

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
 Data File : BP000253.D
 Acq On : 16 Sep 2019 22:00
 Operator : HP/JU
 Sample : K4877-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CSA-2-2

Manual Integrations
 APPROVED

mohammad
 9/17/2019 1:27:40 PM

Quant Time: Sep 17 07:02:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	313035	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1148967	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	624599	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1113003	20.00	ng	0.00
76) Chrysene-d12	13.99	240	921529	20.00	ng	-0.01
87) Perylene-d12	15.47	264	1042988	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1439319	79.38	ng	0.00
7) Phenol-d6	6.42	99	1833341	82.48	ng	0.00
23) Nitrobenzene-d5	7.35	82	997998	56.04	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	505636	81.62	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2050448	59.08	ng	0.00
79) Terphenyl-d14	12.93	244	2190383	49.86	ng	0.00
Target Compounds						
10) Phenol	6.43	94	76924	3.046	ng	95
50) Dimethylphthalate	9.54	163	258758	6.081	ng	99
71) Phenanthrene	11.35	178	133026	2.385	ng	98
75) Fluoranthene	12.55	202	317127	5.295	ng	98
78) Pyrene	12.77	202	271101	3.932	ng	98
81) Benzo(a)anthracene	13.97	228	161289m	2.771	ng	
83) Chrysene	14.01	228	186358	3.261	ng	96
88) Benzo(b)fluoranthene	15.04	252	275065m	4.421	ng	
90) Benzo(a)pyrene	15.40	252	142963	2.525	ng	# 93
92) Benzo(g,h,i)perylene	17.39	276	111759	2.060	ng	98

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

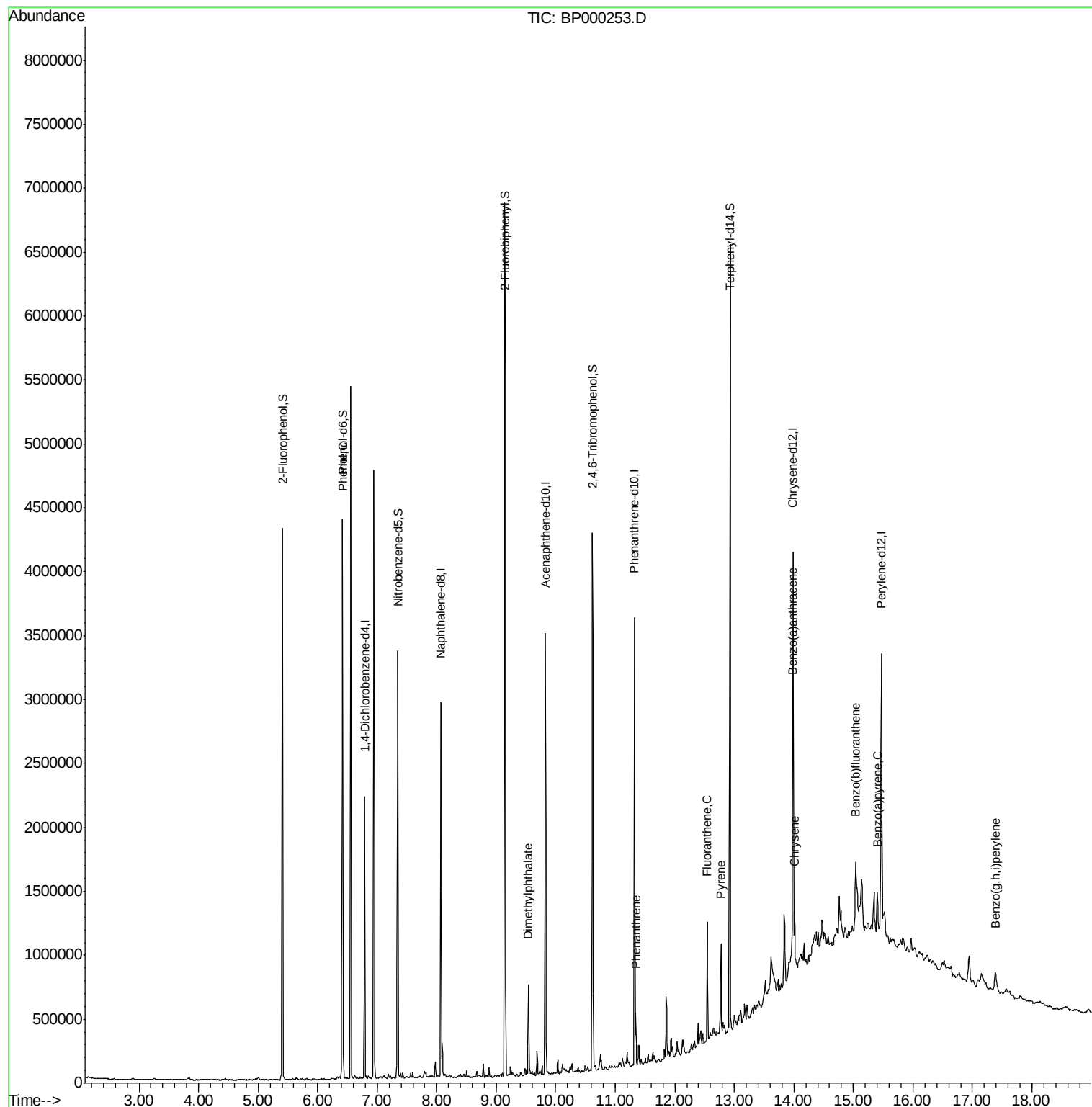
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
Data File : BP000253.D
Acq On : 16 Sep 2019 22:00
Operator : HP/JU
Sample : K4877-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampled :
CSA-2-2

Manual Integrations
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#1

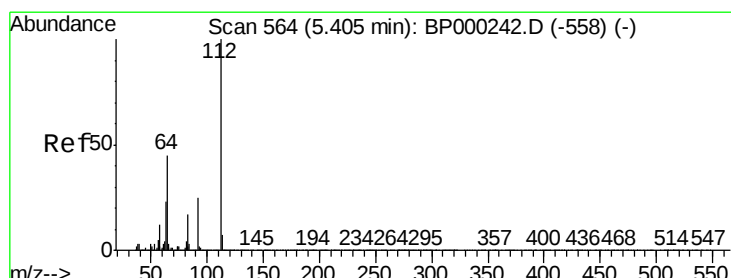
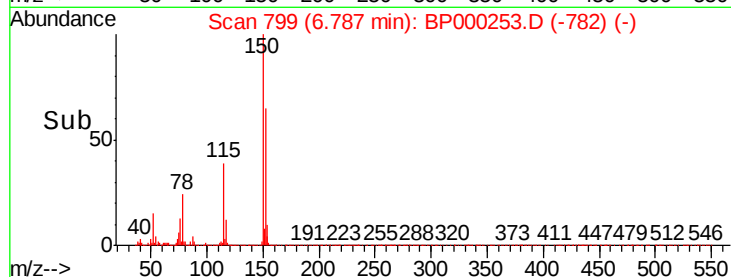
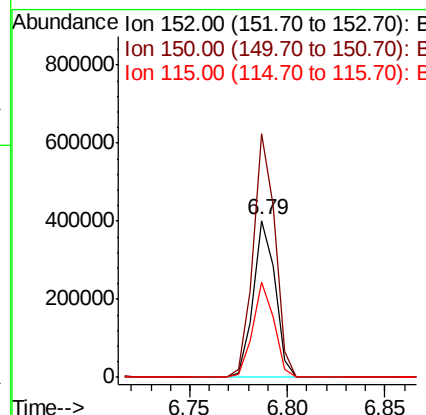
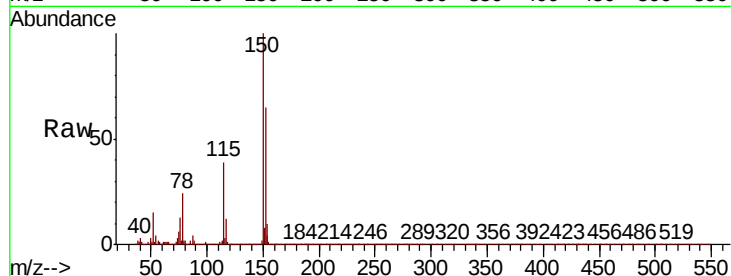
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Instrument :
BNA_P
ClientSampleId :
CSA-2-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.2	187.8
115	60.2	49.7	74.5

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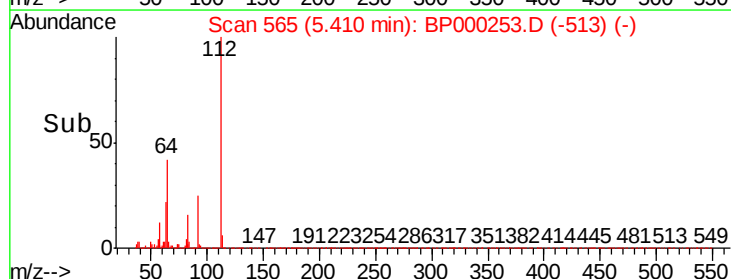
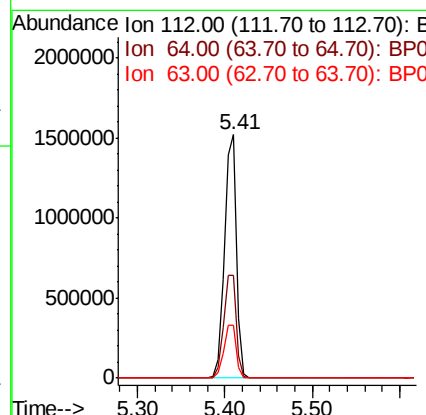
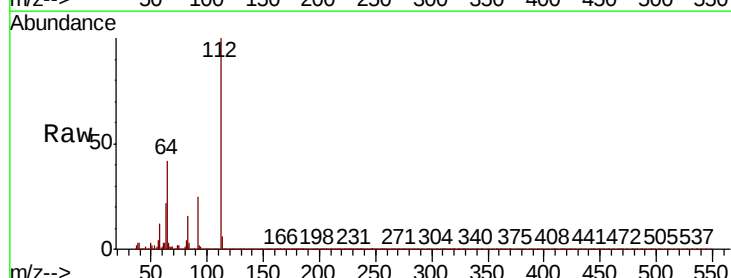
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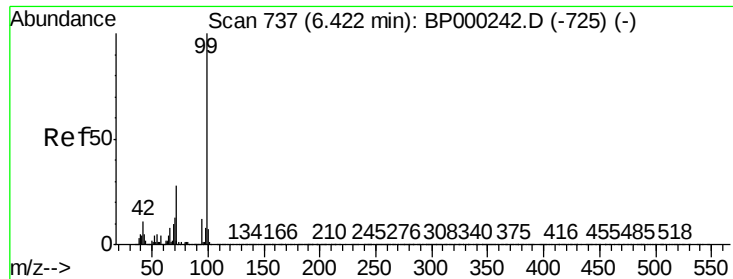


#5

2-Fluorophenol
Concen: 79.377 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.3	36.2	54.4
63	21.6	18.3	27.5





#7

Phenol-d6

Concen: 82.483 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BP000253.D

Acq: 16 Sep 2019 22:00

Instrument :

BNA_P

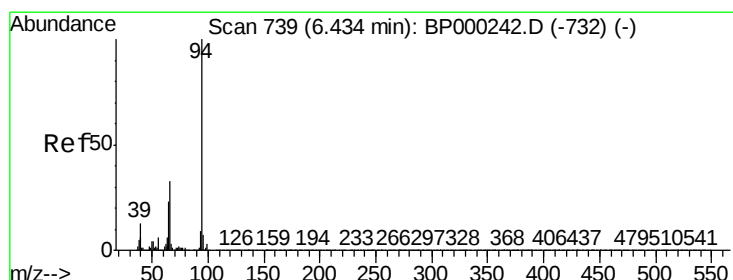
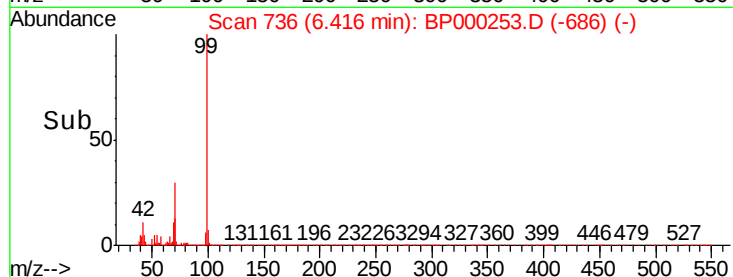
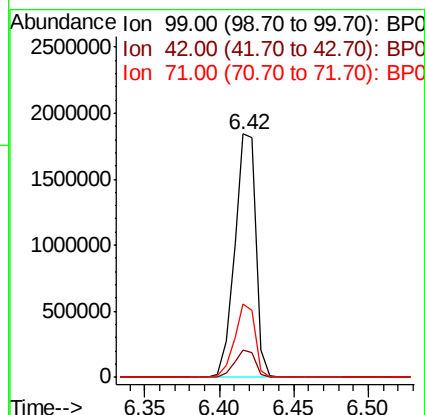
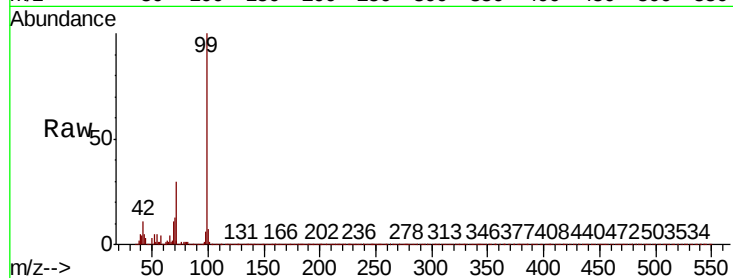
ClientSampled :

CSA-2-2

Tot Ion:	99	Resp:	1833341
Ion	Ratio	Lower	Upper
99	100		
42	11.3	8.5	12.7
71	30.1	22.6	34.0

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#10

Phenol

Concen: 3.046 ng

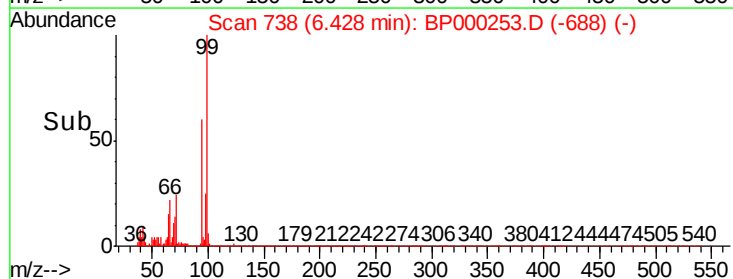
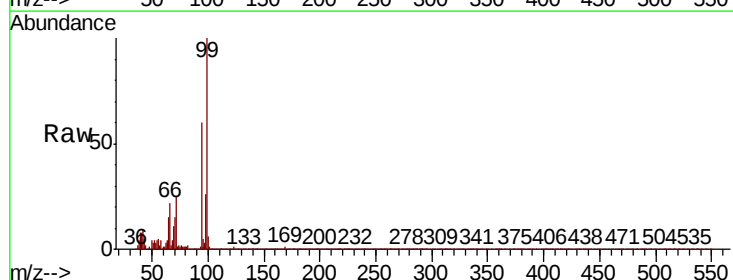
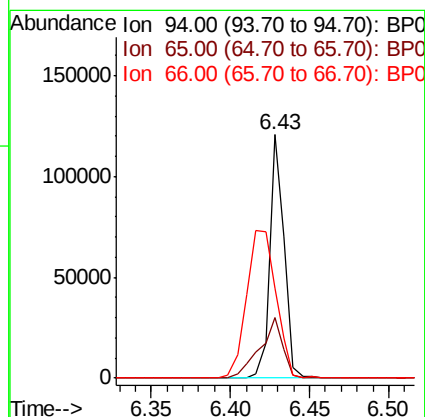
RT: 6.43 min Scan# 738

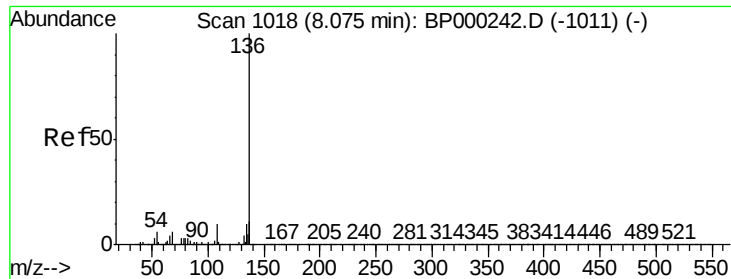
Delta R.T. -0.01 min

Lab File: BP000253.D

Acq: 16 Sep 2019 22:00

Tgt Ion:	94	Resp:	76924
Ion	Ratio	Lower	Upper
94	100		
65	24.7	3.3	43.3
66	36.8	12.7	52.7





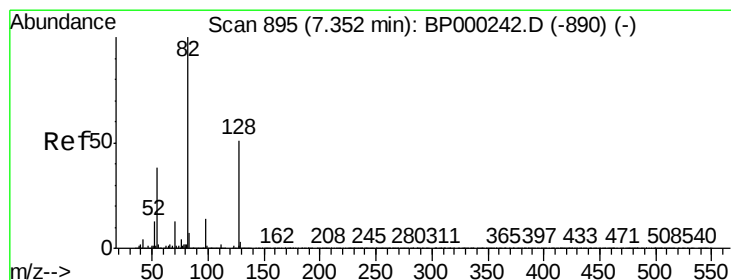
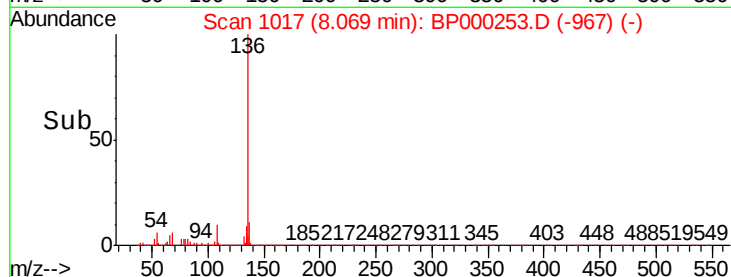
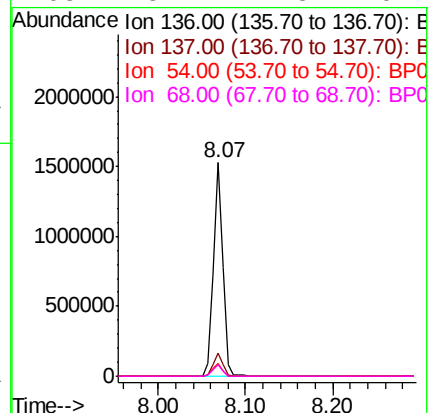
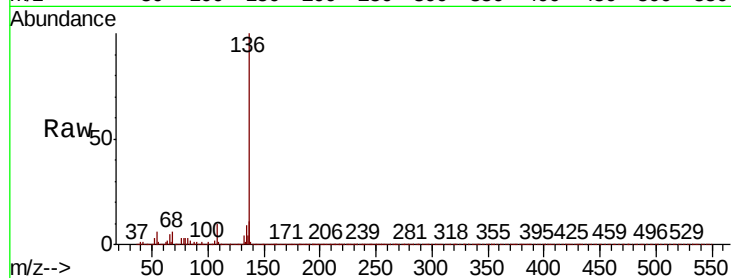
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Instrument :
BNA_P
ClientSampleId :
CSA-2-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.9	8.6	13.0		
54	5.8	4.5	6.7		
68	5.7	4.5	6.7		

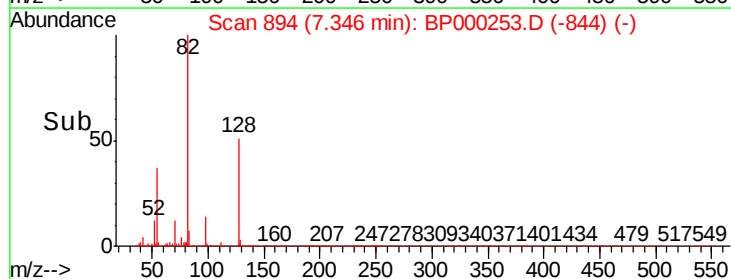
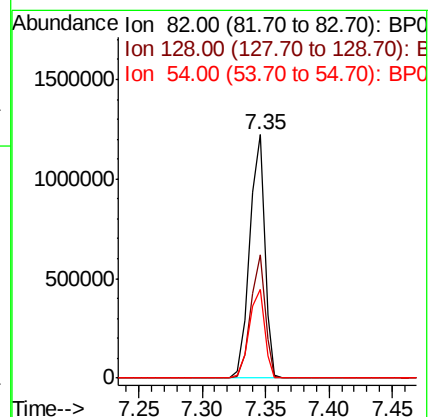
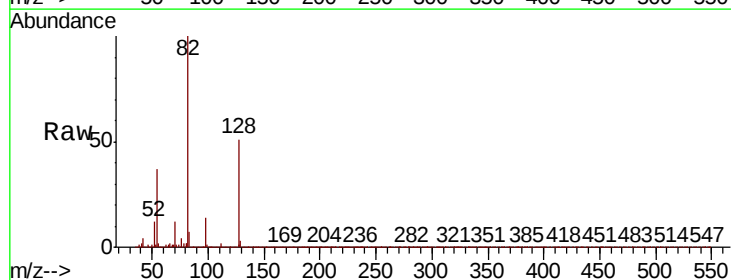
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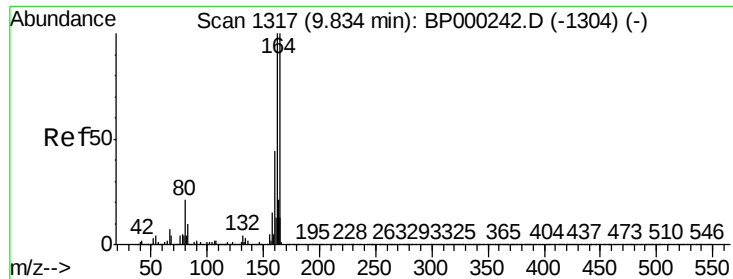
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#23
Nitrobenzene-d5
Concen: 56.042 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	50.7	40.7	61.1		
54	36.7	30.1	45.1		





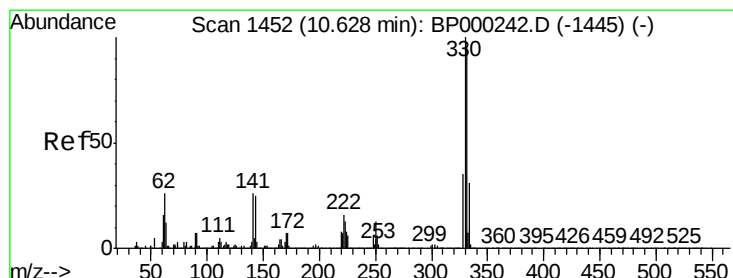
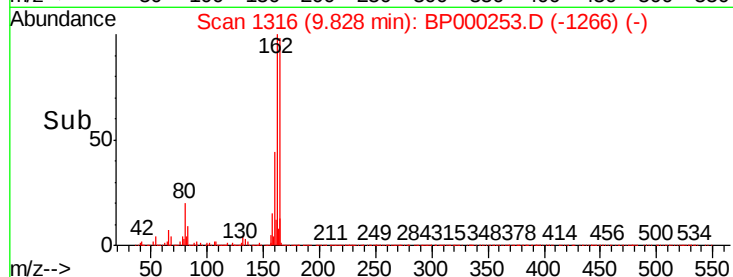
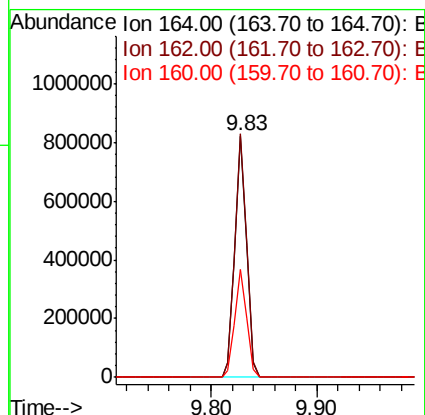
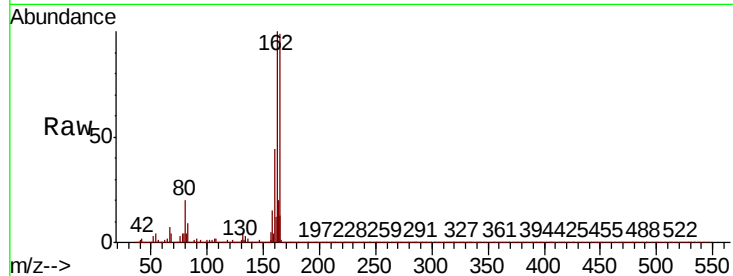
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Instrument :
BNA_P
ClientSampled :
CSA-2-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.9	79.9	119.9	
160	44.7	35.6	53.4	

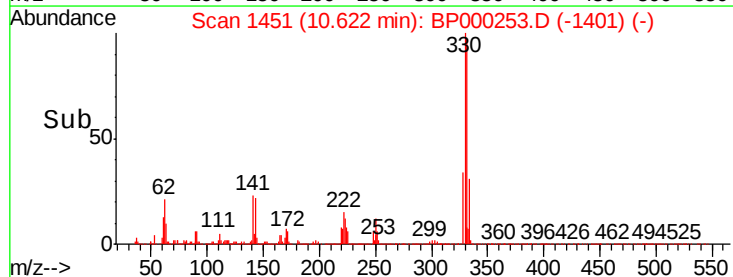
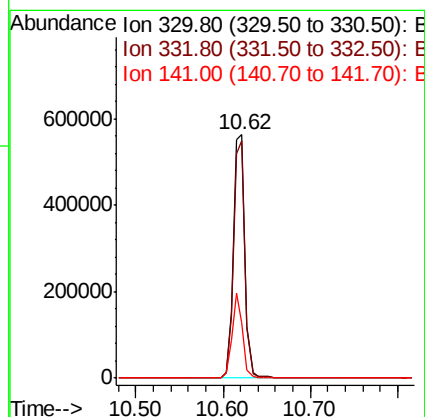
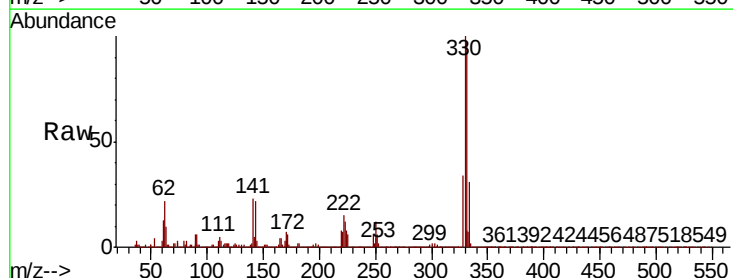
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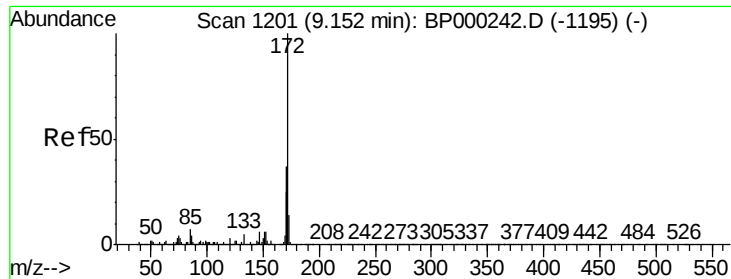
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#42
2,4,6-Tribromophenol
Concen: 81.618 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	76.6	115.0	
141	30.9	26.5	39.7	





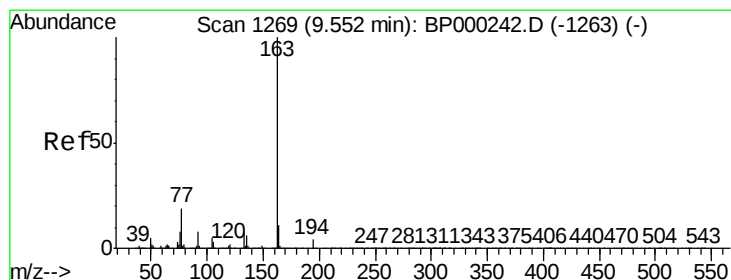
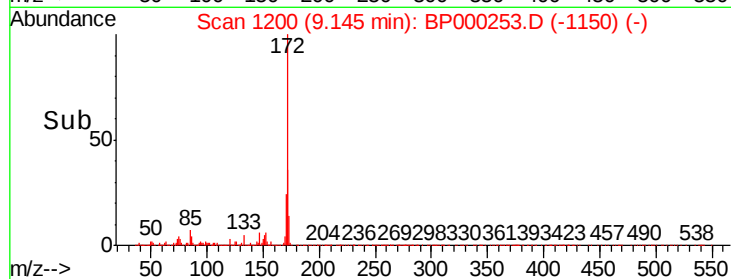
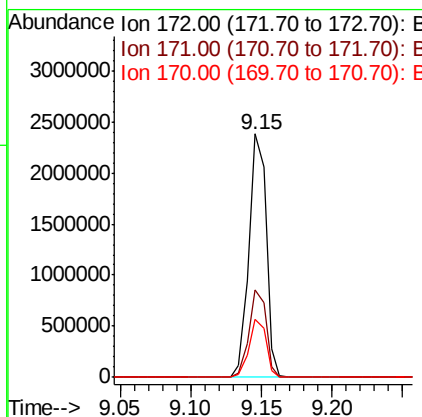
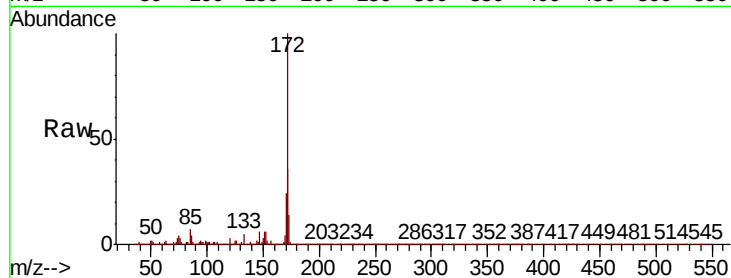
#45
2-Fluorobiphenyl
Concen: 59.085 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Instrument :
BNA_P
ClientSampleId :
CSA-2-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.8	44.6
170	23.9	19.8	29.6

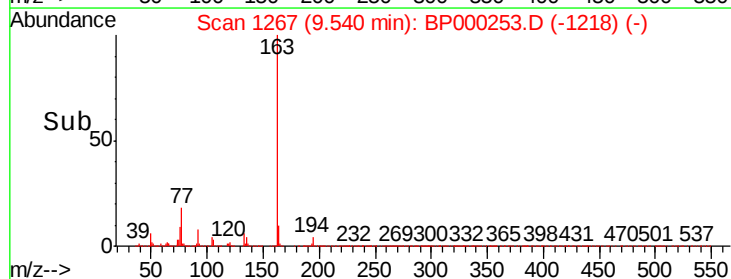
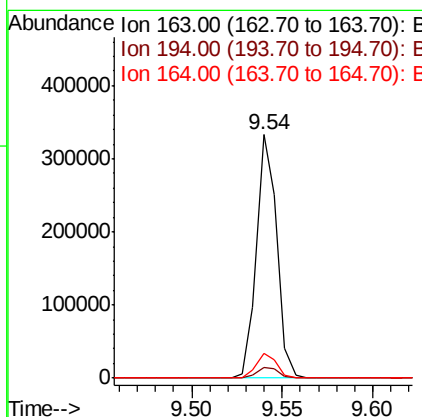
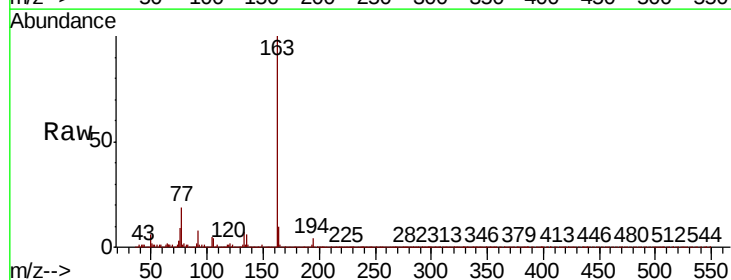
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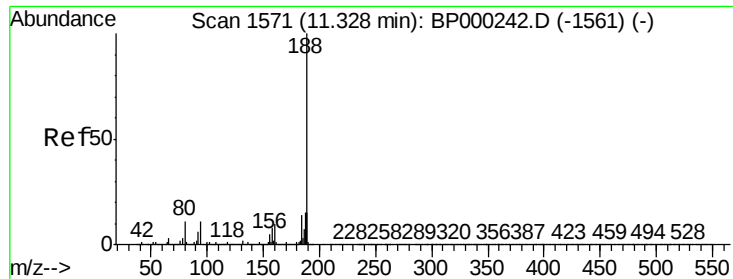
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#50
Dimethylphthalate
Concen: 6.081 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.1	8.5	12.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BP000253.D

Acq: 16 Sep 2019 22:00

Instrument :

BNA_P

ClientSampleId :

CSA-2-2

Tot Ion:188 Resp: 1113003

Ion Ratio Lower Upper

188 100

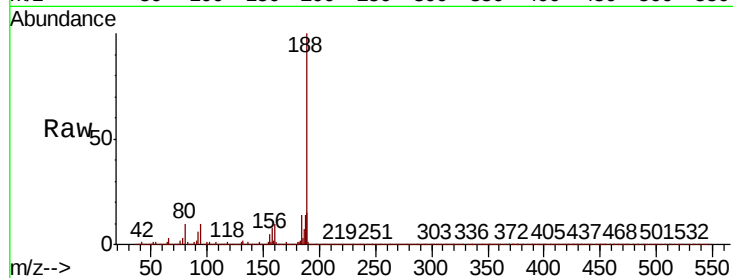
94 10.1 8.5 12.7

80 10.2 8.6 13.0

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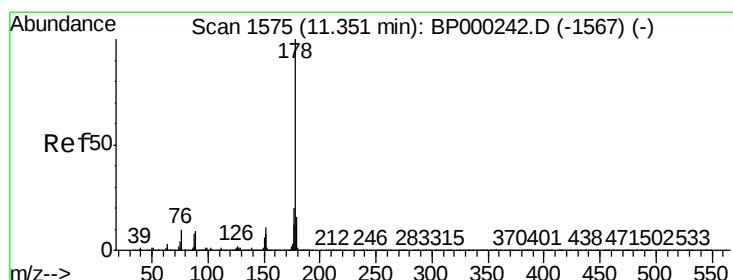
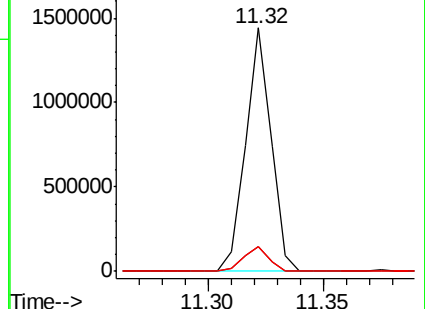
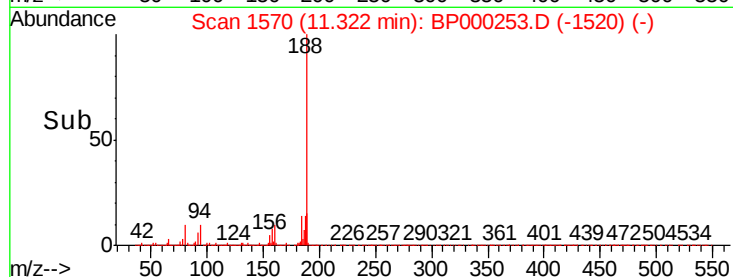
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 2.385 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BP000253.D

Acq: 16 Sep 2019 22:00

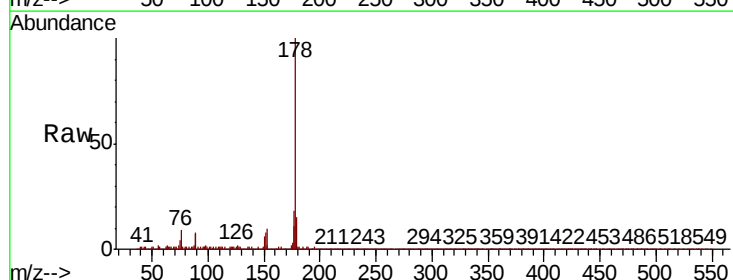
Tgt Ion:178 Resp: 133026

Ion Ratio Lower Upper

178 100

176 18.4 15.8 23.8

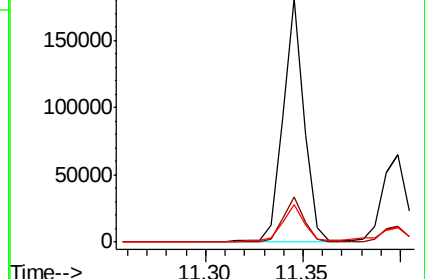
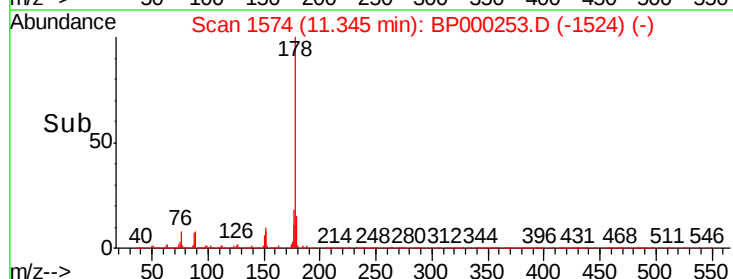
179 15.4 12.7 19.1

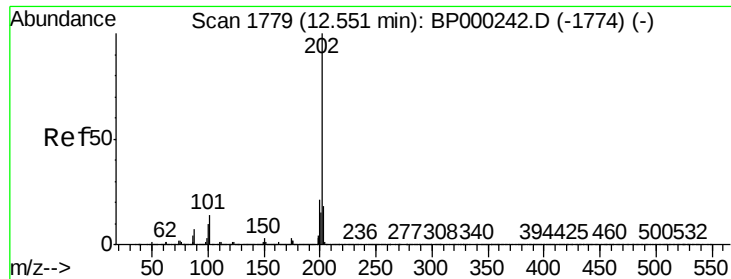


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.295 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BP000253.D

Acq: 16 Sep 2019 22:00

Instrument :

BNA_P

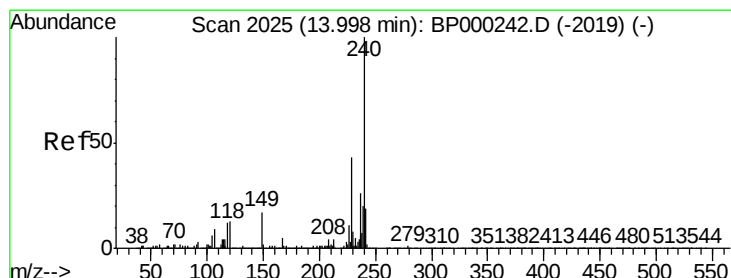
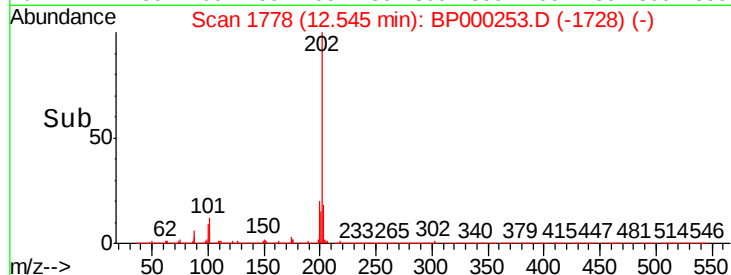
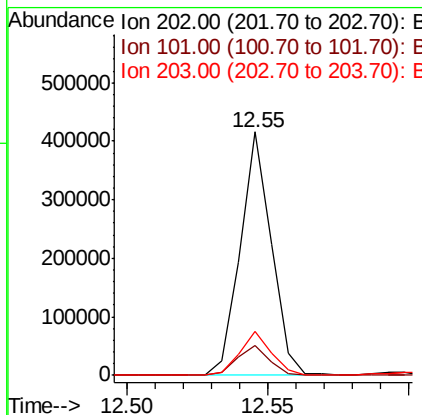
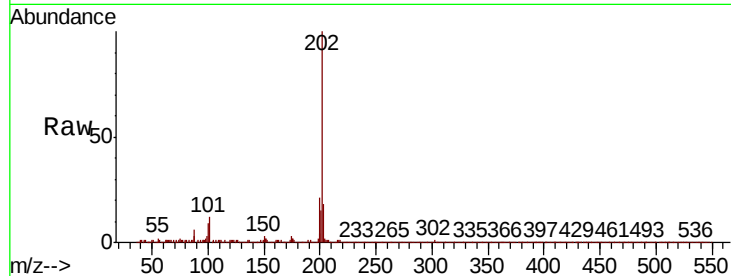
ClientSampled :

CSA-2-2

Tot Ion:	202	Resp:	317127
Ion Ratio		Lower	Upper
202	100		
101	12.1	0.0	33.9
203	17.9	0.0	38.0

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

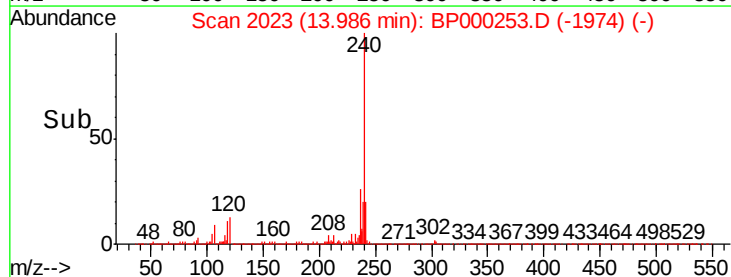
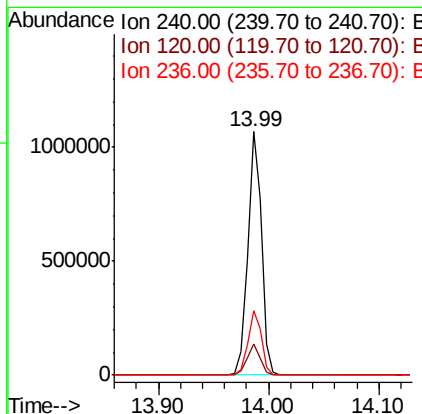
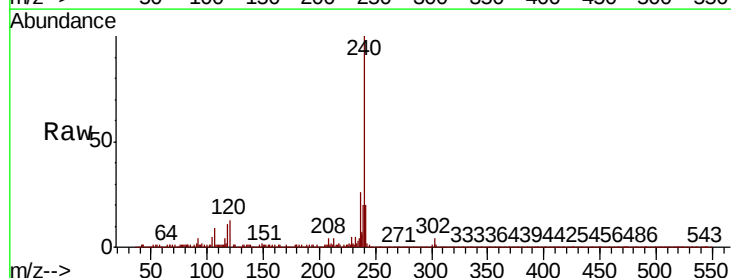
RT: 13.99 min Scan# 2023

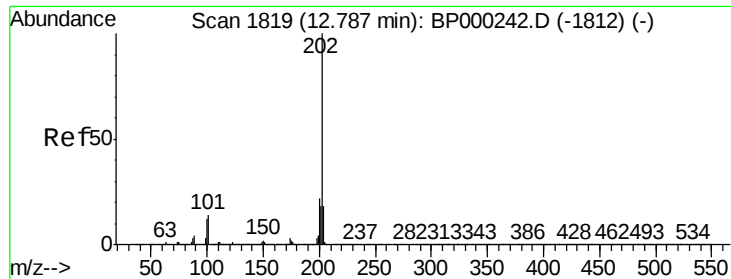
Delta R.T. -0.01 min

Lab File: BP000253.D

Acq: 16 Sep 2019 22:00

Tgt Ion:	240	Resp:	921529
Ion Ratio		Lower	Upper
240	100		
120	12.8	10.4	15.6
236	26.5	21.0	31.6





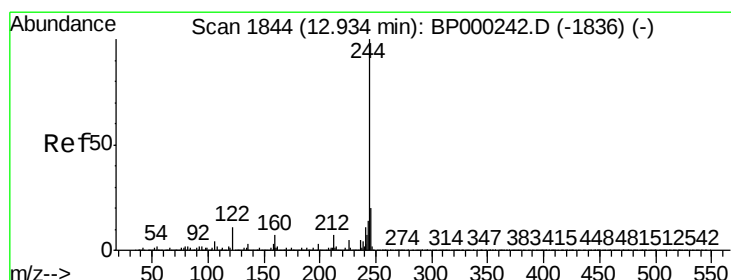
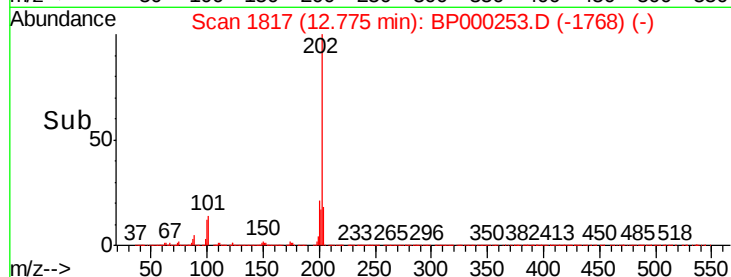
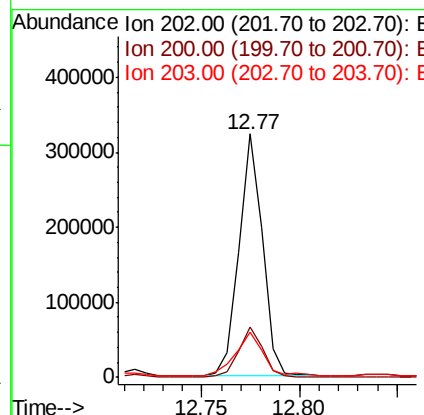
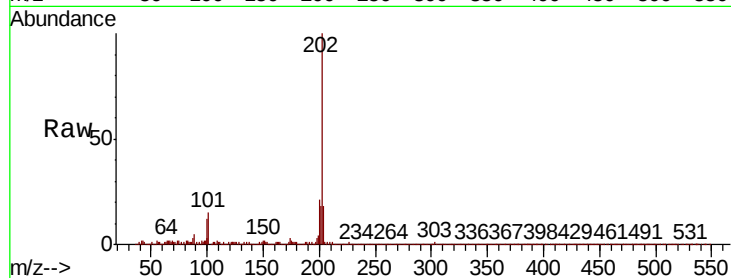
#78
Pvrene
Concen: 3.932 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Instrument :
BNA_P
ClientSampleId :
CSA-2-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.5	26.3
203	18.3	14.3	21.5

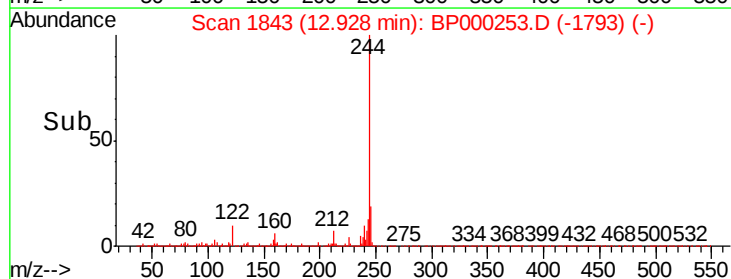
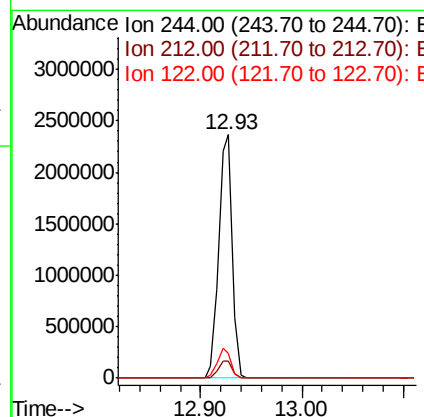
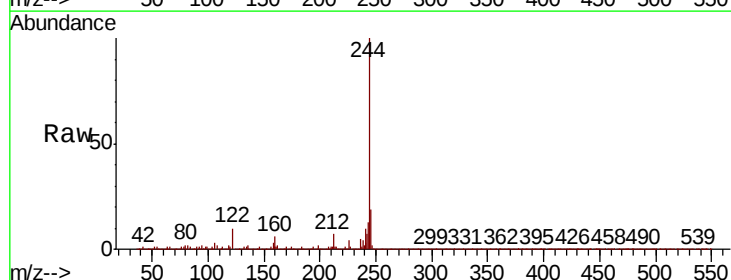
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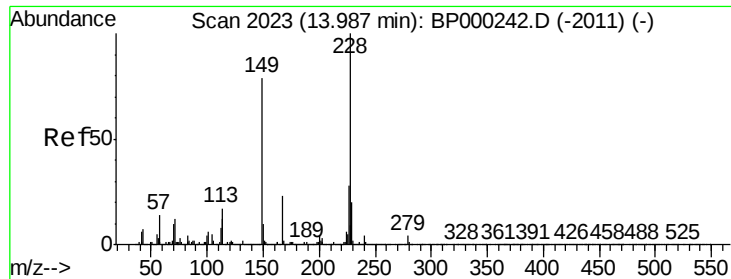
mohammad
9/17/2019 1:27:40 PM



#79
Terphenyl-d14
Concen: 49.864 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.9	8.9
122	9.9	9.0	13.4





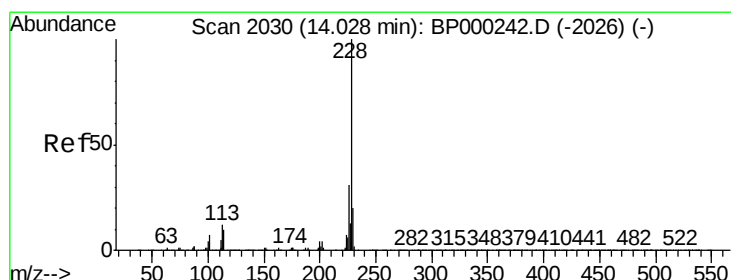
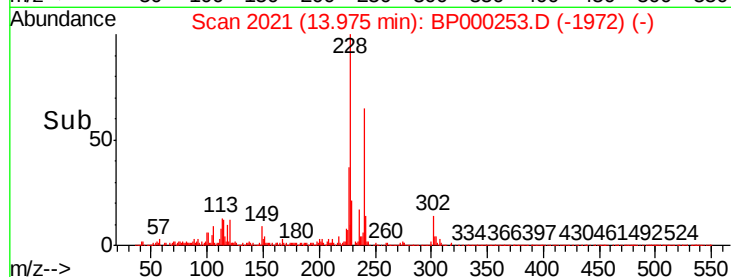
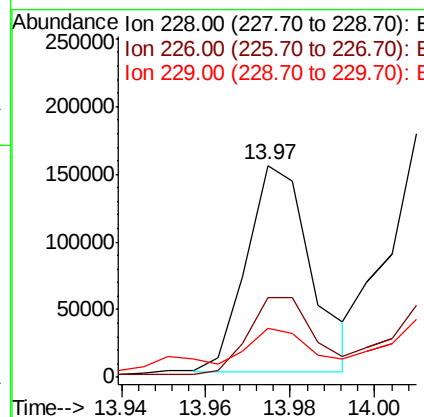
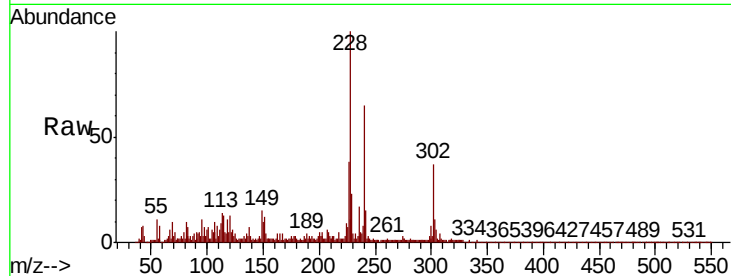
#81
Benzo(a)anthracene
Concen: 2.771 ng m
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Instrument :
BNA_P
ClientSampled :
CSA-2-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.8	22.2	33.4#
229	23.2	16.0	24.0

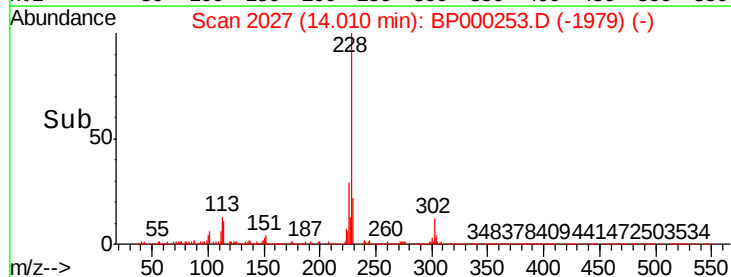
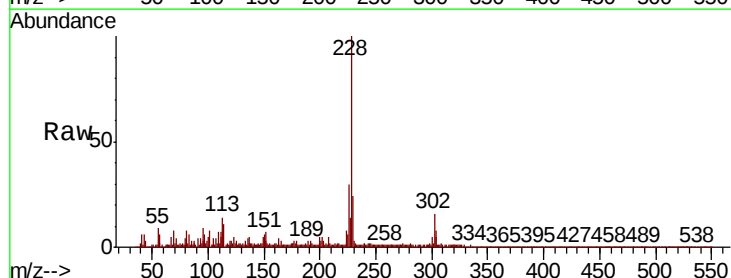
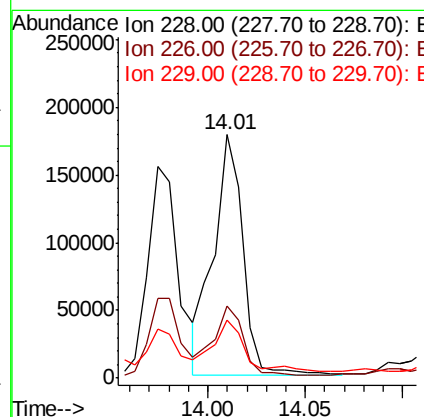
Manual Integrations
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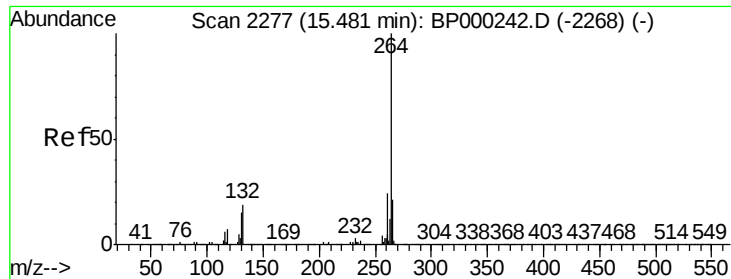
mohammad
9/17/2019 1:27:40 PM



#83
Chrysene
Concen: 3.261 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	23.7	16.2	24.2





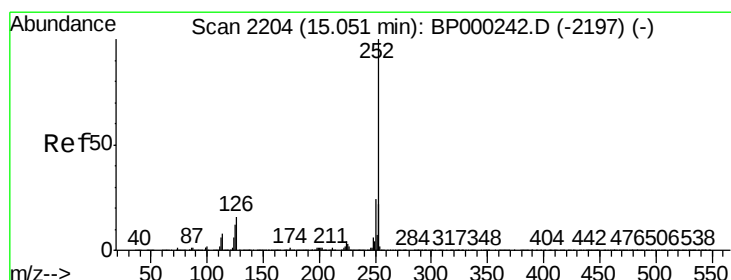
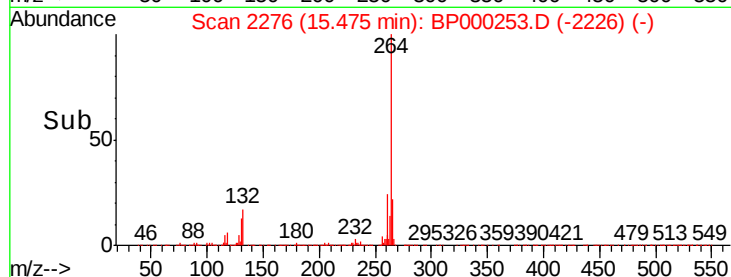
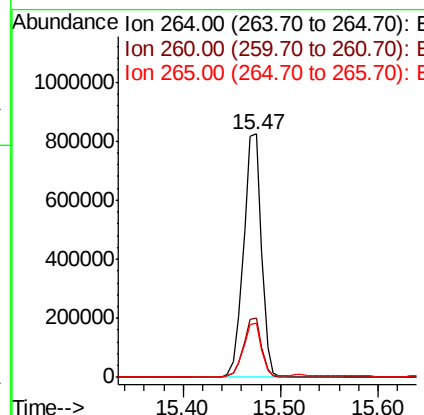
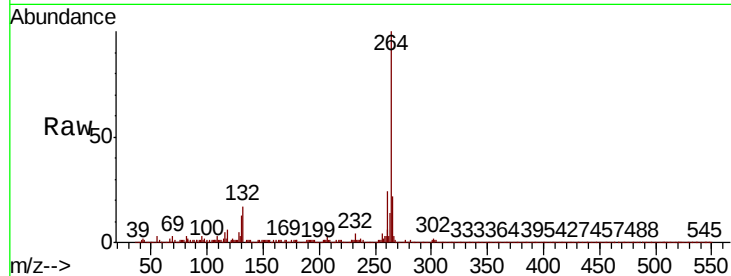
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Instrument :
BNA_P
ClientSampled :
CSA-2-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.9	28.3
265	22.1	17.2	25.8

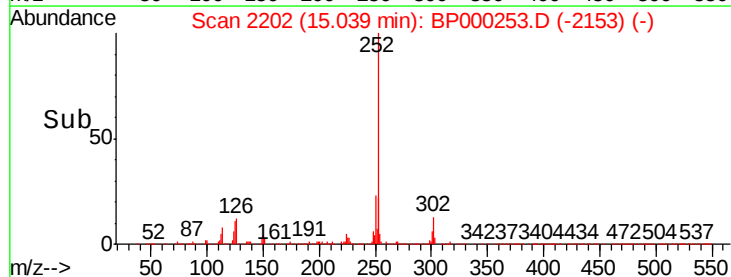
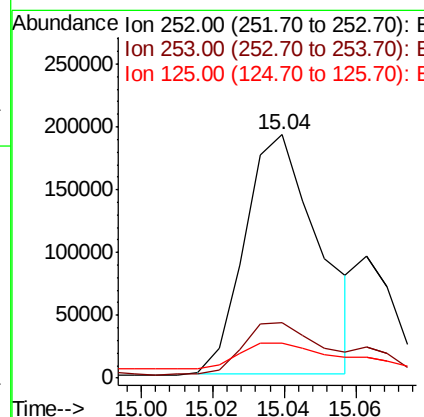
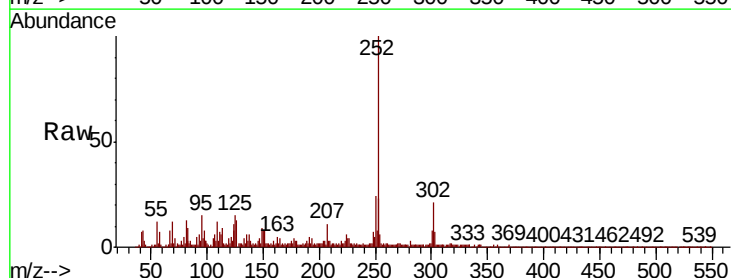
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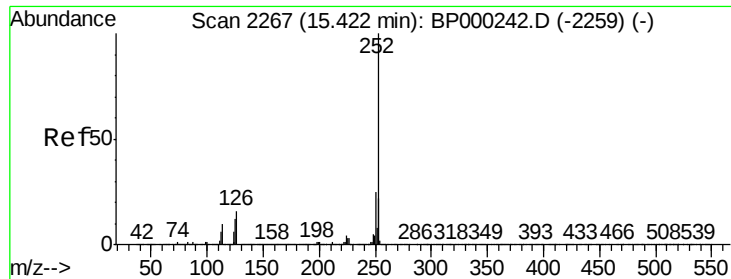
mohammad
9/17/2019 1:27:40 PM



#88
Benzo(b)fluoranthene
Concen: 4.421 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	14.6	9.5	14.3





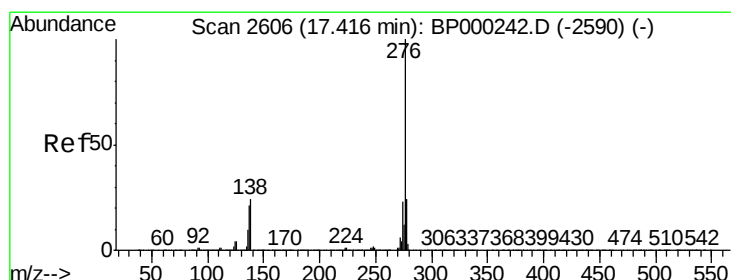
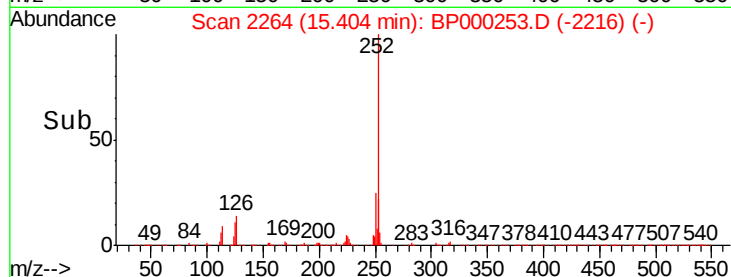
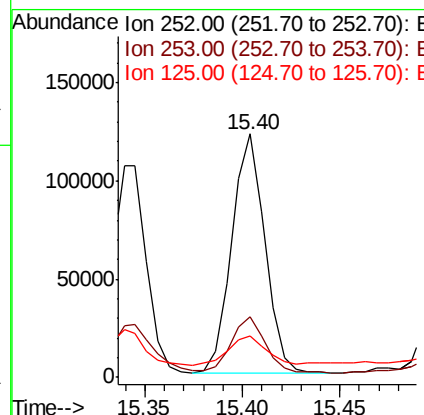
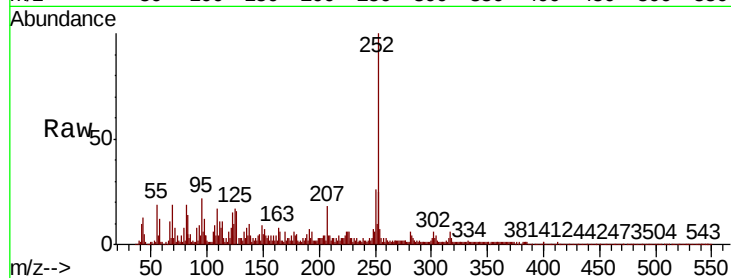
#90
Benzo(a)pyrene
Concen: 2.525 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Instrument :
BNA_P
ClientSampleId :
CSA-2-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	16.8	10.0	15.0

Manual Integrations
APPROVED

mohammad
9/17/2019 1:27:40 PM



#92
Benzo(g,h,i)perylene
Concen: 2.060 ng
RT: 17.39 min Scan# 2601
Delta R.T. -0.03 min
Lab File: BP000253.D
Acq: 16 Sep 2019 22:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.1	28.7
138	24.0	19.5	29.3

