

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091719\
 Data File : BP000268.D
 Acq On : 17 Sep 2019 13:24
 Operator : HP/JU
 Sample : K4862-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CSA-4-5

Manual Integrations
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Quant Time: Sep 25 01:53:14 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	338916	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1202216	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	633937	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1120807	20.00	ng	0.00
76) Chrysene-d12	14.00	240	843215	20.00	ng	0.00
87) Perylene-d12	15.49	264	661447	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	446197	22.73	ng	0.00
7) Phenol-d6	6.42	99	571083	23.73	ng	0.00
23) Nitrobenzene-d5	7.35	82	256866	13.79	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	143775	22.87	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	687684	19.52	ng	0.00
79) Terphenyl-d14	12.93	244	753377	18.74	ng	0.00
Target Compounds						
71) Phenanthrene	11.35	178	466266	8.301	ng	98
72) Anthracene	11.40	178	182018	3.148	ng	99
75) Fluoranthene	12.55	202	933019	15.470	ng	97
78) Pyrene	12.78	202	807767	12.804	ng	99
81) Benzo(a)anthracene	13.99	228	414438	7.781	ng	94
83) Chrysene	14.02	228	367780m	7.032	ng	
88) Benzo(b)fluoranthene	15.05	252	365985m	9.275	ng	
89) Benzo(k)fluoranthene	15.08	252	137937m	4.007	ng	
90) Benzo(a)pyrene	15.42	252	253313	7.055	ng	# 88
92) Benzo(g,h,i)perylene	17.43	276	120078	3.490	ng	# 89

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

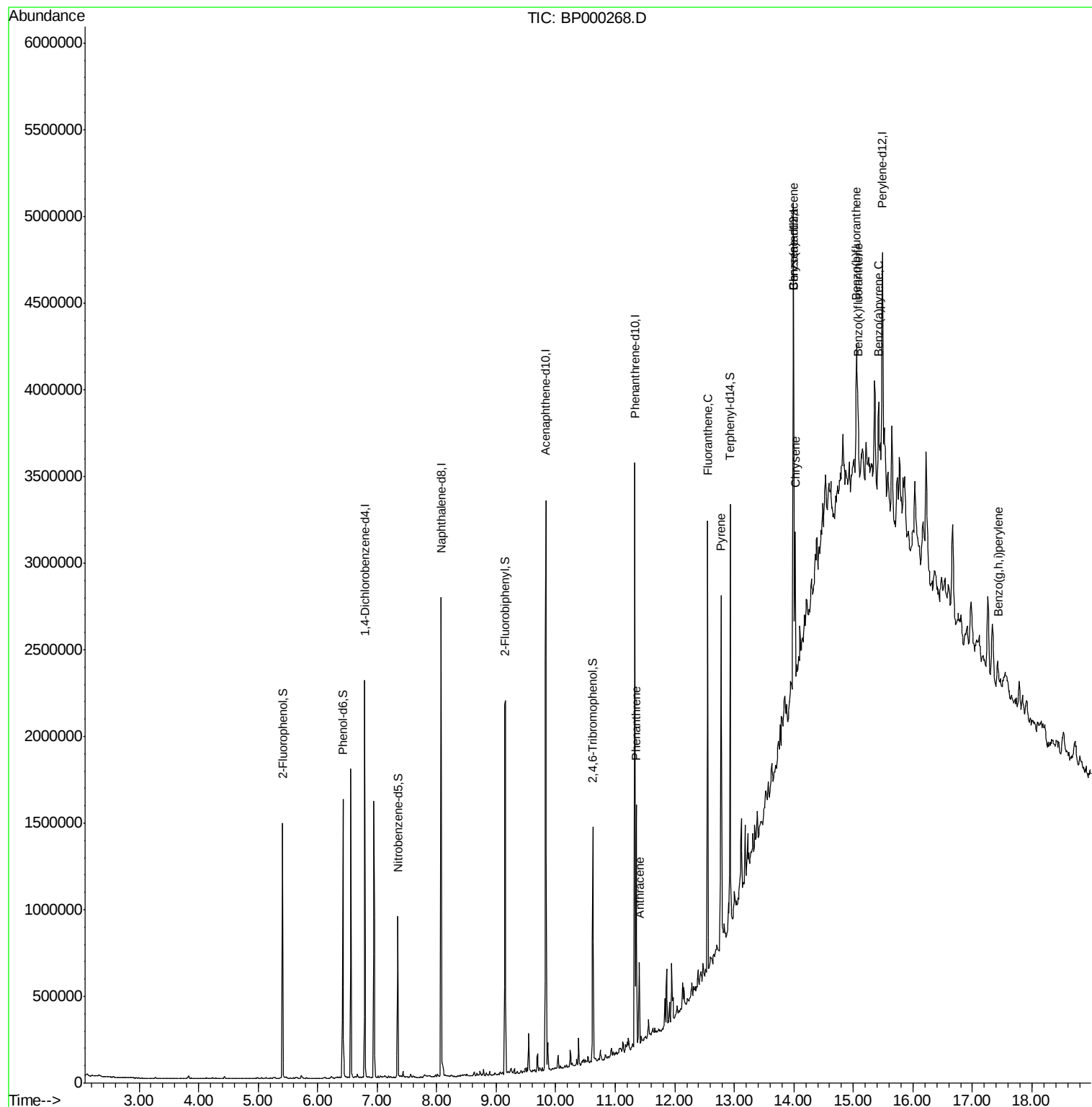
Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP091719\
Data File : BP000268.D
Acq On : 17 Sep 2019 13:24
Operator : HP/JU
Sample : K4862-10
Misc :
ALS Vial : 8 Sample Multiplier: 1

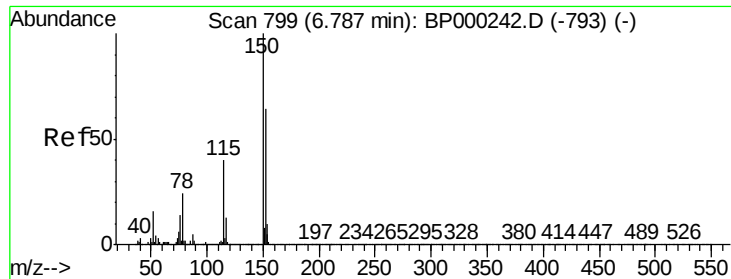
Instrument :
BNA_P
ClientSampled :
CSA-4-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

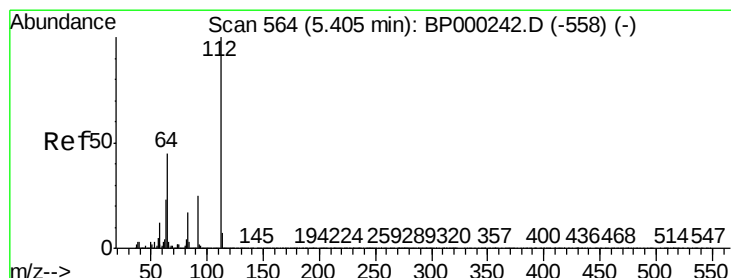
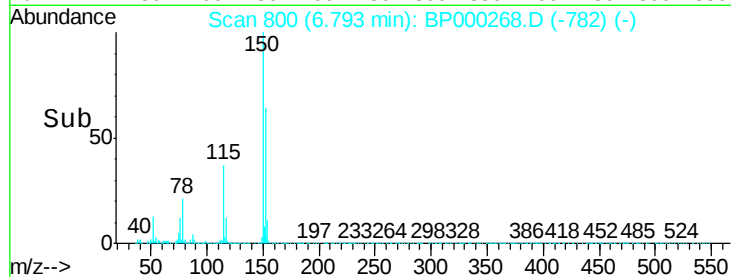
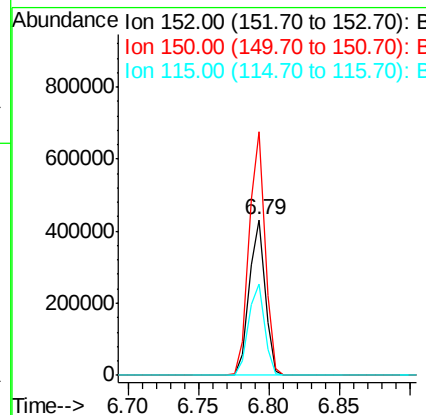
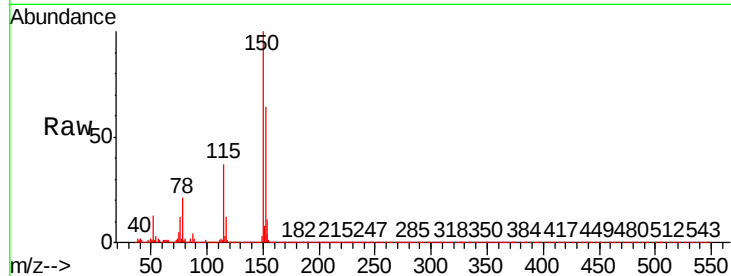
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000268.D
Acq: 17 Sep 2019 13:24

Instrument :
BNA_P
ClientSampleId :
CSA-4-5

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	338916		
150	156.2	125.2	187.8	
115	58.4	49.7	74.5	

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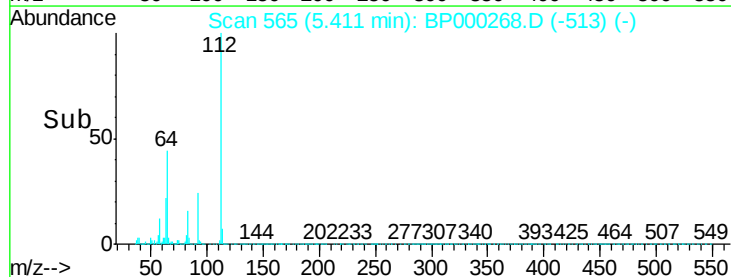
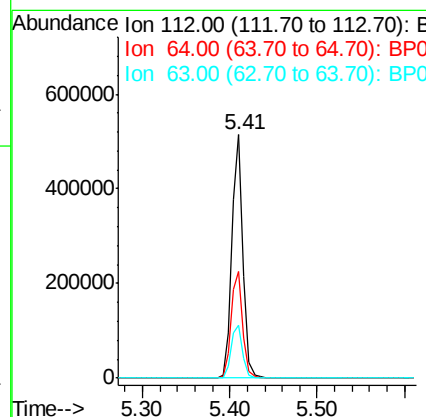
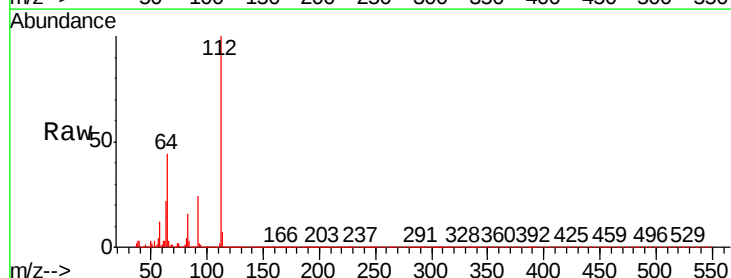
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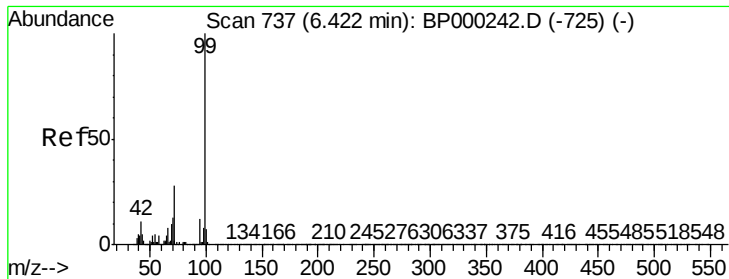


#5

2-Fluorophenol
Concen: 22.728 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000268.D
Acq: 17 Sep 2019 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	446197		
64	43.7	36.2	54.4	
63	21.9	18.3	27.5	





#7

Phenol-d6

Concen: 23.731 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BP000268.D

Acq: 17 Sep 2019 13:24

Instrument :

BNA_P

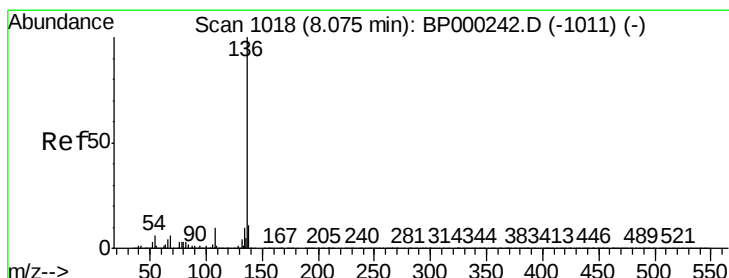
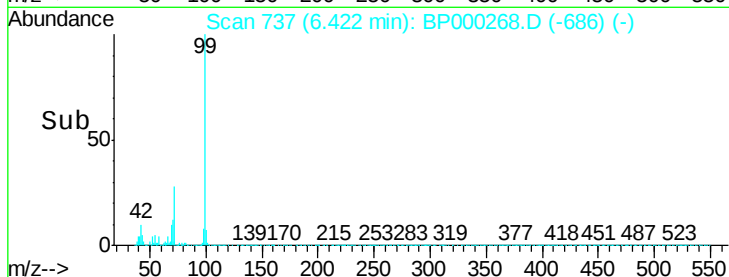
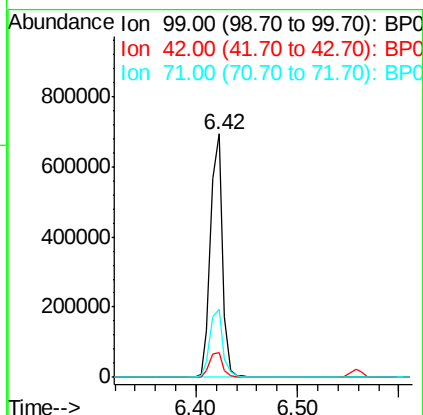
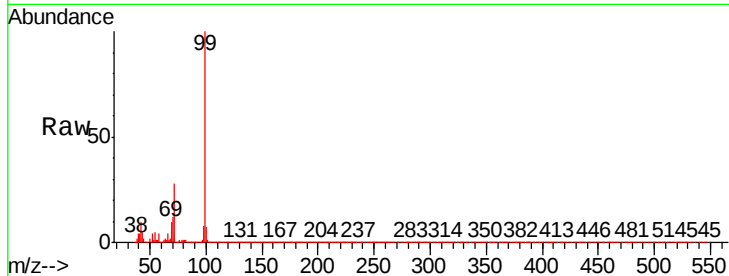
ClientSampleId :

CSA-4-5

Tgt Ion:	99	Resp:	571083
Ion Ratio	Lower	Upper	
99	100		
42	10.4	8.5	12.7
71	27.9	22.6	34.0

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#21

Naphthalene-d8

Concen: 20.000 ng

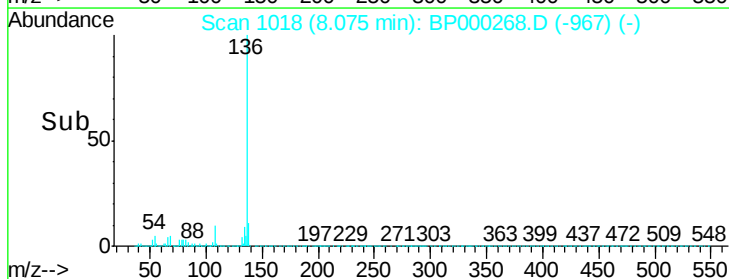
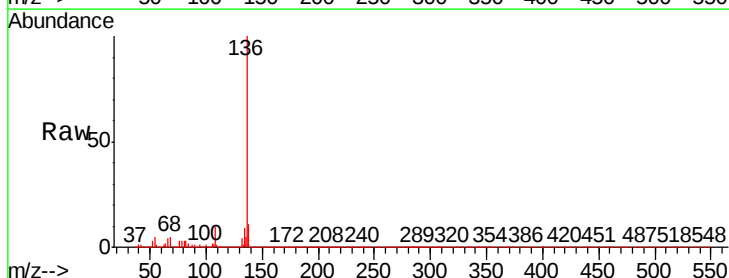
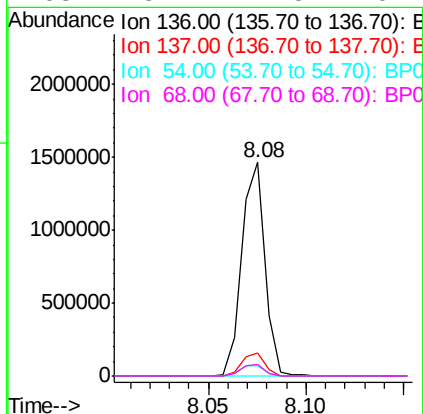
RT: 8.08 min Scan# 1018

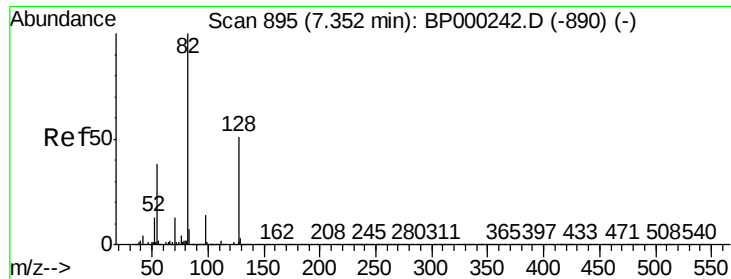
Delta R.T. 0.00 min

Lab File: BP000268.D

Acq: 17 Sep 2019 13:24

Tgt Ion:	136	Resp:	1202216
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	5.1	4.5	6.7
68	5.2	4.5	6.7





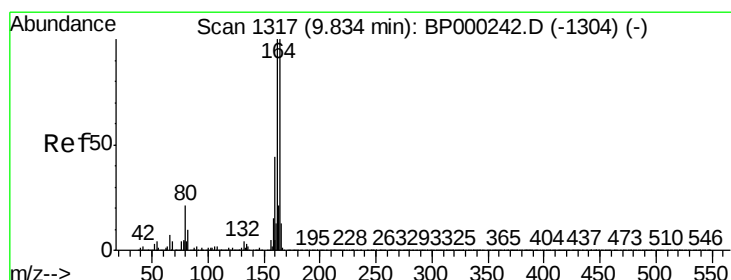
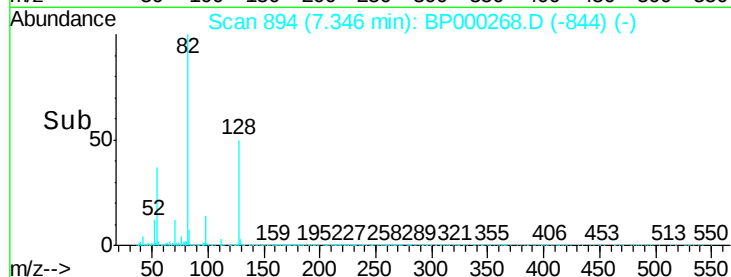
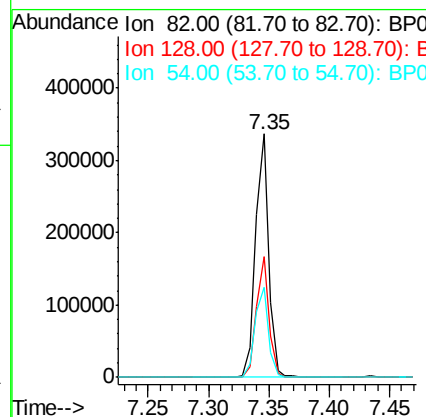
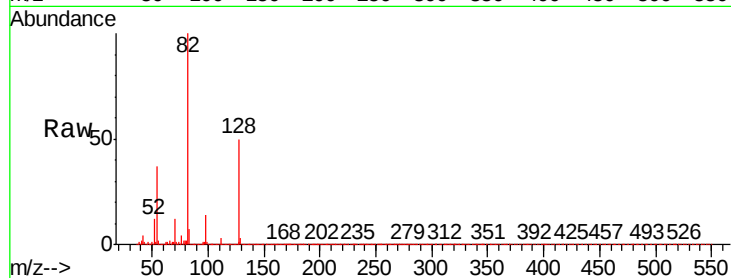
#23
Nitrobenzene-d5
Concen: 13.785 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000268.D
Acq: 17 Sep 2019 13:24

Instrument :
BNA_P
ClientSampleId :
CSA-4-5

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	49.8	40.7	61.1
54	36.7	30.1	45.1

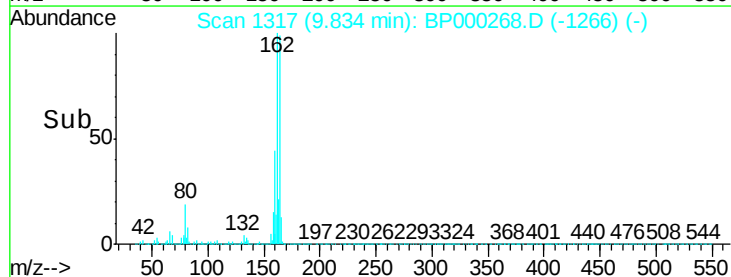
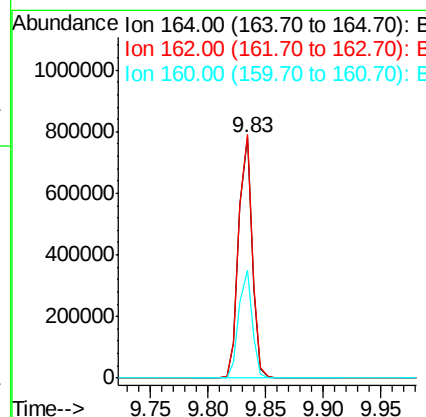
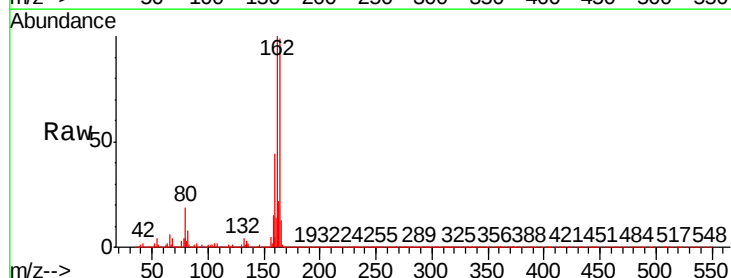
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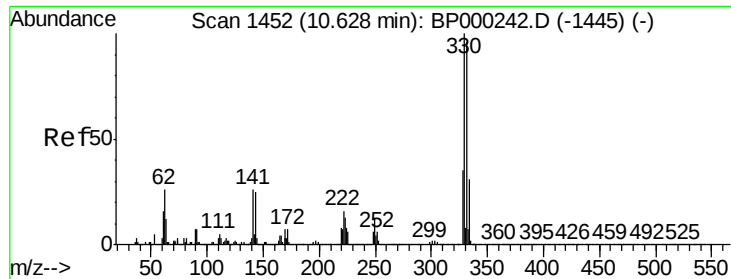
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000268.D
Acq: 17 Sep 2019 13:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	101.1	79.9	119.9
160	44.7	35.6	53.4





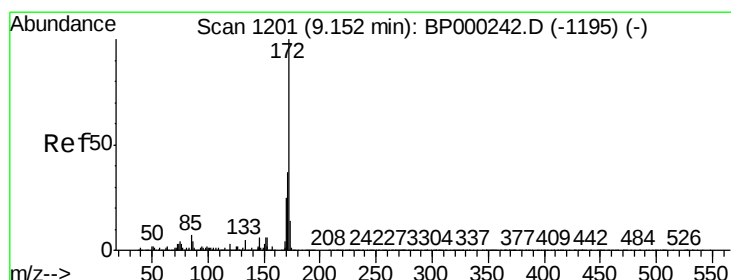
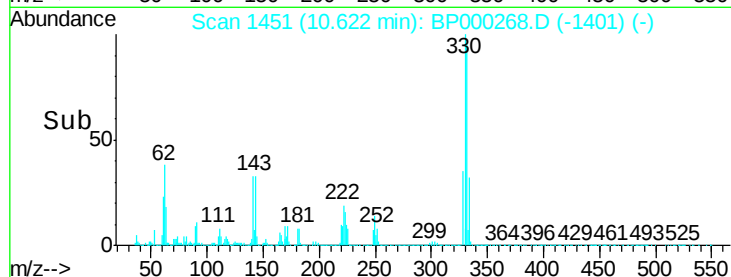
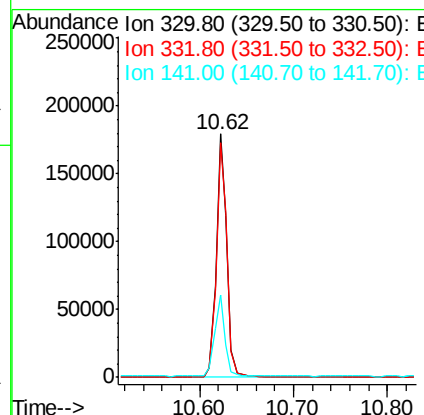
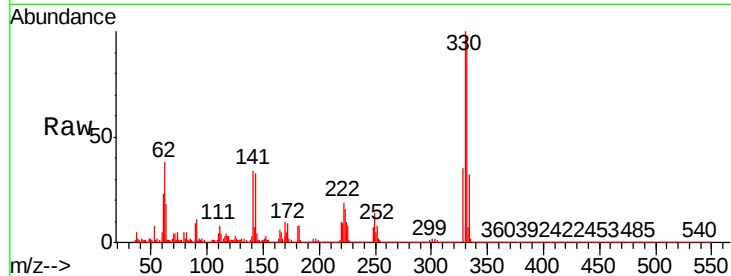
#42
 2,4,6-Tribromophenol
 Concen: 22.866 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BP000268.D
 Acq: 17 Sep 2019 13:24

Instrument :
 BNA_P
 ClientSampleId :
 CSA-4-5

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	143775		
332	97.1	76.6	115.0	
141	31.6	26.5	39.7	

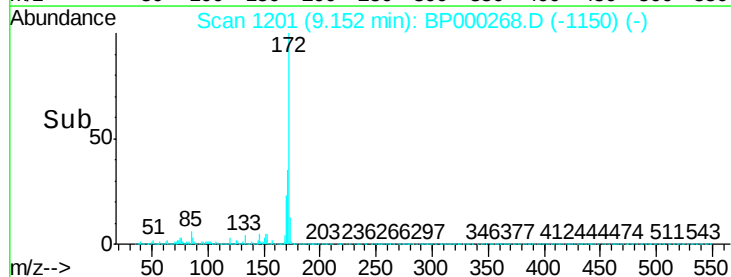
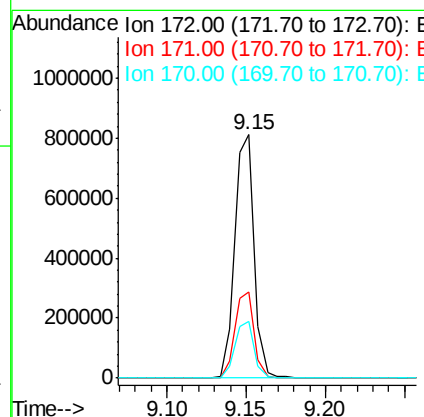
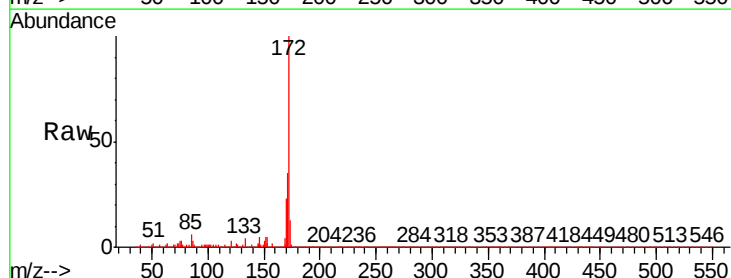
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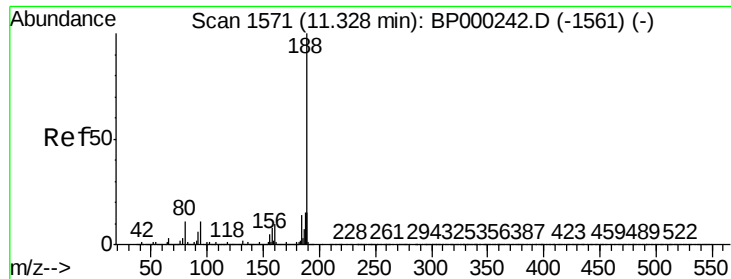
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#45
 2-Fluorobiphenyl
 Concen: 19.524 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BP000268.D
 Acq: 17 Sep 2019 13:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	687684		
171	35.3	29.8	44.6	
170	23.5	19.8	29.6	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BP000268.D

Acq: 17 Sep 2019 13:24

Instrument :

BNA_P

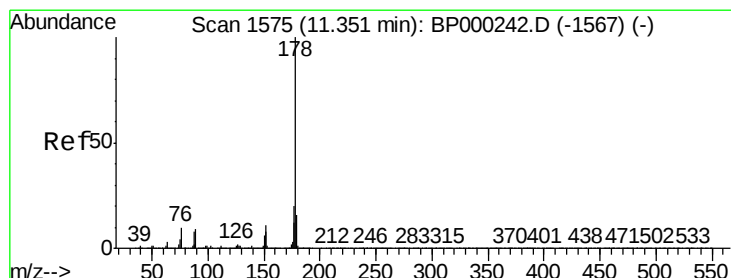
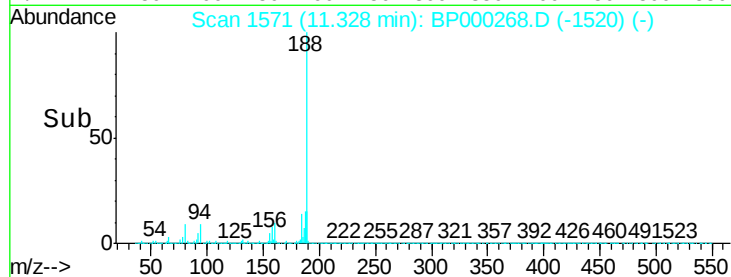
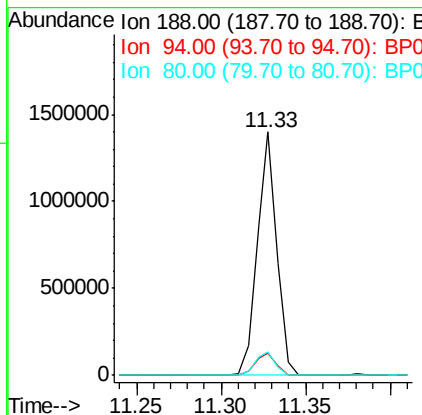
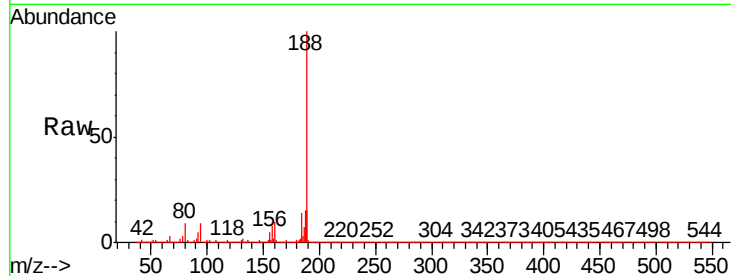
ClientSampleId :

CSA-4-5

Tgt Ion:	188	Resp:	1120807
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.5	12.7
80	9.4	8.6	13.0

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#71

Phenanthrene

Concen: 8.301 ng

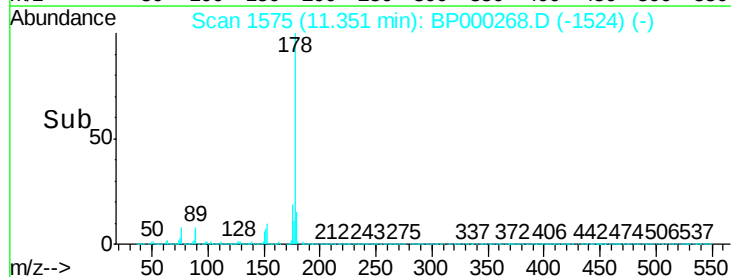
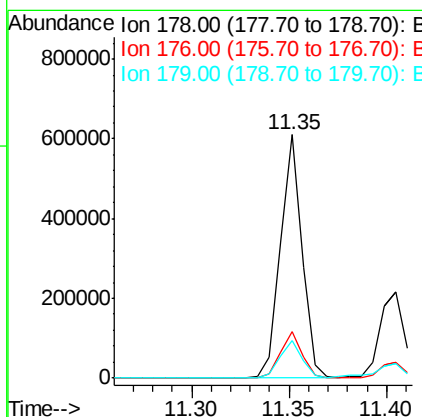
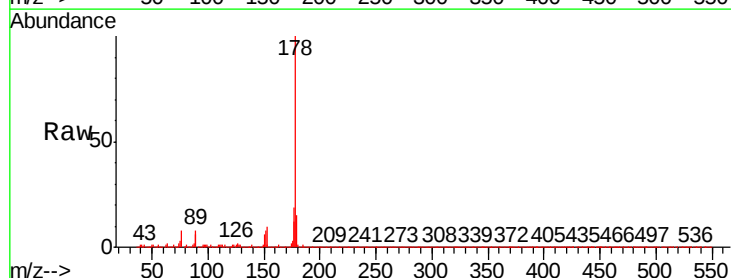
RT: 11.35 min Scan# 1575

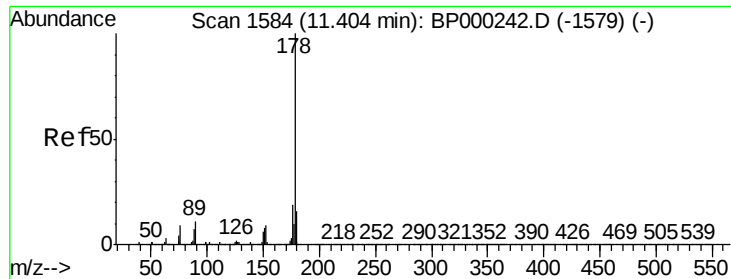
Delta R.T. 0.00 min

Lab File: BP000268.D

Acq: 17 Sep 2019 13:24

Tgt Ion:	178	Resp:	466266
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.8
179	15.4	12.7	19.1





#72

Anthracene

Concen: 3.148 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BP000268.D

Acq: 17 Sep 2019 13:24

Instrument :

BNA_P

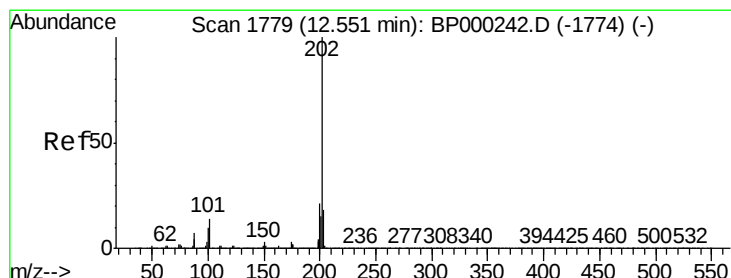
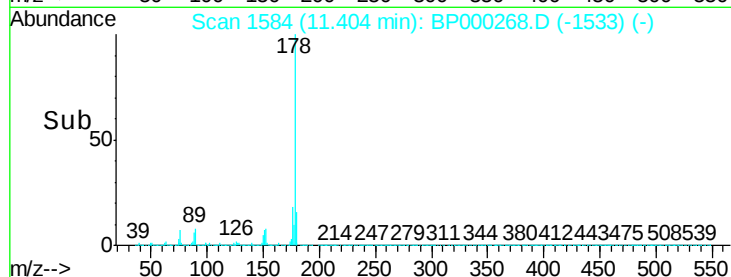
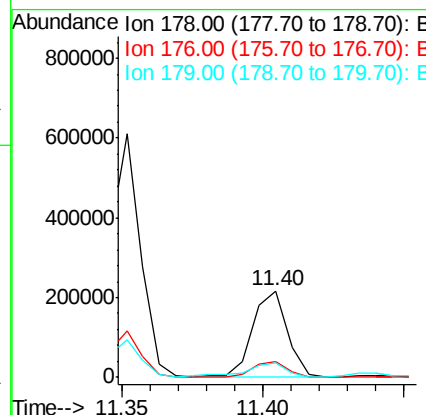
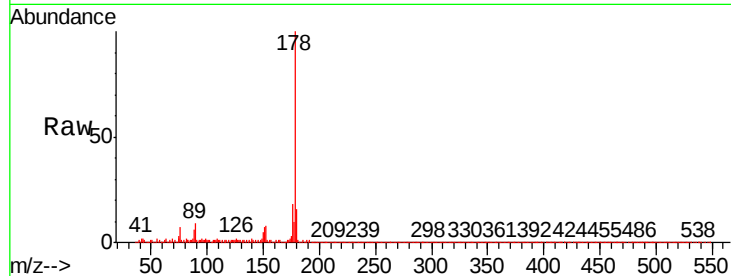
ClientSampleId :

CSA-4-5

Tgt Ion:	178	Resp:	182018
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.4	23.0
179	16.3	12.7	19.1

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#75

Fluoranthene

Concen: 15.470 ng

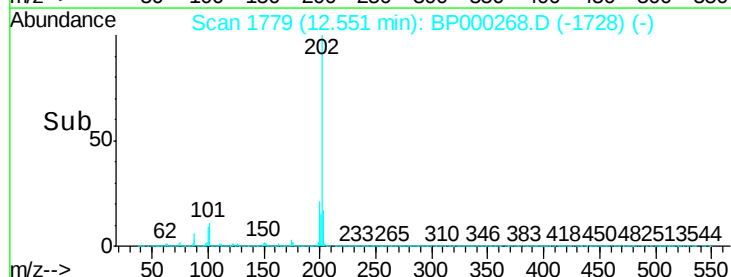
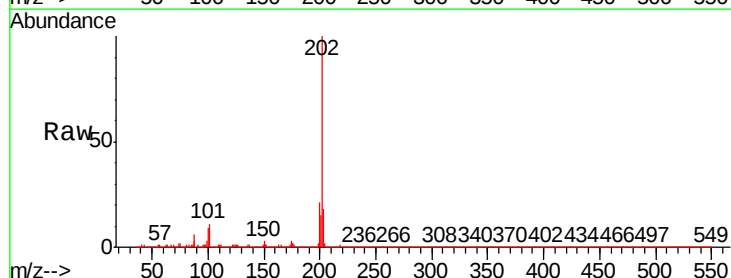
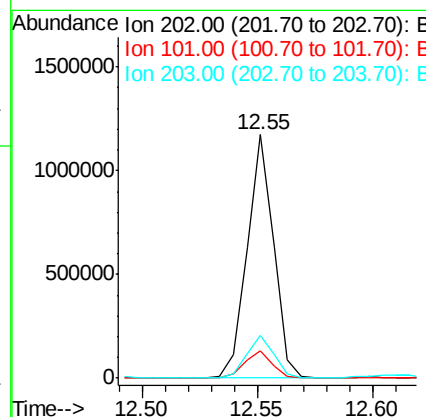
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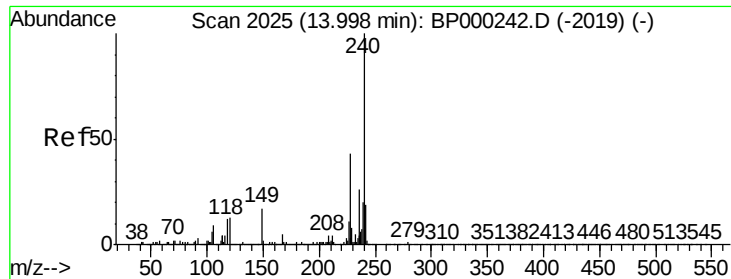
Delta R.T. 0.00 min

Lab File: BP000268.D

Acq: 17 Sep 2019 13:24

Tgt Ion:	202	Resp:	933019
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	33.9
203	17.5	0.0	38.0





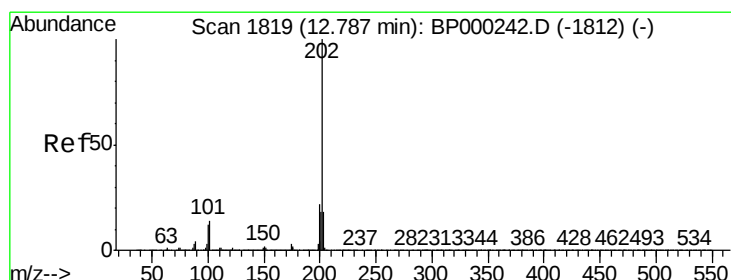
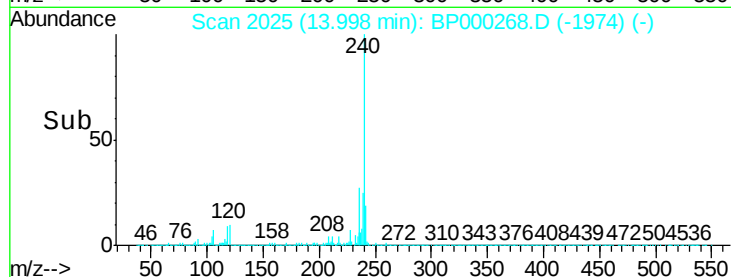
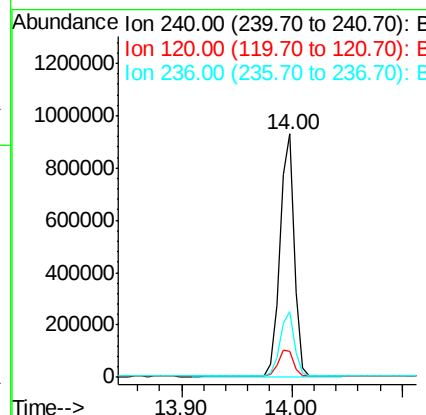
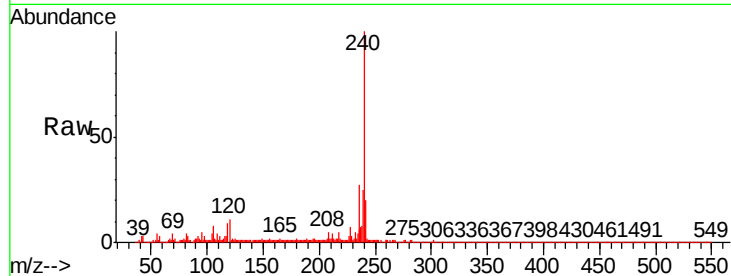
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BP000268.D
Acq: 17 Sep 2019 13:24

Instrument :
BNA_P
ClientSampleId :
CSA-4-5

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.4	15.6
236	26.9	21.0	31.6

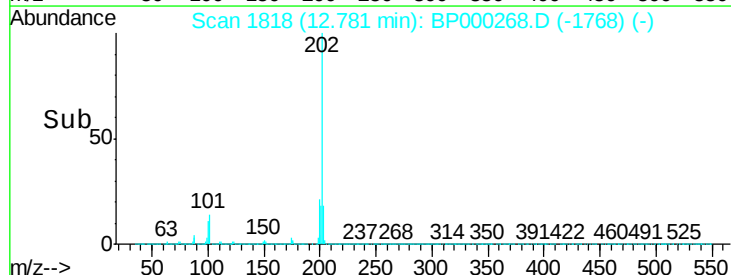
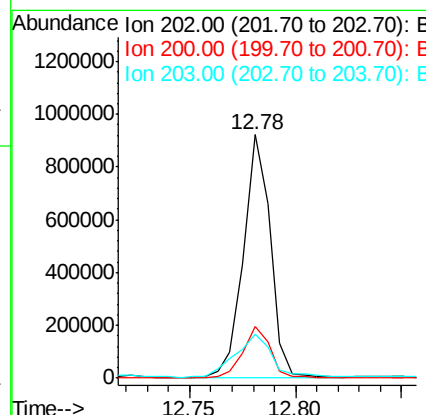
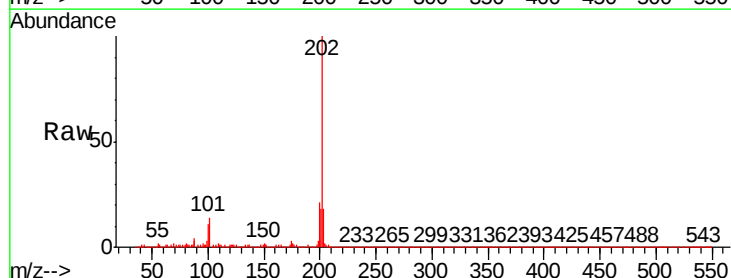
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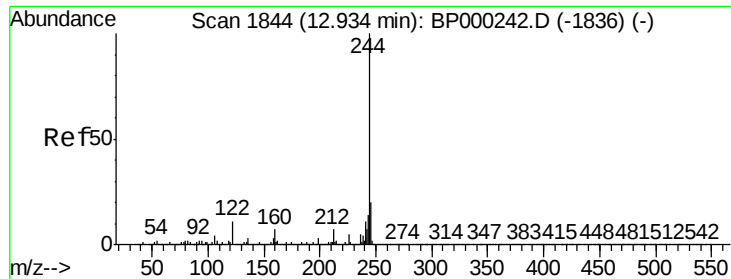
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#78
Pyrene
Concen: 12.804 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000268.D
Acq: 17 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.5	26.3
203	18.2	14.3	21.5





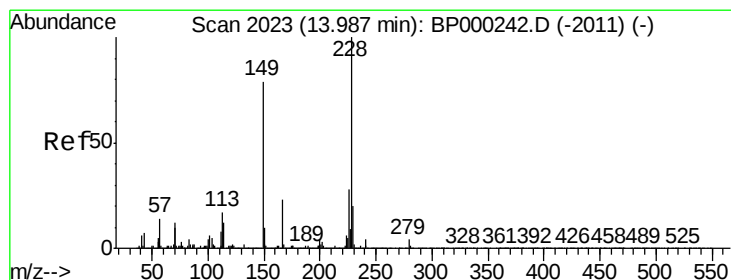
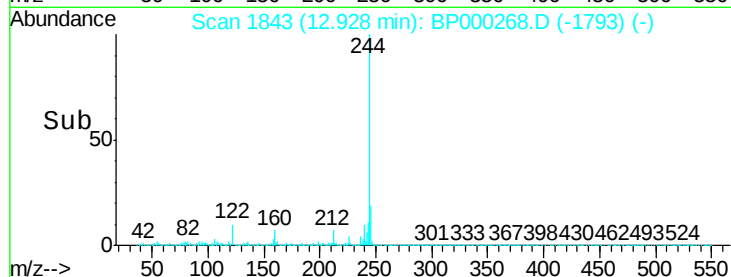
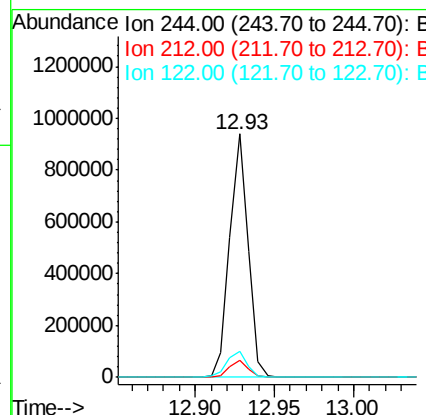
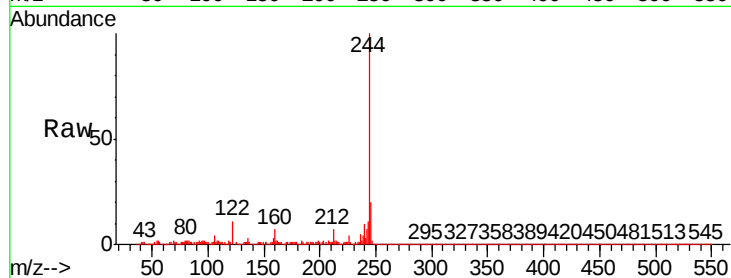
#79
 Terphenyl-d14
 Concen: 18.743 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BP000268.D
 Acq: 17 Sep 2019 13:24

Instrument :
 BNA_P
 ClientSampleId :
 CSA-4-5

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.9	8.9
122	10.6	9.0	13.4

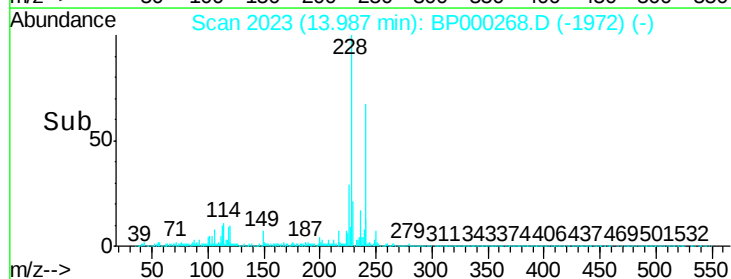
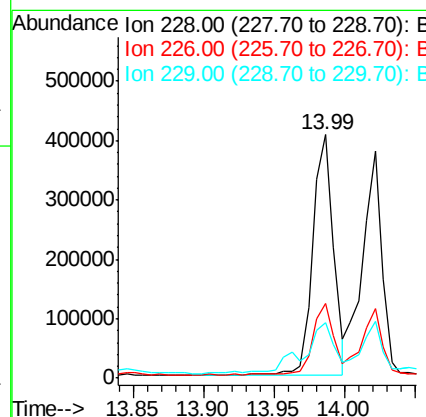
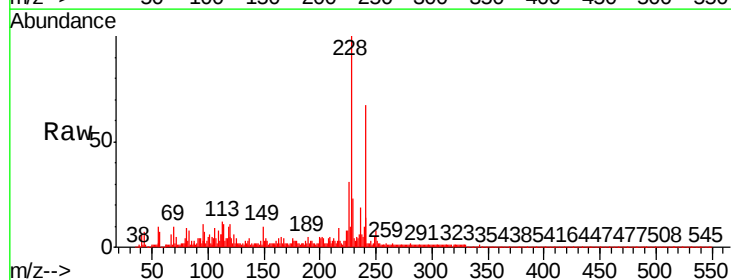
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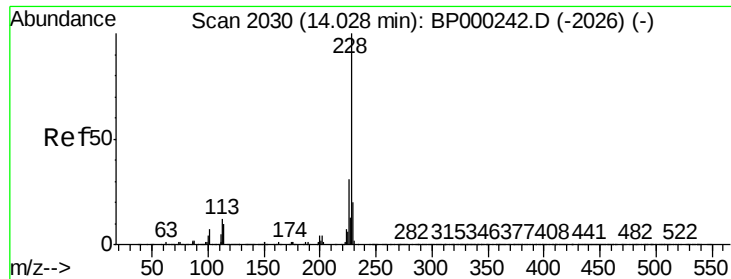
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#81
 Benzo(a)anthracene
 Concen: 7.781 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. 0.00 min
 Lab File: BP000268.D
 Acq: 17 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.2	33.4
229	22.8	16.0	24.0





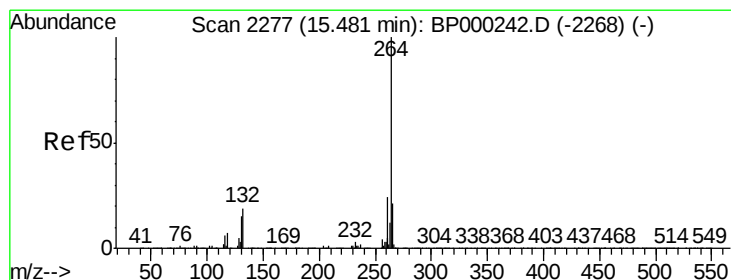
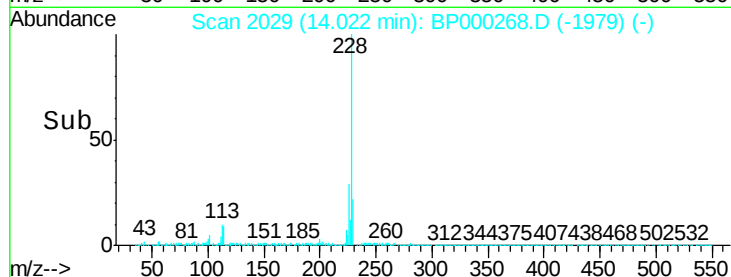
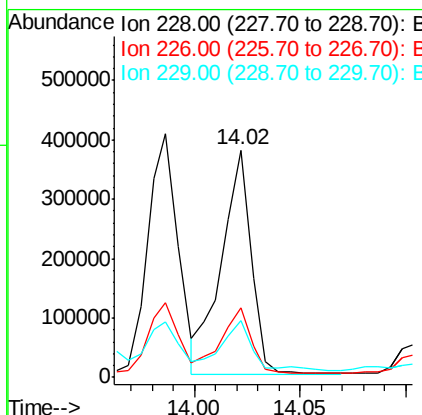
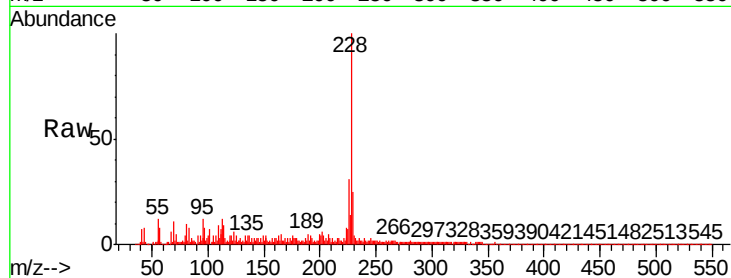
#83
Chrysene
Concen: 7.032 ng m
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BP000268.D
Acq: 17 Sep 2019 13:24

Instrument :
BNA_P
ClientSampled :
CSA-4-5

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.9	24.9	37.3
229	24.8	16.2	24.2

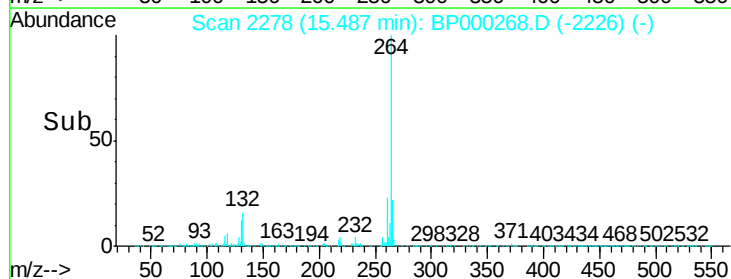
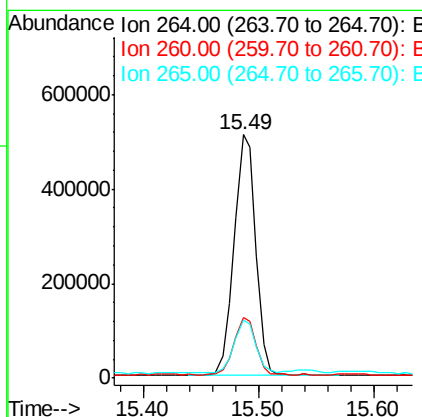
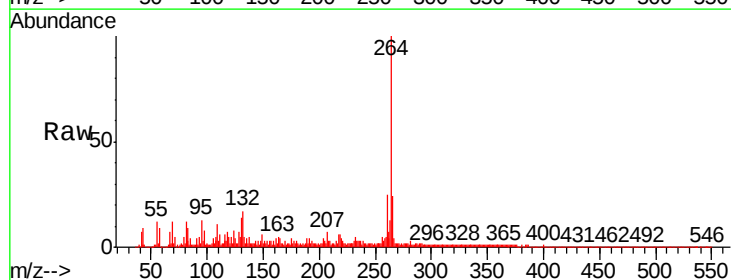
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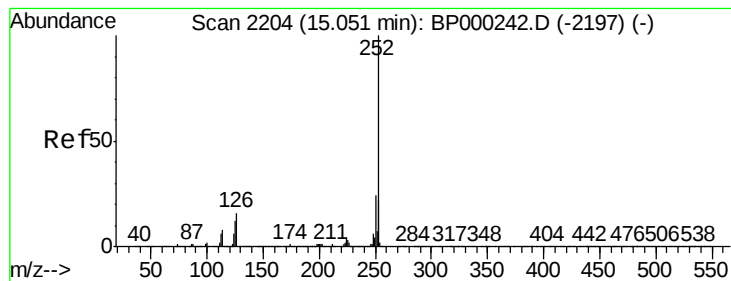
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BP000268.D
Acq: 17 Sep 2019 13:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.0	18.9	28.3
265	23.7	17.2	25.8





#88

Benzo(b)fluoranthene

Concen: 9.275 ng m

RT: 15.05 min Scan# 2204

Delta R.T. 0.00 min

Lab File: BP000268.D

Acq: 17 Sep 2019 13:24

Instrument :

BNA_P

ClientSampleId :

CSA-4-5

Tgt Ion: 252 Resp: 365985
Ion Ratio Lower Upper

252 100

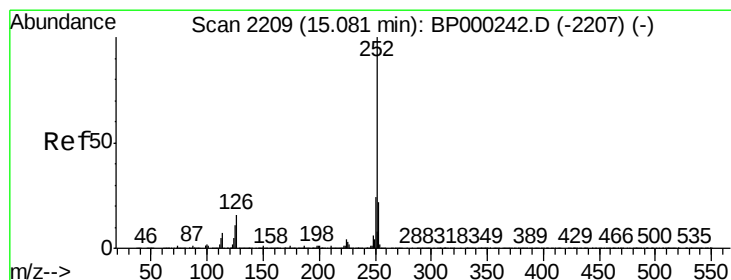
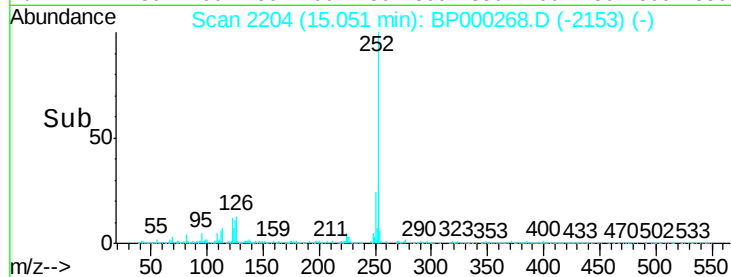
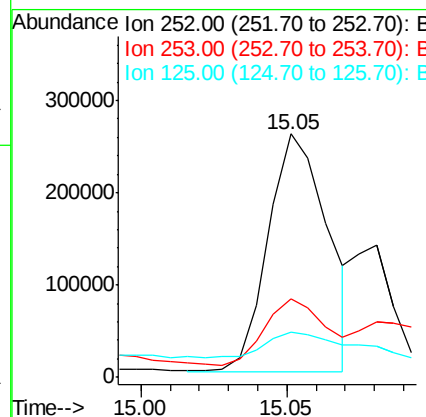
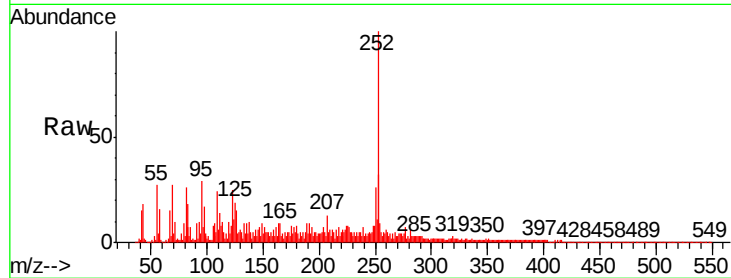
253 32.3 17.8 26.6#

125 18.7 9.5 14.3#

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#89

Benzo(k)fluoranthene

Concen: 4.007 ng m

RT: 15.08 min Scan# 2209

Delta R.T. -0.00 min

Lab File: BP000268.D

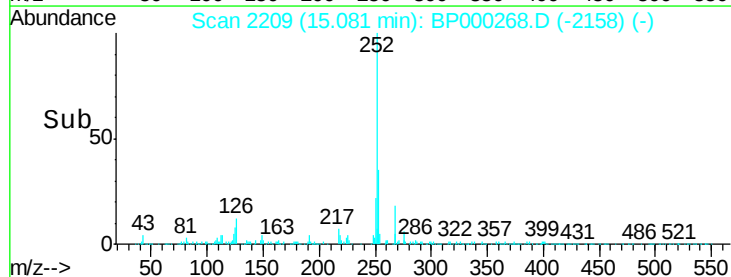
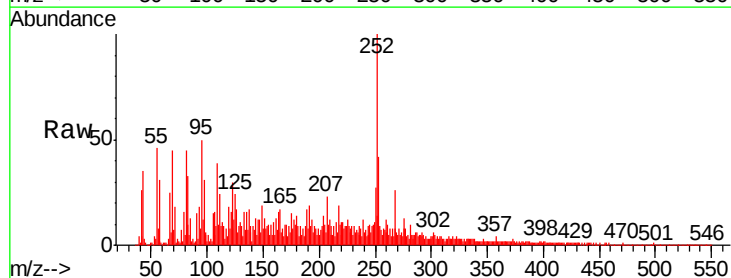
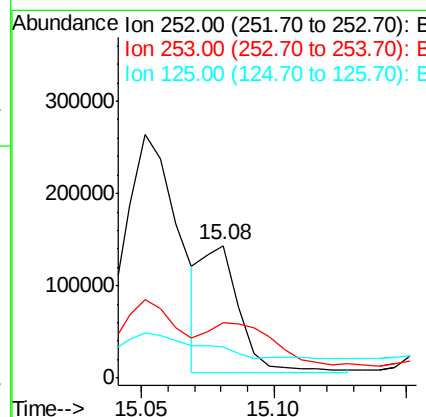
Acq: 17 Sep 2019 13:24

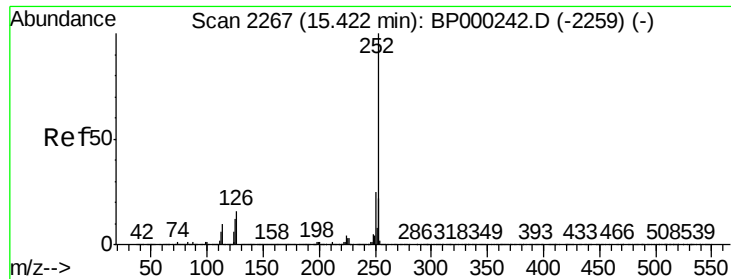
Tgt Ion: 252 Resp: 137937
Ion Ratio Lower Upper

252 100

253 41.9 17.8 26.8#

125 24.0 9.6 14.4#





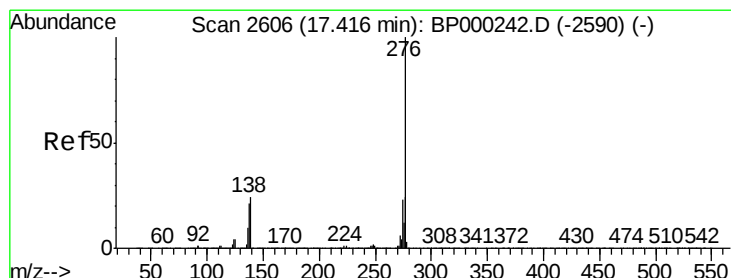
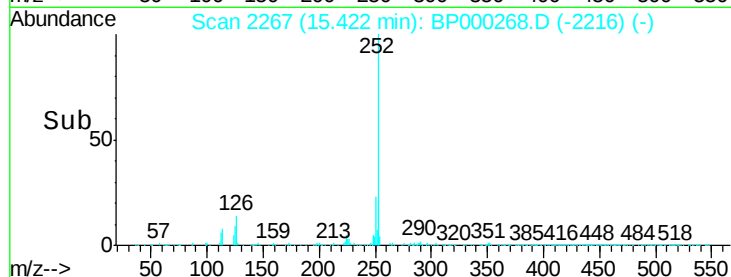
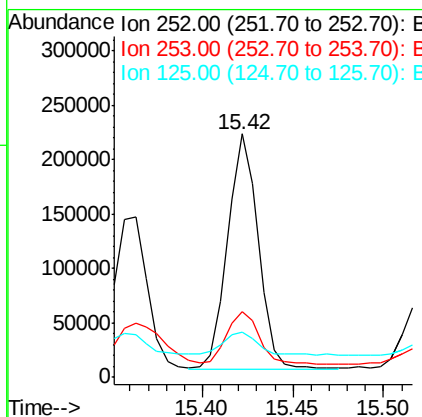
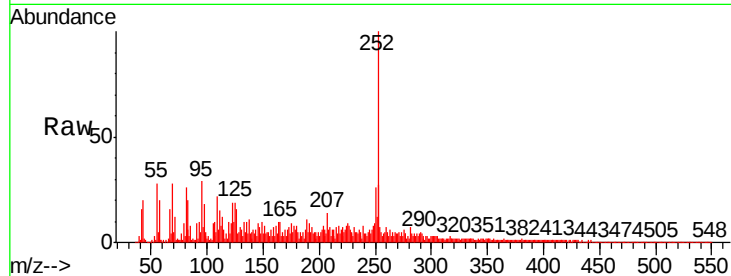
#90
Benzo(a)pyrene
Concen: 7.055 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BP000268.D
Acq: 17 Sep 2019 13:24

Instrument :
BNA_P
ClientSampled :
CSA-4-5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.7	26.5#
125	18.6	10.0	15.0#

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#92
Benzo(g,h,i)perylene
Concen: 3.490 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.01 min
Lab File: BP000268.D
Acq: 17 Sep 2019 13:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.0	19.1	28.7#
138	27.8	19.5	29.3

