

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
 Data File : BP000281.D
 Acq On : 17 Sep 2019 18:37
 Operator : HP/JU
 Sample : K4878-06 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CSA-2-7

Manual Integrations
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 9/19/2019 4:46:31 PM

Quant Time: Sep 18 08:50:07 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	232123	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	840863	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	441570	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	792835	20.00	ng	0.00
76) Chrysene-d12	13.99	240	750492	20.00	ng	0.00
87) Perylene-d12	15.48	264	562466	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	51202	3.81	ng	0.00
7) Phenol-d6	6.42	99	68562	4.16	ng	0.00
23) Nitrobenzene-d5	7.35	82	9729	0.75	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	8884	2.03	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	79048	3.22	ng	0.00
79) Terphenyl-d14	12.93	244	91914	2.57	ng	0.00
Target Compounds						
71) Phenanthrene	11.35	178	568326	14.304	ng	99
72) Anthracene	11.40	178	174741	4.273	ng	98
75) Fluoranthene	12.55	202	952232	22.320	ng	97
78) Pyrene	12.78	202	833558	14.845	ng	99
81) Benzo(a)anthracene	13.99	228	503863	10.629	ng	99
83) Chrysene	14.02	228	416906	8.957	ng	96
86) Indeno(1,2,3-cd)pyrene	16.96	276	130213	2.295	ng	# 91
88) Benzo(b)fluoranthene	15.05	252	430863m	12.841	ng	
89) Benzo(k)fluoranthene	15.07	252	155331m	5.307	ng	
90) Benzo(a)pyrene	15.42	252	293319	9.607	ng	97
92) Benzo(g,h,i)perylene	17.41	276	111137	3.798	ng	97

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

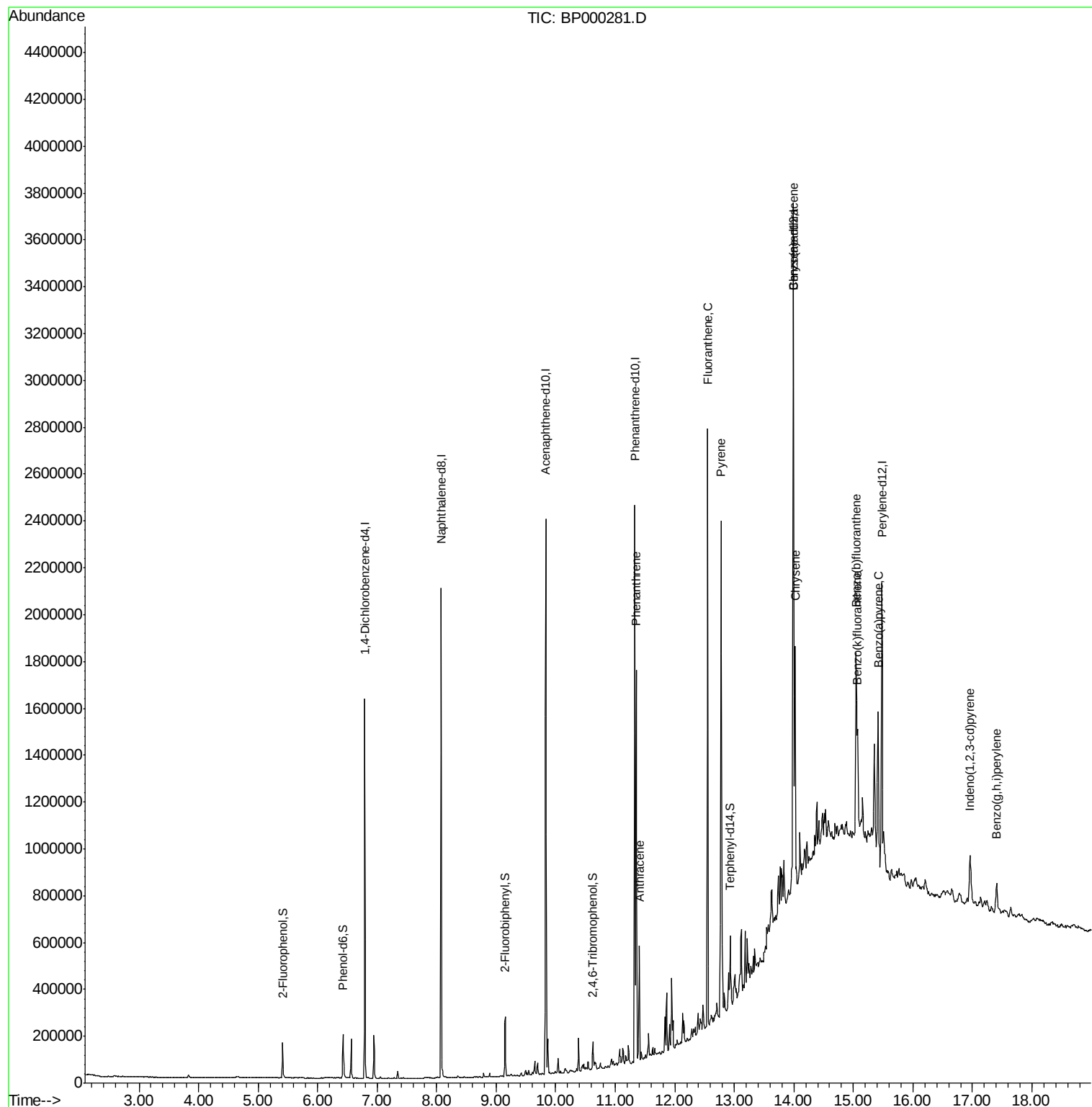
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000281.D
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Misc :
ALS Vial : 21 Sample Multiplier: 1

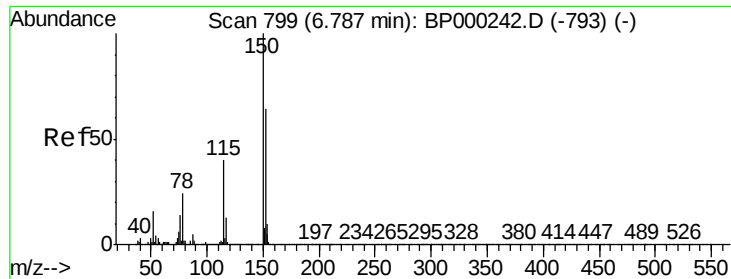
Instrument :
BNA_P
ClientSampled :
CSA-2-7

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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

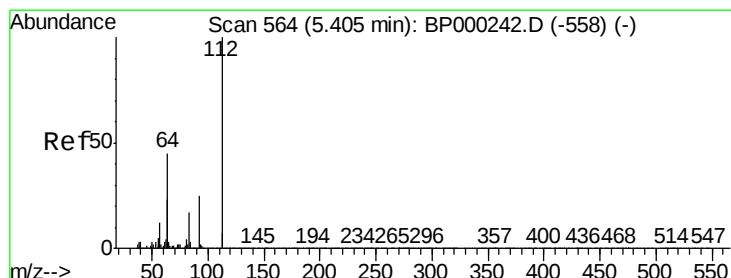
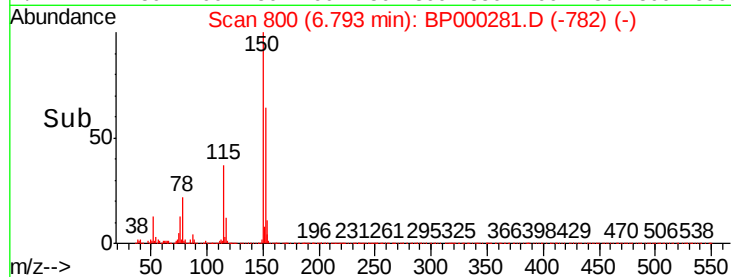
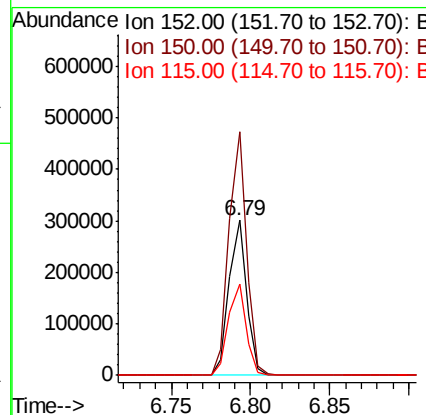
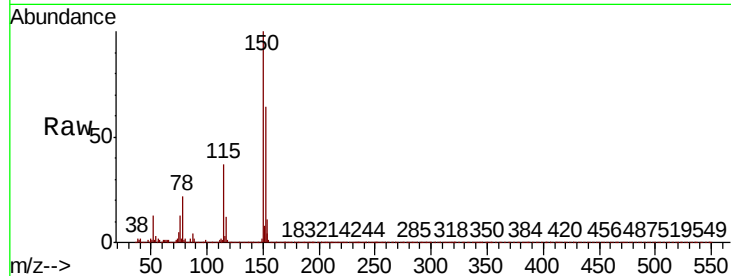
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000281.D
Acq: 17 Sep 2019 18:37

Instrument :
BNA_P
ClientSampleId :
CSA-2-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	125.2	187.8
115	58.6	49.7	74.5

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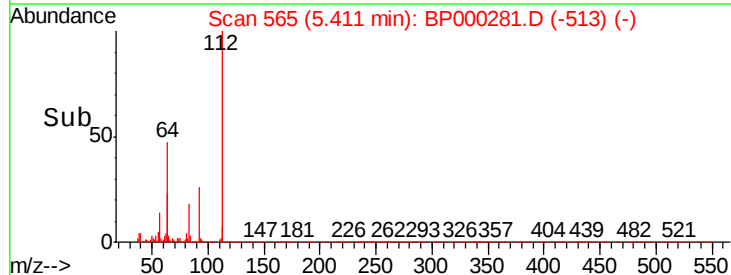
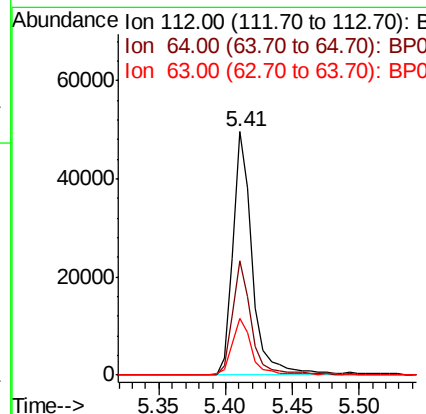
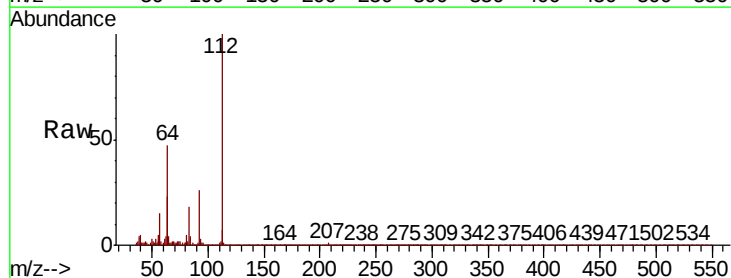
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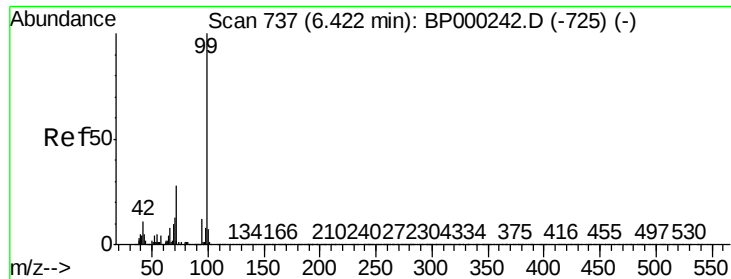


#5

2-Fluorophenol
Concen: 3.808 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000281.D
Acq: 17 Sep 2019 18:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.0	36.2	54.4
63	23.3	18.3	27.5





#7

Phenol-d6

Concen: 4.160 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BP000281.D

Acq: 17 Sep 2019 18:37

Instrument :

BNA_P

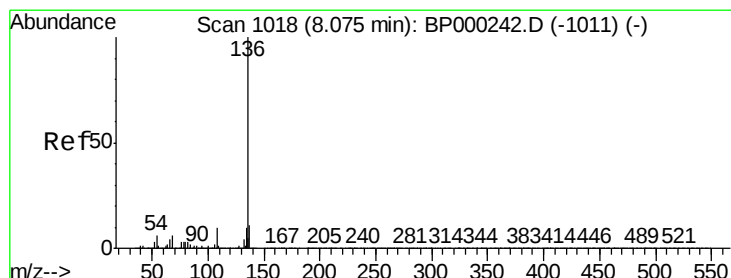
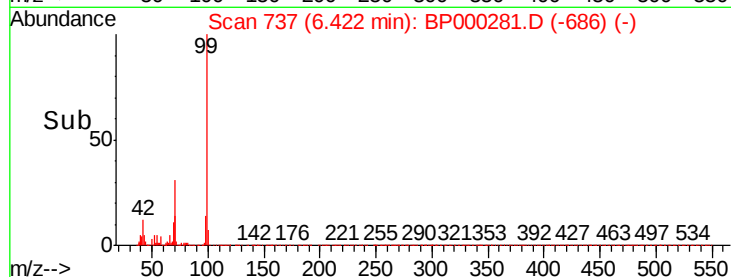
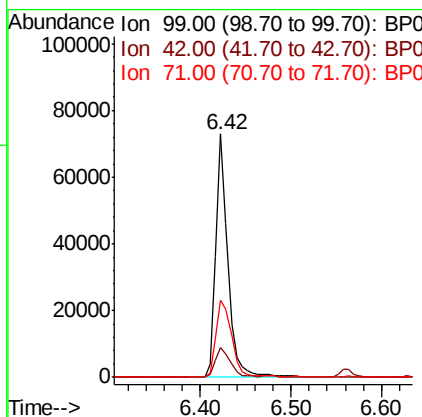
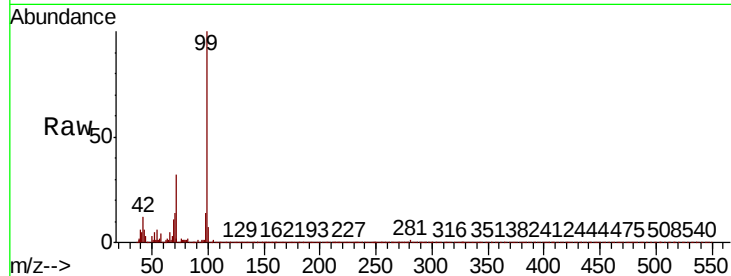
ClientSampleId :

CSA-2-7

Tot Ion:	99	Resp:	68562
Ion Ratio	Lower	Upper	
99	100		
42	12.1	8.5	12.7
71	31.7	22.6	34.0

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#21

Naphthalene-d8

Concen: 20.000 ng

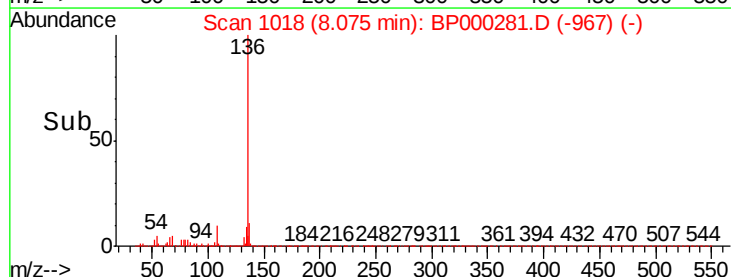
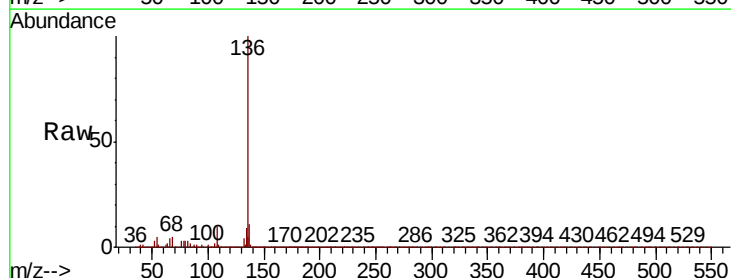
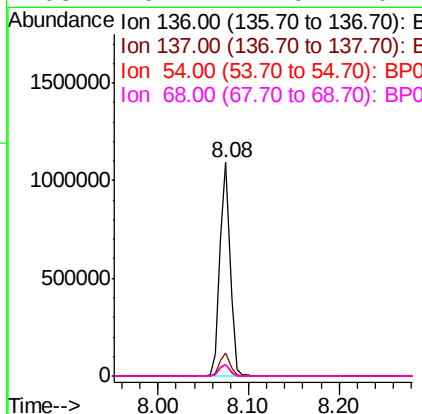
RT: 8.08 min Scan# 1018

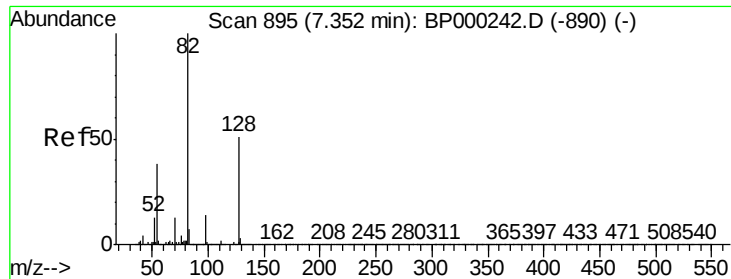
Delta R.T. 0.00 min

Lab File: BP000281.D

Acq: 17 Sep 2019 18:37

Tgt Ion:	136	Resp:	840863
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	5.2	4.5	6.7
68	5.2	4.5	6.7





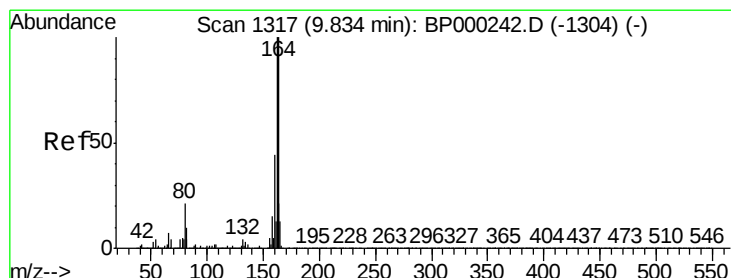
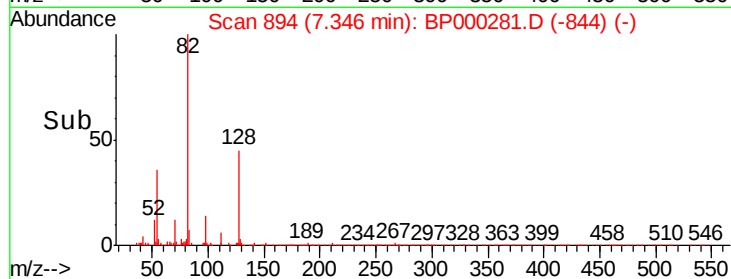
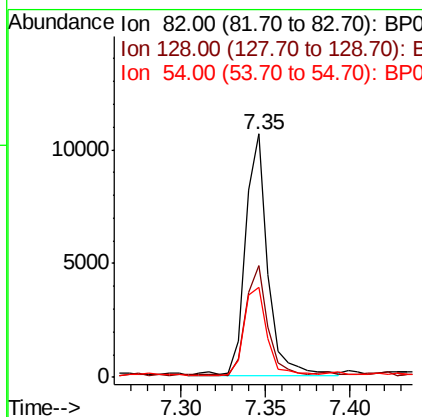
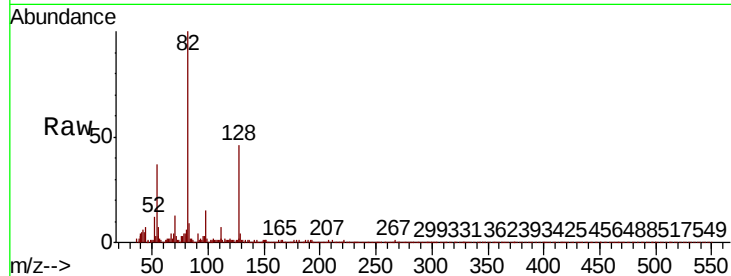
#23
Nitrobenzene-d5
Concen: 0.747 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000281.D
Acq: 17 Sep 2019 18:37

Instrument :
BNA_P
ClientSampleId :
CSA-2-7

Tot Ion:	82	Resp:	9729
Ion Ratio	Lower	Upper	
82	100		
128	46.1	40.7	61.1
54	36.7	30.1	45.1

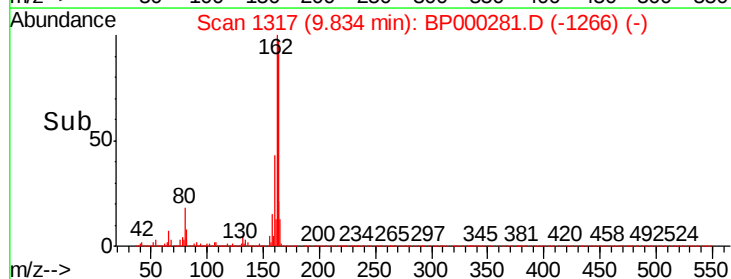
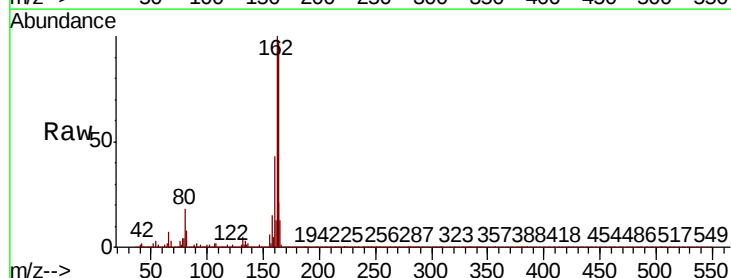
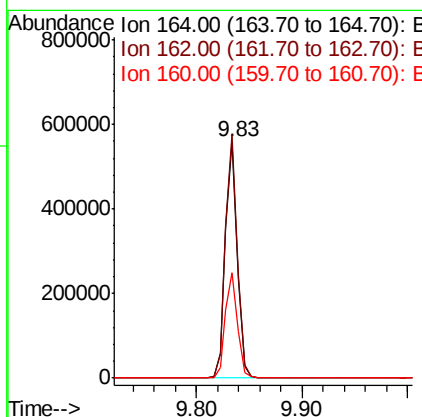
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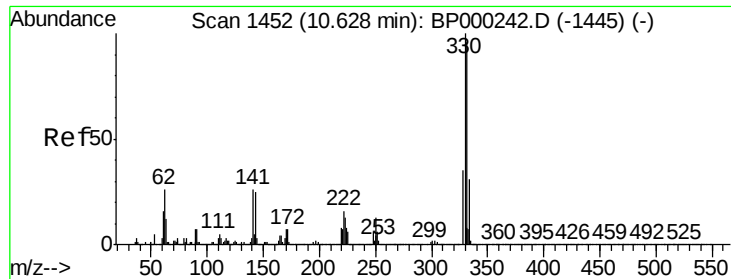
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000281.D
Acq: 17 Sep 2019 18:37

Tgt Ion:	164	Resp:	441570
Ion Ratio	Lower	Upper	
164	100		
162	103.0	79.9	119.9
160	44.5	35.6	53.4





#42

2,4,6-Tribromophenol

Concen: 2.028 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BP000281.D

Acq: 17 Sep 2019 18:37

Instrument :

BNA_P

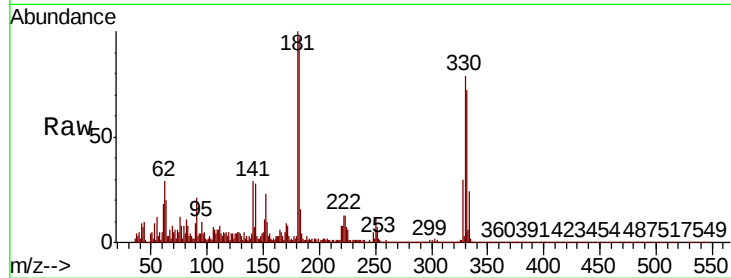
ClientSampled :

CSA-2-7

Tot Ion:	330	Resp:	8884
Ion Ratio	Lower	Upper	
330	100		
332	93.7	76.6	115.0
141	32.0	26.5	39.7

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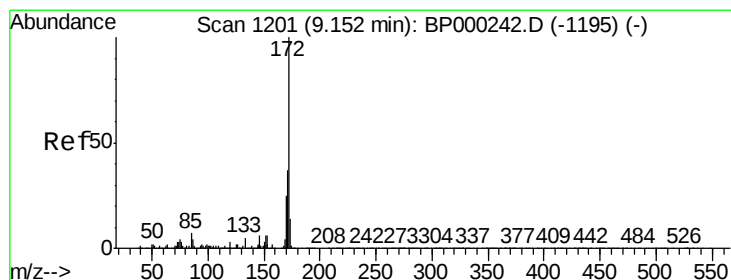
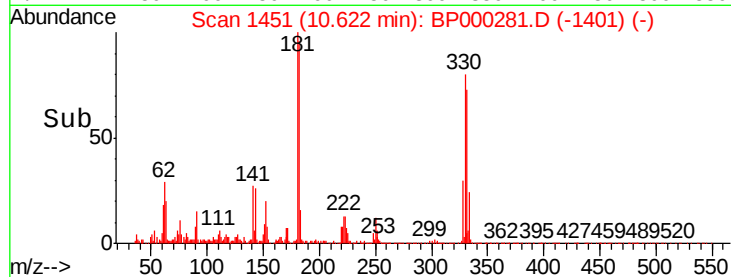
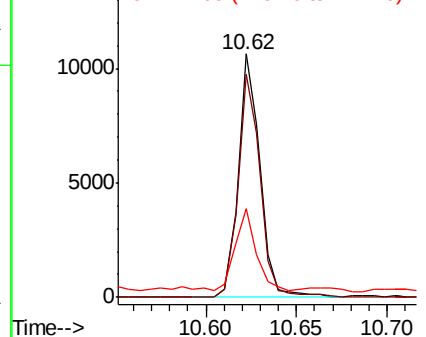


Abundance

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: 3.222 ng

RT: 9.15 min Scan# 1201

Delta R.T. 0.00 min

Lab File: BP000281.D

Acq: 17 Sep 2019 18:37

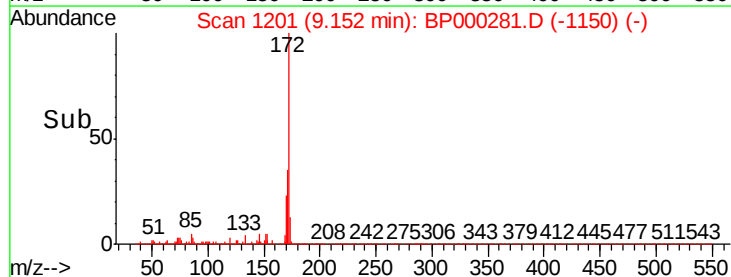
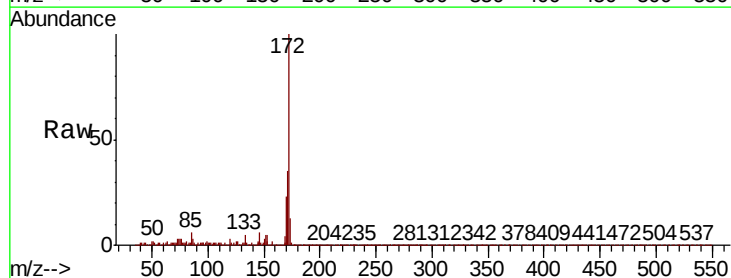
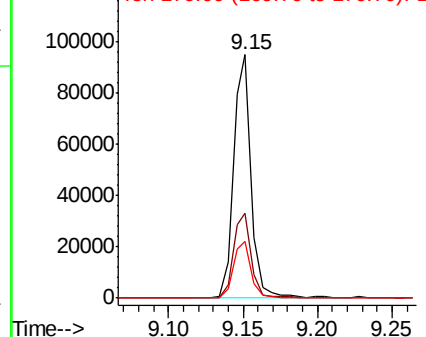
Tgt Ion:	172	Resp:	79048
Ion Ratio	Lower	Upper	
172	100		
171	35.0	29.8	44.6
170	23.5	19.8	29.6

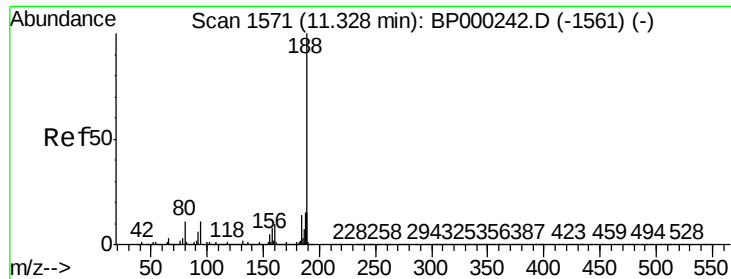
Abundance

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





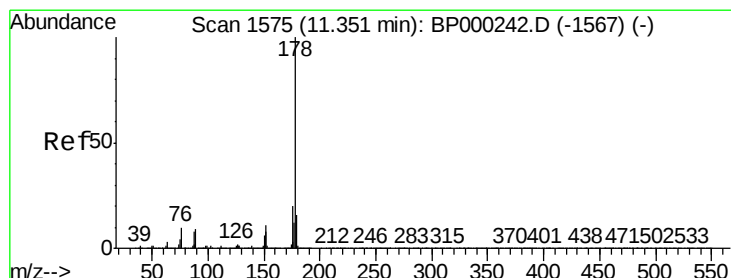
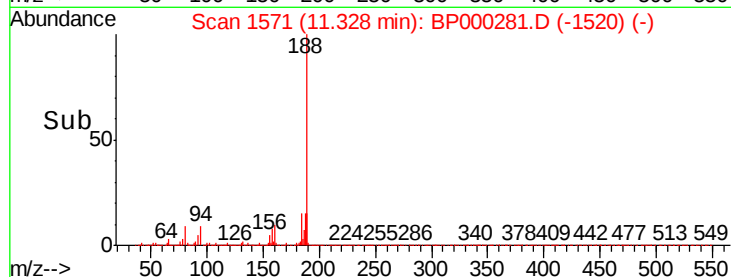
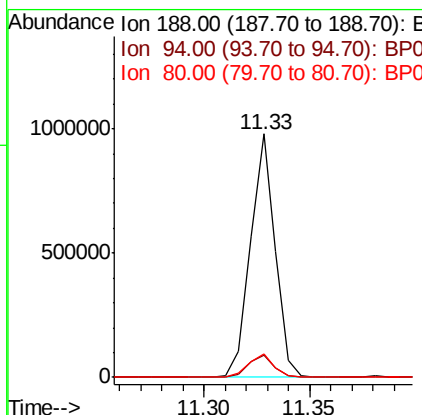
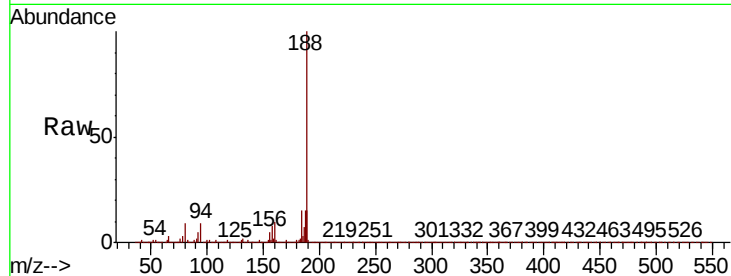
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BP000281.D
Acq: 17 Sep 2019 18:37

Instrument :
BNA_P
ClientSampled :
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Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.1	8.5	12.7
80	9.4	8.6	13.0

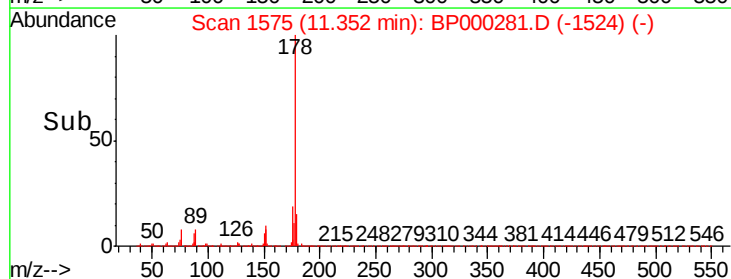
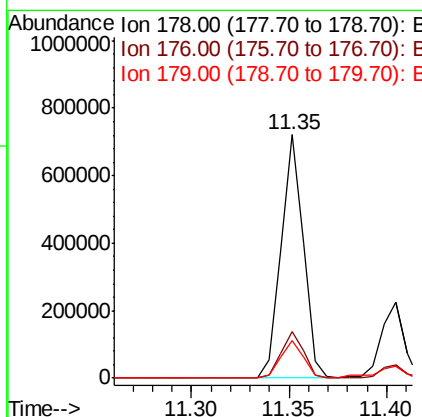
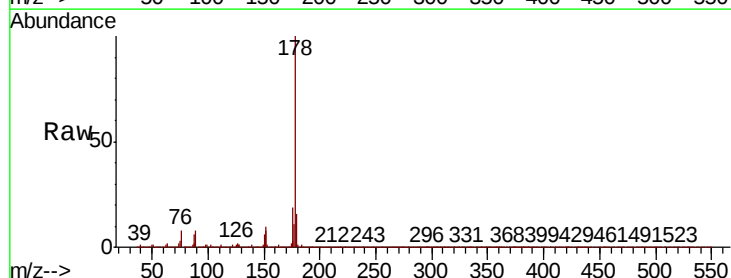
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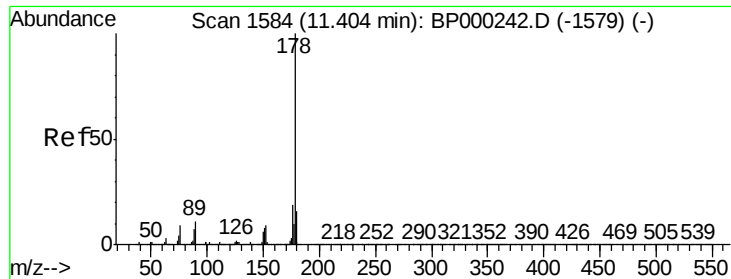
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#71
Phenanthrene
Concen: 14.304 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BP000281.D
Acq: 17 Sep 2019 18:37

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.6	12.7	19.1





#72

Anthracene

Concen: 4.273 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BP000281.D

Acq: 17 Sep 2019 18:37

Instrument :

BNA_P

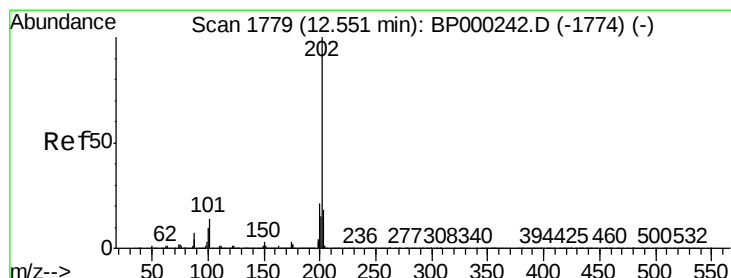
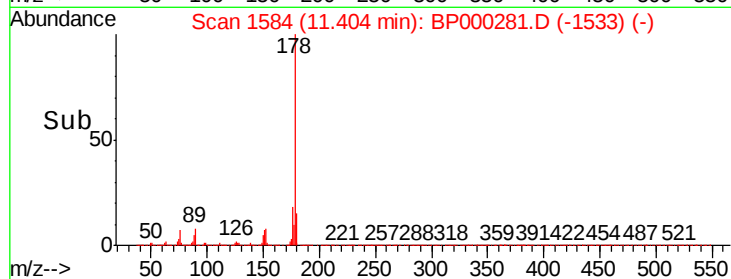
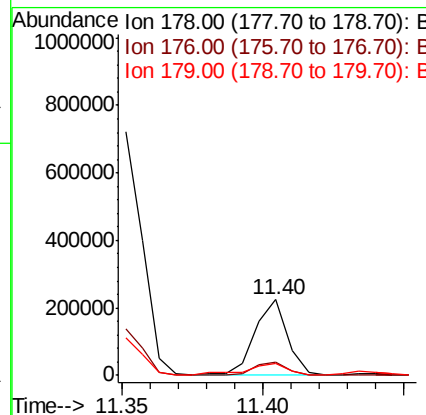
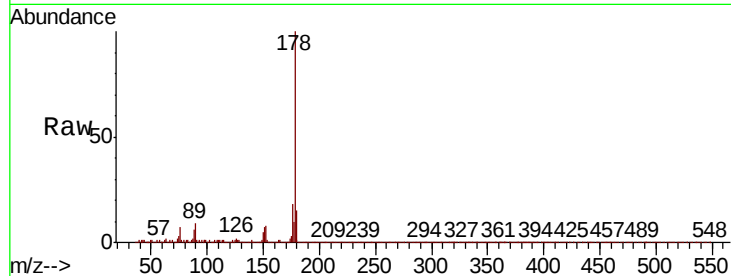
ClientSampled :

CSA-2-7

Tot Ion:	178	Resp:	174741
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.4	23.0
179	15.1	12.7	19.1

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#75

Fluoranthene

Concen: 22.320 ng

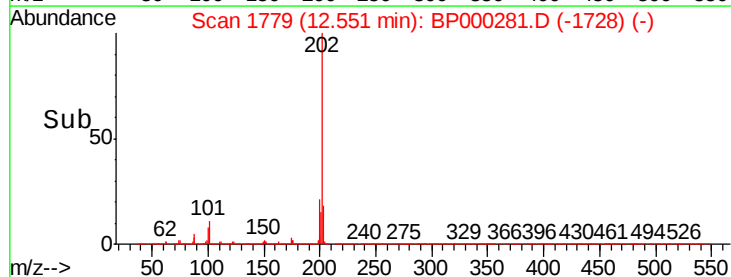
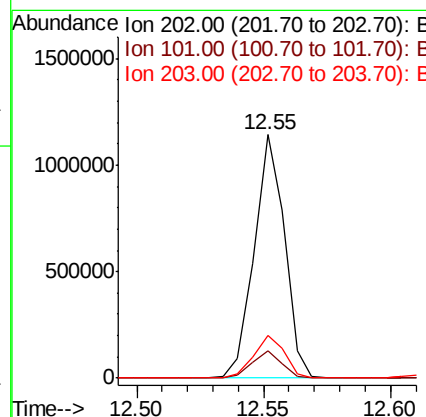
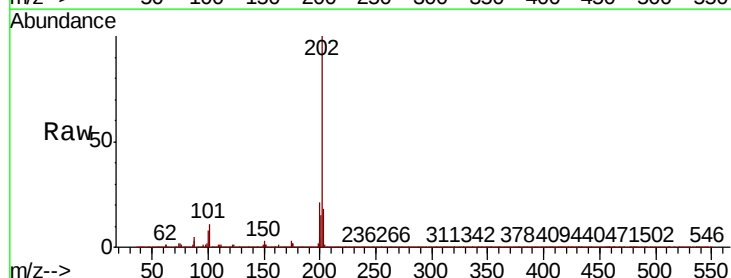
RT: 12.55 min Scan# 1779

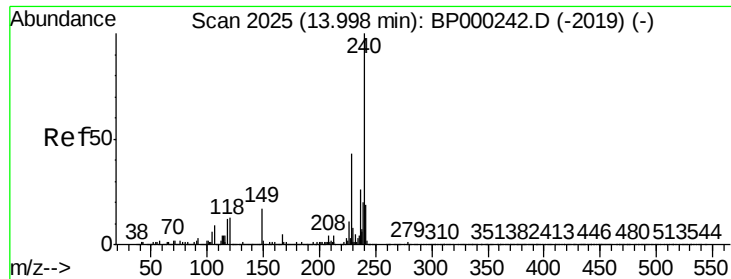
Delta R.T. 0.00 min

Lab File: BP000281.D

Acq: 17 Sep 2019 18:37

Tgt Ion:	202	Resp:	952232
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	33.9
203	17.8	0.0	38.0





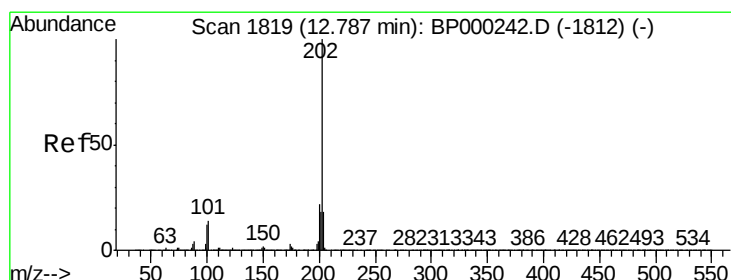
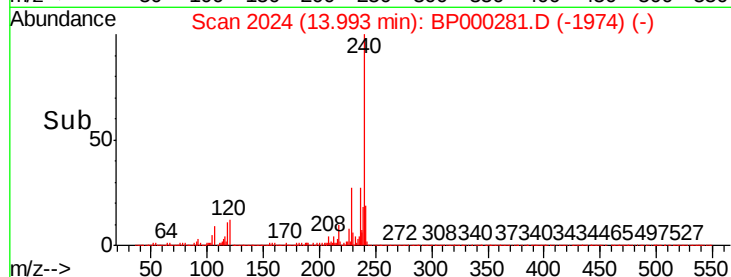
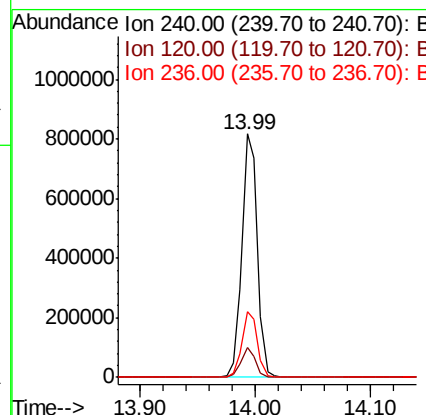
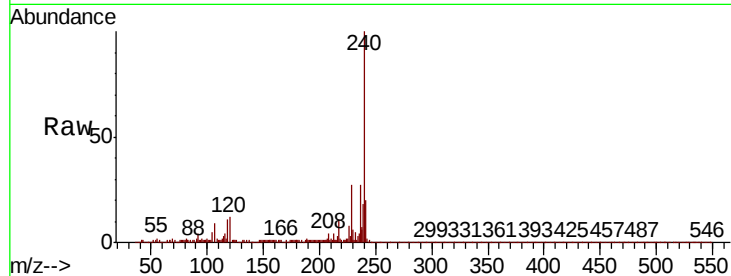
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BP000281.D
Acq: 17 Sep 2019 18:37

Instrument :
BNA_P
ClientSampled :
CSA-2-7

Tot Ion	Ratio	Resp	Lower	Upper
240	100	750492		
120	12.2		10.4	15.6
236	26.8		21.0	31.6

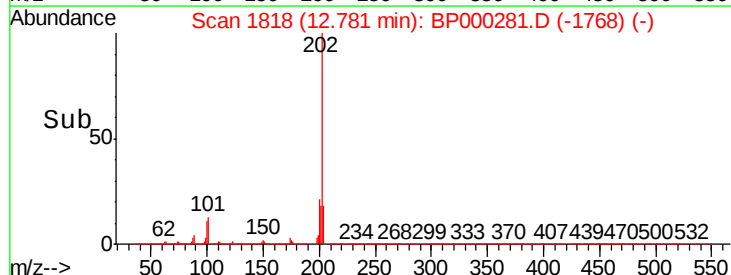
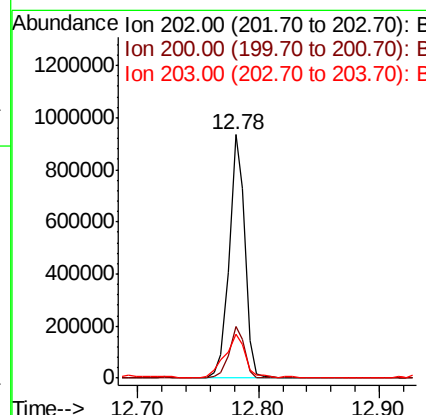
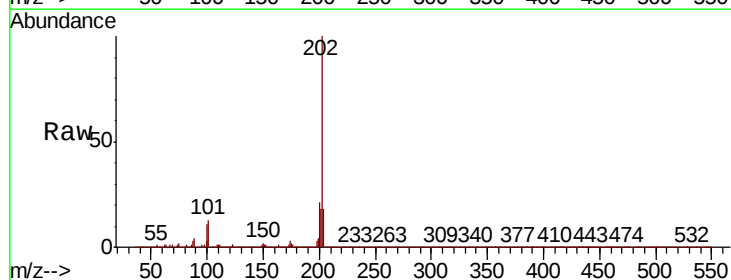
Manual Integrations
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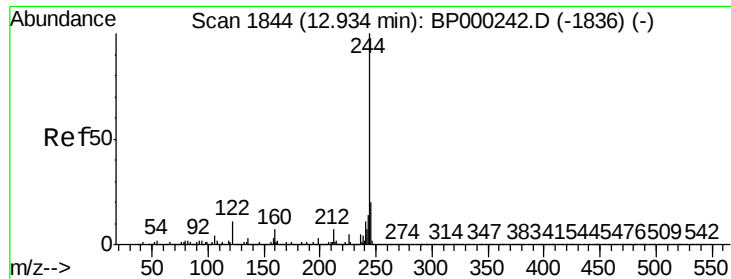
mohammad
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#78
Pyrene
Concen: 14.845 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000281.D
Acq: 17 Sep 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	833558		
200	21.1		17.5	26.3
203	18.0		14.3	21.5





#79

Terphenyl-d14

Concen: 2.569 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BP000281.D

Acq: 17 Sep 2019 18:37

Instrument :

BNA_P

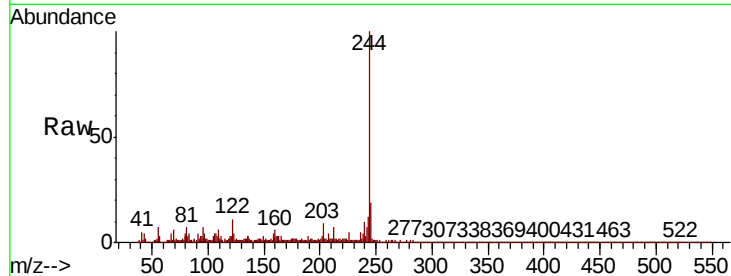
ClientSampled :

CSA-2-7

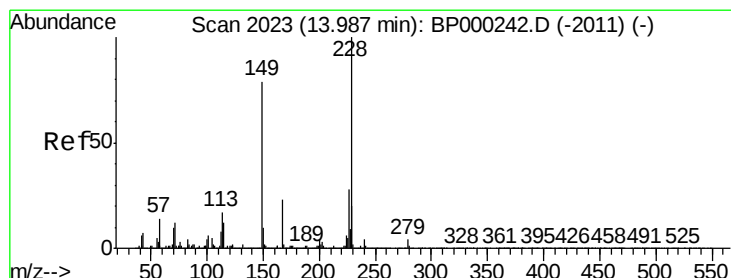
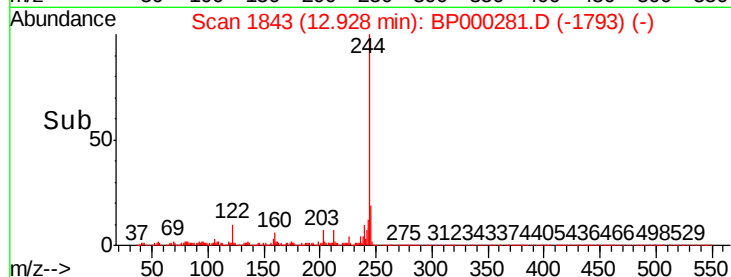
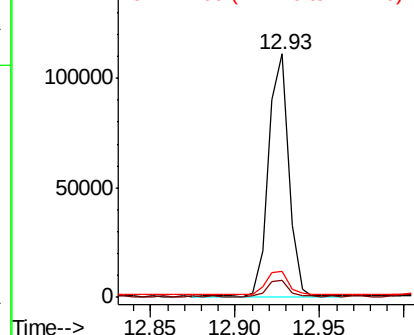
Tot Ion:	244	Resp:	91914
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.9	8.9
122	10.6	9.0	13.4

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



#81

Benzo(a)anthracene

Concen: 10.629 ng

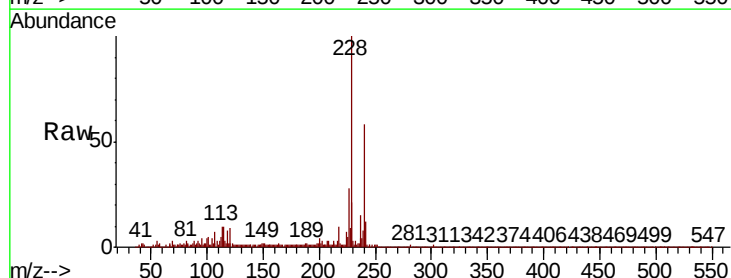
RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

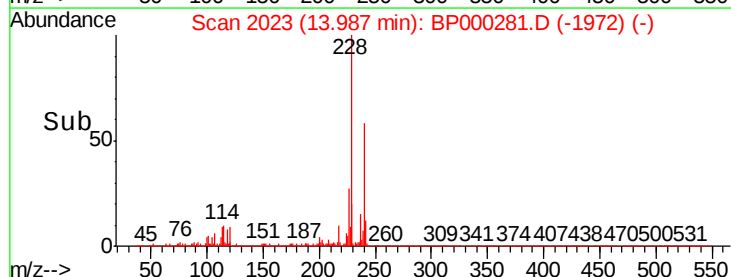
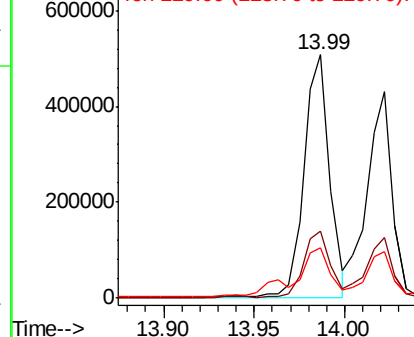
Lab File: BP000281.D

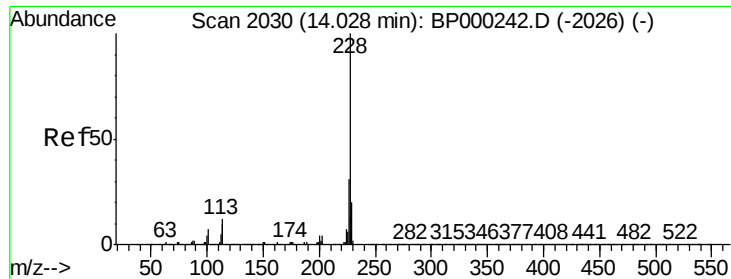
Acq: 17 Sep 2019 18:37

Tgt Ion:	228	Resp:	503863
Ion Ratio	Lower	Upper	
228	100		
226	27.6	22.2	33.4
229	20.7	16.0	24.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





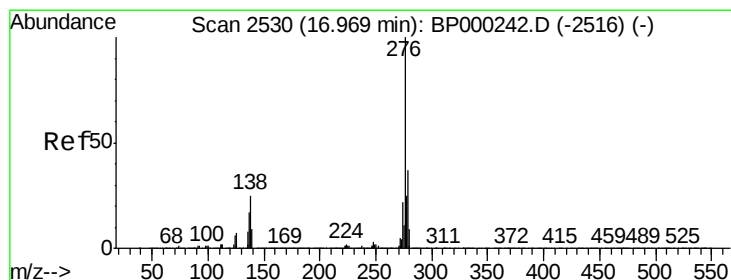
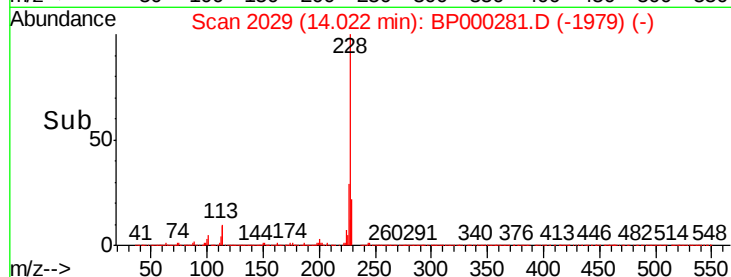
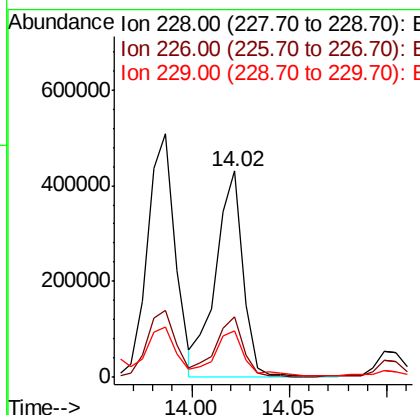
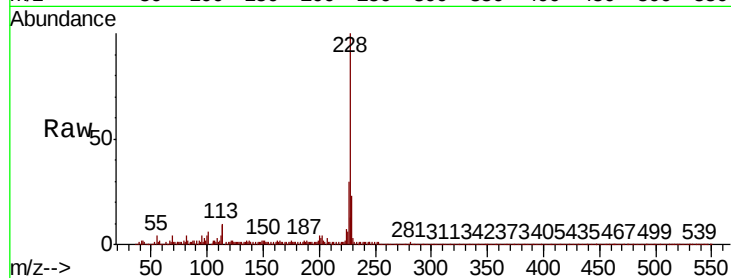
#83
Chrysene
Concen: 8.957 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BP000281.D
Acq: 17 Sep 2019 18:37

Instrument :
BNA_P
ClientSampleId :
CSA-2-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	22.5	16.2	24.2

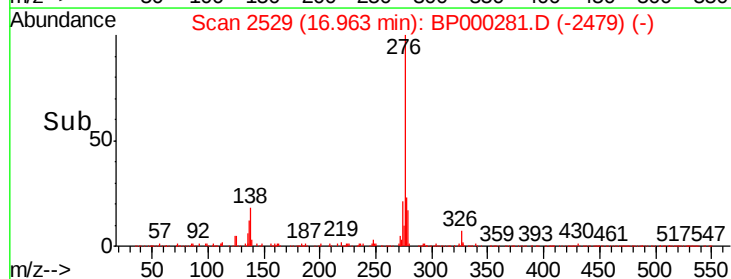
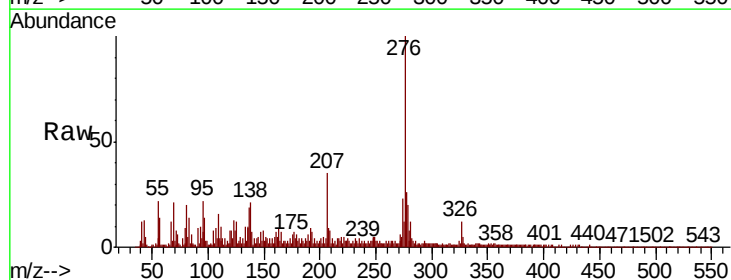
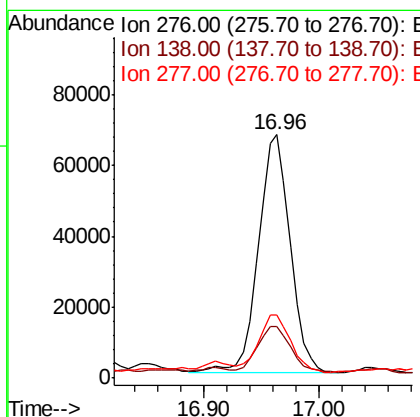
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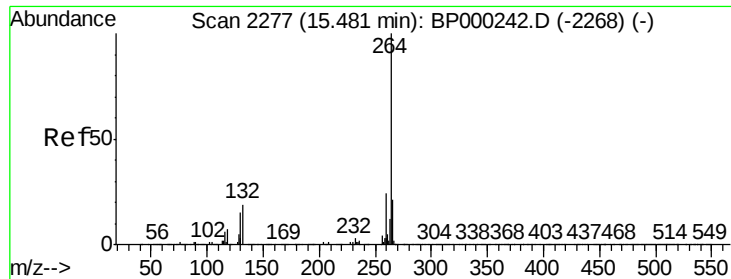
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.295 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BP000281.D
Acq: 17 Sep 2019 18:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	22.6	33.8#
277	24.5	20.4	30.6





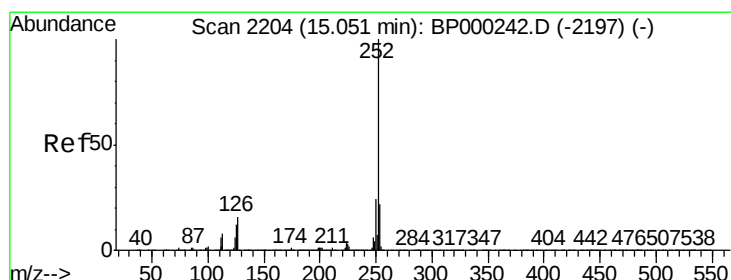
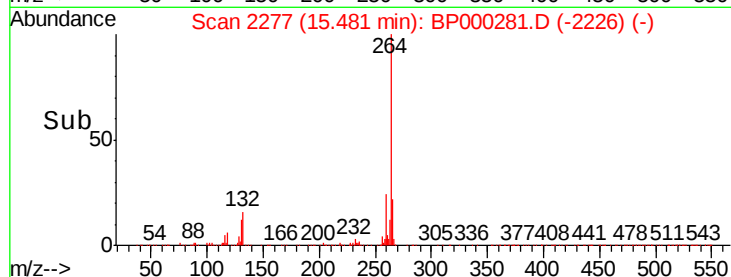
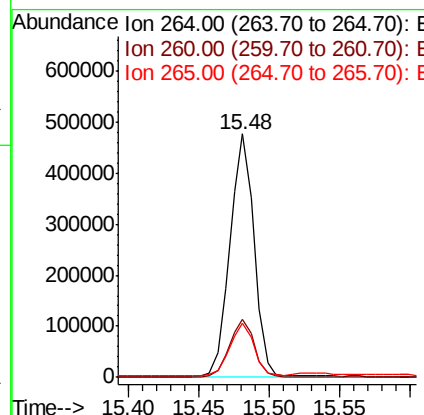
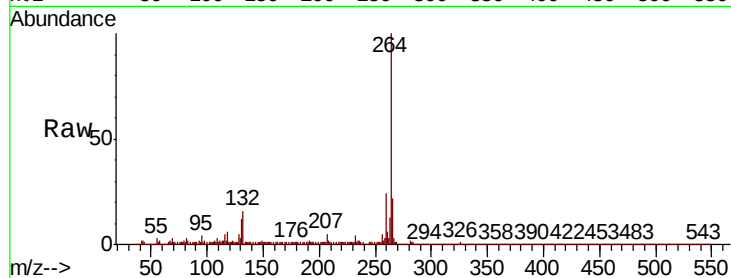
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BP000281.D
Acq: 17 Sep 2019 18:37

Instrument :
BNA_P
ClientSampleId :
CSA-2-7

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.0	18.9	28.3	
265	22.3	17.2	25.8	

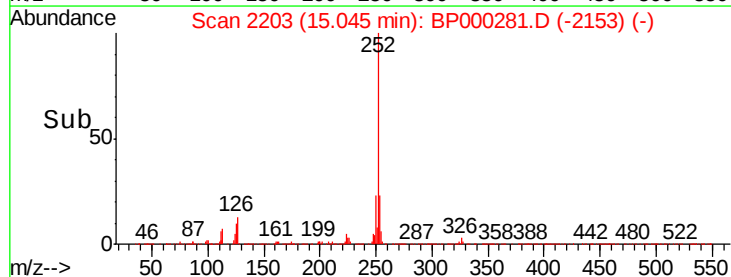
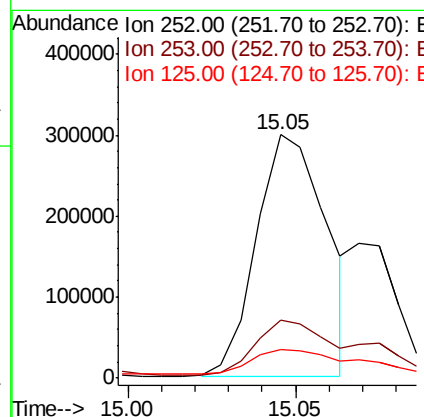
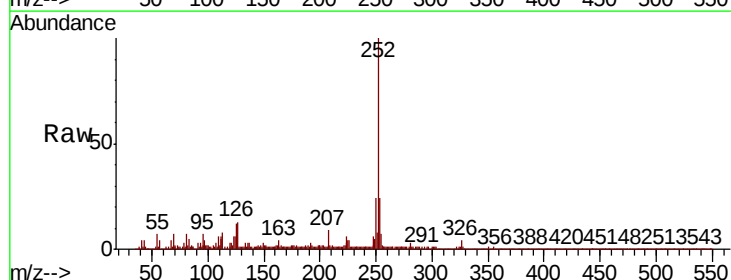
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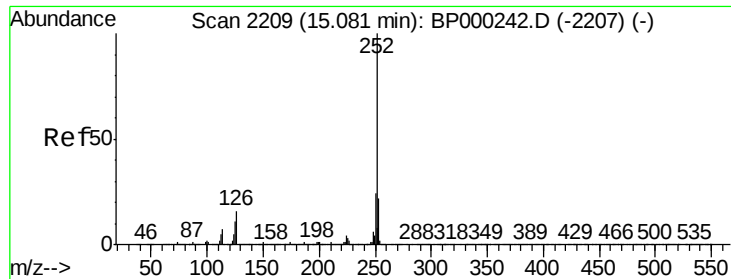
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#88
Benzo(b)fluoranthene
Concen: 12.841 ng m
RT: 15.05 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BP000281.D
Acq: 17 Sep 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.0	17.8	26.6	
125	12.0	9.5	14.3	





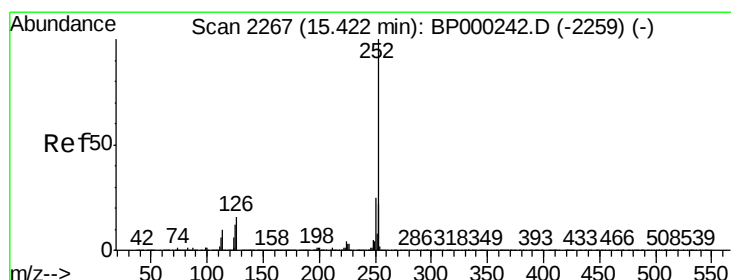
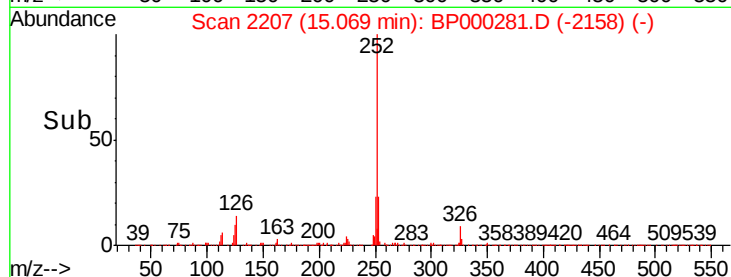
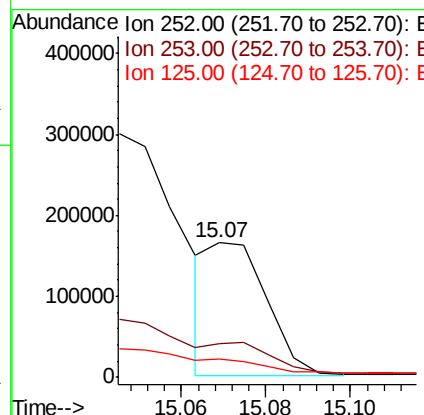
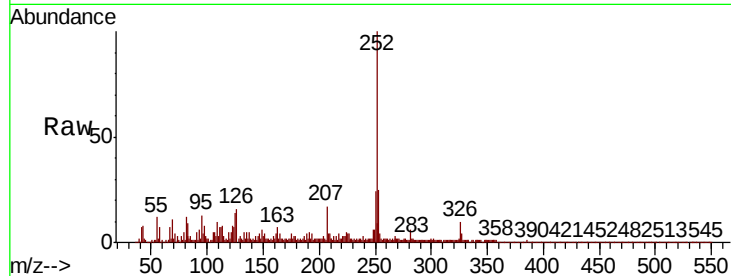
#89
Benzo(k)fluoranthene
Concen: 5.307 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BP000281.D
Acq: 17 Sep 2019 18:37

Instrument :
BNA_P
ClientSampleId :
CSA-2-7

Tot Ion:	252	Resp:	155331
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.8	26.8
125	13.5	9.6	14.4

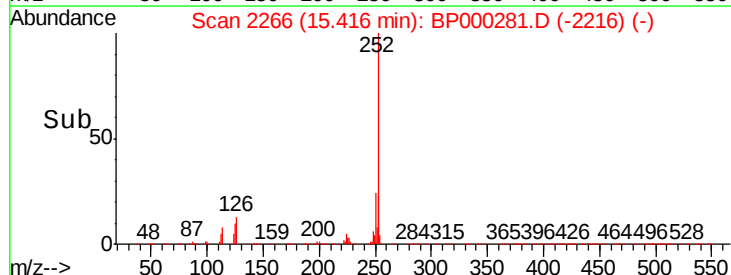
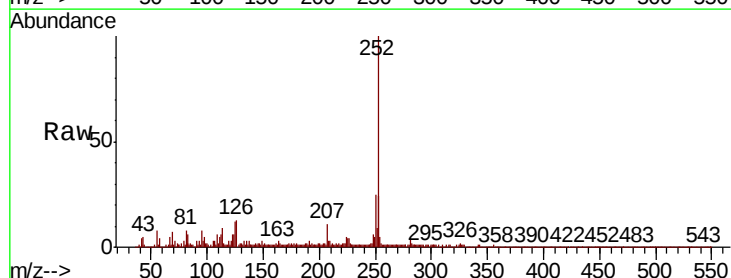
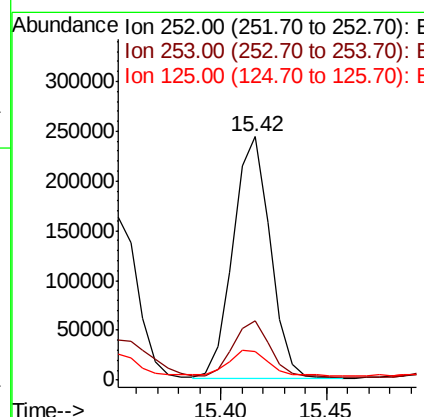
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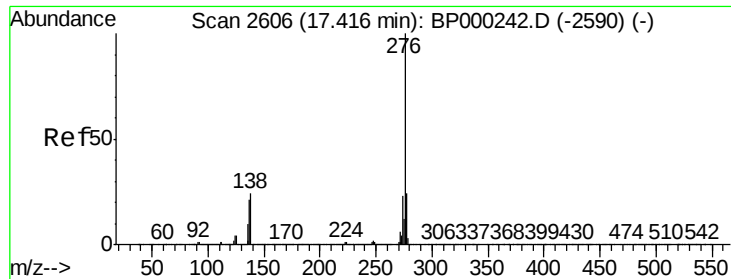
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#90
Benzo(a)pyrene
Concen: 9.607 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BP000281.D
Acq: 17 Sep 2019 18:37

Tgt Ion:	252	Resp:	293319
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.7	26.5
125	12.0	10.0	15.0





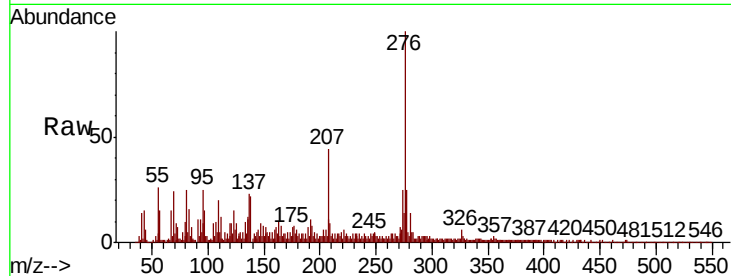
#92
 Benzo(a,h,i)perylene
 Concen: 3.798 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. -0.01 min
 Lab File: BP000281.D
 Acq: 17 Sep 2019 18:37

Instrument :
 BNA_P
 ClientSampleId :
 CSA-2-7

Tot Ion:	276	Resp:	111137
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.1	28.7
138	22.2	19.5	29.3

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

