

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
 Data File : BP000280.D
 Acq On : 17 Sep 2019 18:13
 Operator : HP/JU
 Sample : K4878-03 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CSA-2-6

Manual Integrations
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mohammad
 9/19/2019 4:46:30 PM

Quant Time: Sep 18 08:46:39 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	229837	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	831594	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	450740	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	818686	20.00	ng	0.00
76) Chrysene-d12	14.00	240	780637	20.00	ng	0.00
87) Perylene-d12	15.48	264	620489	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	24510	1.84	ng	0.01
7) Phenol-d6	6.42	99	28066	1.72	ng	0.00
23) Nitrobenzene-d5	7.35	82	3676	0.29	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	3713	0.83	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	40280	1.61	ng	0.00
79) Terphenyl-d14	12.93	244	47389	1.27	ng	0.00
Target Compounds						
71) Phenanthrene	11.35	178	125682	3.063	ng	99
75) Fluoranthene	12.55	202	280123	6.359	ng	96
78) Pyrene	12.78	202	244666	4.189	ng	98
81) Benzo(a)anthracene	13.99	228	152374	3.090	ng	95
83) Chrysene	14.02	228	127253m	2.628	ng	
88) Benzo(b)fluoranthene	15.05	252	133449m	3.605	ng	
90) Benzo(a)pyrene	15.42	252	91838	2.727	ng	# 89

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

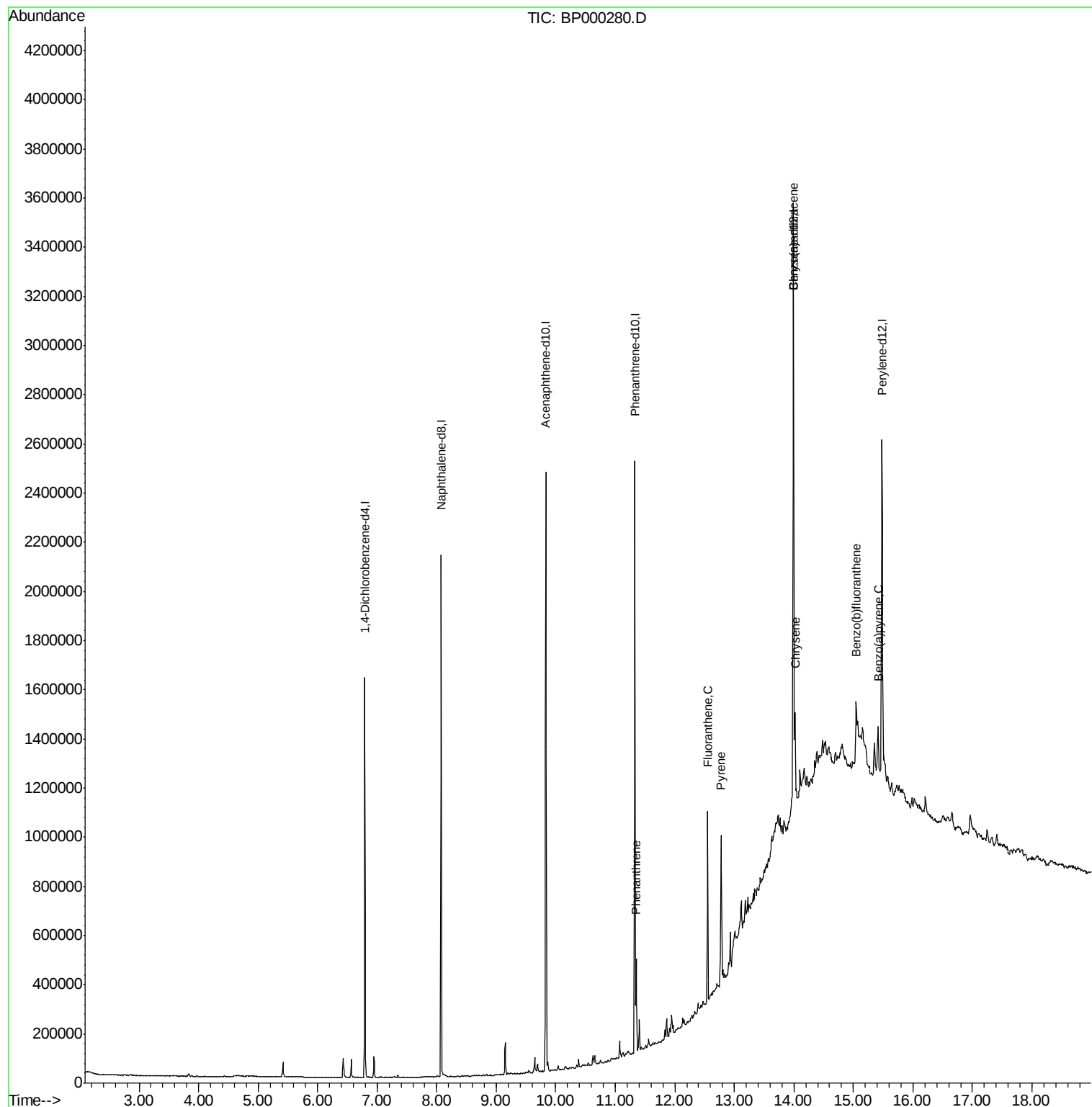
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000280.D
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Misc :
ALS Vial : 20 Sample Multiplier: 1

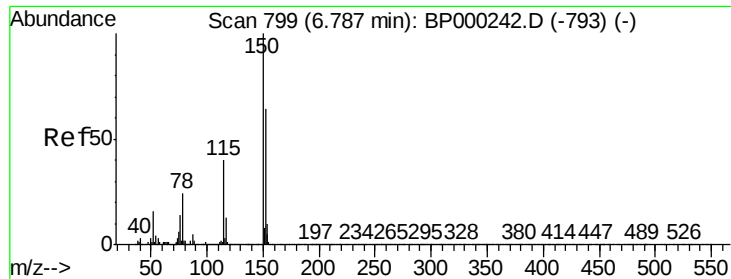
Instrument :
BNA_P
ClientSampleId :
CSA-2-6

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#1

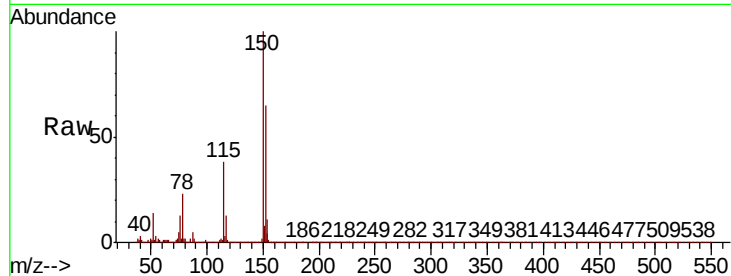
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000280.D
Acq: 17 Sep 2019 18:13

Instrument :
BNA_P
ClientSampleId :
CSA-2-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	125.2	187.8
115	58.9	49.7	74.5

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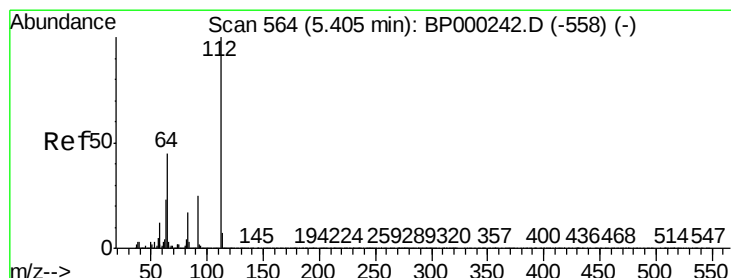
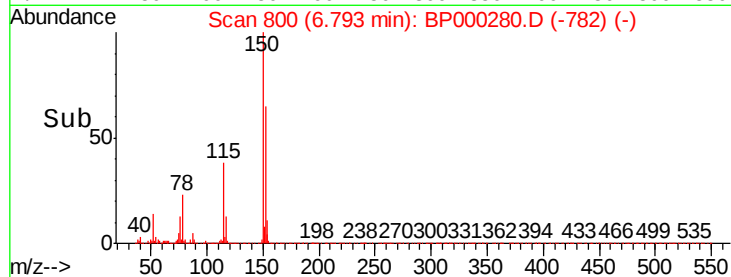
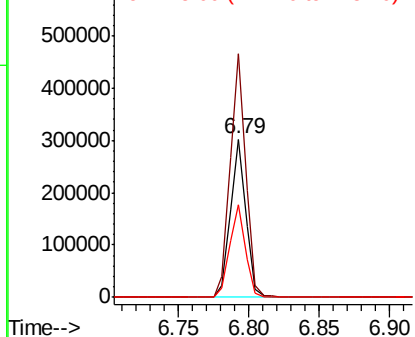


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

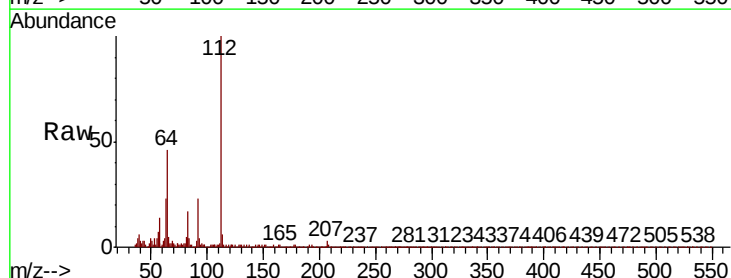
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 1.841 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BP000280.D
Acq: 17 Sep 2019 18:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.7	36.2	54.4
63	23.1	18.3	27.5

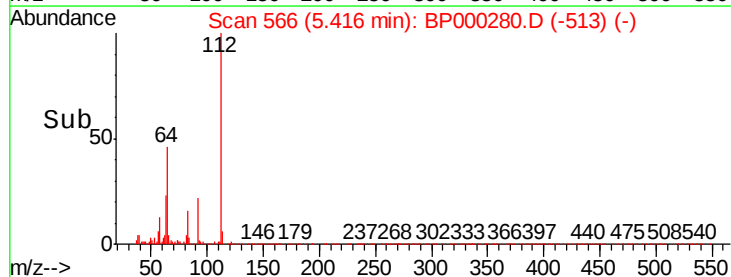
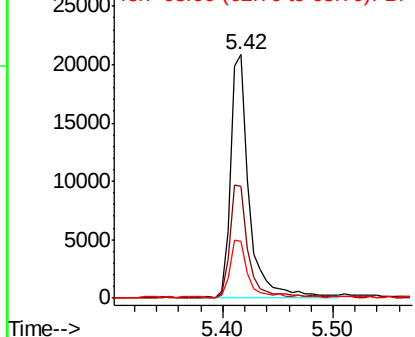


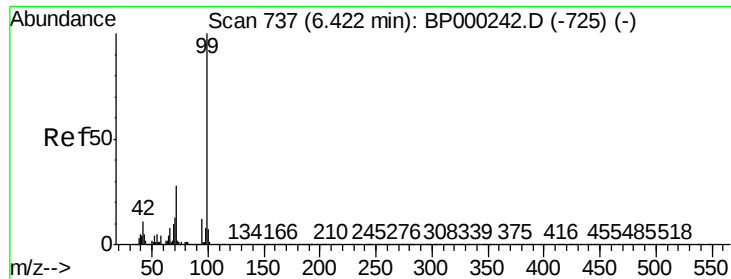
Abundance

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: 1.720 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BP000280.D

Acq: 17 Sep 2019 18:13

Instrument :

BNA_P

ClientSampleId :

CSA-2-6

Tot Ion: 99 Resp: 28066

Ion Ratio Lower Upper

99 100

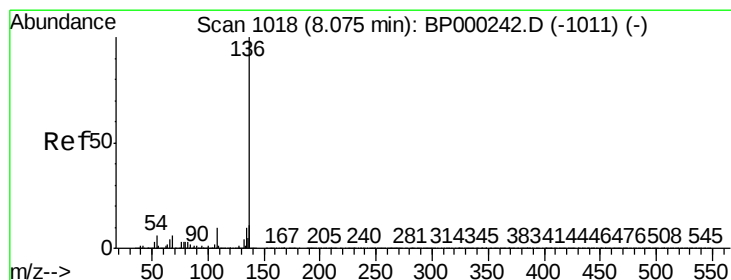
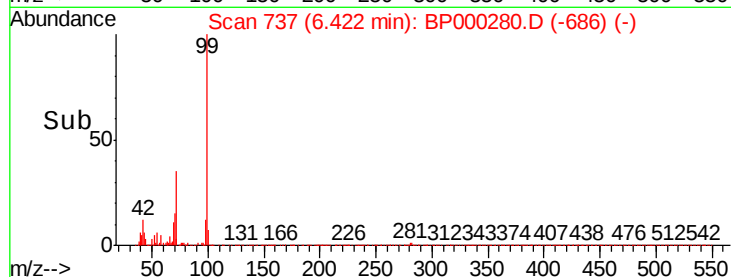
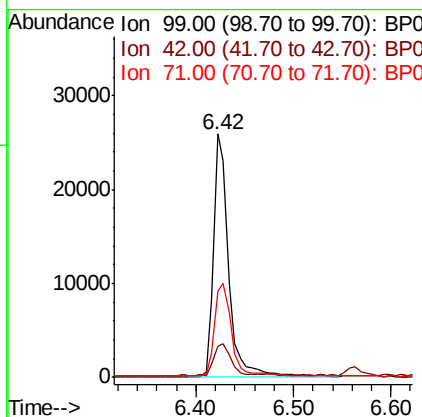
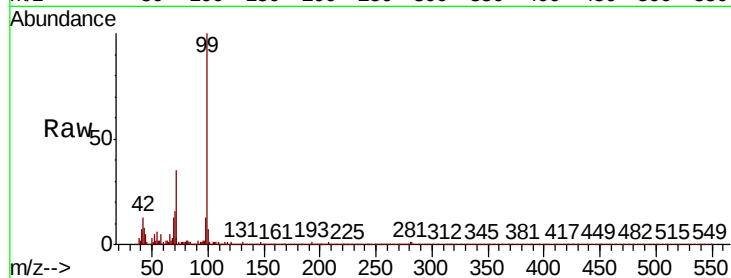
42 12.8 8.5 12.7#

71 35.2 22.6 34.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BP000280.D

Acq: 17 Sep 2019 18:13

Tgt Ion: 136 Resp: 831594

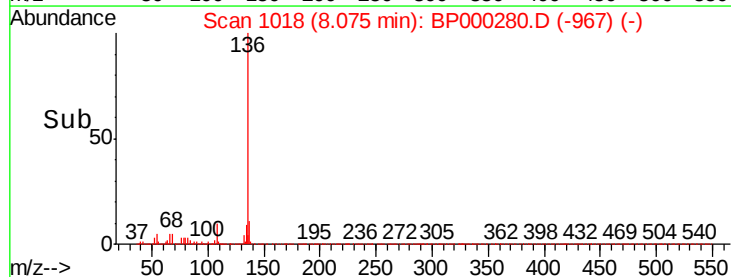
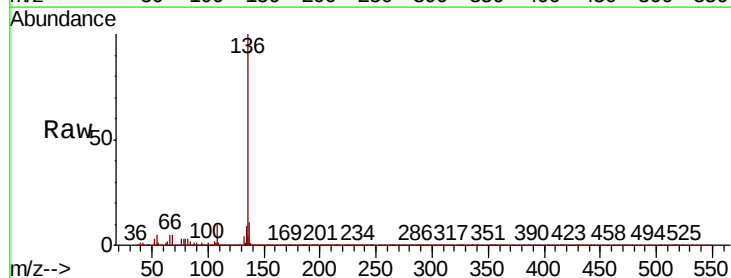
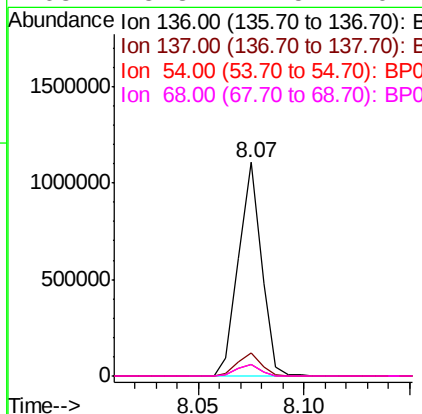
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 5.4 4.5 6.7

68 5.3 4.5 6.7





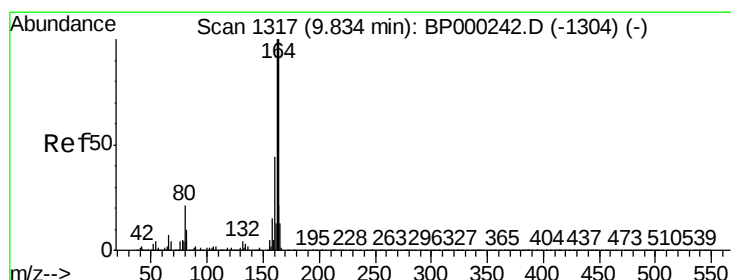
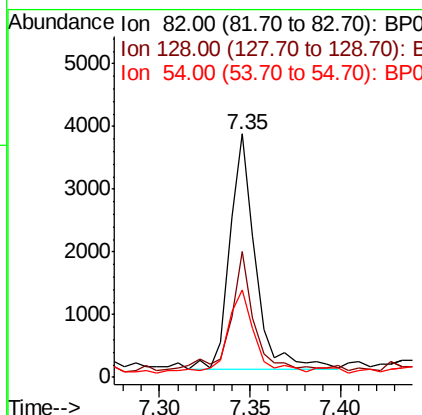
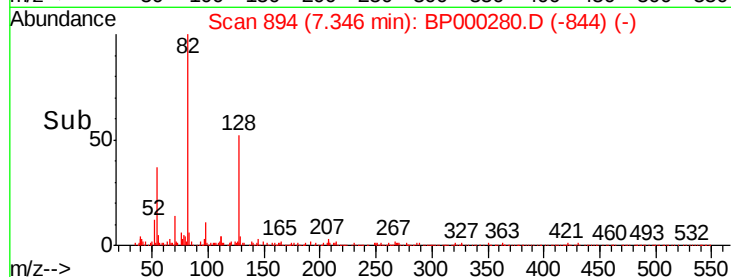
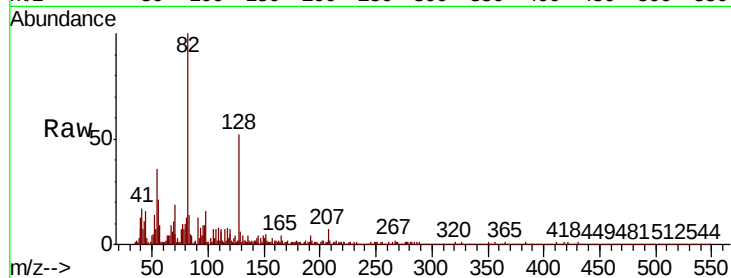
#23
Nitrobenzene-d5
Concen: 0.285 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000280.D
Acq: 17 Sep 2019 18:13

Instrument :
BNA_P
ClientSampled :
CSA-2-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.6	40.7	61.1
54	35.9	30.1	45.1

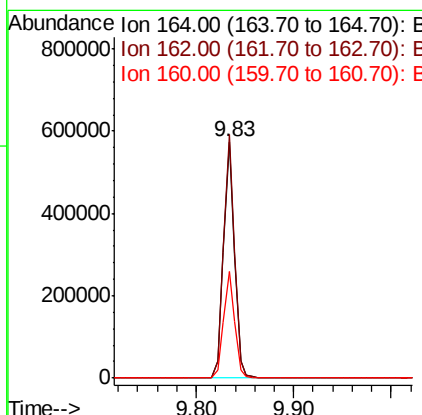
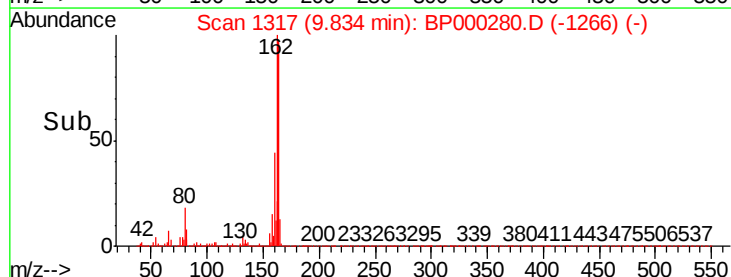
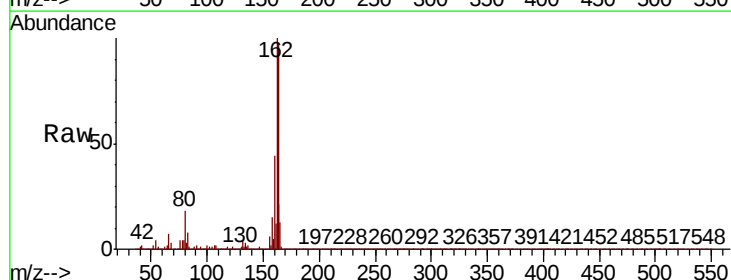
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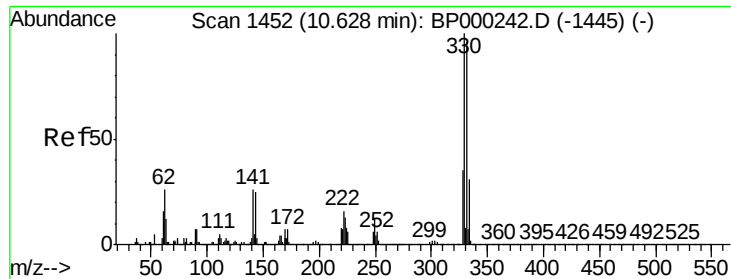
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000280.D
Acq: 17 Sep 2019 18:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	79.9	119.9
160	45.1	35.6	53.4





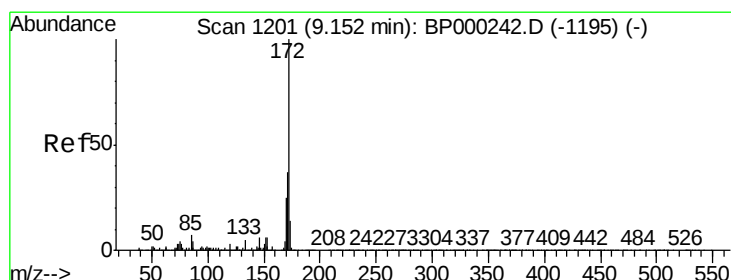
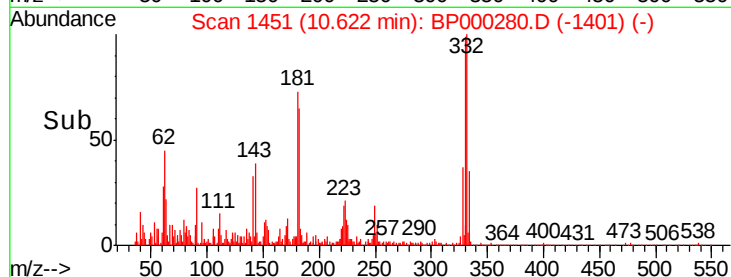
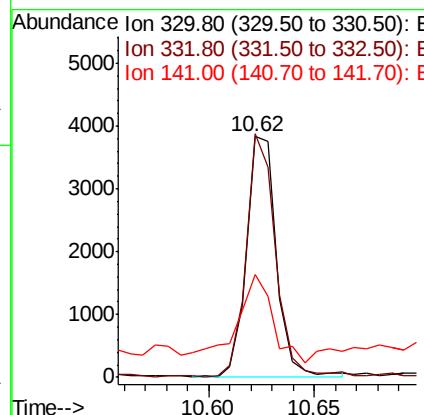
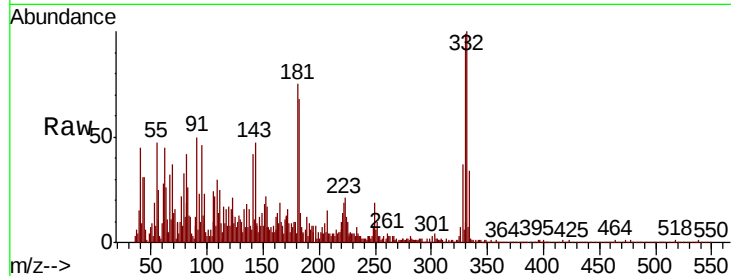
#42
2,4,6-Tribromophenol
Concen: 0.831 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000280.D
Acq: 17 Sep 2019 18:13

Instrument :
BNA_P
ClientSampled :
CSA-2-6

Tot Ion	Ratio	Resp	Lower	Upper
330	100	3713		
332	100.9	76.6	115.0	
141	44.7	26.5	39.7	

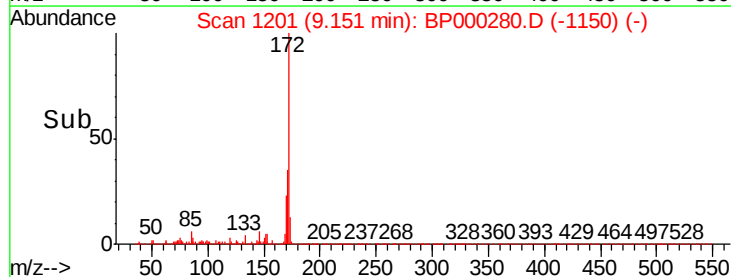
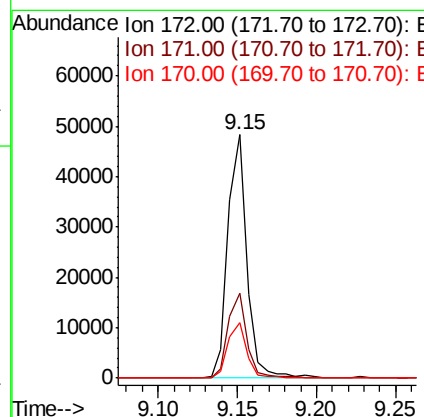
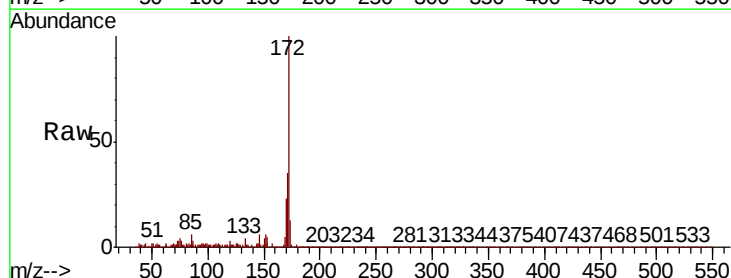
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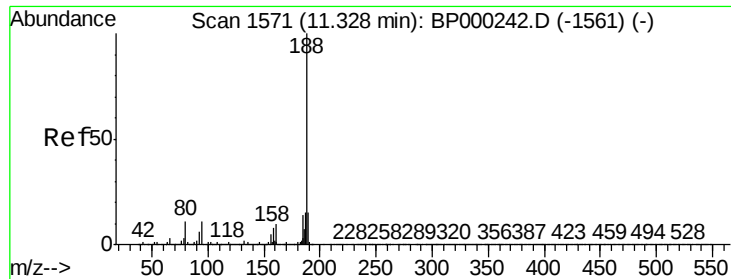
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#45
2-Fluorobiphenyl
Concen: 1.608 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000280.D
Acq: 17 Sep 2019 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	40280		
171	35.0	29.8	44.6	
170	22.9	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: BP000280.D

Acq: 17 Sep 2019 18:13

Instrument :

BNA_P

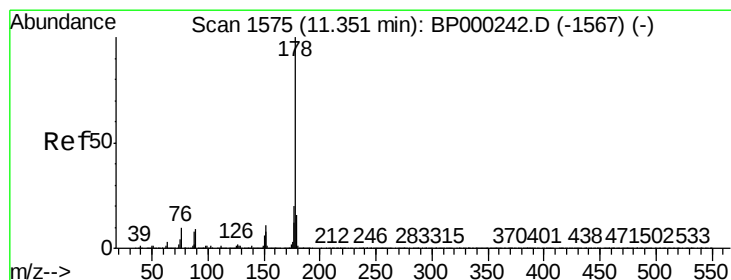
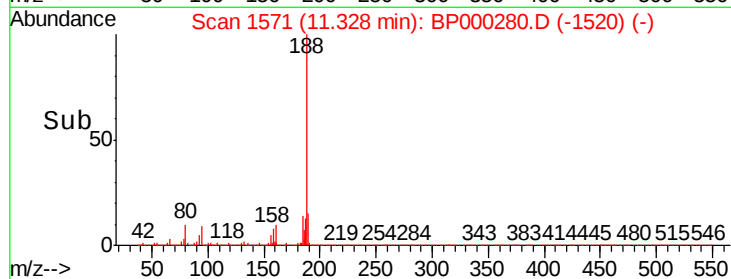
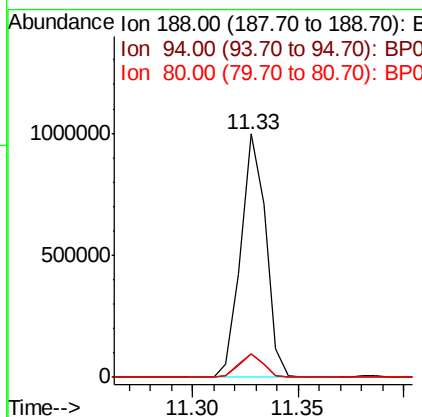
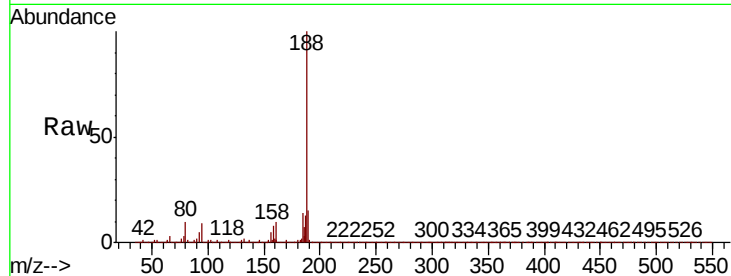
ClientSampled :

CSA-2-6

Tot Ion:	188	Resp:	818686
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.5	12.7
80	9.7	8.6	13.0

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#71

Phenanthrene

Concen: 3.063 ng

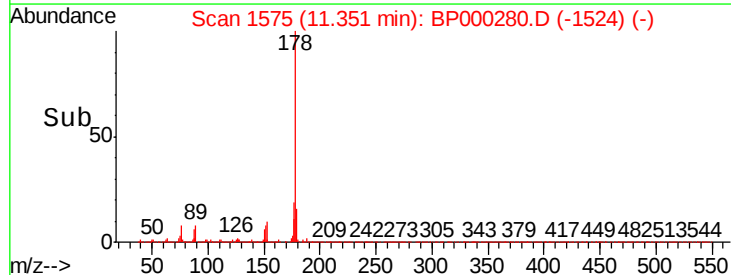
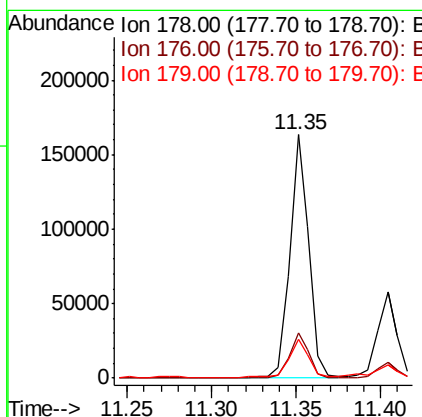
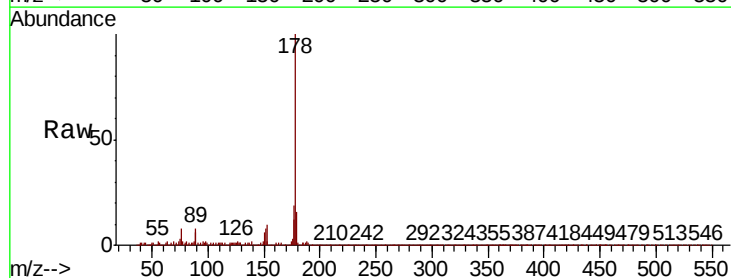
RT: 11.35 min Scan# 1575

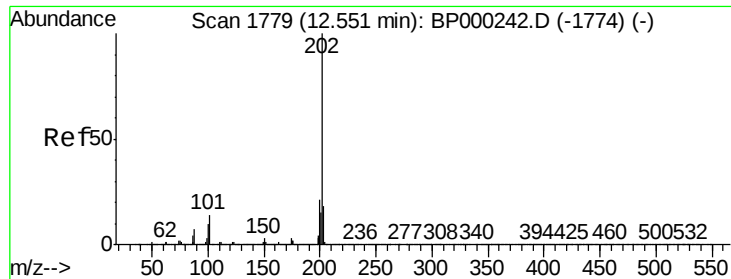
Delta R.T. -0.00 min

Lab File: BP000280.D

Acq: 17 Sep 2019 18:13

Tgt Ion:	178	Resp:	125682
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.8
179	16.1	12.7	19.1





#75

Fluoranthene

Concen: 6.359 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BP000280.D

Acq: 17 Sep 2019 18:13

Instrument :

BNA_P

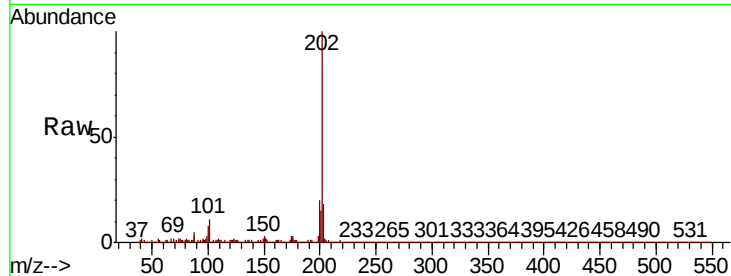
ClientSampleId :

CSA-2-6

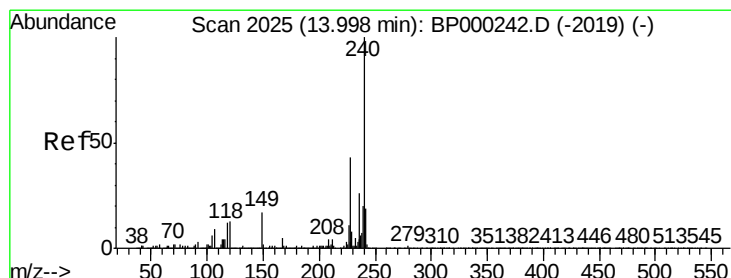
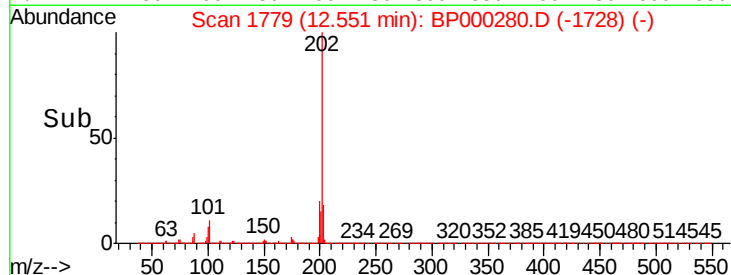
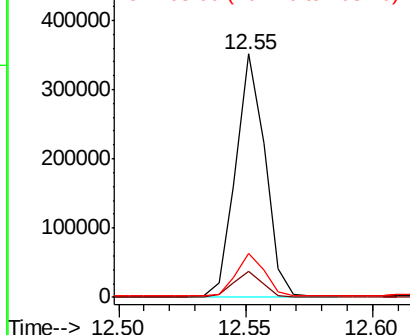
Tot Ion:	202	Resp:	280123
Ion Ratio		Lower	Upper
202	100		
101	10.7	0.0	33.9
203	18.2	0.0	38.0

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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

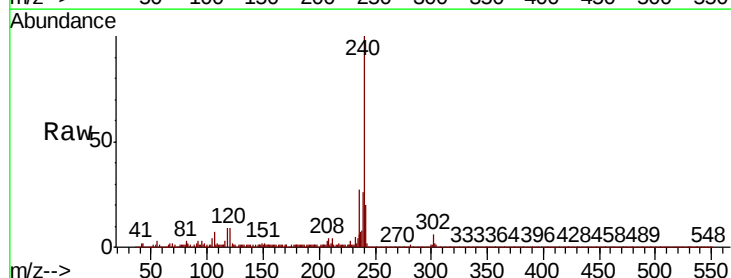
RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

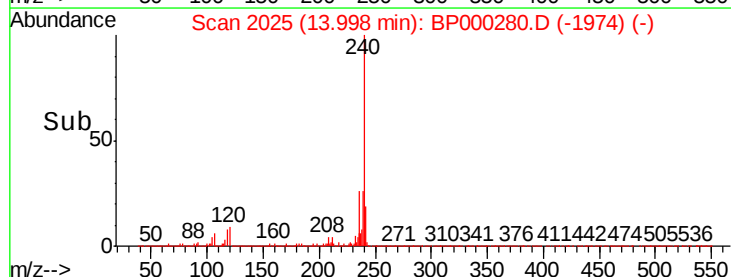
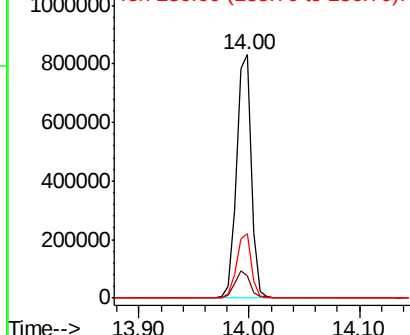
Lab File: BP000280.D

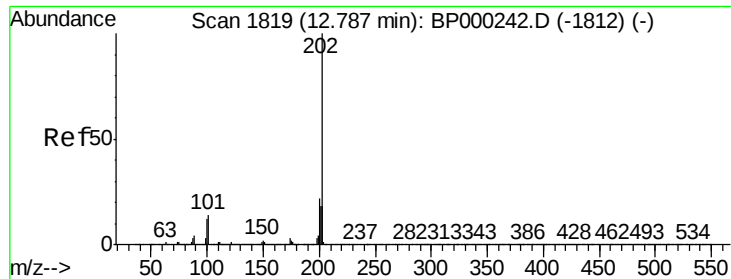
Acq: 17 Sep 2019 18:13

Tgt Ion:	240	Resp:	780637
Ion Ratio		Lower	Upper
240	100		
120	9.3	10.4	15.6#
236	26.5	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





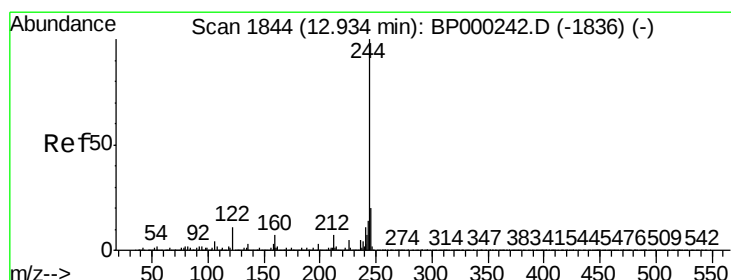
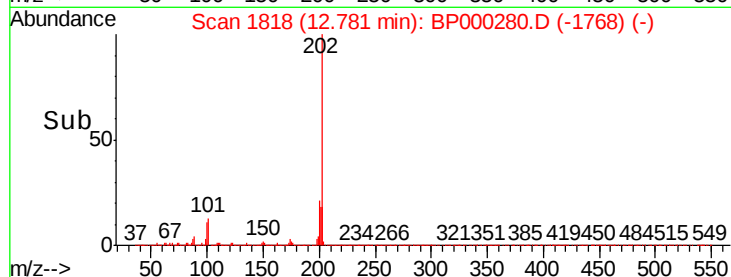
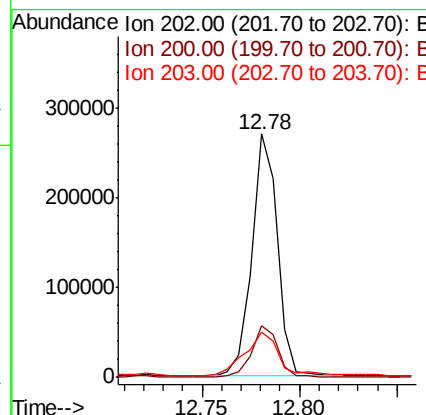
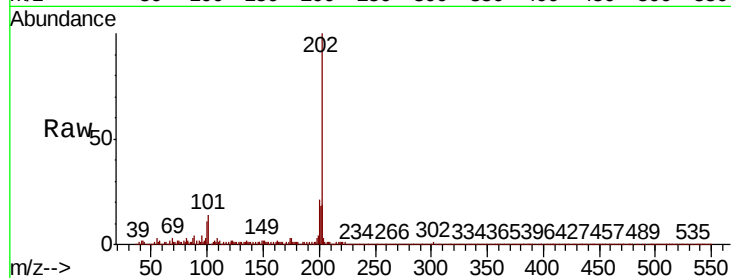
#78
Pvrene
Concen: 4.189 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000280.D
Acq: 17 Sep 2019 18:13

Instrument :
BNA_P
ClientSampleId :
CSA-2-6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	17.5	26.3
203	18.7	14.3	21.5

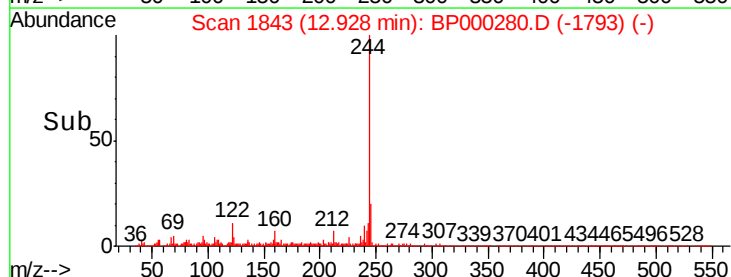
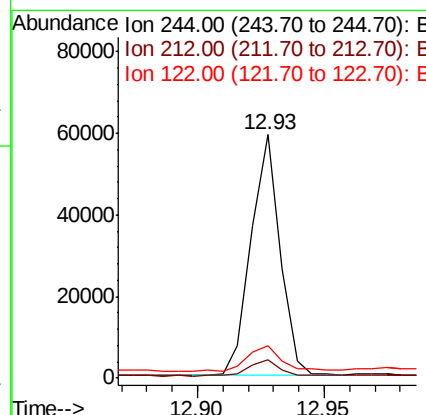
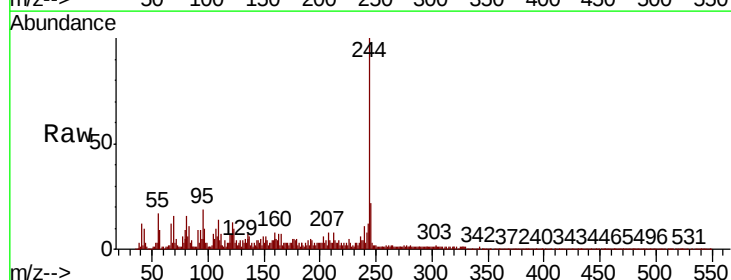
Manual Integrations
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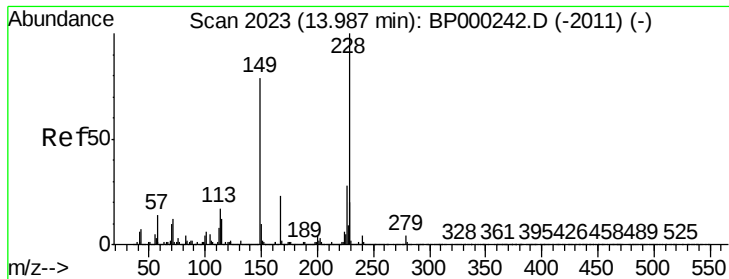
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#79
Terphenyl-d14
Concen: 1.274 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000280.D
Acq: 17 Sep 2019 18:13

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.6	5.9	8.9
122	13.3	9.0	13.4





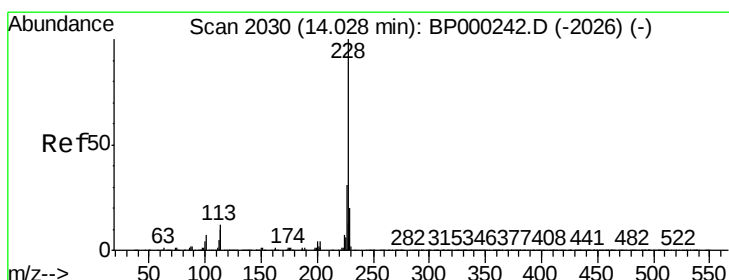
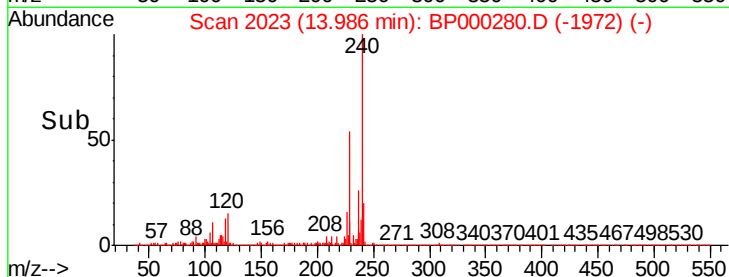
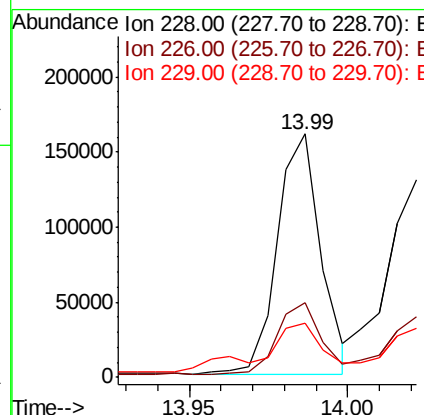
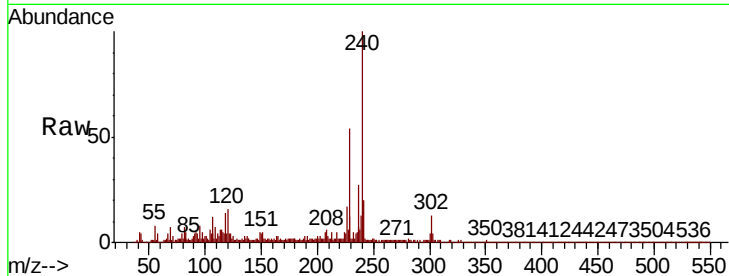
#81
Benzo(a)anthracene
Concen: 3.090 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BP000280.D
Acq: 17 Sep 2019 18:13

Instrument :
BNA_P
ClientSampleId :
CSA-2-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.2	33.4
229	22.1	16.0	24.0

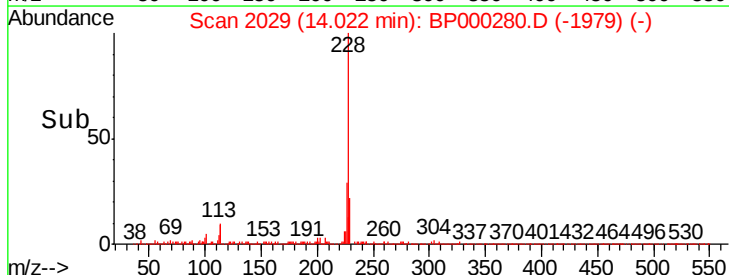
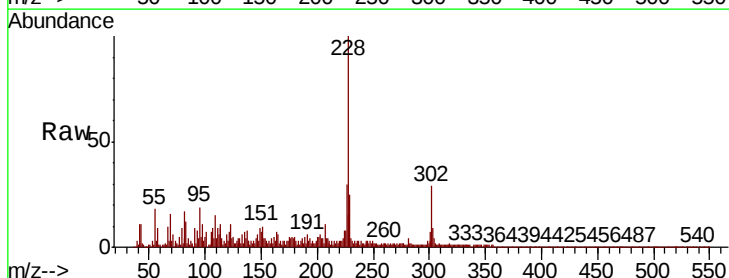
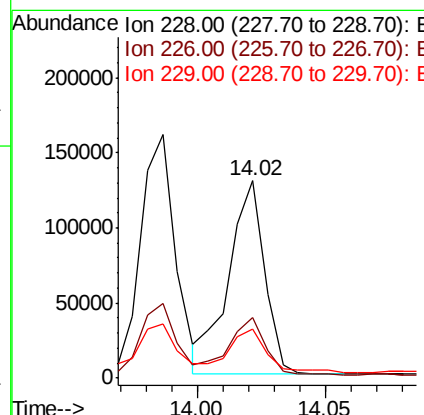
Manual Integrations
APPROVED

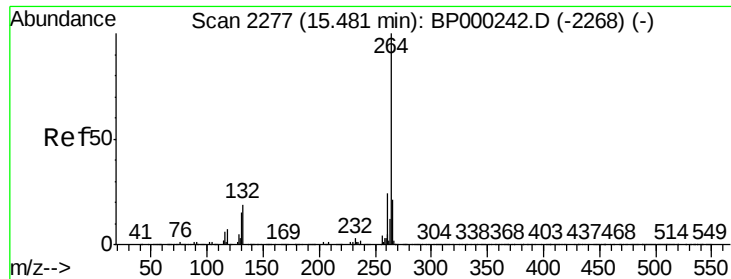
mohammad
9/19/2019 4:46:30 PM



#83
Chrysene
Concen: 2.628 ng m
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BP000280.D
Acq: 17 Sep 2019 18:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	24.8	16.2	24.2#





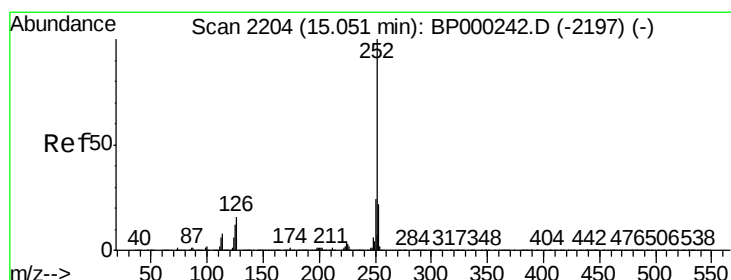
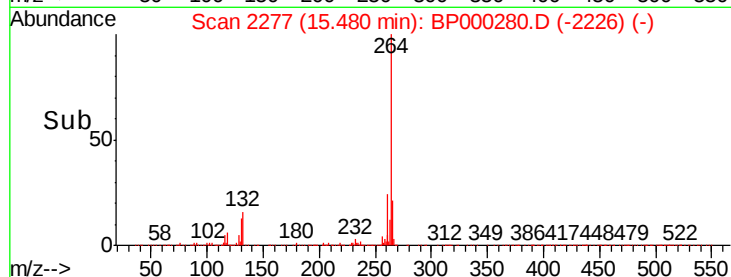
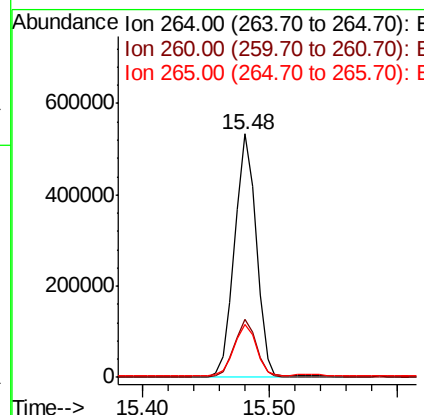
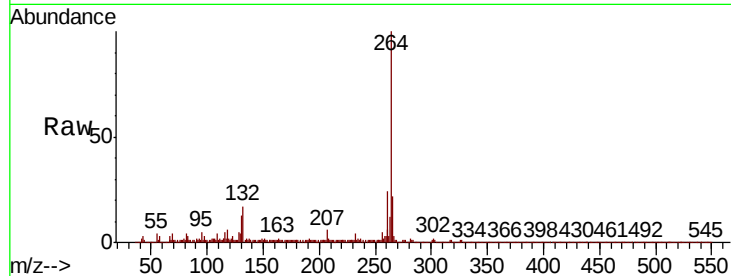
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BP000280.D
Acq: 17 Sep 2019 18:13

Instrument :
BNA_P
ClientSampleId :
CSA-2-6

Tot Ion	Ratio	Resp	Lower	Upper
264	100	620489		
260	24.0		18.9	28.3
265	21.8		17.2	25.8

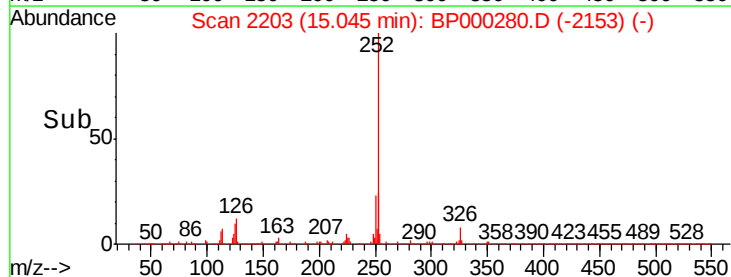
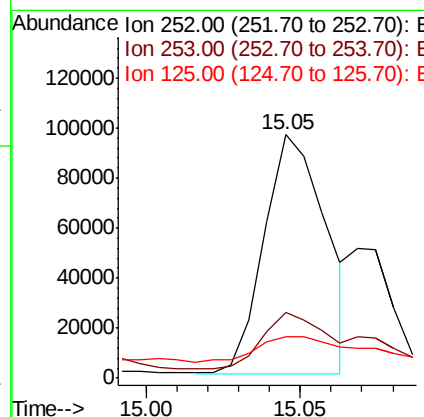
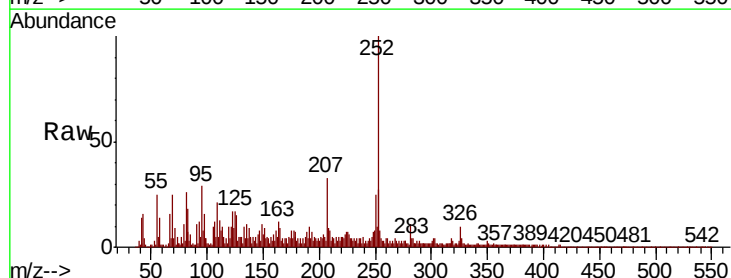
Manual Integrations
APPROVED

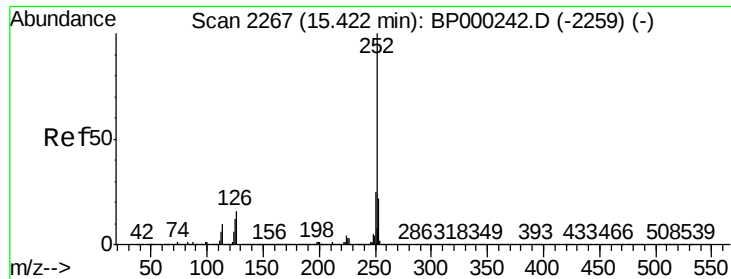
mohammad
9/19/2019 4:46:30 PM



#88
Benzo(b)fluoranthene
Concen: 3.605 ng m
RT: 15.05 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BP000280.D
Acq: 17 Sep 2019 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	133449		
253	27.0		17.8	26.6#
125	17.1		9.5	14.3#





#90

Benzo(a)pyrene

Concen: 2.727 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BP000280.D

Acq: 17 Sep 2019 18:13

Instrument :

BNA_P

ClientSampleId :

CSA-2-6

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	25.7	17.7	26.5	
125	19.0	10.0	15.0	

Manual Integrations
APPROVED

mohammad
9/19/2019 4:46:30 PM

