

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
 Data File : BF115754.D
 Acq On : 25 Jul 2019 12:12
 Operator : HP/JU
 Sample : K3887-01DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 AOC-7(1)DL

Manual Integrations
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mohammad
 7/26/2019 3:02:39 PM

Quant Time: Jul 25 13:25:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 25 13:16:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	126008	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	515593	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	297314	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	535737	20.00	ng	0.00
76) Chrysene-d12	14.03	240	316165	20.00	ng	0.00
87) Perylene-d12	15.50	264	371094	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	48794	6.33	ng	0.00
7) Phenol-d6	6.50	99	72199	7.39	ng	0.00
23) Nitrobenzene-d5	7.42	82	44095	4.97	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	19711	5.68	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	80481	4.74	ng	-0.01
79) Terphenyl-d14	12.97	244	83028	4.85	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	152430	6.104	ng	98
37) 2-Methylnaphthalene	8.86	142	114401m	6.912	ng	
38) 1-Methylnaphthalene	8.96	142	94041	5.982	ng	99
49) Acenaphthylene	9.77	152	294094	10.255	ng	98
58) Fluorene	10.45	166	122905	6.539	ng	100
71) Phenanthrene	11.42	178	962401	35.046	ng	99
72) Anthracene	11.47	178	281060	9.903	ng	98
75) Fluoranthene	12.61	202	965212	33.261	ng	98
78) Pyrene	12.84	202	1539449	57.471	ng	99
81) Benzo(a)anthracene	14.02	228	644326m	30.934	ng	
83) Chrysene	14.06	228	586592	28.054	ng	99
86) Indeno(1,2,3-cd)pyrene	16.97	276	232447	13.085	ng	98
88) Benzo(b)fluoranthene	15.07	252	459159m	19.215	ng	
89) Benzo(k)fluoranthene	15.10	252	163426m	7.671	ng	
90) Benzo(a)pyrene	15.44	252	277258	13.500	ng	# 86
91) Dibenzo(a,h)anthracene	16.98	278	73084m	4.053	ng	
92) Benzo(g,h,i)perylene	17.42	276	247849	13.783	ng	98

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

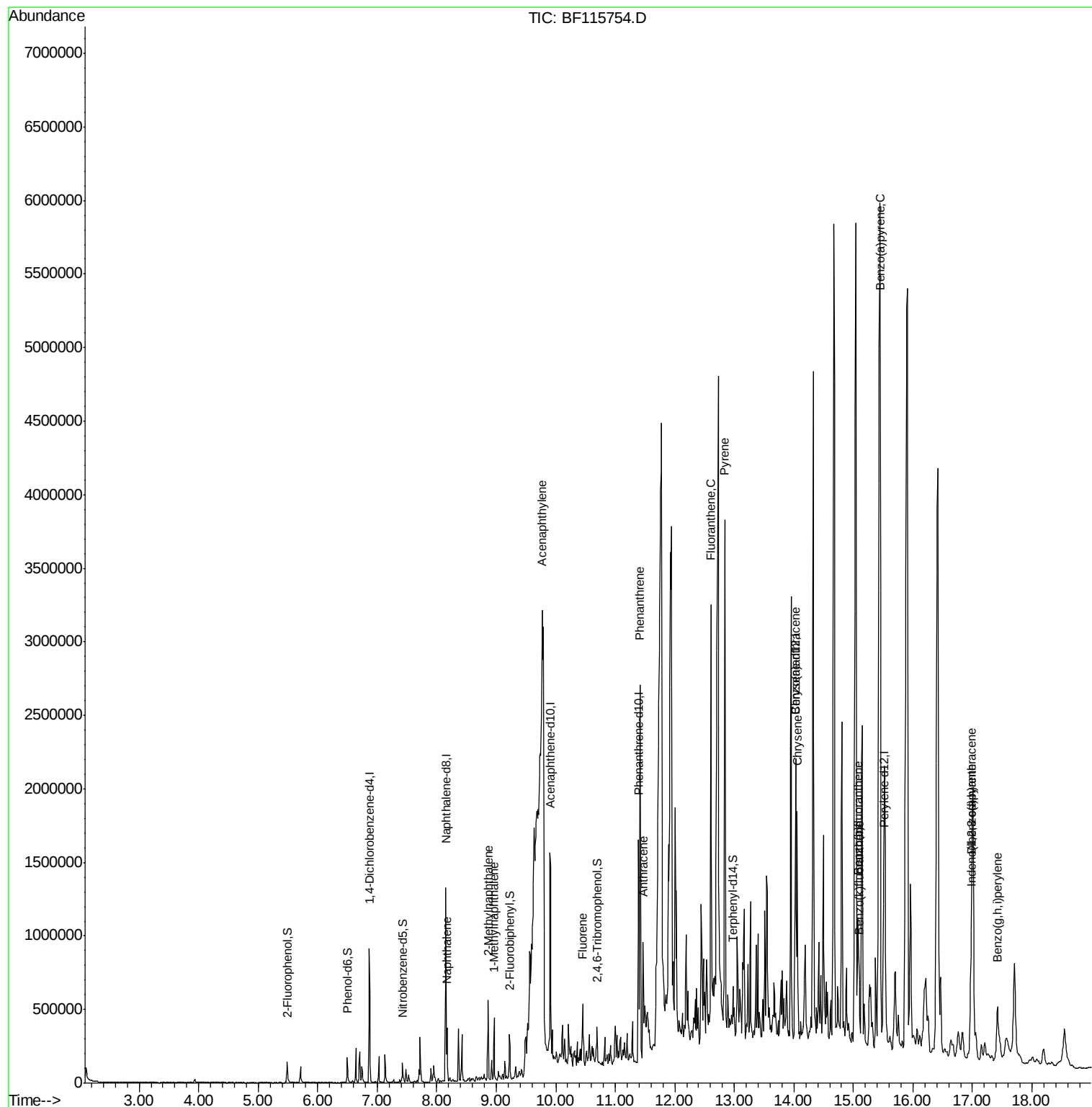
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
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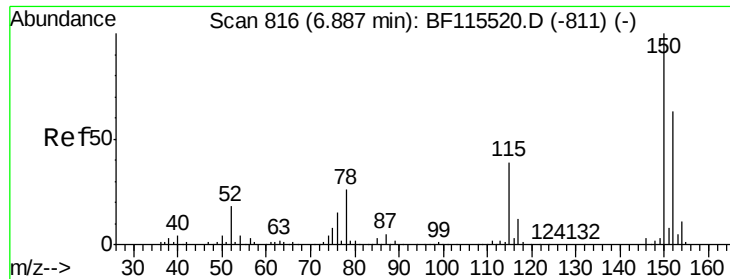
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Quant Time: Jul 25 13:25:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 25 13:16:07 2019
Response via : Initial Calibration





#1

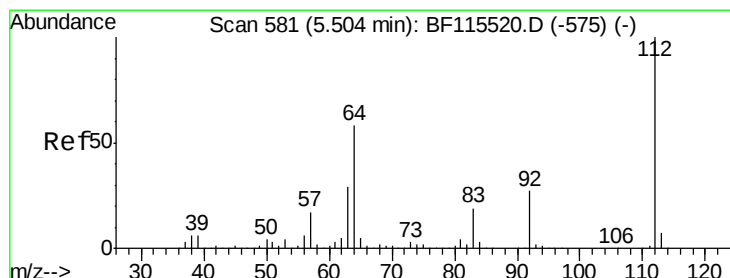
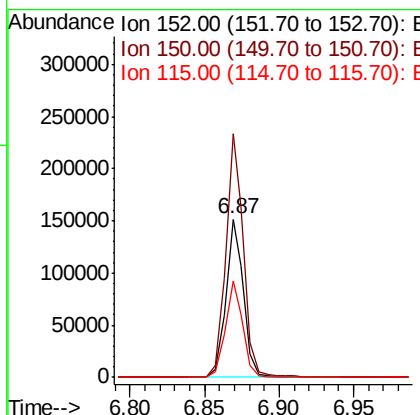
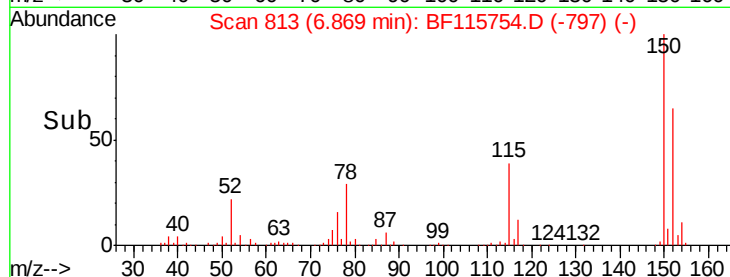
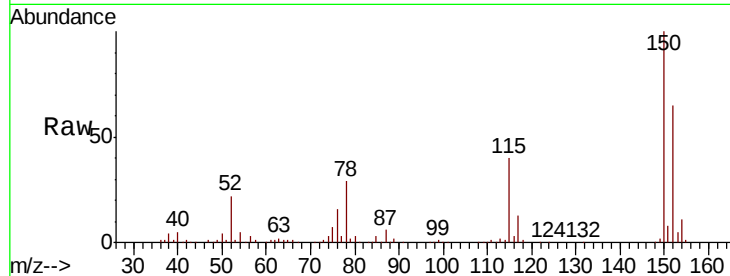
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	126.6	189.8
115	60.9	47.8	71.6

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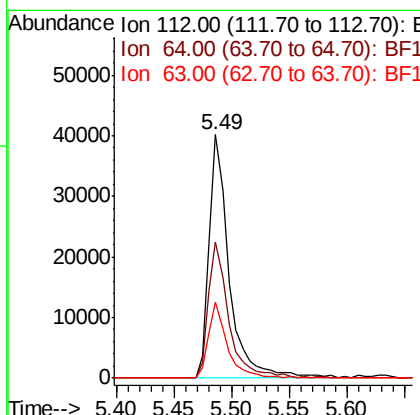
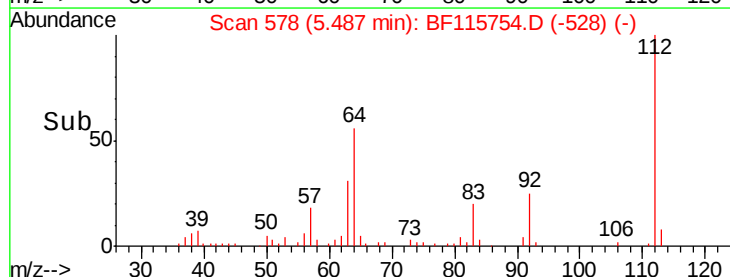
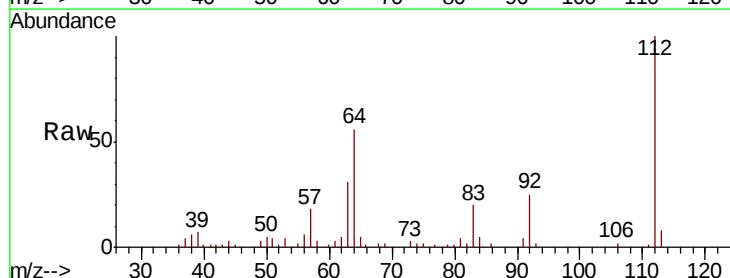
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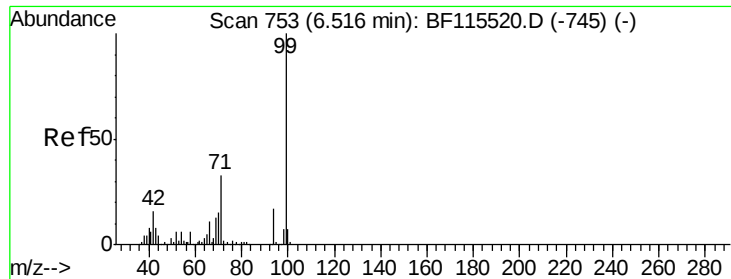


#5

2-Fluorophenol
Concen: 6.334 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.8	68.8
63	31.1	23.6	35.4





#7

Phenol-d6

Concen: 7.386 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF115754.D

Acq: 25 Jul 2019 12:12

Instrument :

BNA_F

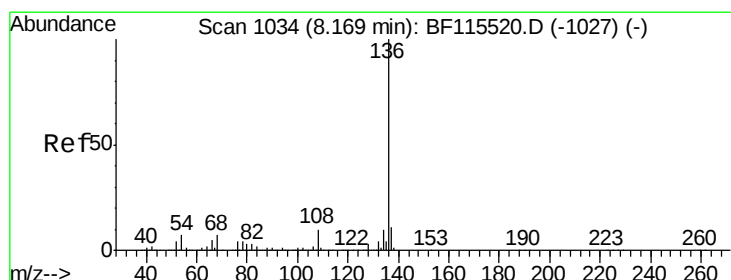
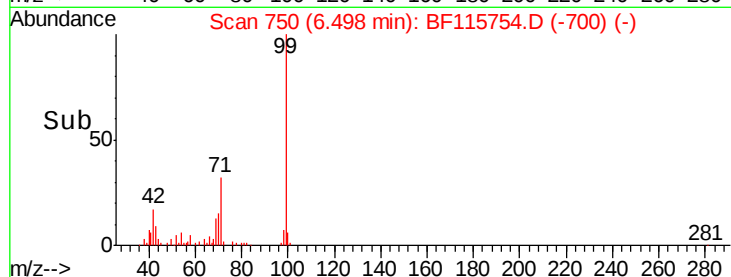
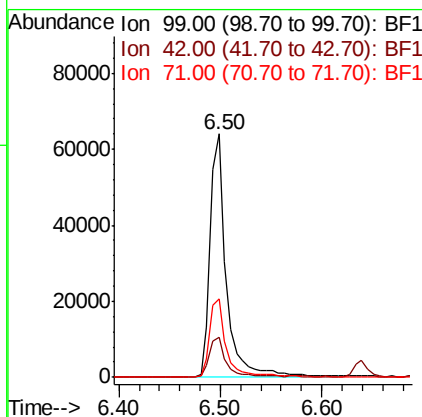
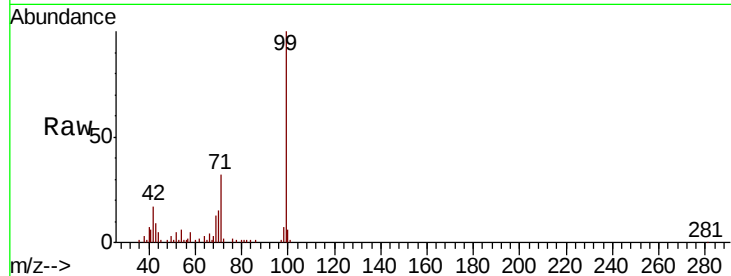
ClientSampleId :

AOC-7(1)DL

Tot Ion:	99	Resp:	72199
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.4	20.2
71	32.1	26.7	40.1

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#21

Naphthalene-d8

Concen: 20.000 ng

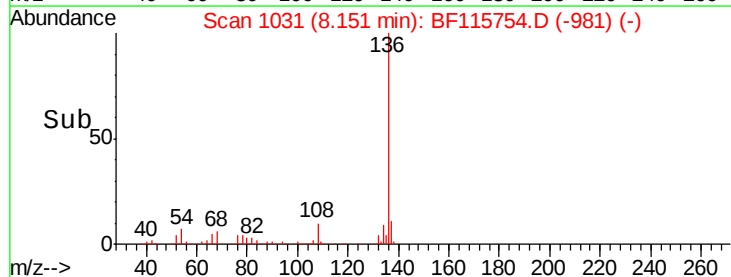
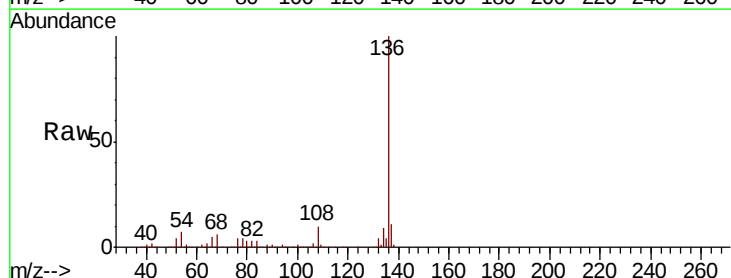
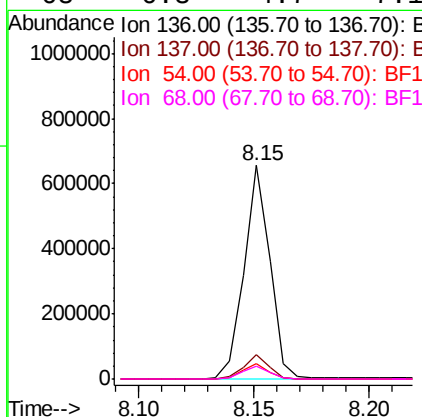
RT: 8.15 min Scan# 1031

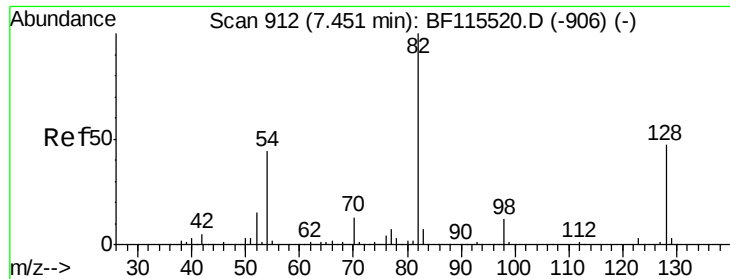
Delta R.T. -0.01 min

Lab File: BF115754.D

Acq: 25 Jul 2019 12:12

Tgt Ion:	136	Resp:	515593
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	7.1	5.0	7.6
68	6.3	4.7	7.1





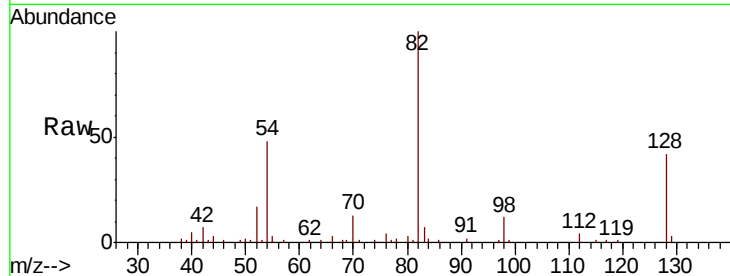
#23
 Nitrobenzene-d5
 Concen: 4.973 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF115754.D
 Acq: 25 Jul 2019 12:12

Instrument :
 BNA_F
 ClientSampleId :
 AOC-7(1)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.7	36.6	55.0
54	48.2	36.6	54.8

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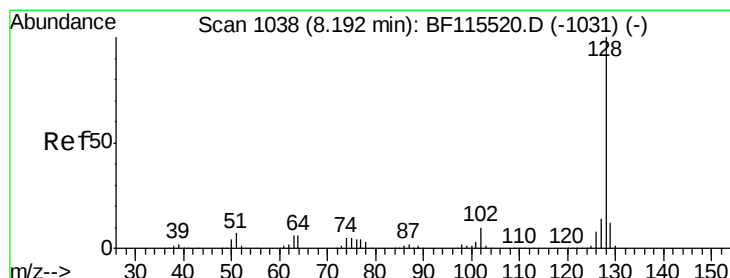
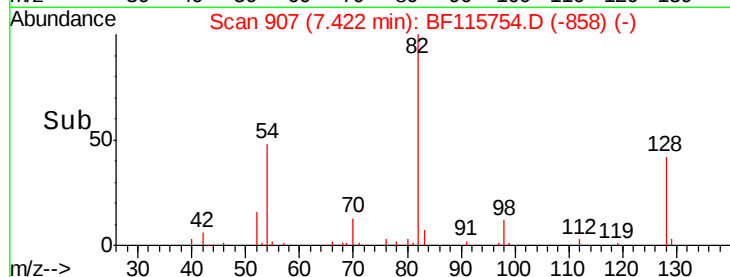
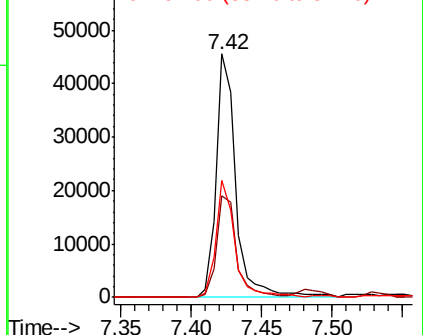


Abundance

Ion 82.00 (81.70 to 82.70): BF1

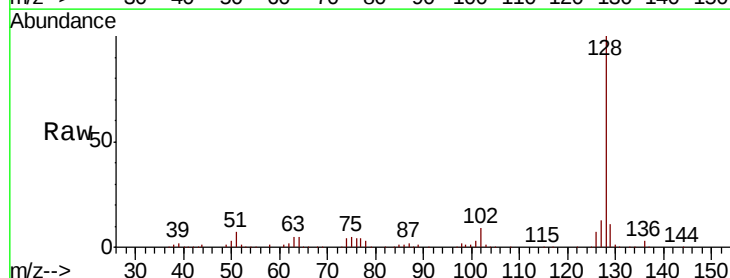
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



#31
 Naphthalene
 Concen: 6.104 ng
 RT: 8.17 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BF115754.D
 Acq: 25 Jul 2019 12:12

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.4	14.2
127	13.2	10.9	16.3

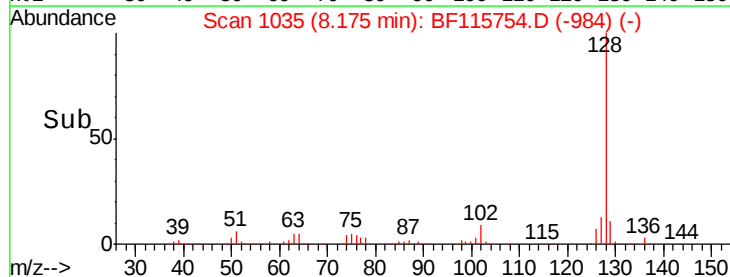
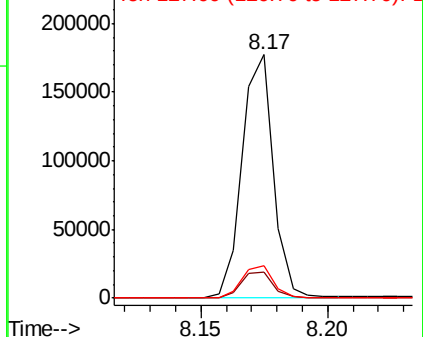


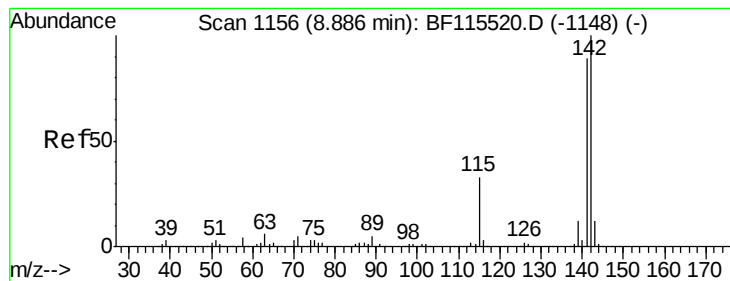
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





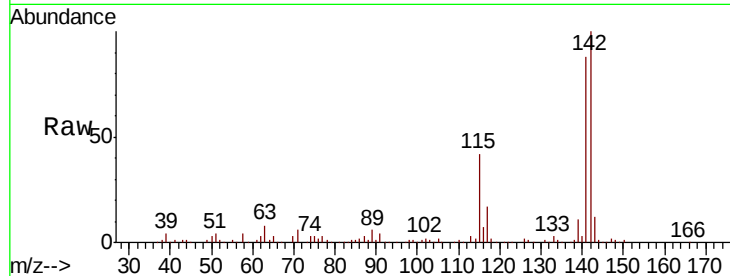
#37
2-Methylnaphthalene
Concen: 6.912 ng m
RT: 8.86 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.0	106.4
115	42.4	27.7	41.5

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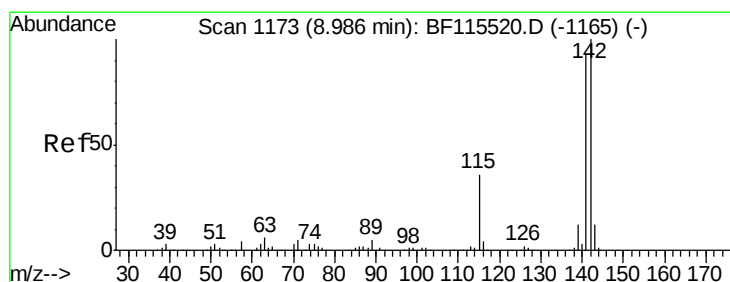
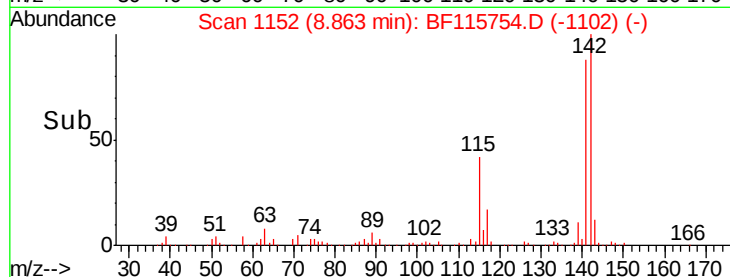
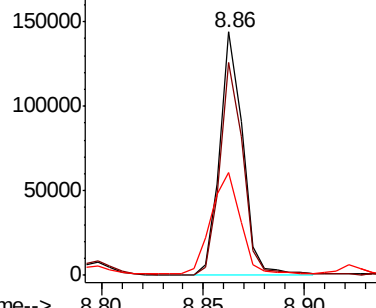


Abundance

Ion 142.00 (141.70 to 142.70): E

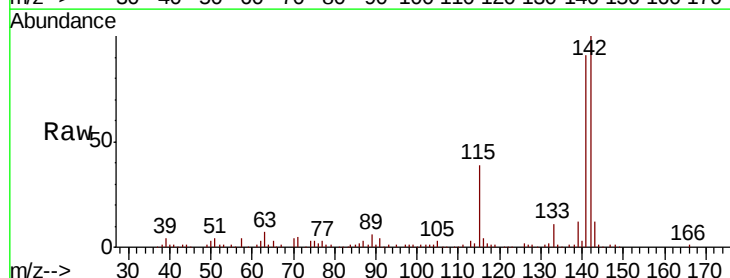
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 5.982 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	73.9	110.9
116	4.3	3.0	4.6

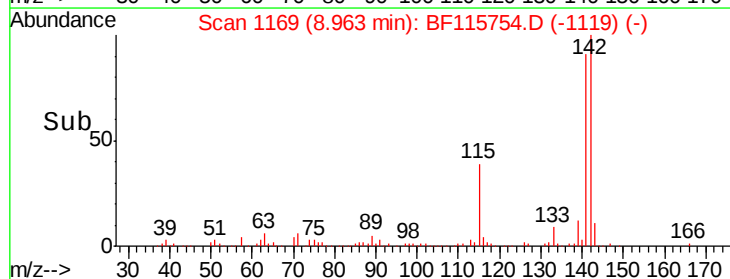
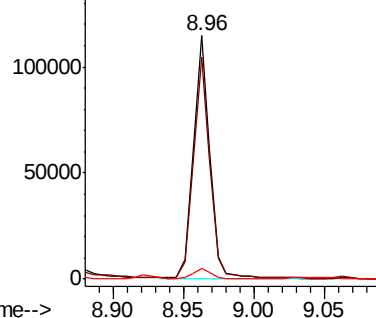


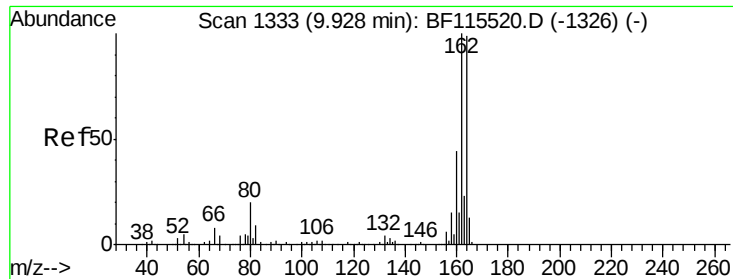
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





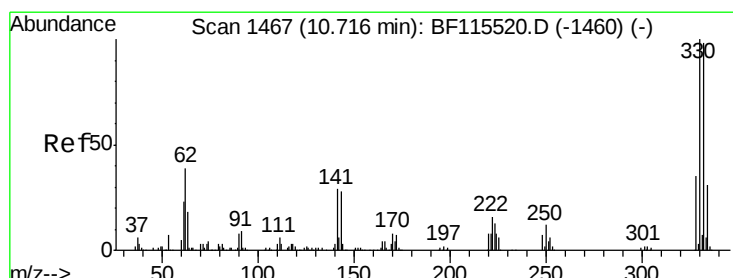
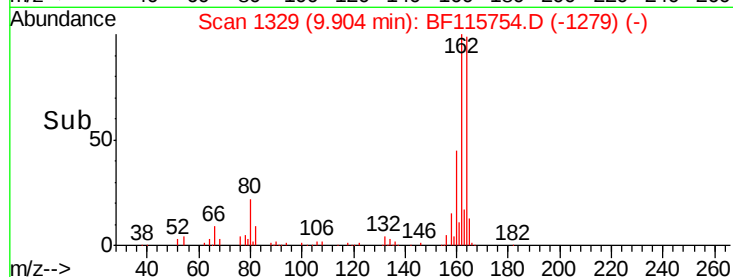
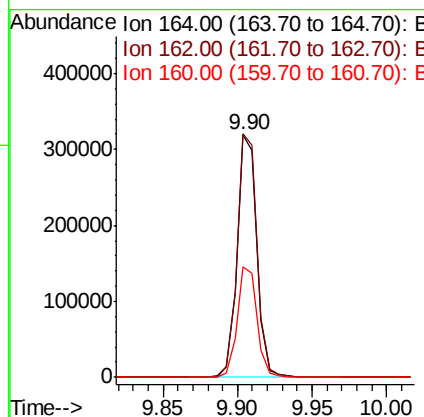
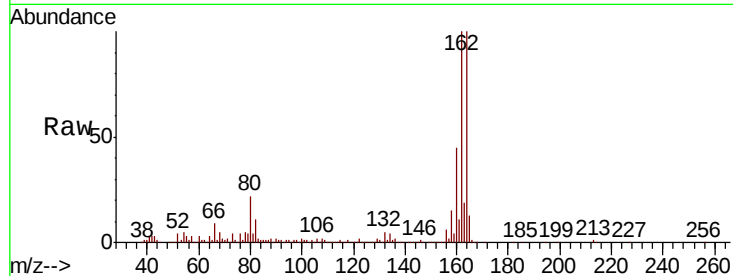
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: BF115754.D
 Acq: 25 Jul 2019 12:12

Instrument :
 BNA_F
 ClientSampleId :
 AOC-7(1)DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	297314		
162	100.5	81.8	122.6	
160	45.3	37.5	56.3	

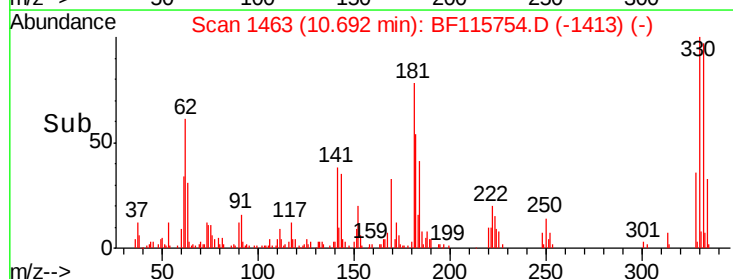
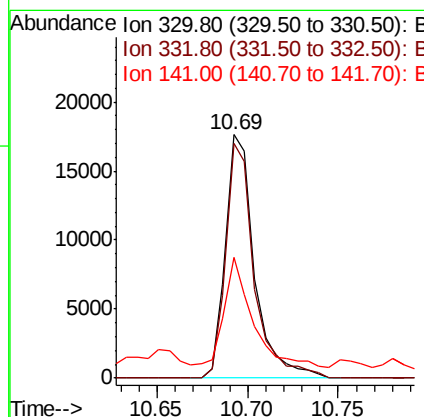
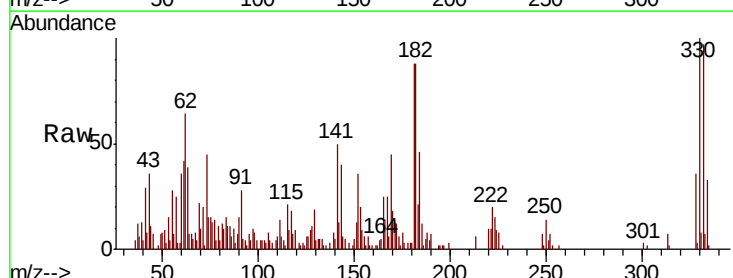
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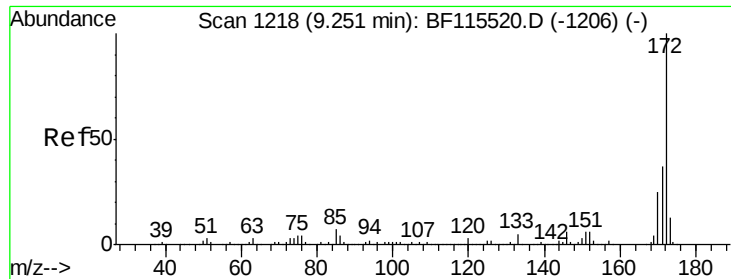
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#42
 2,4,6-Tribromophenol
 Concen: 5.680 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF115754.D
 Acq: 25 Jul 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	19711		
332	94.5	76.1	114.1	
141	45.5	25.9	38.9#	





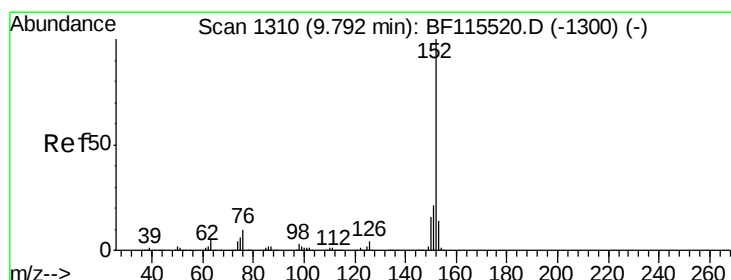
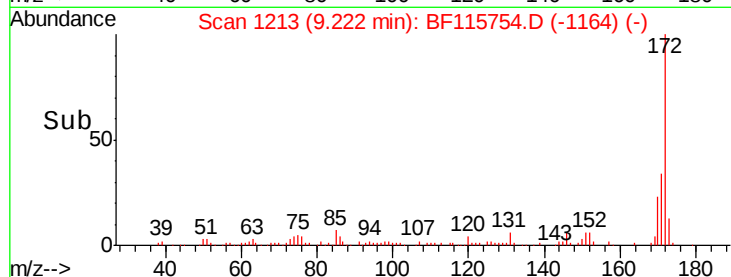
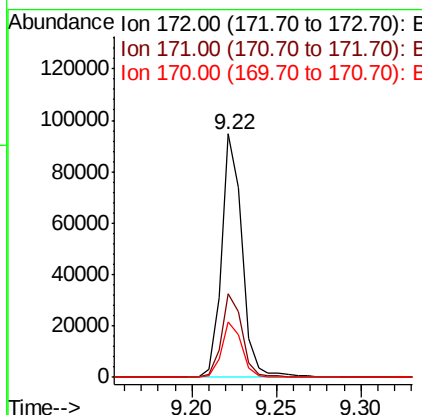
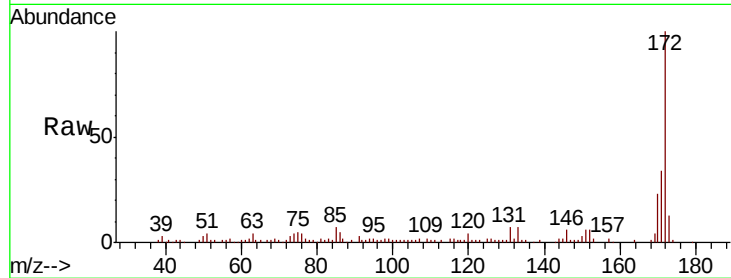
#45
2-Fluorobiphenyl
Concen: 4.738 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.0	43.4
170	23.0	20.1	30.1

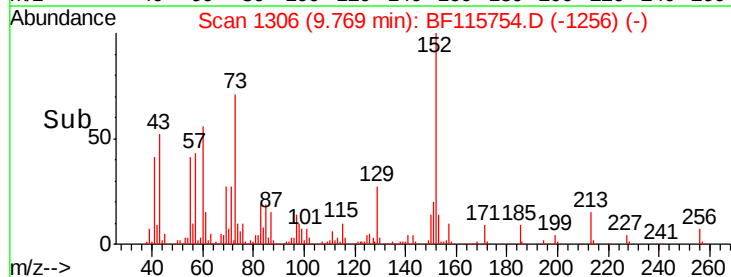
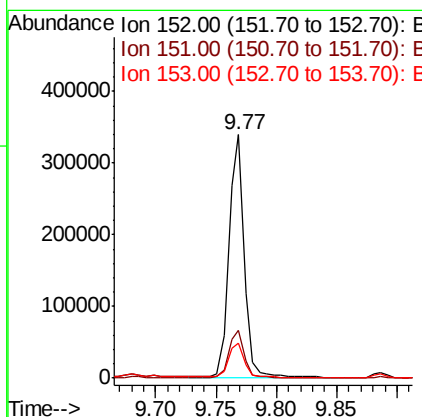
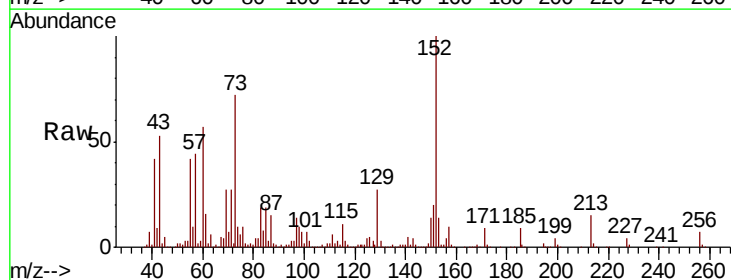
Manual Integrations
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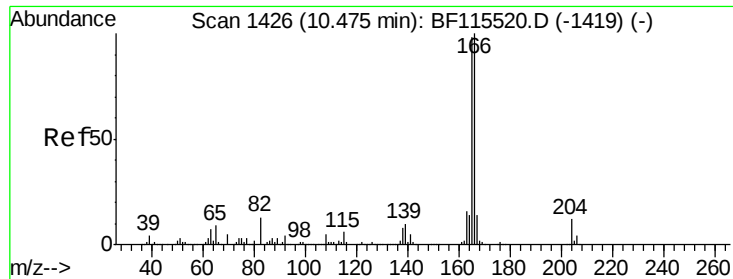
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#49
Acenaphthylene
Concen: 10.255 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.9	25.3
153	14.5	11.5	17.3





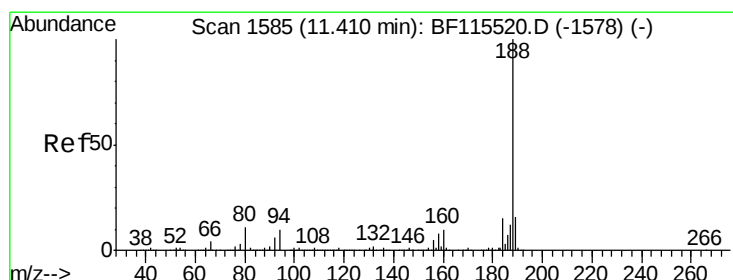
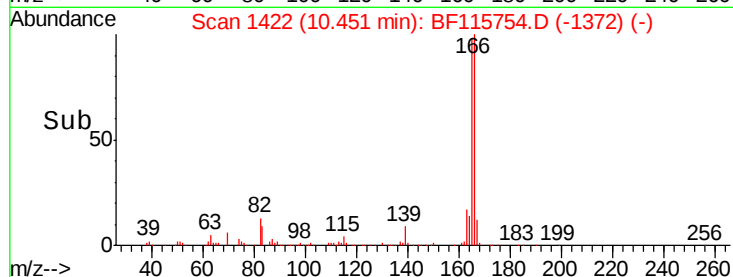
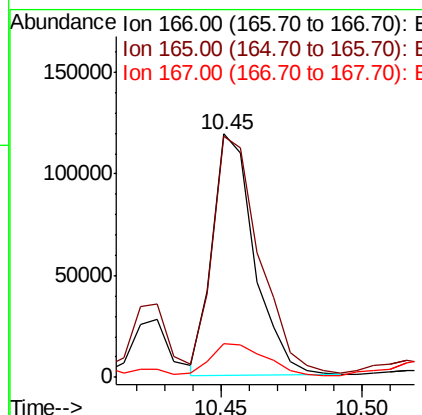
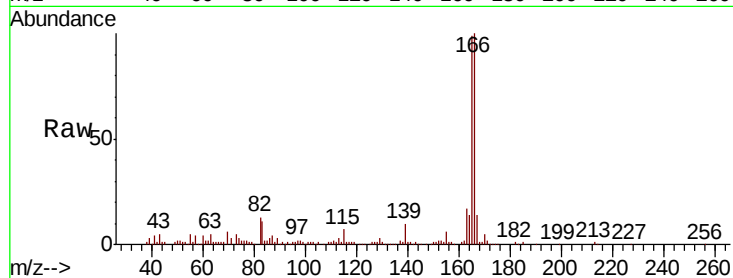
#58
 Fluorene
 Concen: 6.539 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.01 min
 Lab File: BF115754.D
 Acq: 25 Jul 2019 12:12

Instrument :
 BNA_F
 ClientSampleId :
 AOC-7(1)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		122905		
165	99.0	79.0	118.4		
167	13.9	11.0	16.6		

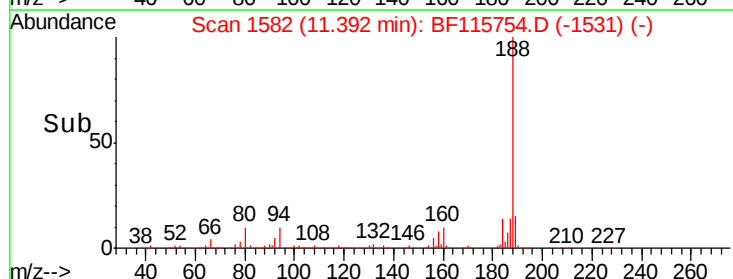
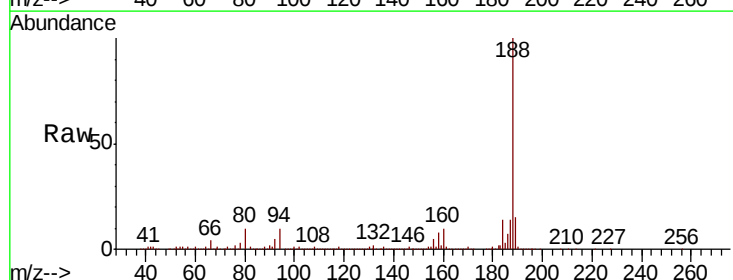
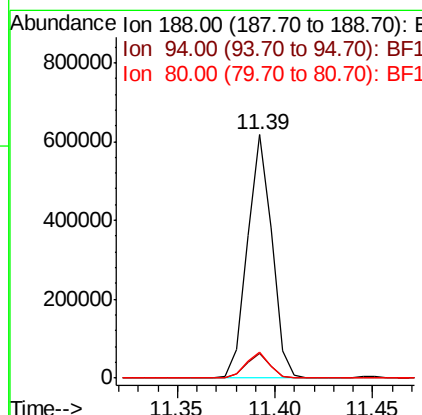
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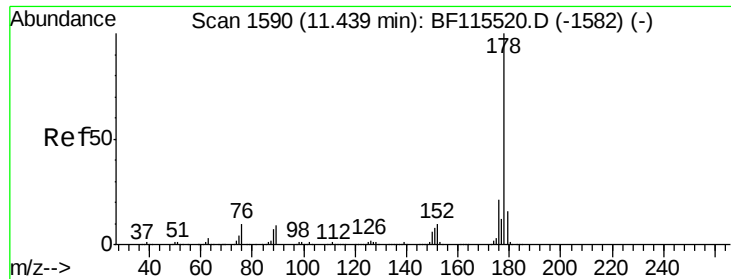
mohammad
 7/26/2019 3:02:39 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF115754.D
 Acq: 25 Jul 2019 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		535737		
94	9.9	8.2	12.2		
80	10.5	9.0	13.6		





#71

Phenanthrene

Concen: 35.046 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF115754.D

Acq: 25 Jul 2019 12:12

Instrument :

BNA_F

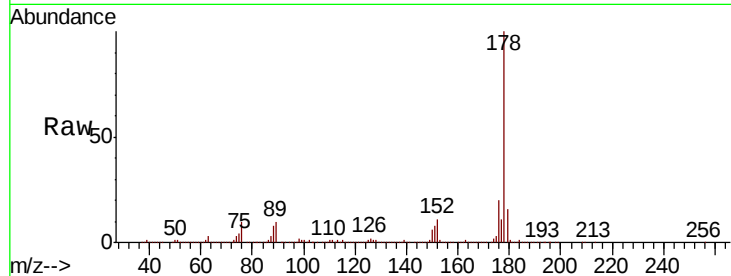
ClientSampled :

AOC-7(1)DL

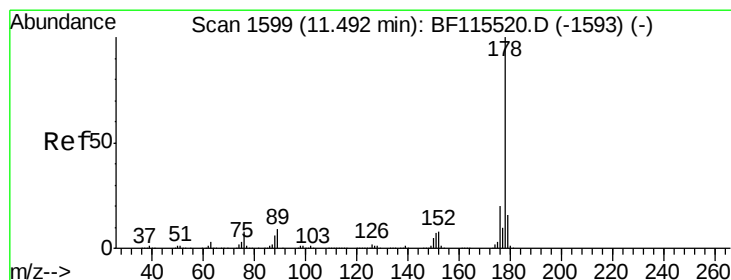
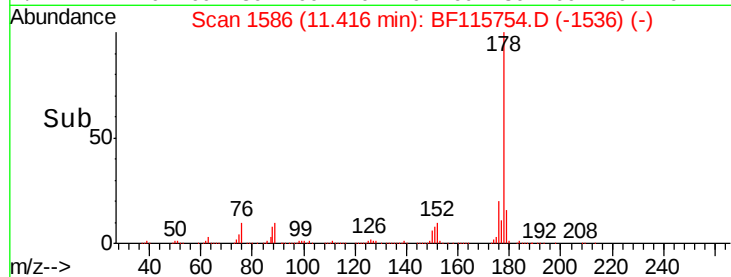
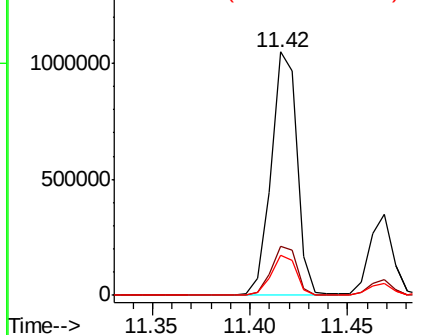
Tot Ion:178	Resp:	962401
Ion Ratio	Lower	Upper
178	100	
176	20.3	16.4 24.6
179	16.2	12.7 19.1

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7/26/2019 3:02:39 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 9.903 ng

RT: 11.47 min Scan# 1595

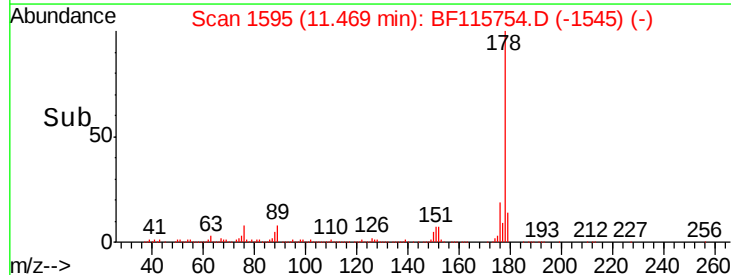
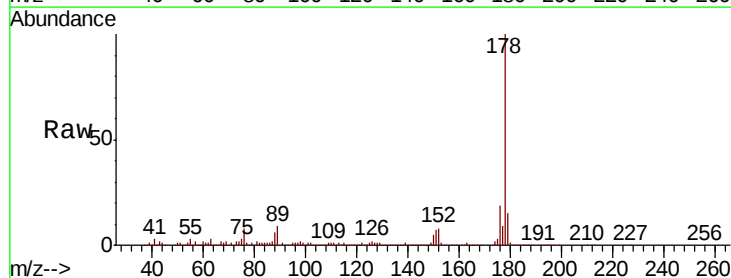
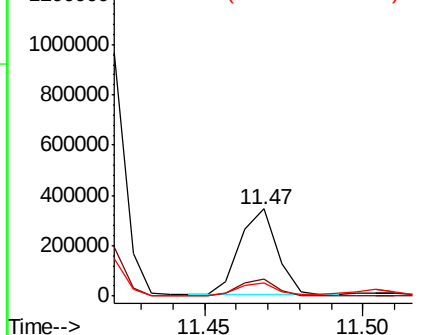
Delta R.T. -0.01 min

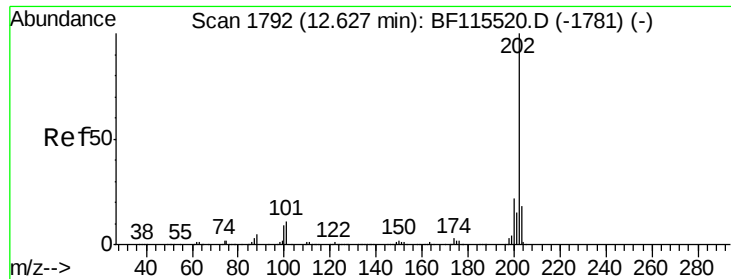
Lab File: BF115754.D

Acq: 25 Jul 2019 12:12

Tgt Ion:178	Resp:	281060
Ion Ratio	Lower	Upper
178	100	
176	19.0	16.1 24.1
179	15.2	12.6 18.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 33.261 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BF115754.D

Acq: 25 Jul 2019 12:12

Instrument :

BNA_F

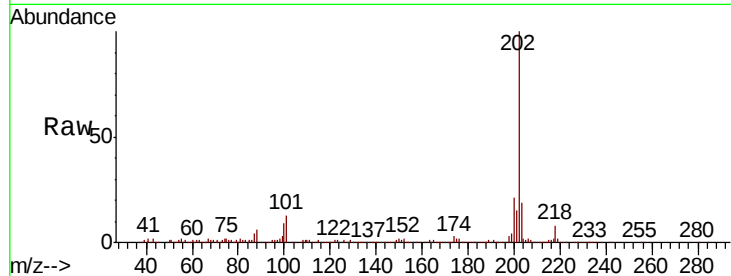
ClientSampled :

AOC-7(1)DL

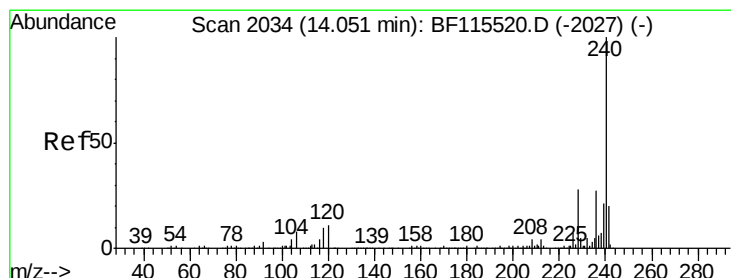
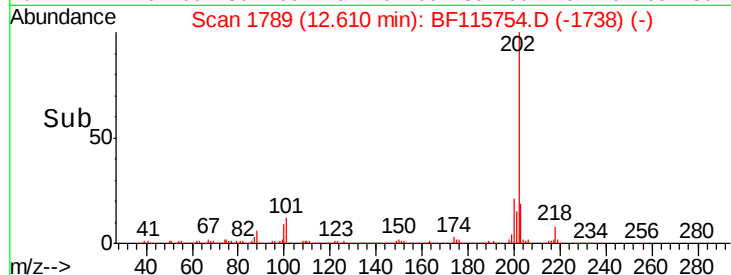
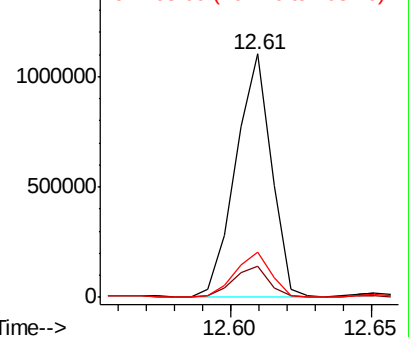
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		965212		
101	12.6	0.0	31.6		
203	18.6	0.0	38.0		

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7/26/2019 3:02:39 PM



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

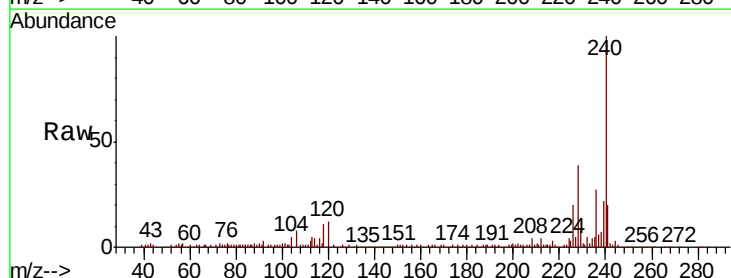
RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

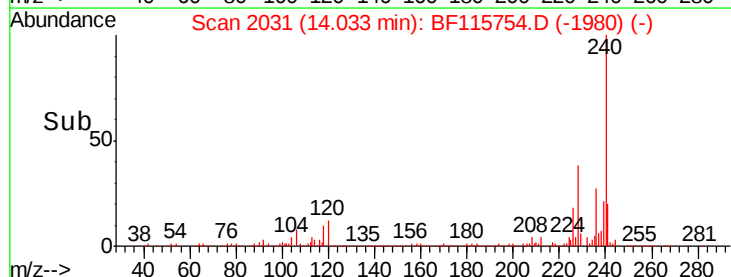
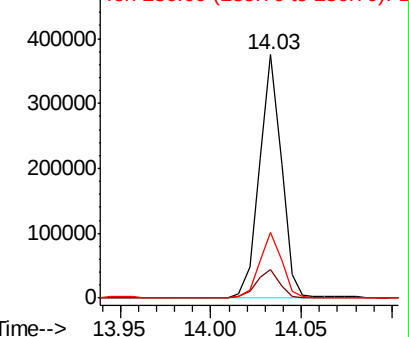
Lab File: BF115754.D

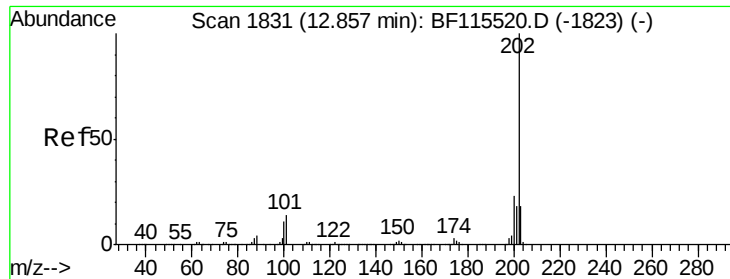
Acq: 25 Jul 2019 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		316165		
120	11.8	10.0	15.0		
236	27.2	21.8	32.6		



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





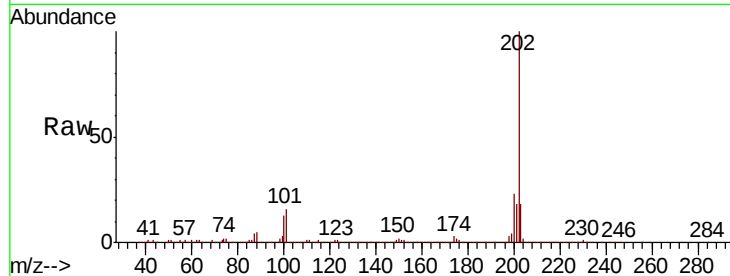
#78
Pvrene
Concen: 57.471 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

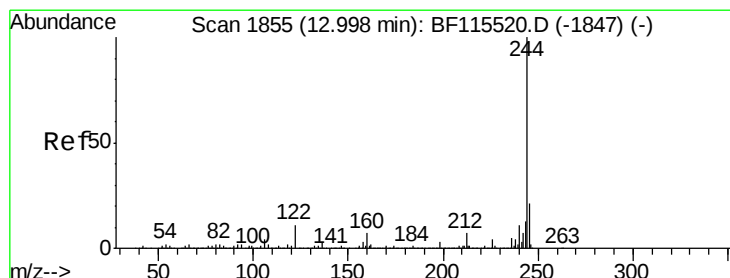
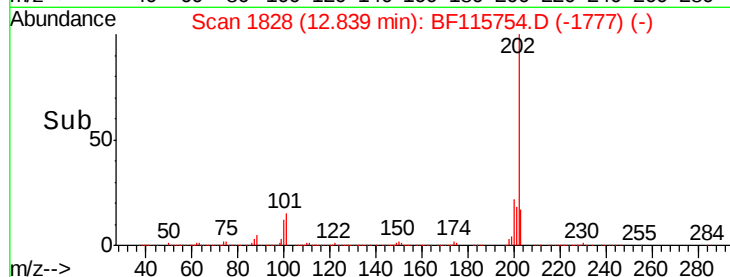
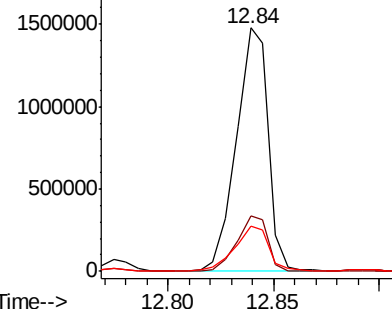
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.6	18.2	27.4
203	18.5	14.6	21.8

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7/26/2019 3:02:39 PM

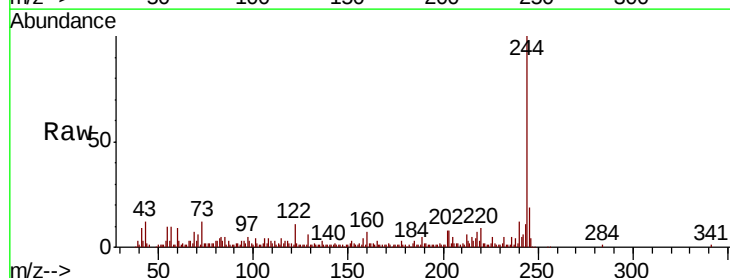


Abundance Ion 202.00 (201.70 to 202.70): E
2000000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

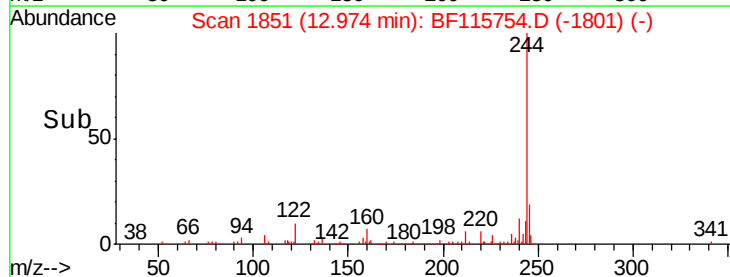
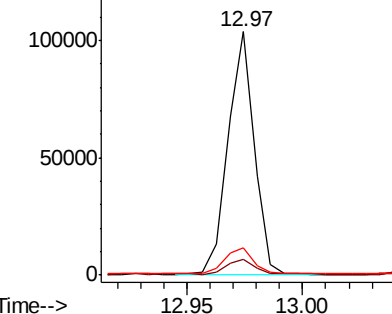


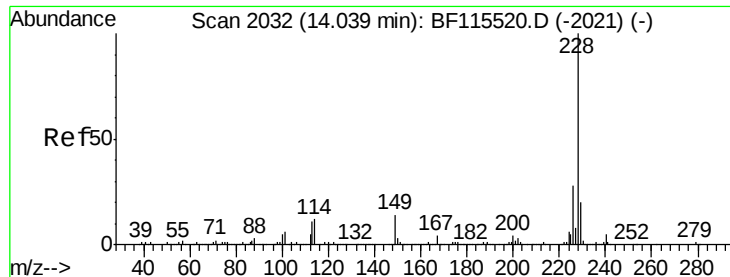
#79
Terphenyl-d14
Concen: 4.846 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.01 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.5	8.3
122	11.0	8.2	12.4



Abundance Ion 244.00 (243.70 to 244.70): E
100000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





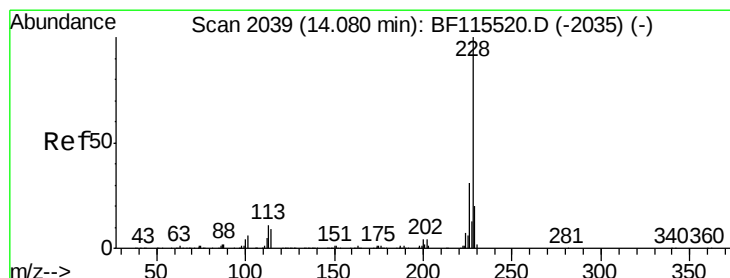
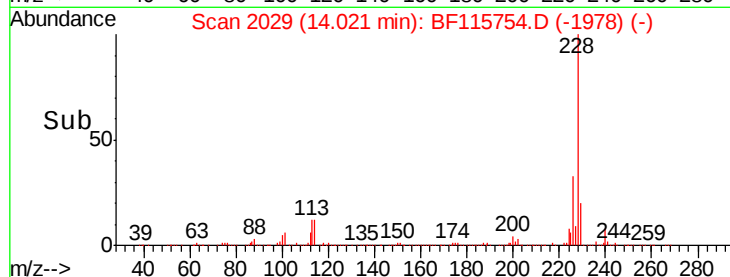
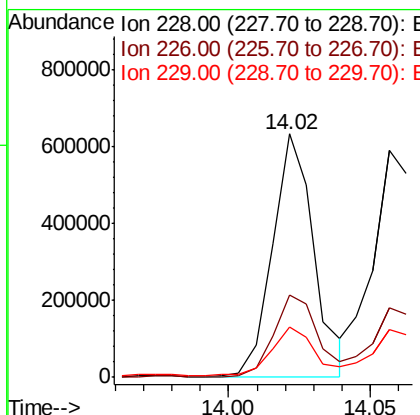
#81
Benzo(a)anthracene
Concen: 30.934 ng m
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.6	22.2	33.2#
229	20.9	16.1	24.1

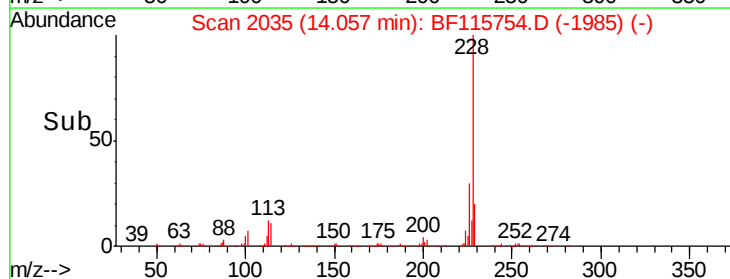
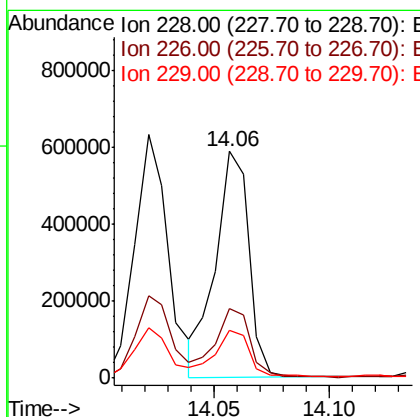
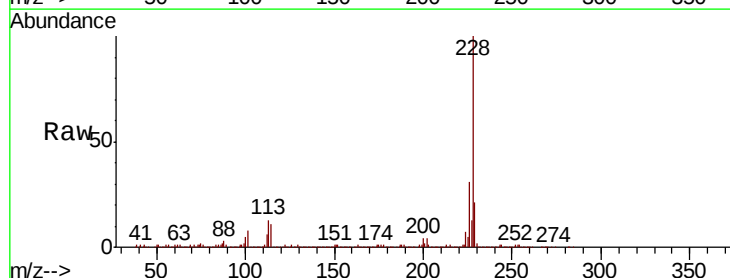
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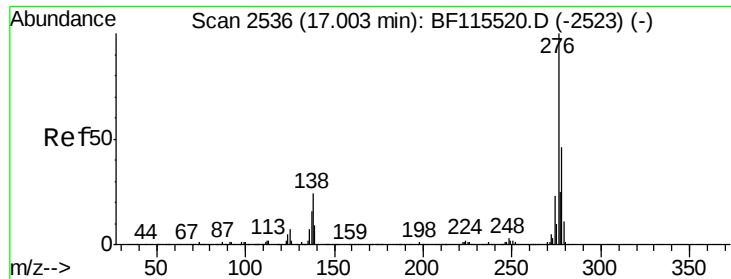
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#83
Chrysene
Concen: 28.054 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.4
229	21.1	16.2	24.2





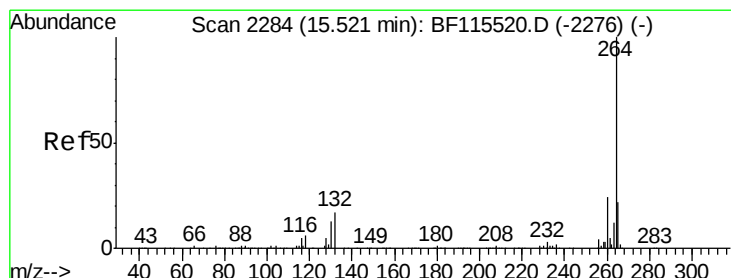
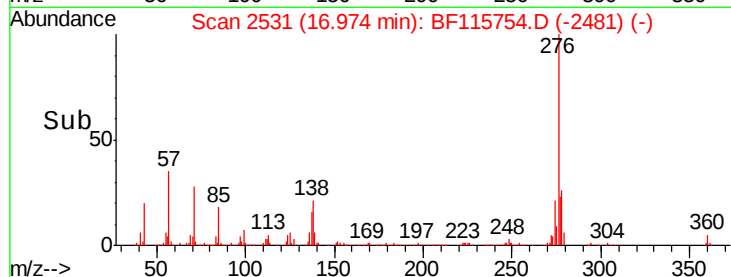
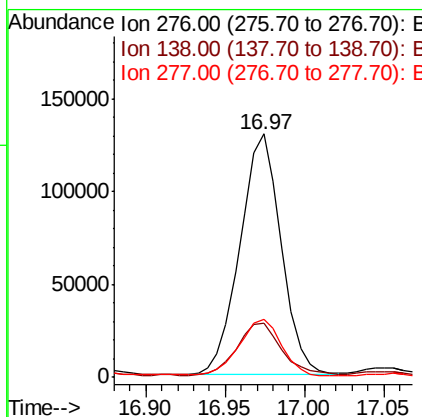
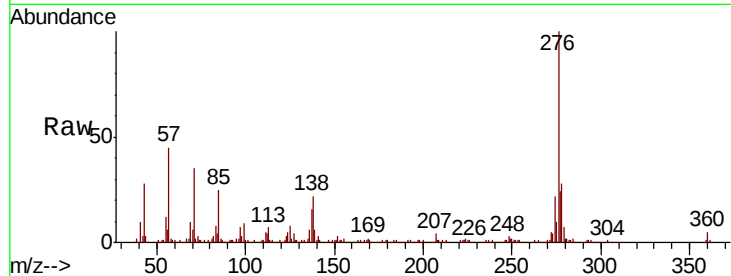
#86
Indeno(1,2,3-cd)pyrene
Concen: 13.085 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.9	20.1	30.1
277	24.1	19.8	29.8

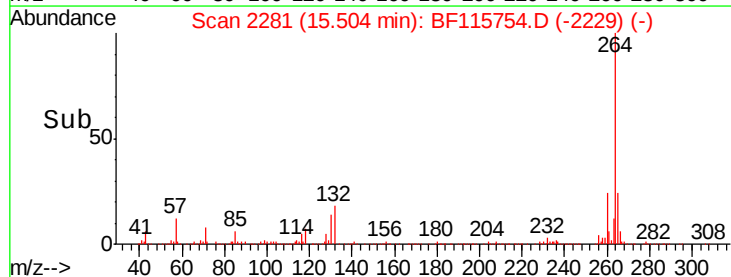
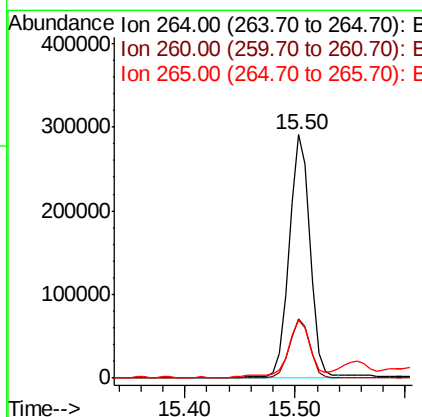
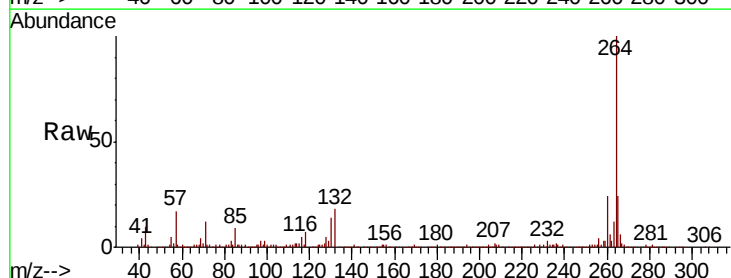
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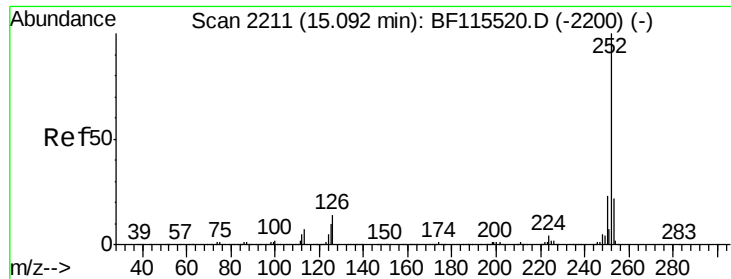
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.6
265	24.1	17.5	26.3





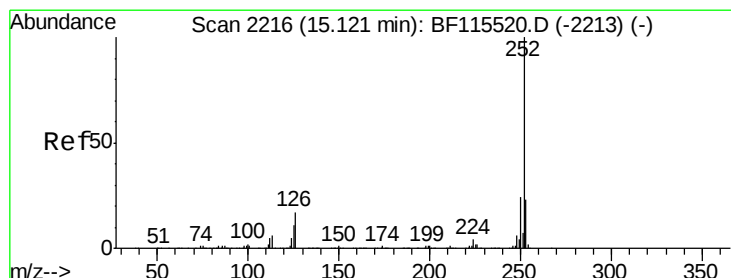
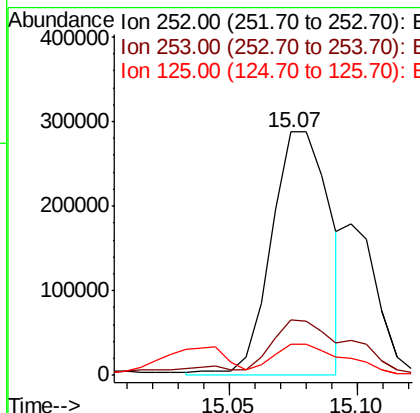
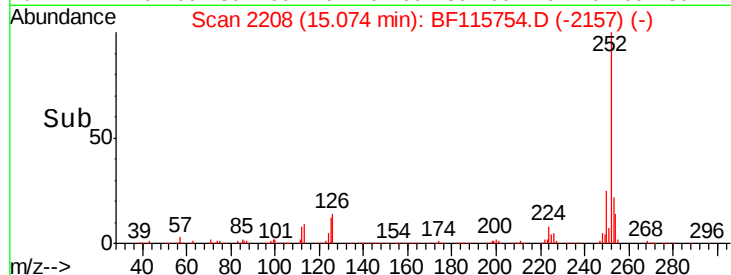
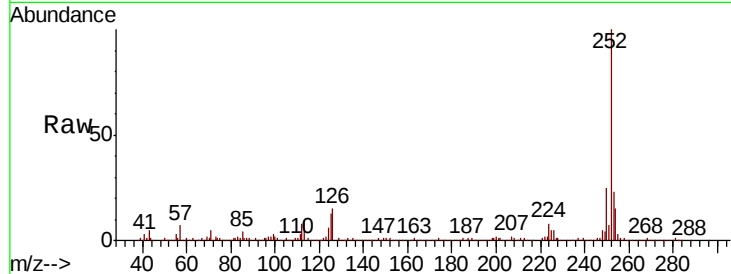
#88
Benzo(b)fluoranthene
Concen: 19.215 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	12.9	8.4	12.6

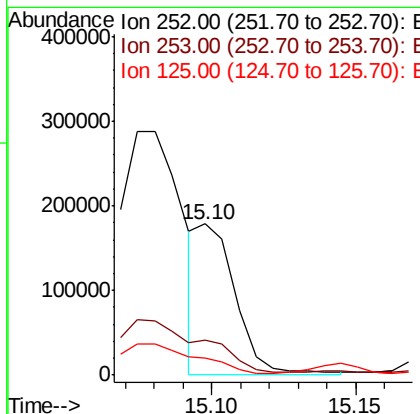
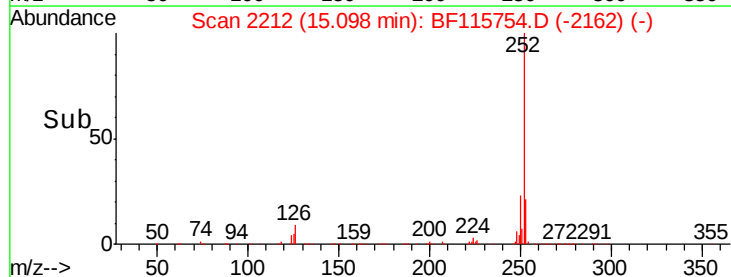
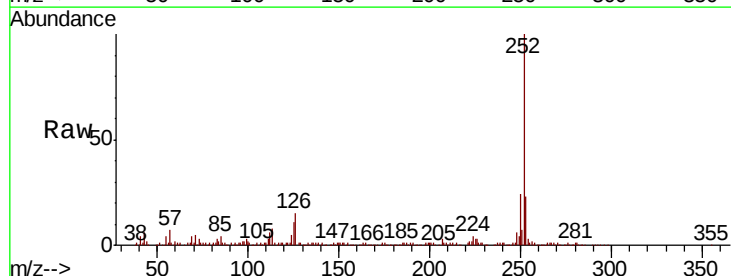
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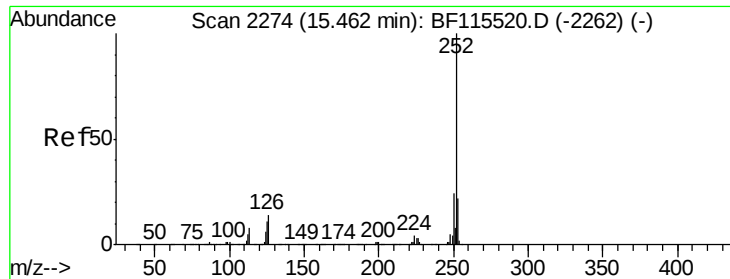
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#89
Benzo(k)fluoranthene
Concen: 7.671 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.4	8.6	13.0





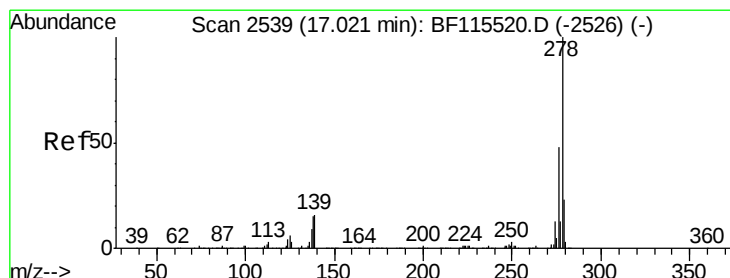
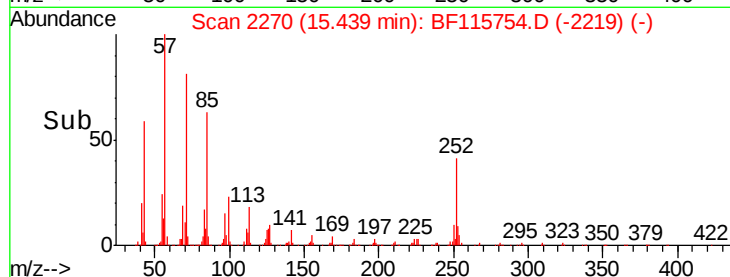
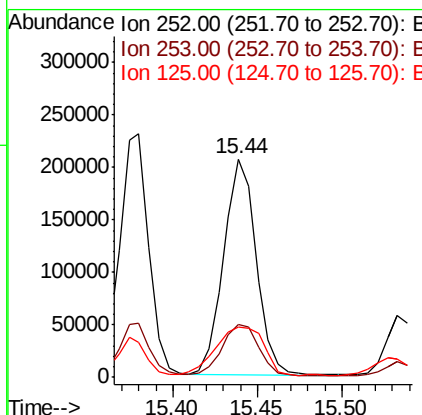
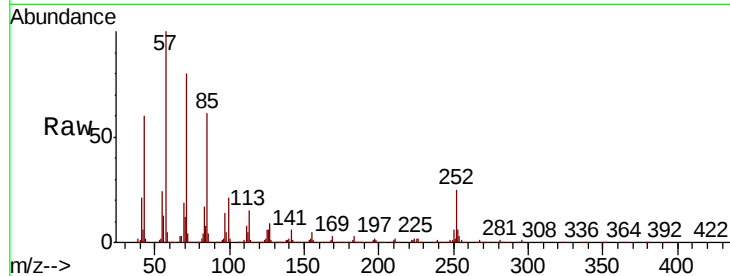
#90
Benzo(a)pyrene
Concen: 13.500 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Instrument :
BNA_F
ClientSampleId :
AOC-7(1)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.3	25.9
125	23.1	9.4	14.2

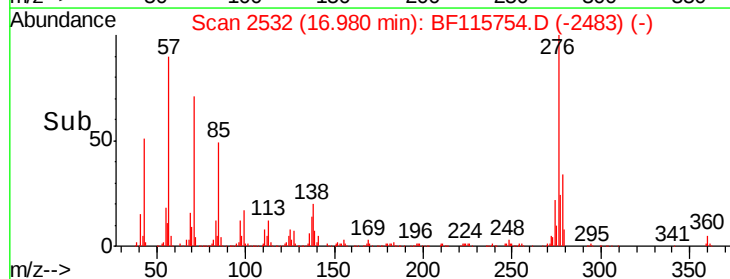
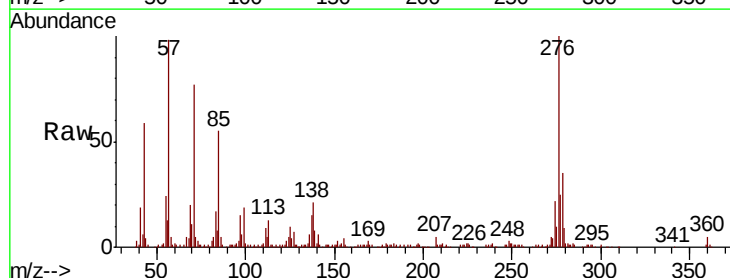
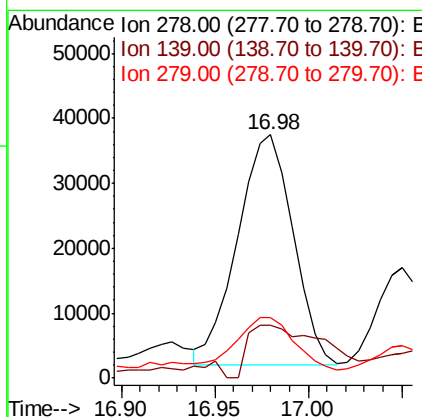
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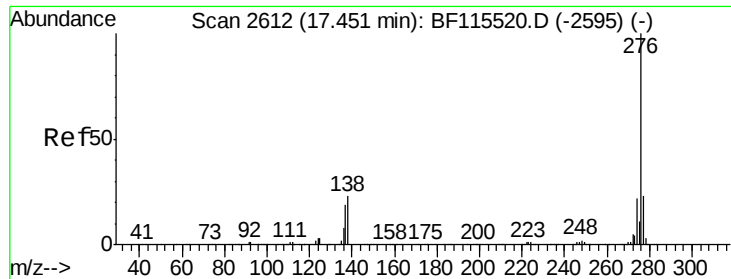
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#91
Dibenzo(a,h)anthracene
Concen: 4.053 ng m
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BF115754.D
Acq: 25 Jul 2019 12:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.9	13.6	20.4
279	25.1	19.6	29.4





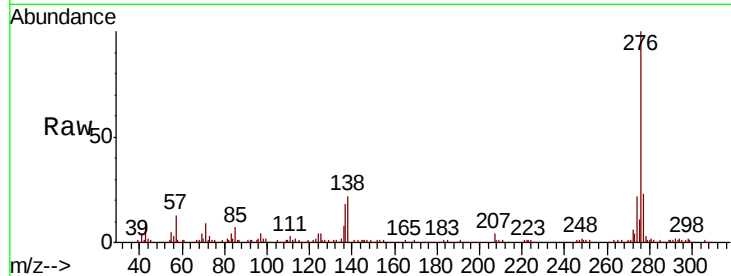
#92
 Benzo(a,h,i)perylene
 Concen: 13.783 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.01 min
 Lab File: BF115754.D
 Acq: 25 Jul 2019 12:12

Instrument :
 BNA_F
 ClientSampleId :
 AOC-7(1)DL

Tot Ion:	276	Resp:	247849
Ion Ratio	Lower	Upper	
276	100		
277	23.0	18.1	27.1
138	22.0	16.6	24.8

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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

