

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
 Data File : BP000284.D
 Acq On : 17 Sep 2019 19:50
 Operator : HP/JU
 Sample : K4850-03DL2 40X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 AOC-7-(7)DL2

Manual Integrations
 APPROVED

mohammad
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Quant Time: Sep 18 09:28:44 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	341168	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1255112	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	661471	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1178613	20.00	ng	0.00
76) Chrysene-d12	13.99	240	959565	20.00	ng	0.00
87) Perylene-d12	15.47	264	862768	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	33260	1.68	ng	0.00
7) Phenol-d6	6.42	99	43505	1.80	ng	0.00
23) Nitrobenzene-d5	7.35	82	10310	0.53	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	8855	1.35	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	51600	1.40	ng	0.00
79) Terphenyl-d14	12.92	244	55831	1.22	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	8.10	128	2698739	46.427	ng	99
37) 2-Methylnaphthalene	8.79	142	1210530	30.464	ng	99
38) 1-Methylnaphthalene	8.89	142	708247	19.027	ng	100
46) 1,1'-Biphenyl	9.25	154	168052	3.673	ng	97
49) Acenaphthylene	9.69	152	294145	5.098	ng	98
58) Fluorene	10.38	166	425986	10.714	ng	99
71) Phenanthrene	11.35	178	1720653	29.132	ng	99
72) Anthracene	11.40	178	334116	5.496	ng	98
75) Fluoranthene	12.55	202	708344	11.169	ng	97
78) Pyrene	12.78	202	1114943	15.530	ng	99
81) Benzo(a)anthracene	13.98	228	411237m	6.785	ng	
83) Chrysene	14.02	228	380403	6.392	ng	97
88) Benzo(b)fluoranthene	15.05	252	249984m	4.857	ng	
90) Benzo(a)pyrene	15.41	252	200502	4.281	ng	99

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

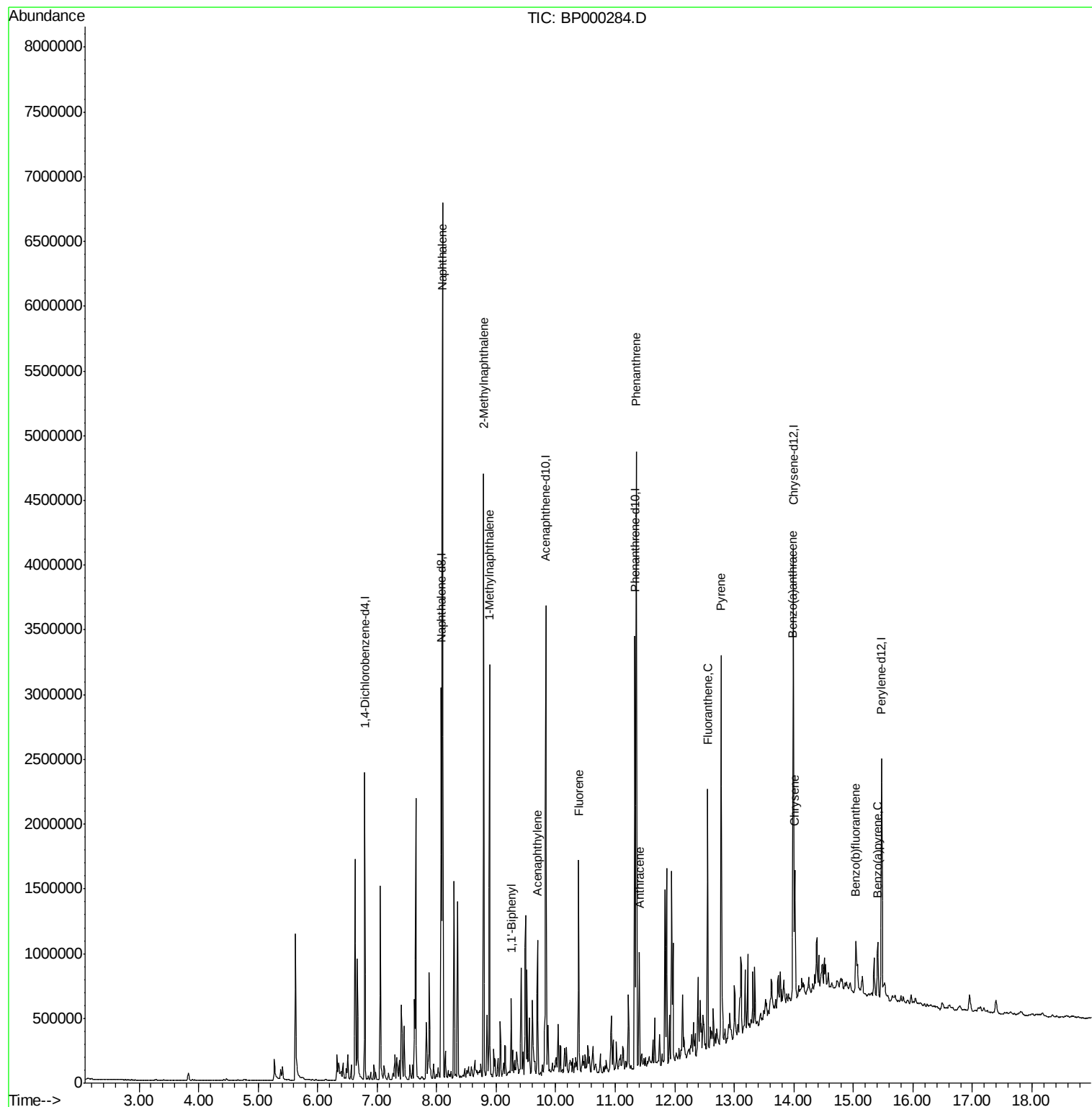
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
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Misc :
ALS Vial : 24 Sample Multiplier: 1

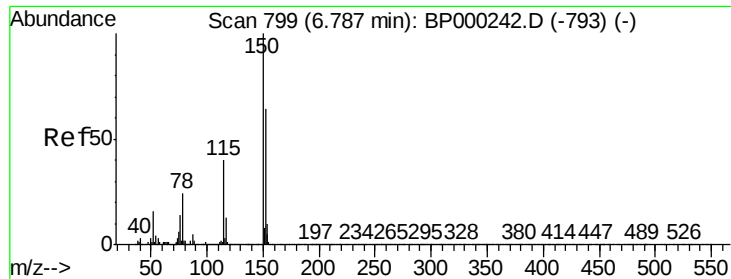
Instrument :
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AOC-7-(7)DL2

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
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#1

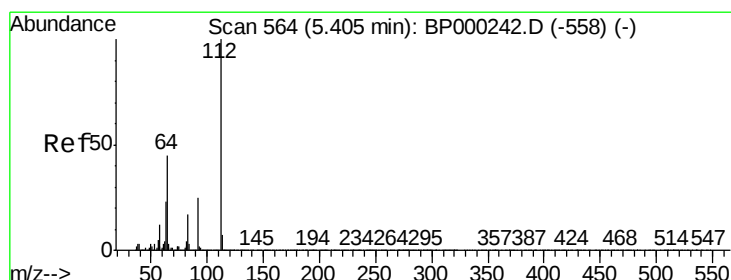
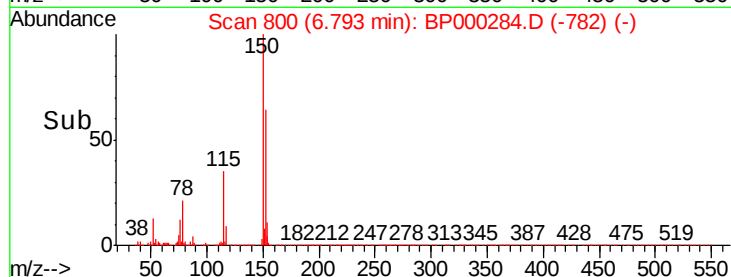
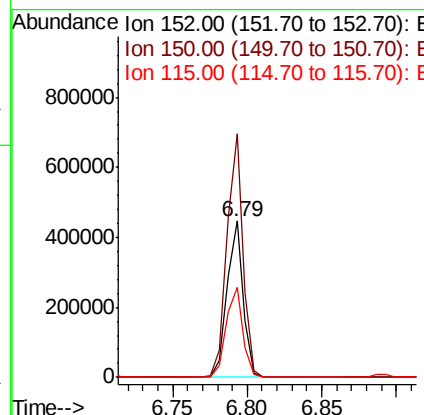
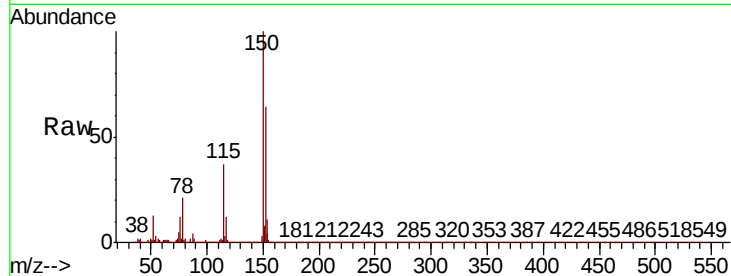
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Instrument :
BNA_P
ClientSampleId :
AOC-7(7)DL2

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
150	155.9	125.2	187.8	
115	57.3	49.7	74.5	

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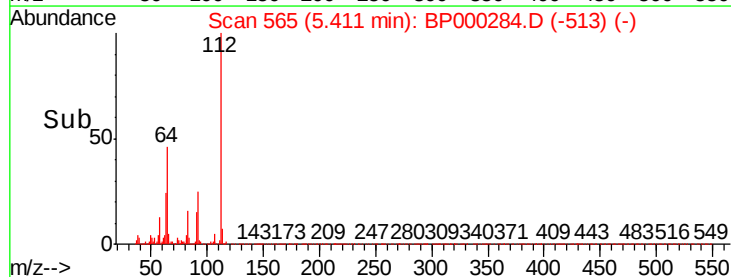
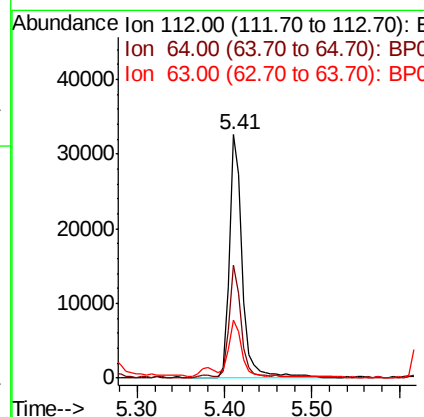
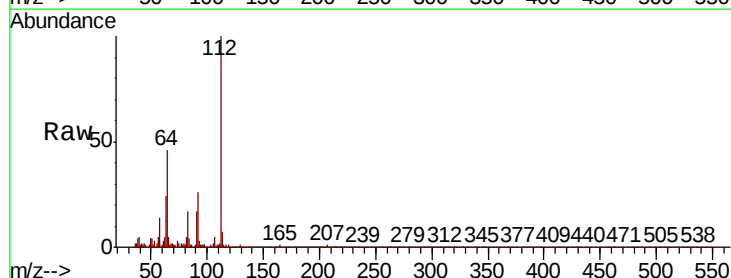
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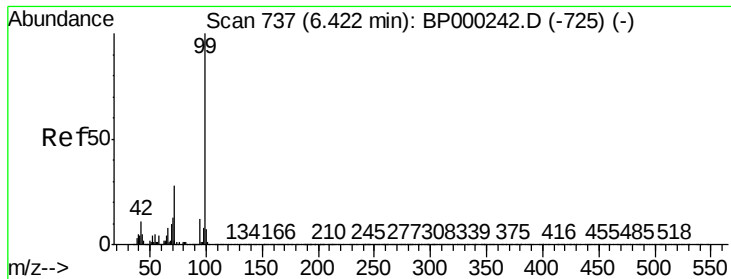


#5

2-Fluorophenol
Concen: 1.683 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
64	46.3	36.2	54.4	
63	24.0	18.3	27.5	





#7

Phenol-d6

Concen: 1.796 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BP000284.D

Acq: 17 Sep 2019 19:50

Instrument :

BNA_P

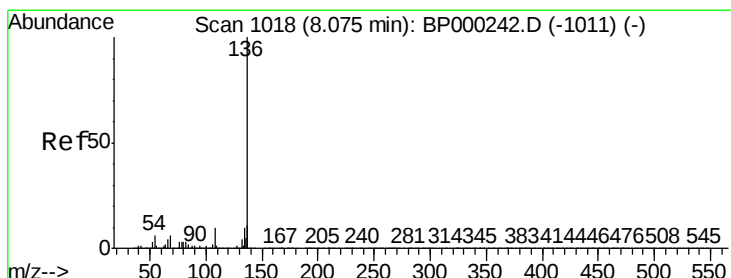
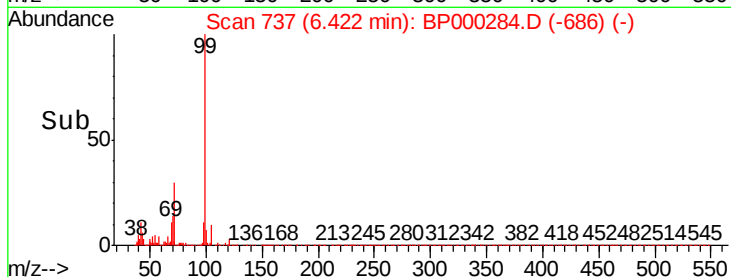
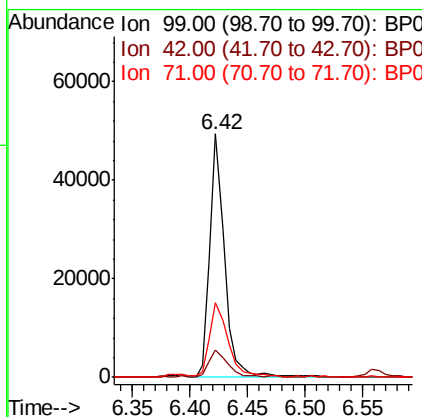
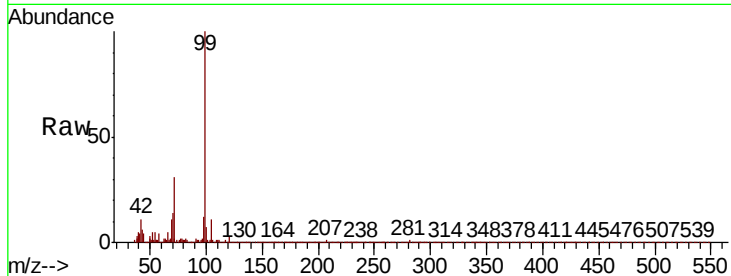
ClientSampleId :

AOC-7(7)DL2

Tot Ion:	99	Resp:	43505
Ion Ratio	Lower	Upper	
99	100		
42	11.5	8.5	12.7
71	30.6	22.6	34.0

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#21

Naphthalene-d8

Concen: 20.000 ng

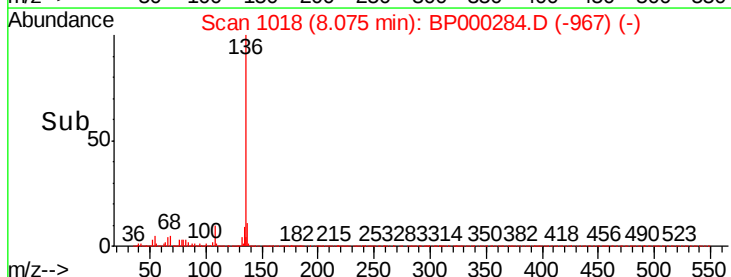
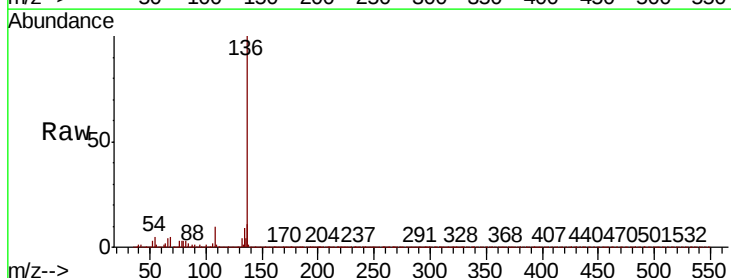
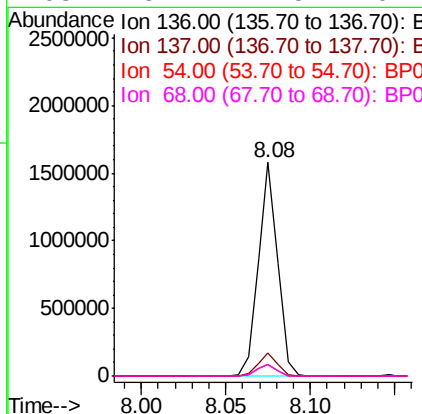
RT: 8.08 min Scan# 1018

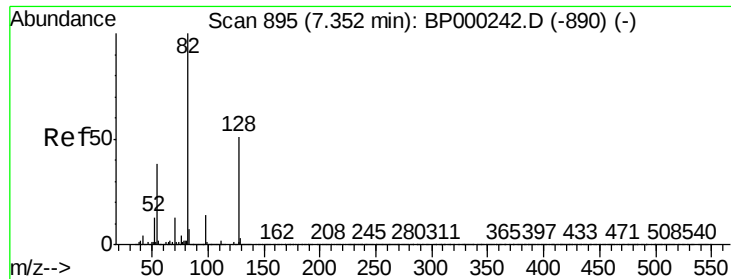
Delta R.T. 0.00 min

Lab File: BP000284.D

Acq: 17 Sep 2019 19:50

Tgt Ion:	136	Resp:	1255112
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	5.4	4.5	6.7
68	5.4	4.5	6.7





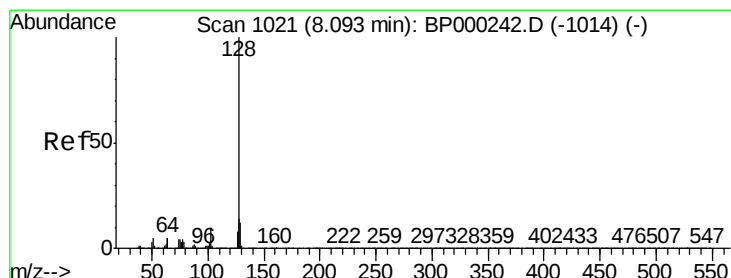
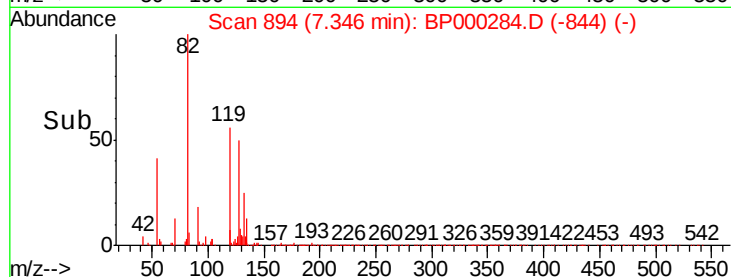
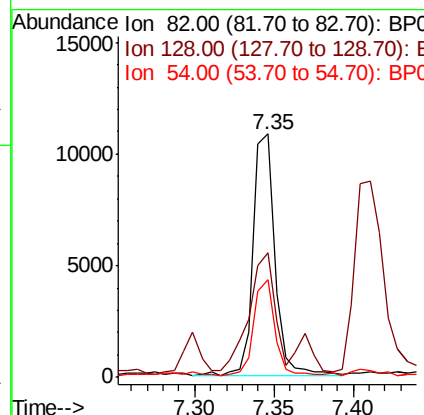
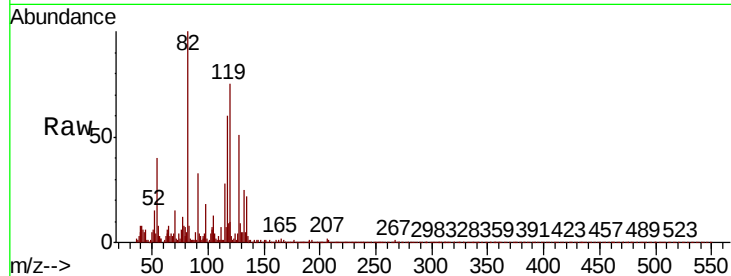
#23
Nitrobenzene-d5
Concen: 0.530 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Instrument :
BNA_P
ClientSampleId :
AOC-7(7)DL2

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.0	40.7	61.1
54	39.9	30.1	45.1

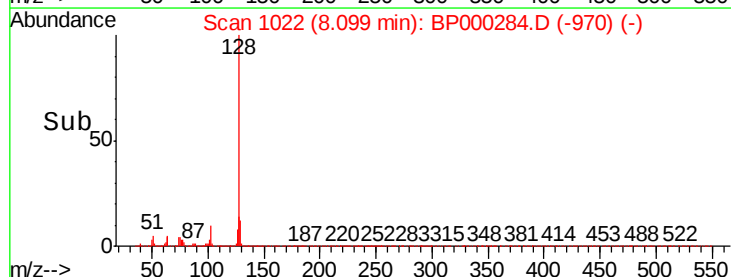
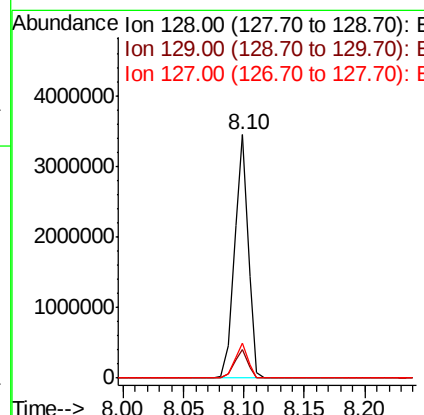
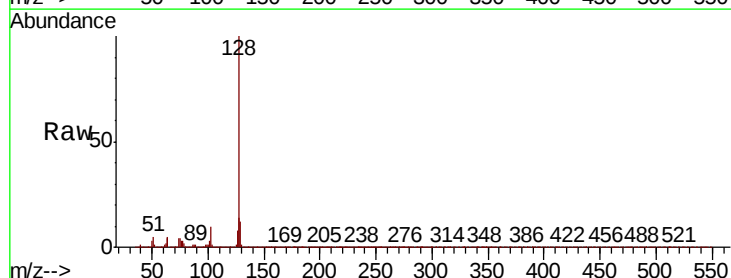
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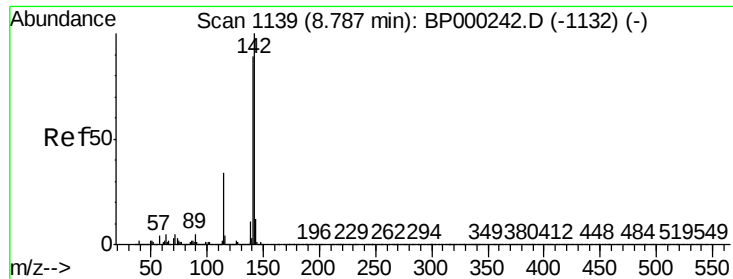
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#31
Naphthalene
Concen: 46.427 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	14.2	11.0	16.6





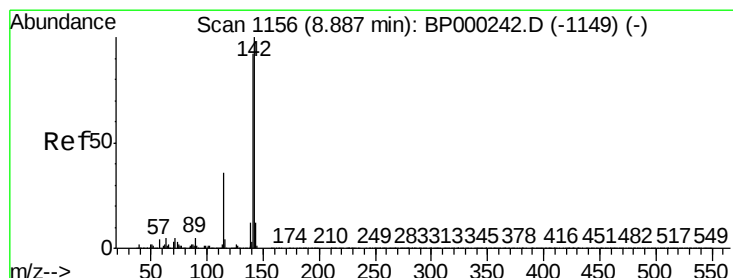
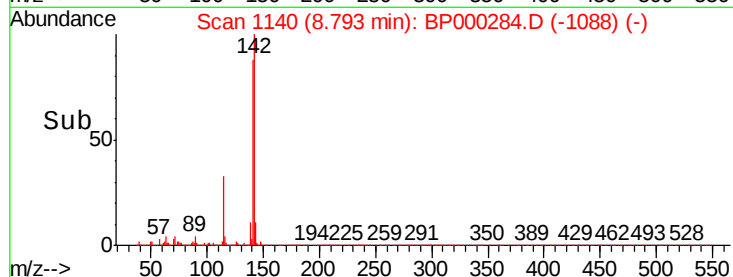
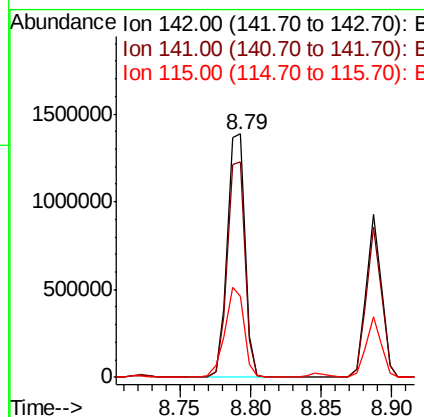
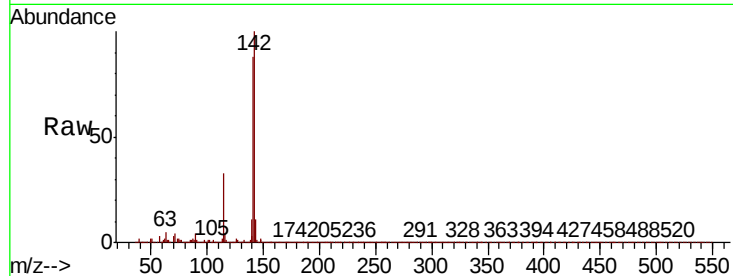
#37
2-Methylnaphthalene
Concen: 30.464 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.01 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Instrument :
BNA_P
ClientSampleId :
AOC-7(7)DL2

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.3	106.9
115	33.2	27.2	40.8

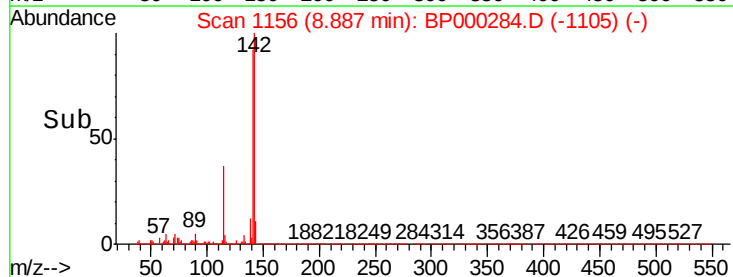
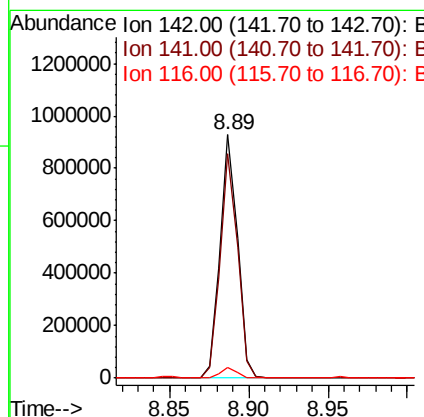
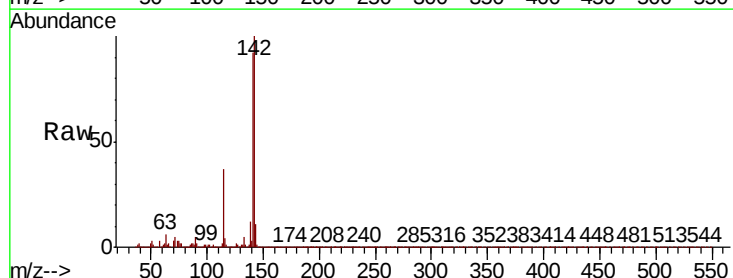
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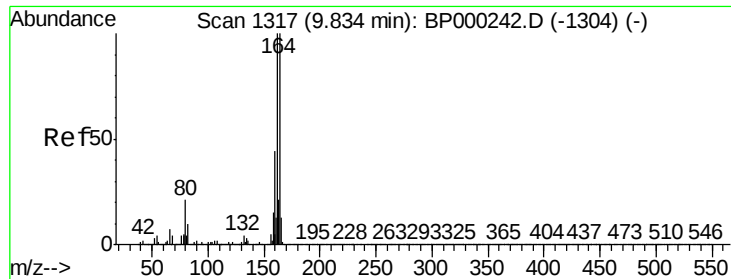
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#38
1-Methylnaphthalene
Concen: 19.027 ng
RT: 8.89 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.9	110.9
116	4.4	3.0	4.6





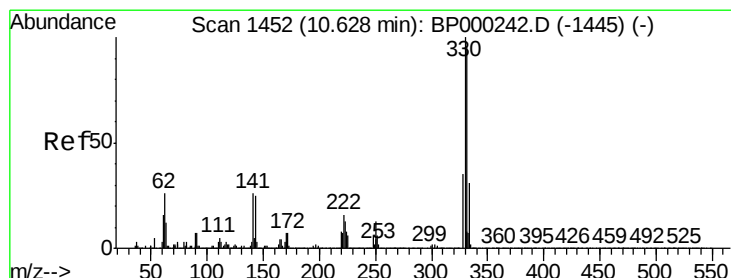
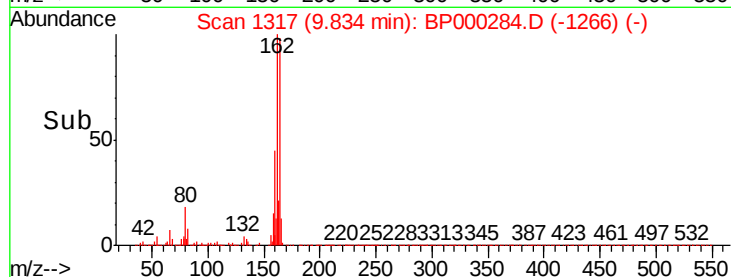
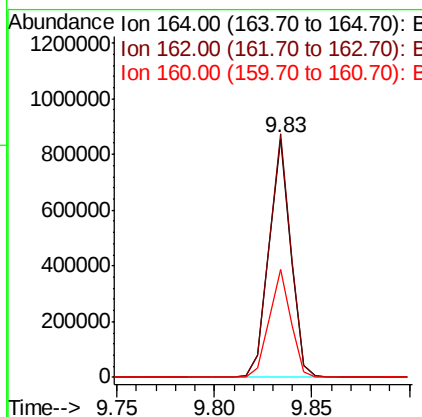
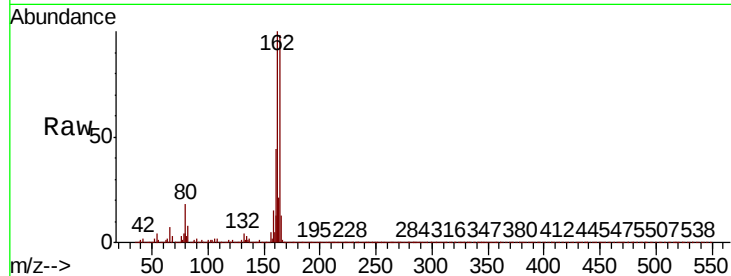
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Instrument :
BNA_P
ClientSampleId :
AOC-7(7)DL2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.0	79.9	119.9	
160	45.3	35.6	53.4	

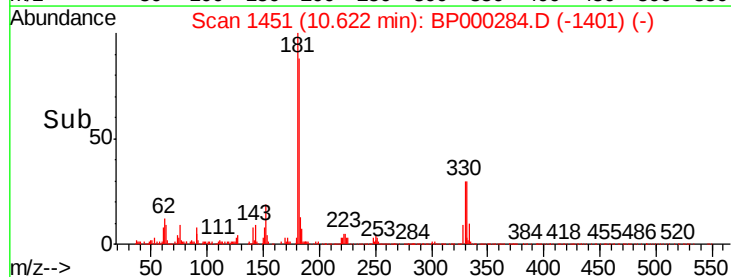
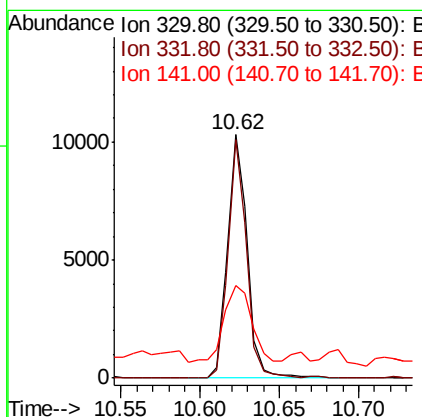
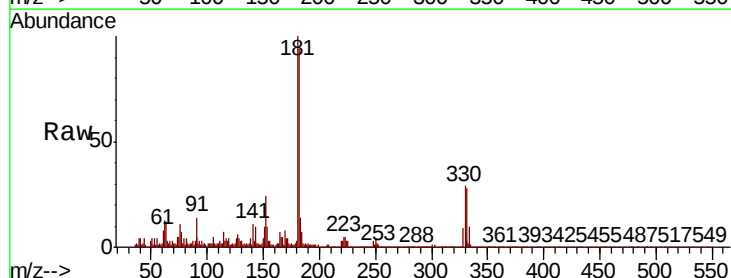
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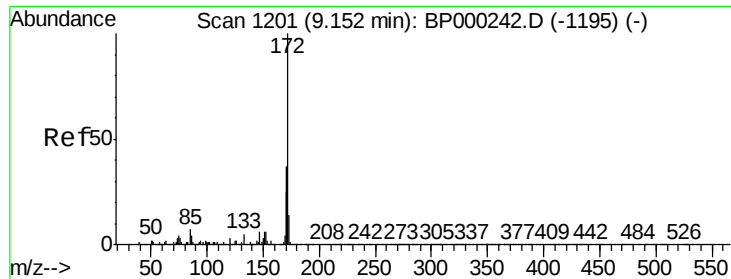
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#42
2,4,6-Tribromophenol
Concen: 1.350 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.7	76.6	115.0	
141	42.0	26.5	39.7	





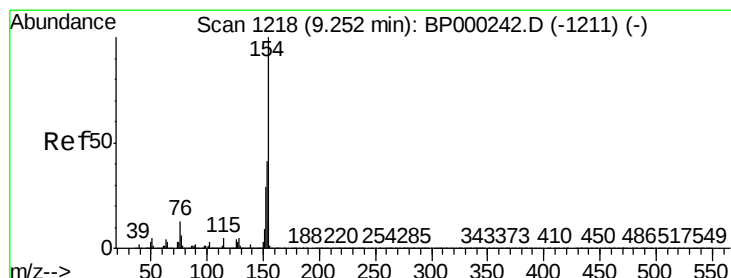
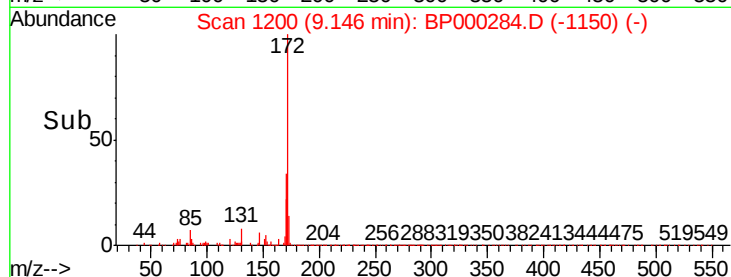
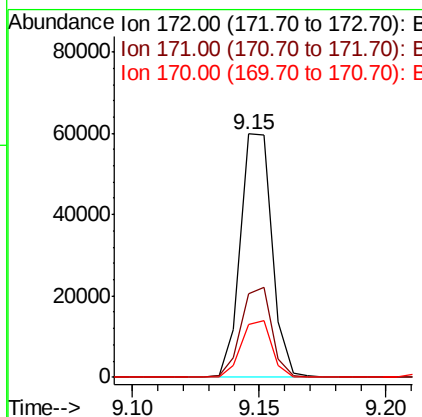
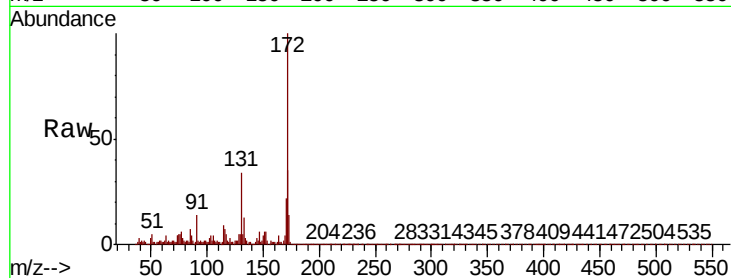
#45
2-Fluorobiphenyl
Concen: 1.404 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Instrument :
BNA_P
ClientSampleId :
AOC-7(7)DL2

Tot Ion:	172	Resp:	51600
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.8	44.6
170	21.9	19.8	29.6

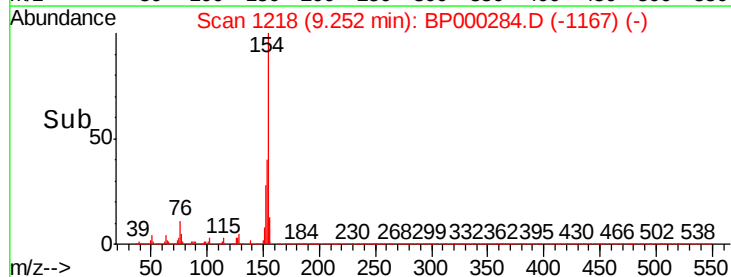
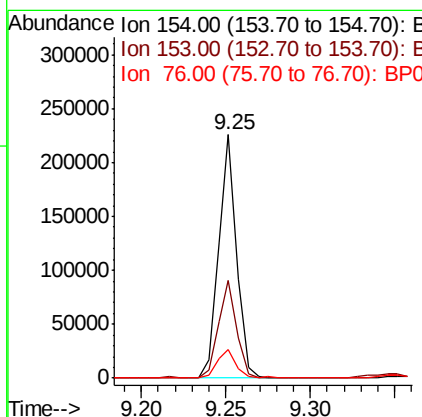
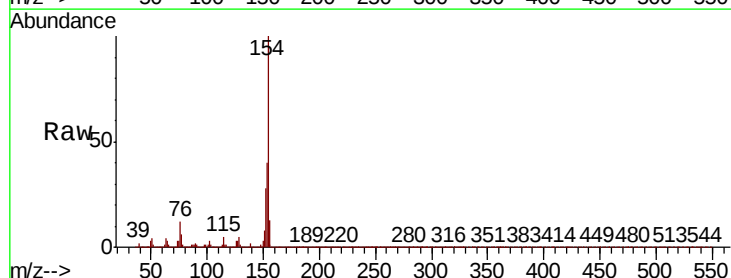
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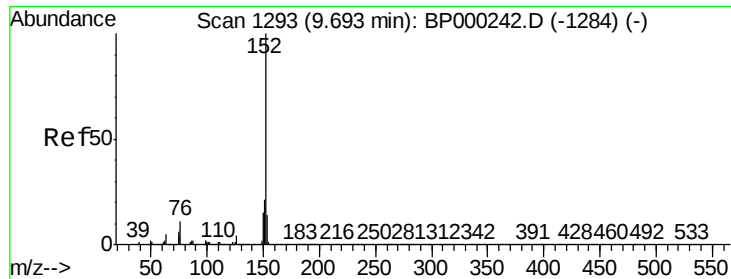
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#46
1,1'-Biphenyl
Concen: 3.673 ng
RT: 9.25 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Tgt Ion:	154	Resp:	168052
Ion Ratio	Lower	Upper	
154	100		
153	40.0	21.4	61.4
76	11.6	0.0	33.4





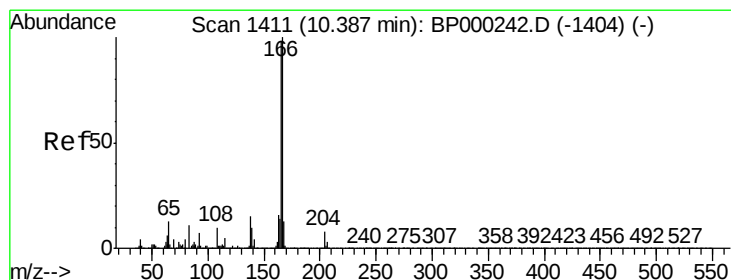
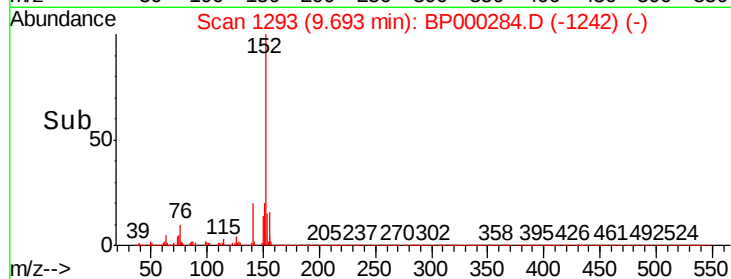
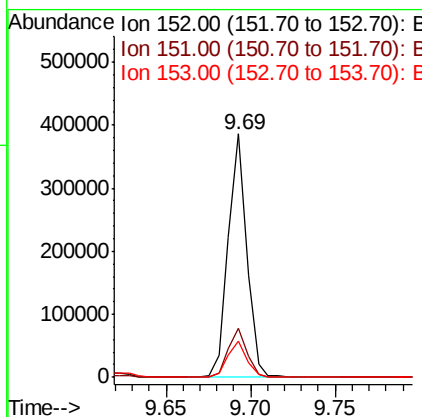
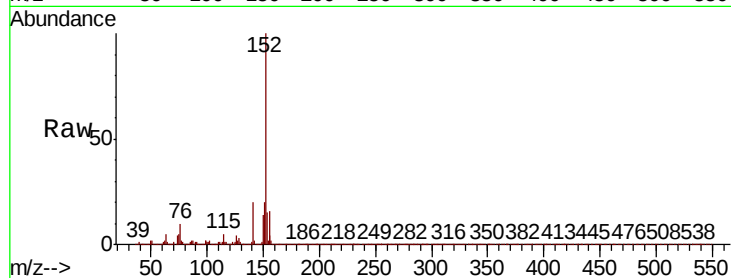
#49
Acenaphthylene
Concen: 5.098 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Instrument :
BNA_P
ClientSampleId :
AOC-7(7)DL2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		294145		
151	20.1	16.4	24.6		
153	15.0	11.0	16.4		

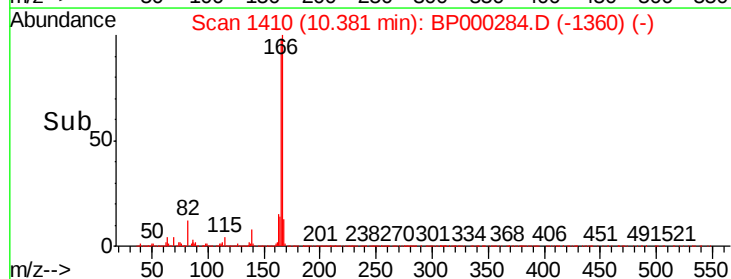
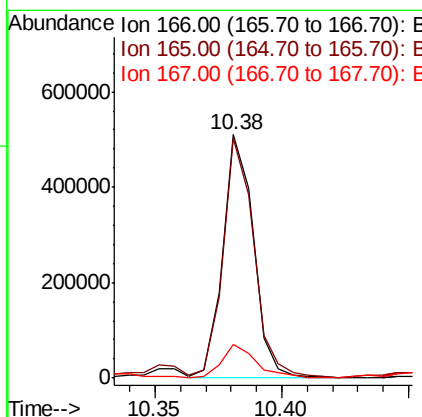
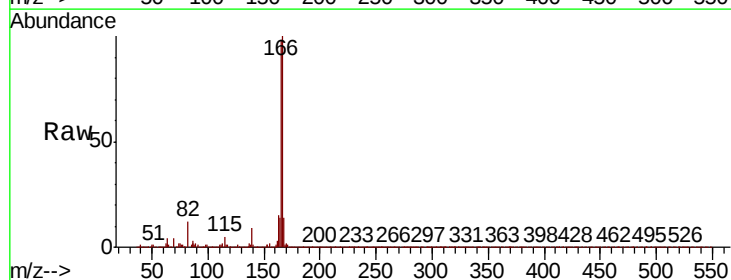
Manual Integrations
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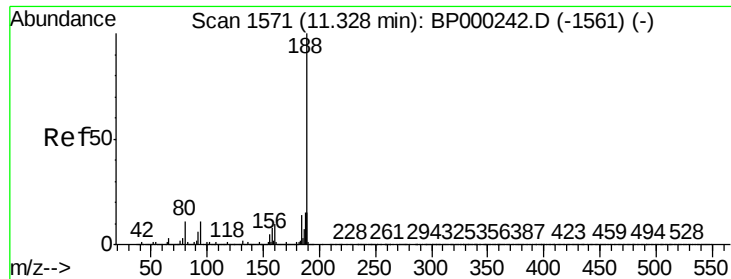
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#58
Fluorene
Concen: 10.714 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		425986		
165	98.3	78.2	117.2		
167	13.9	10.7	16.1		





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BP000284.D

Acq: 17 Sep 2019 19:50

Instrument :

BNA_P

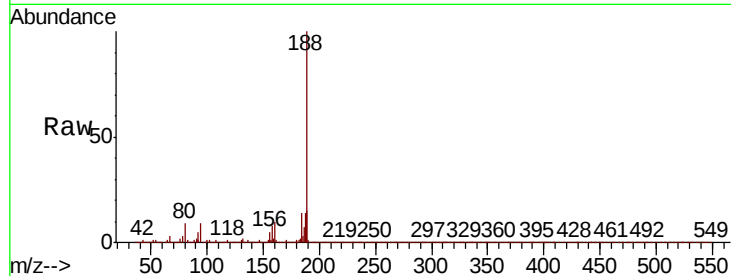
ClientSampleId :

AOC-7(7)DL2

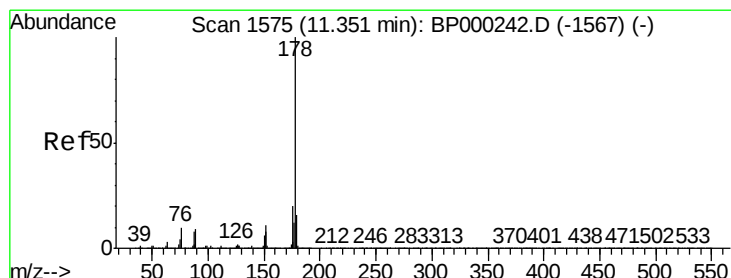
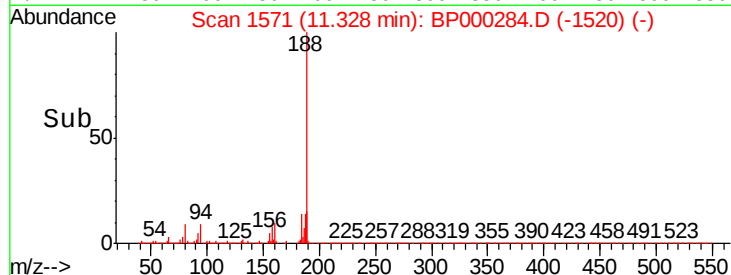
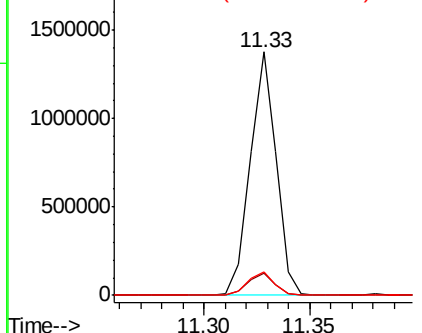
Tot Ion:	188	Resp:	1178613
Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	9.5	8.6	13.0

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Abundance Ion 188.00 (187.70 to 188.70): E



#71

Phenanthrene

Concen: 29.132 ng

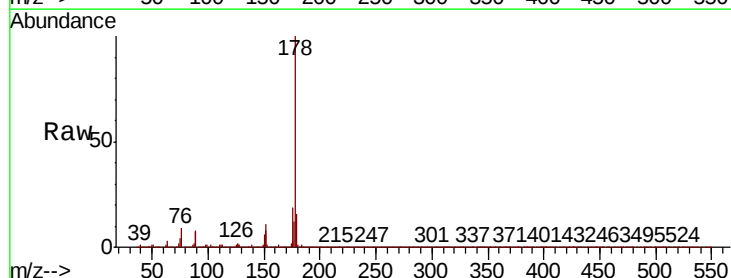
RT: 11.35 min Scan# 1575

Delta R.T. 0.00 min

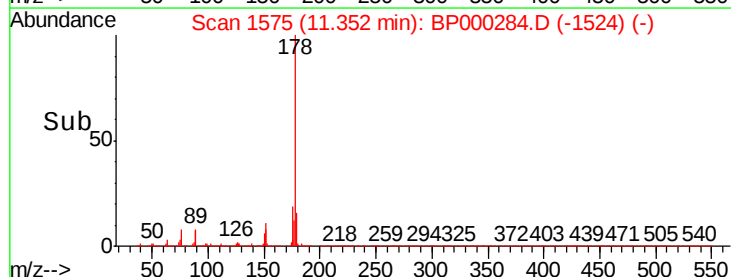
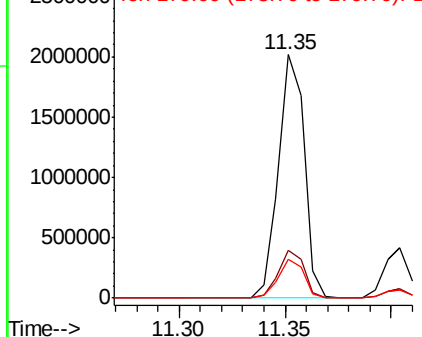
Lab File: BP000284.D

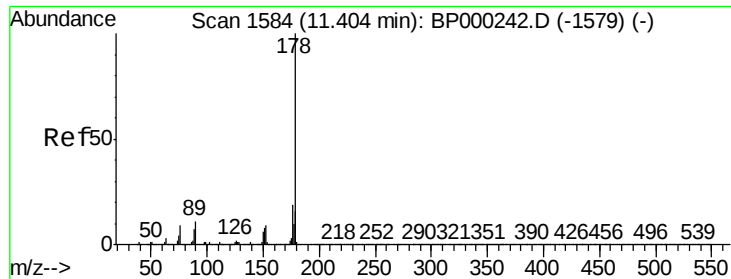
Acq: 17 Sep 2019 19:50

Tgt Ion:	178	Resp:	1720653
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.8	12.7	19.1



Abundance Ion 178.00 (177.70 to 178.70): E





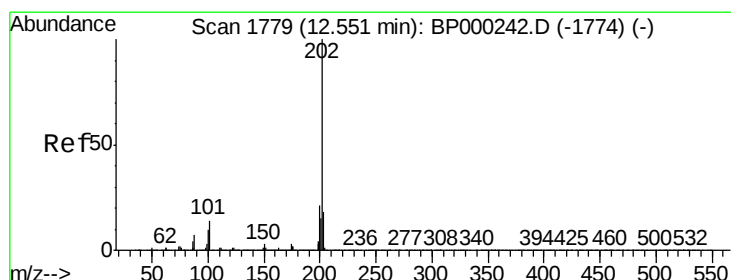
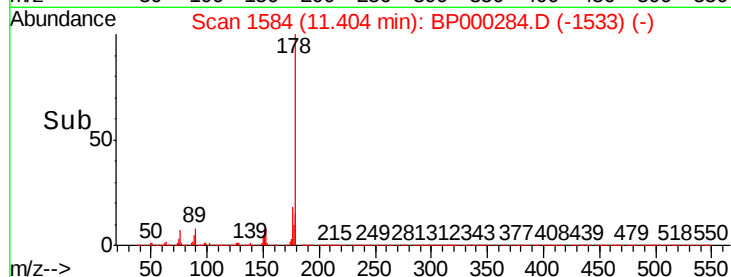
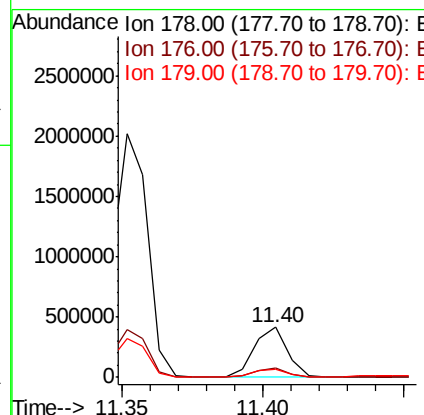
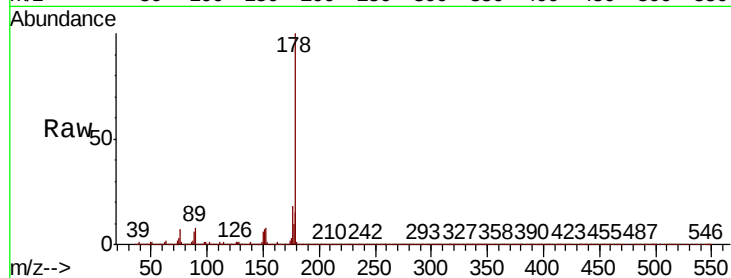
#72
 Anthracene
 Concen: 5.496 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BP000284.D
 Acq: 17 Sep 2019 19:50

Instrument :
 BNA_P
 ClientSampleId :
 AOC-7(7)DL2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	15.3	12.7	19.1

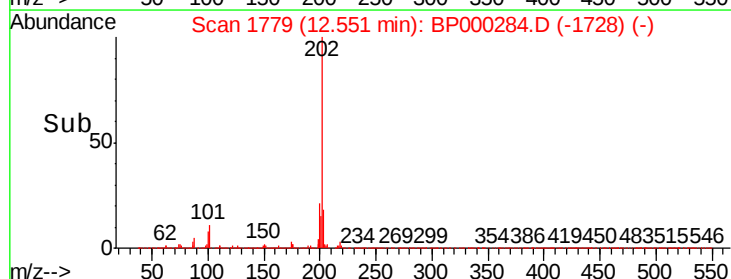
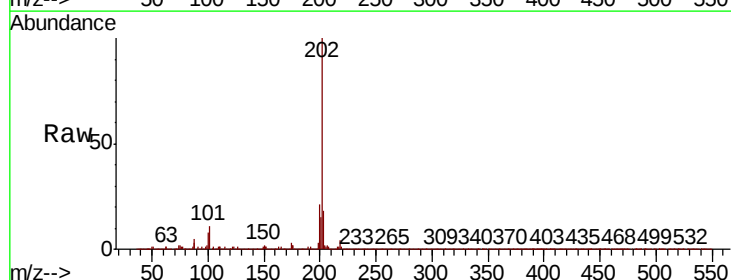
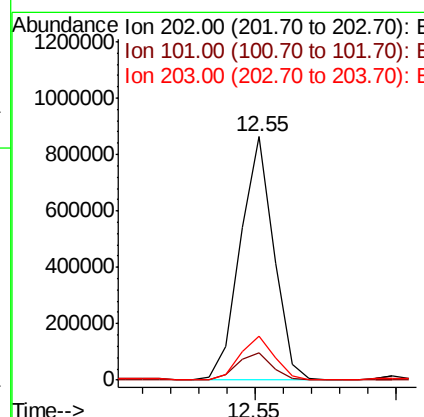
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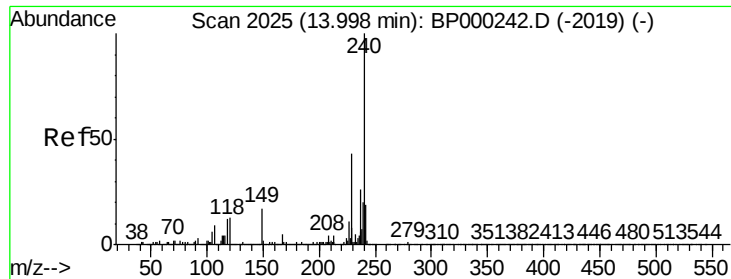
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#75
 Fluoranthene
 Concen: 11.169 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: BP000284.D
 Acq: 17 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	33.9
203	17.9	0.0	38.0





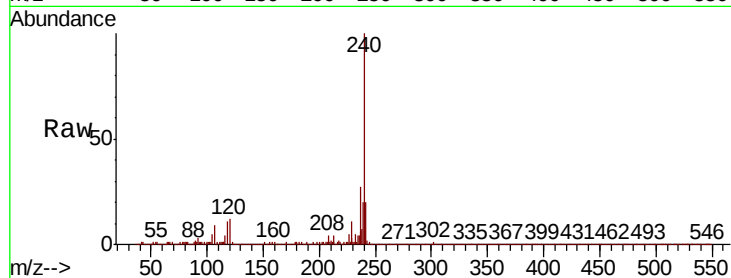
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Instrument :
BNA_P
ClientSampled :
AOC-7(7)DL2

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.6	10.4	15.6
236	26.8	21.0	31.6

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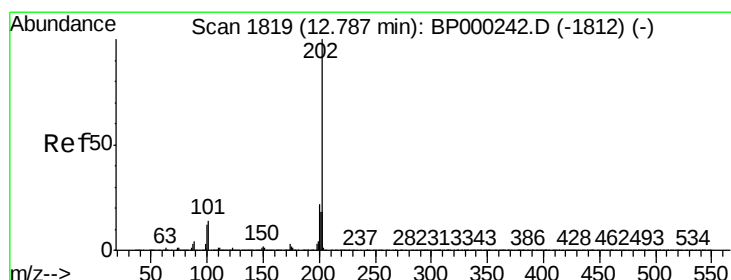
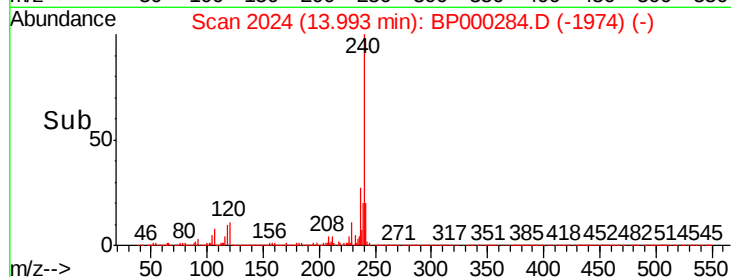
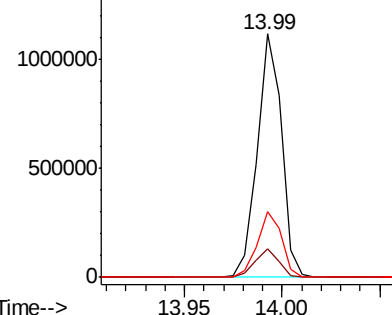


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 15.530 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

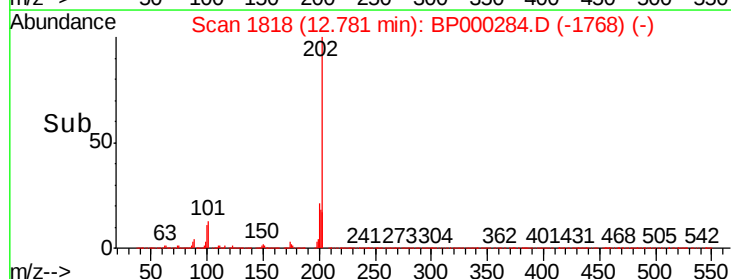
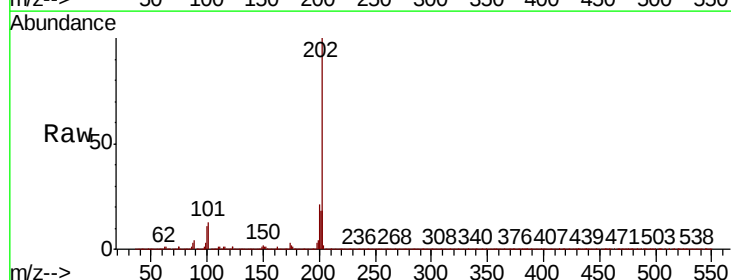
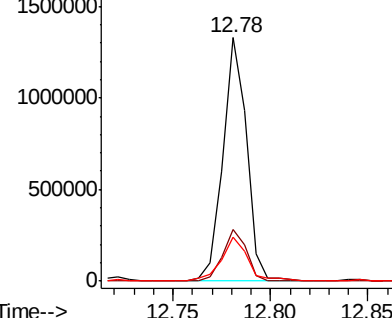
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.5	26.3
203	17.9	14.3	21.5

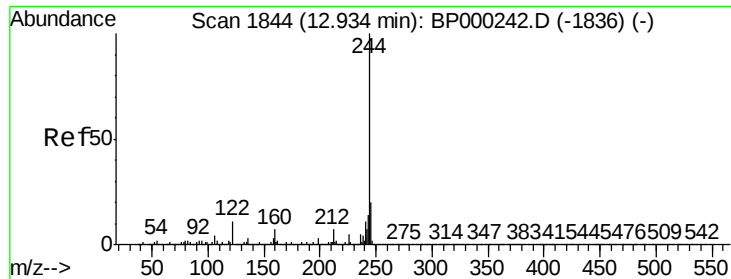
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





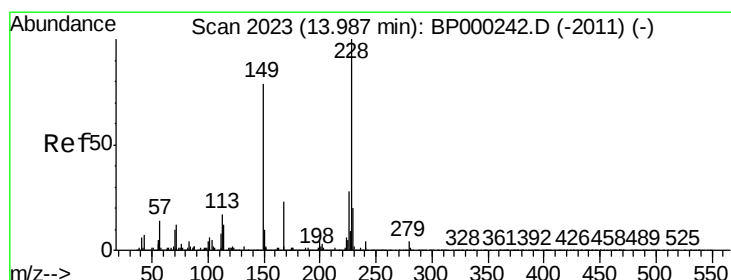
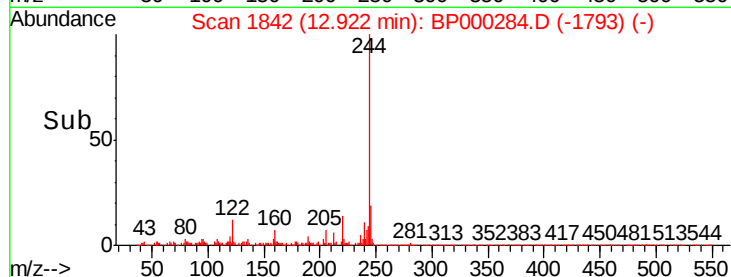
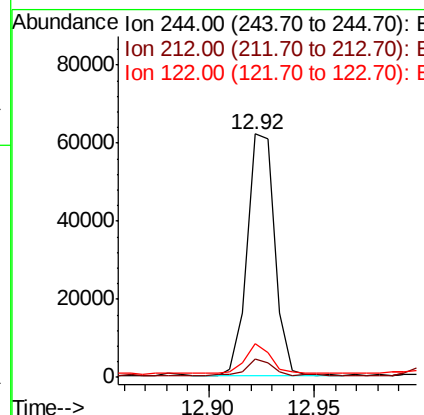
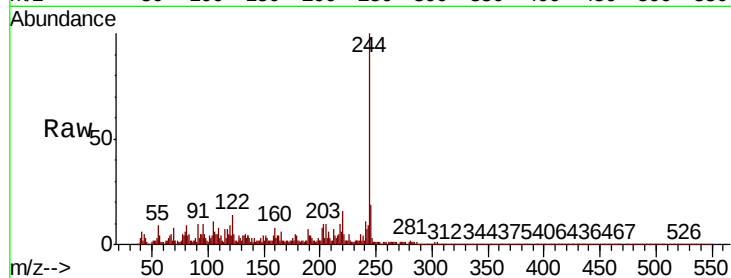
#79
 Terphenyl-d14
 Concen: 1.221 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BP000284.D
 Acq: 17 Sep 2019 19:50

Instrument :
 BNA_P
 ClientSampleId :
 AOC-7(7)DL2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	13.9	9.0	13.4

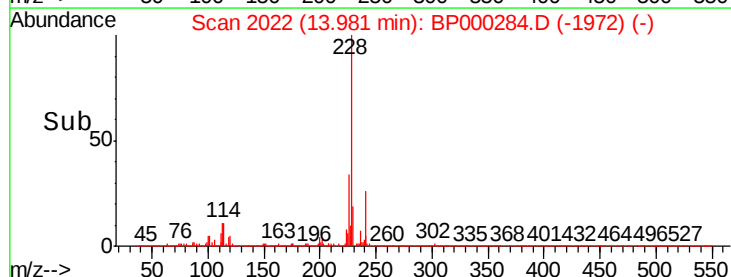
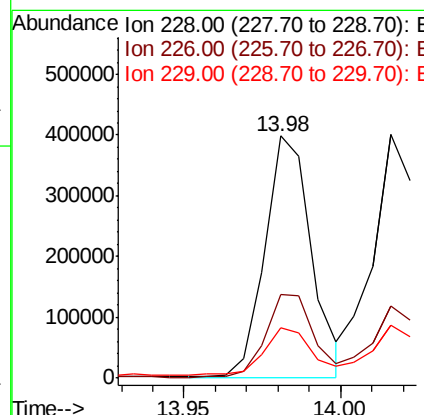
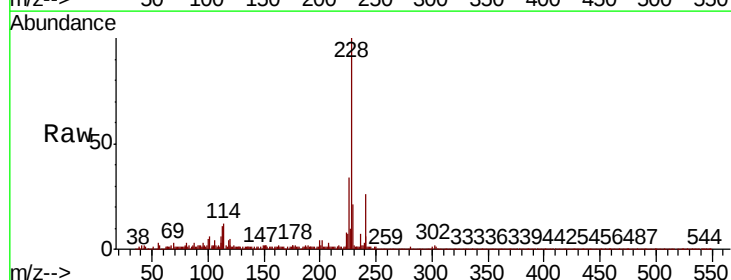
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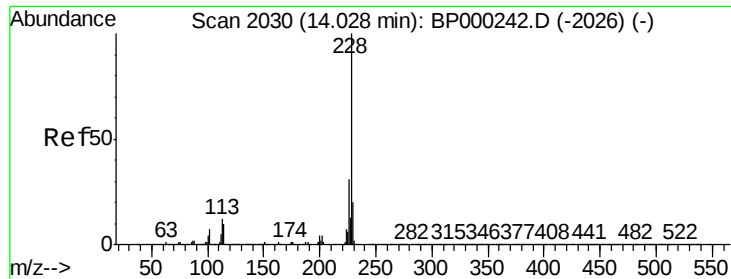
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#81
 Benzo(a)anthracene
 Concen: 6.785 ng m
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BP000284.D
 Acq: 17 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.4	22.2	33.4
229	21.0	16.0	24.0





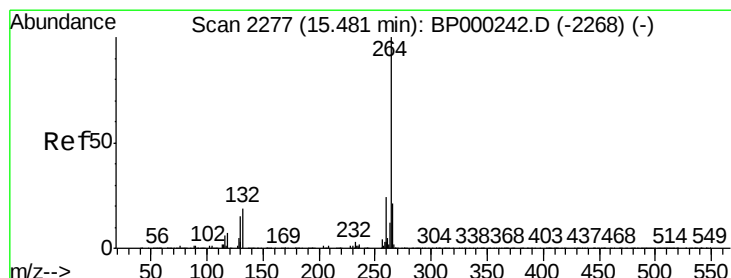
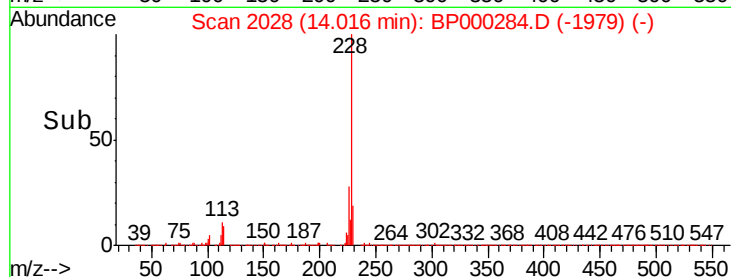
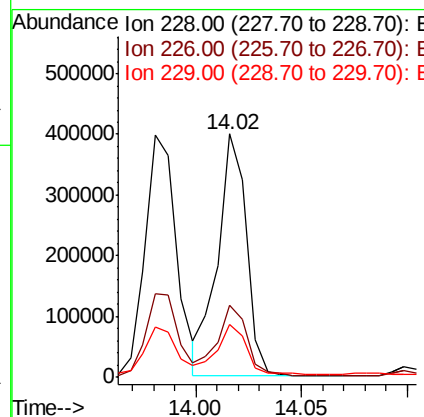
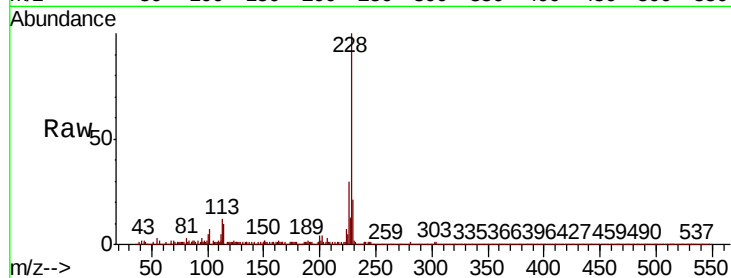
#83
Chrysene
Concen: 6.392 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Instrument :
BNA_P
ClientSampled :
AOC-7(7)DL2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	21.5	16.2	24.2

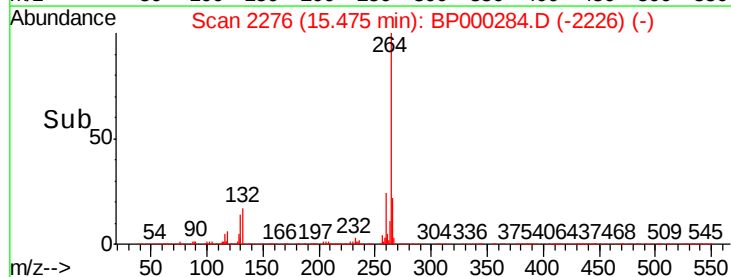
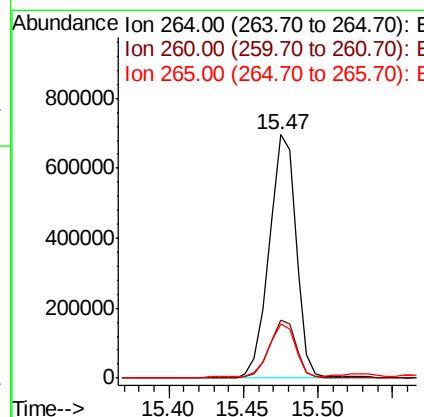
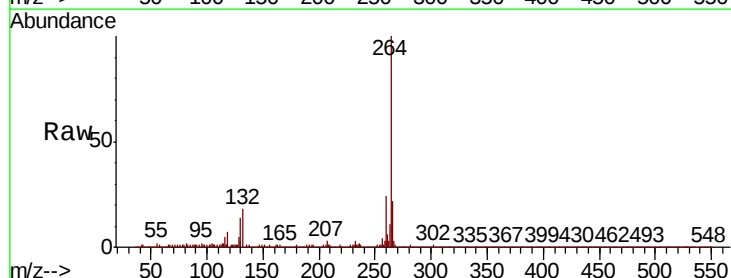
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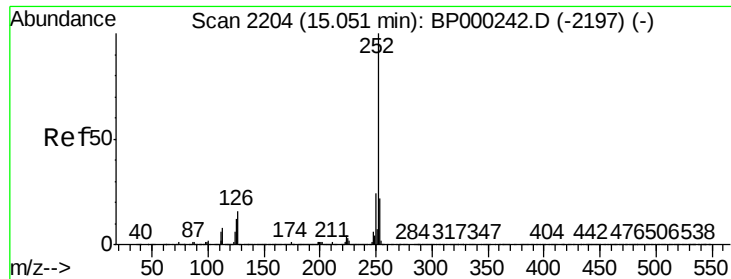
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	22.2	17.2	25.8





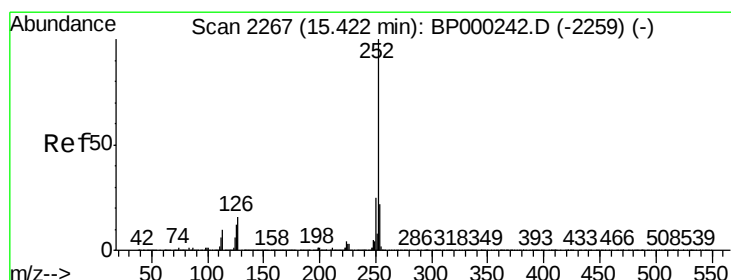
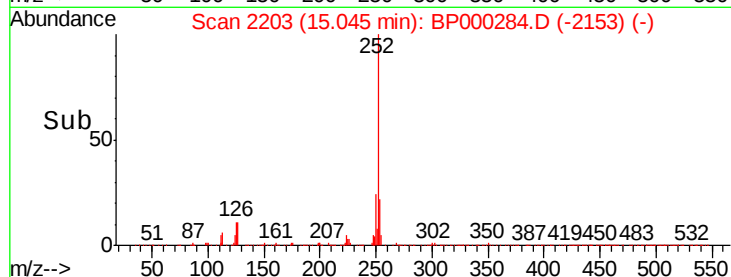
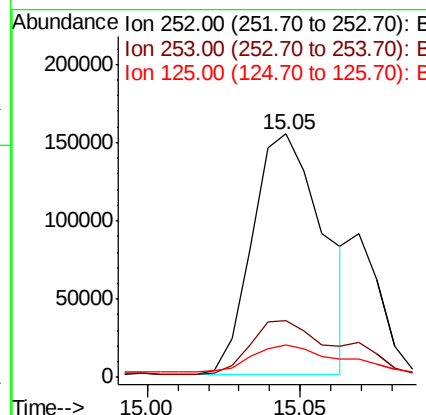
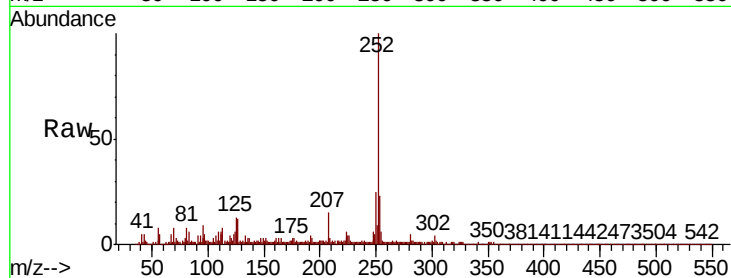
#88
Benzo(b)fluoranthene
Concen: 4.857 ng m
RT: 15.05 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Instrument :
BNA_P
ClientSampleId :
AOC-7(7)DL2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	13.4	9.5	14.3

Manual Integrations
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#90
Benzo(a)pyrene
Concen: 4.281 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BP000284.D
Acq: 17 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	12.8	10.0	15.0

