

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
 Data File : BE099437.D
 Acq On : 30 Apr 2019 22:13
 Operator : JU/SJ
 Sample : K2568-18
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW030-042319

Manual Integrations
 APPROVED

Sohil
 5/1/2019 12:02:42 PM

Quant Time: May 01 02:25:32 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	2164	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	7740	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5507	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	18829	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29248	0.40	ng	0.00
34) Perylene-d12	23.86	264	33723	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	1728	0.29	ng	0.00
5) Phenol-d6	6.96	99	2629	0.33	ng	-0.01
8) Nitrobenzene-d5	8.96	82	2274	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	3739	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	1055	0.30	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	5611	0.27	ng	-0.01
25) Fluoranthene-d10	19.21	212	65518	0.26	ng	0.00
29) Terphenyl-d14	19.81	244	13365	0.25	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	7325	0.087	ng	# 97
12) 2-Methylnaphthalene	12.27	142	1144	0.078	ng	94
16) Acenaphthylene	14.18	152	1033	0.038	ng	# 95
17) Acenaphthene	14.52	154	4245	0.276	ng	96
18) Fluorene	15.49	166	5161	0.227	ng	# 95
23) Phenanthrene	17.23	178	115517	2.378	ng	99
24) Anthracene	17.32	178	24562	0.530	ng	# 92
26) Fluoranthene	19.25	202	177105	2.434	ng	100
28) Pyrene	19.61	202	171551	2.250	ng	# 94
30) Benzo(a)anthracene	21.34	228	115360	1.238	ng	98
31) Chrysene	21.40	228	102917m	1.129	ng	
32) Bis(2-ethylhexyl)phthalate	21.26	149	22868	0.102	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.49	276	53148	0.493	ng	98
35) Benzo(b)fluoranthene	23.09	252	113342	1.166	ng	96
36) Benzo(k)fluoranthene	23.14	252	44187m	0.471	ng	
37) Benzo(a)pyrene	23.74	252	88017	0.957	ng	99
38) Dibenzo(a,h)anthracene	26.51	278	14829	0.158	ng	# 91
39) Benzo(g,h,i)perylene	27.31	276	51507	0.547	ng	99

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

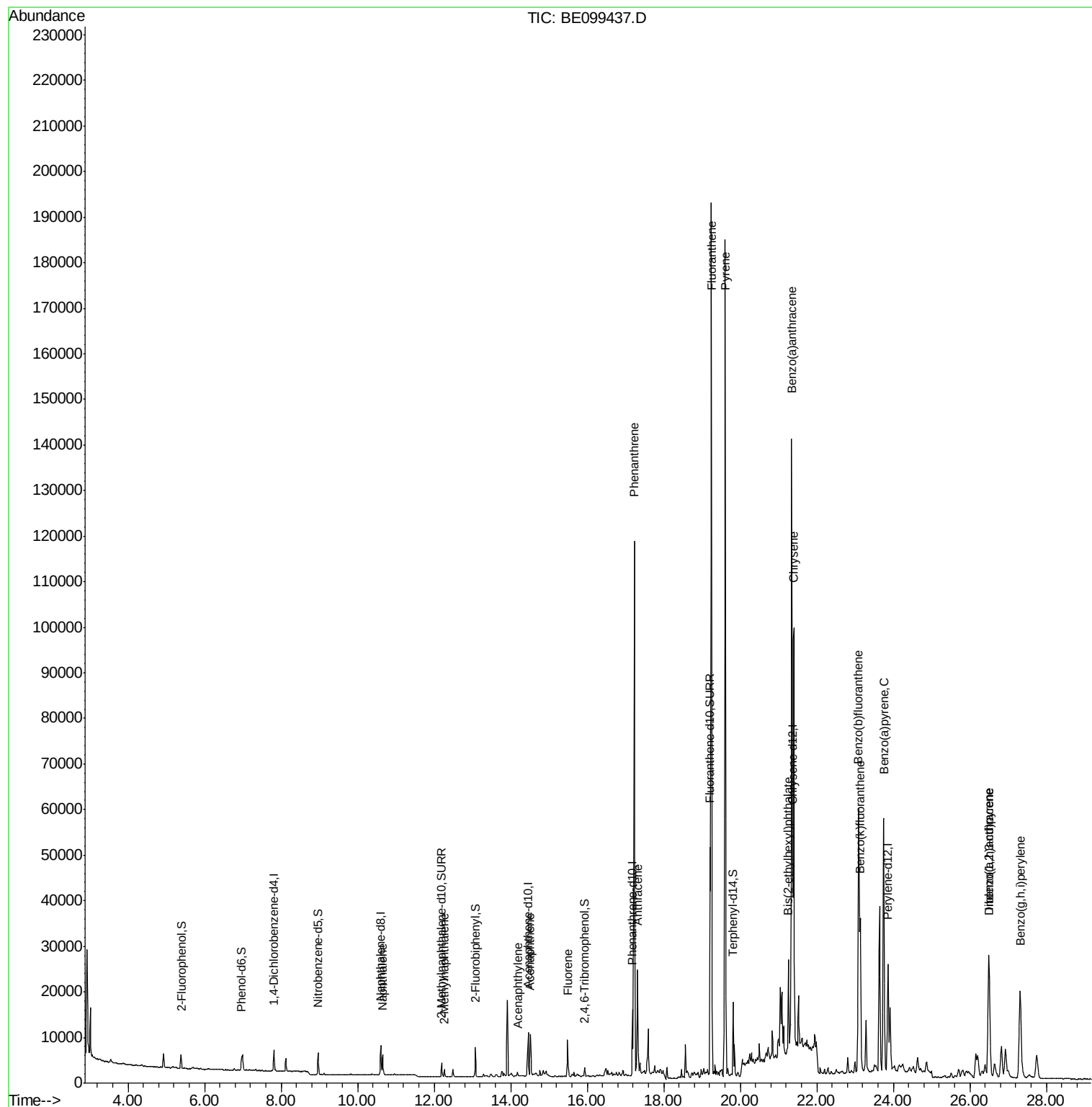
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE043019\
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ALS Vial : 20 Sample Multiplier: 1

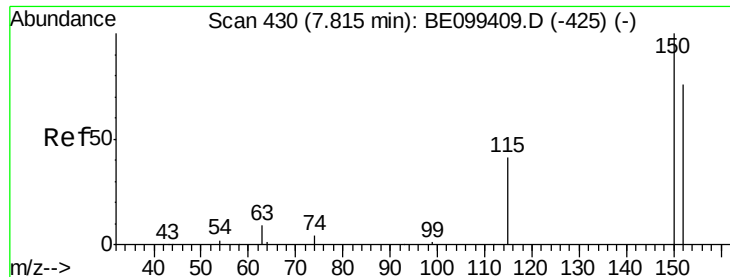
Instrument :
BNA_E
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PST-023-SW030-042319

Manual Integrations
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QLast Update : Mon Apr 29 18:36:43 2019
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#1

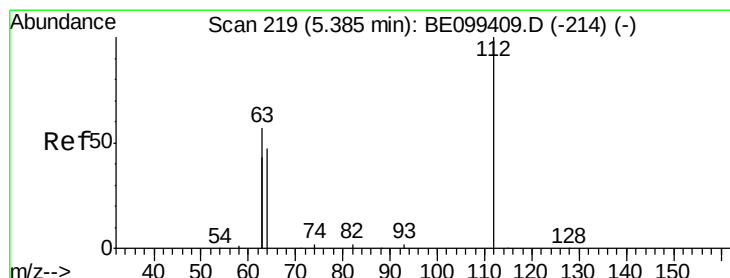
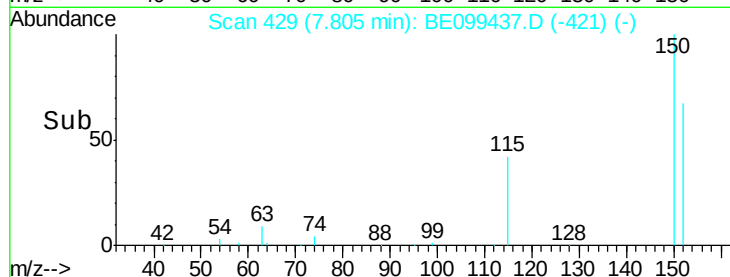
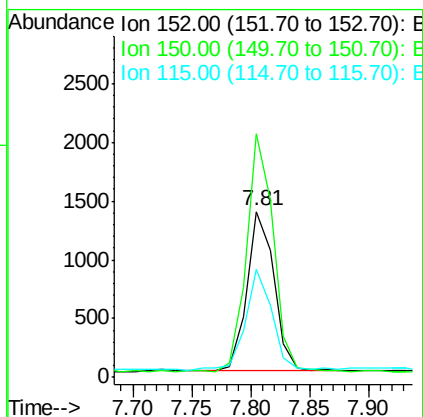
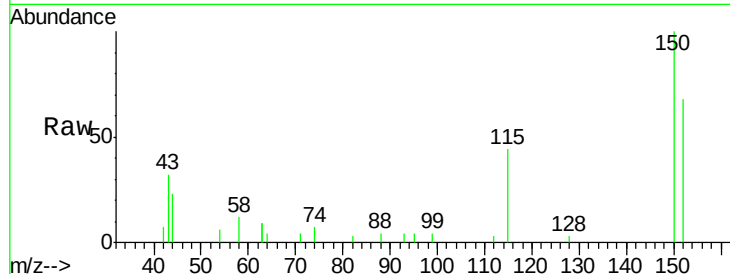
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099437.D
Acq: 30 Apr 2019 22:13

Instrument :
BNA_E
ClientSampleId :
PST-023-SW030-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
150	147.1	104.8	157.2
115	65.0	46.6	69.8

Manual Integrations
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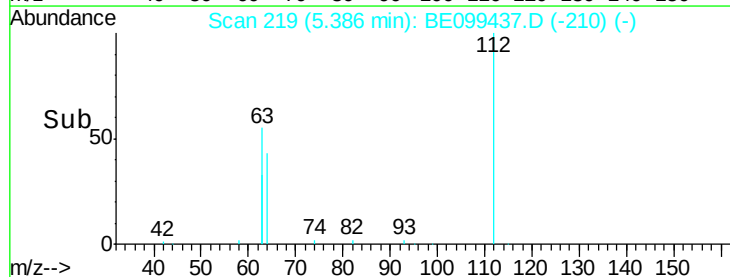
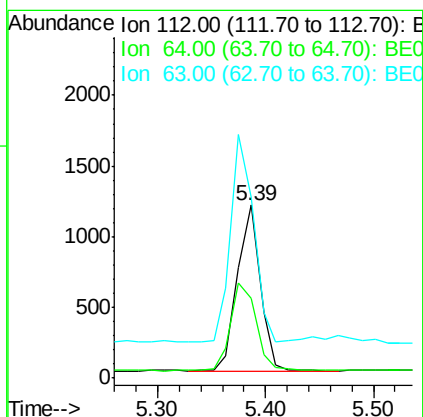
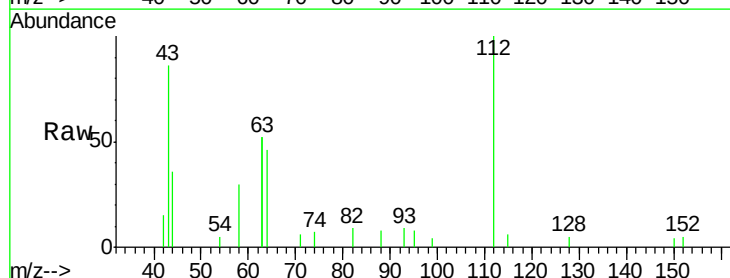
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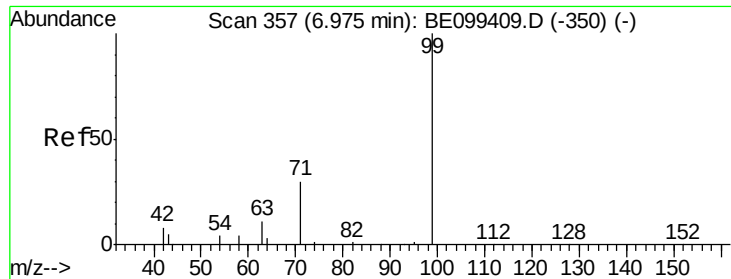


#4

2-Fluorophenol
Concen: 0.289 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099437.D
Acq: 30 Apr 2019 22:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.4	71.0
63	124.9	104.3	156.5





#5

Phenol-d6

Concen: 0.330 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

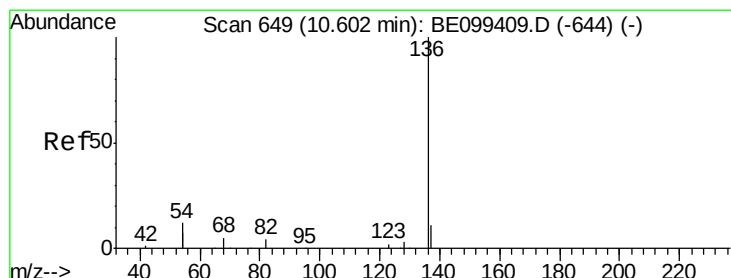
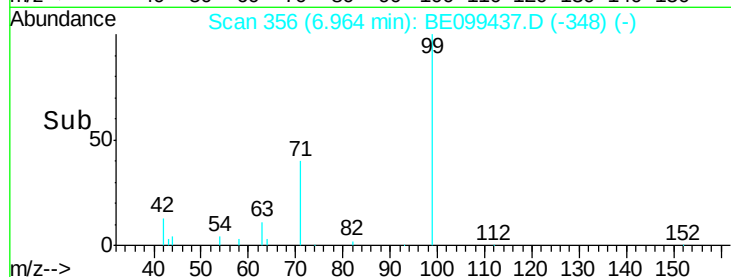
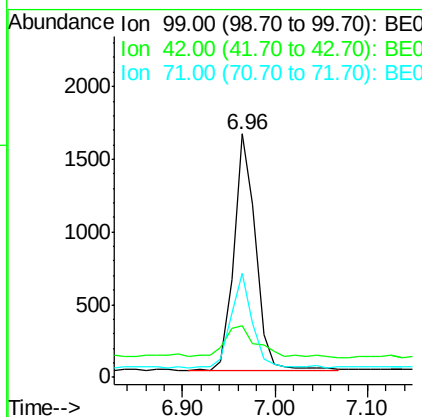
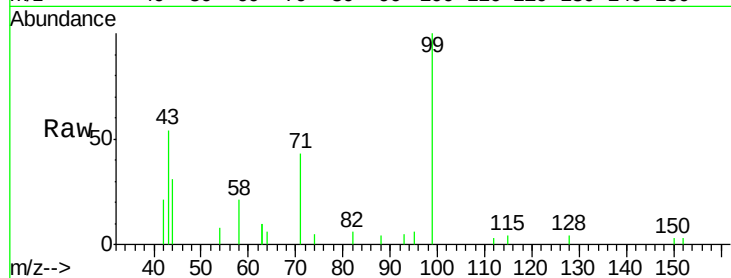
ClientSampleId :

PST-023-SW030-042319

Tgt Ion:	99	Resp:	2629
Ion	Ratio	Lower	Upper
99	100		
42	21.8	14.9	22.3
71	39.4	33.0	49.6

Manual Integrations
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#7

Naphthalene-d8

Concen: 0.400 ng

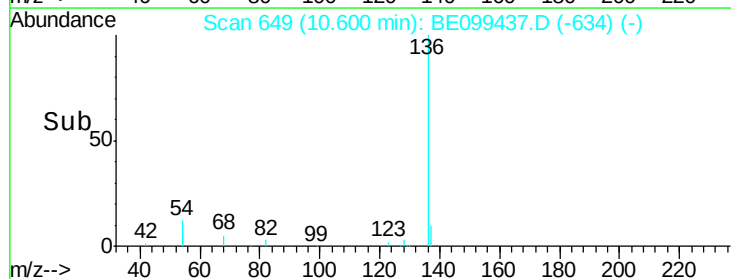
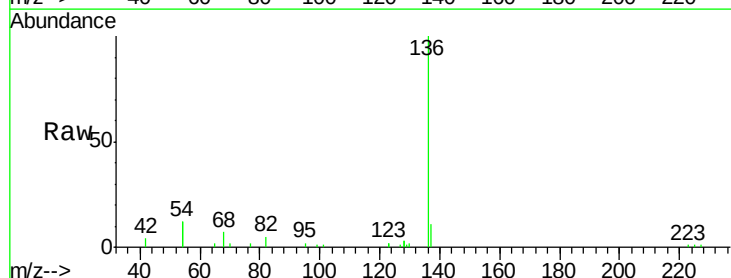
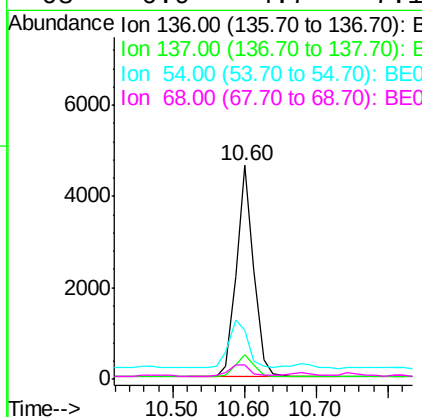
RT: 10.60 min Scan# 649

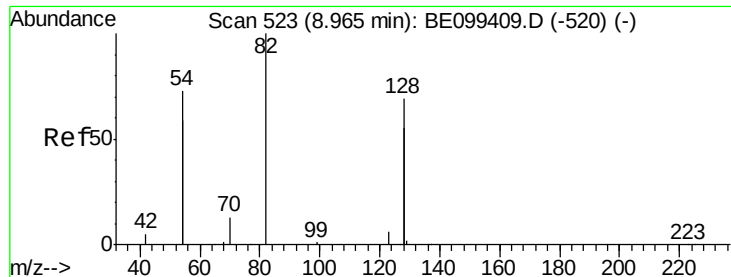
Delta R.T. -0.00 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Tgt Ion:	136	Resp:	7740
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.8	14.8
54	23.0	18.5	27.7
68	6.9	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.313 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

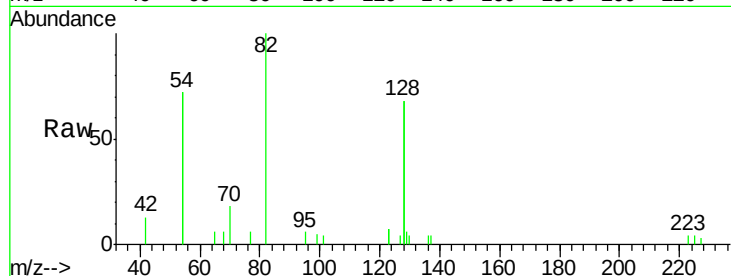
ClientSampleId :

PST-023-SW030-042319

Tgt Ion:	82	Resp:	2274
Ion Ratio	Lower	Upper	
82	100		
128	136.2	107.0	160.4
54	144.5	113.1	169.7

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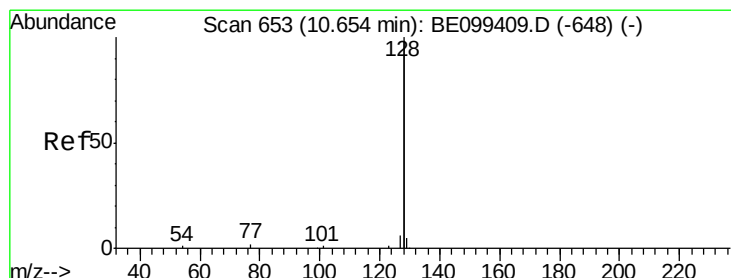
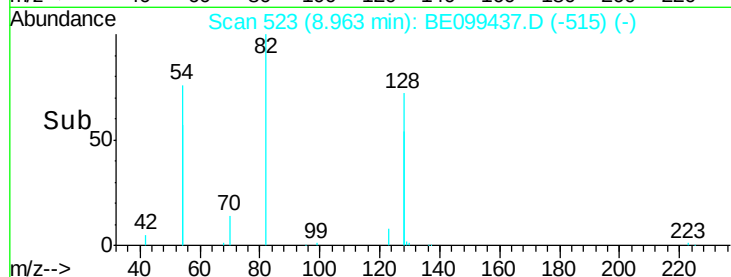
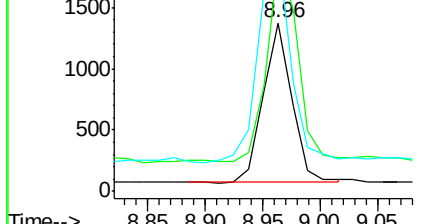
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Abundance Ion 82.00 (81.70 to 82.70): BE099409.D (-520) (-)

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

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



#9

Naphthalene

Concen: 0.087 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099437.D

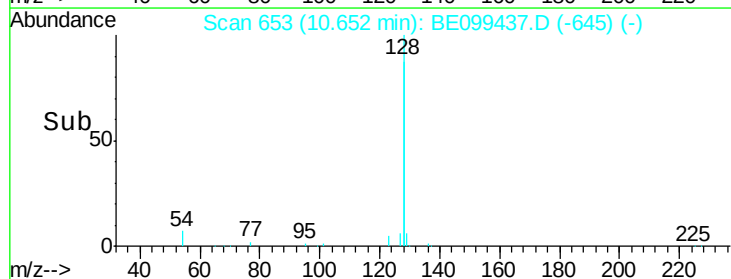
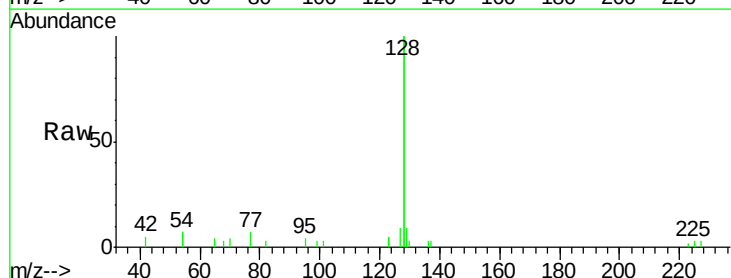
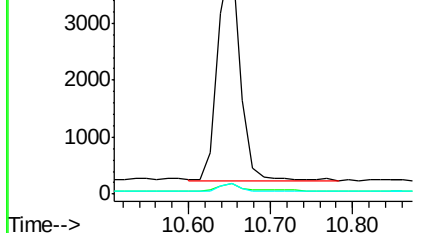
Acq: 30 Apr 2019 22:13

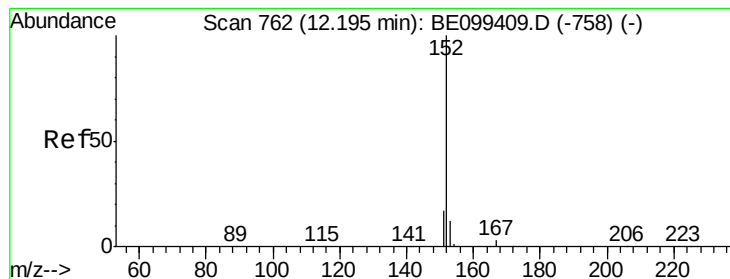
Tgt Ion:	128	Resp:	7325
Ion Ratio	Lower	Upper	
128	100		
129	4.3	2.4	3.6#
127	4.3	2.8	4.2#

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) (-)





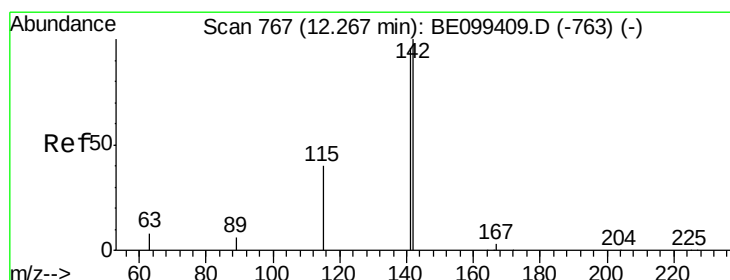
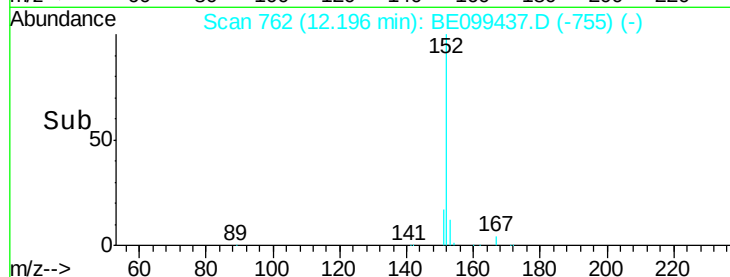
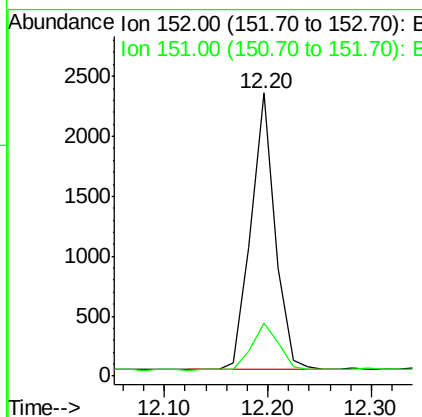
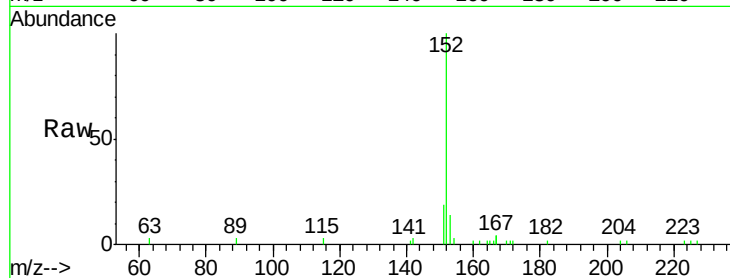
#11
 2-Methylnaphthalene-d10
 Concen: 0.268 ng
 RT: 12.20 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE099437.D
 Acq: 30 Apr 2019 22:13

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW030-042319

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.5	23.3

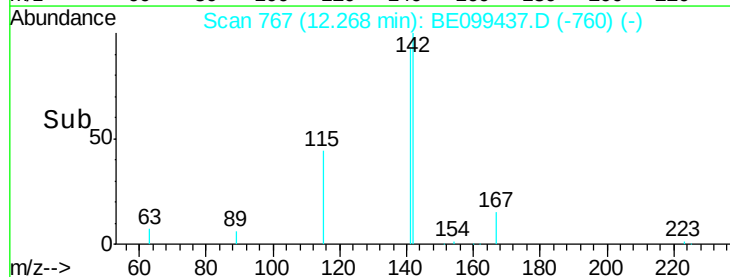
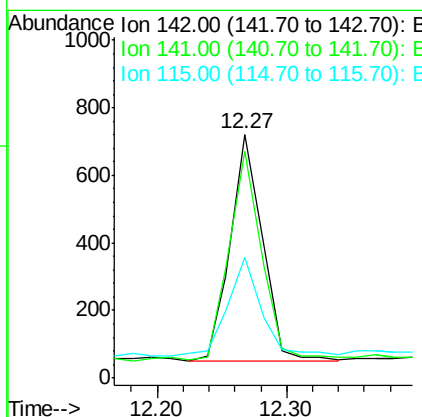
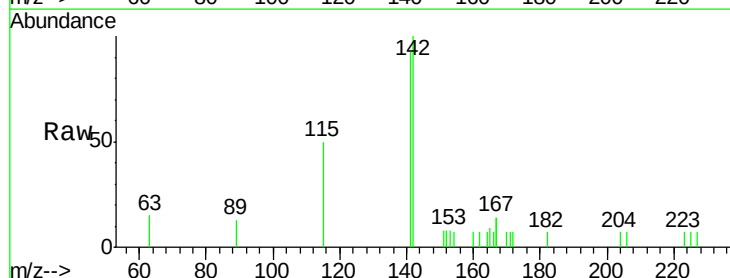
Manual Integrations
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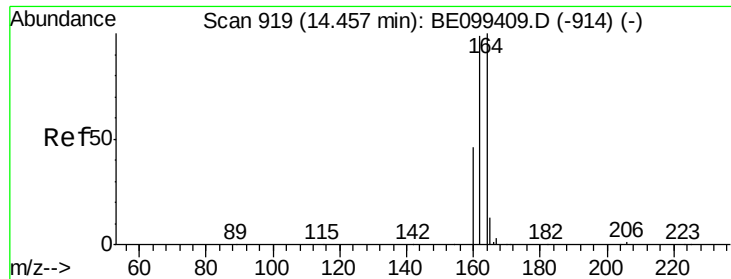
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#12
 2-Methylnaphthalene
 Concen: 0.078 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE099437.D
 Acq: 30 Apr 2019 22:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.3	77.0	115.4
115	49.8	33.4	50.0





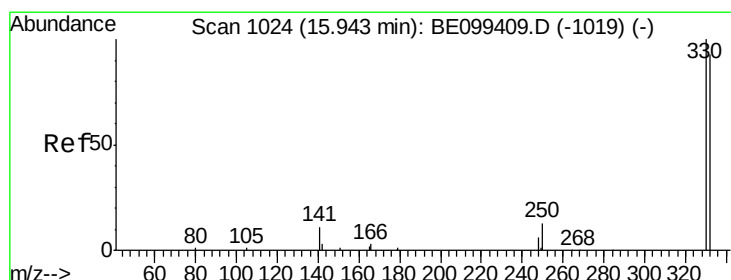
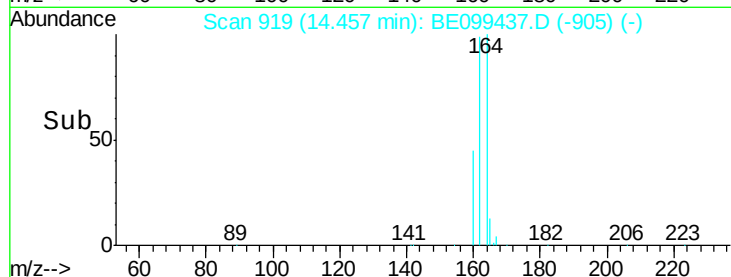
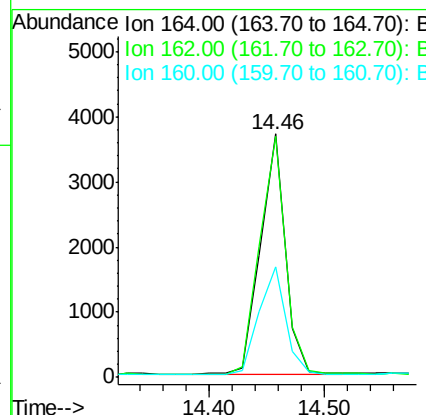
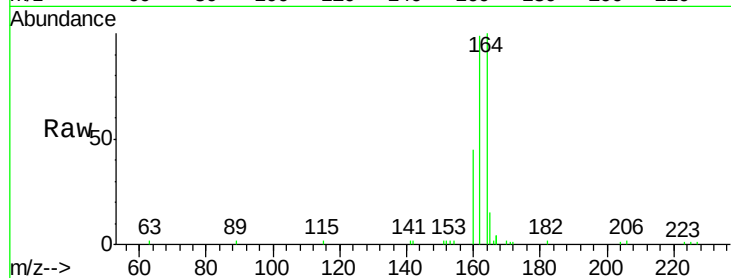
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: BE099437.D
 Acq: 30 Apr 2019 22:13

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW030-042319

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.0	118.4
160	45.3	37.0	55.4

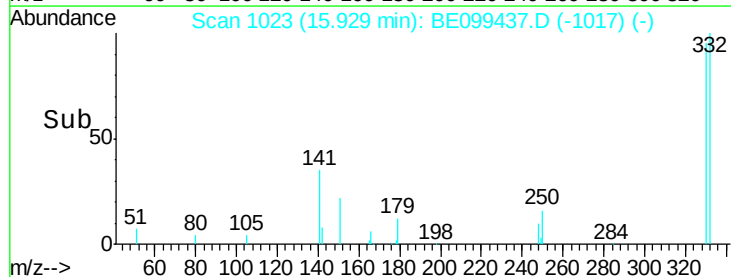
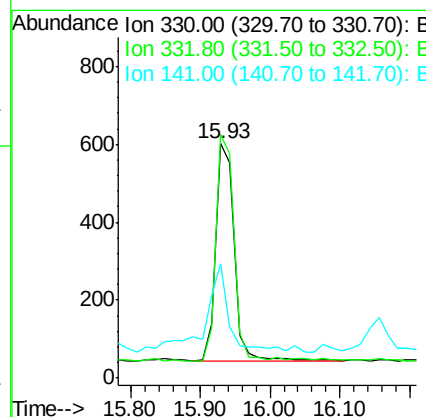
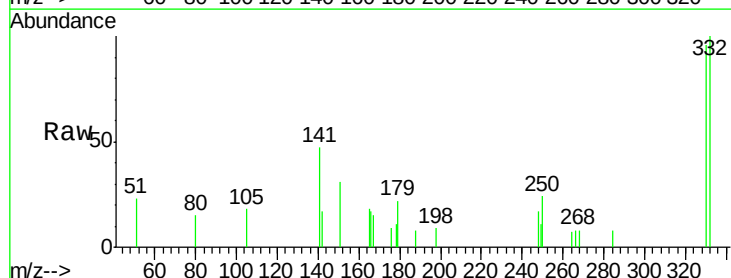
Manual Integrations
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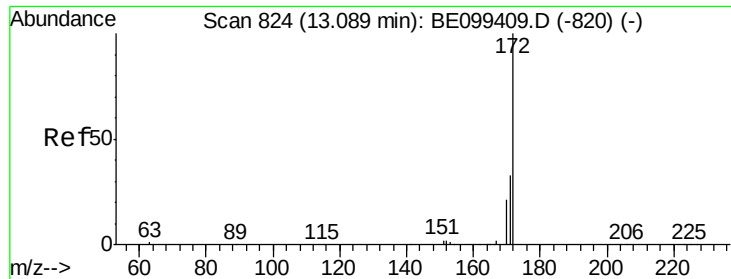
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#14
 2,4,6-Tribromophenol
 Concen: 0.304 ng
 RT: 15.93 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: BE099437.D
 Acq: 30 Apr 2019 22:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.5	71.5	107.3
141	46.3	24.0	36.0#





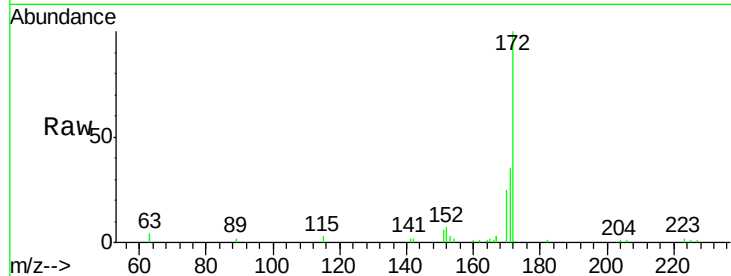
#15
2-Fluorobiphenyl
Concen: 0.267 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099437.D
Acq: 30 Apr 2019 22:13

Instrument :
BNA_E
ClientSampleId :
PST-023-SW030-042319

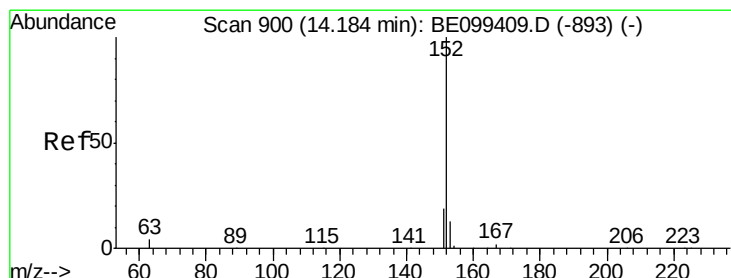
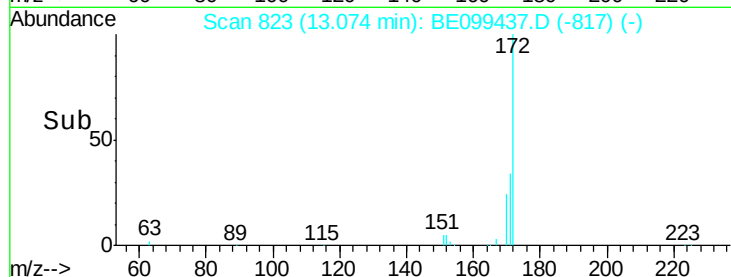
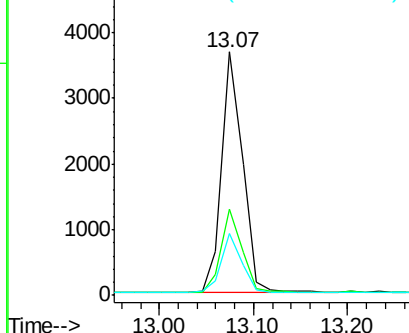
Tgt Ion:	172	Resp:	5611
Ion Ratio	Lower	Upper	
172	100		
171	35.4	26.6	39.8
170	25.2	17.0	25.6

Manual Integrations
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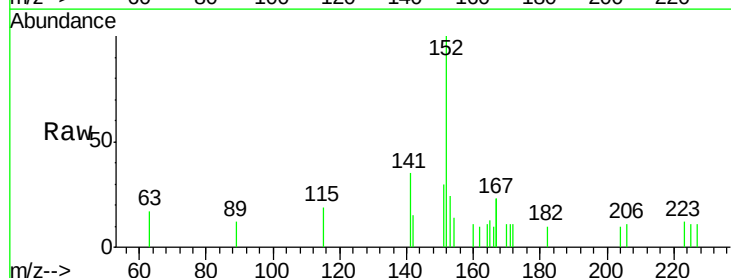


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

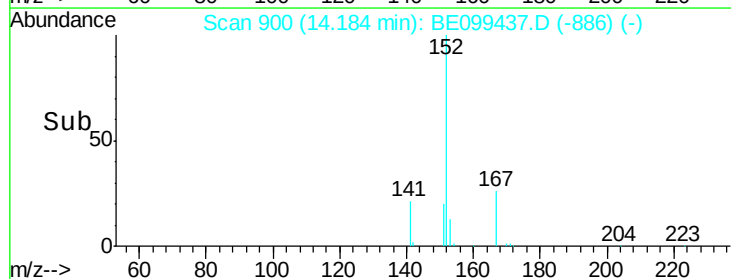
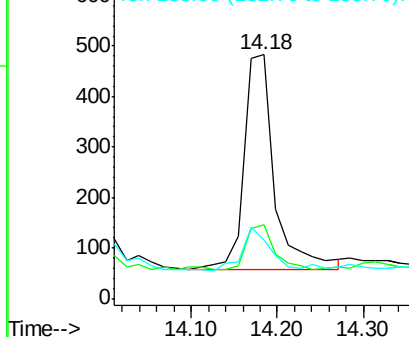


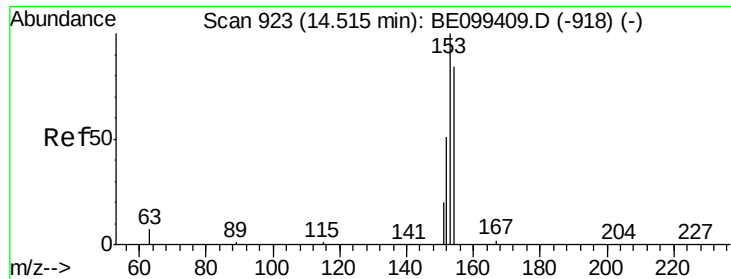
#16
Acenaphthylene
Concen: 0.038 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099437.D
Acq: 30 Apr 2019 22:13

Tgt Ion:	152	Resp:	1033
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.4	23.2
153	16.5	9.8	14.6#



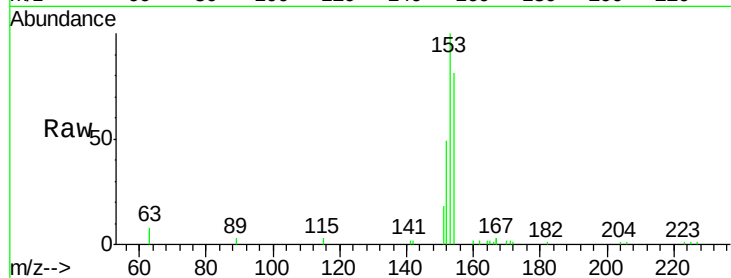
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17
Acenaphthene
Concen: 0.276 ng
RT: 14.52 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE099437.D
Acq: 30 Apr 2019 22:13

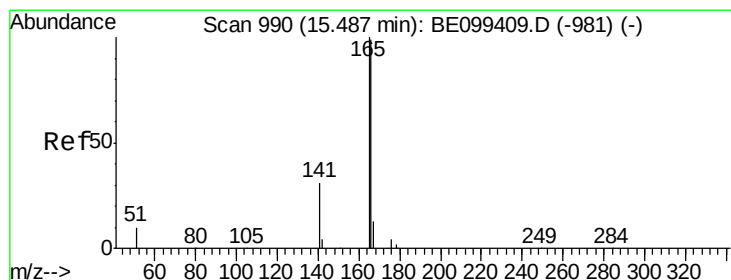
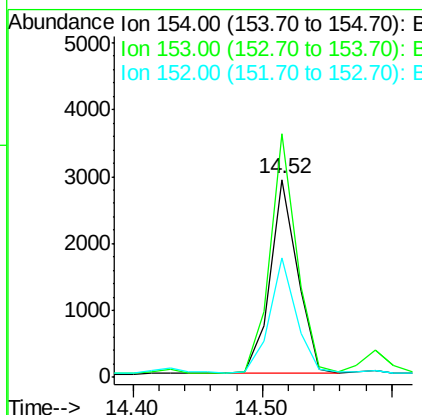
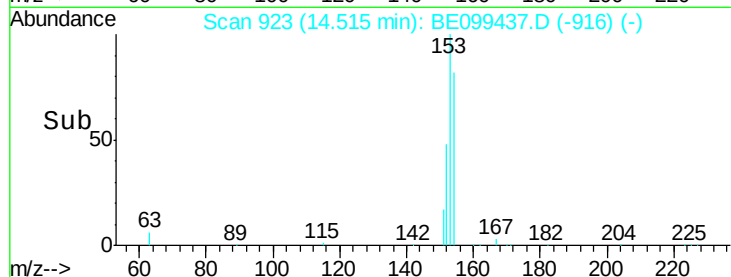
Instrument :
BNA_E
ClientSampleId :
PST-023-SW030-042319



Tgt Ion	Ratio	Lower	Upper
154	100		
153	121.4	92.6	138.8
152	59.0	45.8	68.8

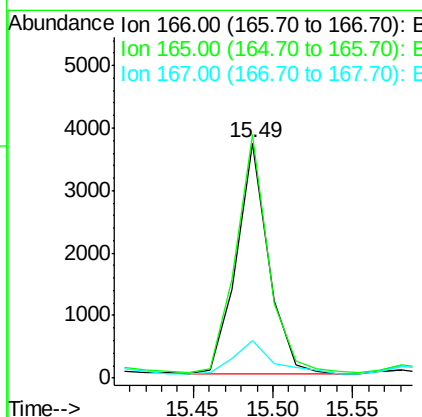
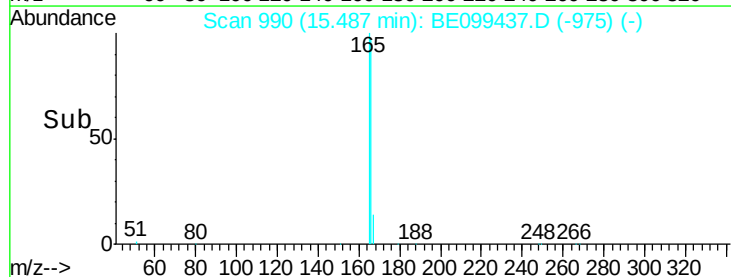
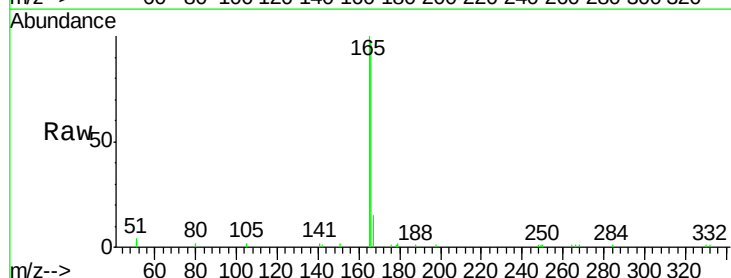
Manual Integrations
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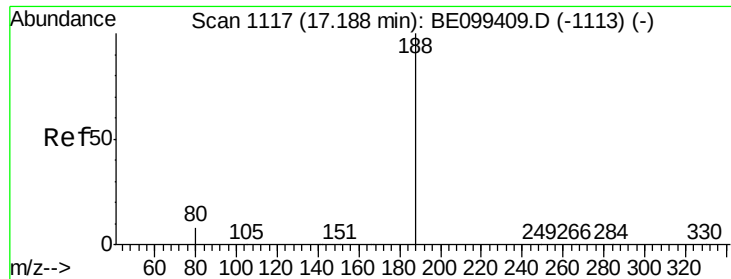
Sohil
5/1/2019 12:02:42 PM



#18
Fluorene
Concen: 0.227 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.00 min
Lab File: BE099437.D
Acq: 30 Apr 2019 22:13

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.0	80.3	120.5
167	18.1	10.7	16.1





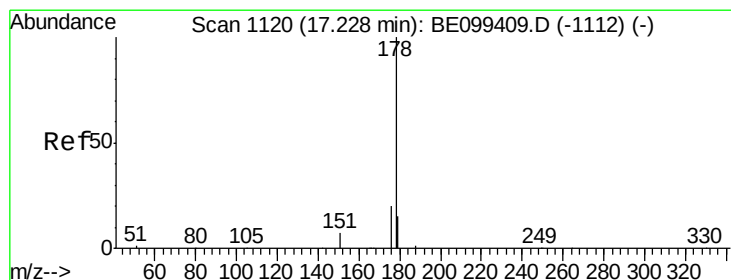
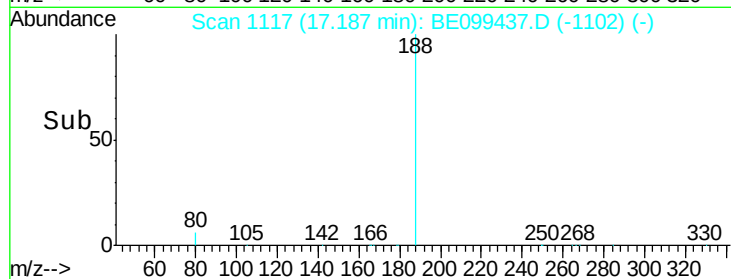
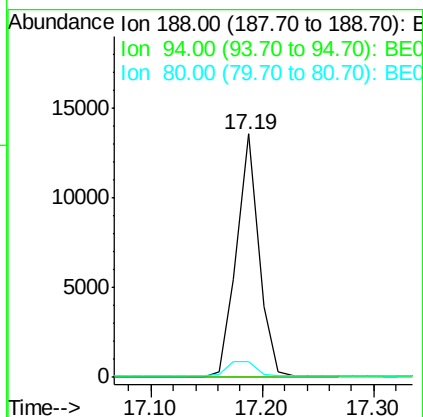
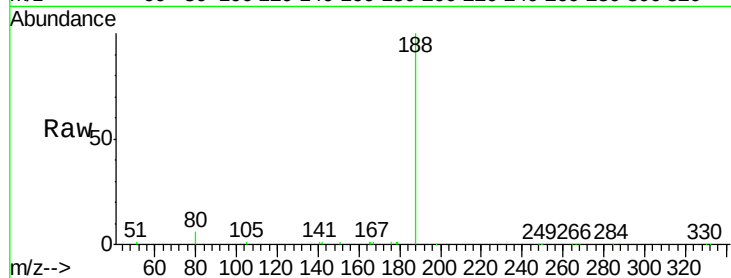
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE099437.D
Acq: 30 Apr 2019 22:13

Instrument :
BNA_E
ClientSampleId :
PST-023-SW030-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	6.3	6.7	10.1

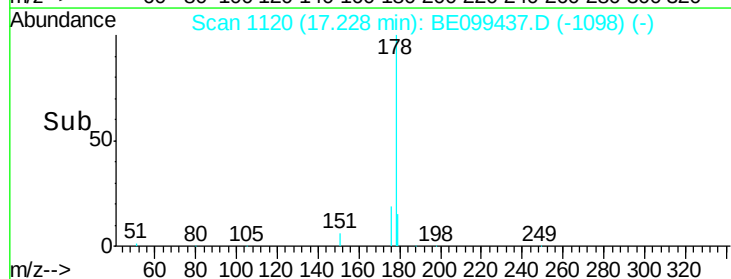
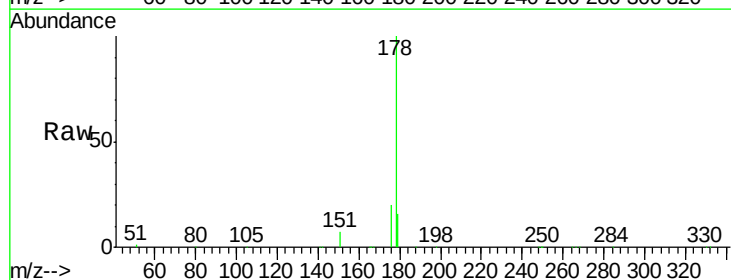
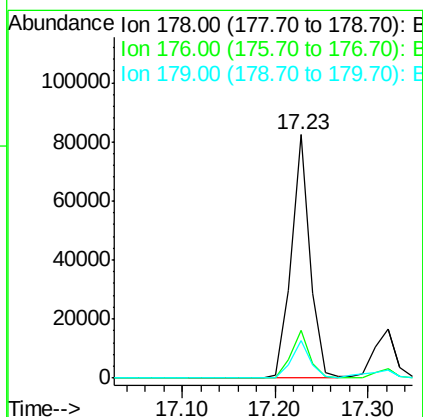
Manual Integrations
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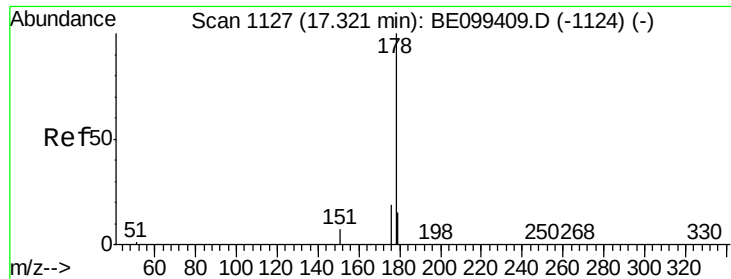
Sohil
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#23
Phenanthrene
Concen: 2.378 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099437.D
Acq: 30 Apr 2019 22:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	15.6	23.4
179	15.6	12.0	18.0





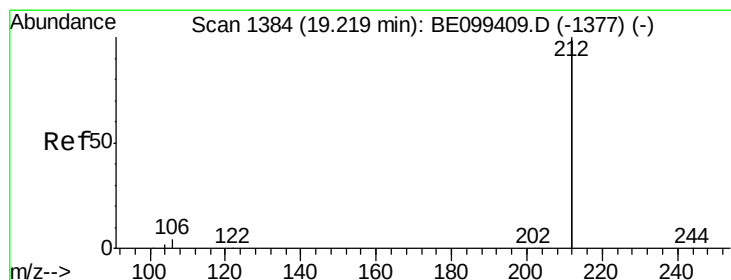
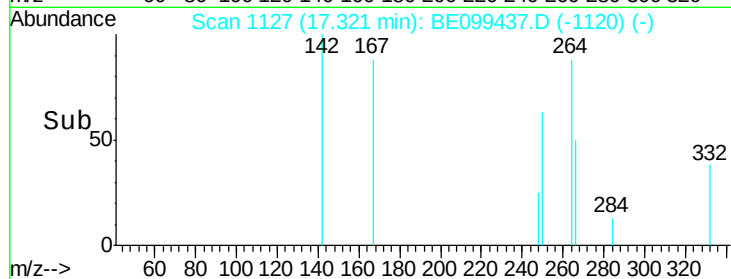
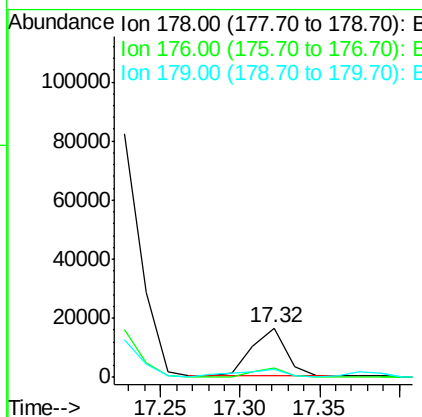
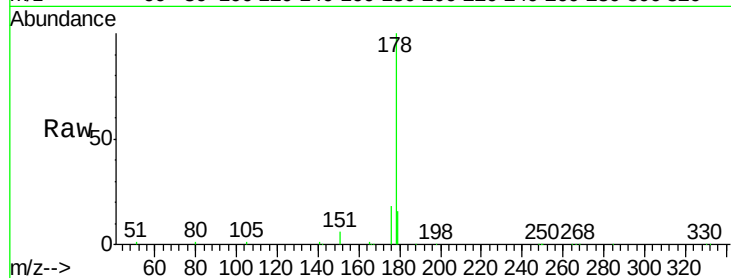
#24
 Anthracene
 Concen: 0.530 ng
 RT: 17.32 min Scan# 1127
 Delta R.T. -0.00 min
 Lab File: BE099437.D
 Acq: 30 Apr 2019 22:13

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW030-042319

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.9	22.3
179	21.7	11.9	17.9

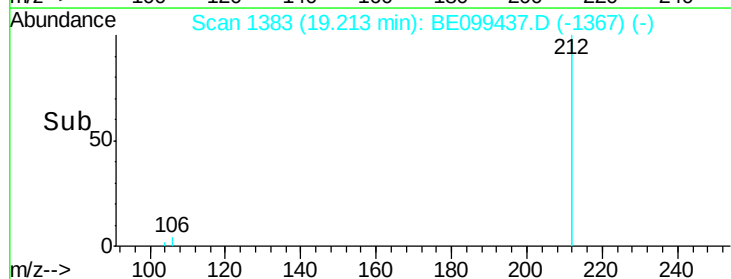
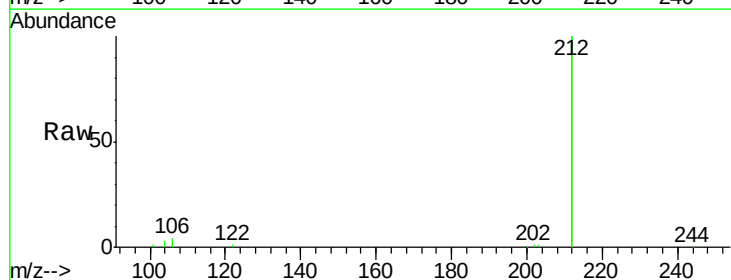
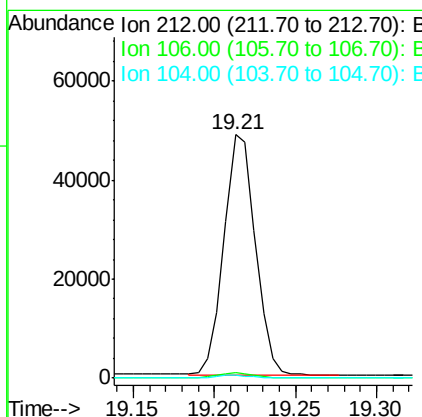
Manual Integrations
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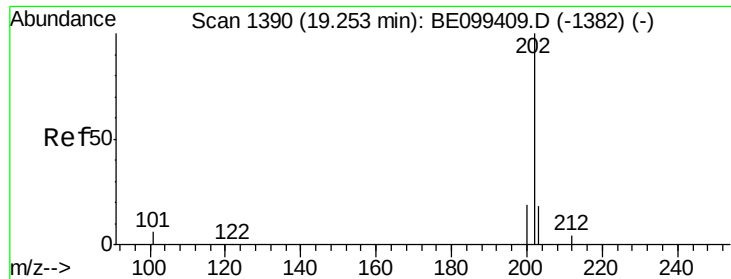
Sohil
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#25
 Fluoranthene-d10
 Concen: 0.258 ng
 RT: 19.21 min Scan# 1383
 Delta R.T. -0.01 min
 Lab File: BE099437.D
 Acq: 30 Apr 2019 22:13

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.0	1.5	2.3
104	1.1	0.9	1.3





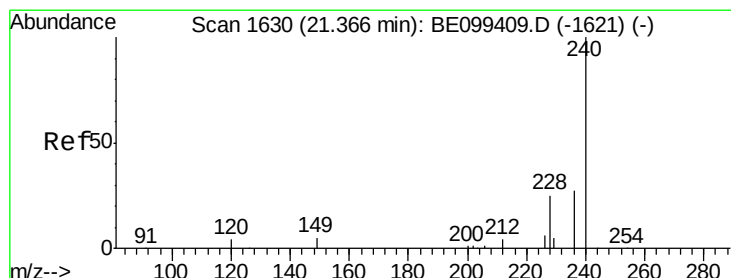
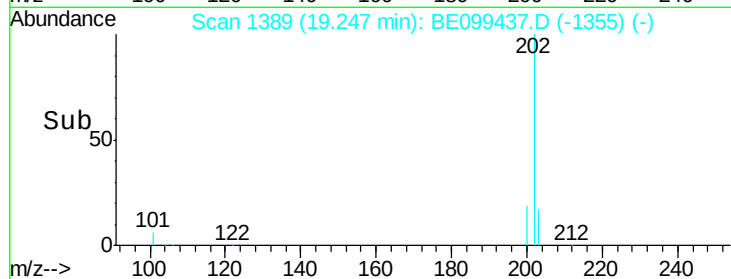
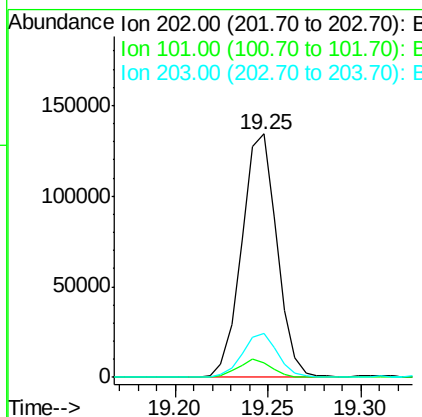
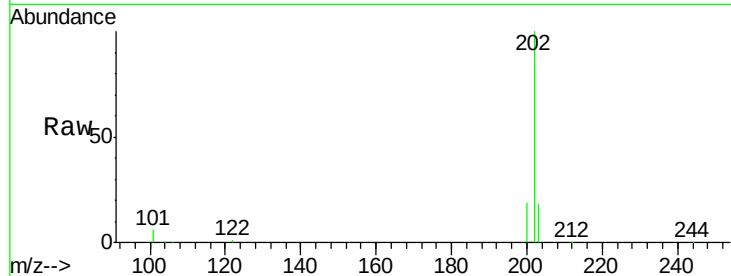
#26
 Fluoranthene
 Concen: 2.434 ng
 RT: 19.25 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BE099437.D
 Acq: 30 Apr 2019 22:13

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW030-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	6.8	5.4	8.0
203	17.6	13.9	20.9

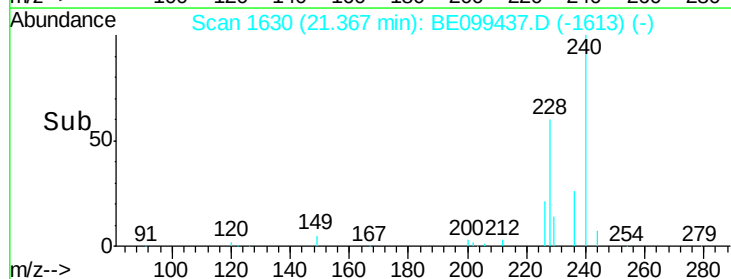
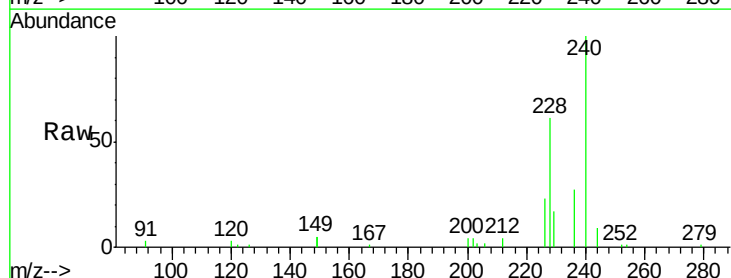
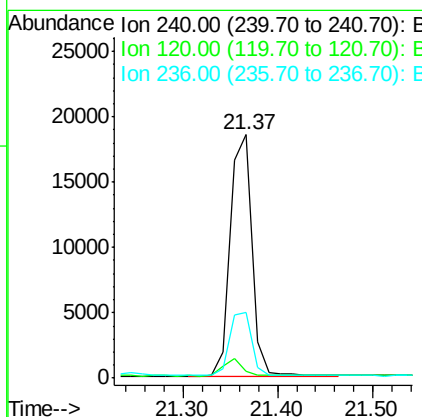
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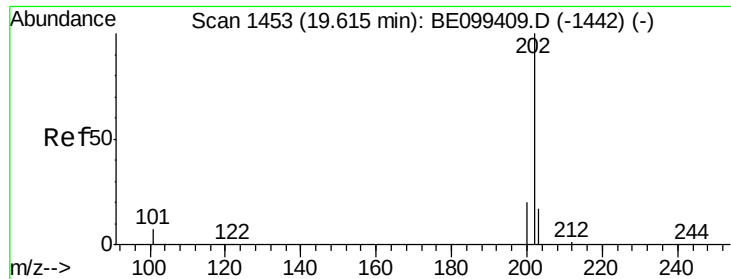
Sohil
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099437.D
 Acq: 30 Apr 2019 22:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	2.9	4.0	6.0#
236	26.9	22.0	33.0





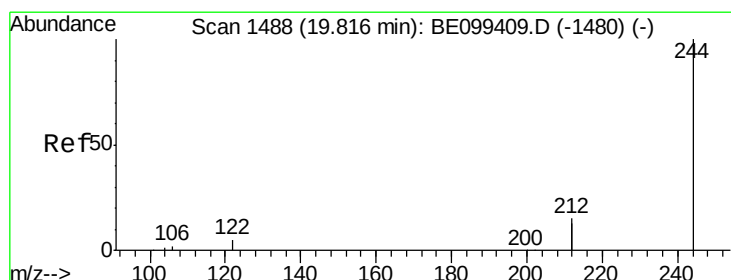
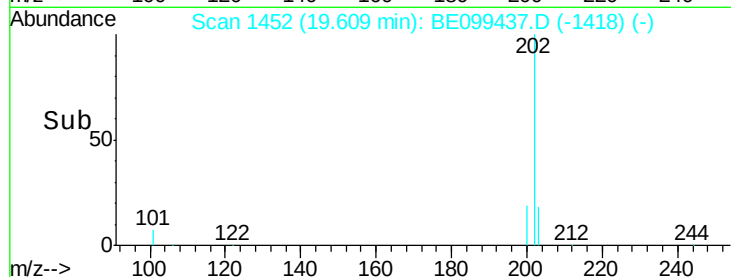
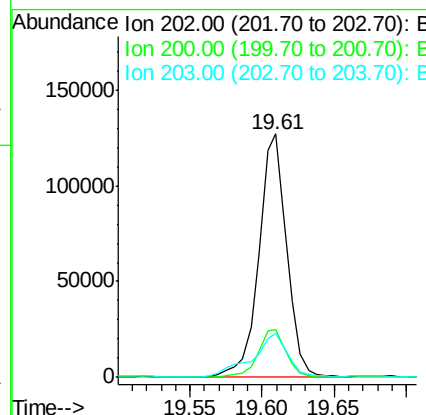
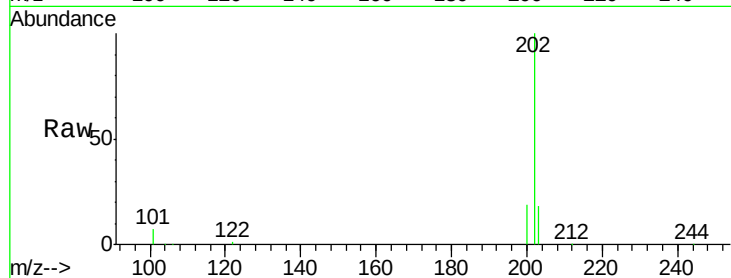
#28
 Pyrene
 Concen: 2.250 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099437.D
 Acq: 30 Apr 2019 22:13

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW030-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.8	15.7	23.5
203	23.0	13.9	20.9

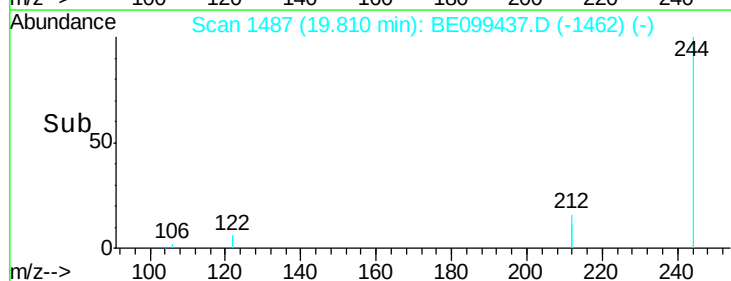
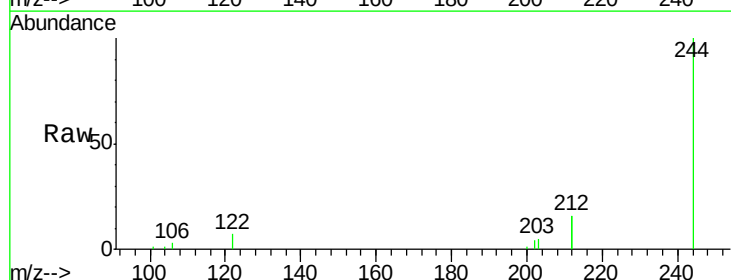
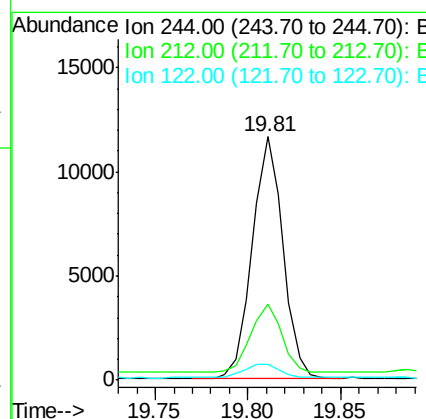
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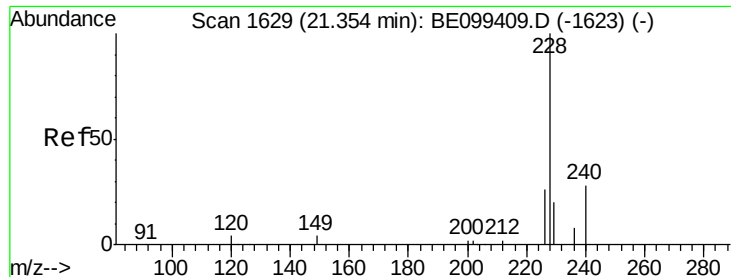
Sohil
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#29
 Terphenyl-d14
 Concen: 0.250 ng
 RT: 19.81 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: BE099437.D
 Acq: 30 Apr 2019 22:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	31.0	23.2	34.8
122	6.7	4.2	6.4





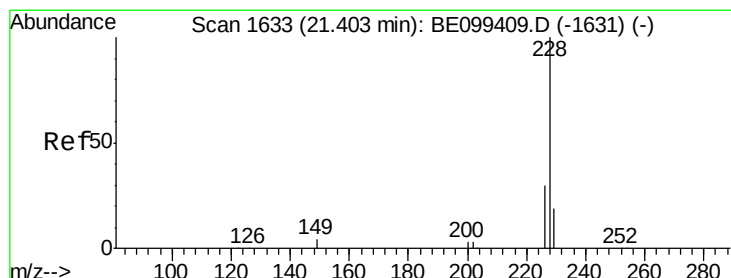
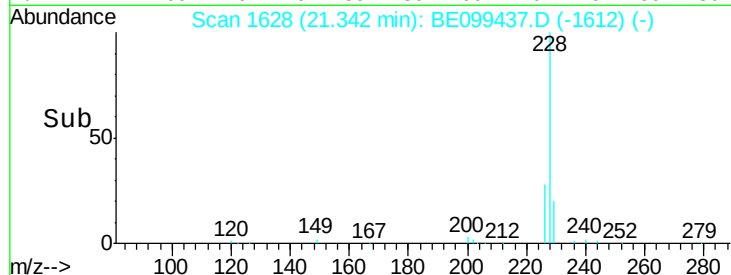
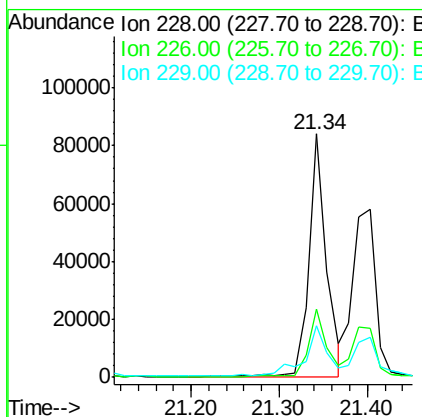
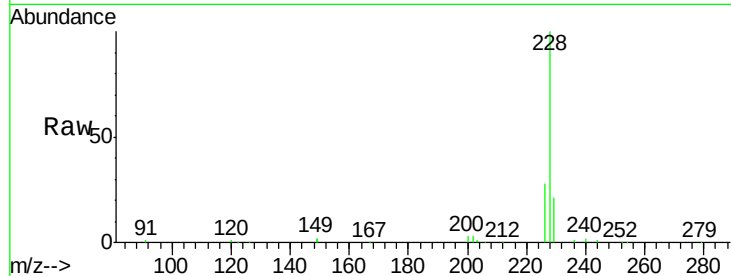
#30
Benzo(a)anthracene
Concen: 1.238 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099437.D
Acq: 30 Apr 2019 22:13

Instrument :
BNA_E
ClientSampleId :
PST-023-SW030-042319

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.0	31.6
229	21.0	16.6	25.0

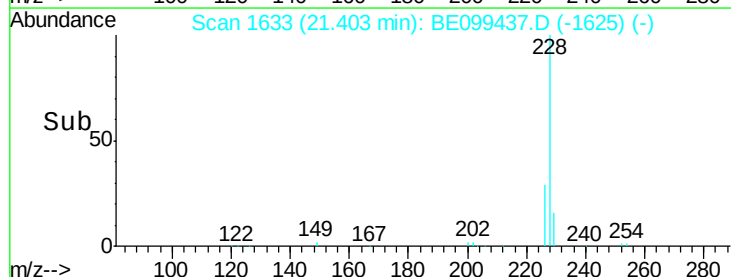
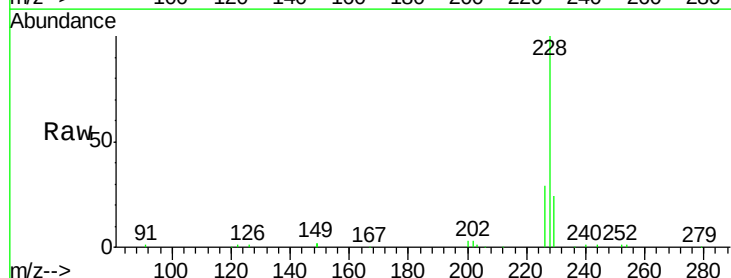
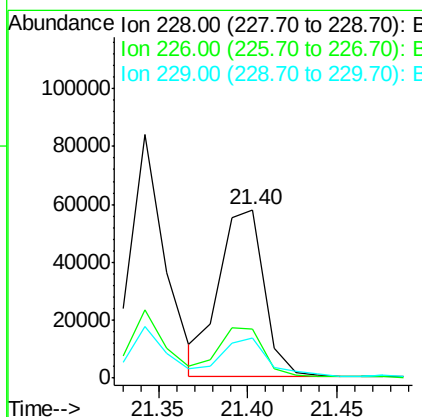
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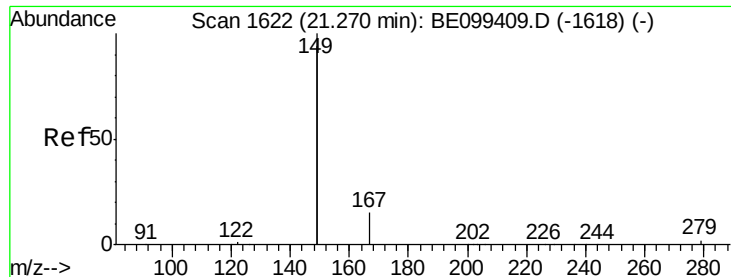
Sohil
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#31
Chrysene
Concen: 1.129 ng m
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099437.D
Acq: 30 Apr 2019 22:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.0	36.0
229	23.9	15.8	23.8#





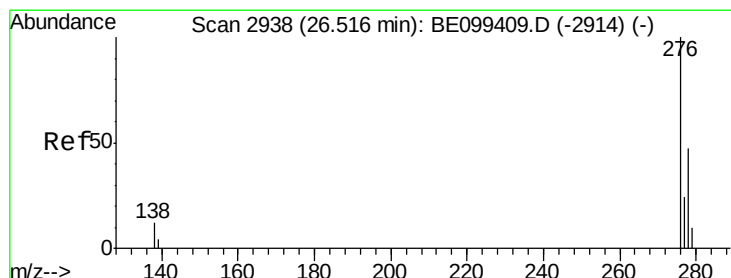
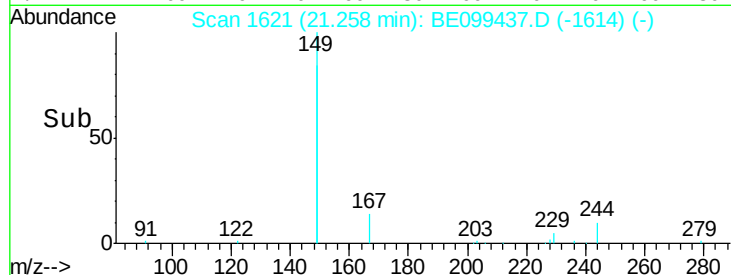
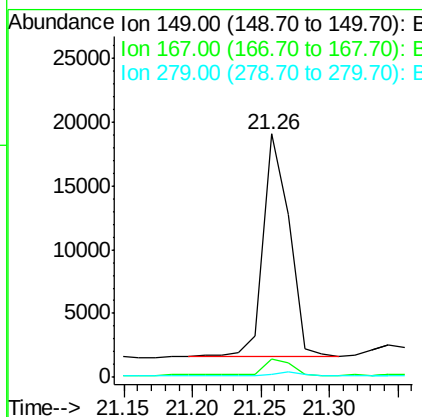
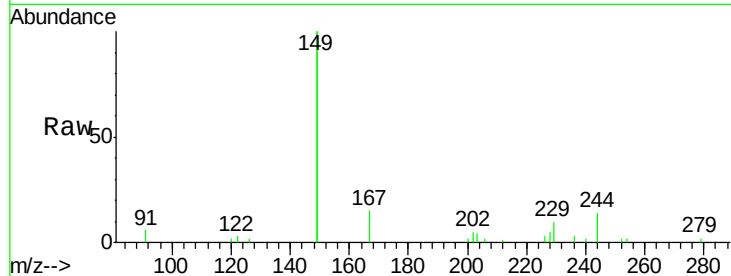
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.102 ng
 RT: 21.26 min Scan# 1621
 Delta R.T. -0.01 min
 Lab File: BE099437.D
 Acq: 30 Apr 2019 22:13

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW030-042319

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	8.1	5.8	8.6
279	1.7	1.0	1.6#

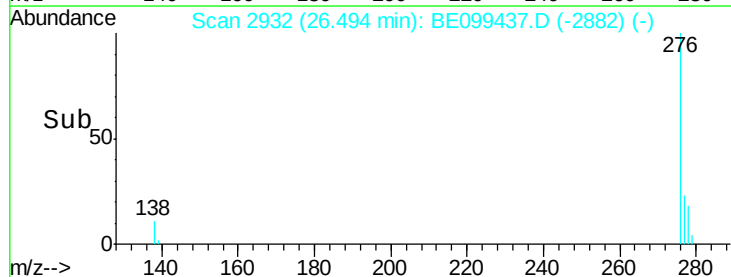
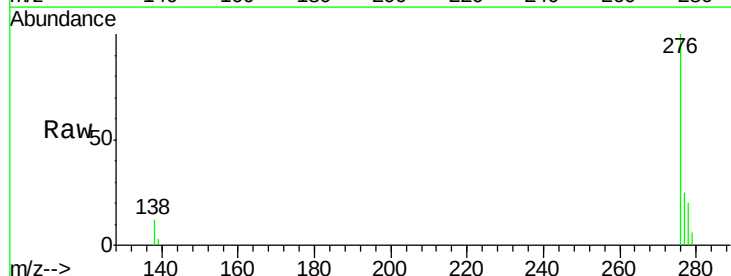
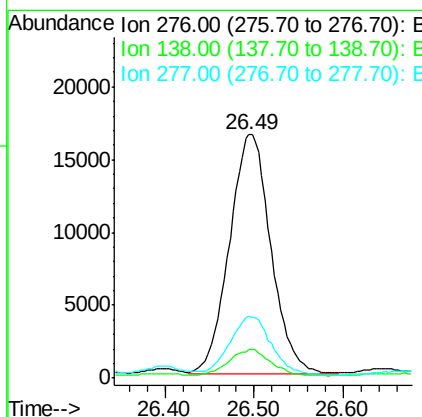
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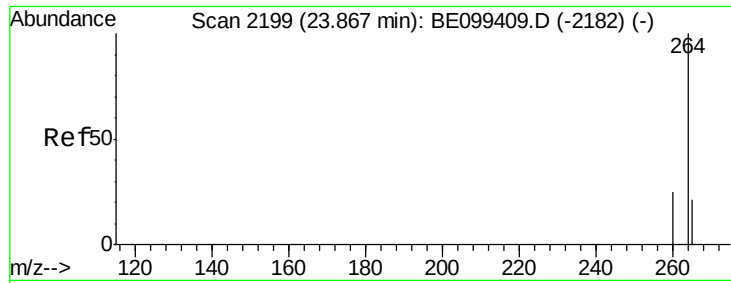
Sohil
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.493 ng
 RT: 26.49 min Scan# 2932
 Delta R.T. -0.02 min
 Lab File: BE099437.D
 Acq: 30 Apr 2019 22:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	11.2	10.2	15.2
277	24.5	19.2	28.8





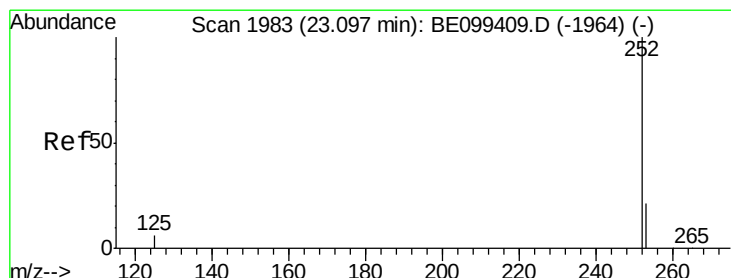
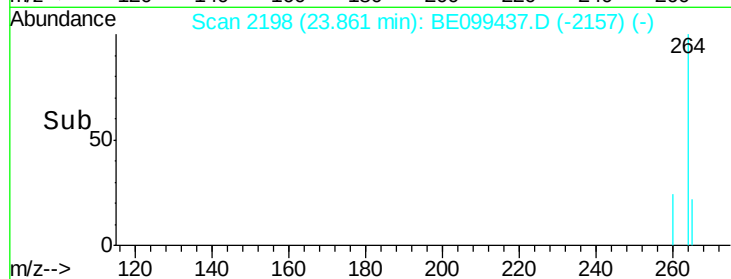
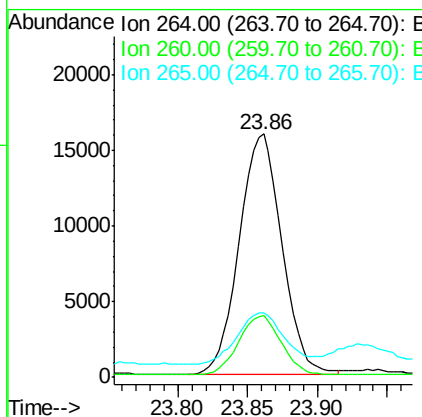
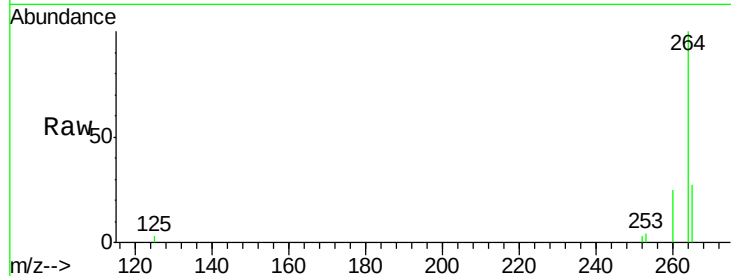
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BE099437.D
 Acq: 30 Apr 2019 22:13

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-SW030-042319

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	26.7	21.3	31.9

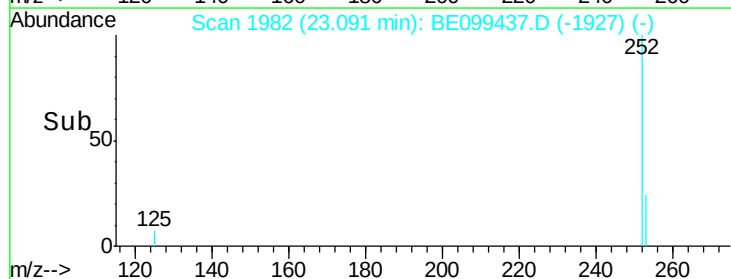
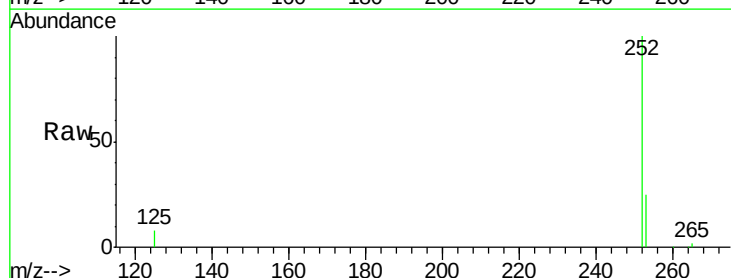
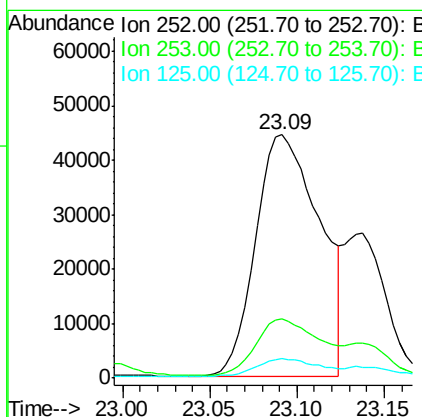
Manual Integrations
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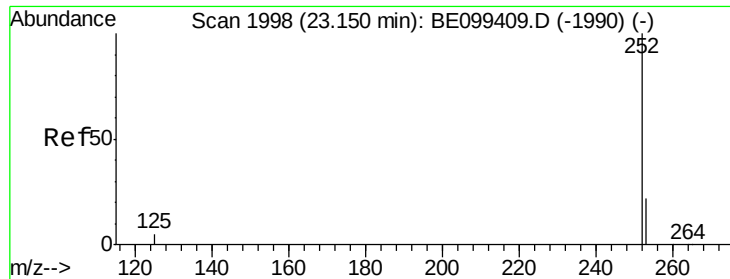
Sohil
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#35
Benzo(b)fluoranthene
 Concen: 1.166 ng
 RT: 23.09 min Scan# 1982
 Delta R.T. -0.01 min
 Lab File: BE099437.D
 Acq: 30 Apr 2019 22:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.1	27.1
125	7.8	5.6	8.4





#36

Benzo(k)fluoranthene

Concen: 0.471 ng m

RT: 23.14 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Instrument :

BNA_E

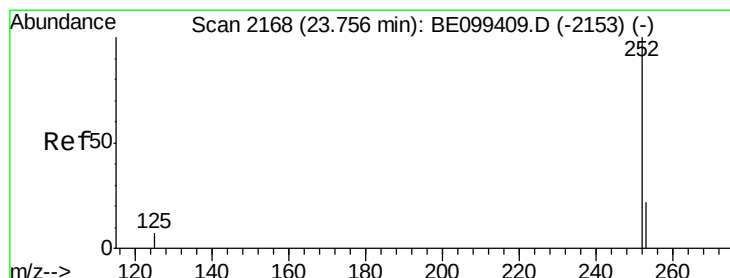
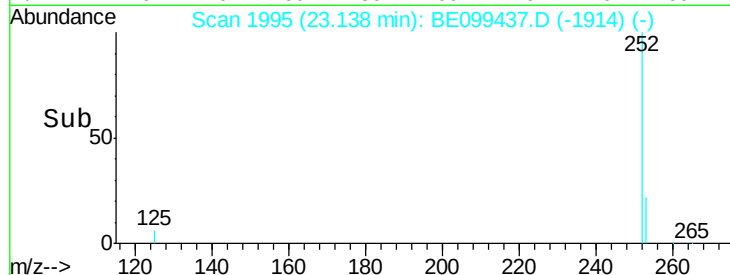
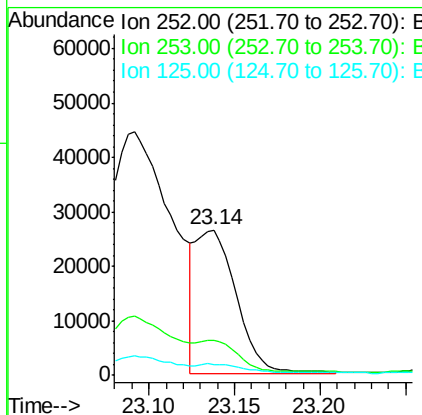
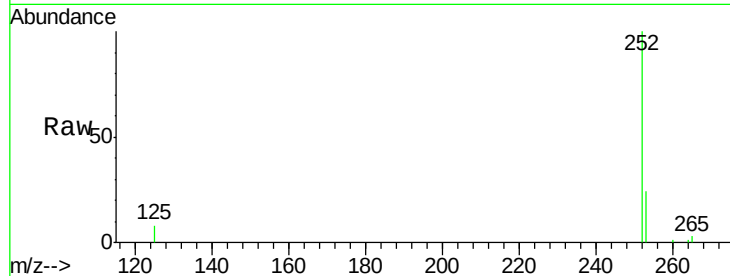
ClientSampleId :

PST-023-SW030-042319

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	7.7	5.0	7.4

Manual Integrations
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#37

Benzo(a)pyrene

Concen: 0.957 ng

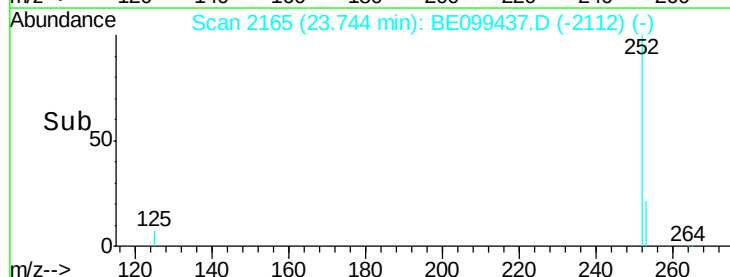
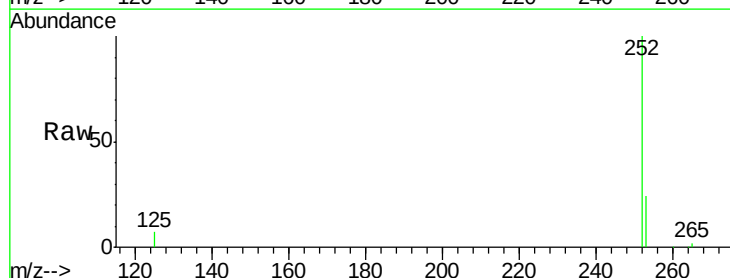
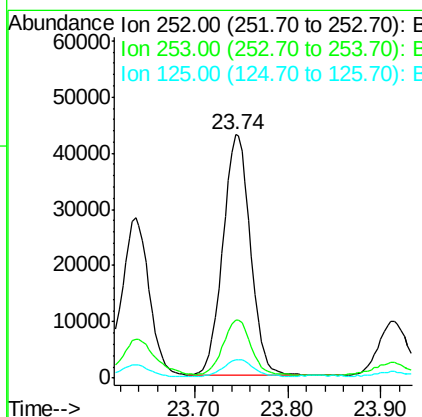
RT: 23.74 min Scan# 2165

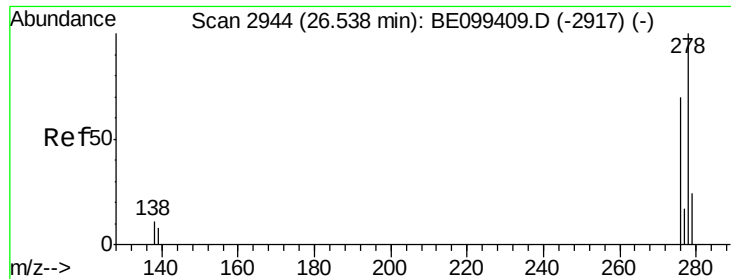
Delta R.T. -0.01 min

Lab File: BE099437.D

Acq: 30 Apr 2019 22:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.9	28.3
125	7.4	6.7	10.1





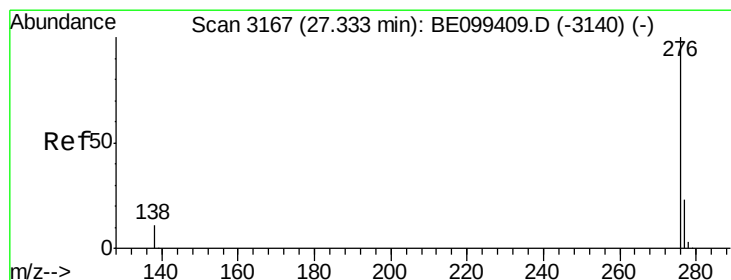
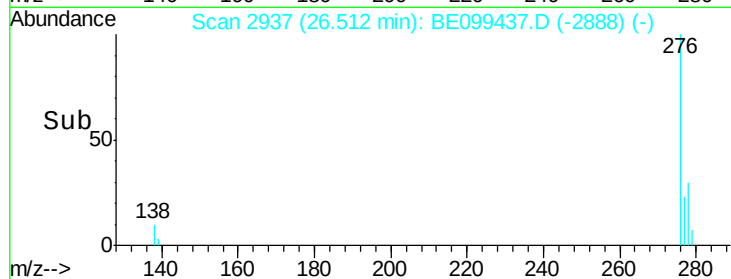
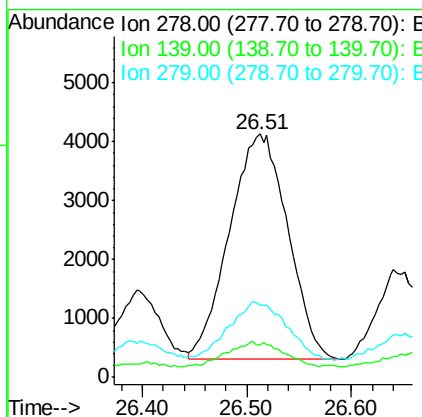
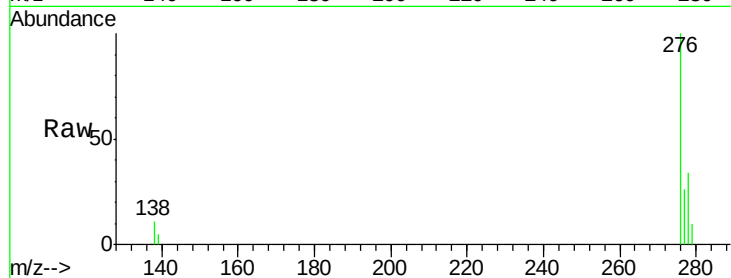
#38
Dibenzo(a,h)anthracene
Concen: 0.158 ng
RT: 26.51 min Scan# 2937
Delta R.T. -0.03 min
Lab File: BE099437.D
Acq: 30 Apr 2019 22:13

Instrument :
BNA_E
ClientSampleId :
PST-023-SW030-042319

Tgt Ion: 278 Resp: 14829
Ion Ratio Lower Upper
278 100
139 13.5 7.7 11.5#
279 29.5 20.2 30.2

Manual Integrations
APPROVED

Sohil
5/1/2019 12:02:42 PM



#39
Benzo(g,h,i)perylene
Concen: 0.547 ng
RT: 27.31 min Scan# 3162
Delta R.T. -0.02 min
Lab File: BE099437.D
Acq: 30 Apr 2019 22:13

Tgt Ion: 276 Resp: 51507
Ion Ratio Lower Upper
276 100
277 25.0 19.5 29.3
138 11.5 9.6 14.4

