

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099391.D
 Acq On : 26 Apr 2019 23:30
 Operator : JU/SJ
 Sample : K2533-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-B182-042219

Manual Integrations
 APPROVED

Sohil
 4/29/2019 1:31:51 PM

Quant Time: Apr 27 07:07:36 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Apr 19 06:51:38 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3876	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	15609	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	11692	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	32658	0.40	ng	0.00
27) Chrysene-d12	21.37	240	35523	0.40	ng	0.00
34) Perylene-d12	23.87	264	41224	0.40	ng	0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2957	0.31	ng	0.00
5) Phenol-d6	6.98	99	4338	0.32	ng	0.00
8) Nitrobenzene-d5	8.96	82	3963	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	7268	0.26	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	1967	0.51	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	10682	0.23	ng	0.00
25) Fluoranthene-d10	19.22	212	89633	0.23	ng	0.00
29) Terphenyl-d14	19.82	244	15111	0.22	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	3955	0.023	ng	# 93
12) 2-Methylnaphthalene	12.28	142	628	0.022	ng	# 87
16) Acenaphthylene	14.18	152	4673	0.088	ng	97
18) Fluorene	15.50	166	1234	0.026	ng	89
22) Pentachlorophenol	16.84	266	934	0.353	ng	97
23) Phenanthrene	17.24	178	26063	0.301	ng	100
24) Anthracene	17.32	178	3823	0.050	ng	# 94
26) Fluoranthene	19.25	202	59491	0.514	ng	98
28) Pyrene	19.62	202	59330	0.567	ng	96
30) Benzo(a)anthracene	21.36	228	33778	0.323	ng	# 88
31) Chrysene	21.40	228	46302	0.417	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.27	149	47120	0.496	ng	99
33) Indeno(1,2,3-cd)pyrene	26.52	276	26460	0.241	ng	# 95
35) Benzo(b)fluoranthene	23.10	252	63504	0.503	ng	# 83
36) Benzo(k)fluoranthene	23.15	252	21052m	0.167	ng	
37) Benzo(a)pyrene	23.76	252	36188	0.320	ng	# 82
38) Dibenzo(a,h)anthracene	26.54	278	6726	0.058	ng	# 28
39) Benzo(a,h,i)perylene	27.35	276	26272	0.224	ng	# 88

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

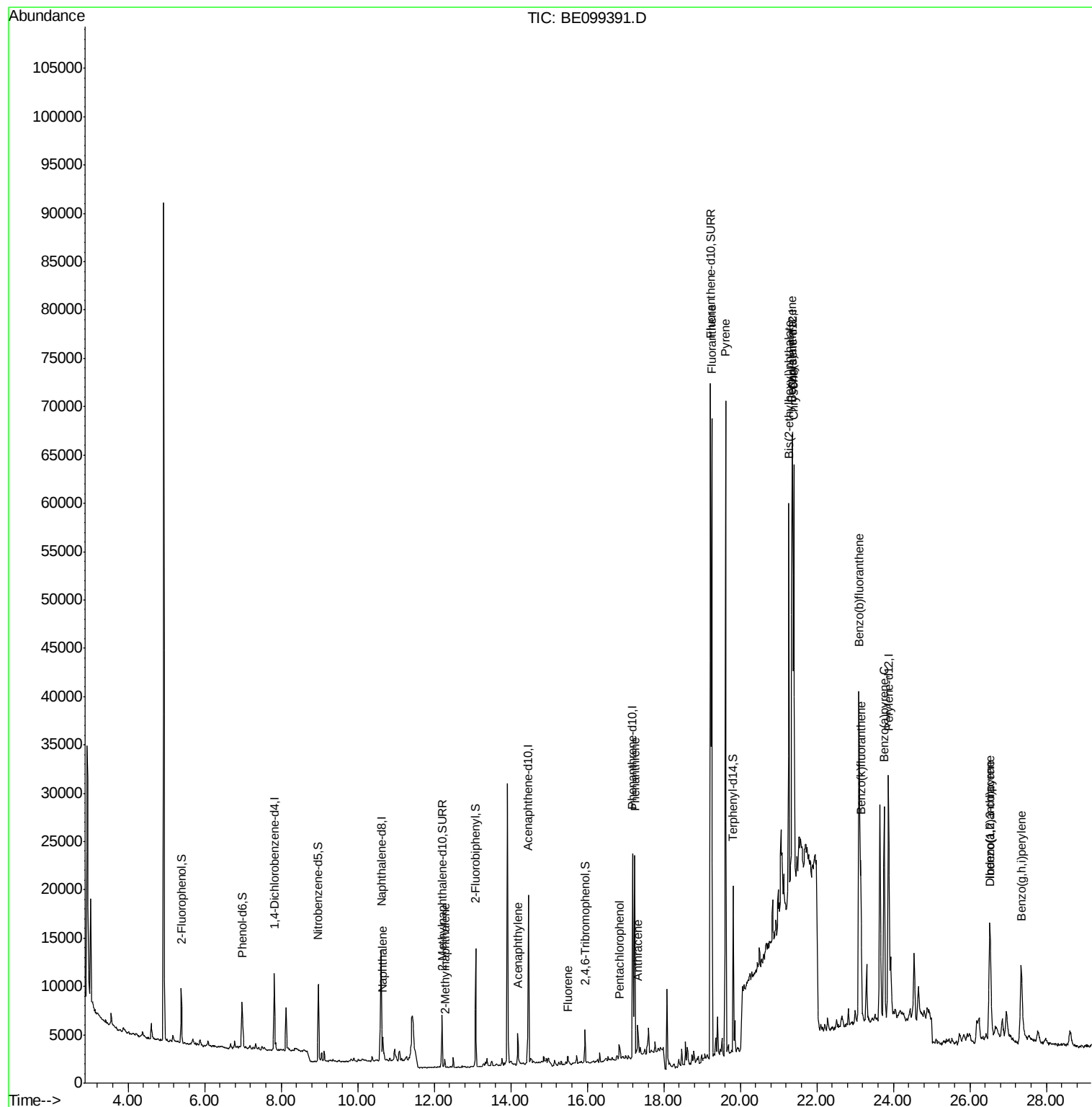
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
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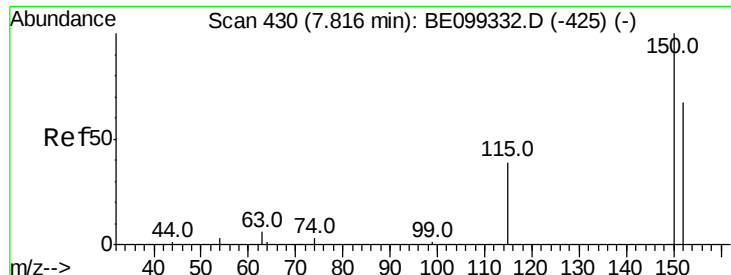
Instrument :
BNA_E
ClientSampleId :
PST-023-B182-042219

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4/29/2019 1:31:51 PM

Quant Time: Apr 27 07:07:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 19 06:51:38 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099391.D

Acq: 26 Apr 2019 23:30

Instrument :

BNA_E

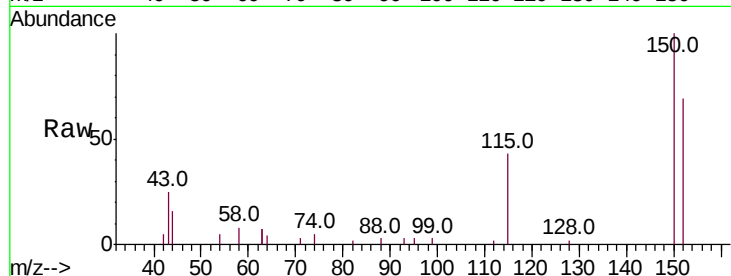
ClientSampleId :

PST-023-B182-042219

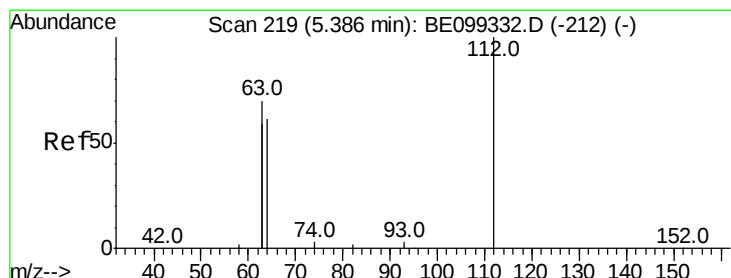
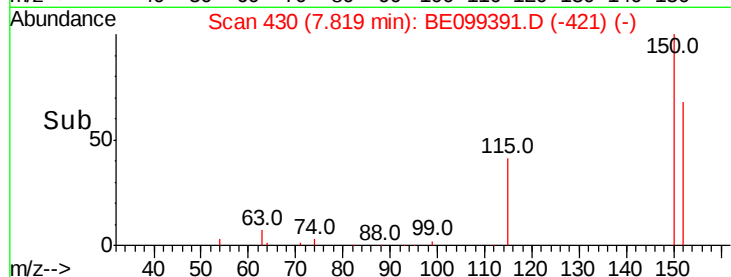
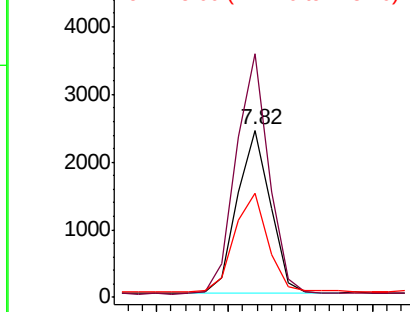
Tot Ion:	152	Resp:	3876
Ion	Ratio	Lower	Upper
152	100		
150	145.4	119.5	179.3
115	61.9	47.5	71.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.312 ng

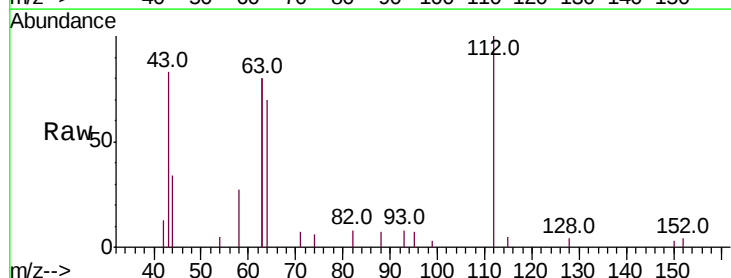
RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

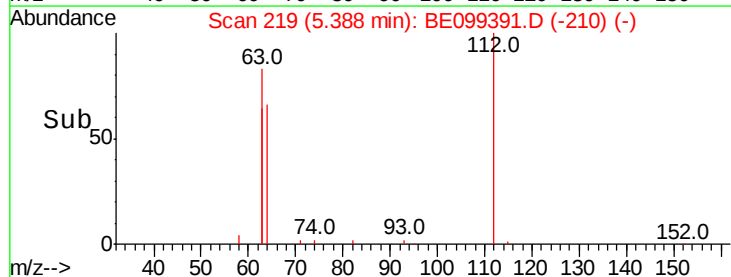
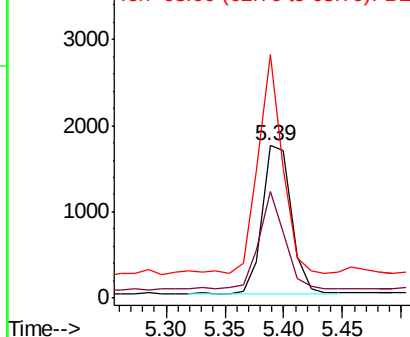
Lab File: BE099391.D

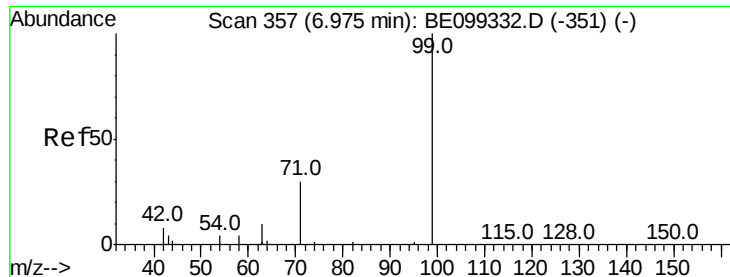
Acq: 26 Apr 2019 23:30

Tgt Ion:	112	Resp:	2957
Ion	Ratio	Lower	Upper
112	100		
64	58.2	44.9	67.3
63	123.7	97.4	146.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.321 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099391.D

Acq: 26 Apr 2019 23:30

Instrument :

BNA_E

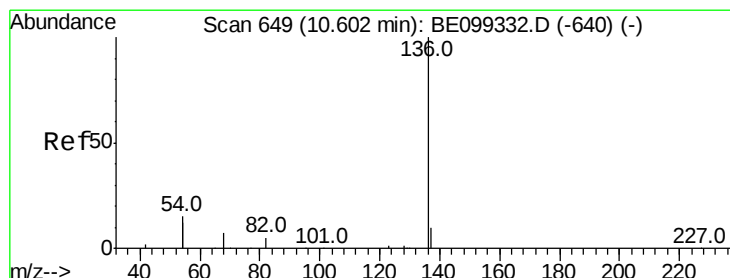
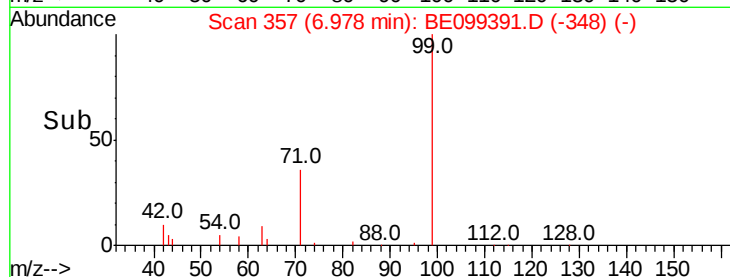
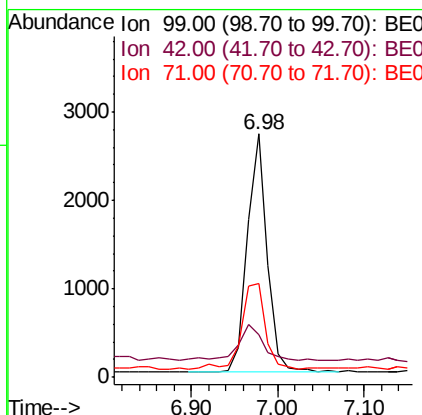
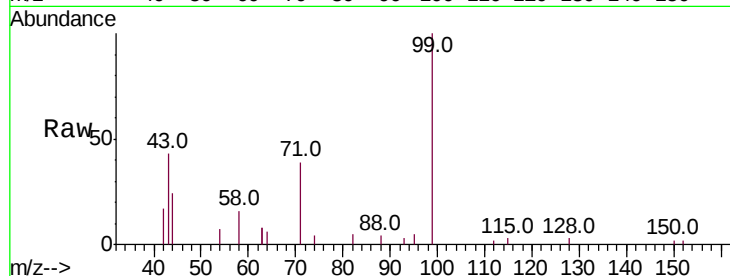
ClientSampleId :

PST-023-B182-042219

Tot Ion:	99	Resp:	4338
Ion	Ratio	Lower	Upper
99	100		
42	18.1	11.7	17.5#
71	43.3	29.6	44.4

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#7

Naphthalene-d8

Concen: 0.400 ng

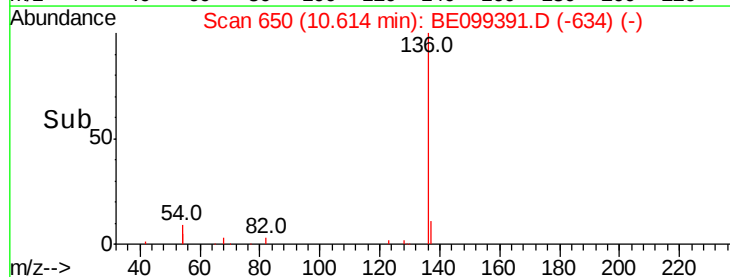
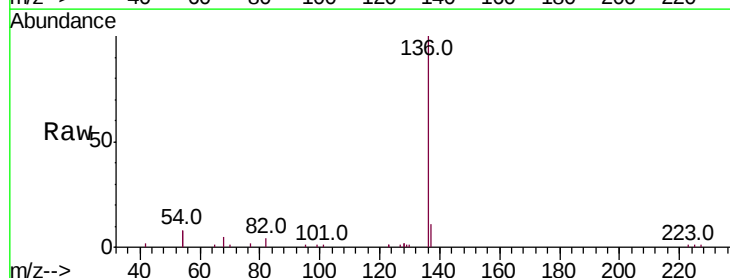
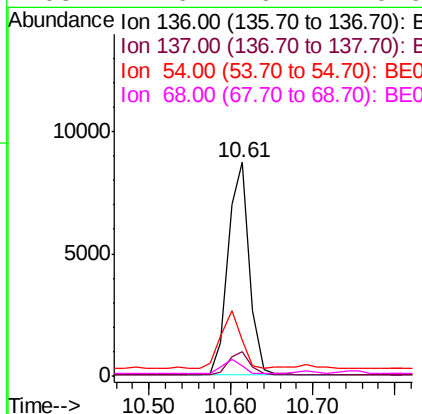
RT: 10.61 min Scan# 650

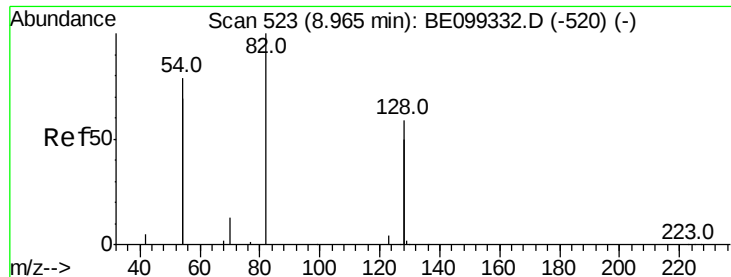
Delta R.T. 0.01 min

Lab File: BE099391.D

Acq: 26 Apr 2019 23:30

Tgt Ion:	136	Resp:	15609
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	16.9	23.8	35.8#
68	4.6	6.4	9.6#





#8

Nitrobenzene-d5

Concen: 0.327 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099391.D

Acq: 26 Apr 2019 23:30

Instrument :

BNA_E

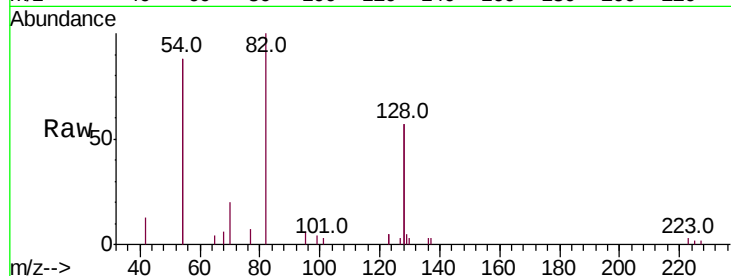
ClientSampleId :

PST-023-B182-042219

Tot Ion:	82	Resp:	3963
Ion	Ratio	Lower	Upper
82	100		
128	113.3	91.7	137.5
54	176.9	122.8	184.2

Manual Integrations
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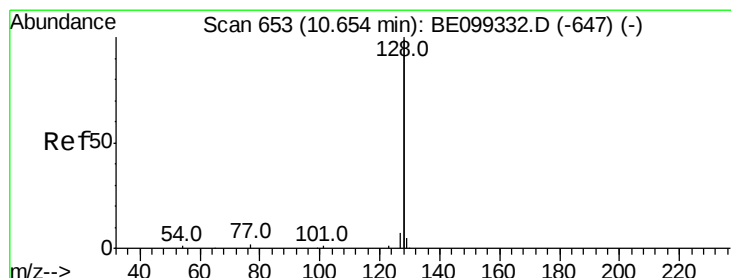
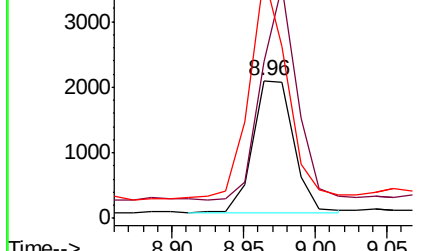
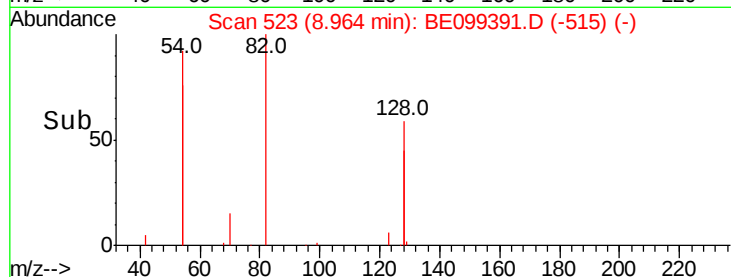


Abundance Ion 82.00 (81.70 to 82.70): BE099332.D (-520) (-)

Ion 128.00 (127.70 to 128.70): BE099332.D (-520) (-)

Ion 54.00 (53.70 to 54.70): BE099332.D (-520) (-)

Time-->



#9

Naphthalene

Concen: 0.023 ng

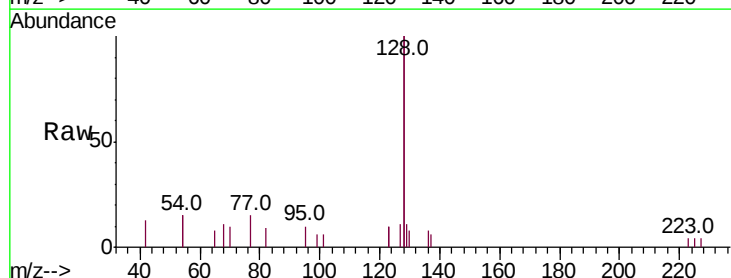
RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099391.D

Acq: 26 Apr 2019 23:30

Tgt Ion:	128	Resp:	3955
Ion	Ratio	Lower	Upper
128	100		
129	5.4	2.3	3.5#
127	5.5	2.8	4.2#

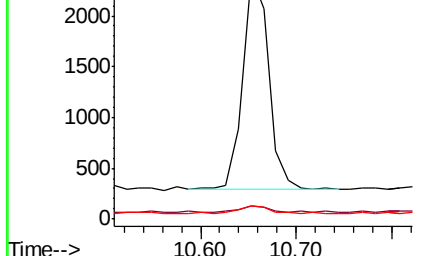
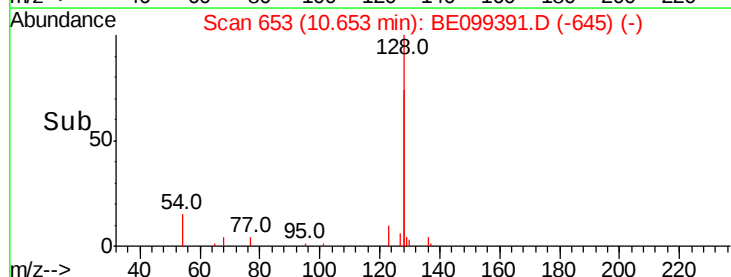


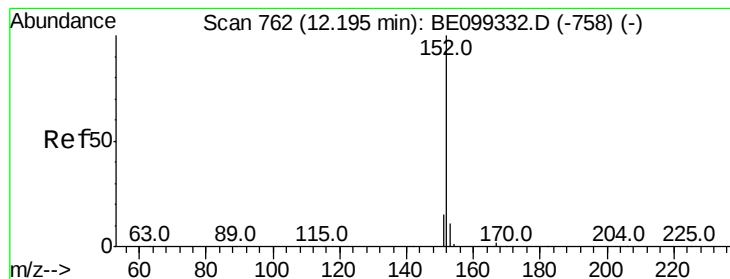
Abundance Ion 128.00 (127.70 to 128.70): BE099332.D (-647) (-)

Ion 129.00 (128.70 to 129.70): BE099332.D (-647) (-)

Ion 127.00 (126.70 to 127.70): BE099332.D (-647) (-)

Time-->





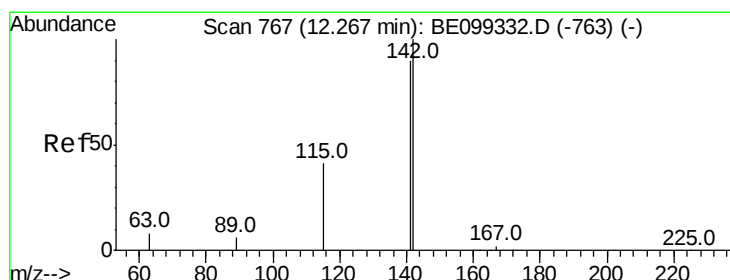
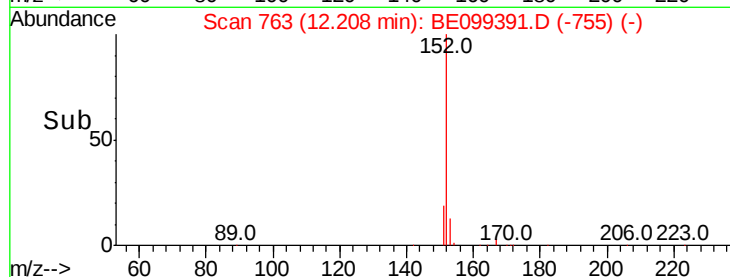
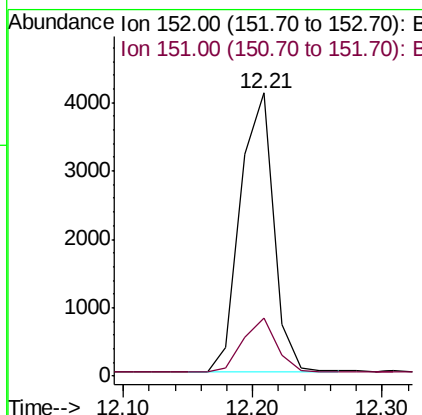
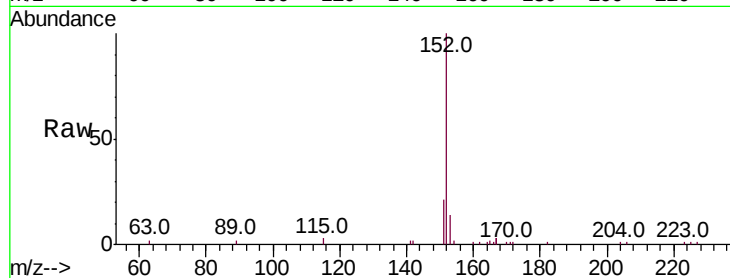
#11
 2-Methylnaphthalene-d10
 Concen: 0.264 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099391.D
 Acq: 26 Apr 2019 23:30

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-B182-042219

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	14.9	22.3

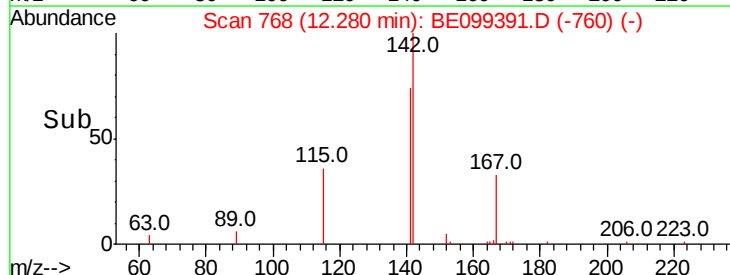
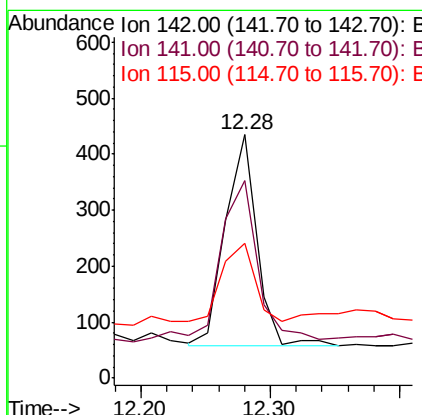
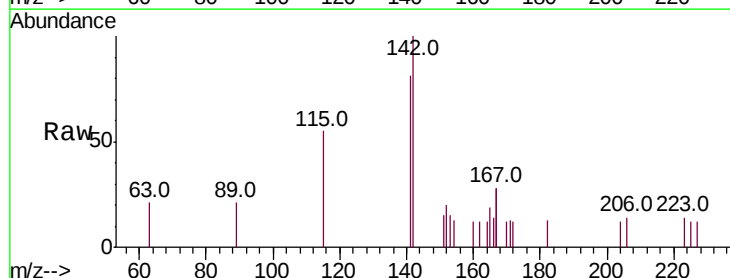
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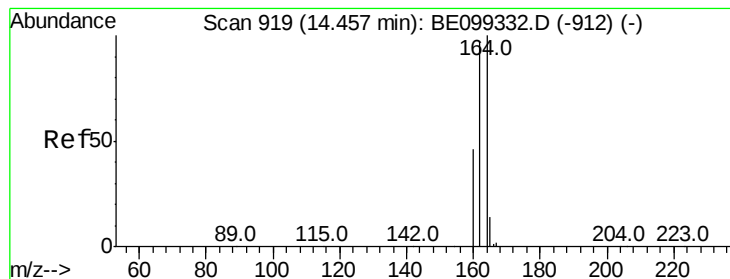
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#12
 2-Methylnaphthalene
 Concen: 0.022 ng
 RT: 12.28 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: BE099391.D
 Acq: 26 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.4	72.0	108.0
115	55.2	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: BE099391.D

Acq: 26 Apr 2019 23:30

Instrument :

BNA_E

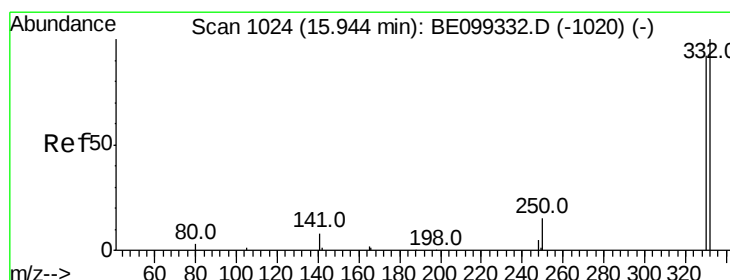
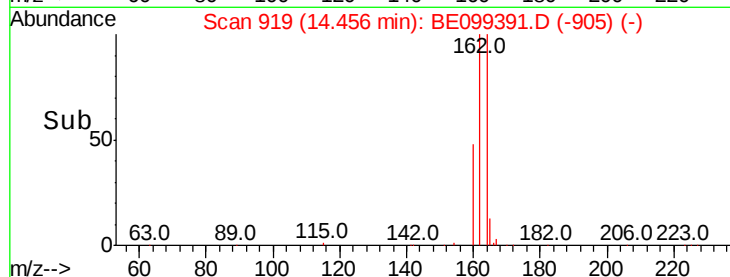
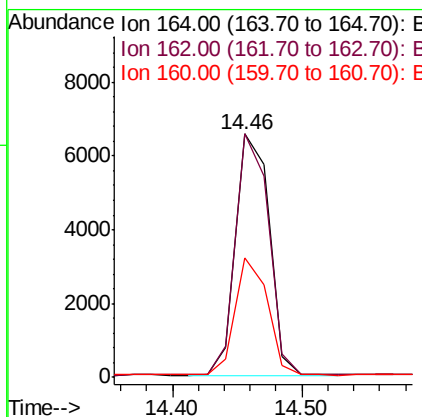
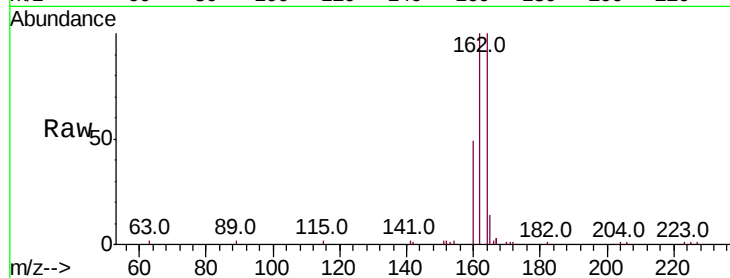
ClientSampleId :

PST-023-B182-042219

Tot Ion:	164	Resp:	11692
Ion Ratio	Lower	Upper	
164	100		
162	100.1	77.8	116.6
160	49.1	37.1	55.7

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#14

2,4,6-Tribromophenol

Concen: 0.506 ng

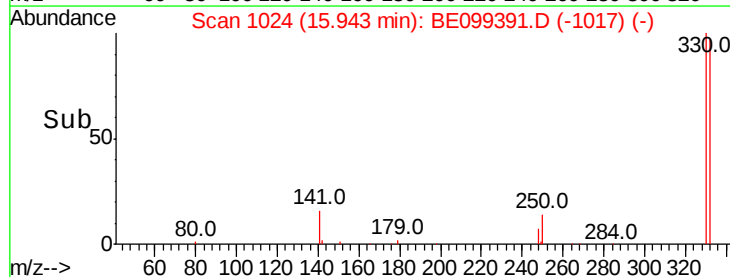
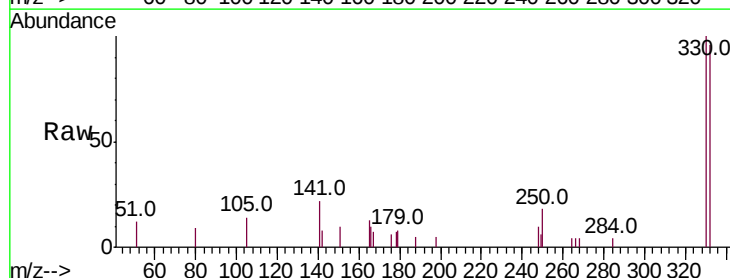
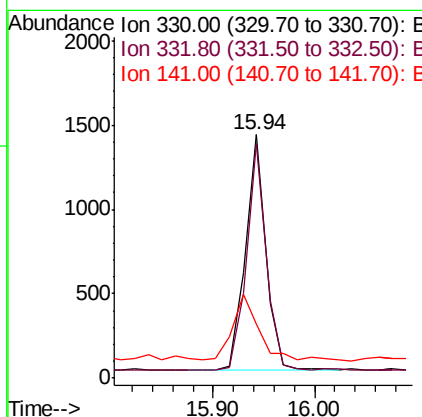
RT: 15.94 min Scan# 1024

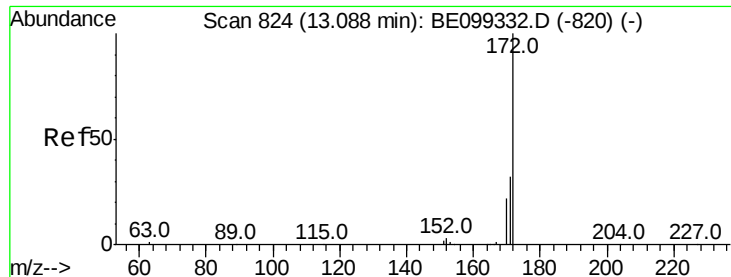
Delta R.T. -0.00 min

Lab File: BE099391.D

Acq: 26 Apr 2019 23:30

Tgt Ion:	330	Resp:	1967
Ion Ratio	Lower	Upper	
330	100		
332	93.7	82.5	123.7
141	36.3	24.9	37.3





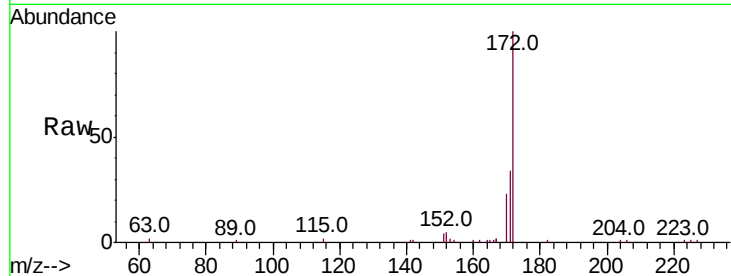
#15
2-Fluorobiphenyl
Concen: 0.232 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099391.D
Acq: 26 Apr 2019 23:30

Instrument :
BNA_E
ClientSampleId :
PST-023-B182-042219

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	26.2	39.2
170	22.6	18.1	27.1

Manual Integrations
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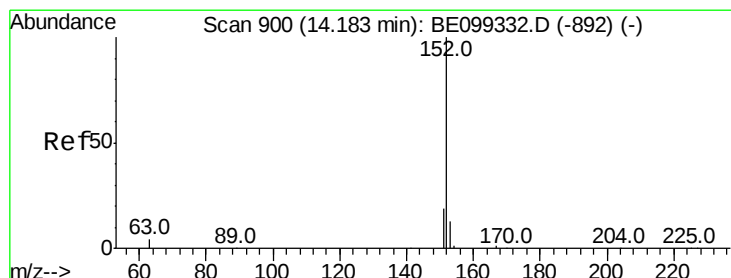
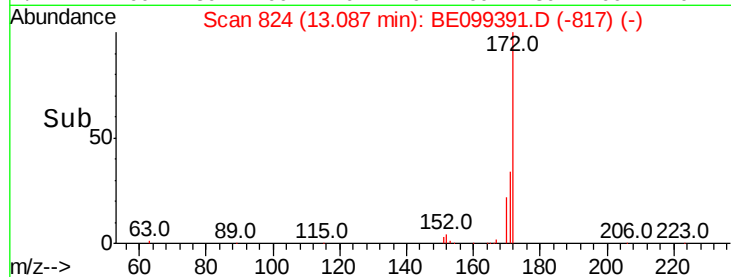
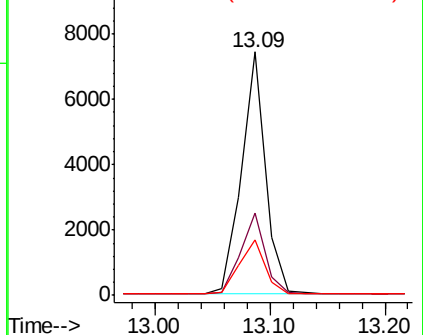


Abundance

Ion 172.00 (171.70 to 172.70): E

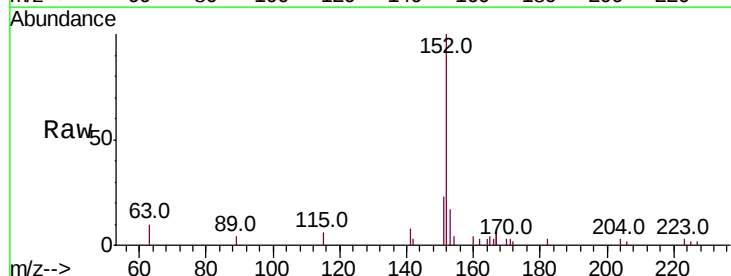
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.088 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099391.D
Acq: 26 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.5	23.3
153	13.6	10.2	15.4

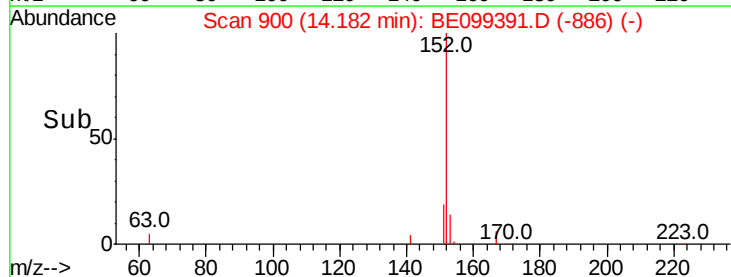
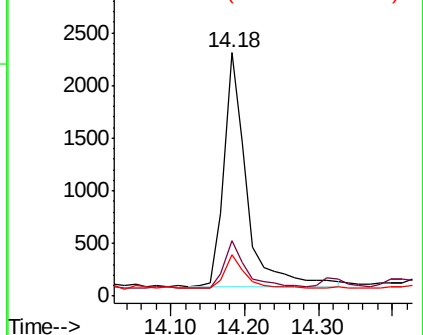


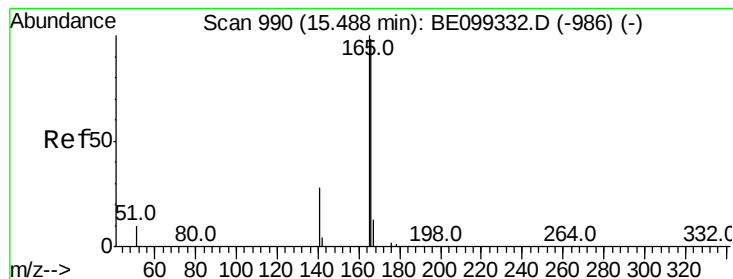
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#18

Fluorene

Concen: 0.026 ng

RT: 15.50 min Scan# 991

Delta R.T. 0.01 min

Lab File: BE099391.D

Acq: 26 Apr 2019 23:30

Instrument :

BNA_E

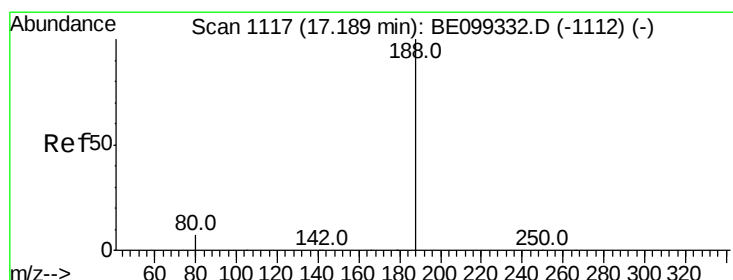
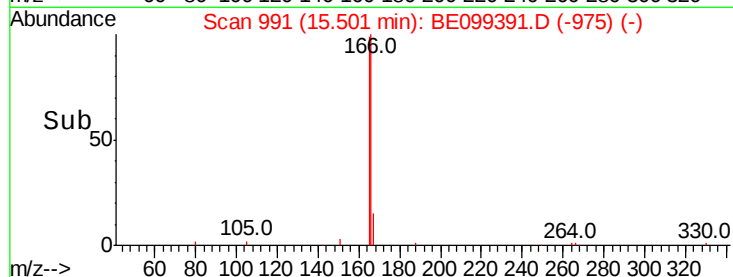
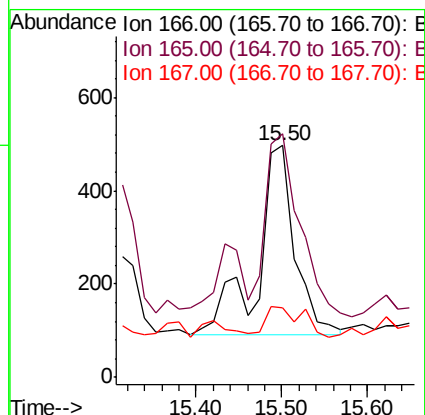
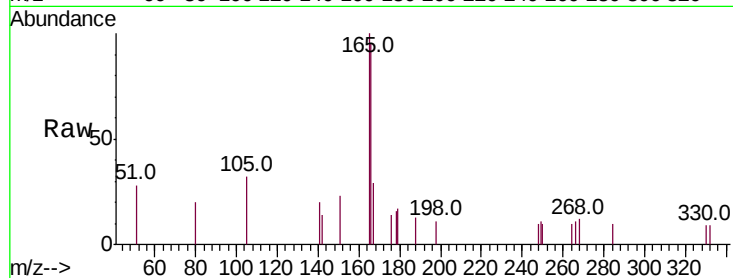
ClientSampleId :

PST-023-B182-042219

Tot Ion:	166	Resp:	1234
Ion Ratio	Lower	Upper	
166	100		
165	87.6	79.7	119.5
167	16.0	11.0	16.4

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#19

Phenanthrene-d10

Concen: 0.400 ng

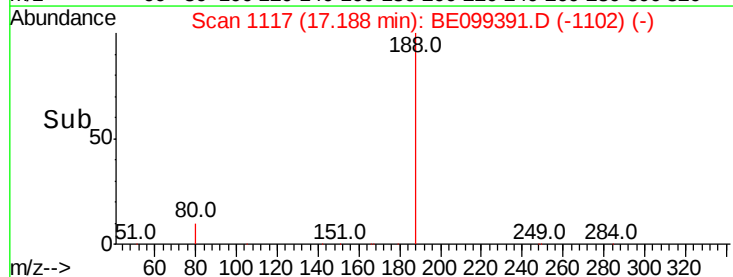
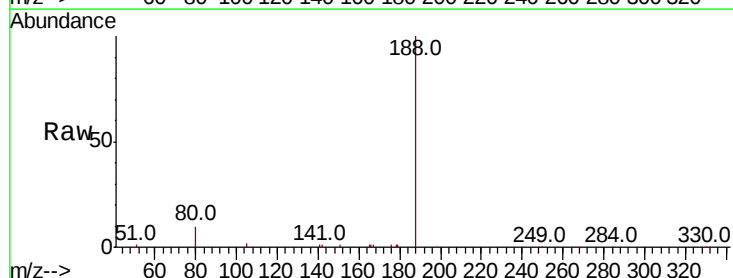
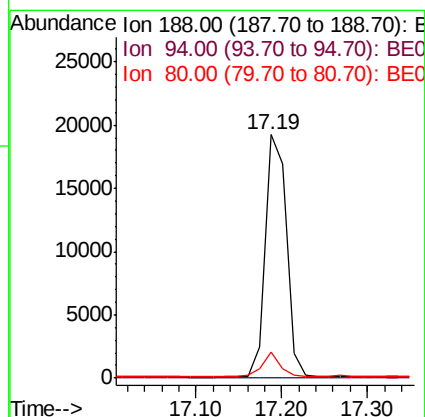
RT: 17.19 min Scan# 1117

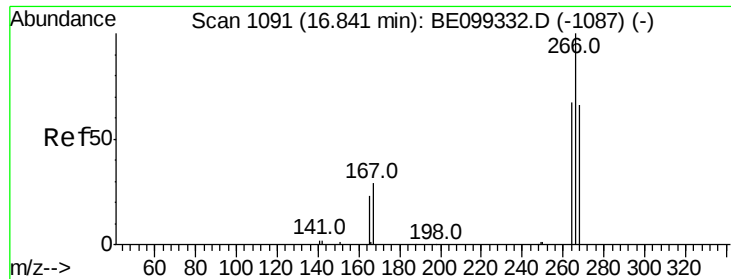
Delta R.T. -0.00 min

Lab File: BE099391.D

Acq: 26 Apr 2019 23:30

Tgt Ion:	188	Resp:	32658
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.5	6.2	9.4#





#22

Pentachlorophenol

Concen: 0.353 ng

RT: 16.84 min Scan# 1091

Delta R.T. -0.00 min

Lab File: BE099391.D

Acq: 26 Apr 2019 23:30

Instrument :

BNA_E

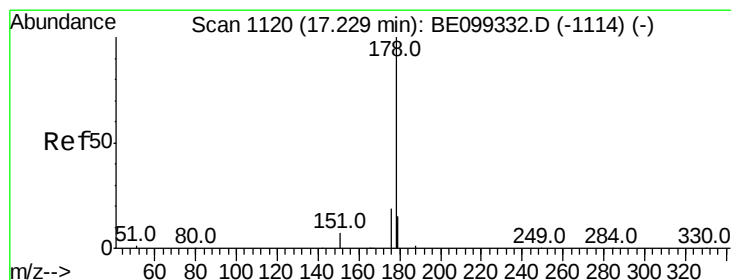
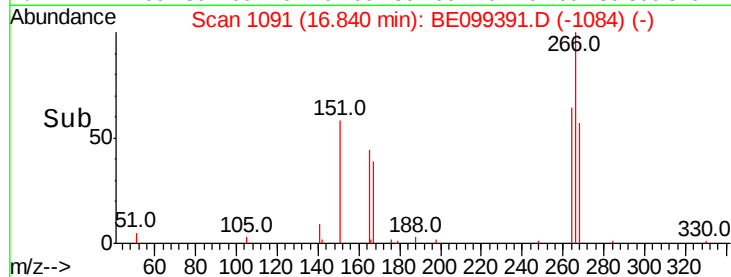
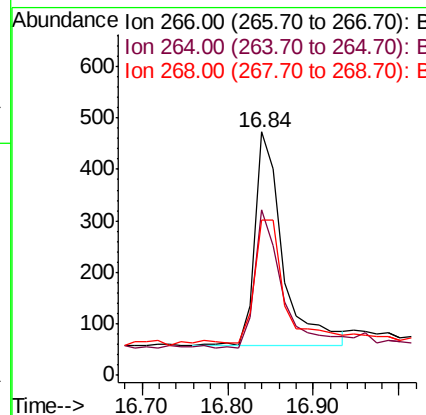
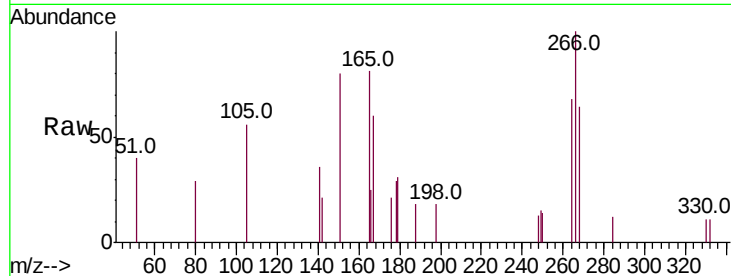
ClientSampleId :

PST-023-B182-042219

Tot Ion:	266	Resp:	934
Ion Ratio	Lower	Upper	
266	100		
264	67.9	54.5	81.7
268	63.8	54.3	81.5

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#23

Phenanthrene

Concen: 0.301 ng

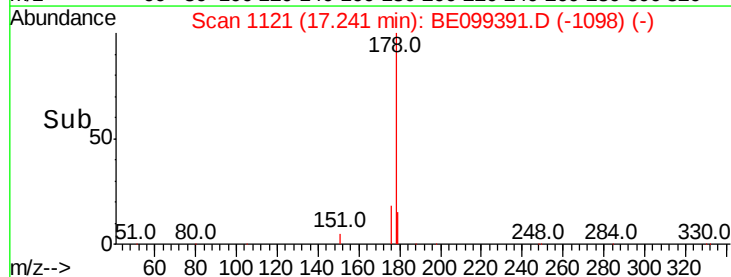
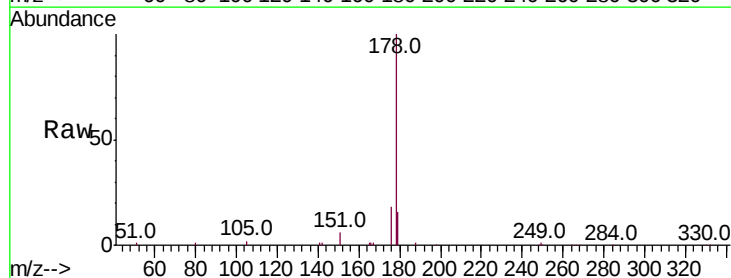
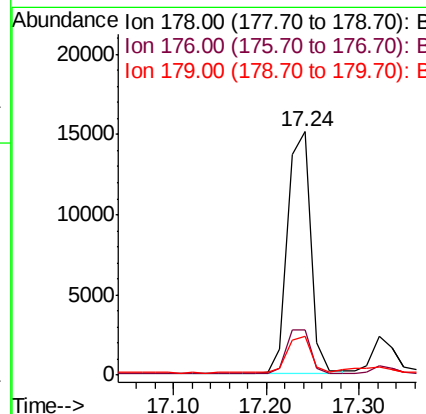
RT: 17.24 min Scan# 1121

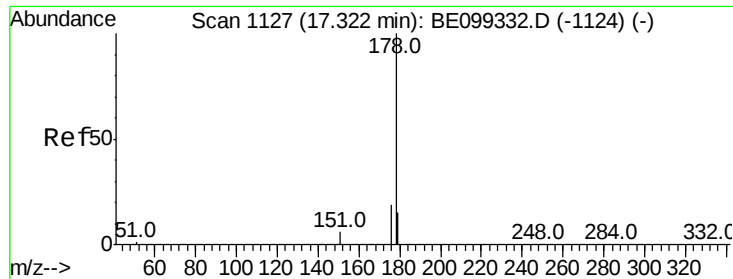
Delta R.T. 0.01 min

Lab File: BE099391.D

Acq: 26 Apr 2019 23:30

Tgt Ion:	178	Resp:	26063
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.3	22.9
179	15.7	12.4	18.6





#24

Anthracene

Concen: 0.050 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE099391.D

Acq: 26 Apr 2019 23:30

Instrument :

BNA_E

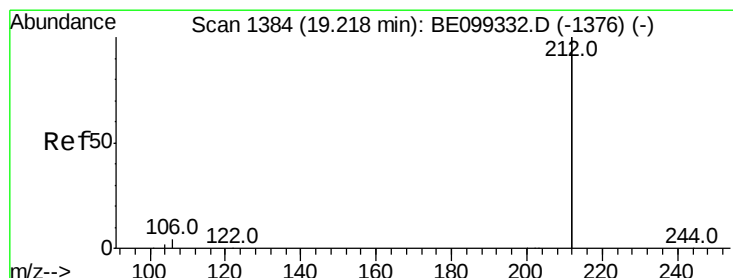
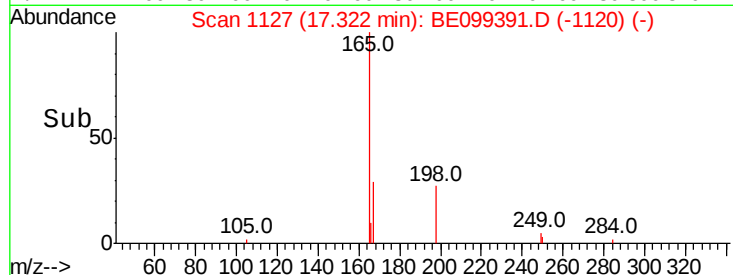
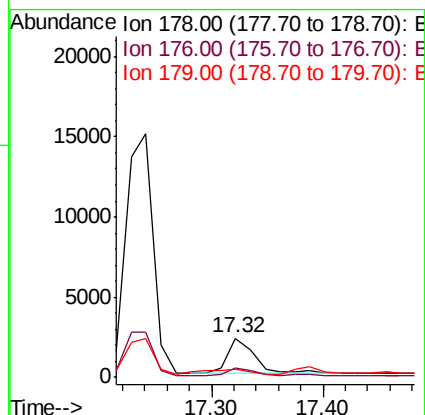
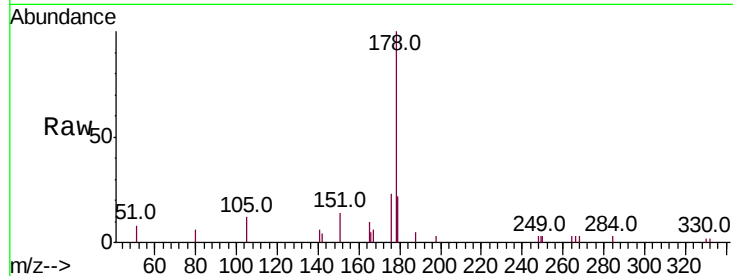
ClientSampleId :

PST-023-B182-042219

Tot Ion:178	Resp:	3823
Ion Ratio	Lower	Upper
178 100		
176 19.1	15.1	22.7
179 20.7	11.9	17.9#

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.228 ng

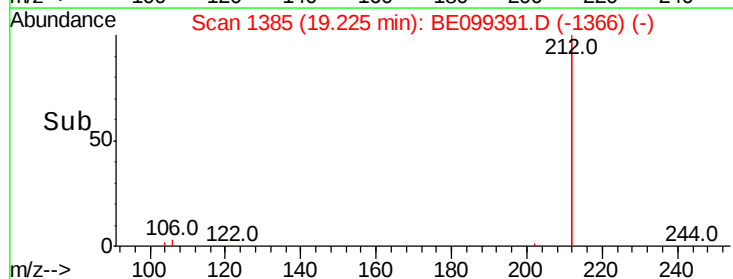
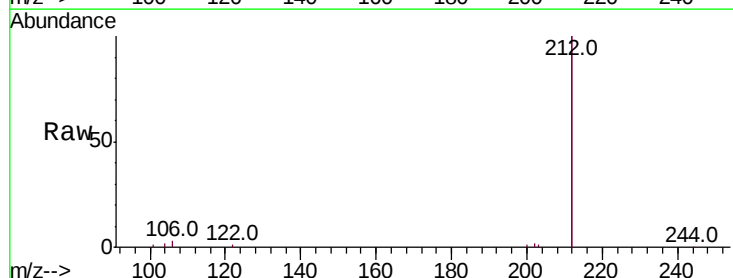
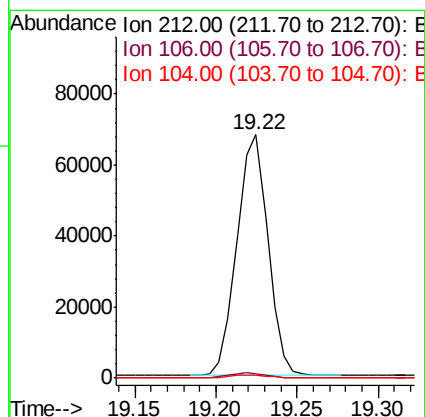
RT: 19.22 min Scan# 1385

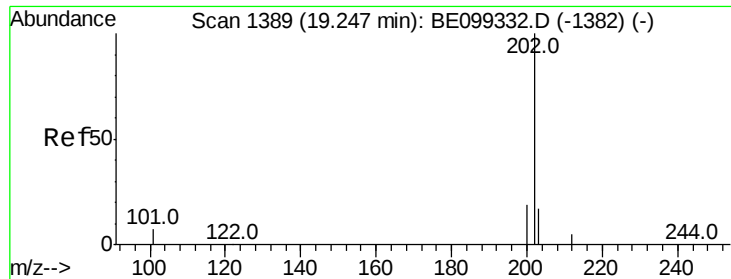
Delta R.T. 0.01 min

Lab File: BE099391.D

Acq: 26 Apr 2019 23:30

Tgt Ion:212	Resp:	89633
Ion Ratio	Lower	Upper
212 100		
106 1.8	1.8	2.6
104 1.2	1.0	1.4





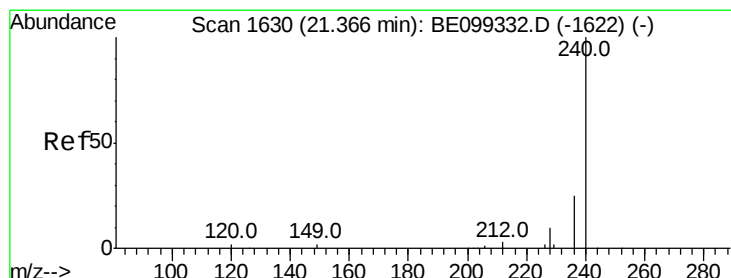
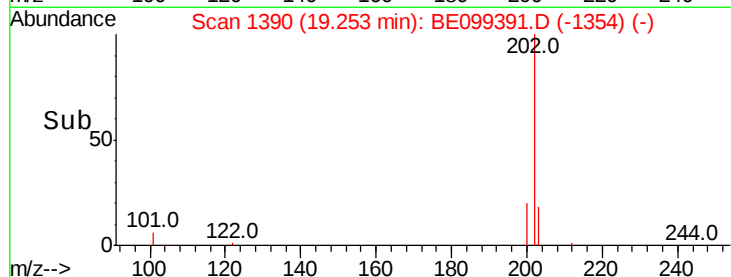
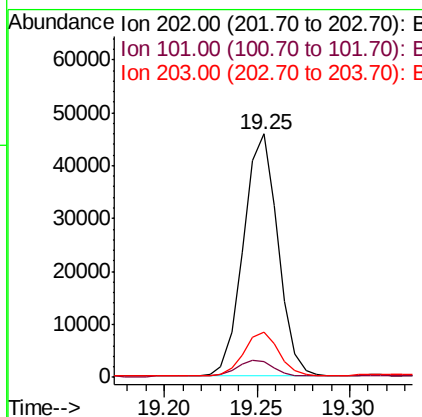
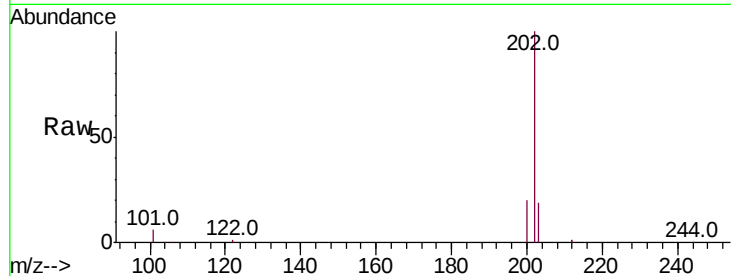
#26
Fluoranthene
 Concen: 0.514 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: BE099391.D
 Acq: 26 Apr 2019 23:30

Instrument :
 BNA_E
 ClientSampleId :
 PST-023-B182-042219

Tot Ion	Ratio	Resp	Lower	Upper
202	100	59491		
101	7.2		6.4	9.6
203	17.9		13.5	20.3

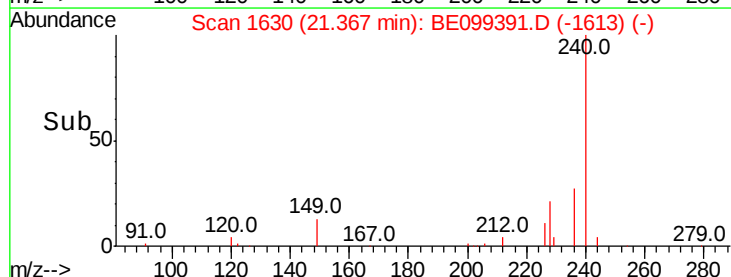
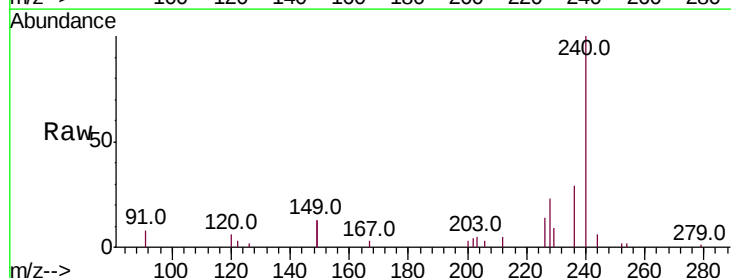
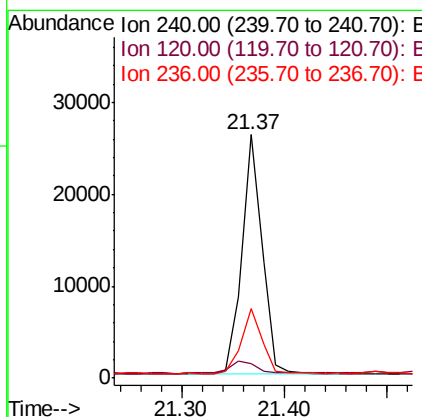
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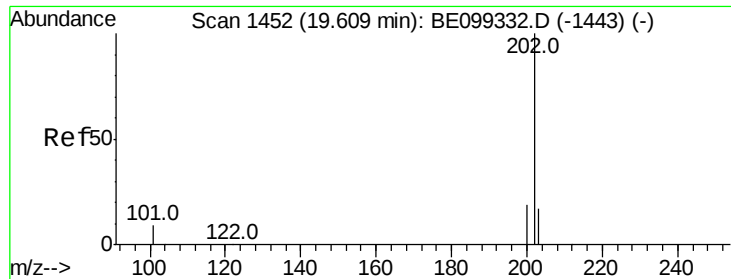
Sohil
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099391.D
 Acq: 26 Apr 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	35523		
120	6.2		2.2	3.2#
236	28.5		20.2	30.4





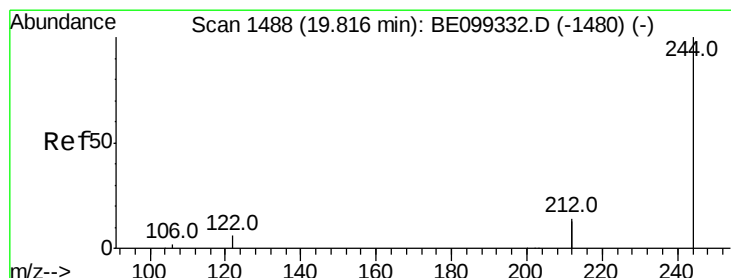
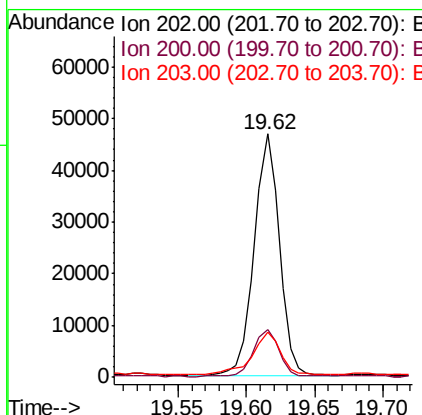
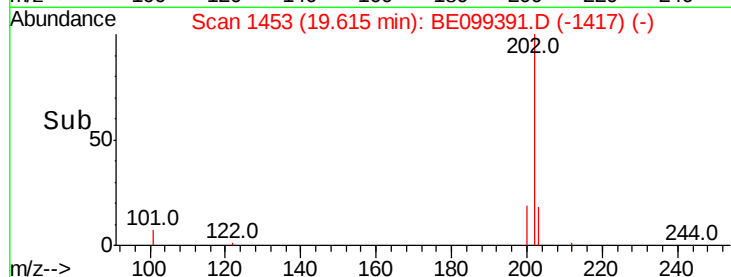
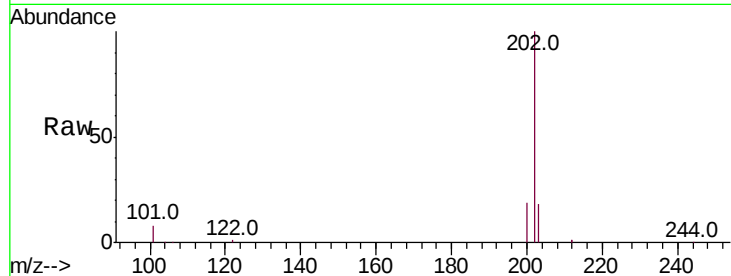
#28
Pvrene
Concen: 0.567 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE099391.D
Acq: 26 Apr 2019 23:30

Instrument :
BNA_E
ClientSampleId :
PST-023-B182-042219

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	20.4	13.7	20.5

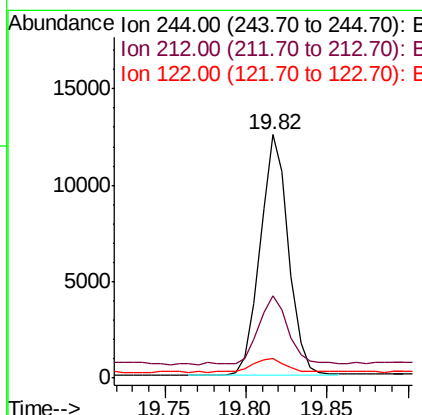
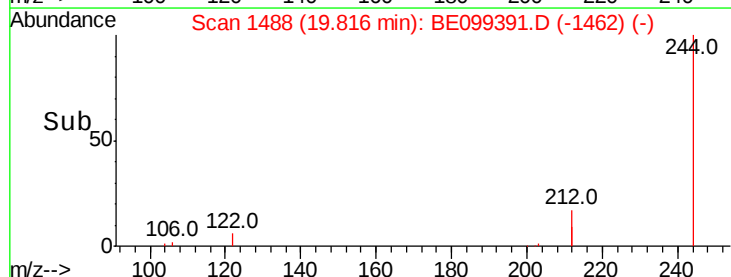
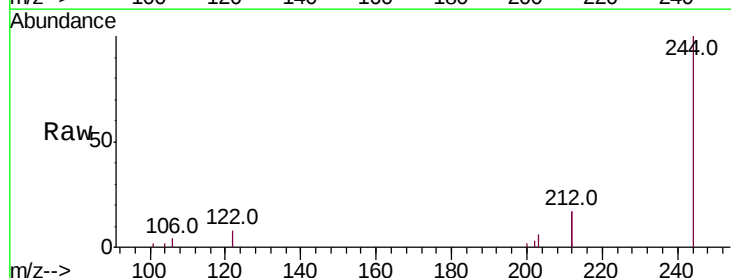
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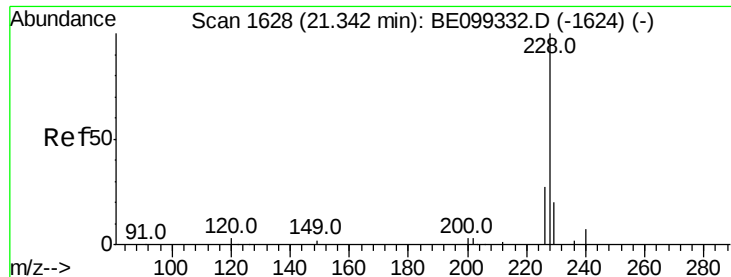
Sohil
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#29
Terphenyl-d14
Concen: 0.216 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099391.D
Acq: 26 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	33.9	22.6	33.8#
122	8.2	4.6	7.0#





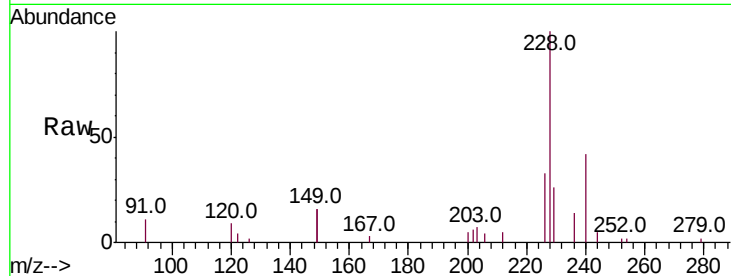
#30
Benzo(a)anthracene
Concen: 0.323 ng
RT: 21.36 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE099391.D
Acq: 26 Apr 2019 23:30

Instrument :
BNA_E
ClientSampled :
PST-023-B182-042219

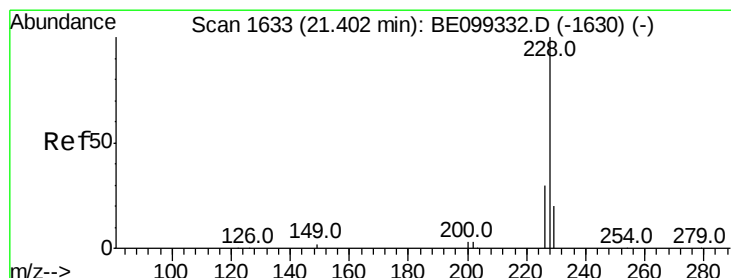
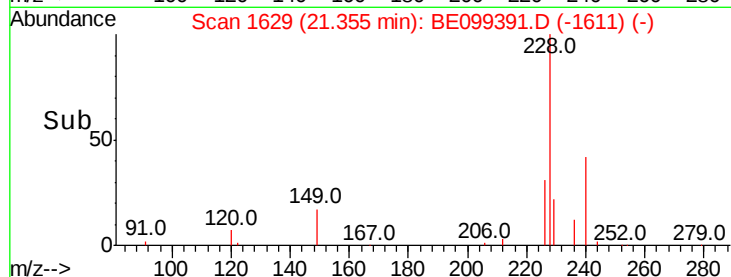
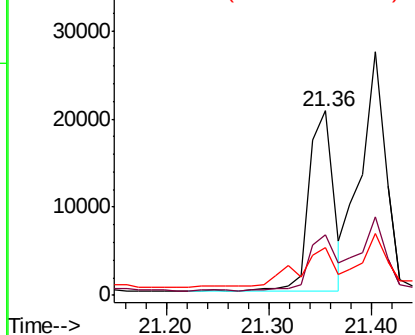
Tot Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.0	33.0
229	26.1	15.8	23.8

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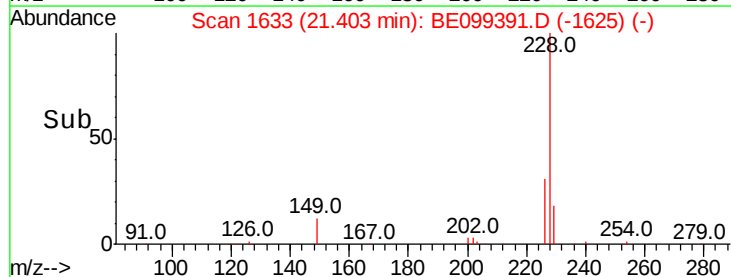
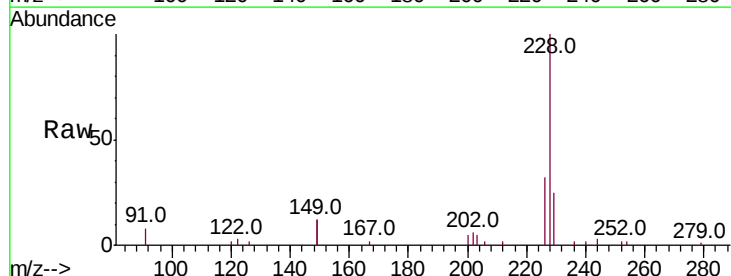
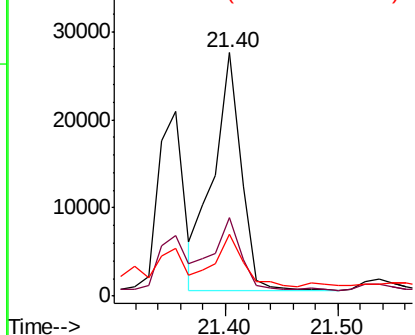
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

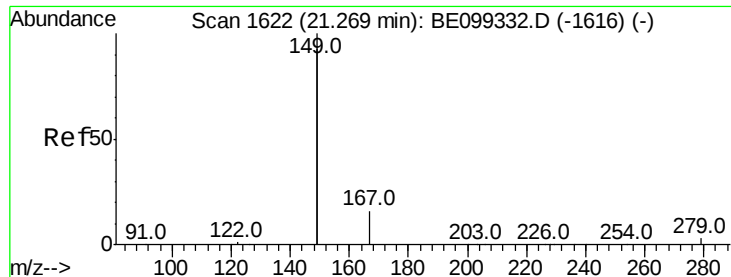


#31
Chrysene
Concen: 0.417 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099391.D
Acq: 26 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	23.4	35.2
229	25.5	16.2	24.2

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.496 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099391.D

Acq: 26 Apr 2019 23:30

Instrument :

BNA_E

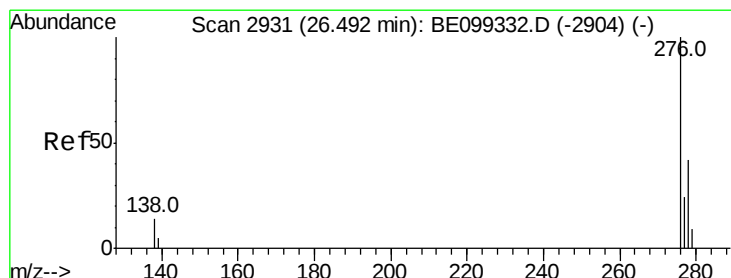
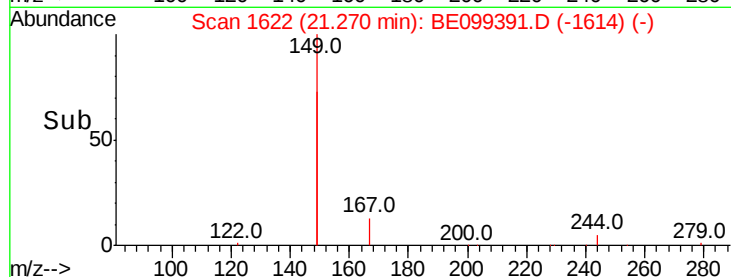
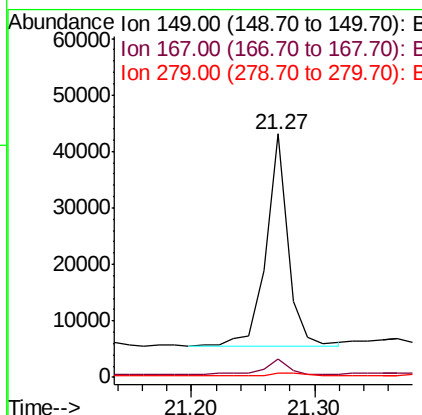
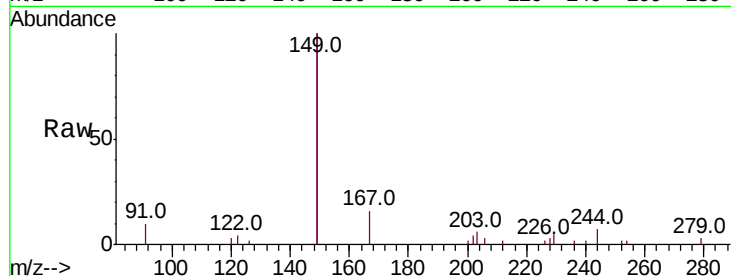
ClientSampleId :

PST-023-B182-042219

Tot Ion:	149	Resp:	47120
Ion Ratio	Lower	Upper	
149	100		
167	7.1	6.0	9.0
279	1.6	1.1	1.7

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.241 ng

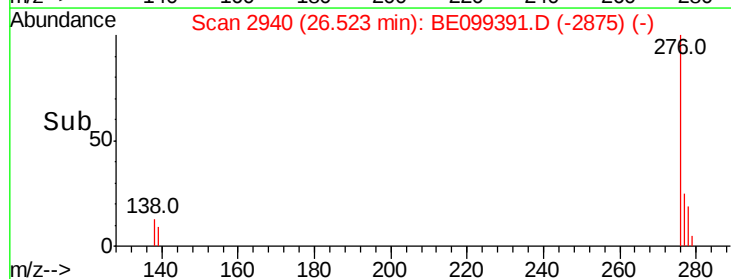
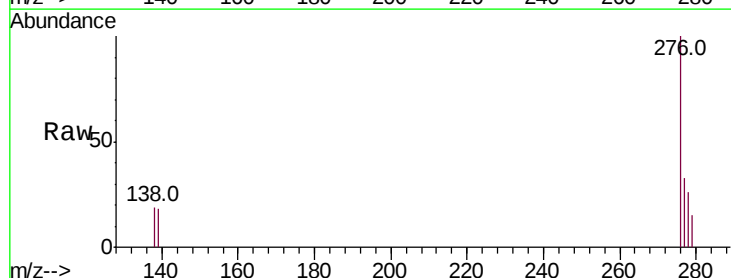
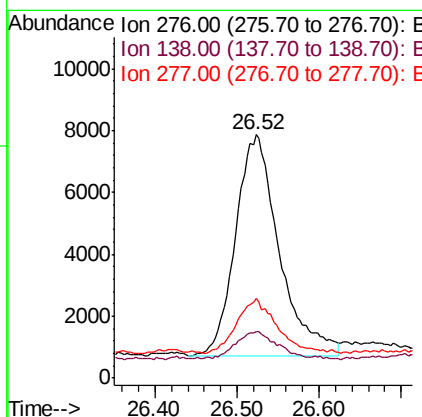
RT: 26.52 min Scan# 2940

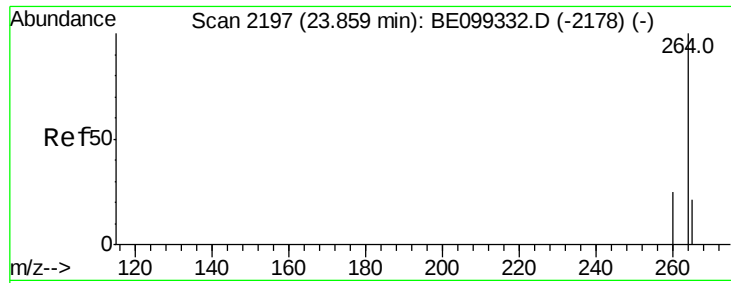
Delta R.T. 0.03 min

Lab File: BE099391.D

Acq: 26 Apr 2019 23:30

Tgt Ion:	276	Resp:	26460
Ion Ratio	Lower	Upper	
276	100		
138	11.9	12.7	19.1#
277	23.4	19.6	29.4





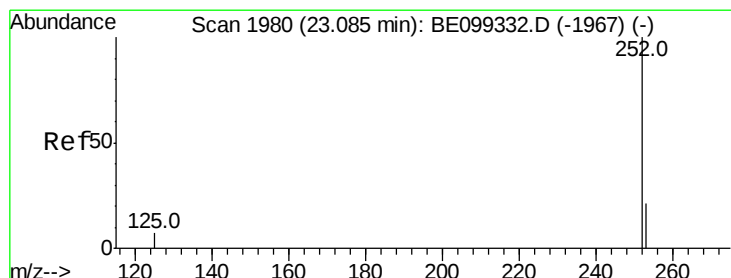
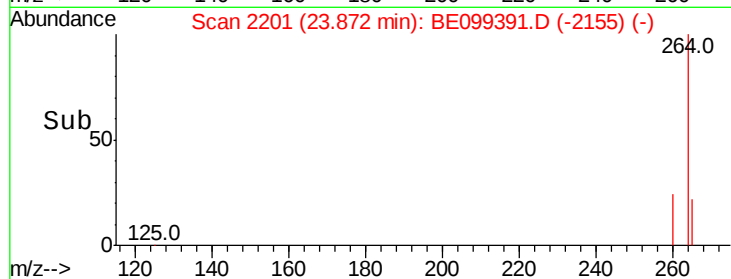
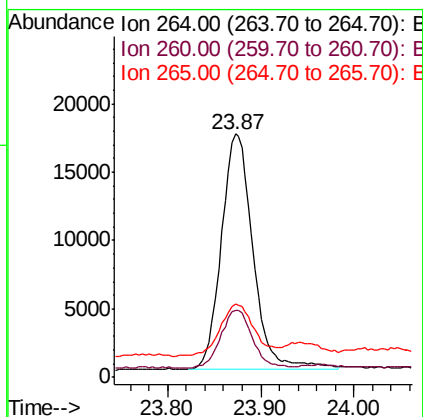
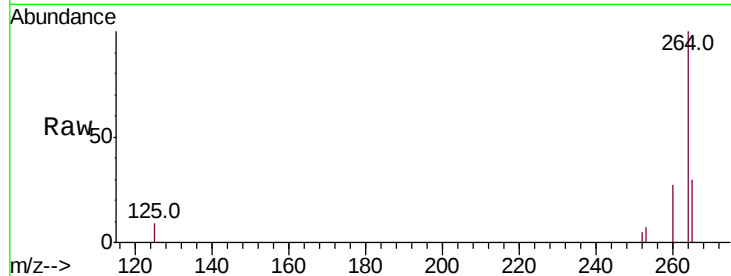
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BE099391.D
Acq: 26 Apr 2019 23:30

Instrument :
BNA_E
ClientSampleId :
PST-023-B182-042219

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.4	20.1	30.1
265	30.3	19.9	29.9

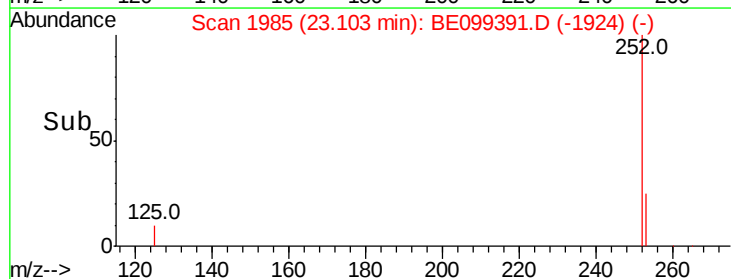
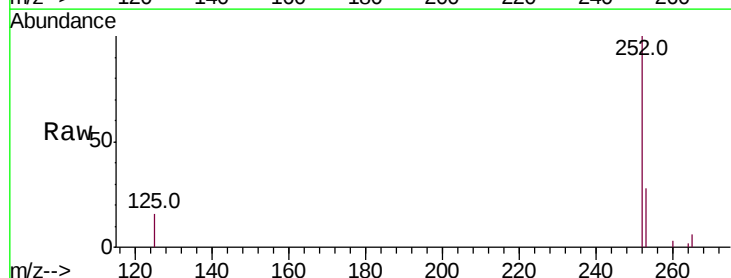
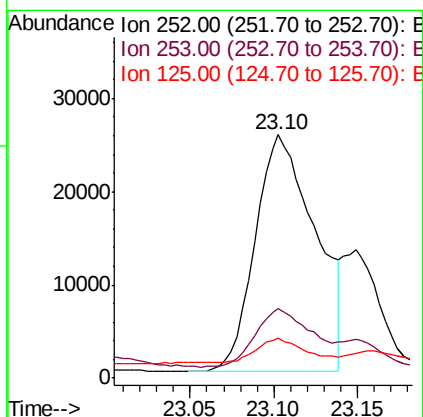
Manual Integrations
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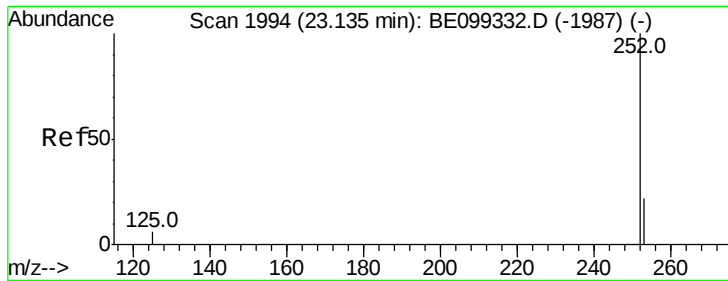
Sohil
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#35
Benzo(b)fluoranthene
Concen: 0.503 ng
RT: 23.10 min Scan# 1985
Delta R.T. 0.02 min
Lab File: BE099391.D
Acq: 26 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.5	17.3	25.9
125	16.3	5.8	8.6





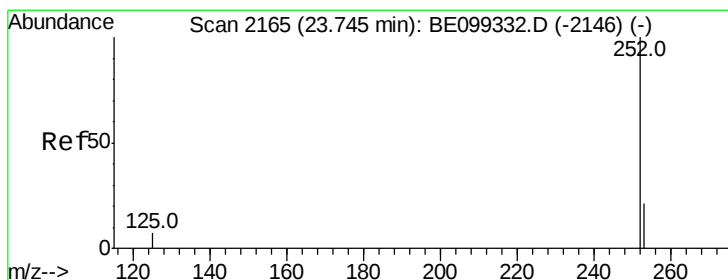
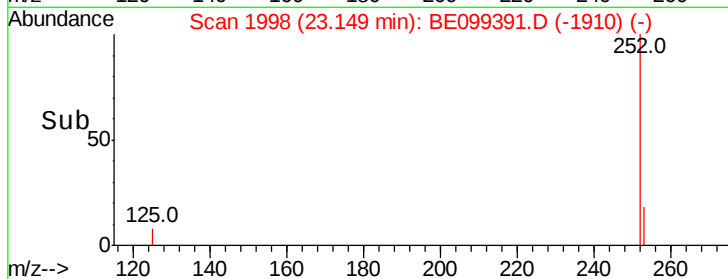
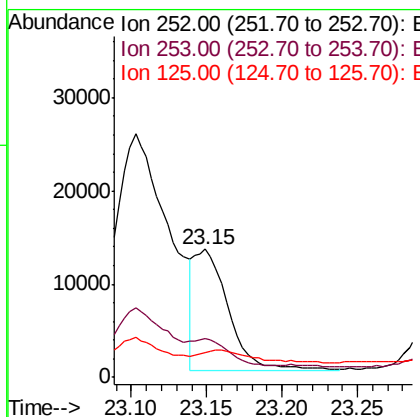
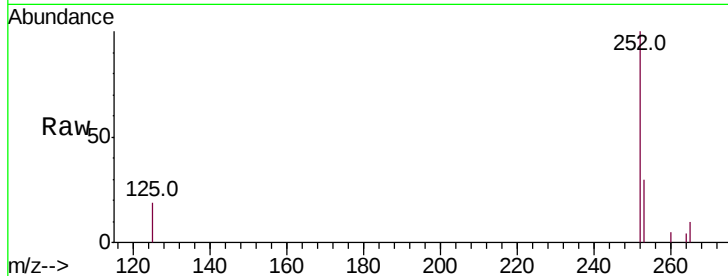
#36
Benzo(k)fluoranthene
Concen: 0.167 ng m
RT: 23.15 min Scan# 1998
Delta R.T. 0.01 min
Lab File: BE099391.D
Acq: 26 Apr 2019 23:30

Instrument :
BNA_E
ClientSampleId :
PST-023-B182-042219

Tot Ion:252 Resp: 21052
Ion Ratio Lower Upper
252 100
253 30.4 18.4 27.6#
125 19.1 5.4 8.0#

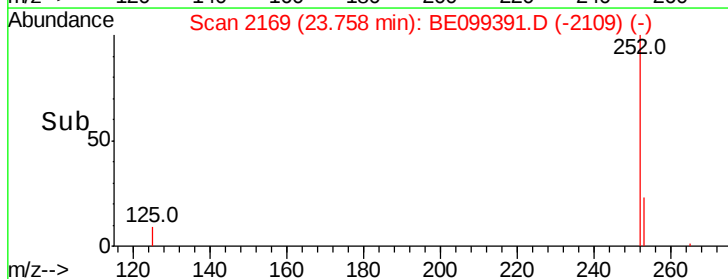
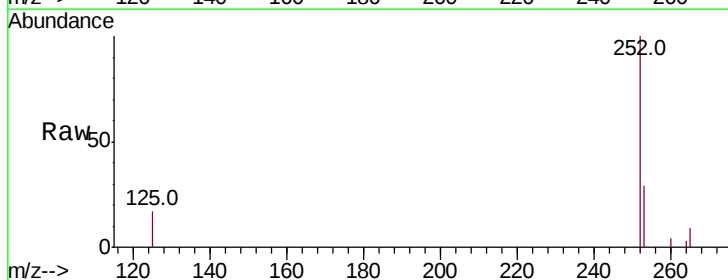
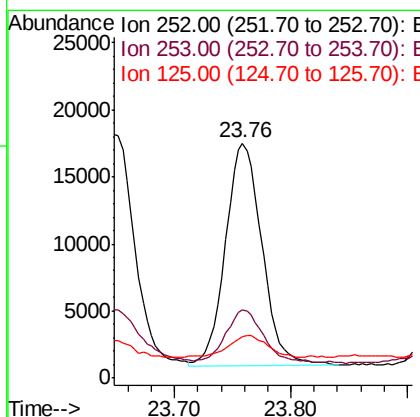
Manual Integrations
APPROVED

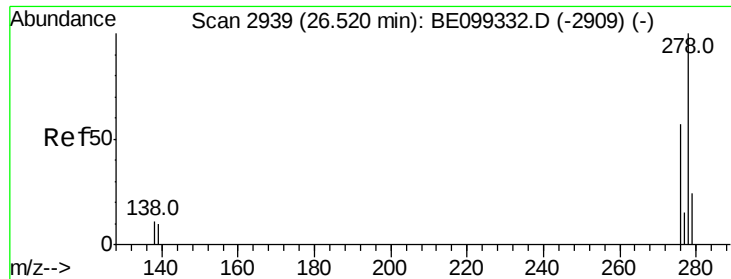
Sohil
4/29/2019 1:31:51 PM



#37
Benzo(a)pyrene
Concen: 0.320 ng
RT: 23.76 min Scan# 2169
Delta R.T. 0.01 min
Lab File: BE099391.D
Acq: 26 Apr 2019 23:30

Tgt Ion:252 Resp: 36188
Ion Ratio Lower Upper
252 100
253 29.0 17.6 26.4#
125 17.5 6.5 9.7#





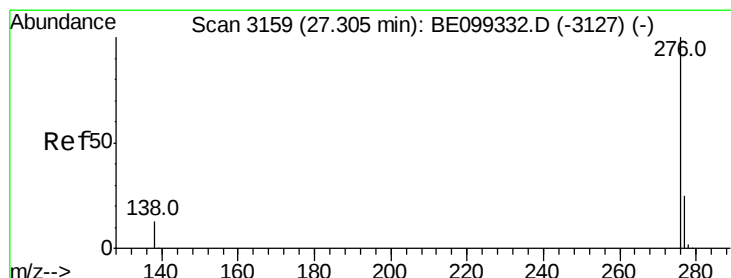
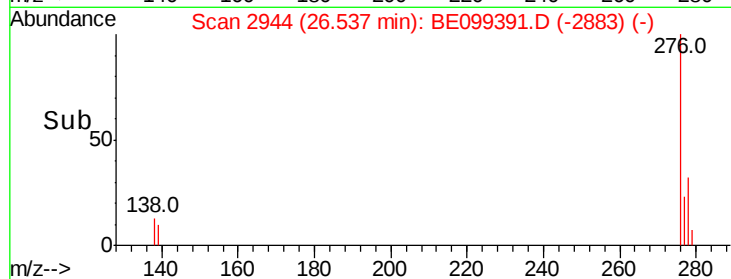
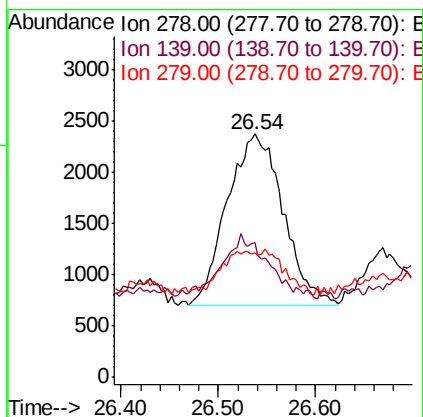
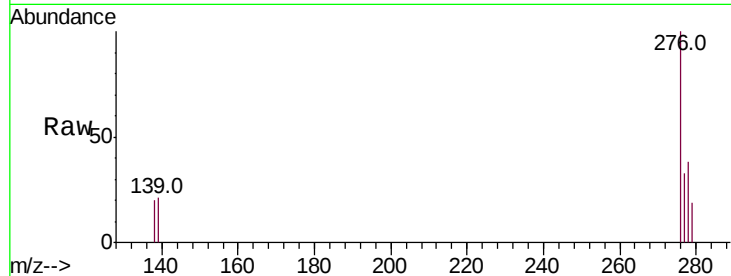
#38
Dibenzo(a,h)anthracene
Concen: 0.058 ng
RT: 26.54 min Scan# 2944
Delta R.T. 0.02 min
Lab File: BE099391.D
Acq: 26 Apr 2019 23:30

Instrument :
BNA_E
ClientSampleId :
PST-023-B182-042219

Tot Ion:278 Resp: 6726
Ion Ratio Lower Upper
278 100
139 55.5 8.5 12.7#
279 50.9 19.8 29.8#

Manual Integrations
APPROVED

Sohil
4/29/2019 1:31:51 PM



#39
Benzo(g,h,i)perylene
Concen: 0.224 ng
RT: 27.35 min Scan# 3171
Delta R.T. 0.04 min
Lab File: BE099391.D
Acq: 26 Apr 2019 23:30

Tgt Ion:276 Resp: 26272
Ion Ratio Lower Upper
276 100
277 31.3 20.0 30.0#
138 18.0 11.1 16.7#

