

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
 Data File : BP000259.D
 Acq On : 17 Sep 2019 00:26
 Operator : HP/JU
 Sample : K4878-13 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleID :
 CSA-2-9

Manual Integrations
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mohammad
 9/17/2019 1:27:55 PM

Quant Time: Sep 17 07:33:03 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	396441	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1420042	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	752963	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1298491	20.00	ng	0.00
76) Chrysene-d12	14.00	240	929131	20.00	ng	0.00
87) Perylene-d12	15.49	264	920364	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	977785	42.58	ng	0.00
7) Phenol-d6	6.42	99	1223729	43.47	ng	0.00
23) Nitrobenzene-d5	7.35	82	607686	27.61	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	309452	41.43	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1301024	31.10	ng	0.00
79) Terphenyl-d14	12.93	244	1241100	28.02	ng	0.00

Target Compounds				Qvalue		
50) Dimethylphthalate	9.55	163	119796	2.335	ng	98
52) Acenaphthene	9.86	154	112965	2.725	ng	99
58) Fluorene	10.38	166	143538	3.172	ng	98
71) Phenanthrene	11.35	178	2292349	35.229	ng	99
72) Anthracene	11.40	178	754946	11.271	ng	99
73) Carbazole	11.55	167	190294	3.155	ng	99
75) Fluoranthene	12.56	202	3775347	54.032	ng	96
78) Pyrene	12.79	202	3423180	49.244	ng	98
81) Benzo(a)anthracene	13.99	228	2029464	34.579	ng	98
83) Chrysene	14.02	228	1545921	26.827	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	715021m	10.179	ng	
88) Benzo(b)fluoranthene	15.05	252	1858434m	33.848	ng	
89) Benzo(k)fluoranthene	15.07	252	608741m	12.710	ng	
90) Benzo(a)pyrene	15.42	252	1296544	25.952	ng	98
91) Dibenzo(a,h)anthracene	16.98	278	187847	4.033	ng	# 85
92) Benzo(g,h,i)perylene	17.42	276	624604	13.046	ng	97

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

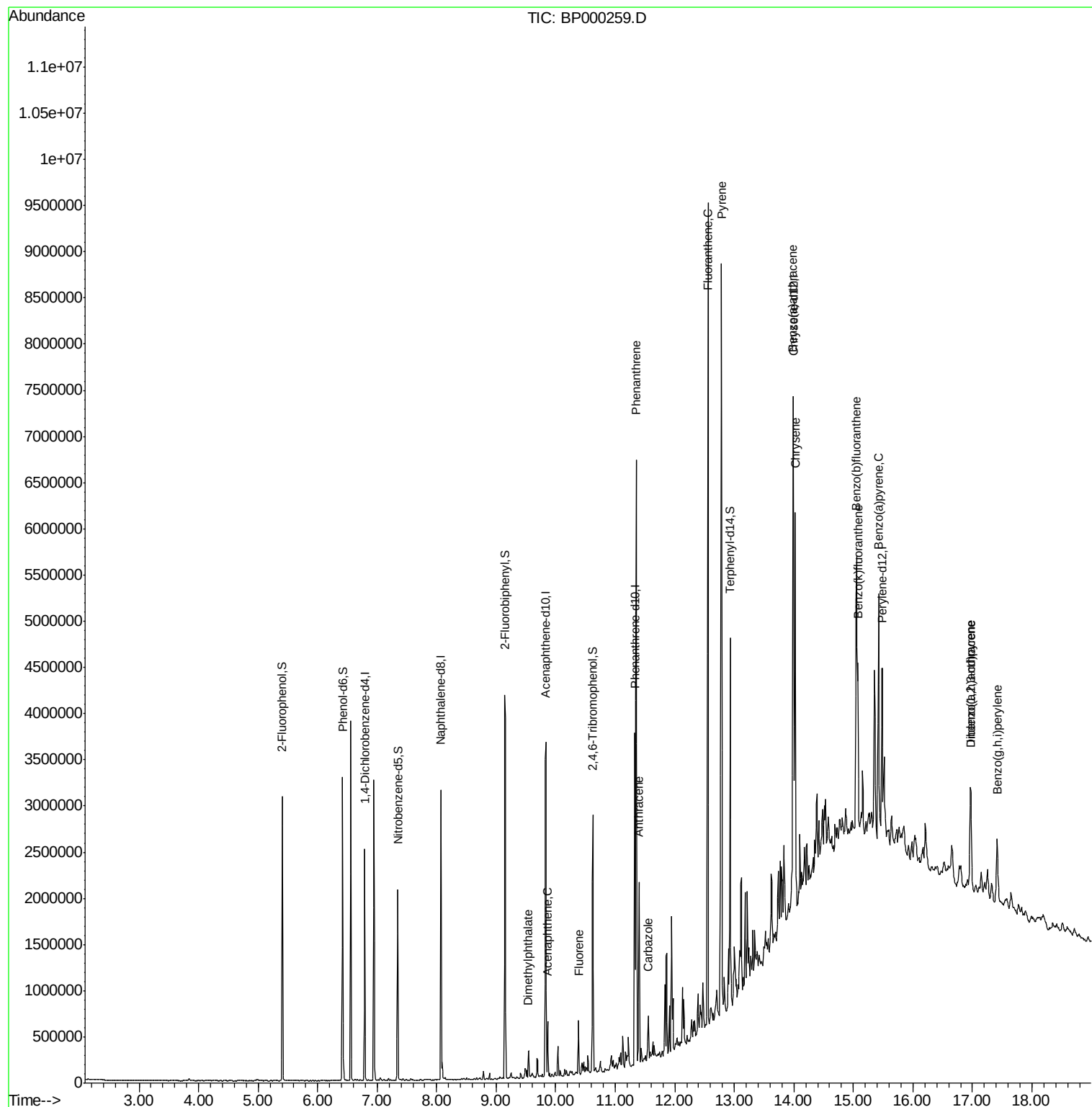
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
Data File : BP000259.D
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ALS Vial : 21 Sample Multiplier: 1

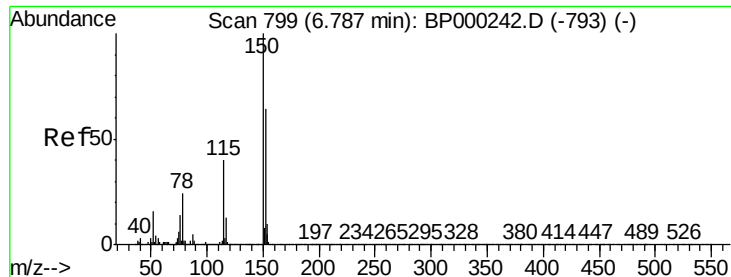
Instrument :
BNA_P
ClientSampled :
CSA-2-9

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

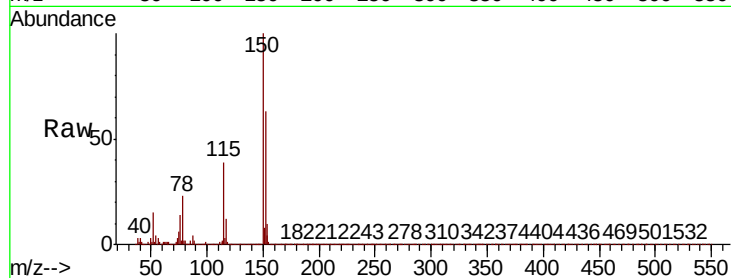
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000259.D
Acq: 17 Sep 2019 00:26

Instrument :
BNA_P
ClientSampled :
CSA-2-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	125.2	187.8
115	61.7	49.7	74.5

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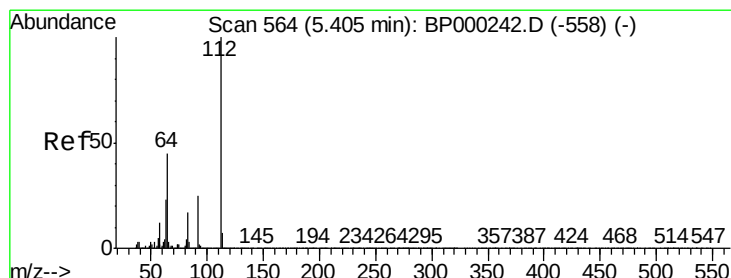
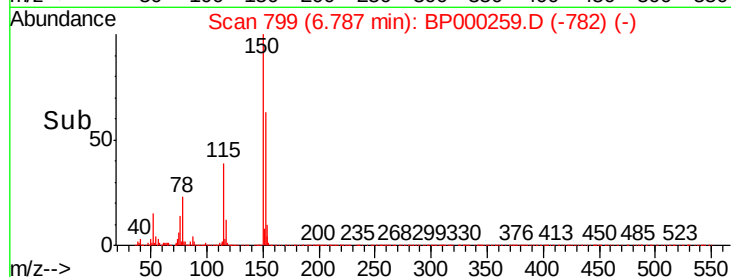
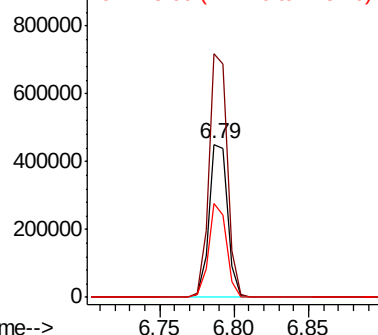


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

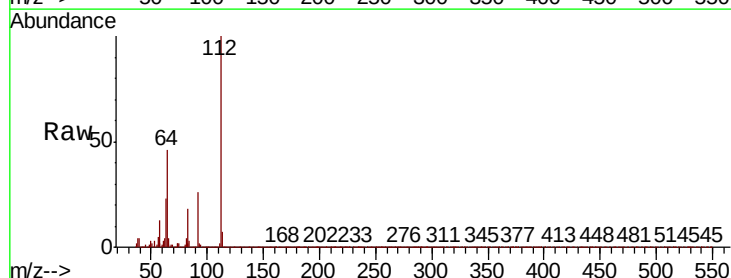
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.579 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BP000259.D
Acq: 17 Sep 2019 00:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.3	36.2	54.4
63	23.3	18.3	27.5

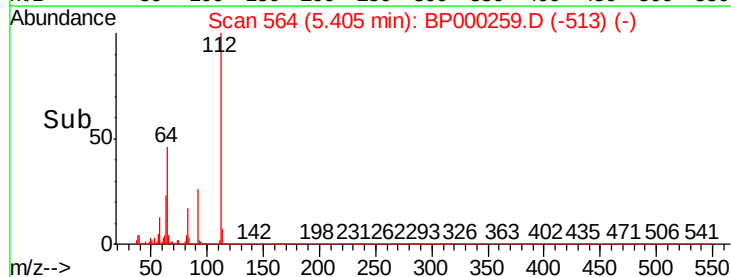
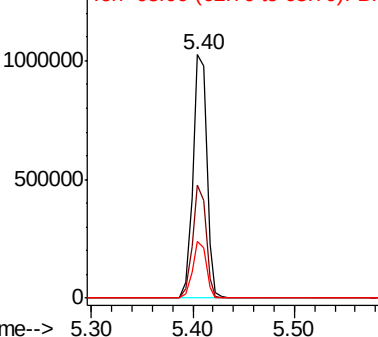


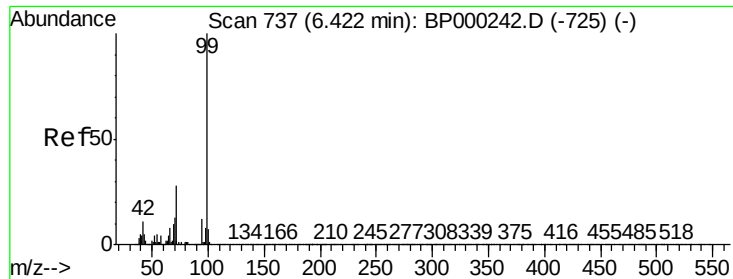
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 43.473 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BP000259.D

Acq: 17 Sep 2019 00:26

Instrument :

BNA_P

ClientSampleId :

CSA-2-9

Tot Ion: 99 Resp: 1223729

Ion Ratio Lower Upper

99 100

42 11.4 8.5 12.7

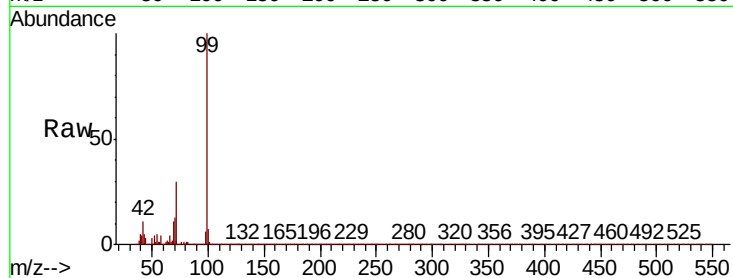
71 30.0 22.6 34.0

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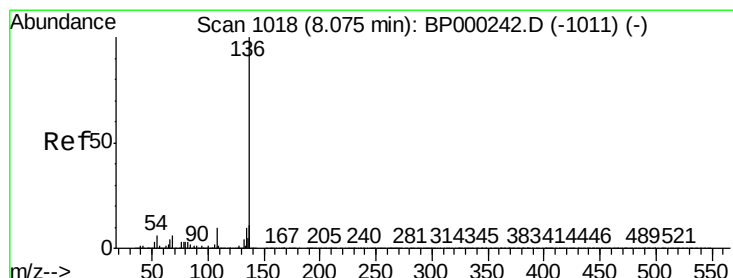
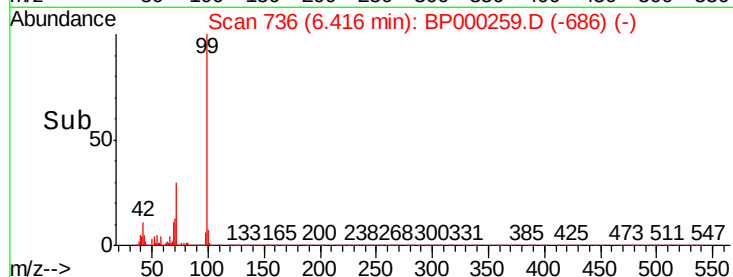
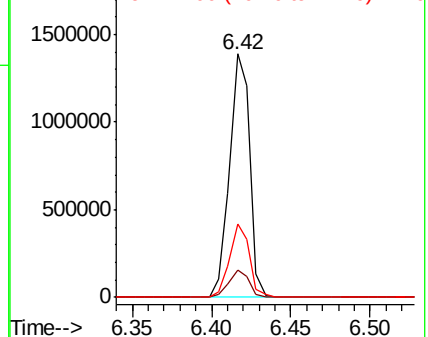
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Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BP000259.D

Acq: 17 Sep 2019 00:26

Tgt Ion: 136 Resp: 1420042

Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 6.1 4.5 6.7

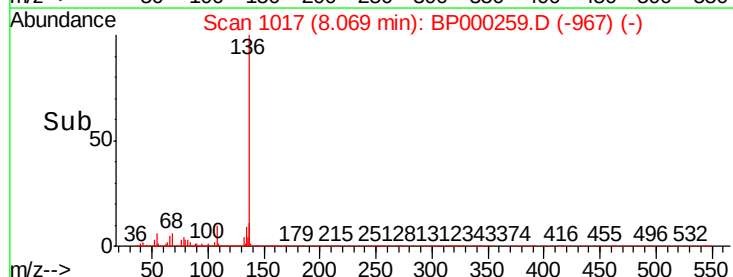
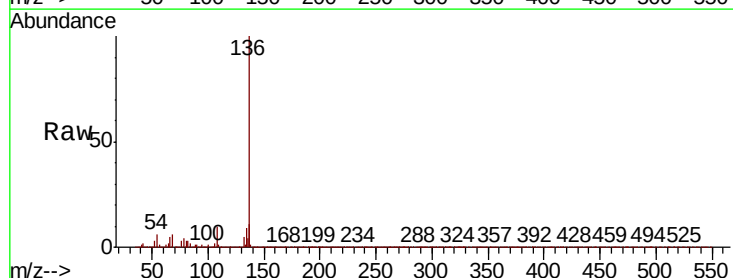
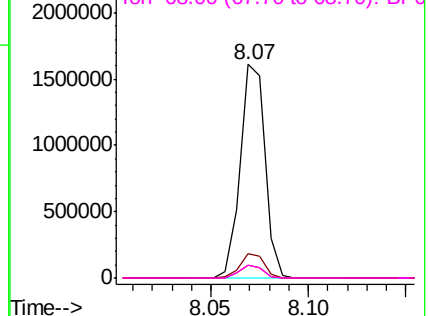
68 6.0 4.5 6.7

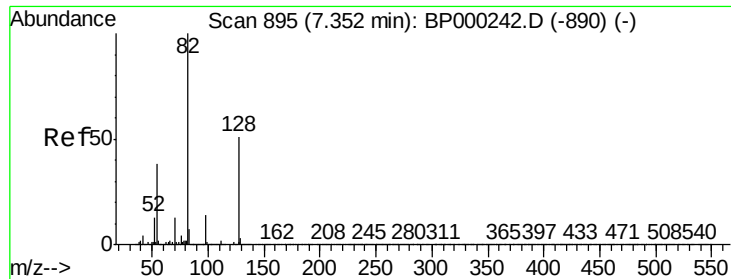
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0





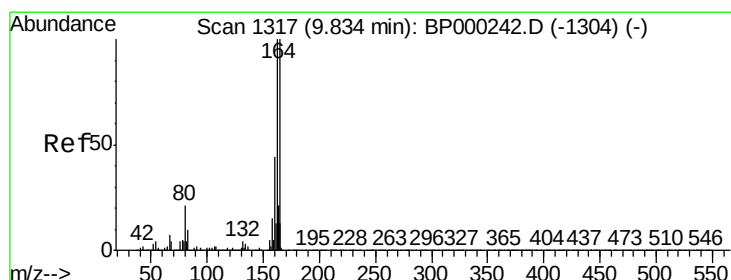
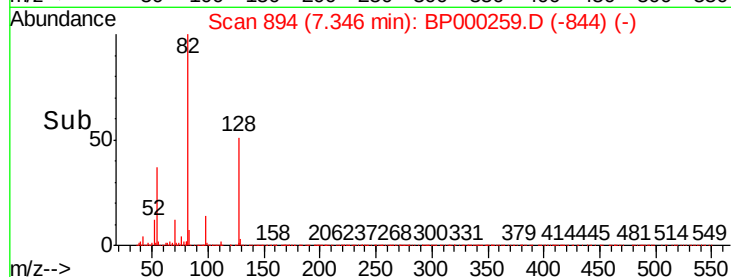
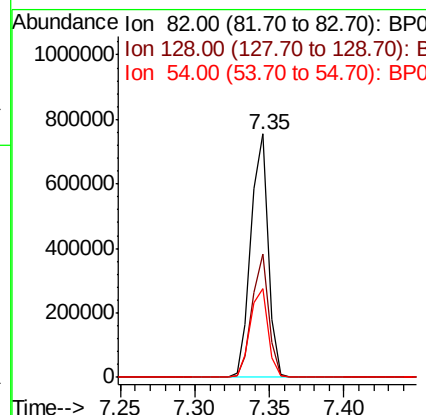
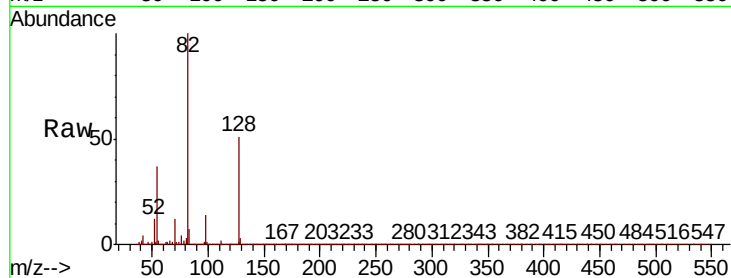
#23
 Nitrobenzene-d5
 Concen: 27.610 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BP000259.D
 Acq: 17 Sep 2019 00:26

Instrument :
 BNA_P
 ClientSampleId :
 CSA-2-9

Tot Ion	82	Resp	607686
Ion Ratio	Lower	Upper	
82	100		
128	50.8	40.7	61.1
54	36.7	30.1	45.1

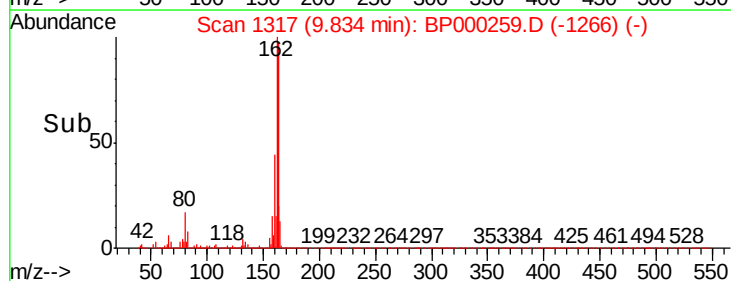
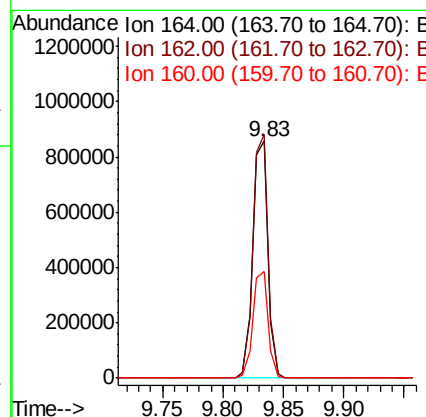
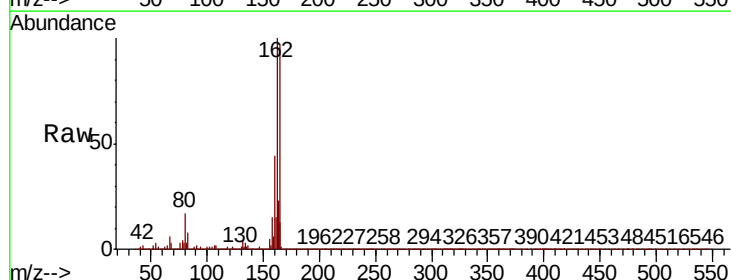
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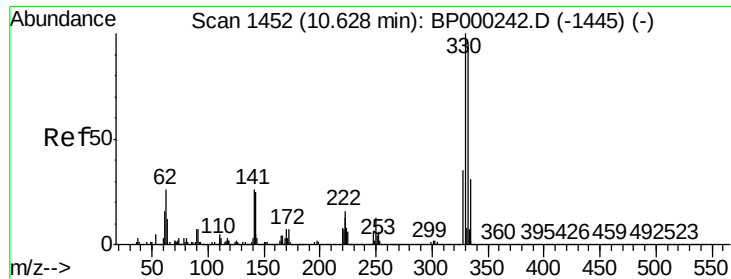
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: BP000259.D
 Acq: 17 Sep 2019 00:26

Tgt Ion	164	Resp	752963
Ion Ratio	Lower	Upper	
164	100		
162	102.8	79.9	119.9
160	45.3	35.6	53.4





#42

2,4,6-Tribromophenol

Concen: 41.435 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BP000259.D

Acq: 17 Sep 2019 00:26

Instrument :

BNA_P

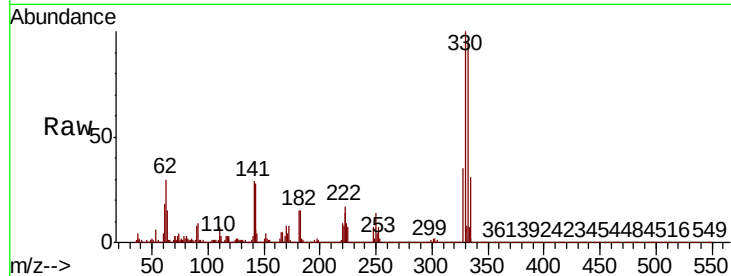
ClientSampled :

CSA-2-9

Tot Ion:	330	Resp:	309452
Ion Ratio	Lower	Upper	
330	100		
332	96.4	76.6	115.0
141	32.5	26.5	39.7

Manual Integrations
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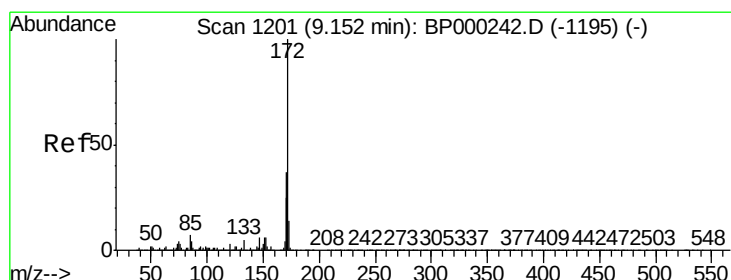
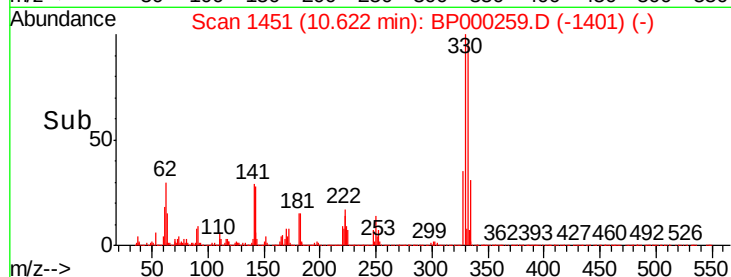
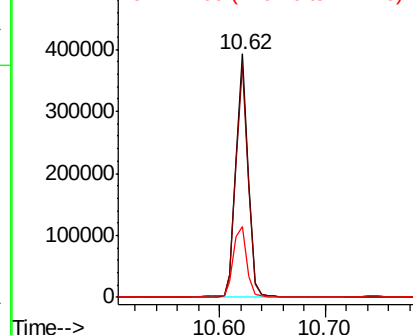


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 31.098 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.00 min

Lab File: BP000259.D

Acq: 17 Sep 2019 00:26

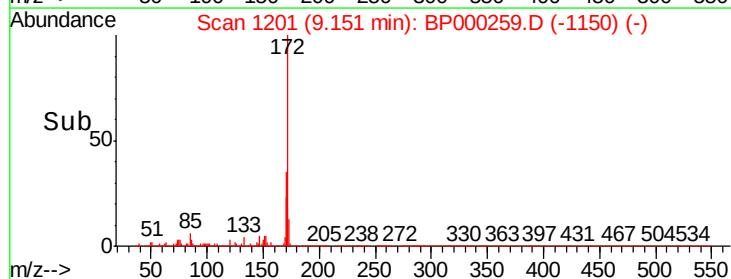
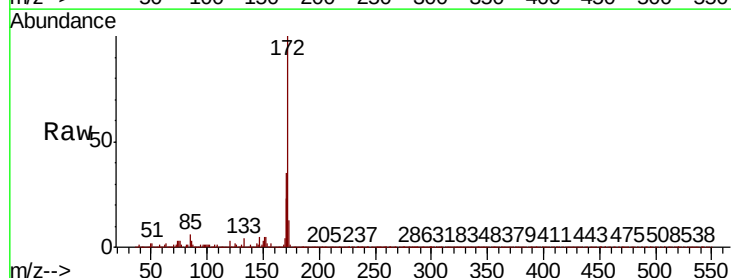
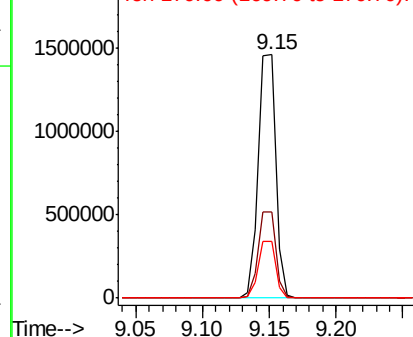
Tgt Ion:	172	Resp:	1301024
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.8	44.6
170	23.2	19.8	29.6

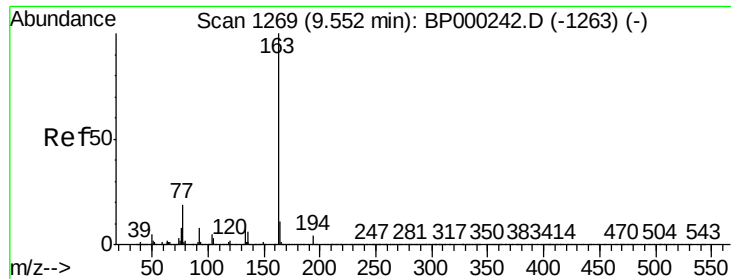
Abundance

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





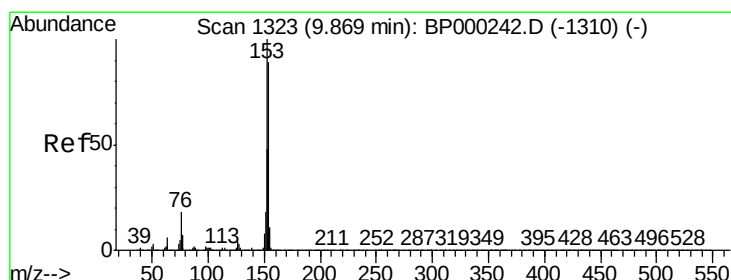
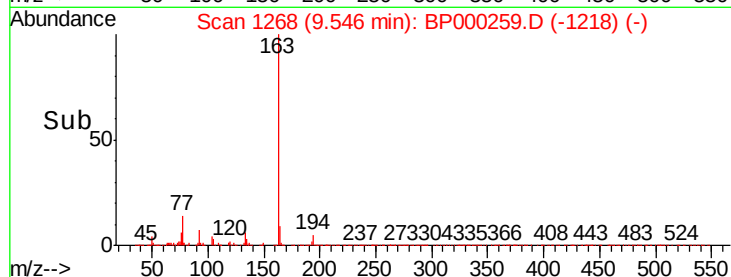
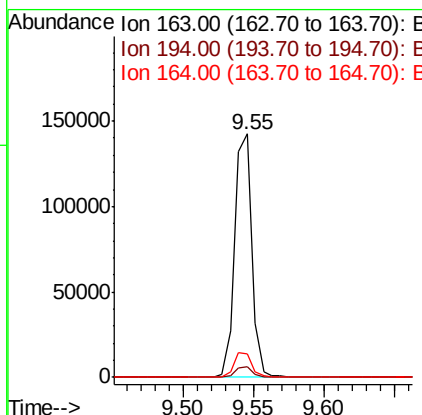
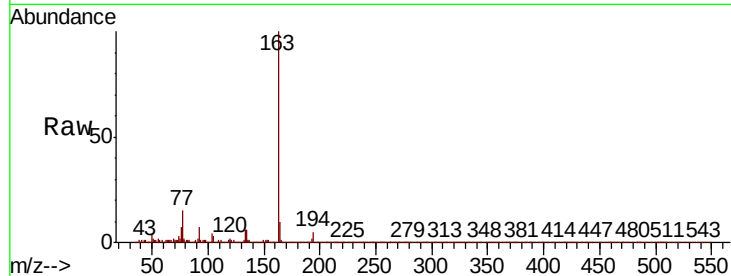
#50
Dimethylphthalate
Concen: 2.335 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000259.D
Acq: 17 Sep 2019 00:26

Instrument :
BNA_P
ClientSampleId :
CSA-2-9

Tot Ion	Ratio	Resp	Lower	Upper
163	100	119796		
194	4.6		3.4	5.0
164	9.6		8.5	12.7

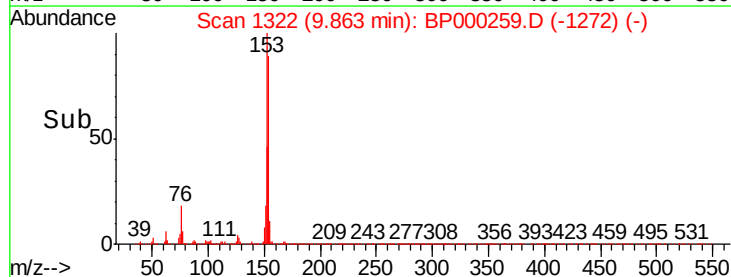
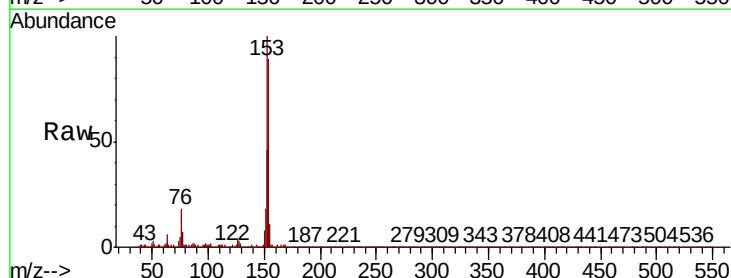
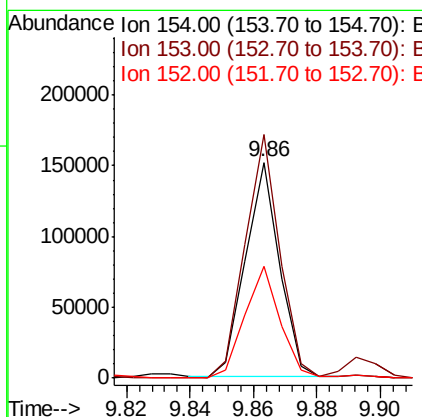
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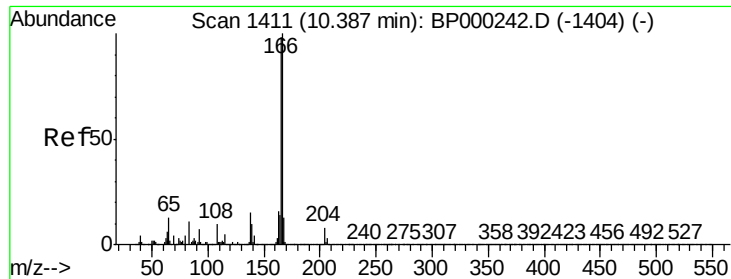
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#52
Acenaphthene
Concen: 2.725 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BP000259.D
Acq: 17 Sep 2019 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	112965		
153	112.9		89.8	134.6
152	52.1		43.4	65.0





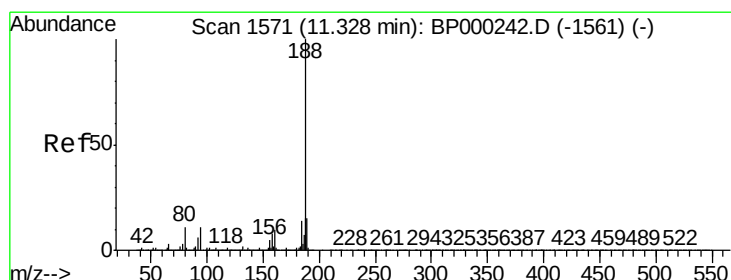
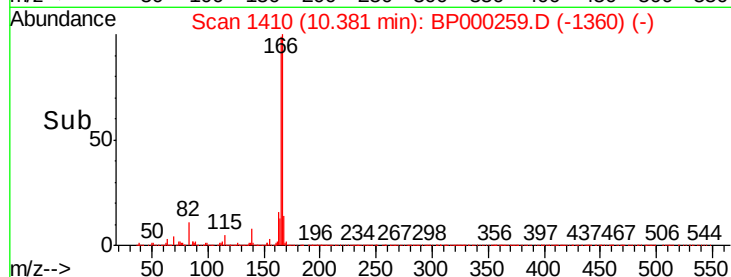
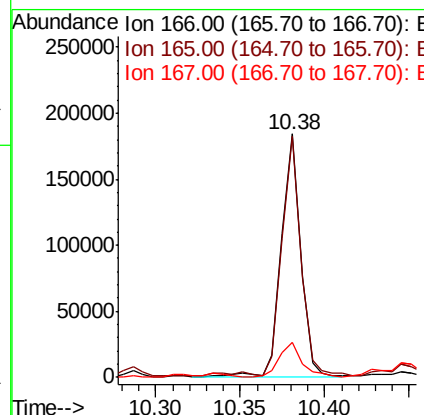
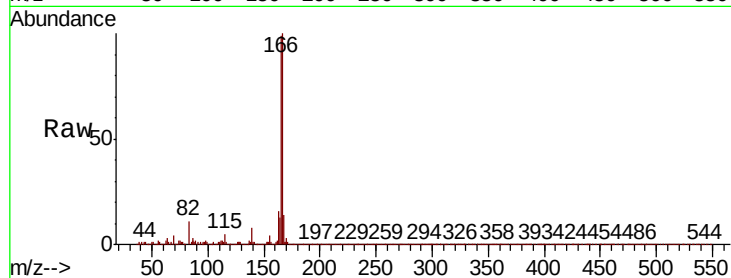
#58
 Fluorene
 Concen: 3.172 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BP000259.D
 Acq: 17 Sep 2019 00:26

Instrument :
 BNA_P
 ClientSampled :
 CSA-2-9

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.2	117.2
167	14.4	10.7	16.1

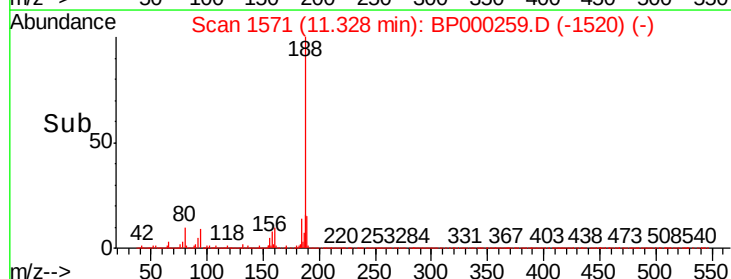
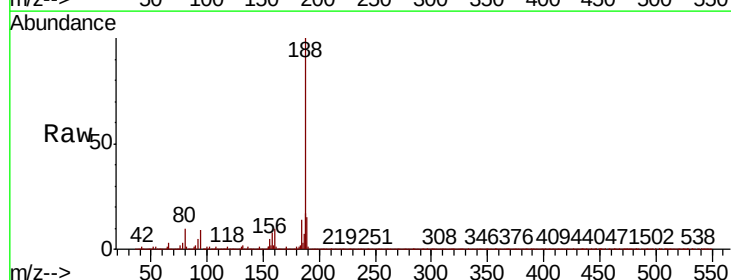
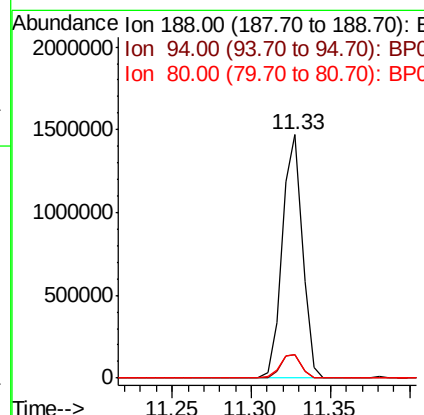
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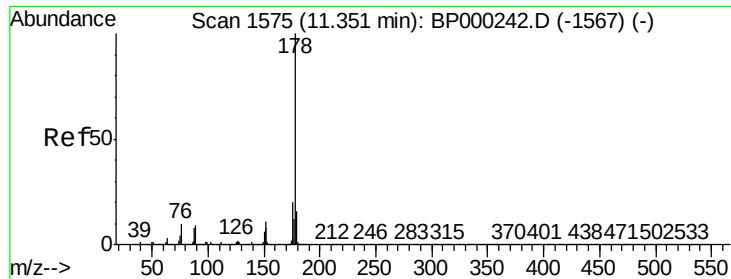
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BP000259.D
 Acq: 17 Sep 2019 00:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	9.6	8.6	13.0





#71

Phenanthrene

Concen: 35.229 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BP000259.D

Acq: 17 Sep 2019 00:26

Instrument :

BNA_P

ClientSampleId :

CSA-2-9

Tot Ion:178 Resp: 2292349

Ion Ratio Lower Upper

178 100

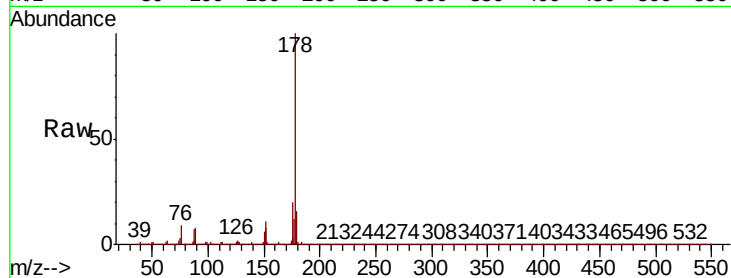
176 20.3 15.8 23.8

179 15.9 12.7 19.1

Manual Integrations
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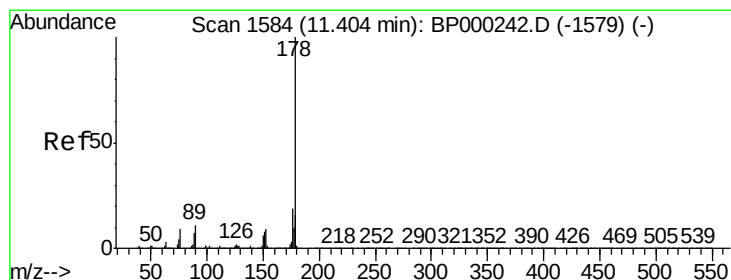
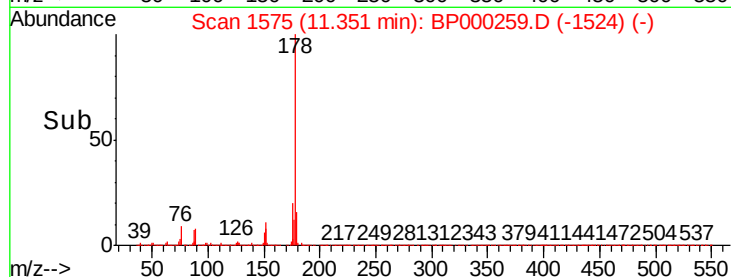
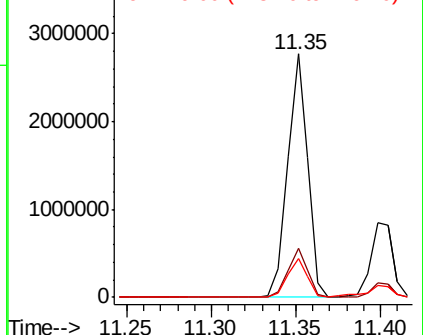
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 11.271 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BP000259.D

Acq: 17 Sep 2019 00:26

Tgt Ion:178 Resp: 754946

Ion Ratio Lower Upper

178 100

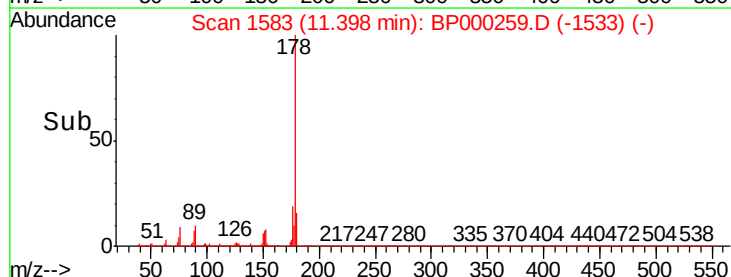
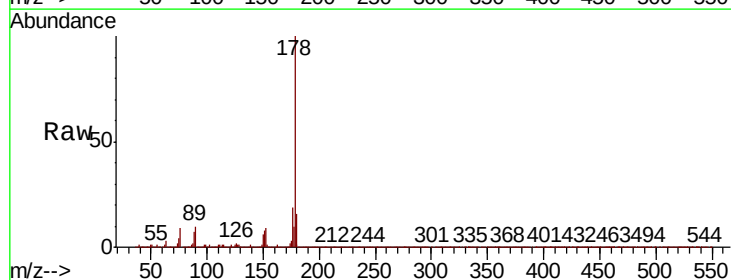
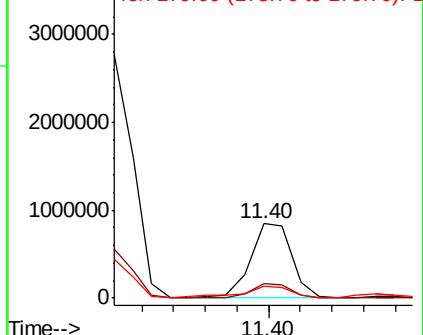
176 18.7 15.4 23.0

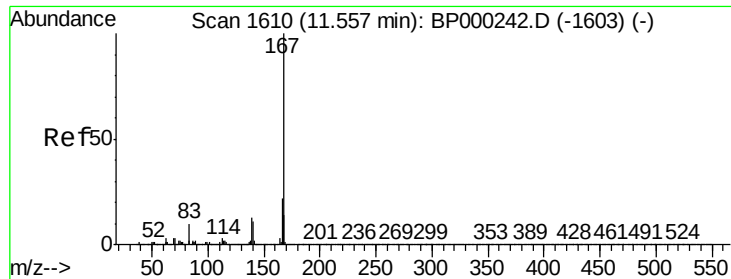
179 16.2 12.7 19.1

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





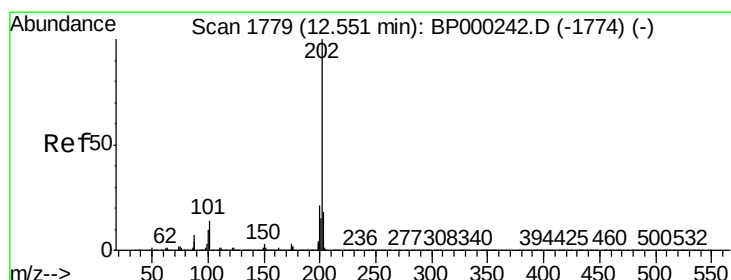
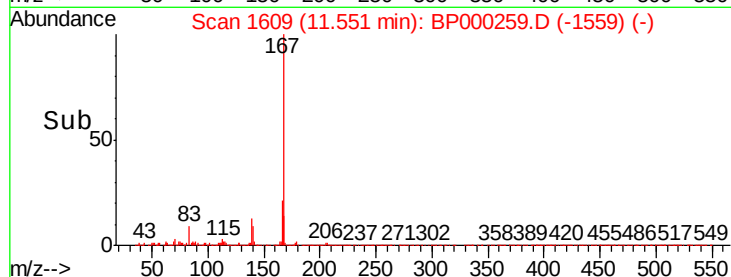
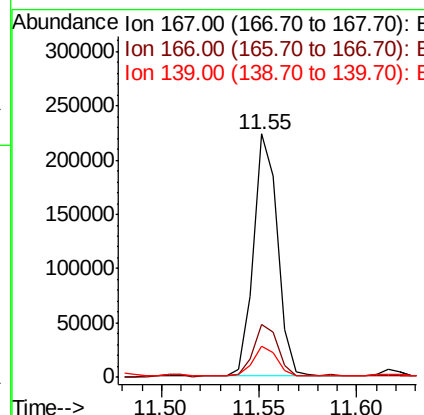
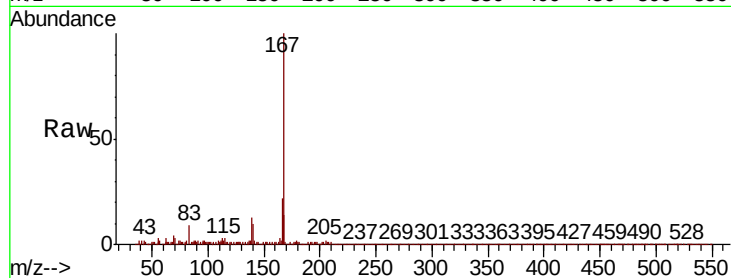
#73
 Carbazole
 Concen: 3.155 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BP000259.D
 Acq: 17 Sep 2019 00:26

Instrument :
 BNA_P
 ClientSampleId :
 CSA-2-9

Tot Ion:	167	Resp:	190294
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.8	26.8
139	12.9	10.8	16.2

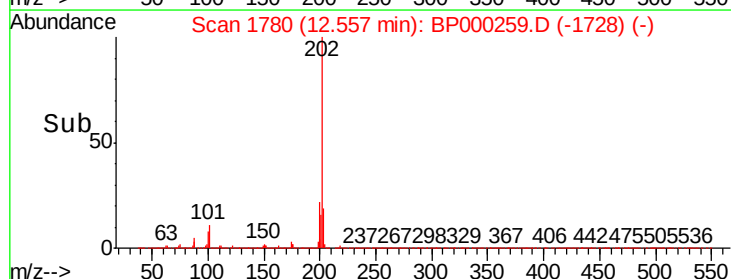
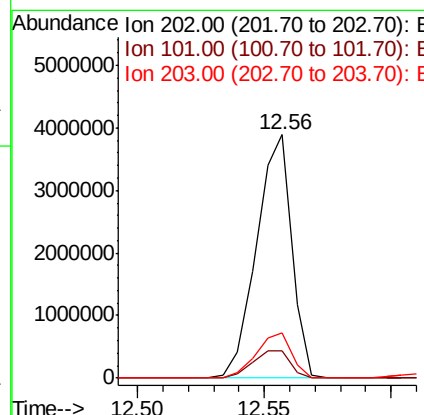
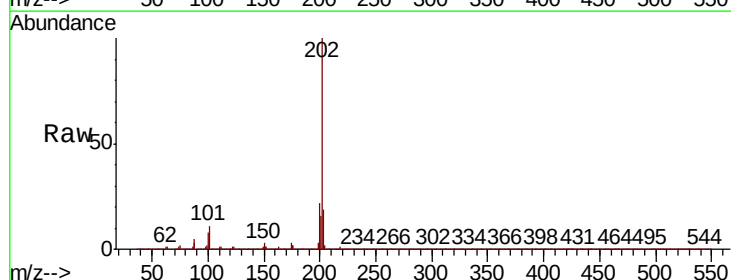
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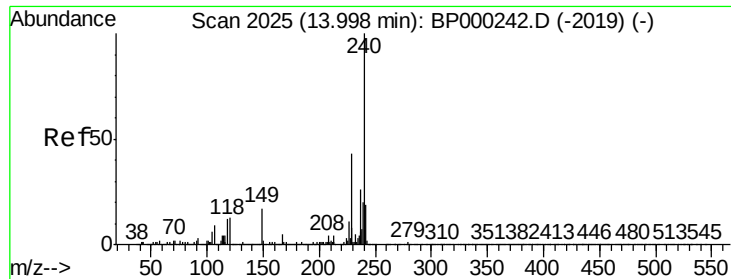
mohammad
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#75
 Fluoranthene
 Concen: 54.032 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. 0.01 min
 Lab File: BP000259.D
 Acq: 17 Sep 2019 00:26

Tgt Ion:	202	Resp:	3775347
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	33.9
203	18.6	0.0	38.0





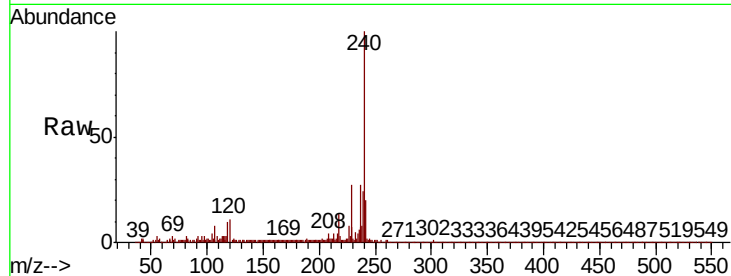
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BP000259.D
Acq: 17 Sep 2019 00:26

Instrument :
BNA_P
ClientSampled :
CSA-2-9

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.4	15.6
236	27.0	21.0	31.6

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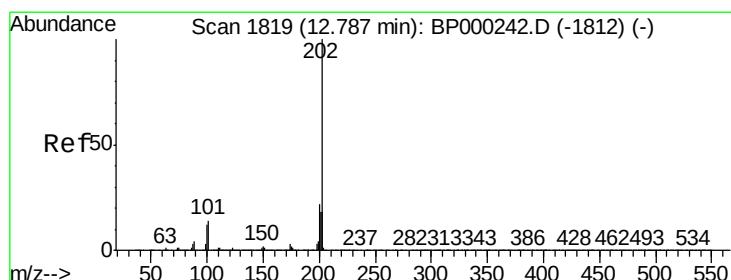
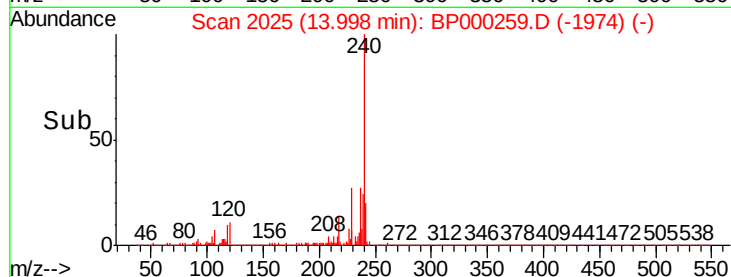
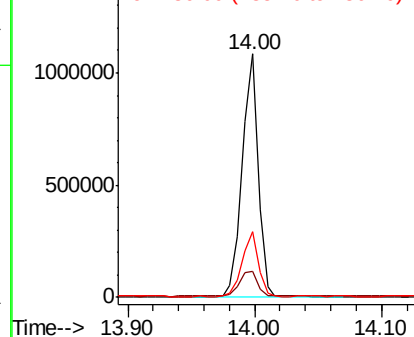


Abundance

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



#78
Pyrene
Concen: 49.244 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BP000259.D
Acq: 17 Sep 2019 00:26

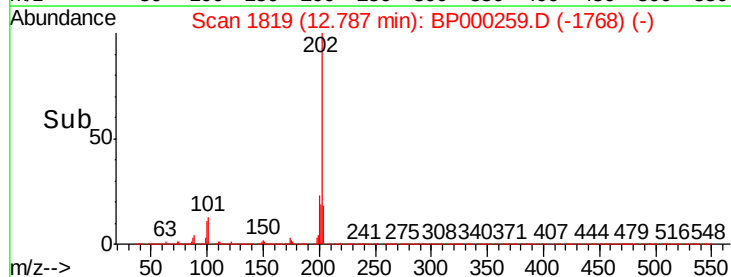
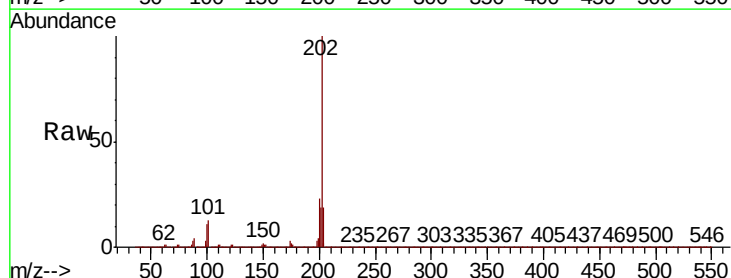
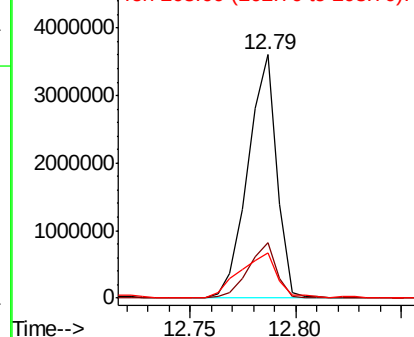
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.5	26.3
203	18.8	14.3	21.5

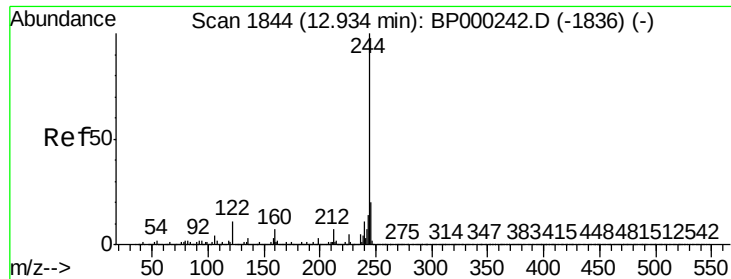
Abundance

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





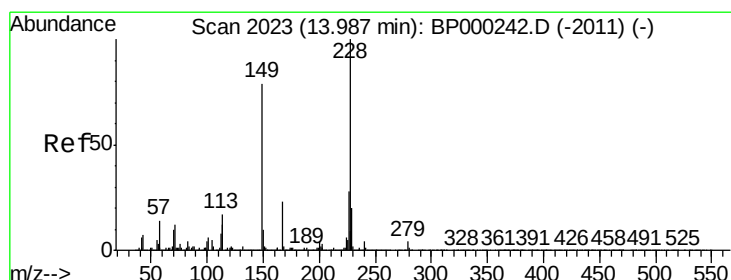
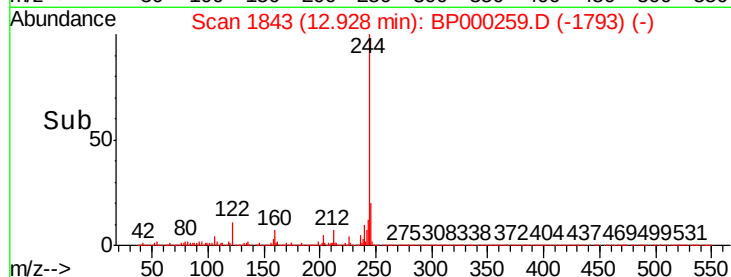
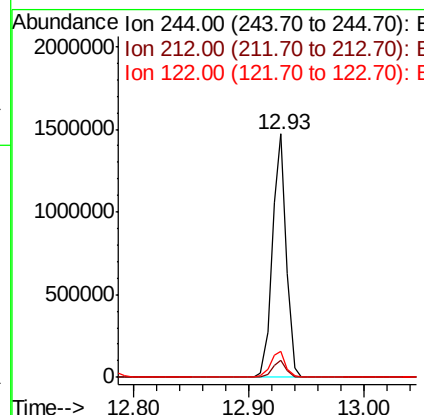
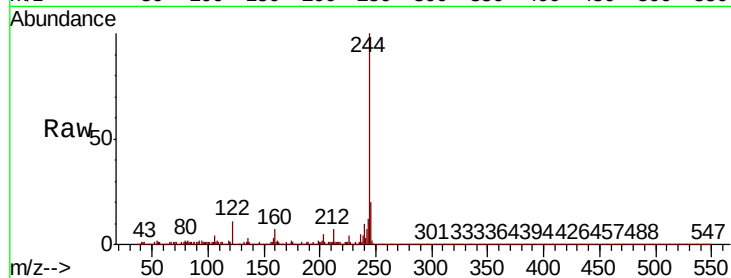
#79
 Terphenyl-d14
 Concen: 28.022 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BP000259.D
 Acq: 17 Sep 2019 00:26

Instrument :
 BNA_P
 ClientSampleId :
 CSA-2-9

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	10.9	9.0	13.4

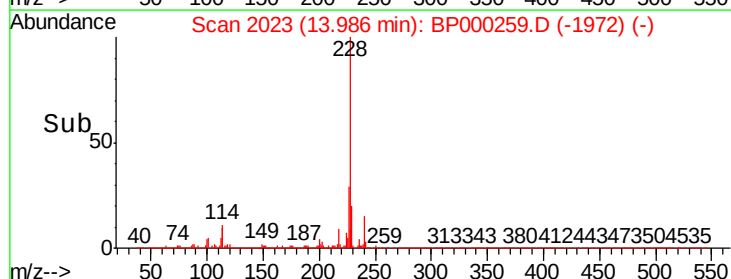
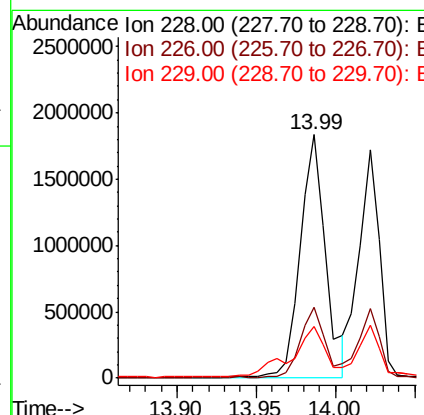
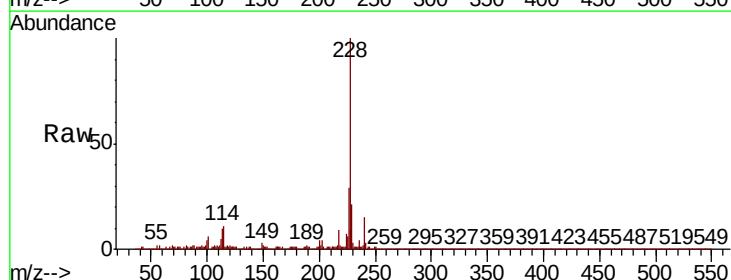
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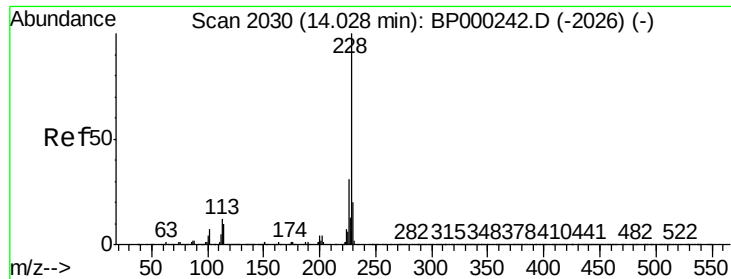
mohammad
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#81
 Benzo(a)anthracene
 Concen: 34.579 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.00 min
 Lab File: BP000259.D
 Acq: 17 Sep 2019 00:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.2	33.4
229	21.1	16.0	24.0





#83

Chrysene

Concen: 26.827 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BP000259.D

Acq: 17 Sep 2019 00:26

Instrument :

BNA_P

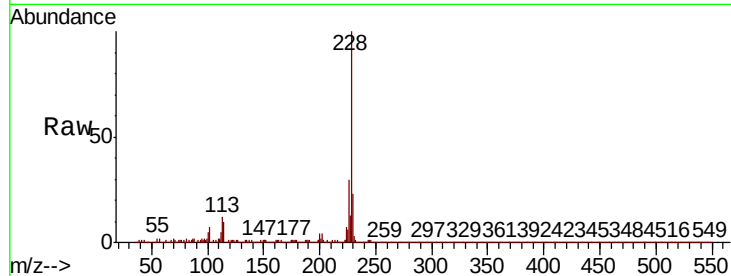
ClientSampled :

CSA-2-9

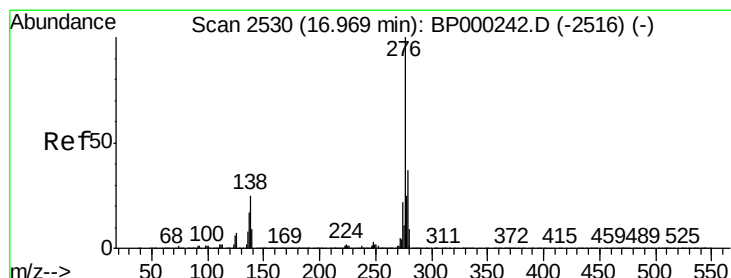
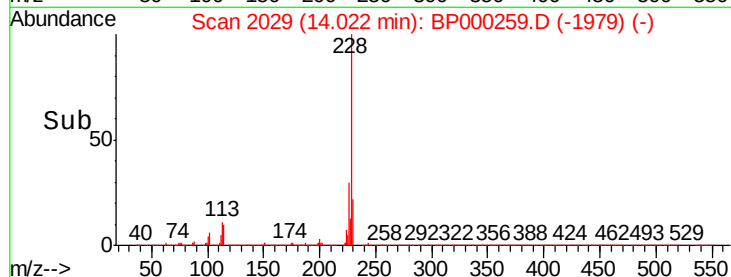
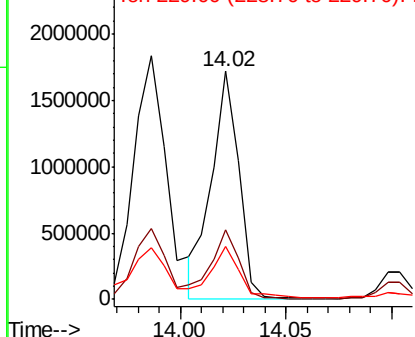
Tot Ion:	228	Resp:	1545921
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.9	37.3
229	22.9	16.2	24.2

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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



#86

Indeno(1,2,3-cd)pyrene

Concen: 10.179 ng m

RT: 16.97 min Scan# 2530

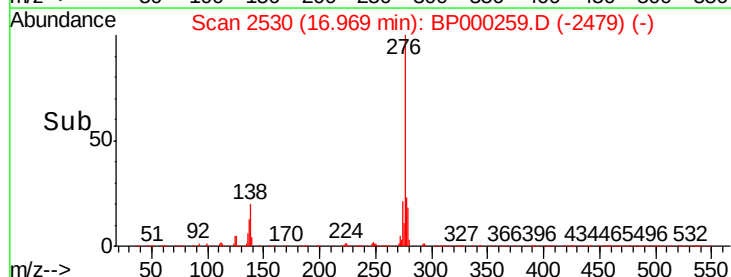
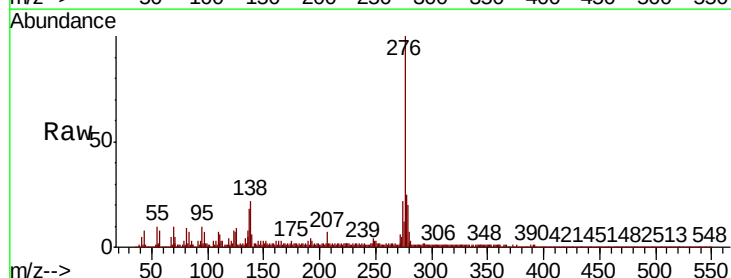
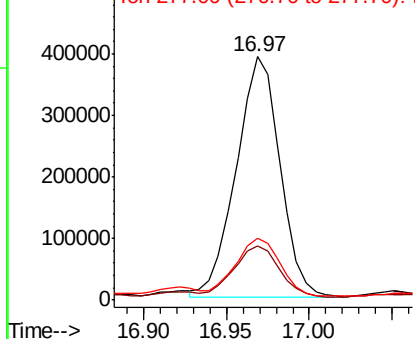
Delta R.T. -0.00 min

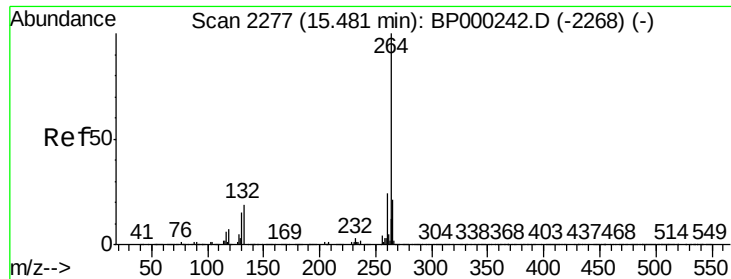
Lab File: BP000259.D

Acq: 17 Sep 2019 00:26

Tgt Ion:	276	Resp:	715021
Ion Ratio	Lower	Upper	
276	100		
138	4.6	22.6	33.8#
277	5.1	20.4	30.6#

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BP000259.D

Acq: 17 Sep 2019 00:26

Instrument :

BNA_P

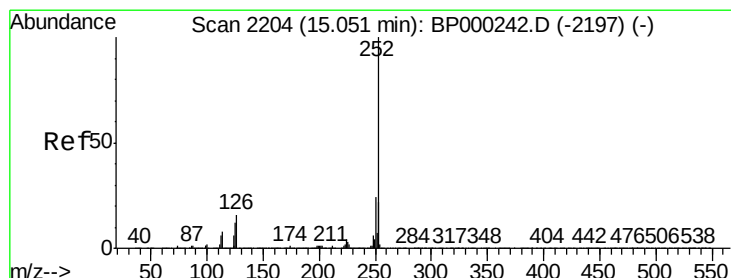
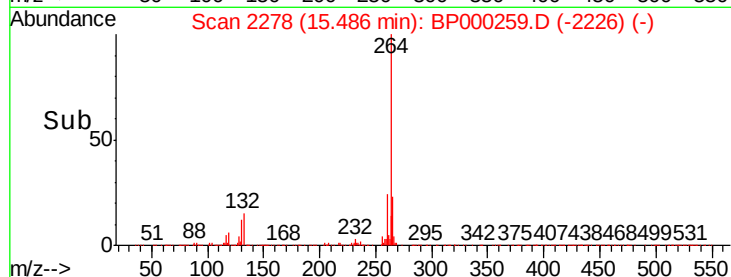
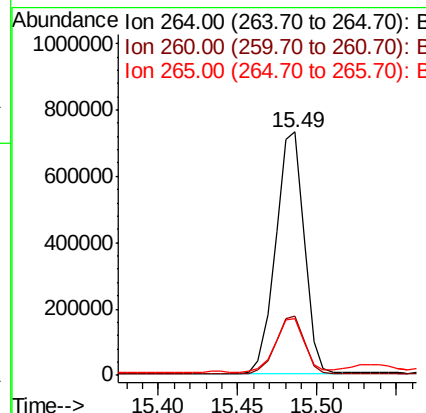
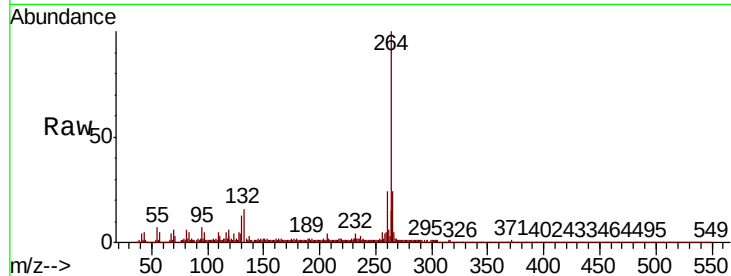
ClientSampleId :

CSA-2-9

Tot Ion:	264	Resp:	920364
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.9	28.3
265	23.5	17.2	25.8

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#88

Benzo(b)fluoranthene

Concen: 33.848 ng m

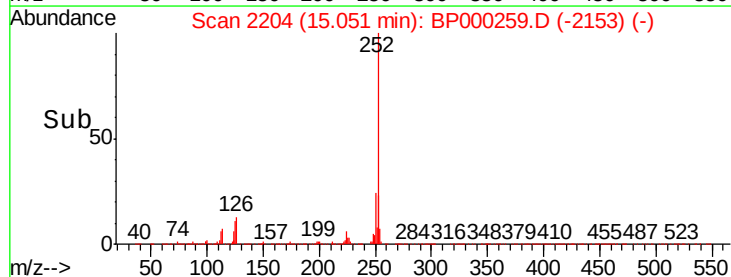
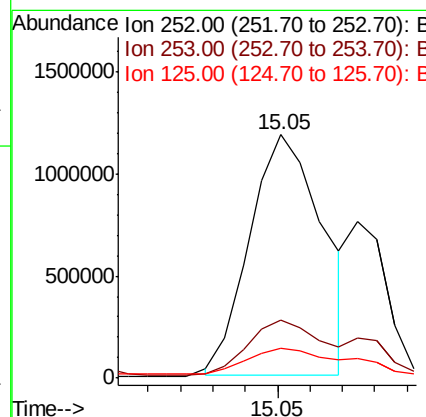
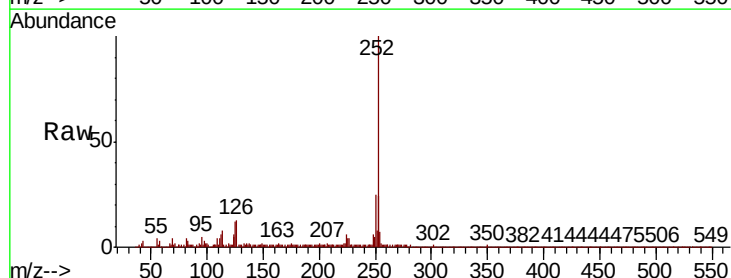
RT: 15.05 min Scan# 2204

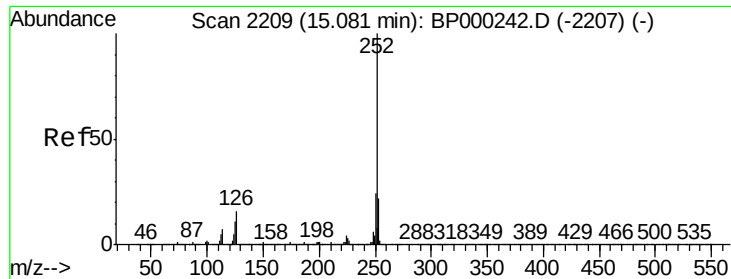
Delta R.T. -0.00 min

Lab File: BP000259.D

Acq: 17 Sep 2019 00:26

Tgt Ion:	252	Resp:	1858434
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.6
125	12.1	9.5	14.3





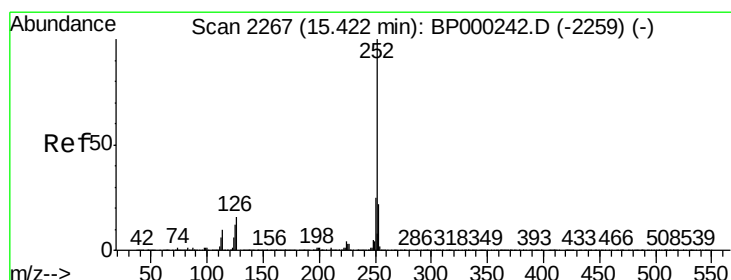
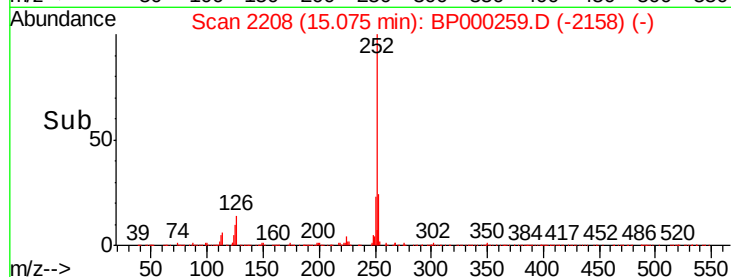
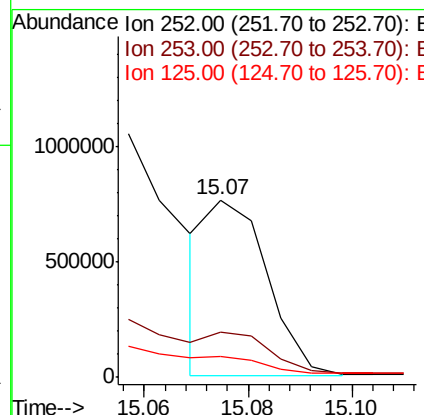
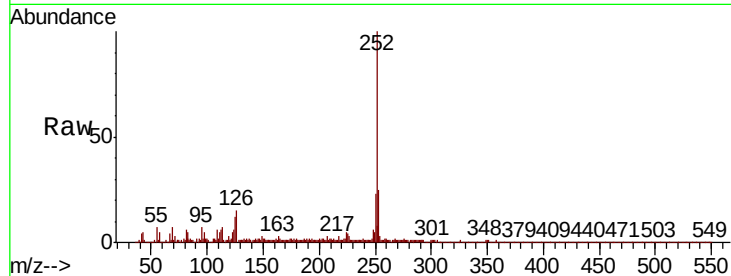
#89
Benzo(k)fluoranthene
Concen: 12.710 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BP000259.D
Acq: 17 Sep 2019 00:26

Instrument :
BNA_P
ClientSampled :
CSA-2-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.8
125	12.1	9.6	14.4

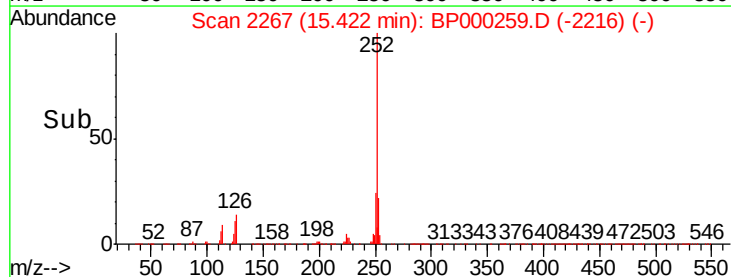
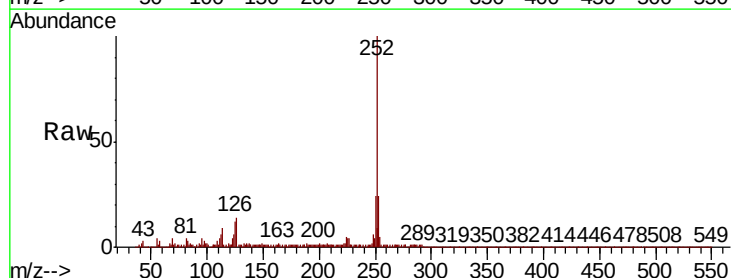
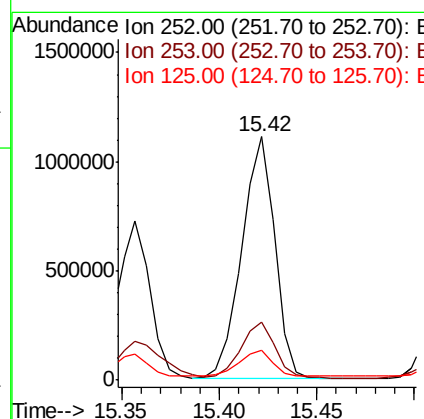
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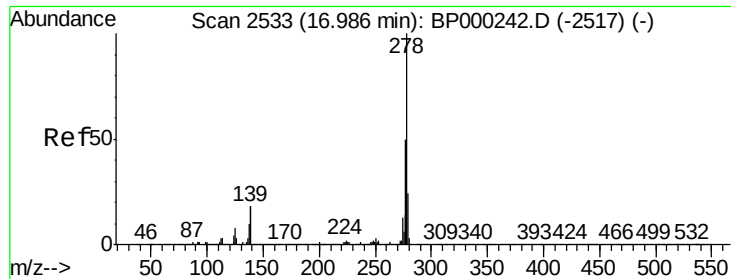
mohammad
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#90
Benzo(a)pyrene
Concen: 25.952 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BP000259.D
Acq: 17 Sep 2019 00:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	12.2	10.0	15.0





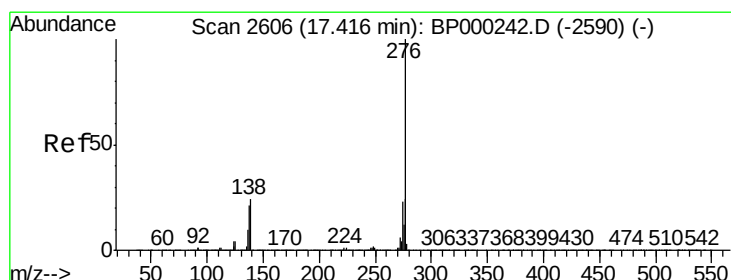
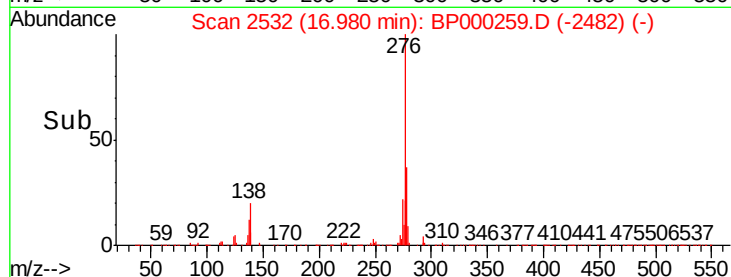
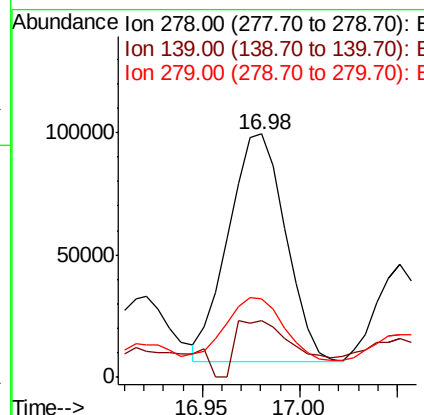
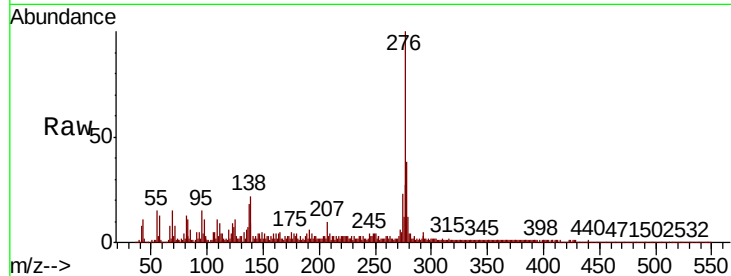
#91
Dibenzo(a,h)anthracene
Concen: 4.033 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BP000259.D
Acq: 17 Sep 2019 00:26

Instrument :
BNA_P
ClientSampled :
CSA-2-9

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.4	14.5	21.7#
279	32.1	19.0	28.6#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 13.046 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.00 min
Lab File: BP000259.D
Acq: 17 Sep 2019 00:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.1	28.7
138	23.2	19.5	29.3

