

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050619\
 Data File : BE099552.D
 Acq On : 6 May 2019 14:50
 Operator : JU/SJ
 Sample : K2588-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B170-042319

Manual Integrations
 APPROVED

mohammad
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Quant Time: May 07 12:43:03 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue May 07 08:07:29 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1933	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	6984	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	4938	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	14922	0.40	ng	0.00
27) Chrysene-d12	21.43	240	20762	0.40	ng	-0.01
34) Perylene-d12	23.98	264	24473	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	1478	0.28	ng	0.00
5) Phenol-d6	6.99	99	2007	0.28	ng	0.00
8) Nitrobenzene-d5	8.99	82	1646	0.25	ng	0.01
11) 2-Methylnaphthalene-d10	12.22	152	3114	0.25	ng	-0.01
14) 2,4,6-Tribromophenol	15.98	330	1330	0.43	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	4958	0.26	ng	0.00
25) Fluoranthene-d10	19.28	212	69580	0.35	ng	0.00
29) Terphenyl-d14	19.87	244	15998	0.42	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.23	152	1217	0.050	ng	# 93
18) Fluorene	15.54	166	420	0.021	ng	# 93
23) Phenanthrene	17.28	178	13025	0.338	ng	99
24) Anthracene	17.38	178	2179	0.059	ng	# 94
26) Fluoranthene	19.31	202	37585	0.652	ng	100
28) Pyrene	19.67	202	36266	0.670	ng	# 96
30) Benzo(a)anthracene	21.41	228	41827	0.632	ng	97
31) Chrysene	21.46	228	43101	0.666	ng	96
32) Bis(2-ethylhexyl)phthalate	21.33	149	9082	0.026	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.68	276	40168	0.525	ng	# 96
35) Benzo(b)fluoranthene	23.20	252	68568	0.972	ng	98
36) Benzo(k)fluoranthene	23.25	252	29394m	0.432	ng	
37) Benzo(a)pyrene	23.87	252	49601	0.743	ng	98
38) Dibenzo(a,h)anthracene	26.71	278	10792	0.158	ng	# 85
39) Benzo(g,h,i)perylene	27.53	276	39107	0.572	ng	98

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

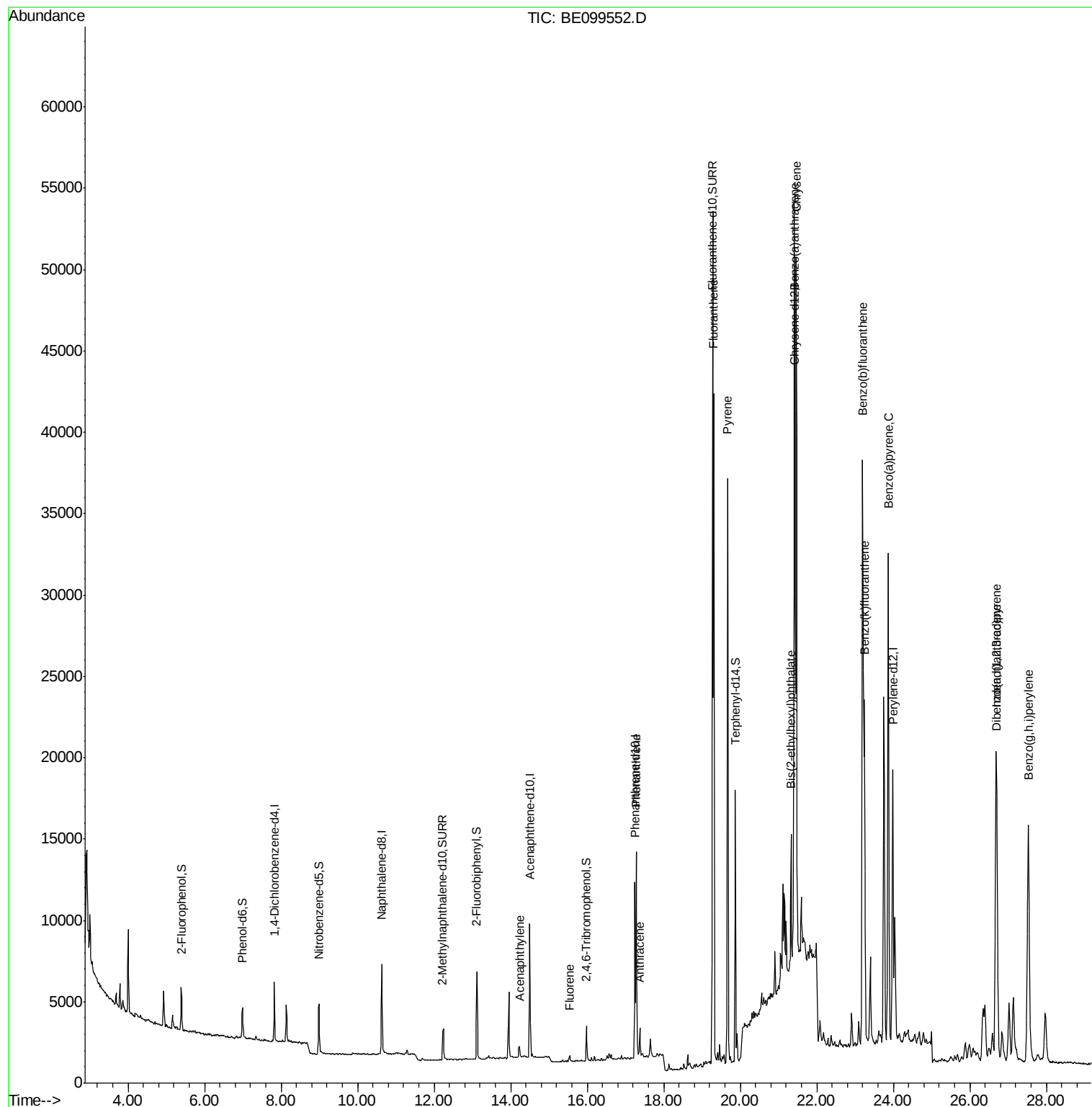
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050619\
Data File : BE099552.D
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Sample : K2588-02
Misc :
ALS Vial : 6 Sample Multiplier: 1

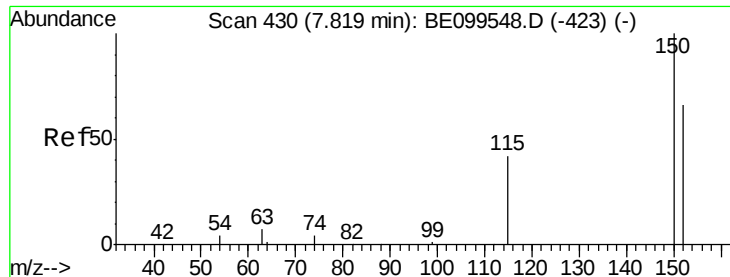
Instrument :
BNA_E
ClientSampleId :
PST-004-B170-042319

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Quant Time: May 07 12:43:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
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#1

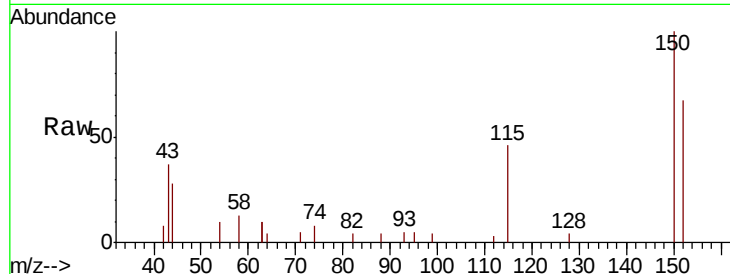
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099552.D
Acq: 6 May 2019 14:50

Instrument :
BNA_E
ClientSampleId :
PST-004-B170-042319

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.3	104.8	157.2
115	68.5	46.6	69.8

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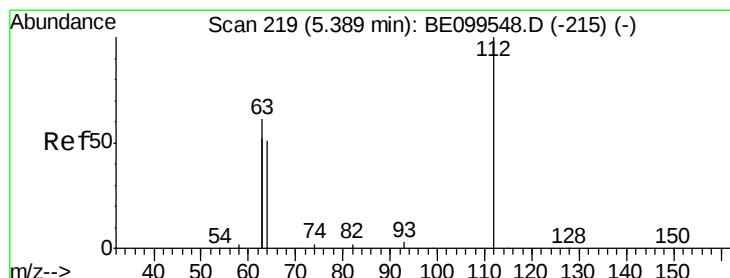
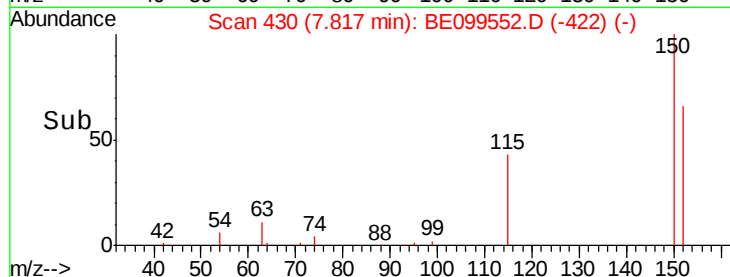
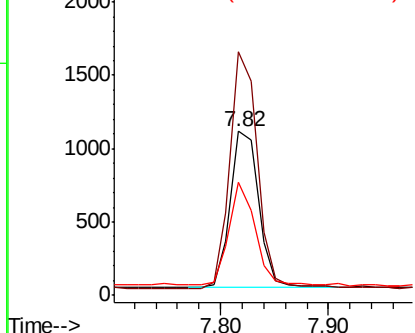


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

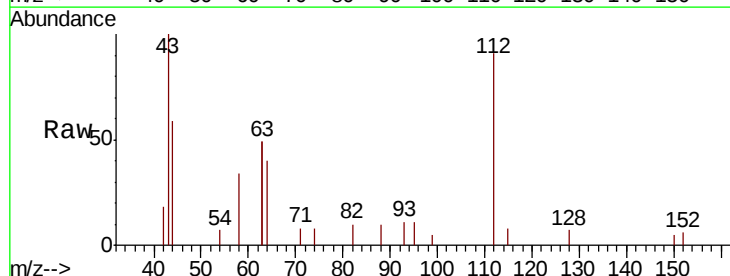
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.277 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE099552.D
Acq: 6 May 2019 14:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.4	71.0
63	134.7	104.3	156.5

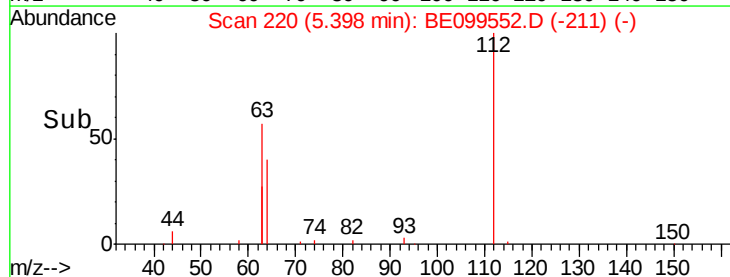
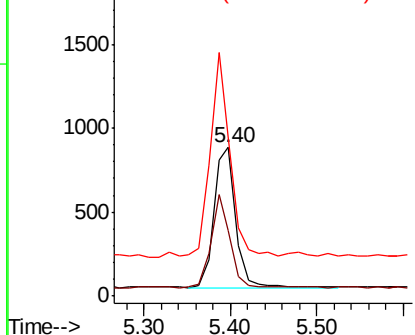


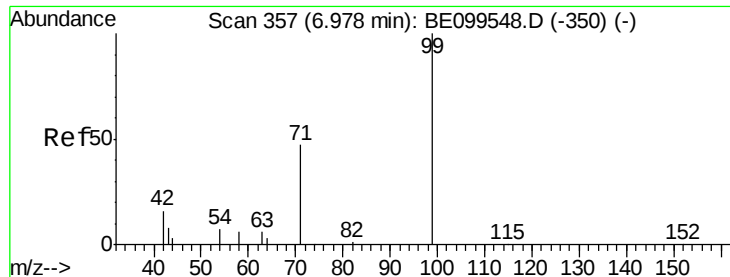
Abundance

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: 0.282 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.01 min

Lab File: BE099552.D

Acq: 6 May 2019 14:50

Instrument :

BNA_E

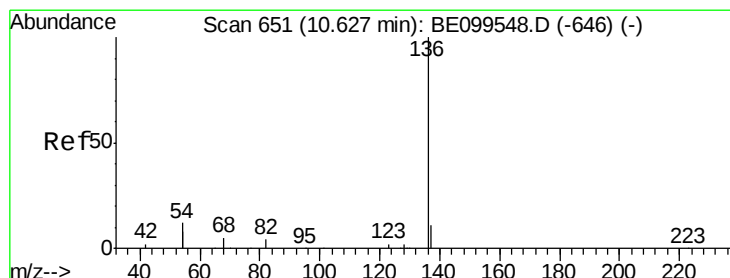
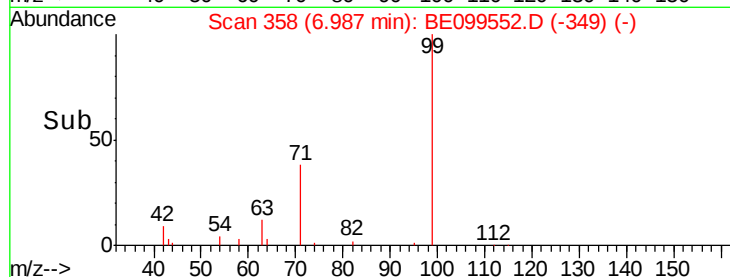
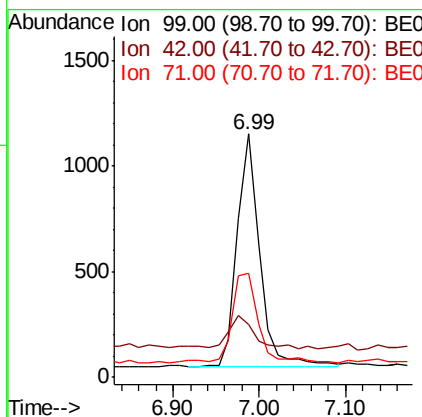
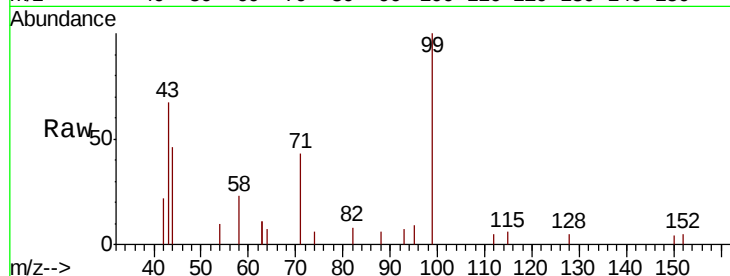
ClientSampleId :

PST-004-B170-042319

Tot Ion:	99	Resp:	2007
Ion	Ratio	Lower	Upper
99	100		
42	16.7	14.9	22.3
71	44.9	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

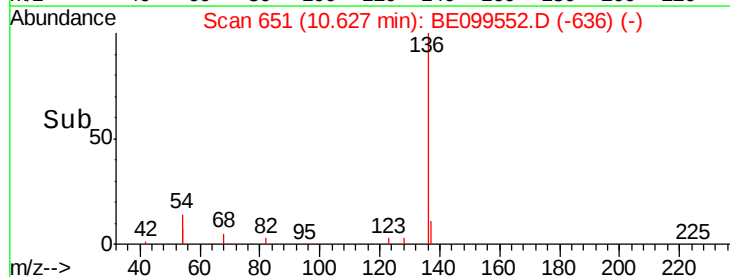
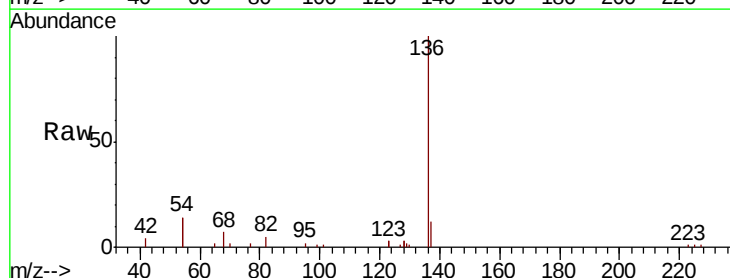
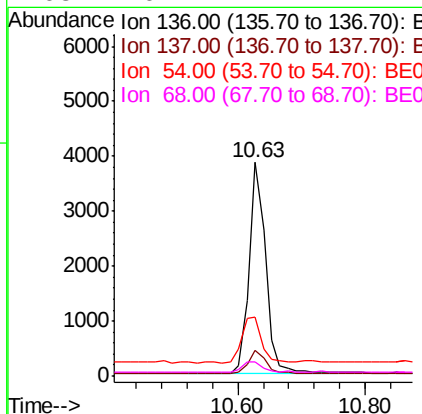
RT: 10.63 min Scan# 651

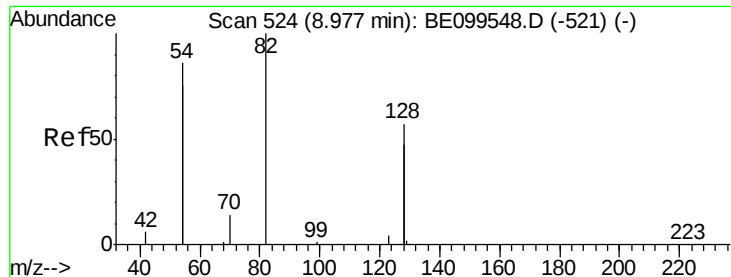
Delta R.T. 0.00 min

Lab File: BE099552.D

Acq: 6 May 2019 14:50

Tgt Ion:	136	Resp:	6984
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.8	14.8
54	27.7	18.5	27.7
68	6.7	4.7	7.1





#8

Nitrobenzene-d5

Concen: 0.251 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.01 min

Lab File: BE099552.D

Acq: 6 May 2019 14:50

Instrument :

BNA_E

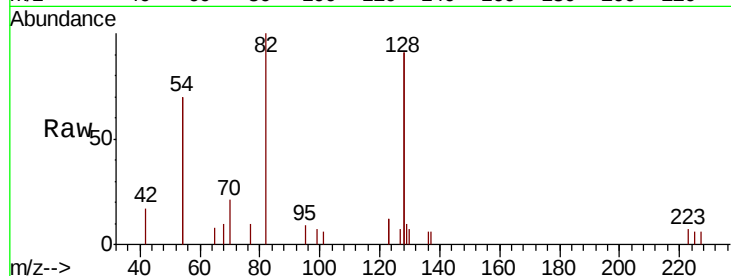
ClientSampleId :

PST-004-B170-042319

Tot Ion	Ratio	Lower	Upper
82	100		
128	181.9	107.0	160.4#
54	140.7	113.1	169.7

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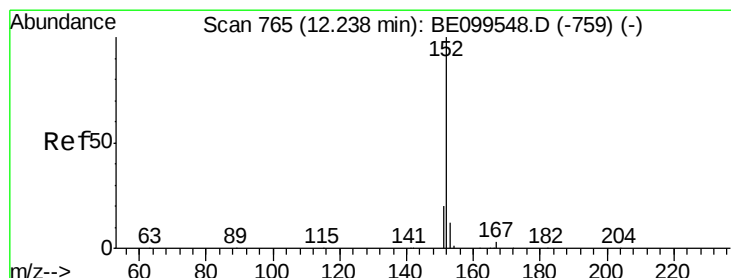
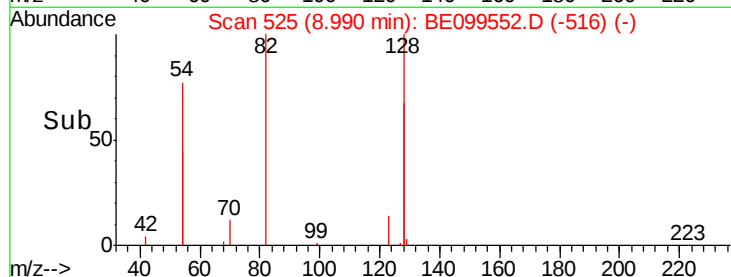
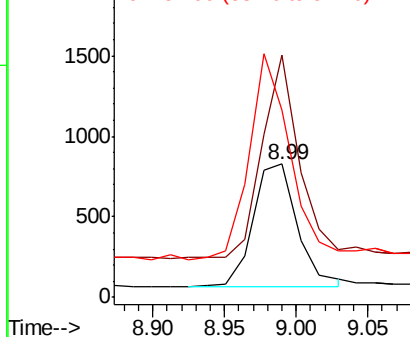


Abundance

Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.247 ng

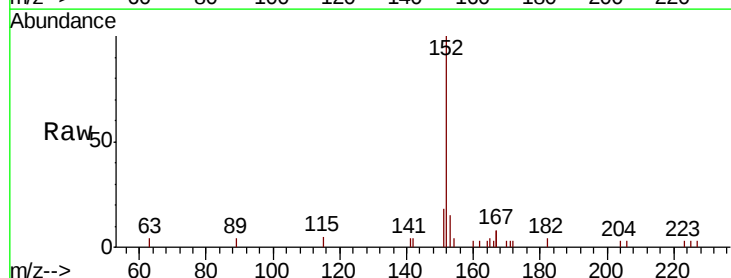
RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099552.D

Acq: 6 May 2019 14:50

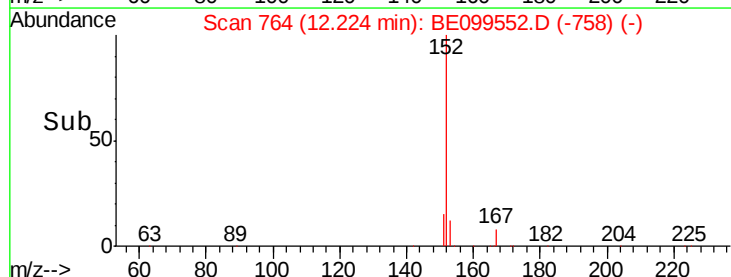
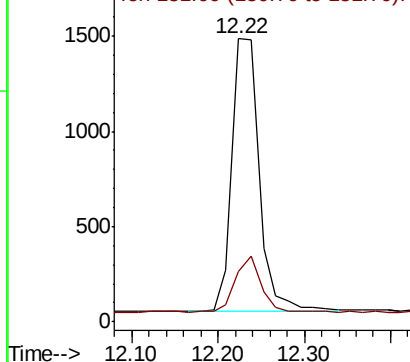
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.5	23.3

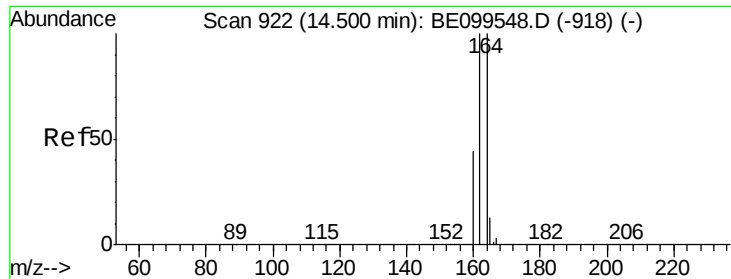


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





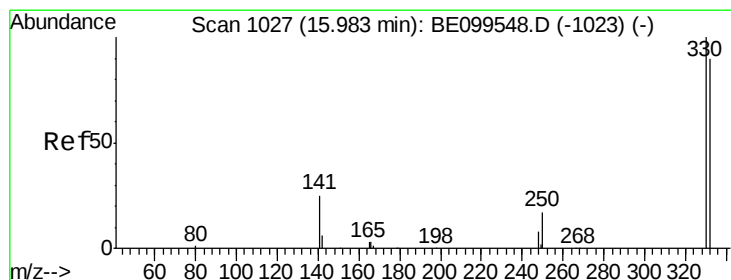
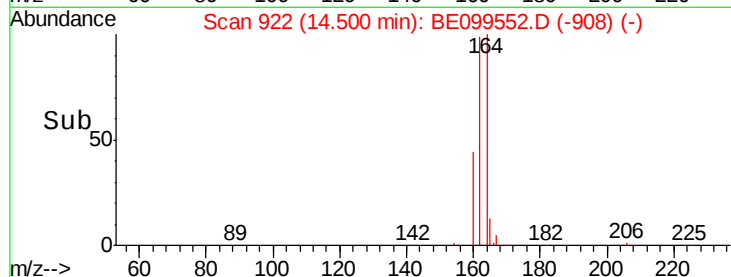
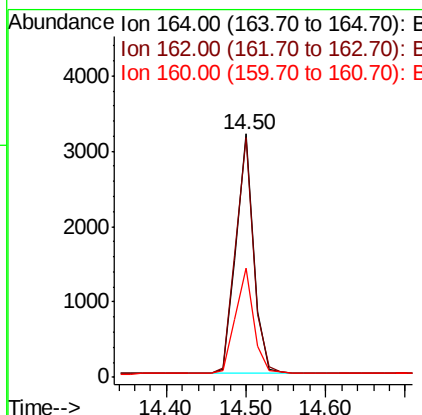
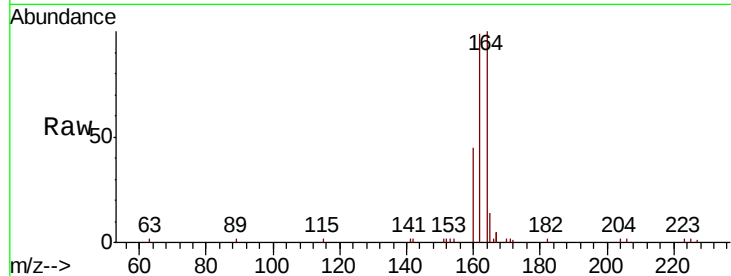
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: BE099552.D
Acq: 6 May 2019 14:50

Instrument :
BNA_E
ClientSampleId :
PST-004-B170-042319

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.0	118.4
160	45.1	37.0	55.4

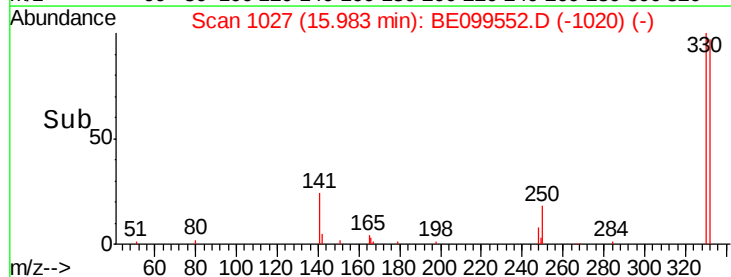
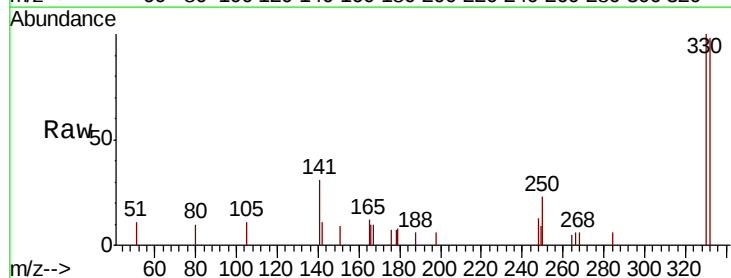
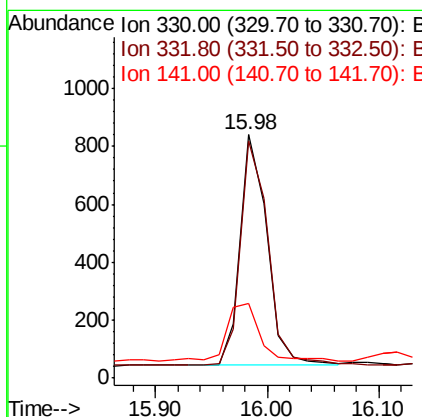
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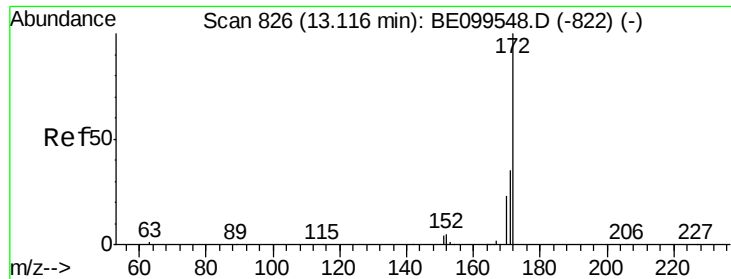
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#14
2,4,6-Tribromophenol
Concen: 0.428 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099552.D
Acq: 6 May 2019 14:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.3	71.5	107.3
141	30.7	24.0	36.0





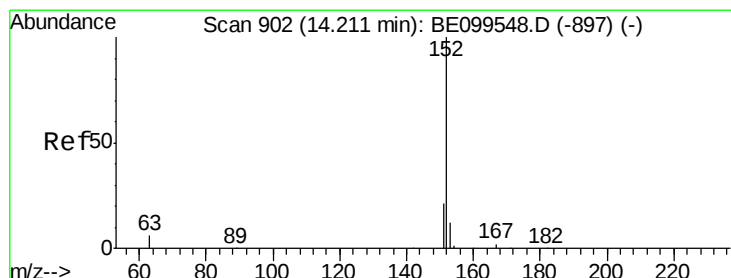
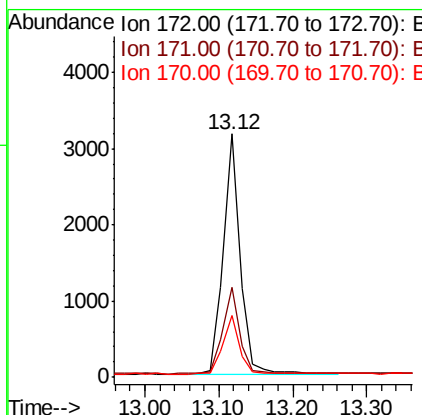
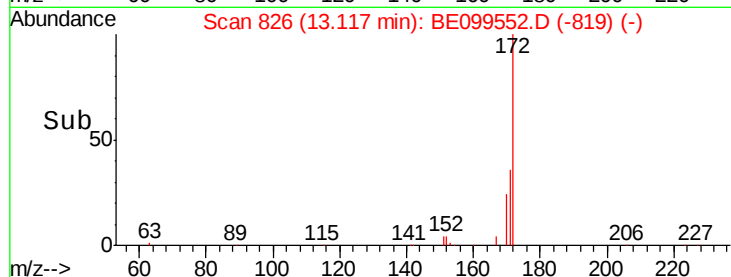
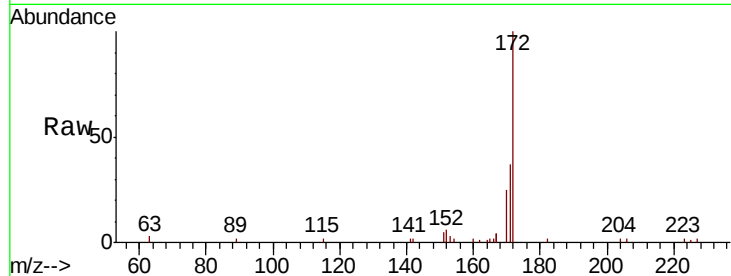
#15
2-Fluorobiphenyl
Concen: 0.263 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE099552.D
Acq: 6 May 2019 14:50

Instrument :
BNA_E
ClientSampleId :
PST-004-B170-042319

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	26.6	39.8
170	25.2	17.0	25.6

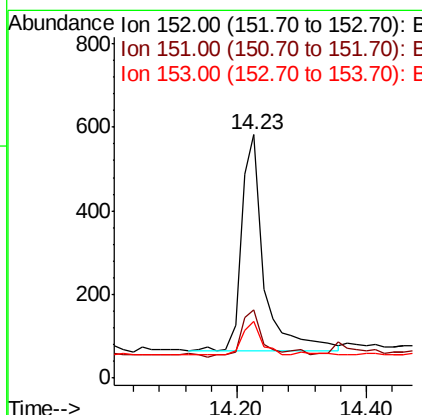
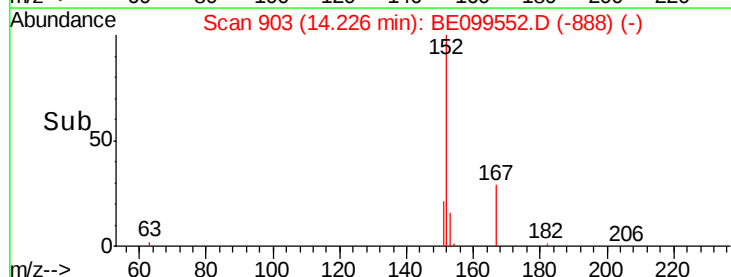
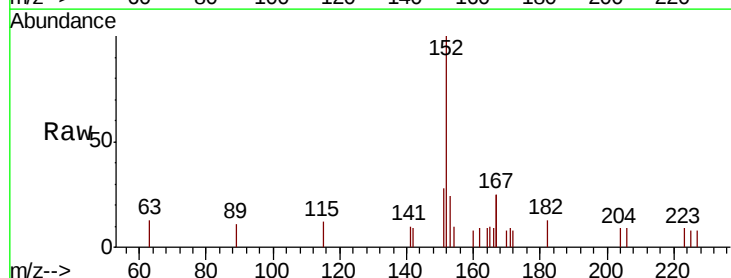
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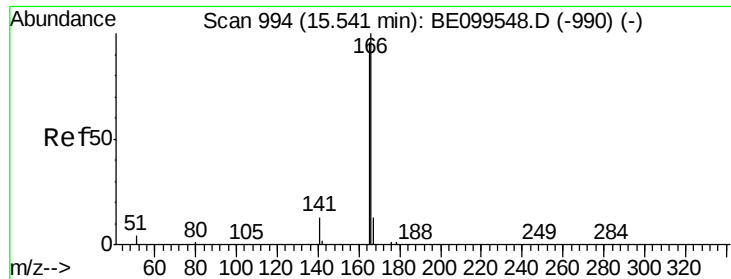
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#16
Acenaphthylene
Concen: 0.050 ng
RT: 14.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: BE099552.D
Acq: 6 May 2019 14:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.4	15.4	23.2#
153	13.9	9.8	14.6





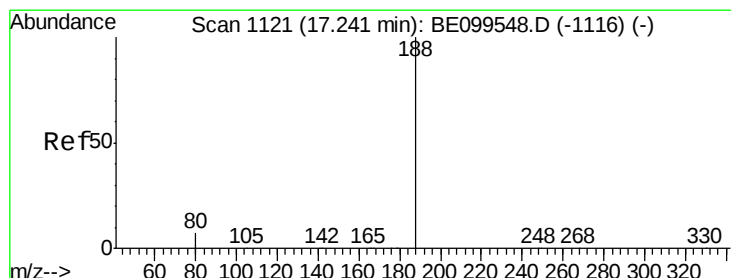
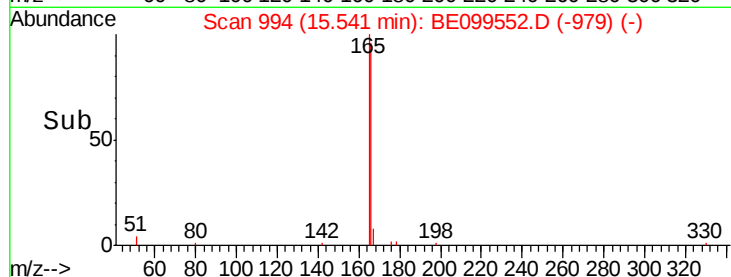
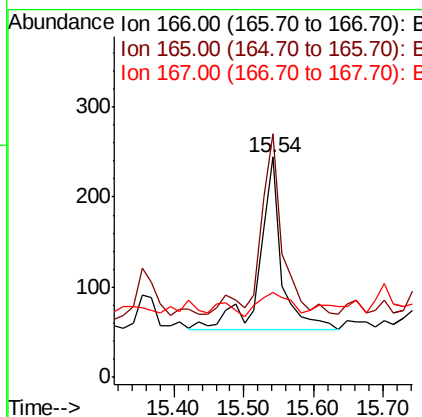
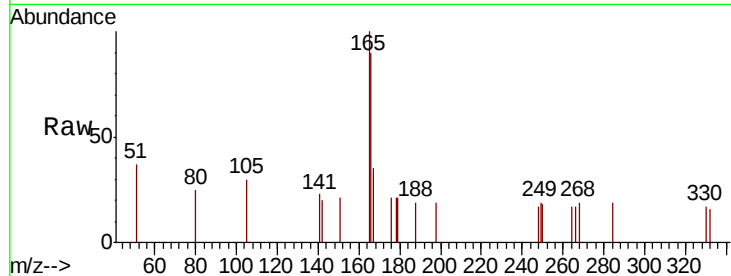
#18
Fluorene
 Concen: 0.021 ng
 RT: 15.54 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: BE099552.D
 Acq: 6 May 2019 14:50

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B170-042319

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.3	80.3	120.5
167	20.0	10.7	16.1#

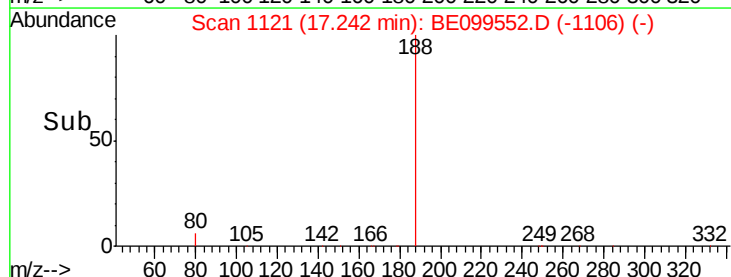
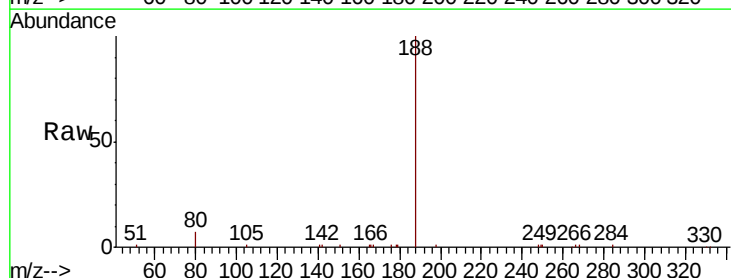
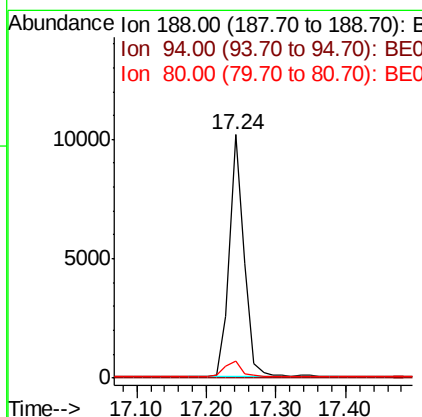
Manual Integrations
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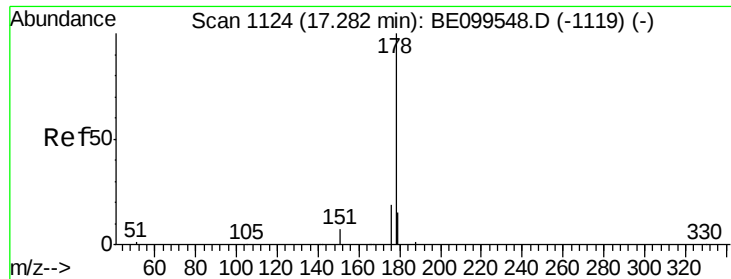
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#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.24 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: BE099552.D
 Acq: 6 May 2019 14:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.8	6.7	10.1





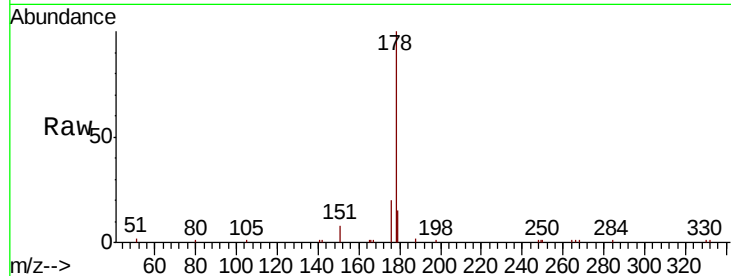
#23
Phenanthrene
Concen: 0.338 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE099552.D
Acq: 6 May 2019 14:50

Instrument :
BNA_E
ClientSampleId :
PST-004-B170-042319

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	15.5	12.0	18.0

Manual Integrations
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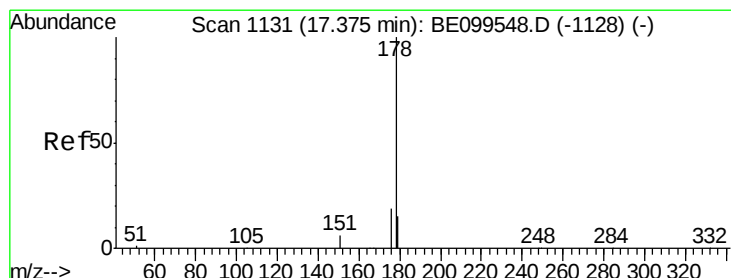
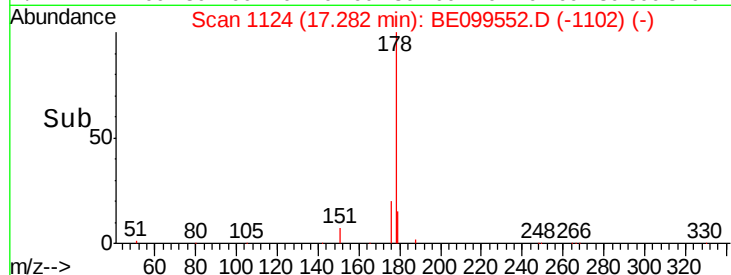
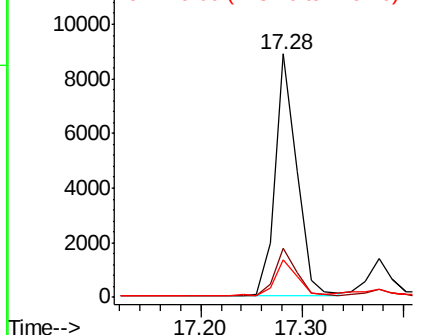


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24
Anthracene
Concen: 0.059 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BE099552.D
Acq: 6 May 2019 14:50

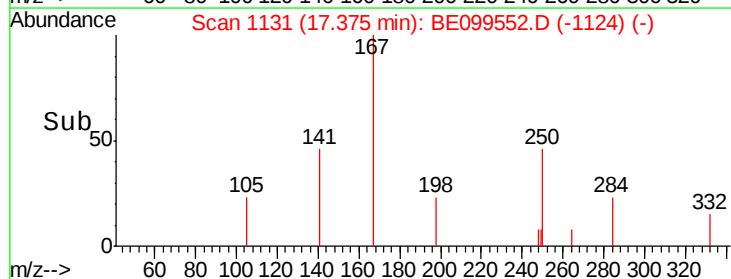
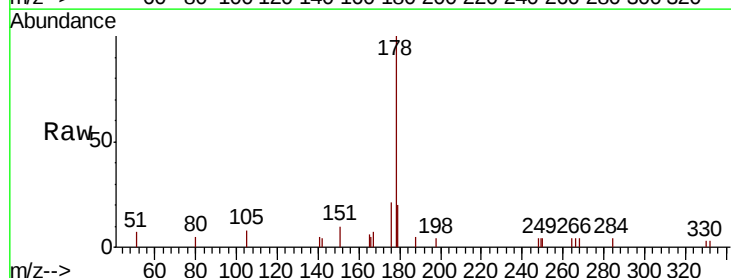
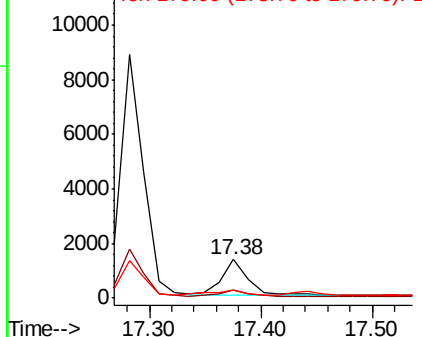
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.9	22.3
179	19.6	11.9	17.9

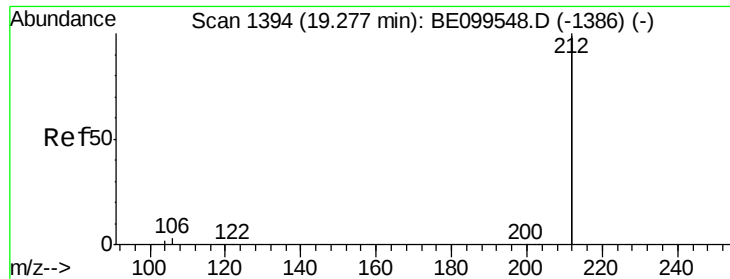
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





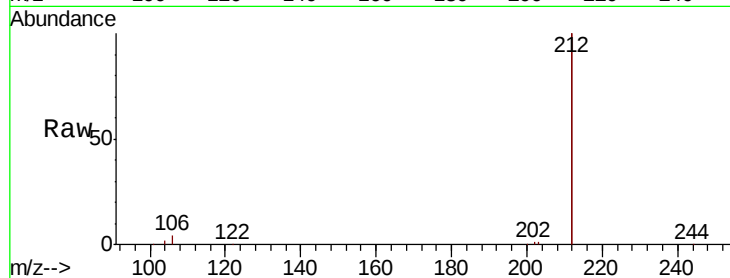
#25
Fluoranthene-d10
Concen: 0.346 ng
RT: 19.28 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BE099552.D
Acq: 6 May 2019 14:50

Instrument :
BNA_E
ClientSampleId :
PST-004-B170-042319

Tot Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.5	2.3
104	1.0	0.9	1.3

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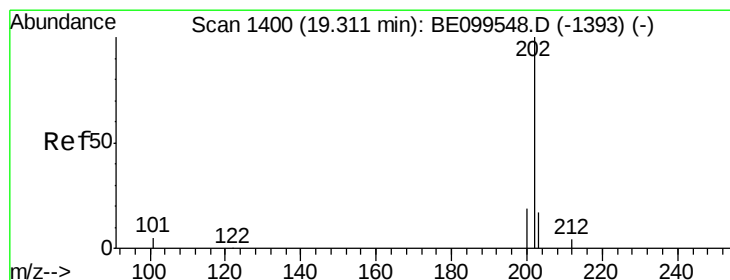
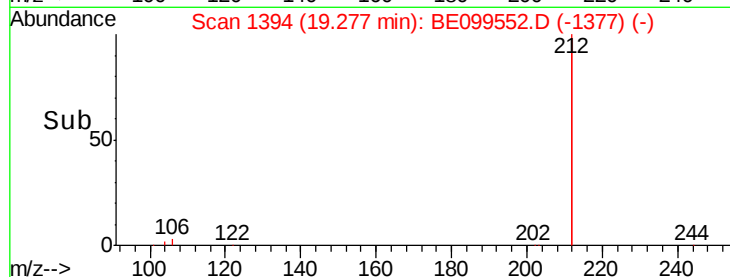
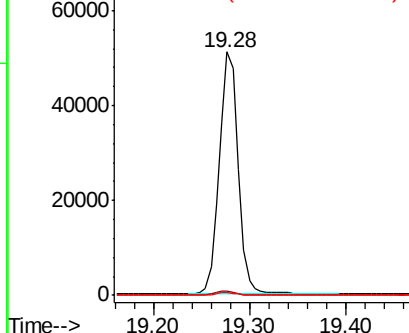


Abundance

Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26
Fluoranthene
Concen: 0.652 ng
RT: 19.31 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BE099552.D
Acq: 6 May 2019 14:50

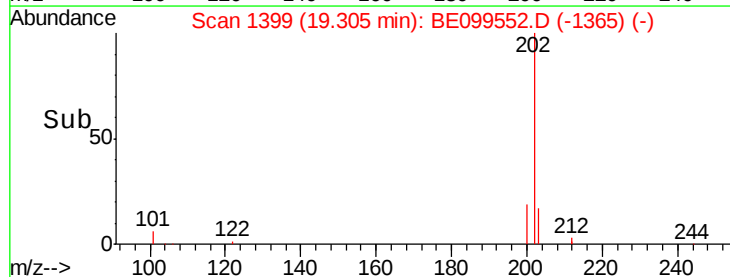
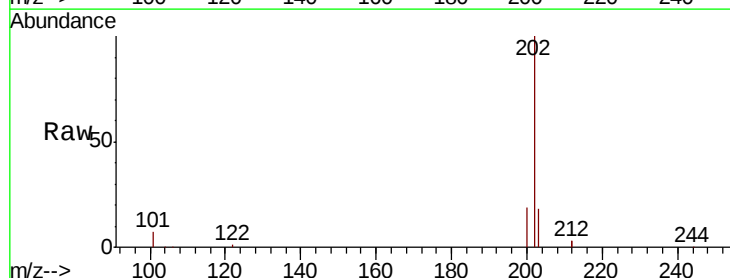
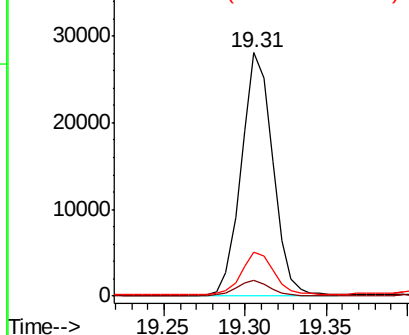
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.3	5.4	8.0
203	17.4	13.9	20.9

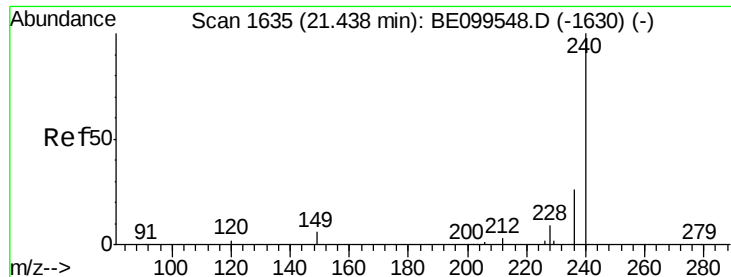
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE099552.D

Acq: 6 May 2019 14:50

Instrument :

BNA_E

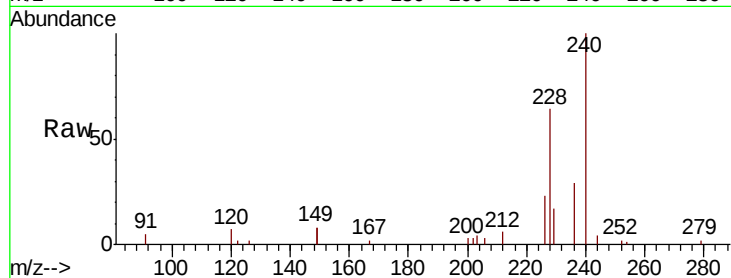
ClientSampleId :

PST-004-B170-042319

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.8	4.0	6.0#
236	29.0	22.0	33.0

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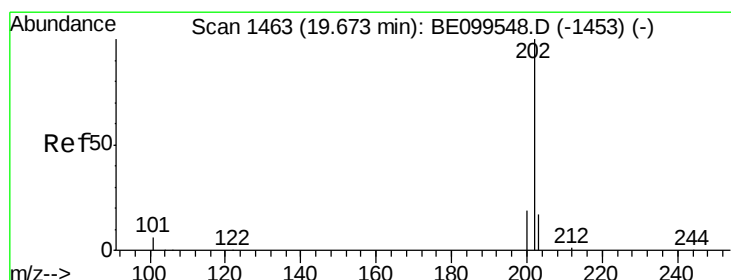
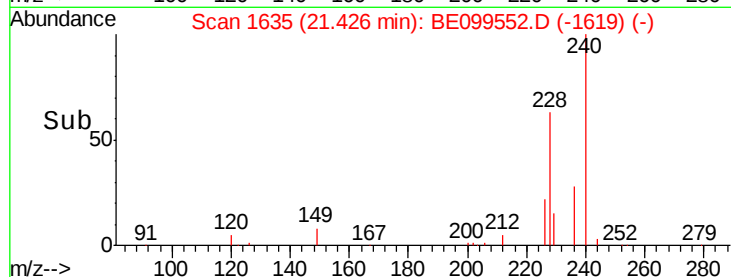
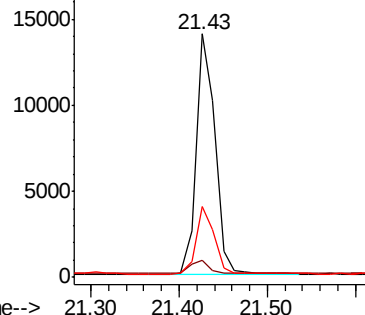


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.670 ng

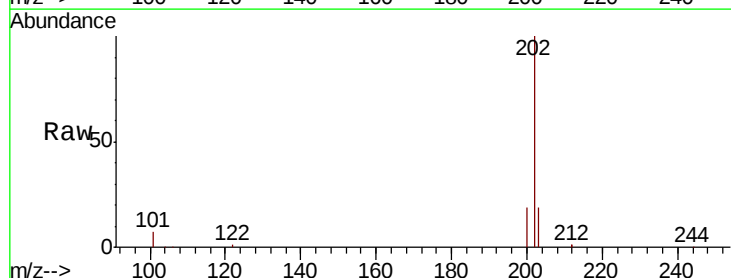
RT: 19.67 min Scan# 1463

Delta R.T. -0.00 min

Lab File: BE099552.D

Acq: 6 May 2019 14:50

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	21.0	13.9	20.9#

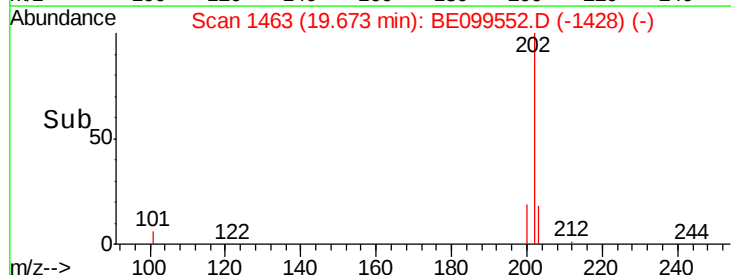
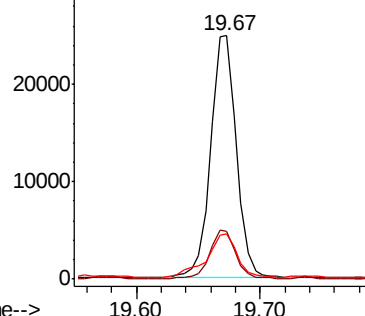


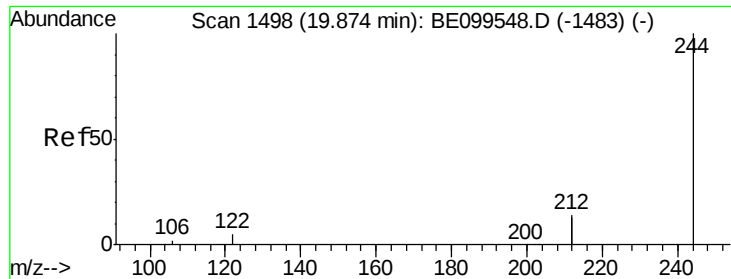
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.421 ng

RT: 19.87 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BE099552.D

Acq: 6 May 2019 14:50

Instrument :

BNA_E

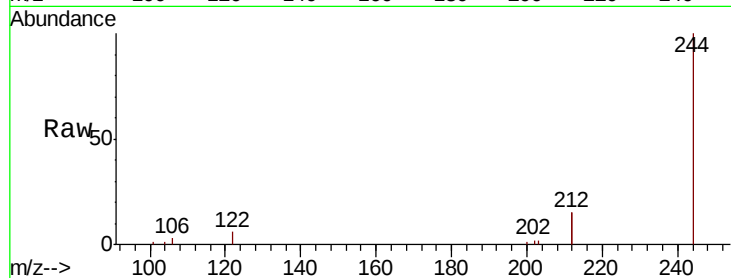
ClientSampleId :

PST-004-B170-042319

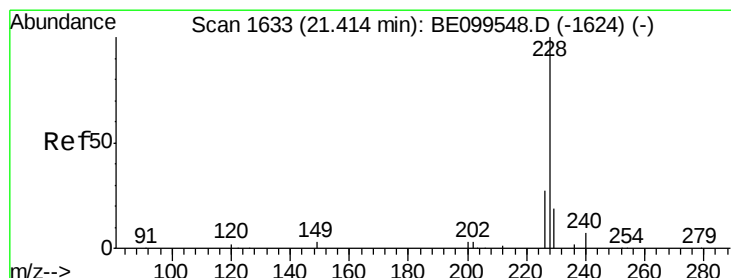
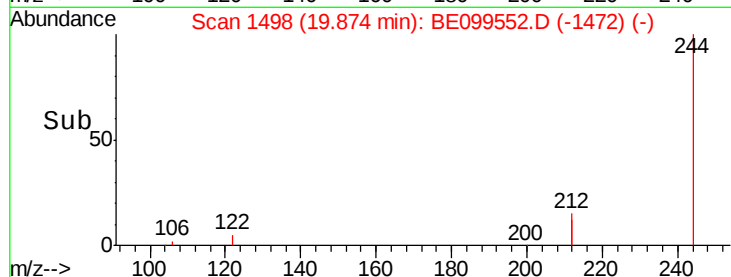
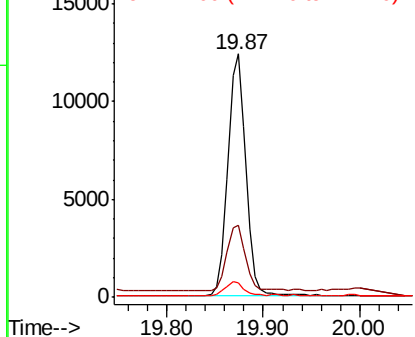
Tot Ion:	244	Resp:	15998
Ion Ratio	Lower	Upper	
244	100		
212	29.8	23.2	34.8
122	5.8	4.2	6.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.632 ng

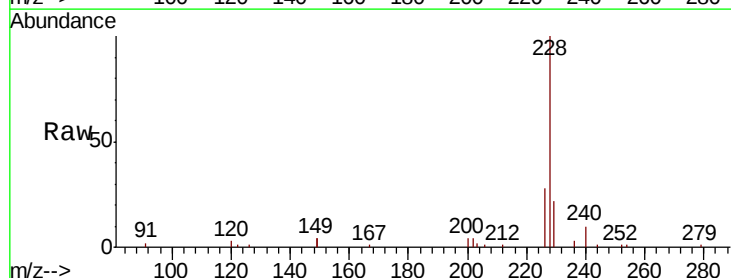
RT: 21.41 min Scan# 1634

Delta R.T. 0.00 min

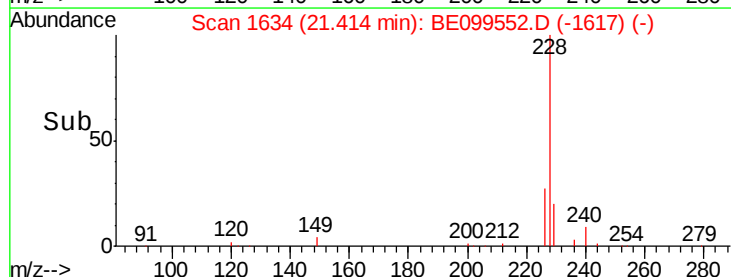
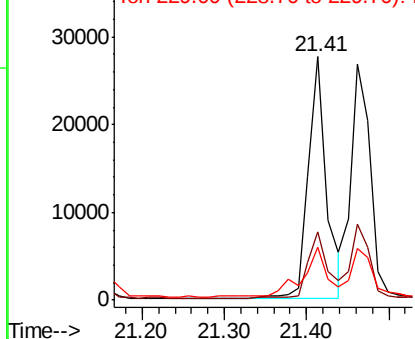
Lab File: BE099552.D

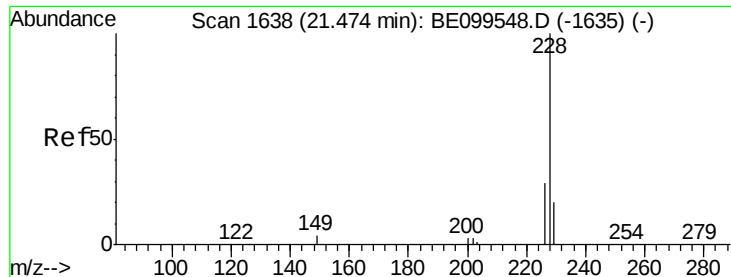
Acq: 6 May 2019 14:50

Tgt Ion:	228	Resp:	41827
Ion Ratio	Lower	Upper	
228	100		
226	28.2	21.0	31.6
229	21.9	16.6	25.0



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





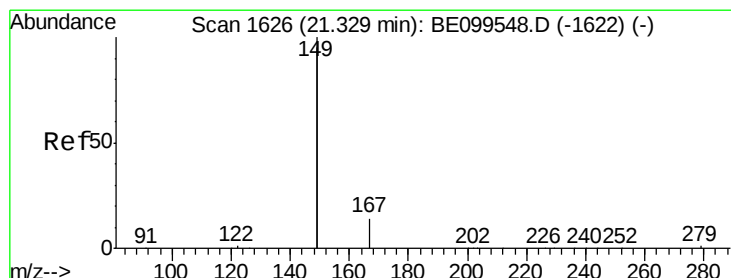
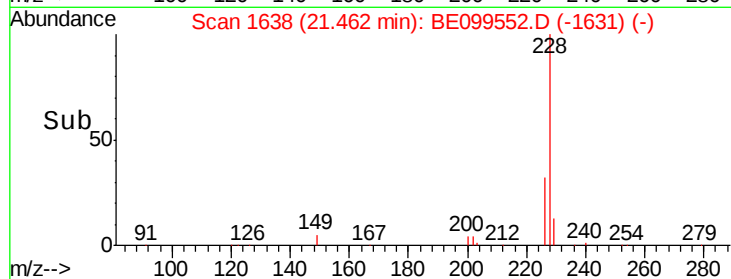
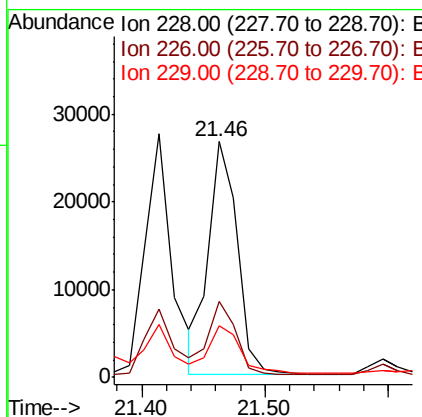
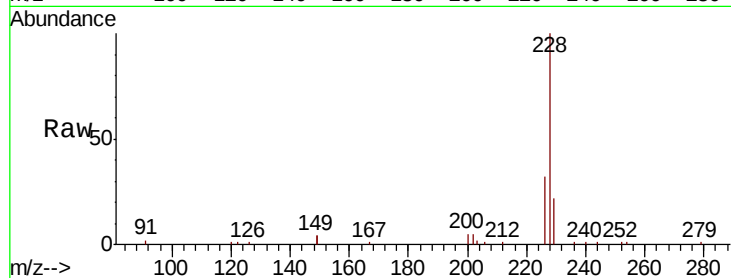
#31
Chrysene
Concen: 0.666 ng
RT: 21.46 min Scan# 1638
Delta R.T. -0.01 min
Lab File: BE099552.D
Acq: 6 May 2019 14:50

Instrument :
BNA_E
ClientSampleId :
PST-004-B170-042319

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.0	36.0
229	22.1	15.8	23.8

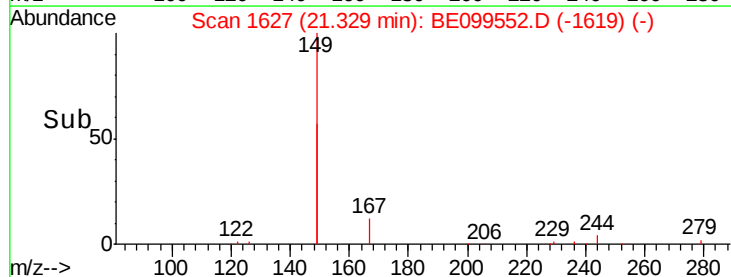
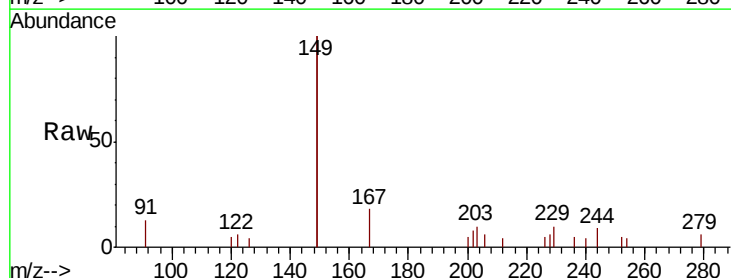
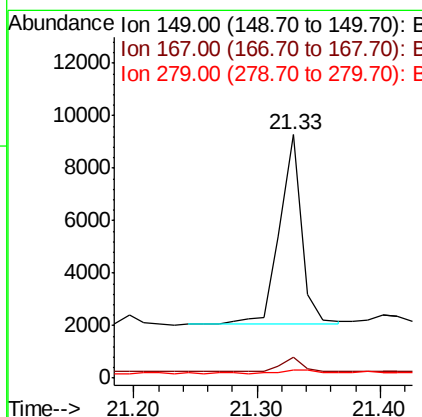
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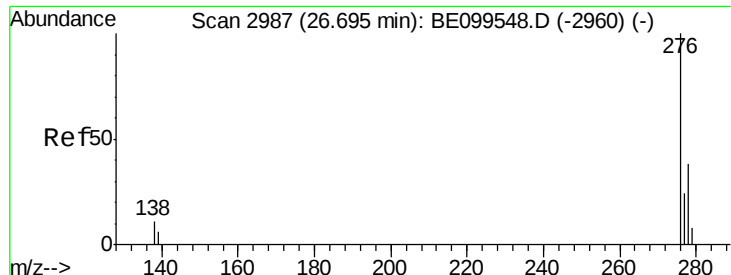
mohammad
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.026 ng
RT: 21.33 min Scan# 1627
Delta R.T. 0.00 min
Lab File: BE099552.D
Acq: 6 May 2019 14:50

Tgt Ion	Ratio	Lower	Upper
149	100		
167	8.1	5.8	8.6
279	2.5	1.0	1.6#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.525 ng

RT: 26.68 min Scan# 2985

Delta R.T. -0.01 min

Lab File: BE099552.D

Acq: 6 May 2019 14:50

Instrument :

BNA_E

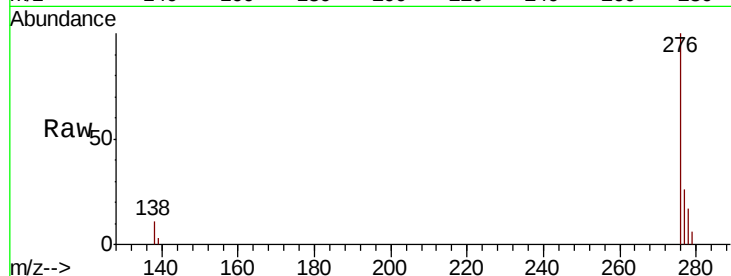
ClientSampleId :

PST-004-B170-042319

Tot Ion:	276	Resp:	40168
Ion Ratio	Lower	Upper	
276	100		
138	9.9	10.2	15.2#
277	24.8	19.2	28.8

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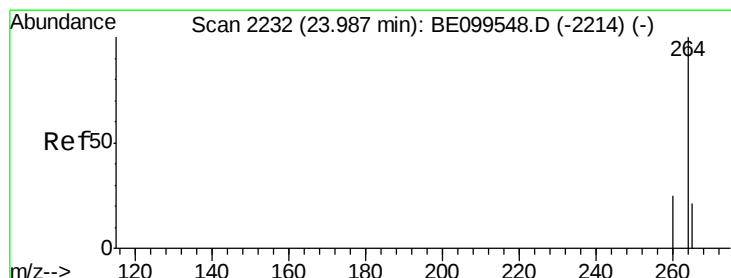
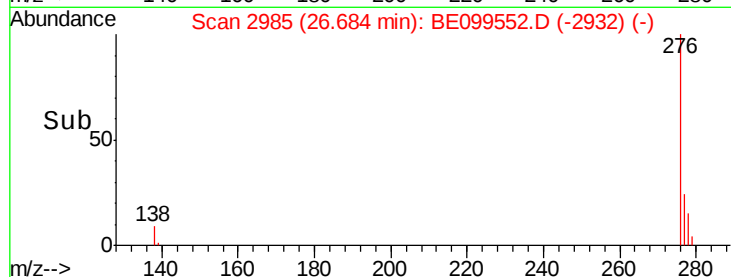
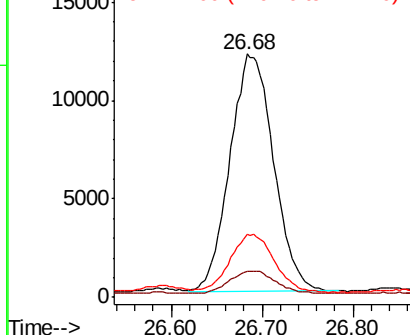


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.98 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BE099552.D

Acq: 6 May 2019 14:50

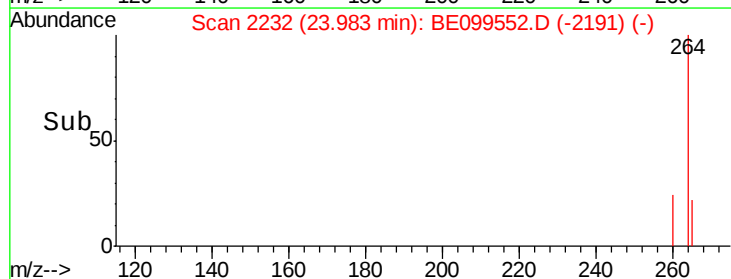
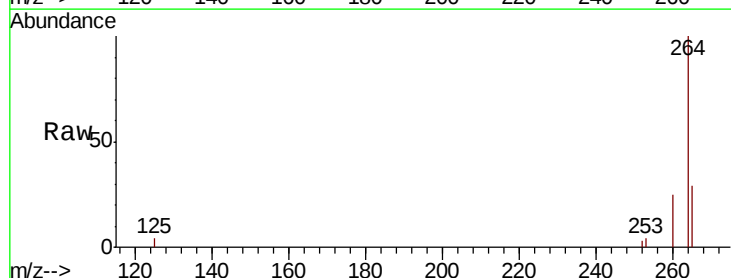
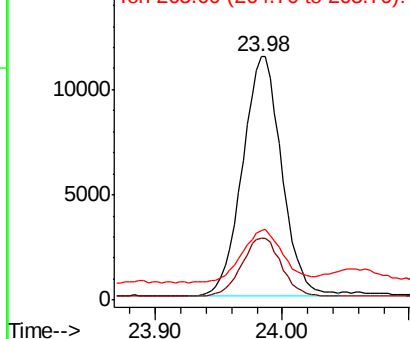
Tgt Ion:	264	Resp:	24473
Ion Ratio	Lower	Upper	
264	100		
260	25.3	20.2	30.2
265	28.7	21.3	31.9

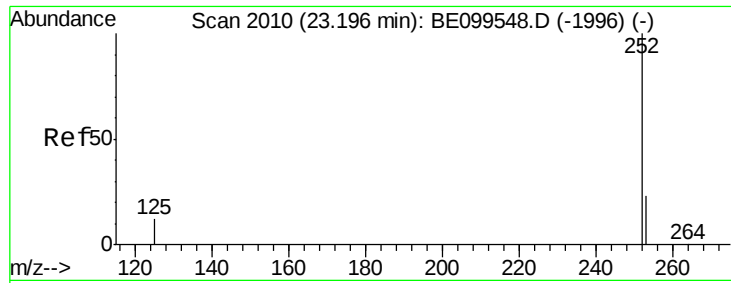
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.972 ng

RT: 23.20 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BE099552.D

Acq: 6 May 2019 14:50

Instrument :

BNA_E

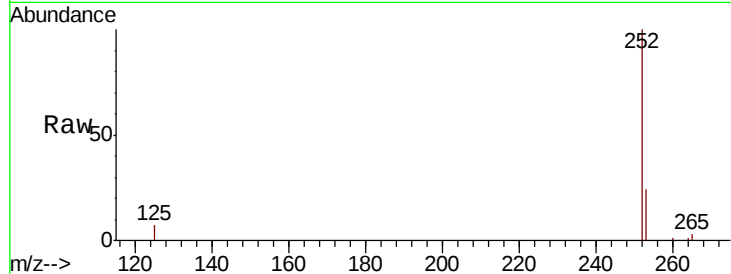
ClientSampleId :

PST-004-B170-042319

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	7.4	5.6	8.4

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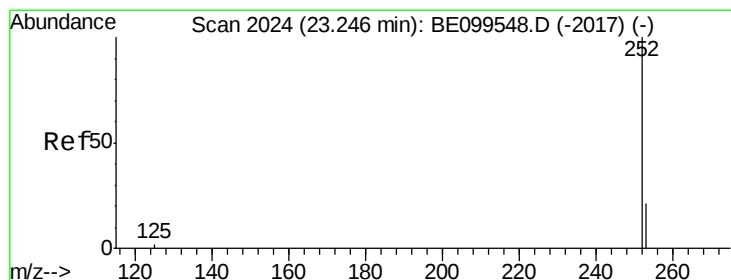
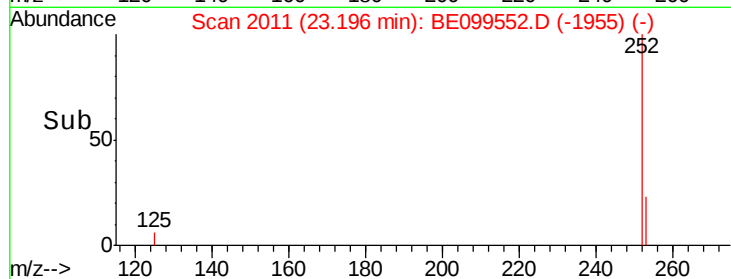
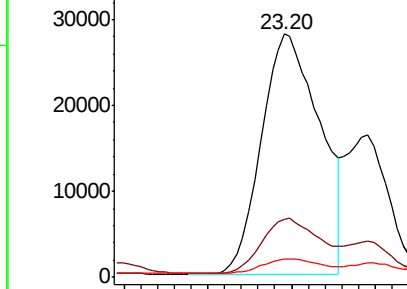
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.432 ng m

RT: 23.25 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BE099552.D

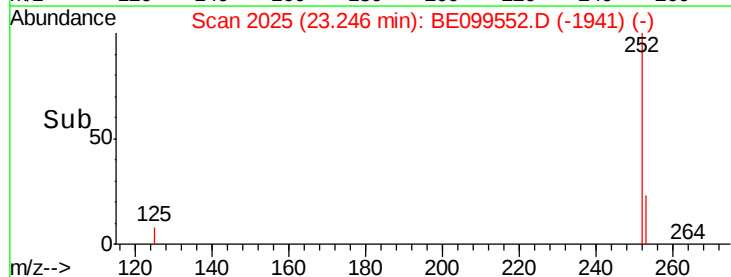
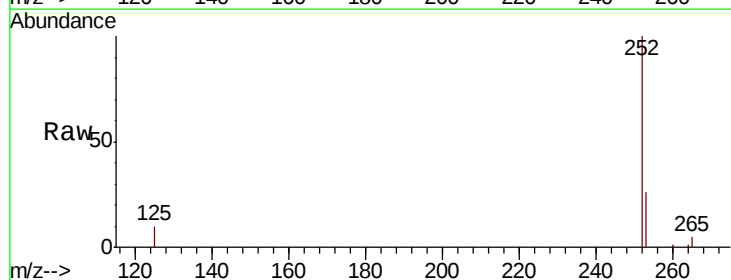
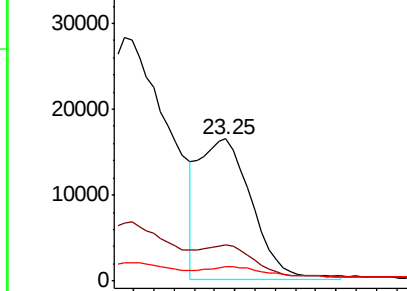
Acq: 6 May 2019 14:50

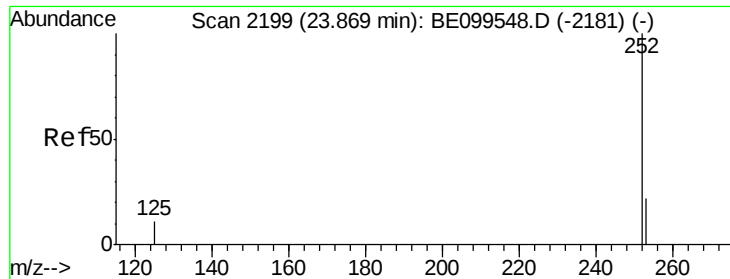
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.4	27.6
125	10.2	5.0	7.4

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.743 ng

RT: 23.87 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BE099552.D

Acq: 6 May 2019 14:50

Instrument :

BNA_E

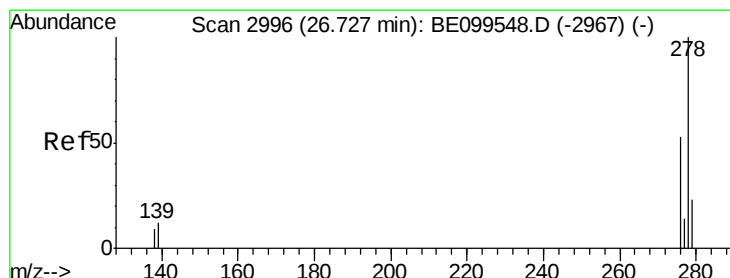
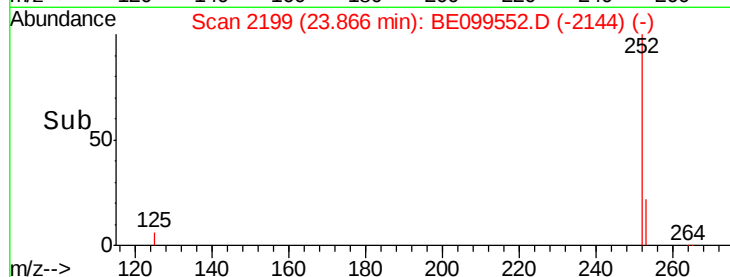
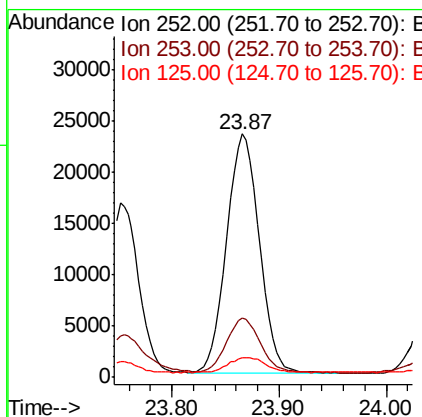
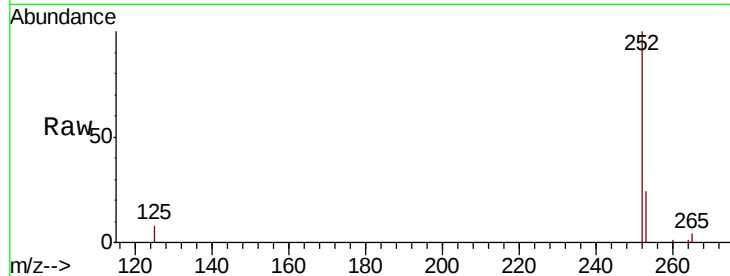
ClientSampleId :

PST-004-B170-042319

Tot Ion:	252	Resp:	49601
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.9	28.3
125	7.8	6.7	10.1

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#38

Dibenzo(a,h)anthracene

Concen: 0.158 ng

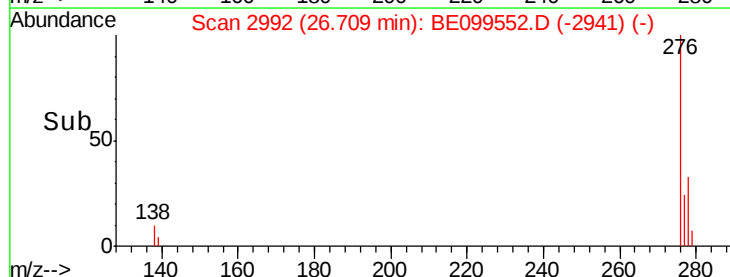
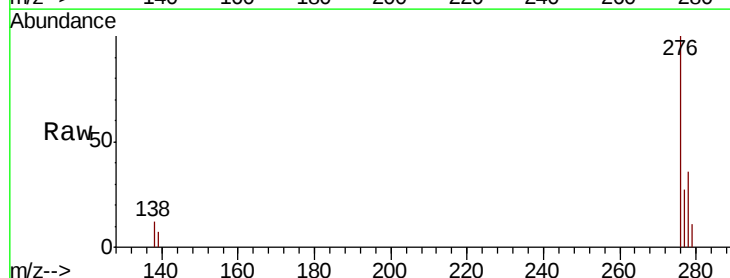
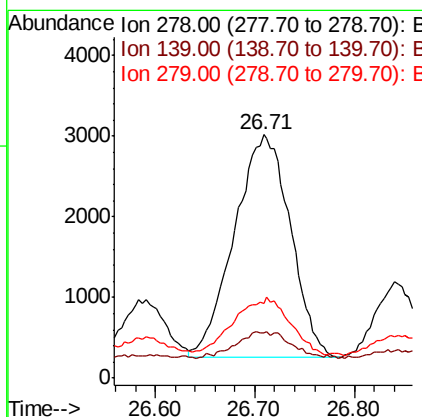
RT: 26.71 min Scan# 2992

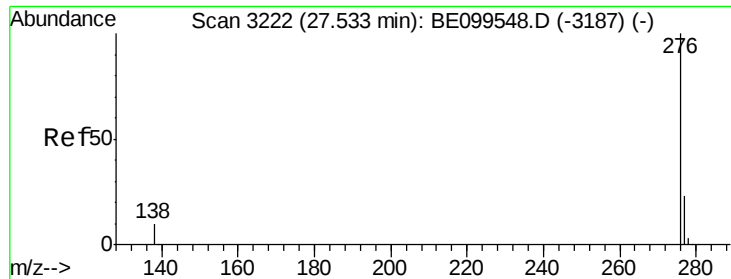
Delta R.T. -0.02 min

Lab File: BE099552.D

Acq: 6 May 2019 14:50

Tgt Ion:	278	Resp:	10792
Ion Ratio	Lower	Upper	
278	100		
139	18.8	7.7	11.5#
279	30.7	20.2	30.2#





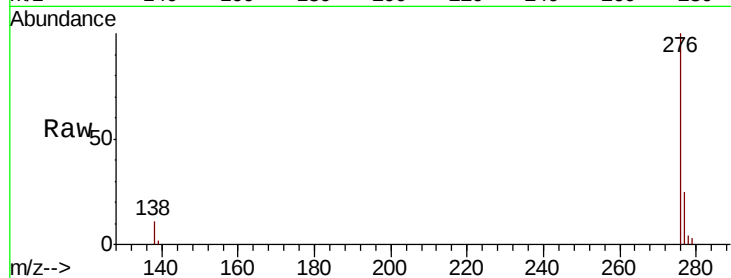
#39
 Benzo(a,h,i)perylene
 Concen: 0.572 ng
 RT: 27.53 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: BE099552.D
 Acq: 6 May 2019 14:50

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B170-042319

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.5	29.3
138	11.2	9.6	14.4

Manual Integrations
 APPROVED

mohammad
 5/7/2019 3:11:20 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

