BE099483.D
 Acq: 2 May 2019 3:24

Instrument :
 BNA_E
 ClientSampleId :
 EXT-074-SW057-042219

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1121		
165	116.7	80.3	120.5	
167	23.2	10.7	16.1#	

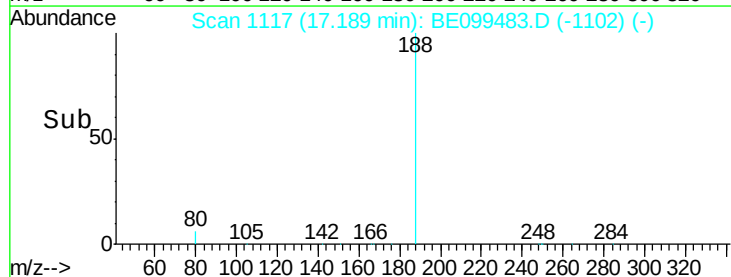
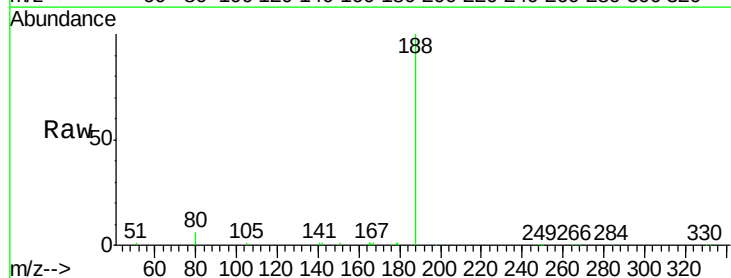
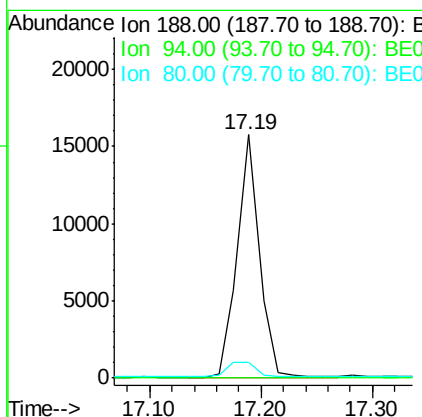
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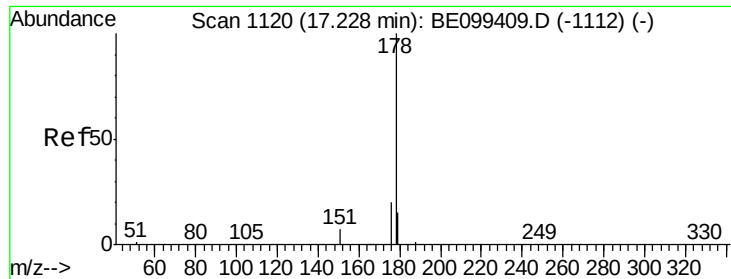
Sohil
 5/2/2019 4:47:55 PM



#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. 0.00 min
 Lab File: BE099483.D
 Acq: 2 May 2019 3:24

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	21730		
94	0.0	0.0	0.0	
80	6.5	6.7	10.1#	





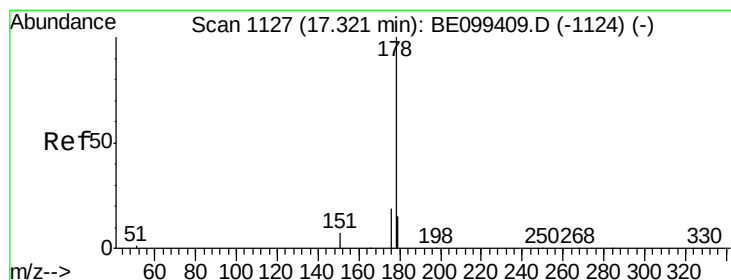
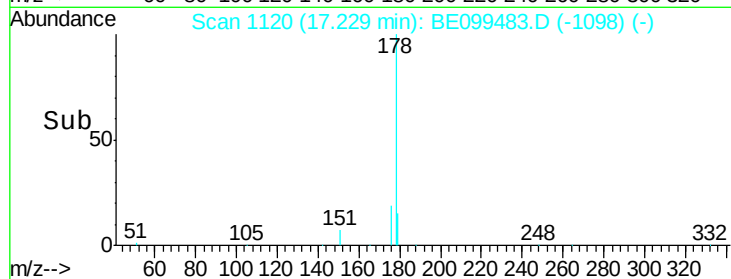
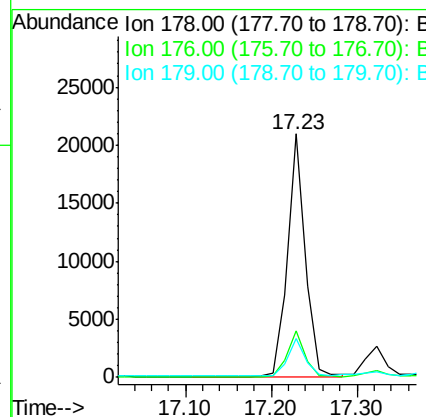
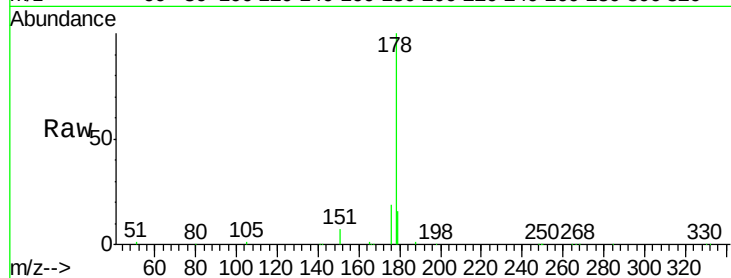
#23
 Phenanthrene
 Concen: 0.530 ng
 RT: 17.23 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: BE099483.D
 Acq: 2 May 2019 3:24

Instrument :
 BNA_E
 ClientSampleId :
 EXT-074-SW057-042219

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	15.4	12.0	18.0

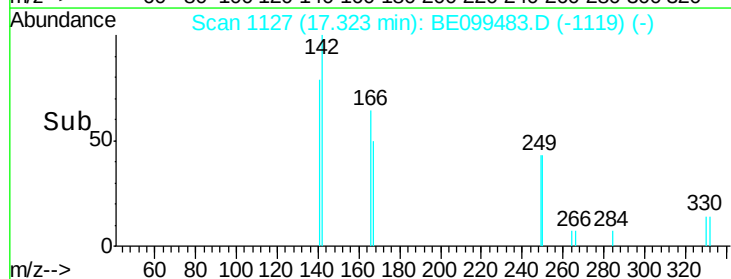
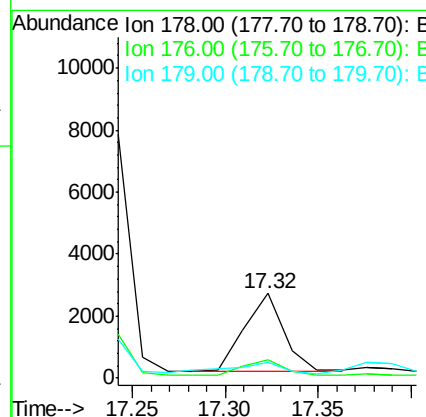
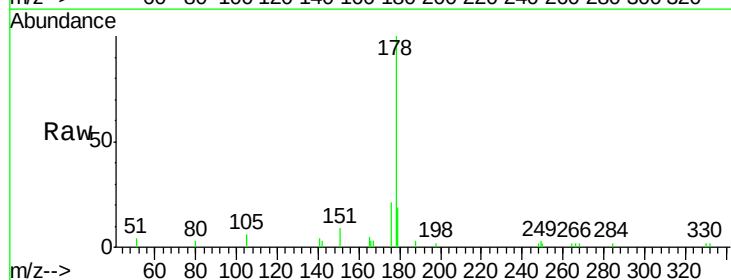
Manual Integrations
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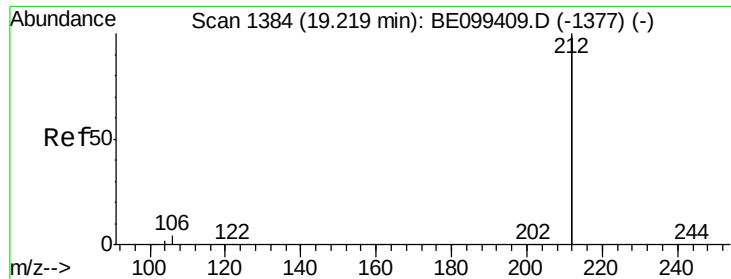
Sohil
 5/2/2019 4:47:55 PM



#24
 Anthracene
 Concen: 0.069 ng
 RT: 17.32 min Scan# 1127
 Delta R.T. 0.00 min
 Lab File: BE099483.D
 Acq: 2 May 2019 3:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.8	14.9	22.3
179	19.6	11.9	17.9





#25

Fluoranthene-d10

Concen: 0.228 ng

RT: 19.22 min Scan# 1384

Delta R.T. -0.00 min

Lab File: BE099483.D

Acq: 2 May 2019 3:24

Instrument :

BNA_E

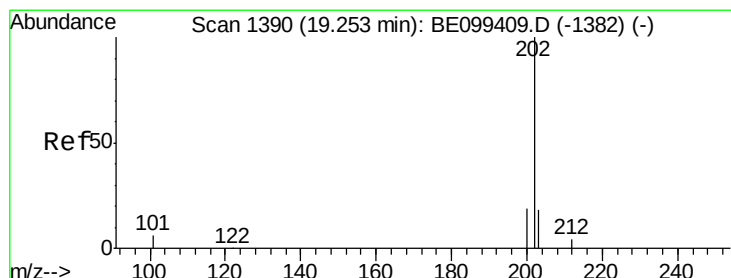
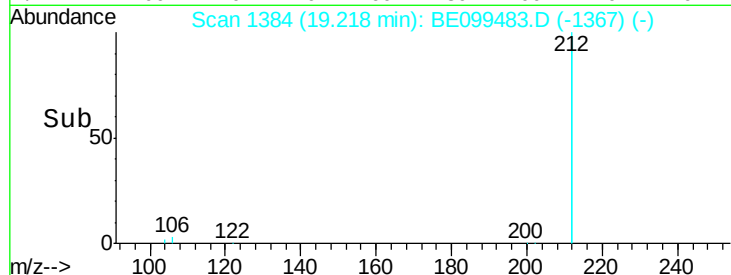
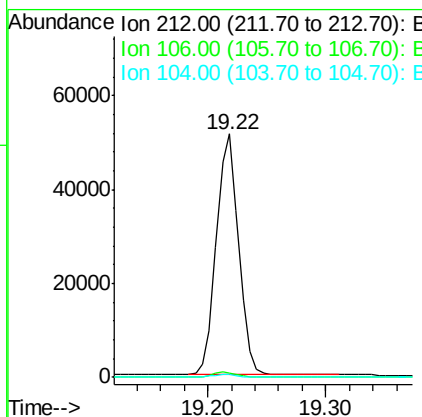
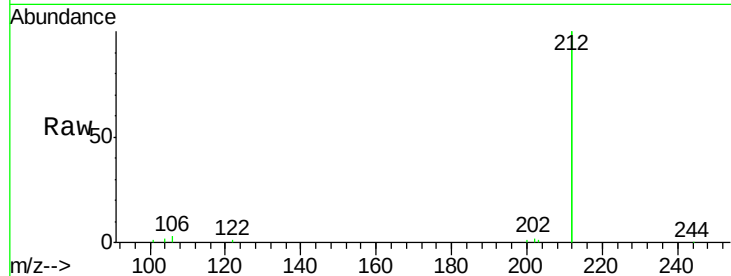
ClientSampleId :

EXT-074-SW057-042219

Tgt Ion:	212	Resp:	66886
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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5/2/2019 4:47:55 PM



#26

Fluoranthene

Concen: 0.909 ng

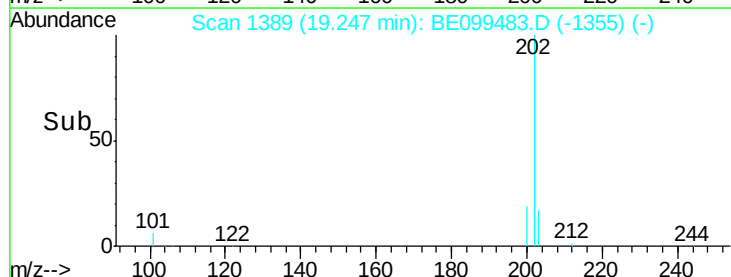
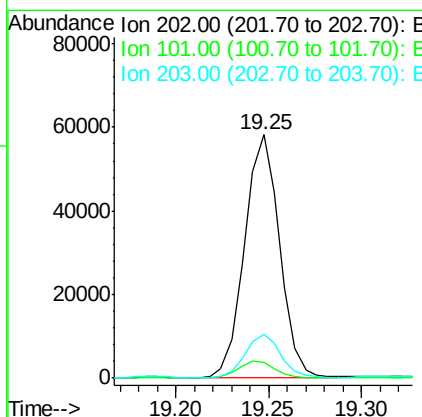
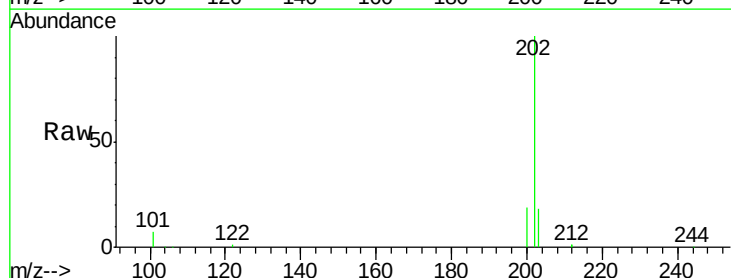
RT: 19.25 min Scan# 1389

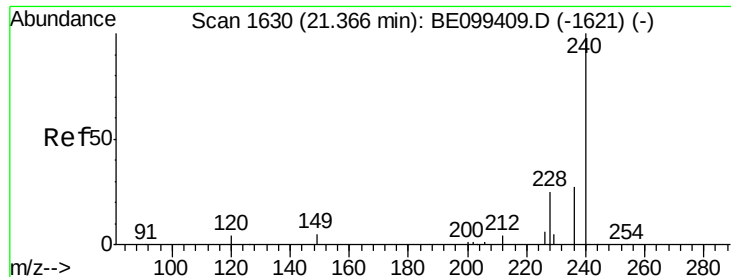
Delta R.T. -0.01 min

Lab File: BE099483.D

Acq: 2 May 2019 3:24

Tgt Ion:	202	Resp:	76355
Ion Ratio	Lower	Upper	
202	100		
101	6.8	5.4	8.0
203	17.7	13.9	20.9





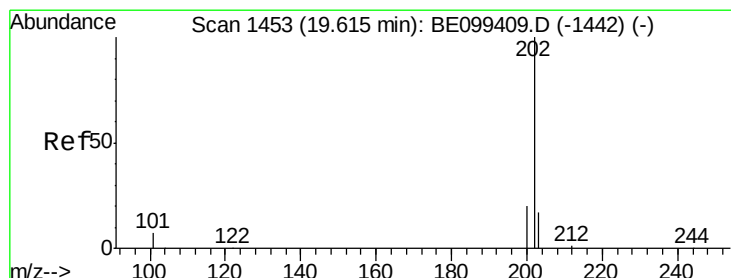
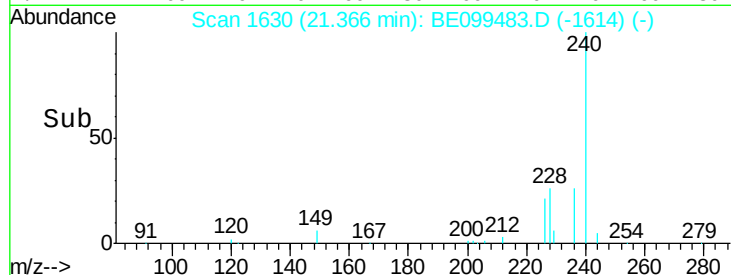
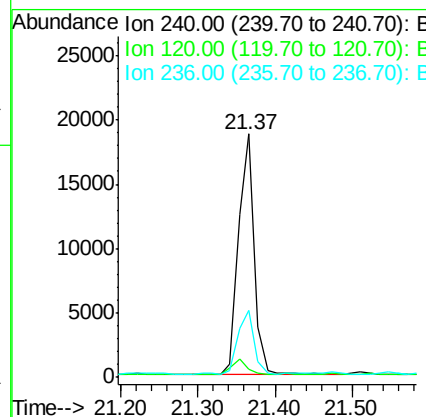
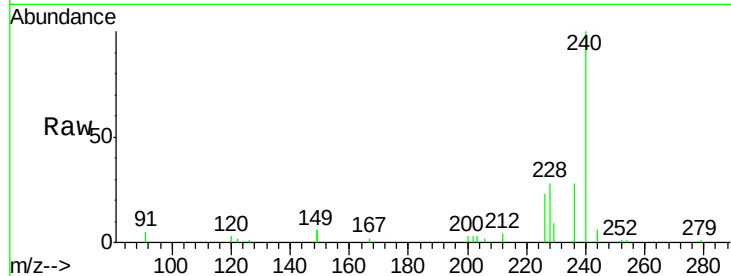
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE099483.D
 Acq: 2 May 2019 3:24

Instrument :
 BNA_E
 ClientSampleId :
 EXT-074-SW057-042219

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	26793		
120	3.3	4.0	6.0#	
236	27.5	22.0	33.0	

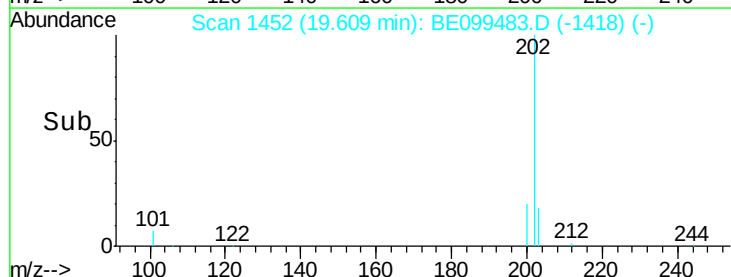
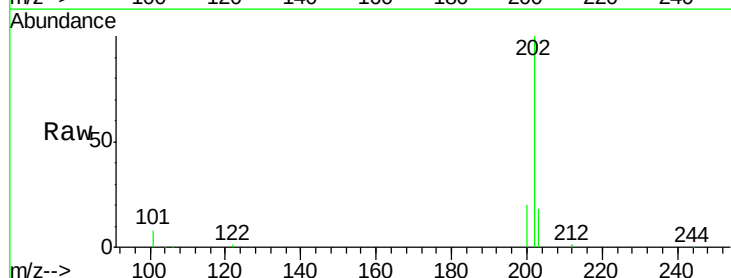
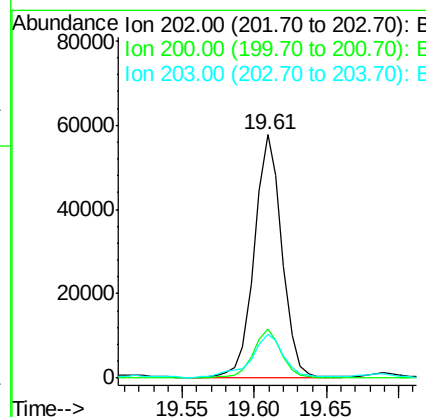
Manual Integrations
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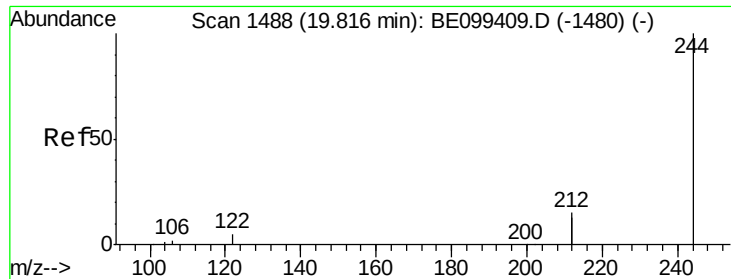
Sohil
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#28
 Pyrene
 Concen: 1.099 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099483.D
 Acq: 2 May 2019 3:24

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	76756		
200	20.0	15.7	23.5	
203	20.3	13.9	20.9	





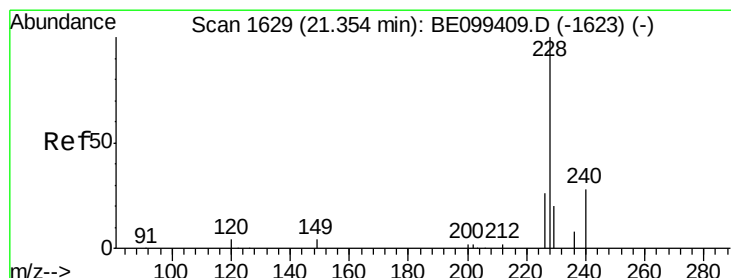
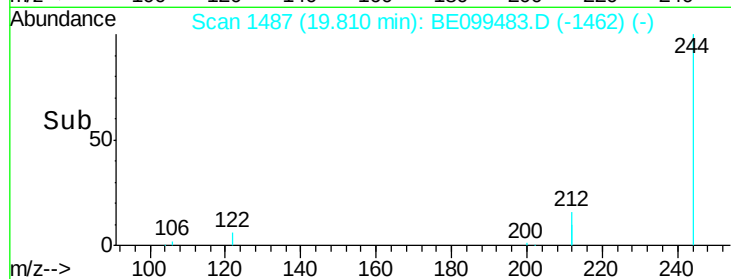
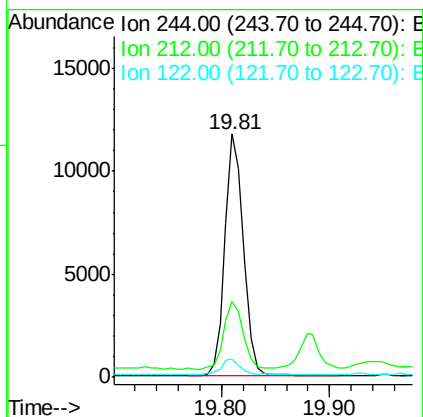
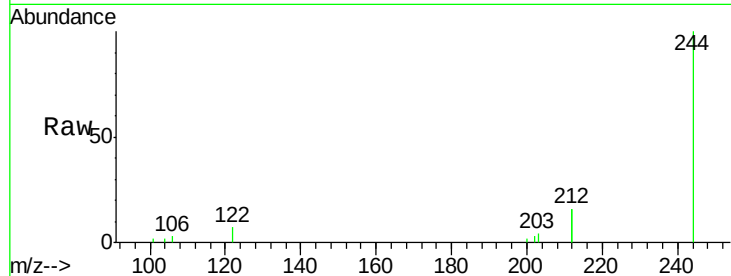
#29
 Terphenyl-d14
 Concen: 0.283 ng
 RT: 19.81 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BE099483.D
 Acq: 2 May 2019 3:24

Instrument :
 BNA_E
 ClientSampleId :
 EXT-074-SW057-042219

Tgt Ion	Ratio	Lower	Upper
244	100		
212	31.4	23.2	34.8
122	7.4	4.2	6.4

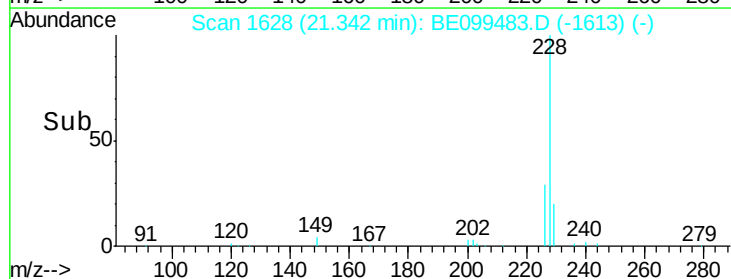
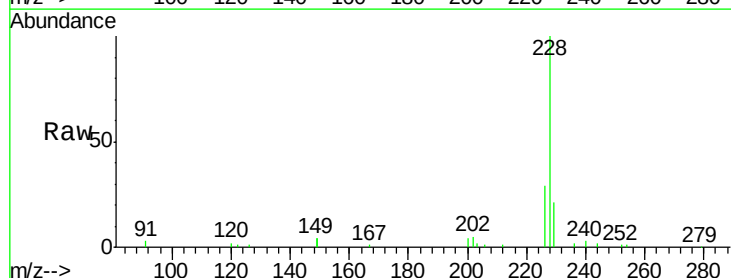
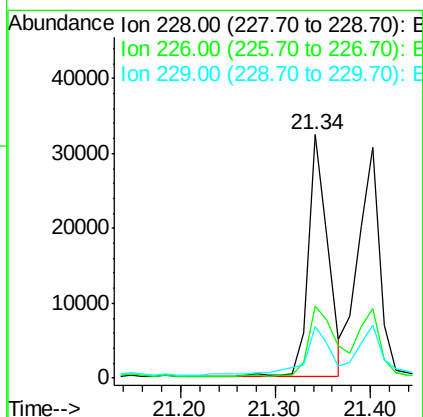
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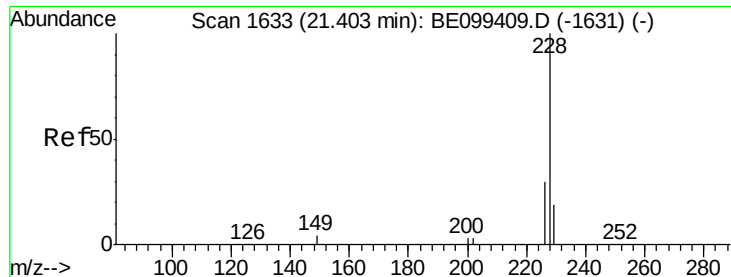
Sohil
 5/2/2019 4:47:55 PM



#30
 Benzo(a)anthracene
 Concen: 0.538 ng
 RT: 21.34 min Scan# 1628
 Delta R.T. -0.01 min
 Lab File: BE099483.D
 Acq: 2 May 2019 3:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.0	31.6
229	21.3	16.6	25.0





#31

Chrysene

Concen: 0.572 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099483.D

Acq: 2 May 2019 3:24

Instrument :

BNA_E

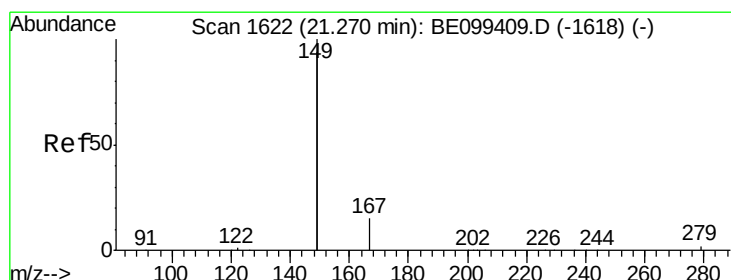
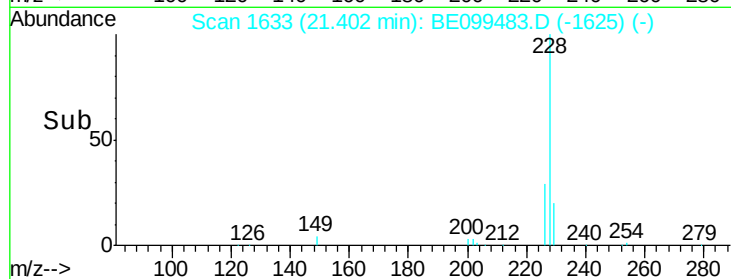
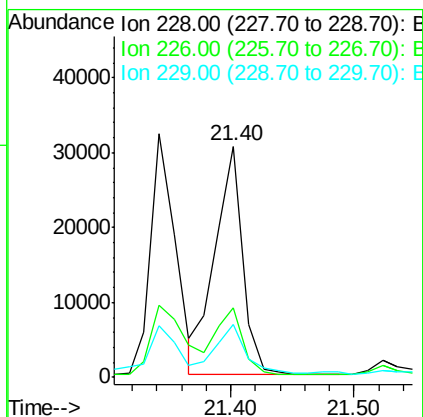
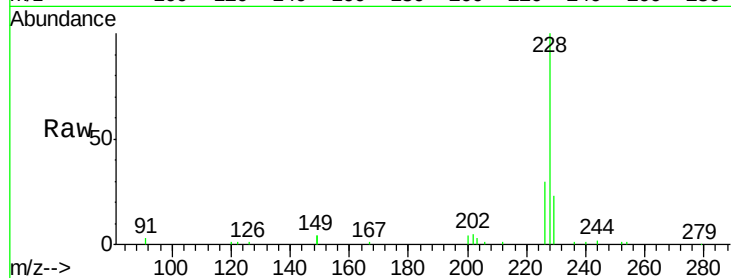
ClientSampleId :

EXT-074-SW057-042219

Tgt Ion:	228	Resp:	47795
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.0	36.0
229	23.0	15.8	23.8

Manual Integrations
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5/2/2019 4:47:55 PM



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.098 ng

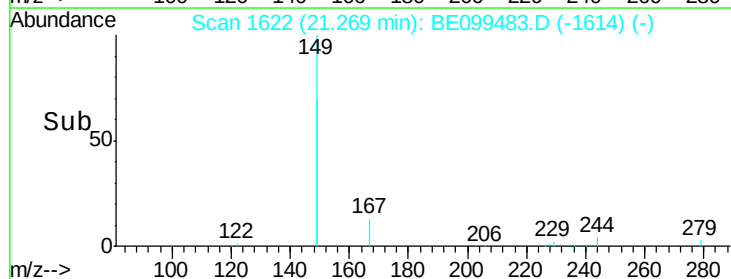
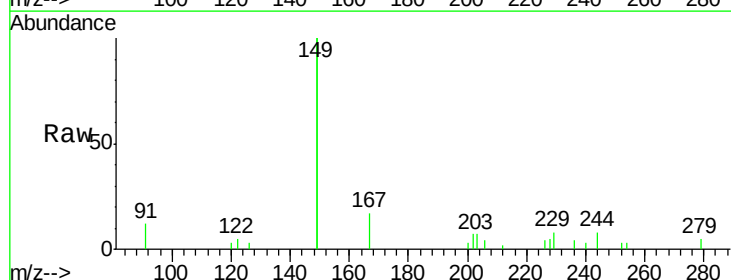
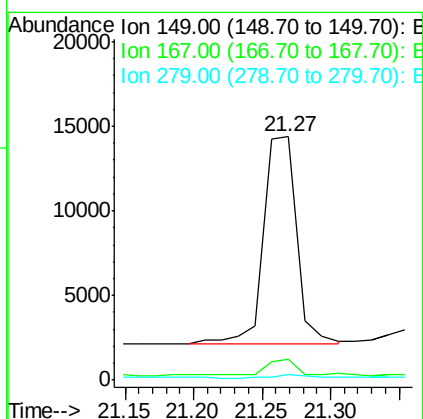
RT: 21.27 min Scan# 1622

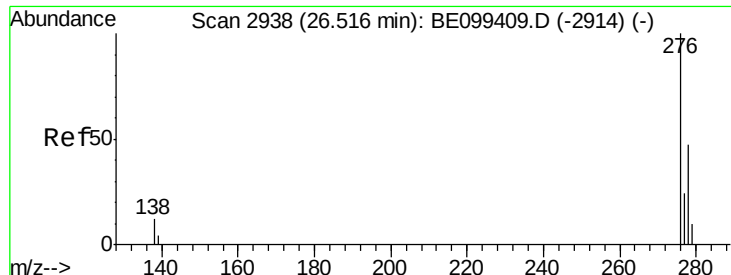
Delta R.T. 0.00 min

Lab File: BE099483.D

Acq: 2 May 2019 3:24

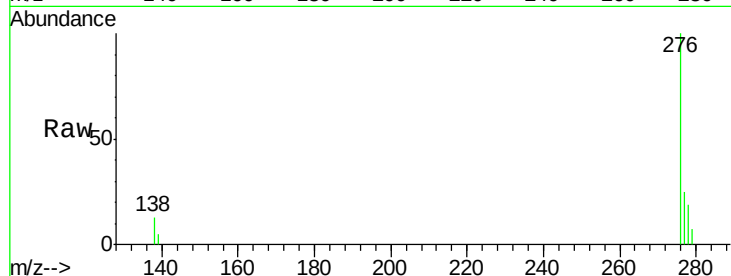
Tgt Ion:	149	Resp:	20406
Ion Ratio	Lower	Upper	
149	100		
167	7.4	5.8	8.6
279	1.6	1.0	1.6#





#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.296 ng
 RT: 26.50 min Scan# 2934
 Delta R.T. -0.01 min
 Lab File: BE099483.D
 Acq: 2 May 2019 3:24

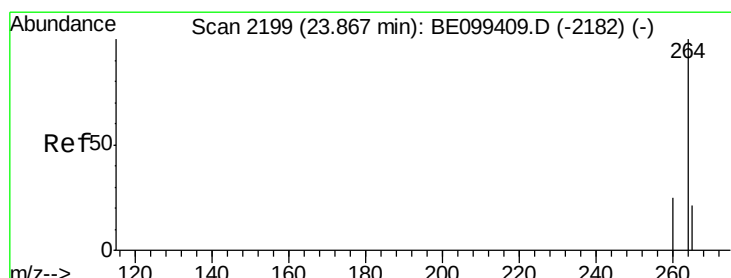
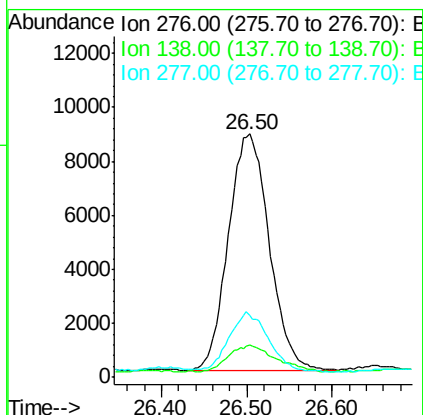
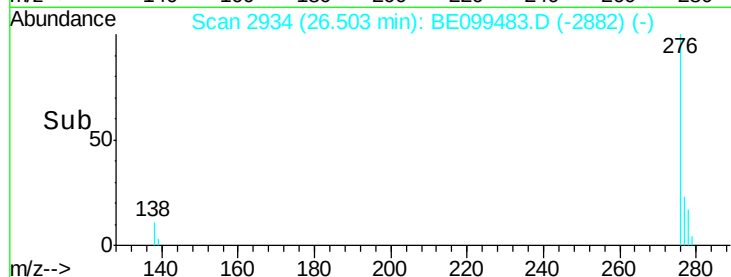
Instrument :
 BNA_E
 ClientSampleId :
 EXT-074-SW057-042219



Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	13.1	10.2	15.2
277	24.5	19.2	28.8

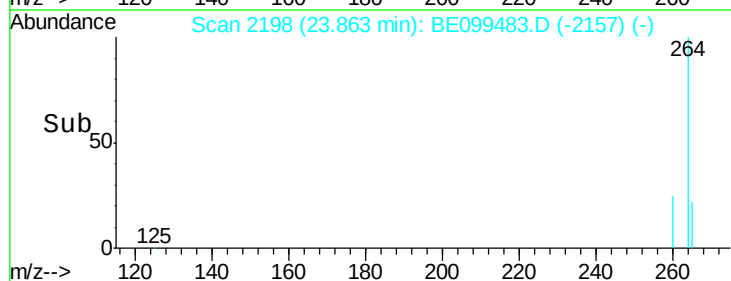
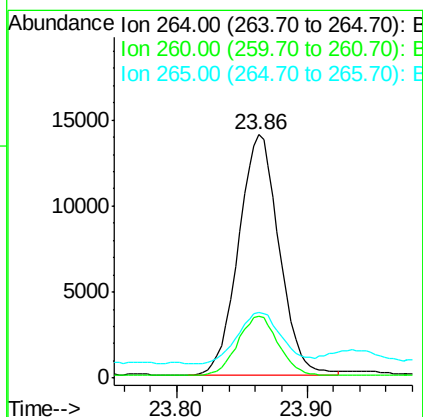
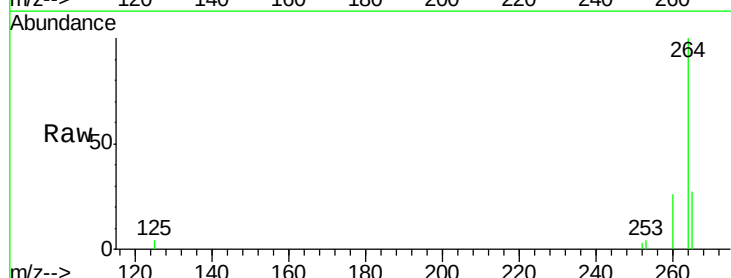
Manual Integrations
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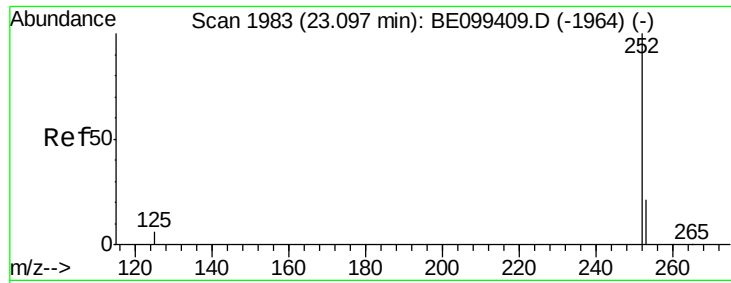
Sohil
 5/2/2019 4:47:55 PM



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BE099483.D
 Acq: 2 May 2019 3:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.5	20.2	30.2
265	26.9	21.3	31.9





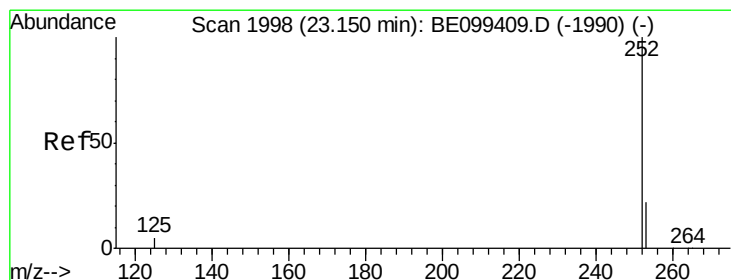
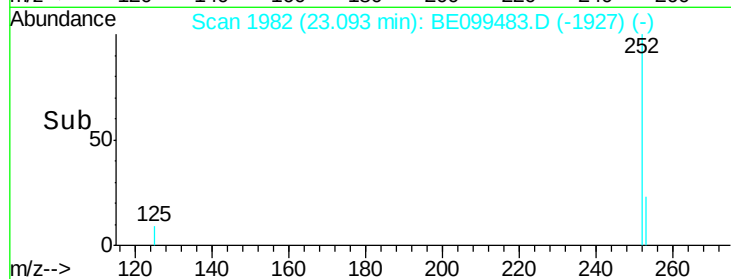
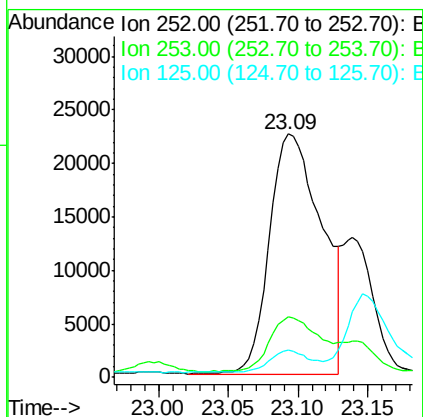
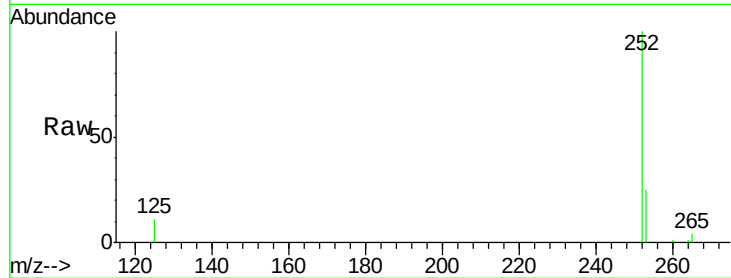
#35
Benzo(b)fluoranthene
Concen: 0.674 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE099483.D
Acq: 2 May 2019 3:24

Instrument :
BNA_E
ClientSampleId :
EXT-074-SW057-042219

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	11.0	5.6	8.4#

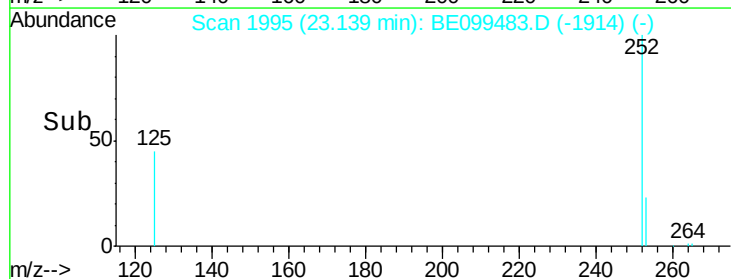
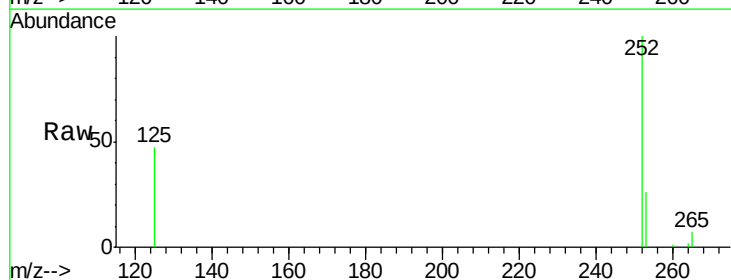
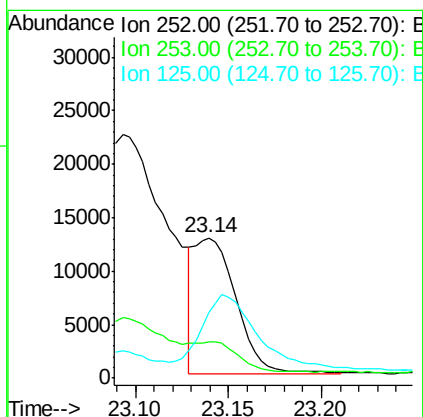
Manual Integrations
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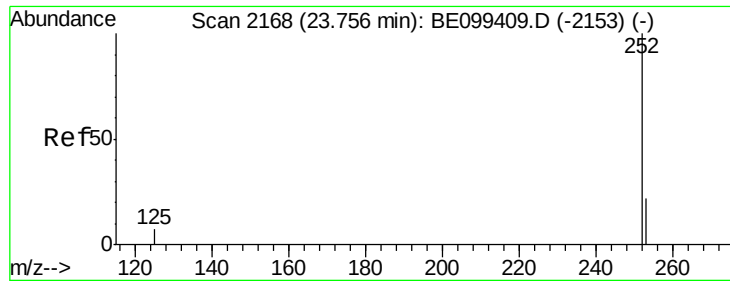
Sohil
5/2/2019 4:47:55 PM



#36
Benzo(k)fluoranthene
Concen: 0.238 ng m
RT: 23.14 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BE099483.D
Acq: 2 May 2019 3:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.4	27.6
125	47.3	5.0	7.4#





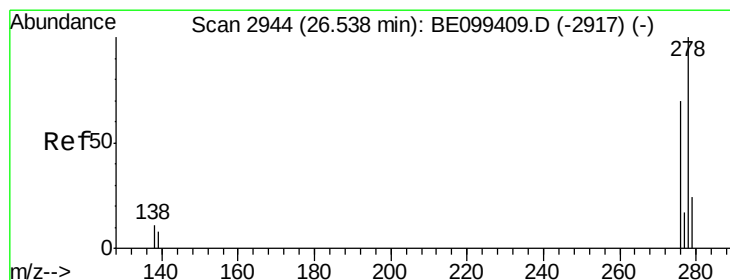
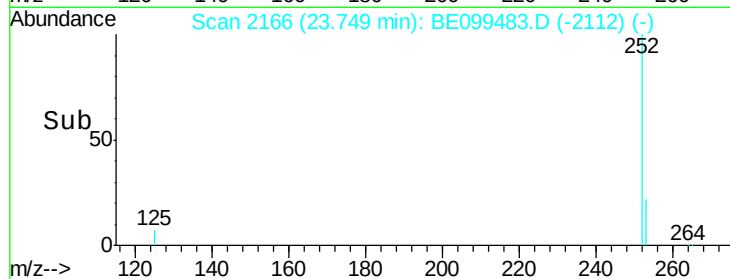
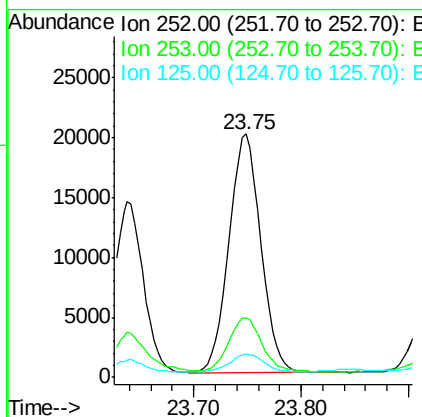
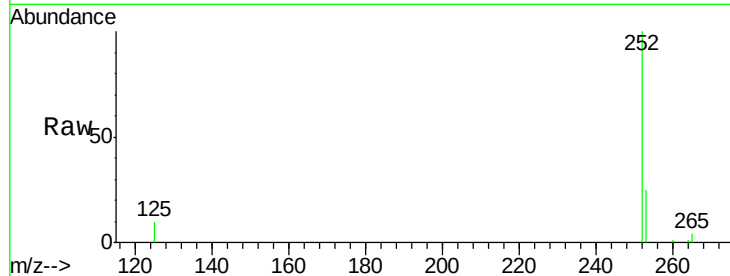
#37
Benzo(a)pyrene
Concen: 0.503 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BE099483.D
Acq: 2 May 2019 3:24

Instrument :
BNA_E
ClientSampleId :
EXT-074-SW057-042219

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.9	28.3
125	9.6	6.7	10.1

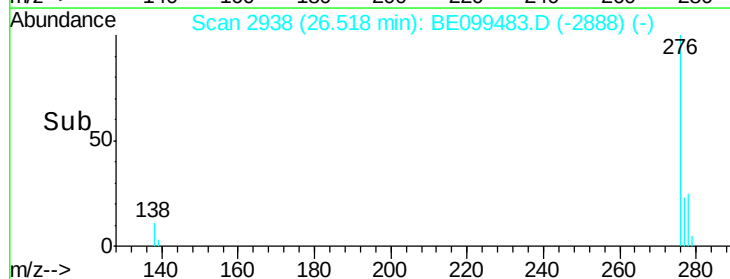
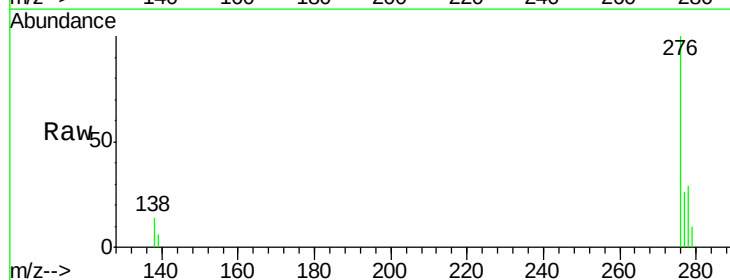
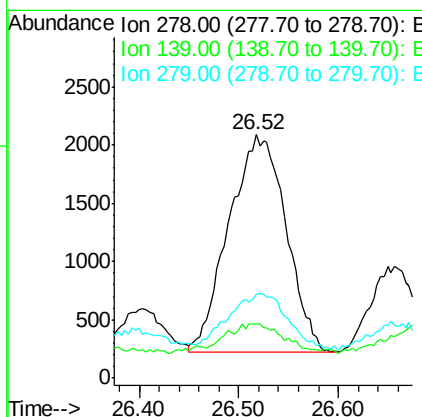
Manual Integrations
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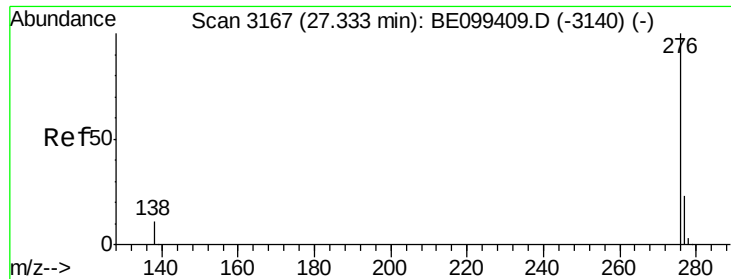
Sohil
5/2/2019 4:47:55 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.088 ng
RT: 26.52 min Scan# 2938
Delta R.T. -0.02 min
Lab File: BE099483.D
Acq: 2 May 2019 3:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.2	7.7	11.5#
279	34.2	20.2	30.2#





#39

Benzo(g,h,i)perylene

Concen: 0.334 ng

RT: 27.33 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BE099483.D

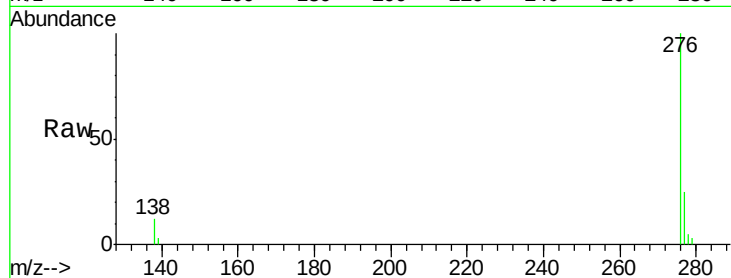
Acq: 2 May 2019 3:24

Instrument :

BNA_E

ClientSampleId :

EXT-074-SW057-042219



Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.5	29.3
138	12.4	9.6	14.4

Manual Integrations
APPROVED

Sohil
5/2/2019 4:47:55 PM

