

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
 Data File : BP000266.D
 Acq On : 17 Sep 2019 12:36
 Operator : HP/JU
 Sample : K4863-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CSA-4-7

Manual Integrations
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mohammad
 9/19/2019 4:45:53 PM

Quant Time: Sep 18 07:25:26 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	327449	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1200694	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	641965	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1129897	20.00	ng	0.00
76) Chrysene-d12	13.99	240	931263	20.00	ng	0.00
87) Perylene-d12	15.48	264	814180	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	431754	22.76	ng	0.00
7) Phenol-d6	6.42	99	552816	23.78	ng	0.00
23) Nitrobenzene-d5	7.34	82	275575	14.81	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	150317	23.61	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	680686	19.08	ng	0.00
79) Terphenyl-d14	12.93	244	740291	16.68	ng	0.00
Target Compounds						
71) Phenanthrene	11.35	178	365808	6.461	ng	99
75) Fluoranthene	12.55	202	646680	10.636	ng	96
78) Pyrene	12.78	202	586941	8.424	ng	99
81) Benzo(a)anthracene	13.98	228	317528	5.398	ng	93
83) Chrysene	14.02	228	302195m	5.232	ng	
88) Benzo(b)fluoranthene	15.05	252	312756m	6.439	ng	
89) Benzo(k)fluoranthene	15.07	252	119628m	2.824	ng	
90) Benzo(a)pyrene	15.42	252	211306	4.781	ng	# 87
92) Benzo(g,h,i)perylene	17.42	276	115768	2.733	ng	# 92

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

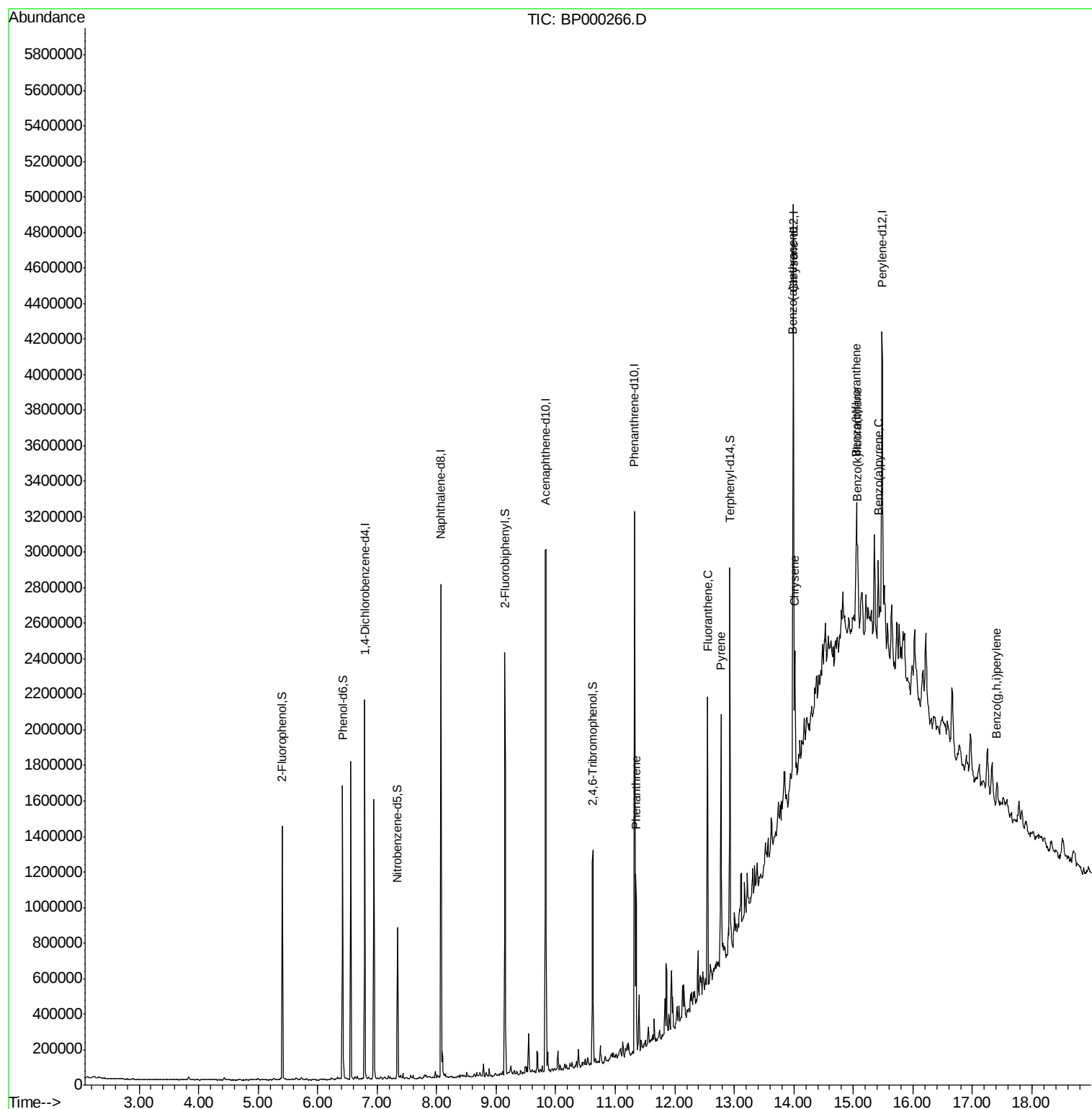
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000266.D
Acq On : 17 Sep 2019 12:36
Operator : HP/JU
Sample : K4863-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

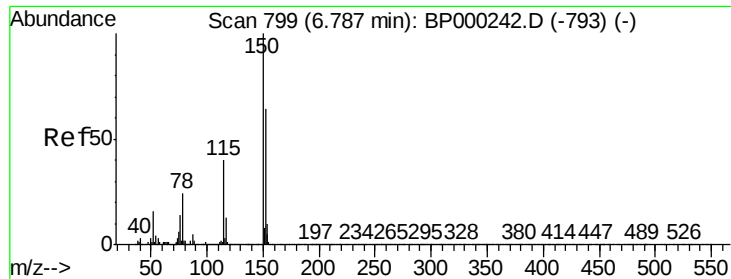
Instrument :
BNA_P
ClientSampleId :
CSA-4-7

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#1

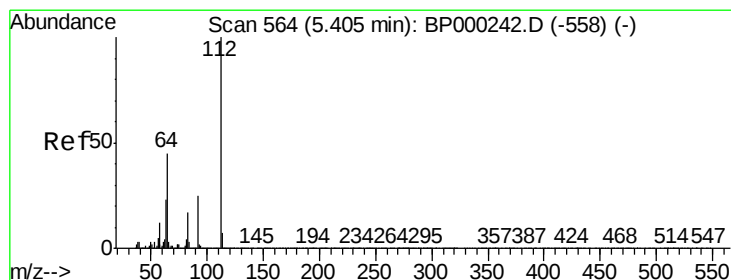
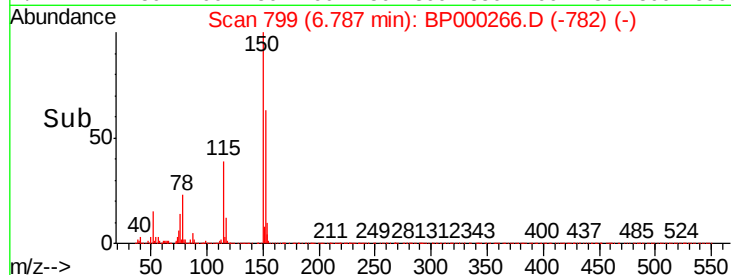
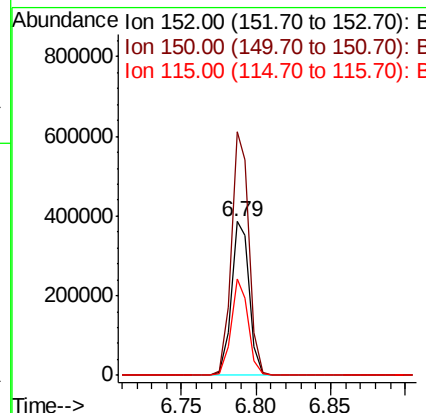
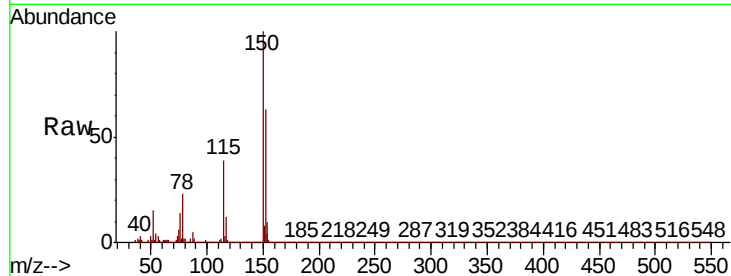
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000266.D
Acq: 17 Sep 2019 12:36

Instrument :
BNA_P
ClientSampleId :
CSA-4-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	125.2	187.8
115	62.4	49.7	74.5

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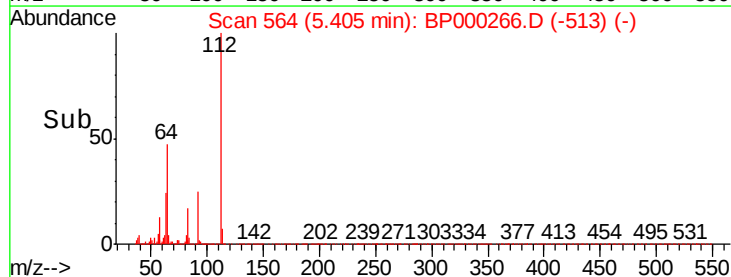
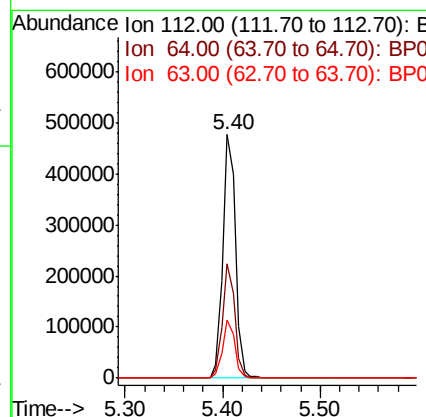
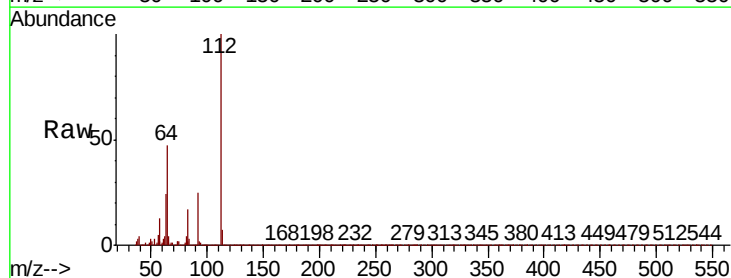
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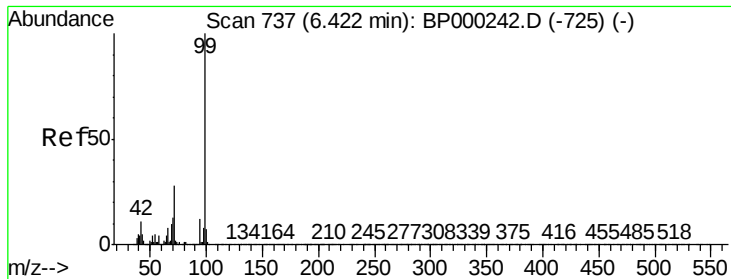


#5

2-Fluorophenol
Concen: 22.763 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BP000266.D
Acq: 17 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.1	36.2	54.4
63	23.8	18.3	27.5





#7

Phenol-d6

Concen: 23.777 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BP000266.D

Acq: 17 Sep 2019 12:36

Instrument :

BNA_P

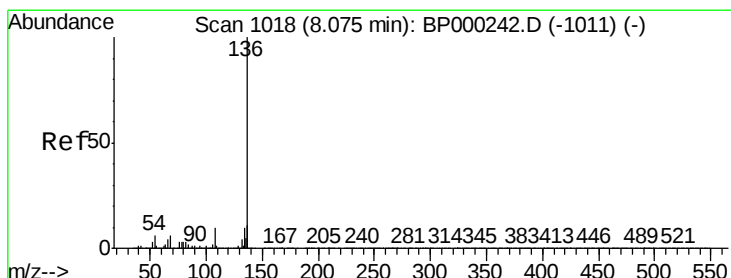
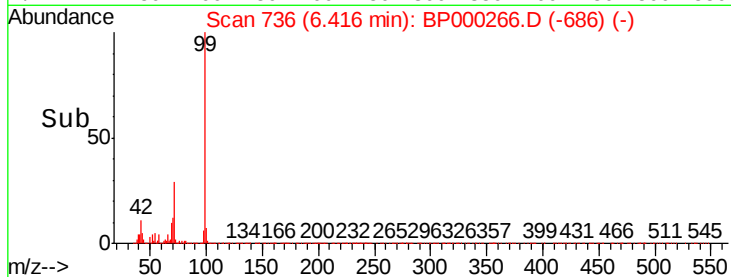
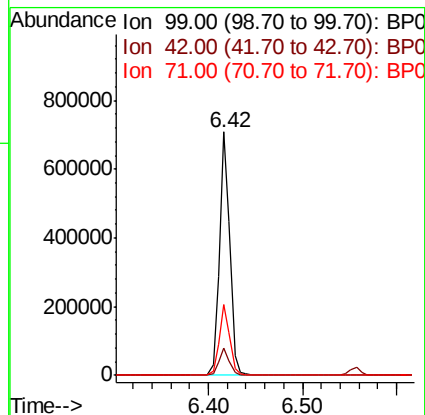
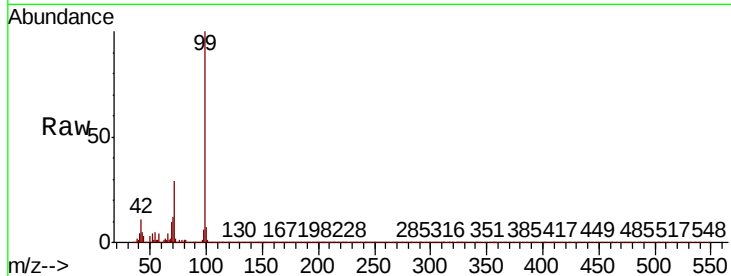
ClientSampleId :

CSA-4-7

Tot Ion:	99	Resp:	552816
Ion Ratio	Lower	Upper	
99	100		
42	11.2	8.5	12.7
71	29.3	22.6	34.0

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#21

Naphthalene-d8

Concen: 20.000 ng

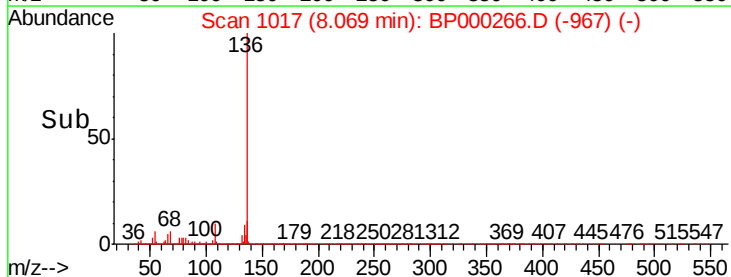
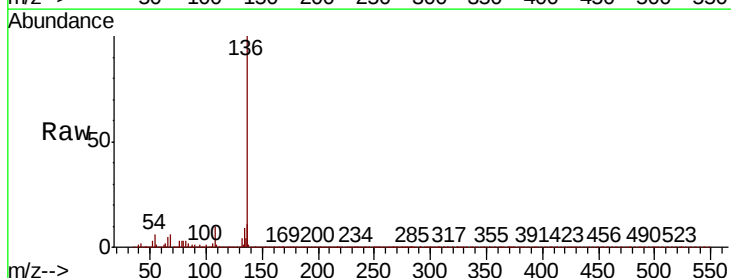
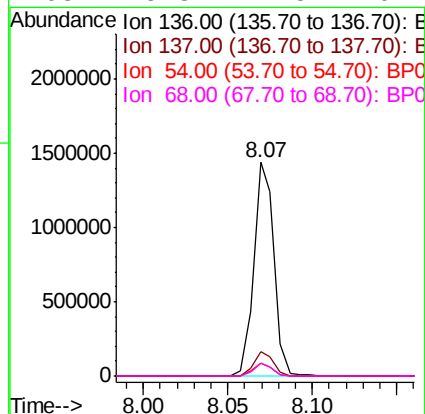
RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BP000266.D

Acq: 17 Sep 2019 12:36

Tgt Ion:	136	Resp:	1200694
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	13.0
54	5.7	4.5	6.7
68	5.8	4.5	6.7





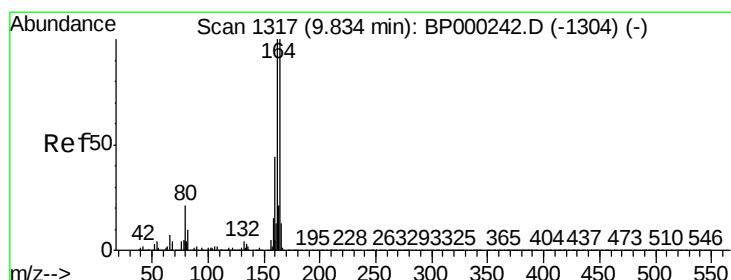
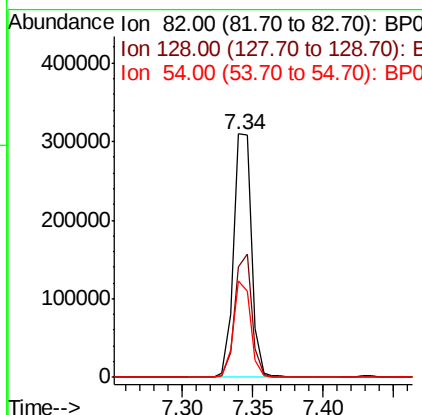
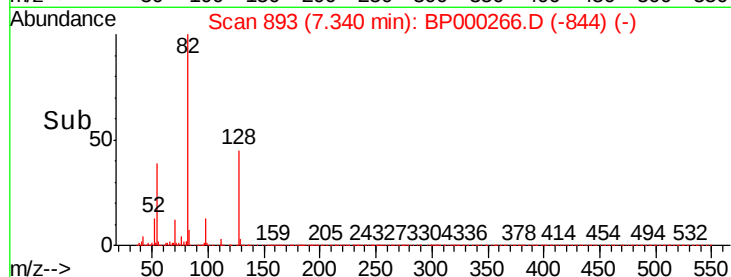
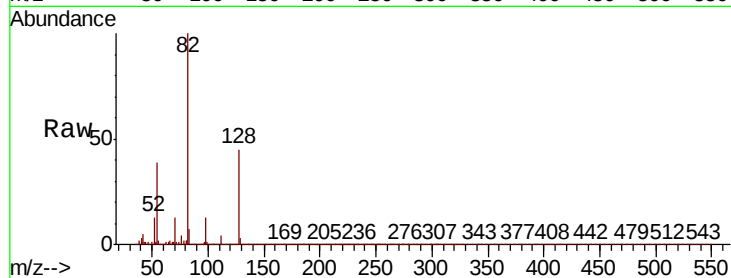
#23
Nitrobenzene-d5
Concen: 14.808 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BP000266.D
Acq: 17 Sep 2019 12:36

Instrument :
BNA_P
ClientSampleId :
CSA-4-7

Tot Ion	82	Resp	275575
Ion Ratio	Lower	Upper	
82	100		
128	45.4	40.7	61.1
54	39.4	30.1	45.1

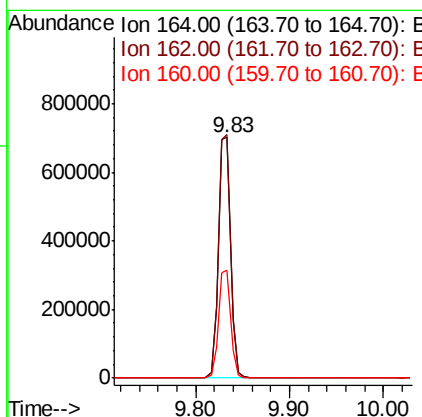
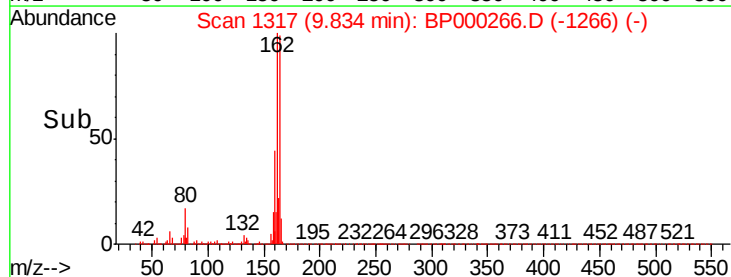
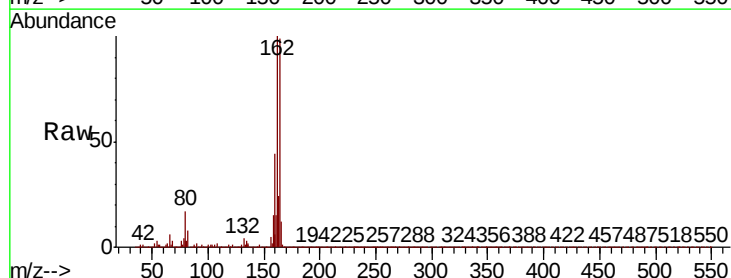
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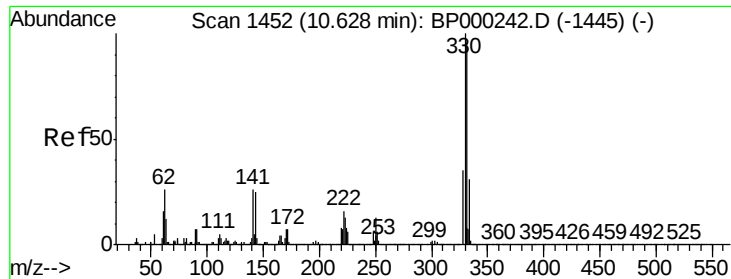
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000266.D
Acq: 17 Sep 2019 12:36

Tgt Ion	164	Resp	641965
Ion Ratio	Lower	Upper	
164	100		
162	101.1	79.9	119.9
160	44.9	35.6	53.4





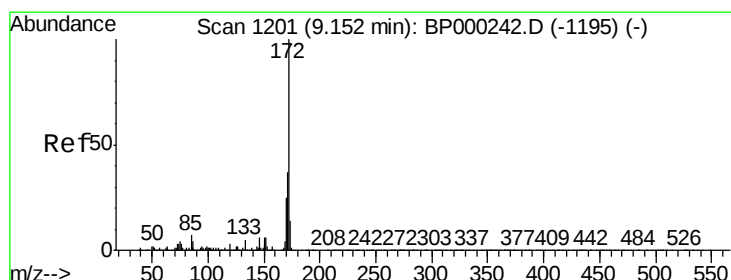
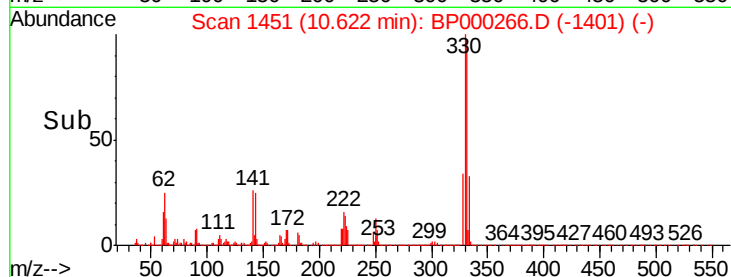
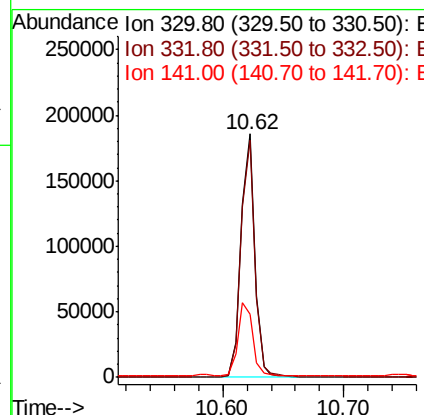
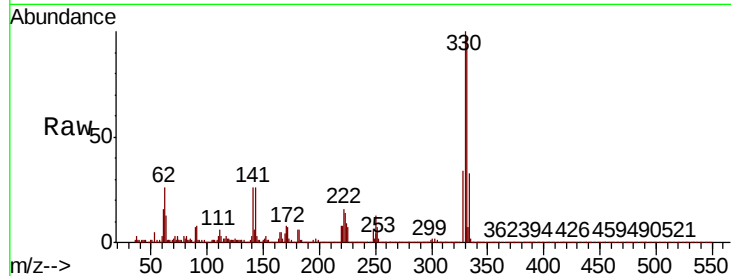
#42
2,4,6-Tribromophenol
Concen: 23.607 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000266.D
Acq: 17 Sep 2019 12:36

Instrument :
BNA_P
ClientSampled :
CSA-4-7

Tot Ion	Ratio	Resp	Lower	Upper
330	100	150317		
332	97.6	76.6	115.0	
141	31.2	26.5	39.7	

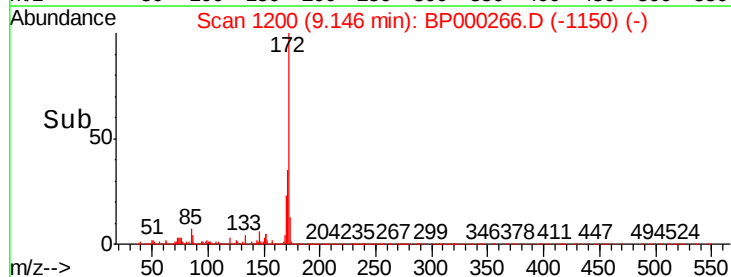
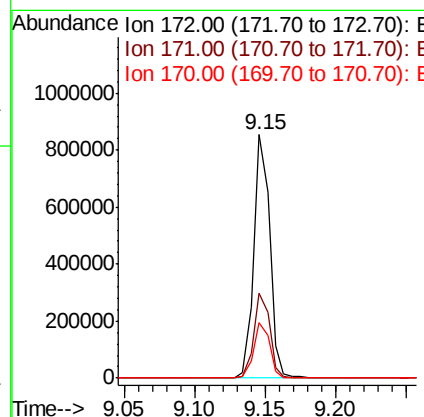
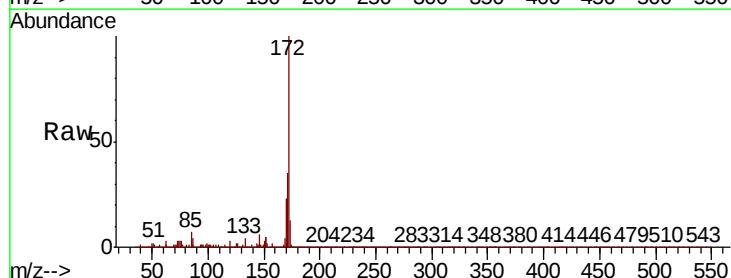
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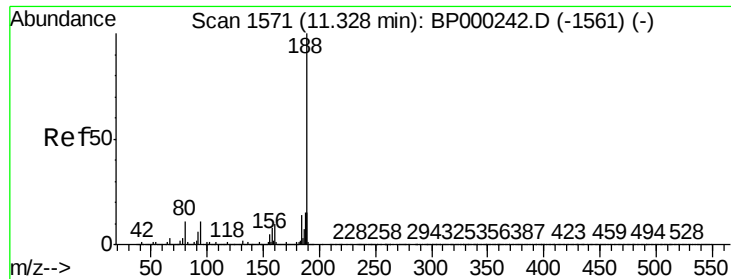
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#45
2-Fluorobiphenyl
Concen: 19.084 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BP000266.D
Acq: 17 Sep 2019 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	680686		
171	35.0	29.8	44.6	
170	23.0	19.8	29.6	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BP000266.D

Acq: 17 Sep 2019 12:36

Instrument :

BNA_P

ClientSampleId :

CSA-4-7

Tot Ion:188 Resp: 1129897

Ion Ratio Lower Upper

188 100

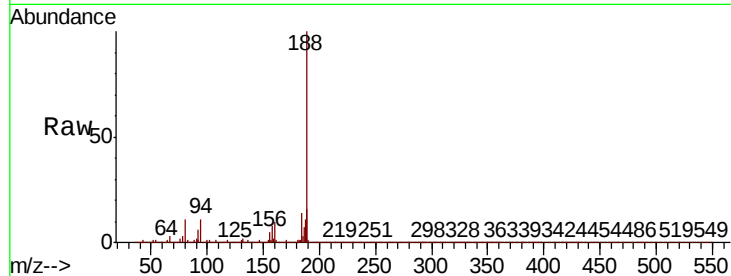
94 10.6 8.5 12.7

80 11.0 8.6 13.0

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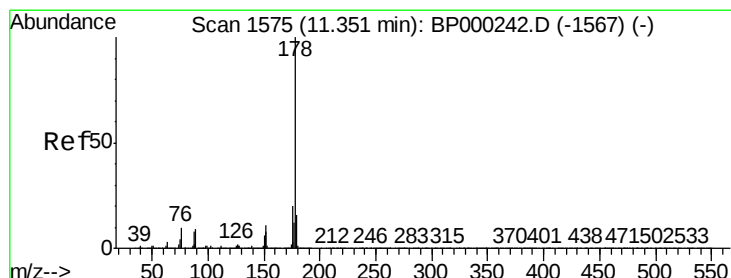
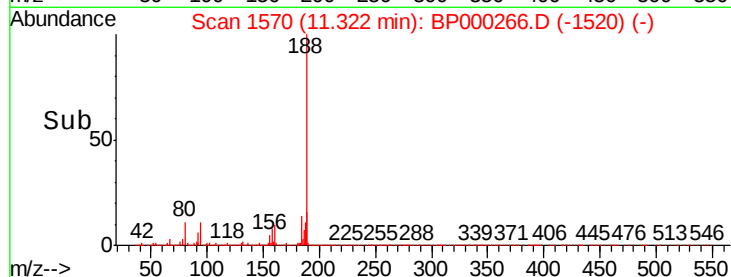
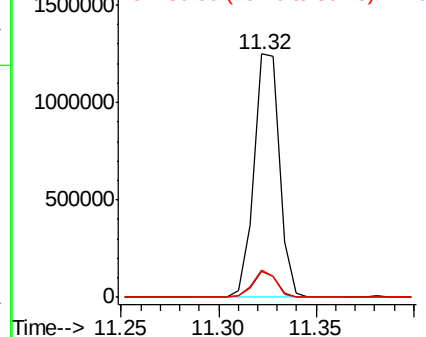
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 6.461 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BP000266.D

Acq: 17 Sep 2019 12:36

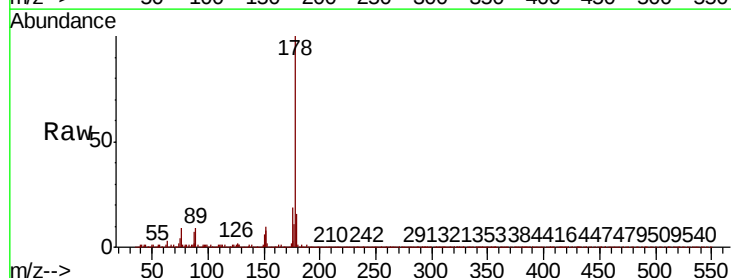
Tgt Ion:178 Resp: 365808

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

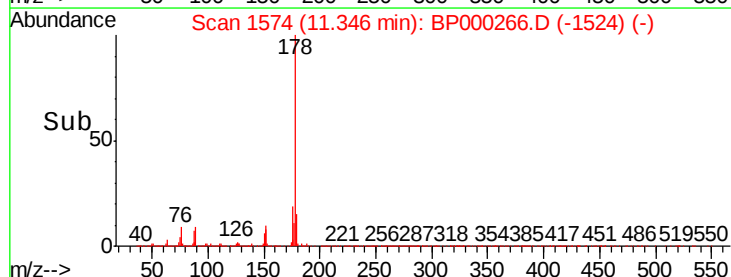
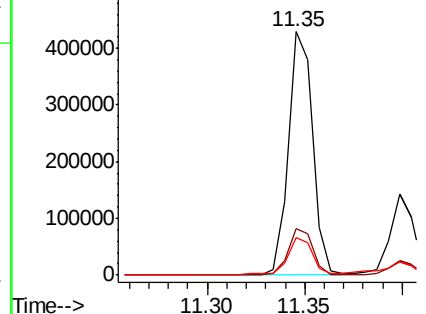
179 15.6 12.7 19.1

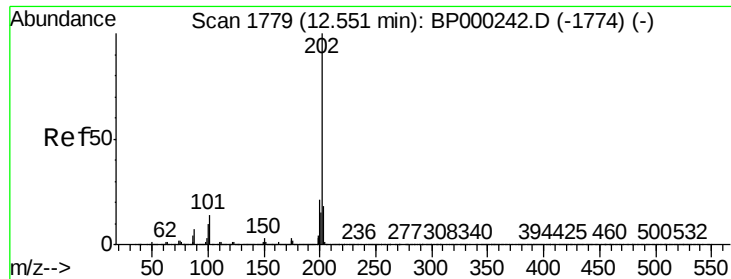


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 10.636 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BP000266.D

Acq: 17 Sep 2019 12:36

Instrument :

BNA_P

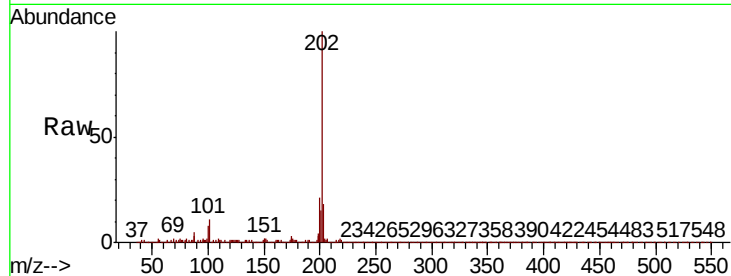
ClientSampled :

CSA-4-7

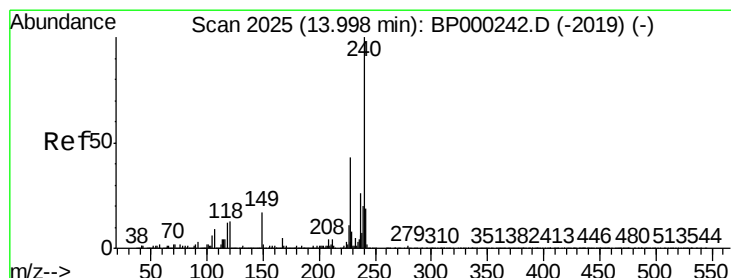
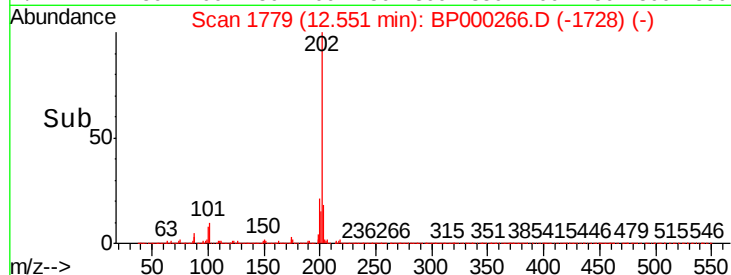
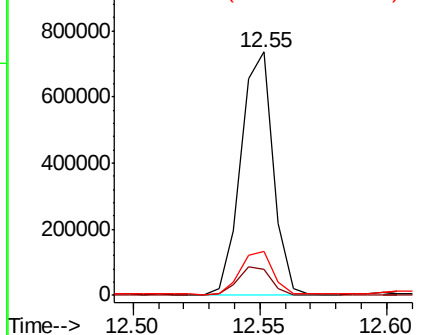
Tot Ion:	202	Resp:	646680
Ion Ratio		Lower	Upper
202	100		
101	10.6	0.0	33.9
203	18.1	0.0	38.0

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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



#76

Chrysene-d12

Concen: 20.000 ng

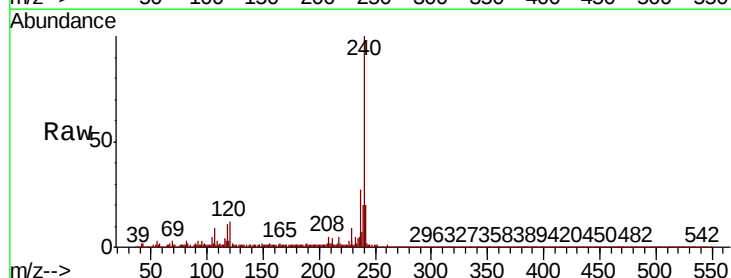
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

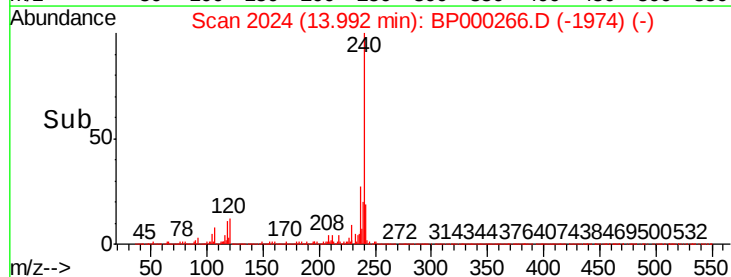
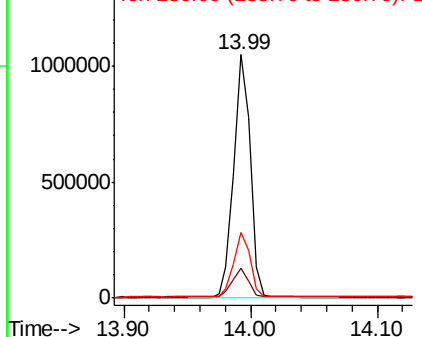
Lab File: BP000266.D

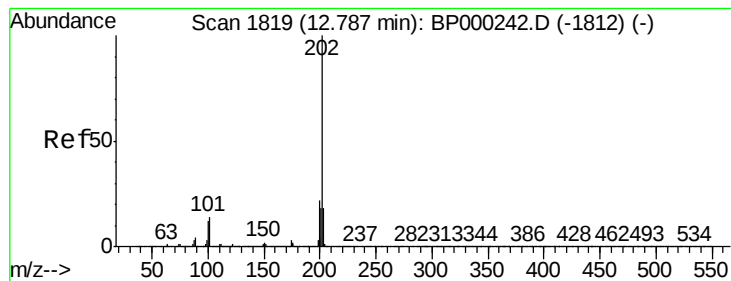
Acq: 17 Sep 2019 12:36

Tgt Ion:	240	Resp:	931263
Ion Ratio		Lower	Upper
240	100		
120	12.2	10.4	15.6
236	26.9	21.0	31.6



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

Pvrene

Concen: 8.424 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BP000266.D

Acq: 17 Sep 2019 12:36

Instrument :

BNA_P

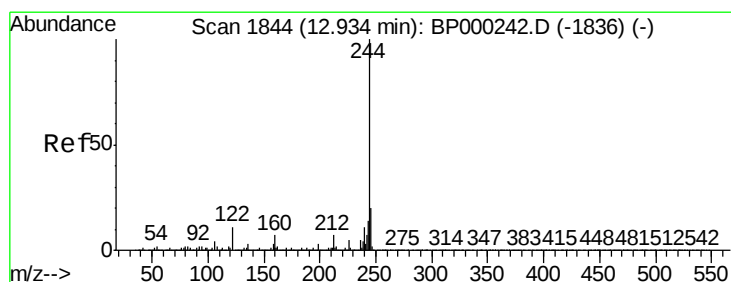
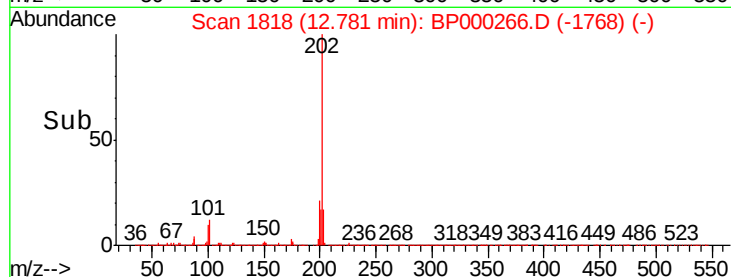
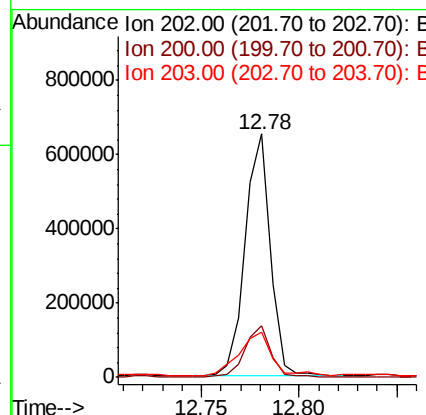
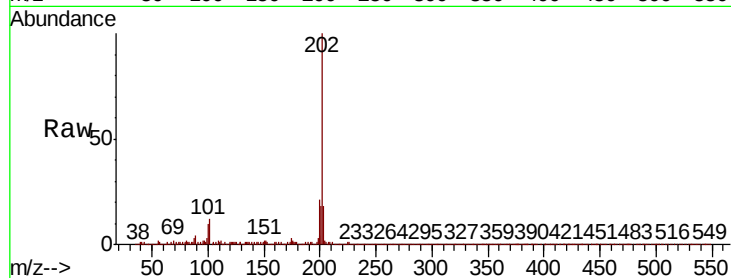
ClientSampleId :

CSA-4-7

Tot Ion:	202	Resp:	586941
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.5	26.3
203	18.5	14.3	21.5

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#79

Terphenyl-d14

Concen: 16.676 ng

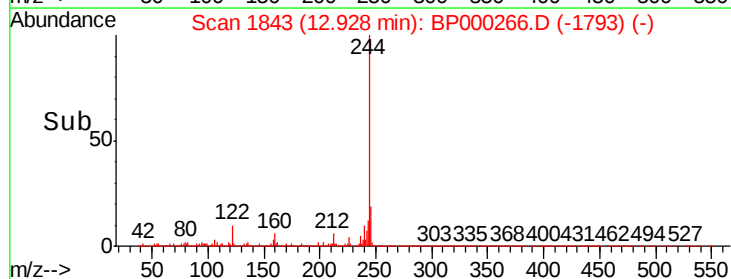
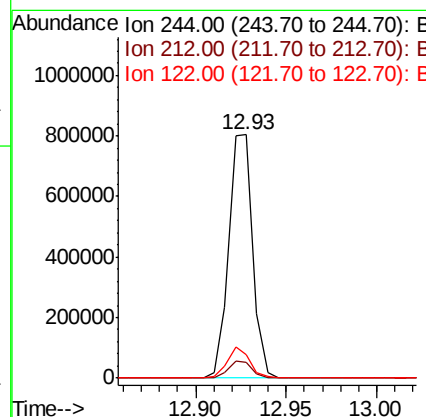
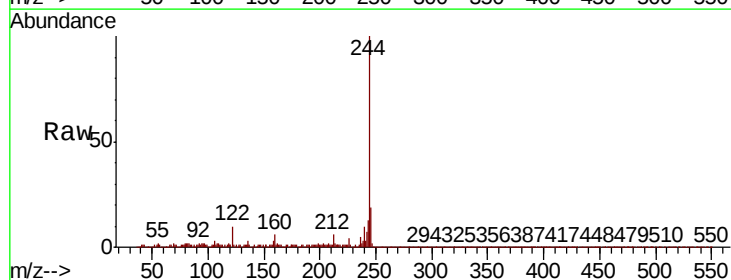
RT: 12.93 min Scan# 1843

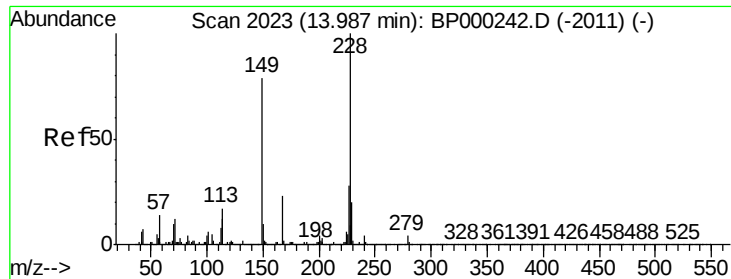
Delta R.T. -0.01 min

Lab File: BP000266.D

Acq: 17 Sep 2019 12:36

Tgt Ion:	244	Resp:	740291
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.9	8.9
122	9.8	9.0	13.4





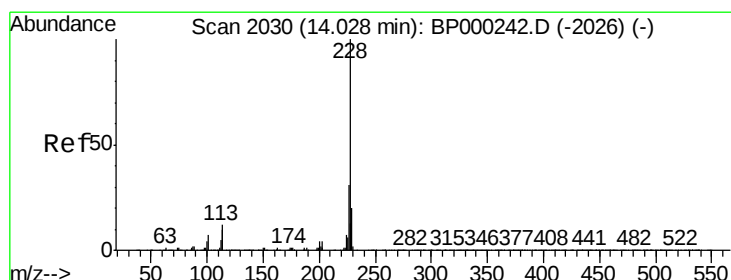
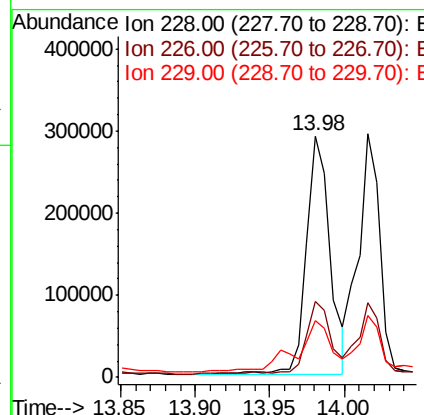
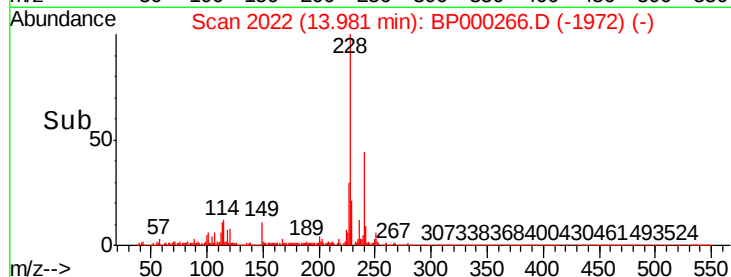
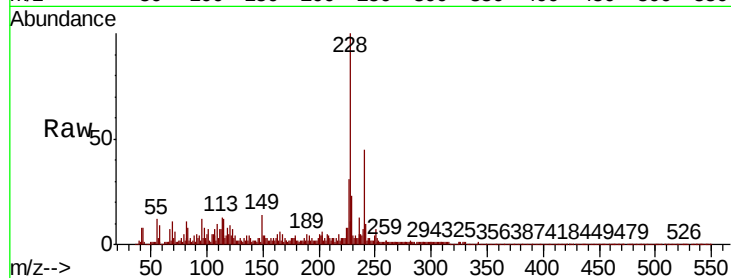
#81
Benzo(a)anthracene
Concen: 5.398 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BP000266.D
Acq: 17 Sep 2019 12:36

Instrument :
BNA_P
ClientSampleId :
CSA-4-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.2	33.4
229	23.3	16.0	24.0

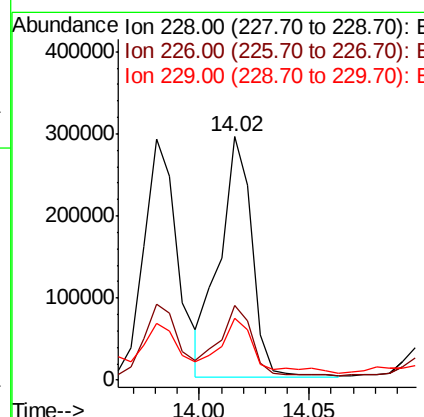
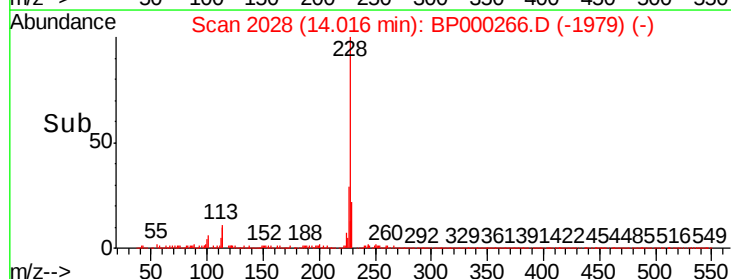
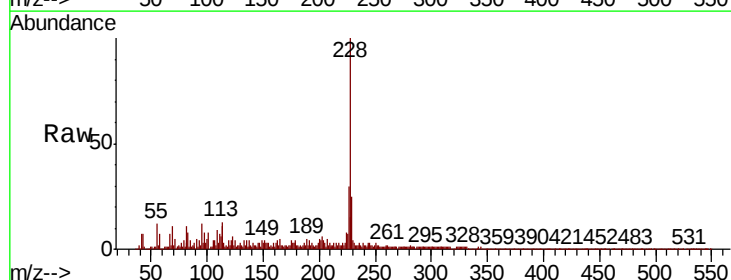
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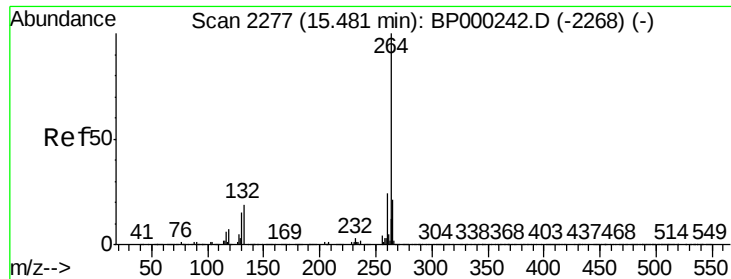
mohammad
9/19/2019 4:45:53 PM



#83
Chrysene
Concen: 5.232 ng m
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000266.D
Acq: 17 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	25.3	16.2	24.2#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BP000266.D

Acq: 17 Sep 2019 12:36

Instrument :

BNA_P

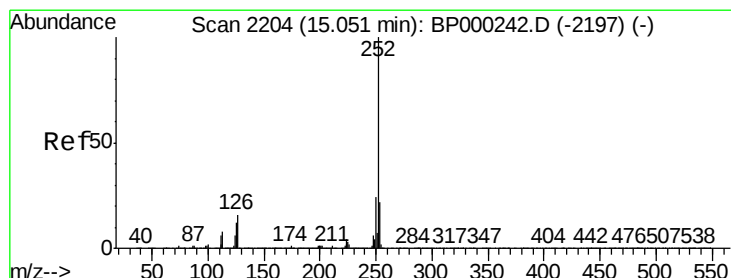
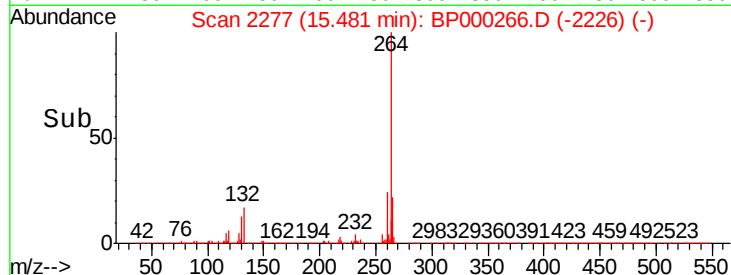
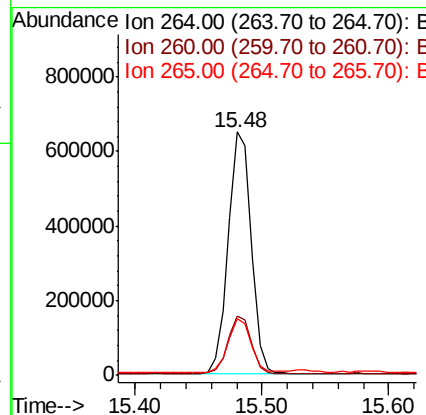
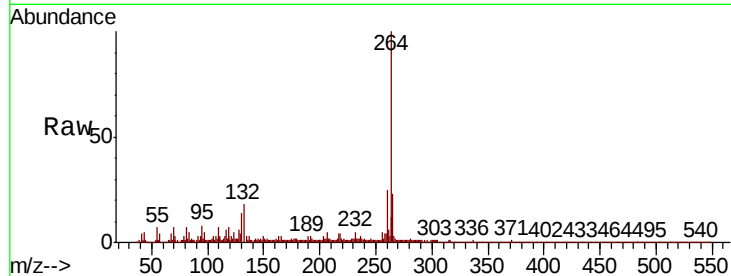
ClientSampled :

CSA-4-7

Tot Ion:	264	Resp:	814180
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.9	28.3
265	23.1	17.2	25.8

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#88

Benzo(b)fluoranthene

Concen: 6.439 ng m

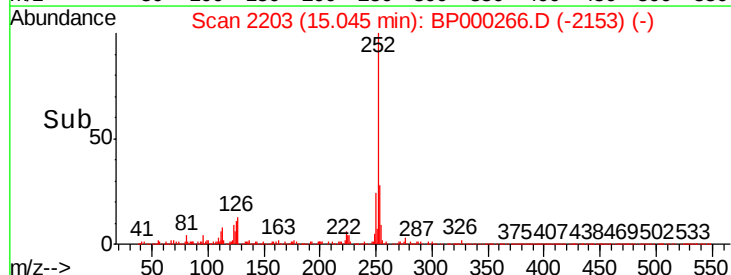
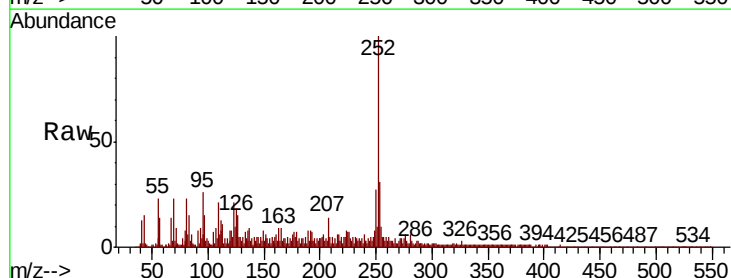
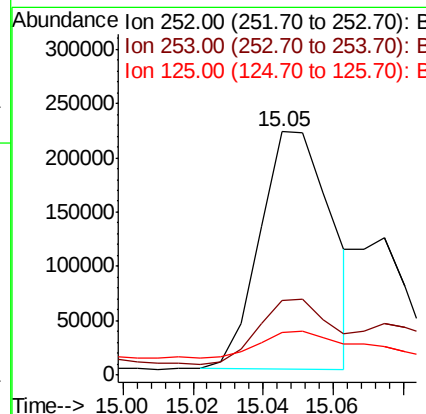
RT: 15.05 min Scan# 2203

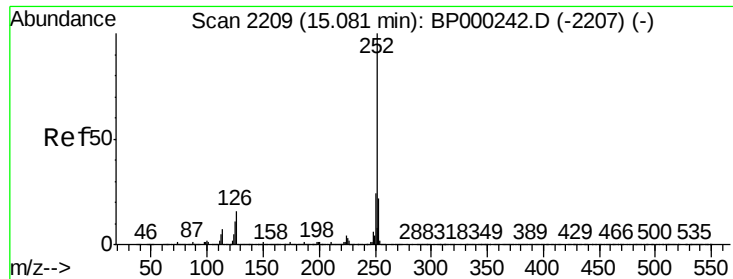
Delta R.T. -0.01 min

Lab File: BP000266.D

Acq: 17 Sep 2019 12:36

Tgt Ion:	252	Resp:	312756
Ion Ratio	Lower	Upper	
252	100		
253	30.9	17.8	26.6#
125	17.7	9.5	14.3#





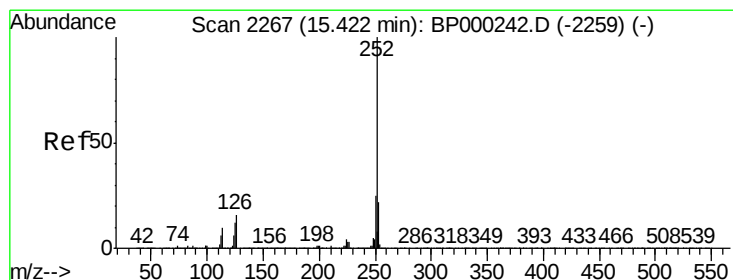
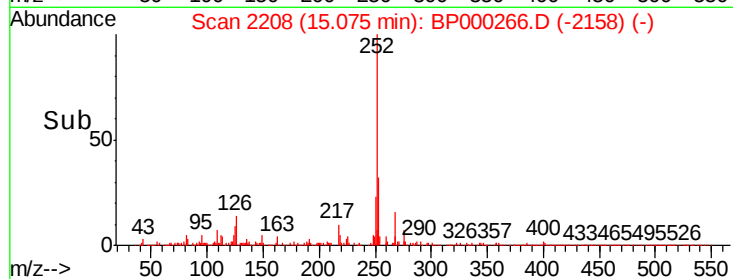
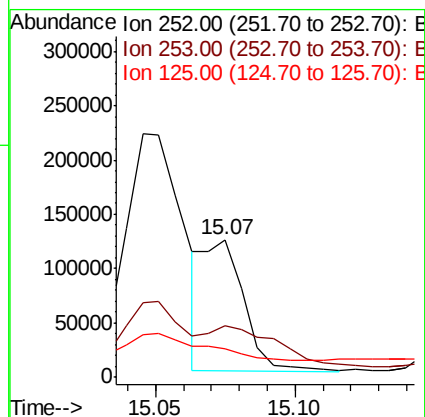
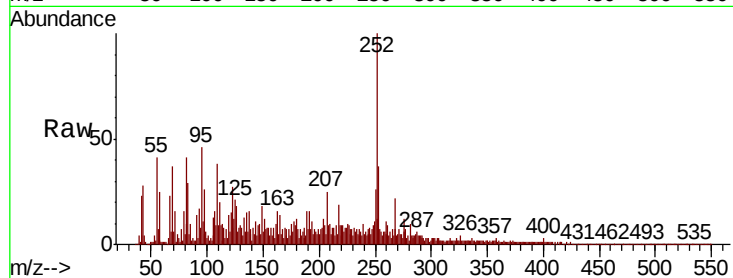
#89
Benzo(k)fluoranthene
Concen: 2.824 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BP000266.D
Acq: 17 Sep 2019 12:36

Instrument :
BNA_P
ClientSampled :
CSA-4-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.4	17.8	26.8#
125	21.1	9.6	14.4#

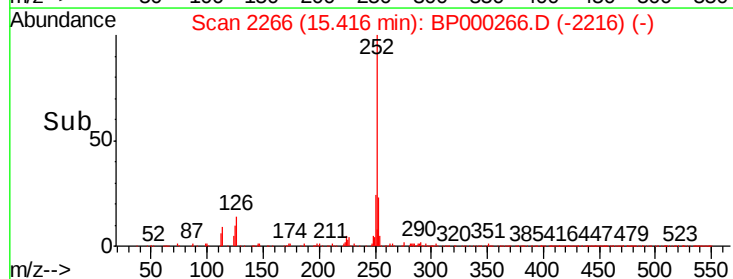
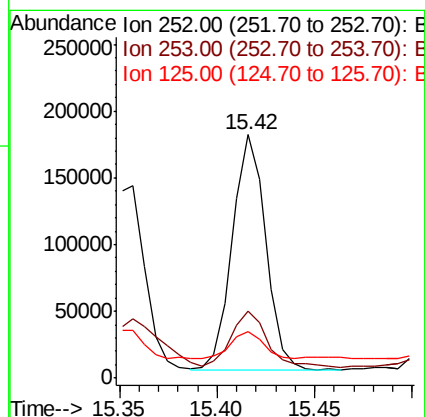
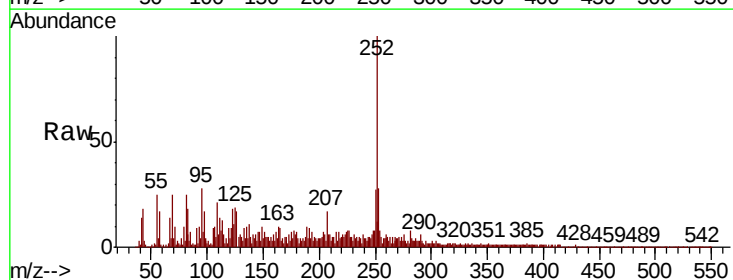
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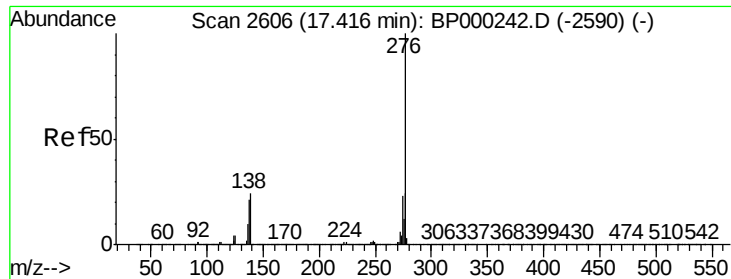
mohammad
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#90
Benzo(a)pyrene
Concen: 4.781 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BP000266.D
Acq: 17 Sep 2019 12:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.7	26.5#
125	18.9	10.0	15.0#





#92
 Benzo(a,h,i)perylene
 Concen: 2.733 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: BP000266.D
 Acq: 17 Sep 2019 12:36

Instrument :
 BNA_P
 ClientSampleId :
 CSA-4-7

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.0	19.1	28.7#
138	26.0	19.5	29.3

Manual Integrations
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