

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
 Data File : BG044428.D
 Acq On : 13 Feb 2020 21:56
 Operator : CG/JU
 Sample : L1509-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AOC-3-SP-C

Manual Integrations
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Quant Time: Feb 14 10:19:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	91644	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	403864	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	250921	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	506734	20.00	ng	0.00
76) Chrysene-d12	21.53	240	472516	20.00	ng	0.00
87) Perylene-d12	24.62	264	506876	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	248812	47.92	ng	0.00
7) Phenol-d6	7.07	99	343788	49.30	ng	0.00
23) Nitrobenzene-d5	9.06	82	210125	29.37	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	121846	41.36	ng	0.00
45) 2-Fluorobiphenyl	13.16	172	431615	28.80	ng	0.00
79) Terphenyl-d14	19.90	244	544817	23.72	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	12.37	142	31067	2.135	ng	99
38) 1-Methylnaphthalene	12.58	142	52196	3.806	ng	97
49) Acenaphthylene	14.26	152	53533	2.534	ng	# 95
52) Acenaphthene	14.60	154	95529	6.977	ng	96
58) Fluorene	15.59	166	65961	4.040	ng	98
71) Phenanthrene	17.32	178	434967	17.726	ng	97
72) Anthracene	17.42	178	189394	7.807	ng	94
75) Fluoranthene	19.34	202	633766	22.327	ng	99
78) Pyrene	19.70	202	694290	22.880	ng	97
81) Benzo(a)anthracene	21.51	228	317318	10.896	ng	98
83) Chrysene	21.57	228	295914	10.513	ng	97
84) Bis(2-ethylhexyl)phthalate	21.44	149	43025	2.260	ng	97
86) Indeno(1,2,3-cd)pyrene	28.12	276	133739	3.642	ng	96
88) Benzo(b)fluoranthene	23.65	252	293766	10.058	ng	# 96
89) Benzo(k)fluoranthene	23.71	252	106766m	3.751	ng	
90) Benzo(a)pyrene	24.48	252	259359	9.392	ng	# 96
92) Benzo(a,h,i)perylene	29.20	276	137804	5.037	ng	96

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

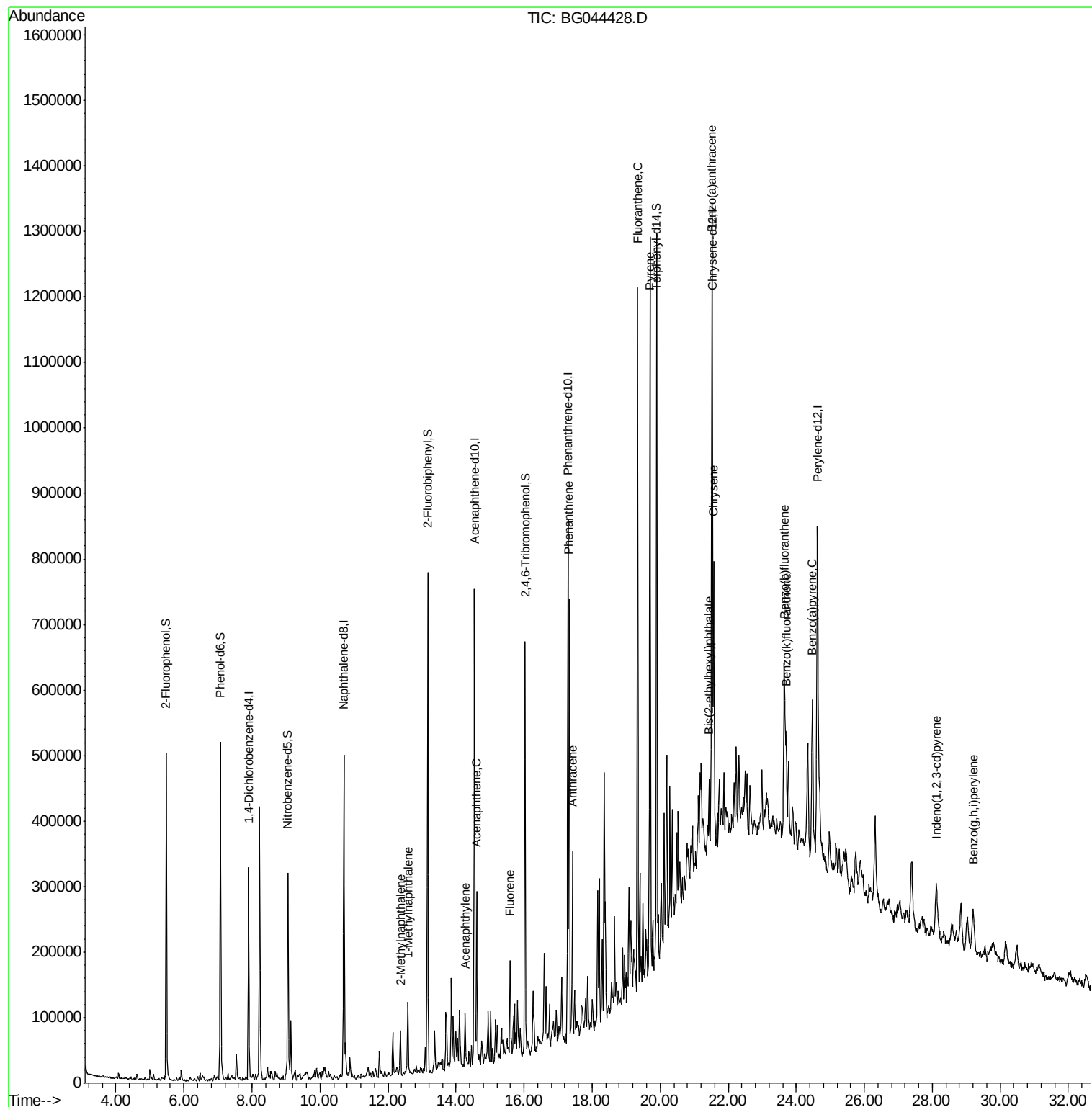
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021320\
Data File : BG044428.D
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ALS Vial : 10 Sample Multiplier: 1

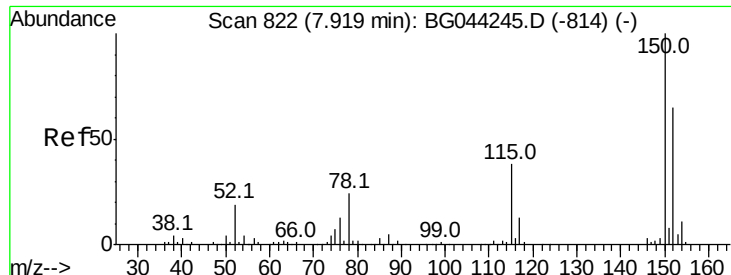
Instrument :
BNA_G
ClientSampleId :
AOC-3-SP-C

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Quant Time: Feb 14 10:19:59 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 10 16:11:50 2020
Response via : Initial Calibration





#1

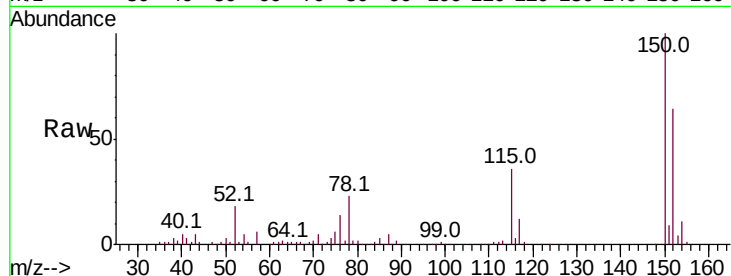
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.90 min Scan# 819
Delta R.T. -0.00 min
Lab File: BG044428.D
Acq: 13 Feb 2020 21:56

Instrument :
BNA_G
ClientSampled :
AOC-3-SP-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	122.6	183.8
115	56.1	46.0	69.0

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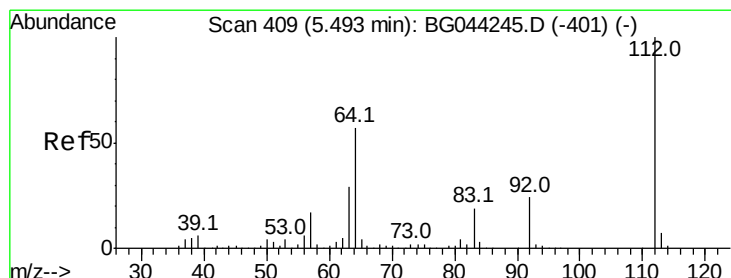
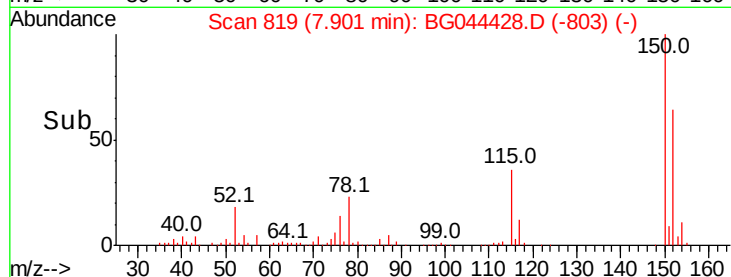
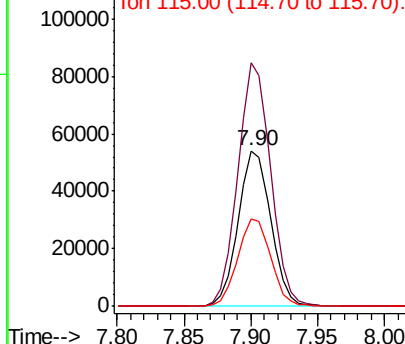


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

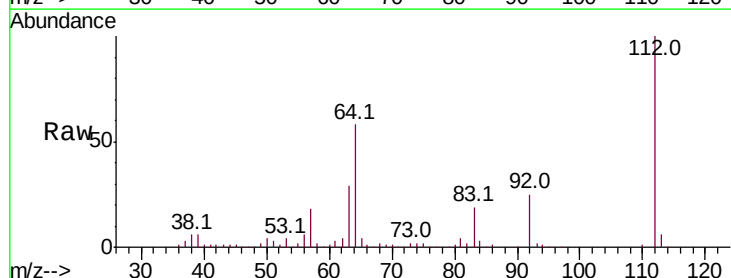
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.915 ng
RT: 5.48 min Scan# 407
Delta R.T. 0.00 min
Lab File: BG044428.D
Acq: 13 Feb 2020 21:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.4	68.2
63	28.7	22.9	34.3

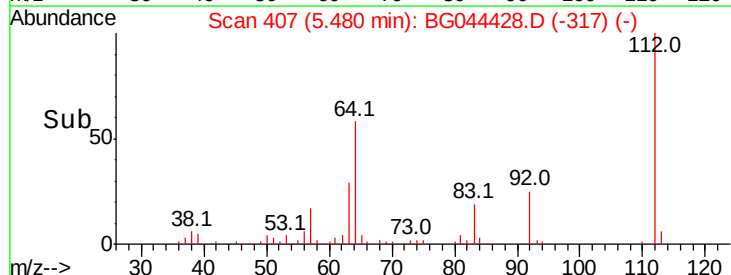
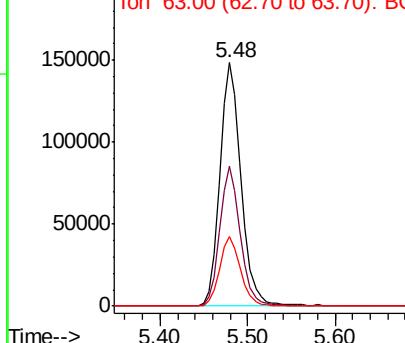


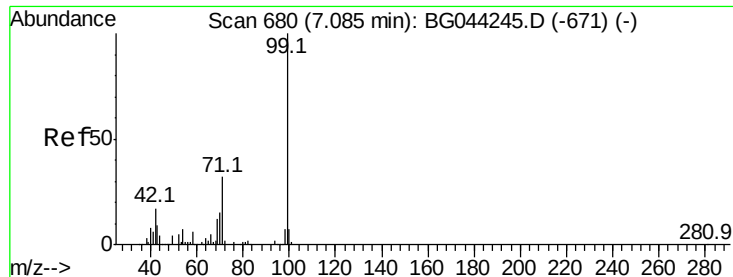
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 49.302 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG044428.D

Acq: 13 Feb 2020 21:56

Instrument :

BNA_G

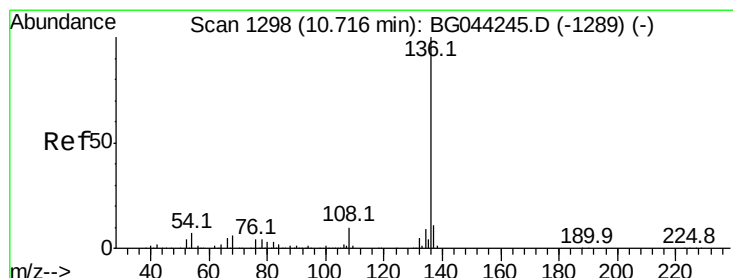
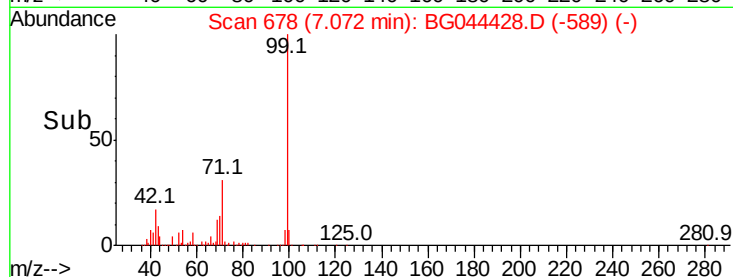
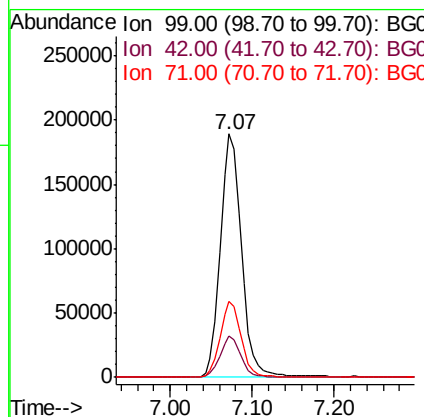
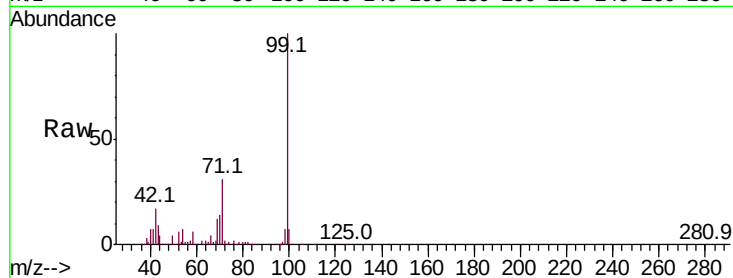
ClientSampled :

AOC-3-SP-C

Tot Ion	99	Resp	343788
Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.8	20.6
71	31.0	25.5	38.3

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#21

Naphthalene-d8

Concen: 20.000 ng

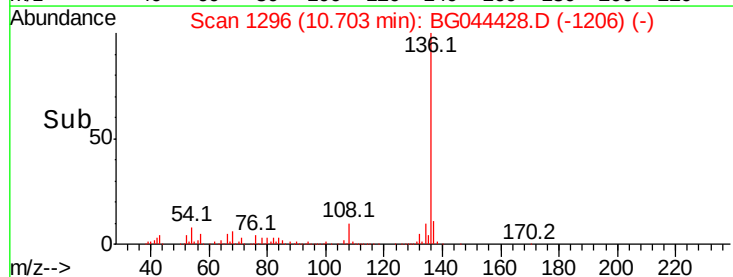
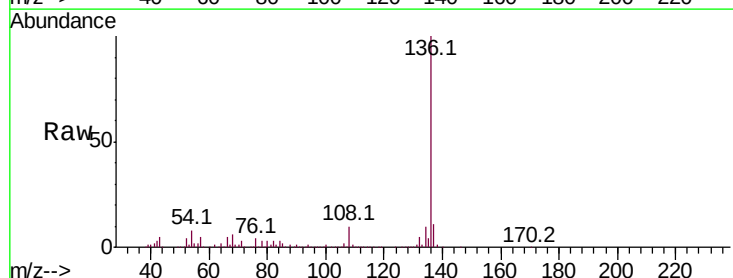
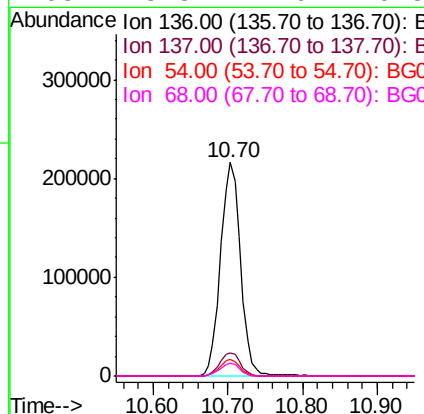
RT: 10.70 min Scan# 1296

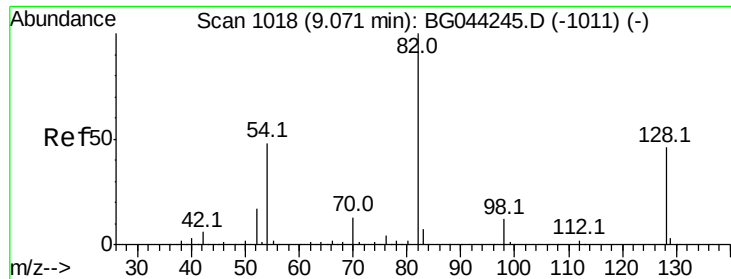
Delta R.T. 0.00 min

Lab File: BG044428.D

Acq: 13 Feb 2020 21:56

Tgt Ion	136	Resp	403864
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.9	5.8	8.8
68	5.8	4.6	6.8





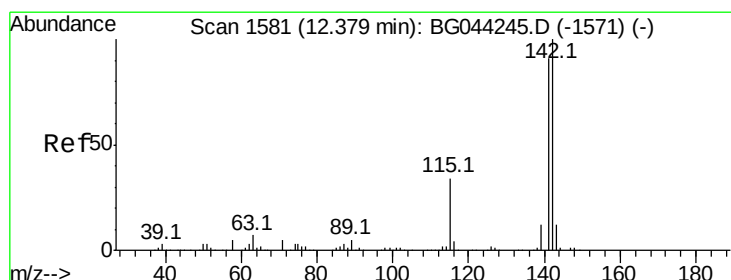
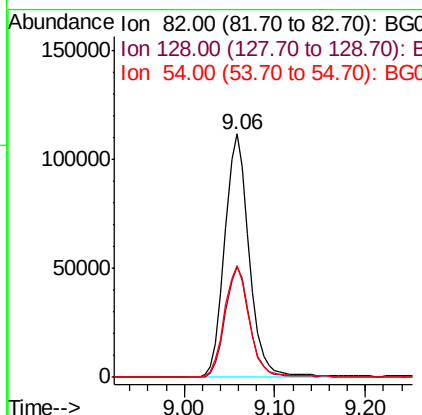
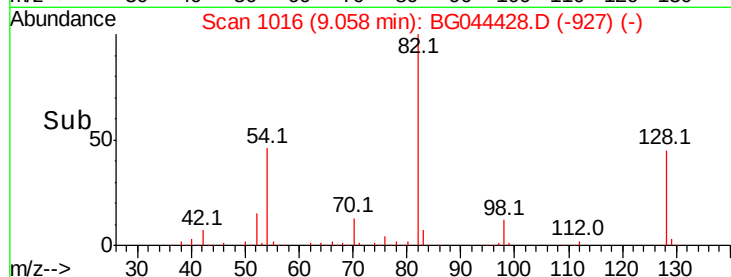
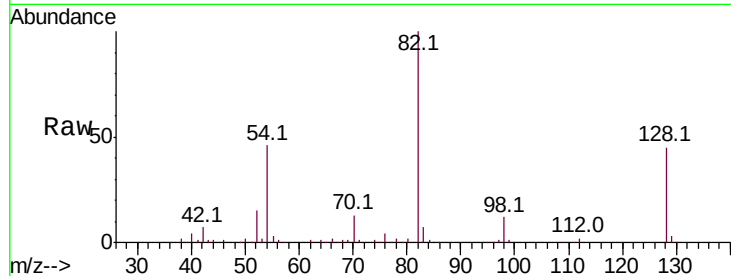
#23
 Nitrobenzene-d5
 Concen: 29.373 ng
 RT: 9.06 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: BG044428.D
 Acq: 13 Feb 2020 21:56

Instrument :
 BNA_G
 ClientSampled :
 AOC-3-SP-C

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.2	36.5	54.7	
54	45.8	38.6	58.0	

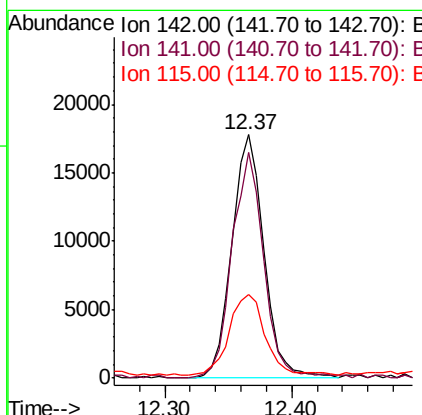
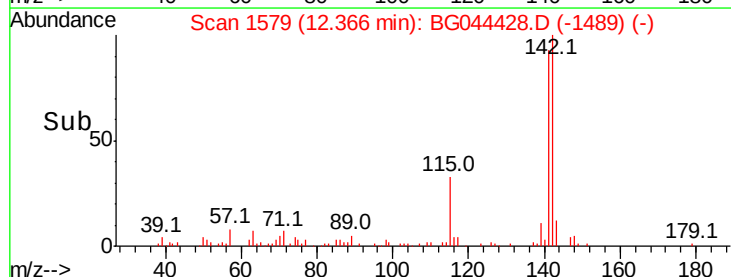
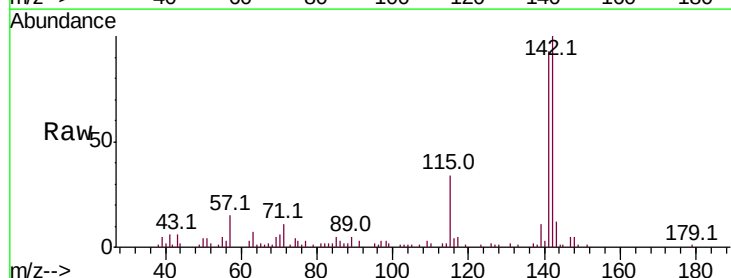
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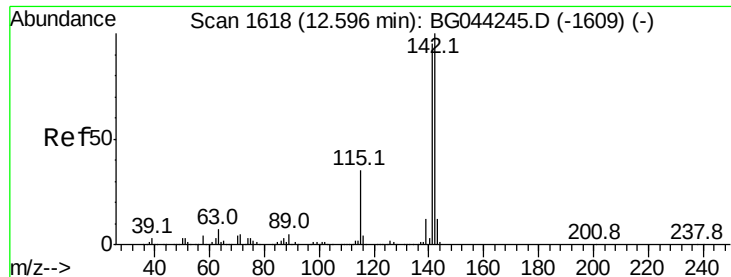
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#37
 2-Methylnaphthalene
 Concen: 2.135 ng
 RT: 12.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BG044428.D
 Acq: 13 Feb 2020 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	92.9	73.2	109.8	
115	34.1	27.1	40.7	





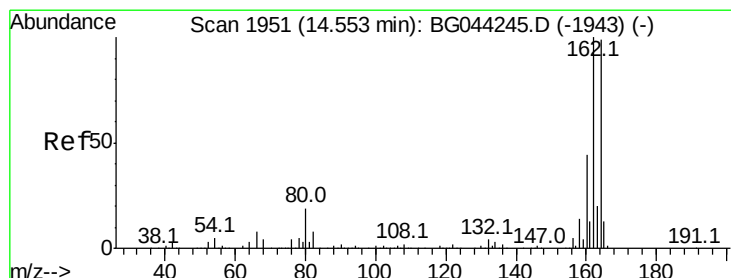
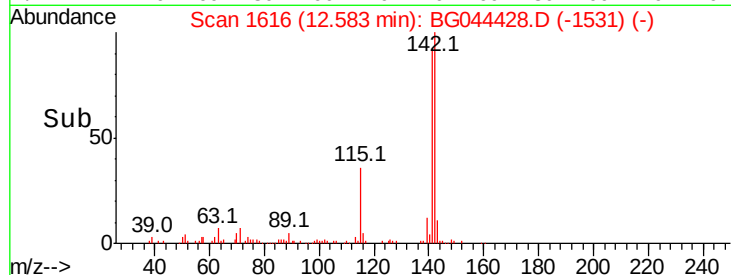
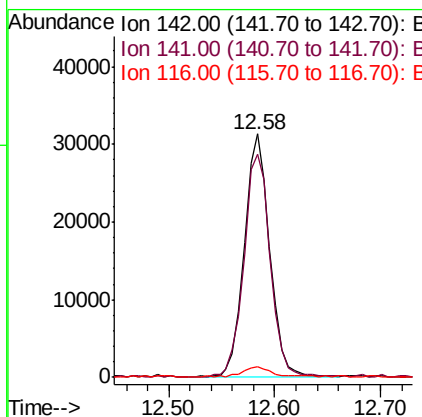
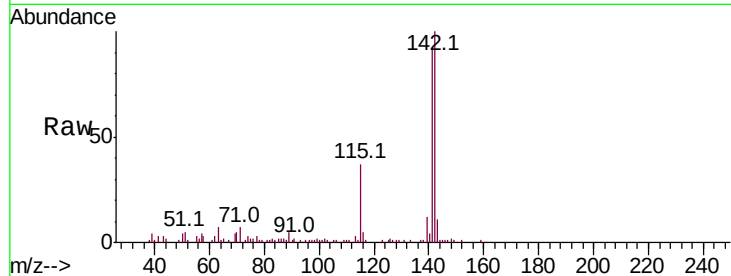
#38
1-Methylnaphthalene
Concen: 3.806 ng
RT: 12.58 min Scan# 1616
Delta R.T. 0.00 min
Lab File: BG044428.D
Acq: 13 Feb 2020 21:56

Instrument :
BNA_G
ClientSampleId :
AOC-3-SP-C

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.8	75.8	113.6
116	4.5	3.1	4.7

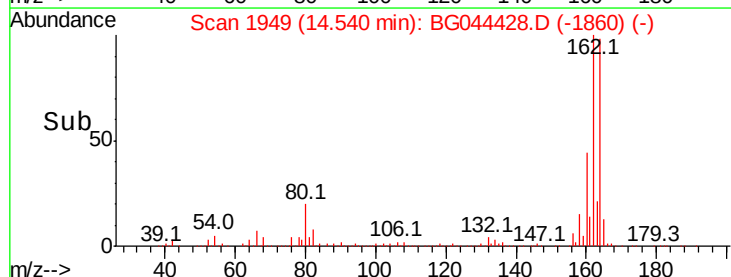
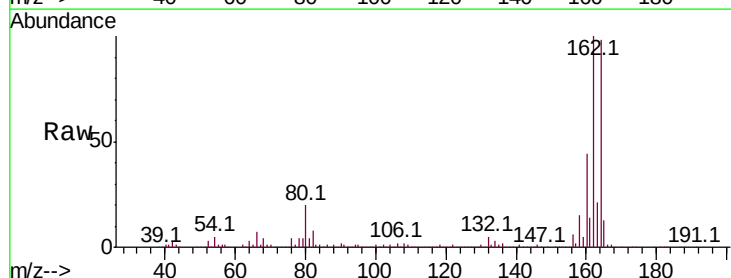
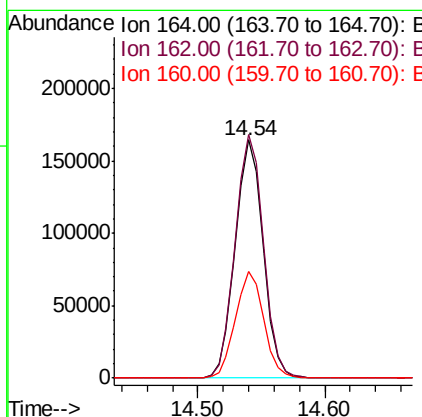
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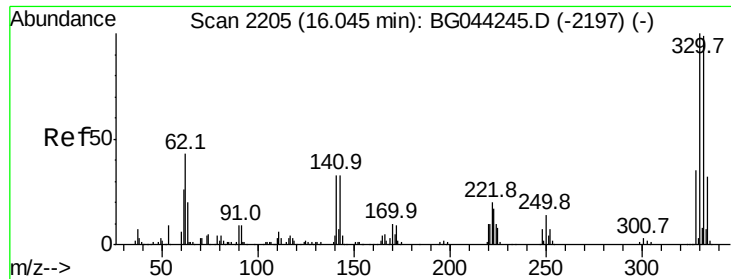
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.54 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG044428.D
Acq: 13 Feb 2020 21:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.7	121.1
160	45.1	35.3	52.9





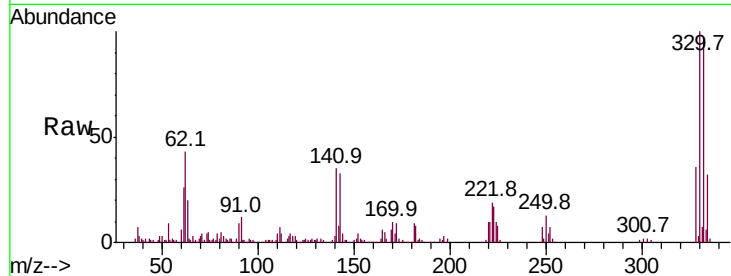
#42
 2,4,6-Tribromophenol
 Concen: 41.364 ng
 RT: 16.03 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: BG044428.D
 Acq: 13 Feb 2020 21:56

Instrument :
 BNA_G
 ClientSampleId :
 AOC-3-SP-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100	121846		
332	95.7	77.2	115.8	
141	35.8	28.3	42.5	

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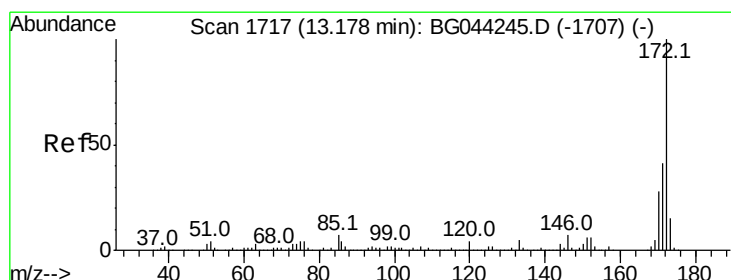
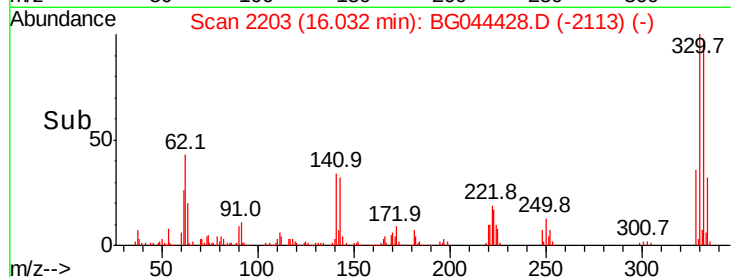
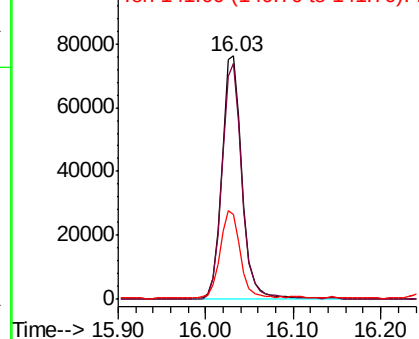


Abundance

Ion 329.80 (329.50 to 330.50): E

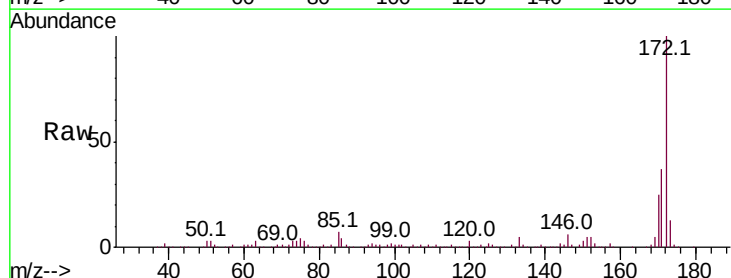
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 28.804 ng
 RT: 13.16 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: BG044428.D
 Acq: 13 Feb 2020 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	431615		
171	37.2	32.9	49.3	
170	24.9	22.0	33.0	

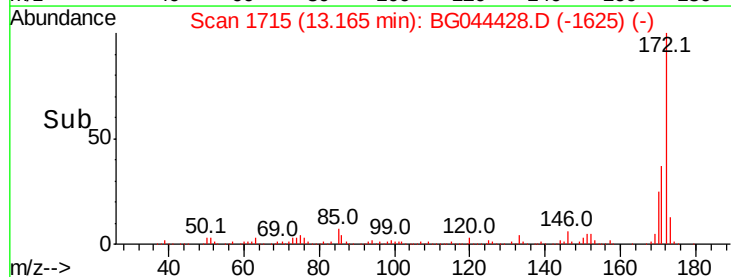
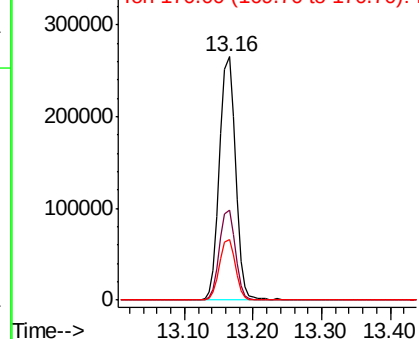


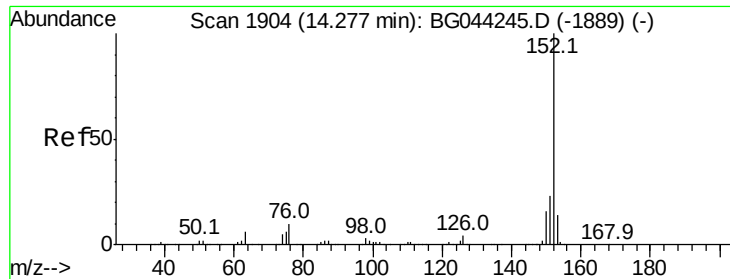
Abundance

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





#49

Acenaphthylene

Concen: 2.534 ng

RT: 14.26 min Scan# 1902

Delta R.T. 0.00 min

Lab File: BG044428.D

Acq: 13 Feb 2020 21:56

Instrument :

BNA_G

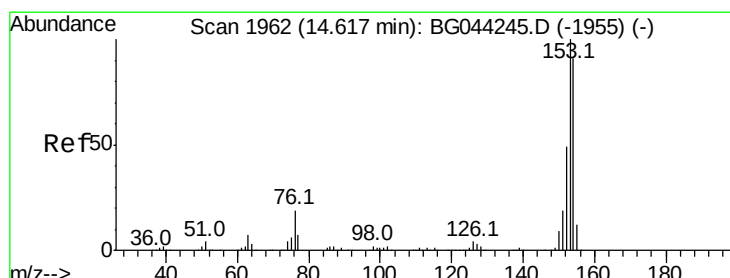
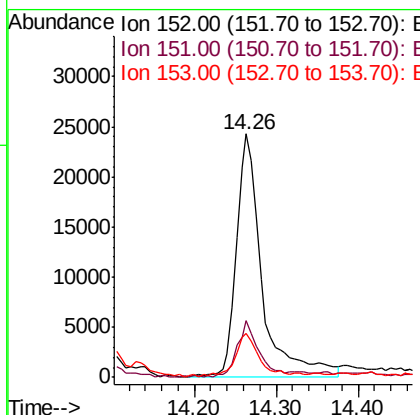
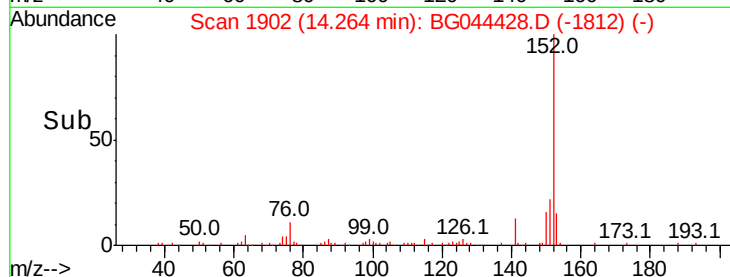
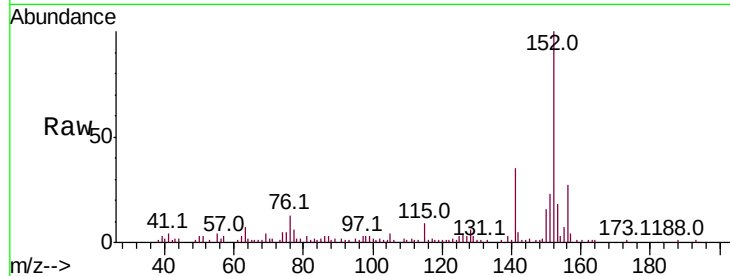
ClientSampleId :

AOC-3-SP-C

Tot Ion	Ratio	Lower	Upper
152	100		
151	23.3	18.1	27.1
153	18.2	11.5	17.3

Manual Integrations
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#52

Acenaphthene

Concen: 6.977 ng

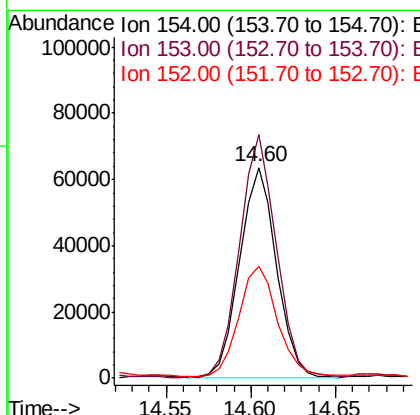
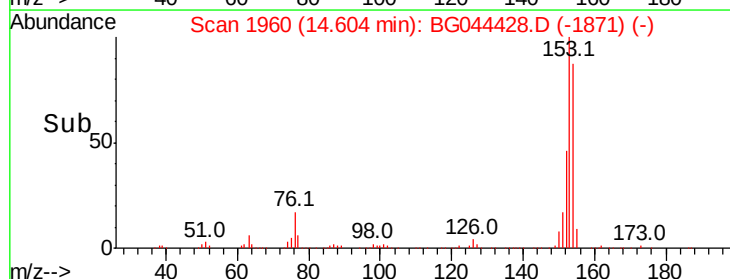
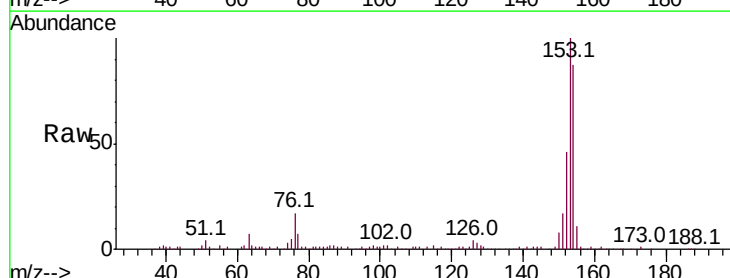
RT: 14.60 min Scan# 1960

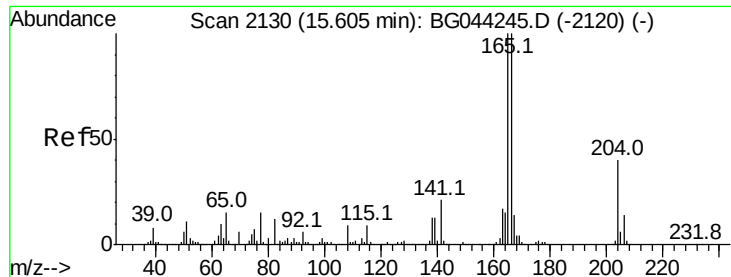
Delta R.T. -0.00 min

Lab File: BG044428.D

Acq: 13 Feb 2020 21:56

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.5	87.9	131.9
152	53.3	43.1	64.7





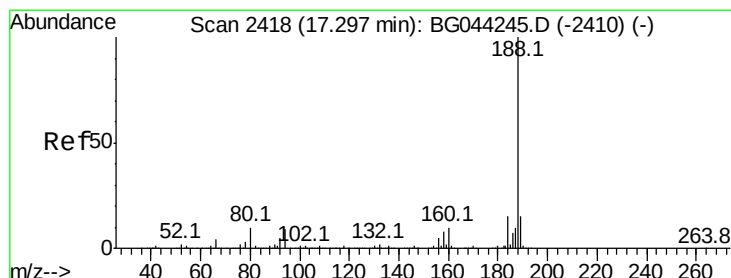
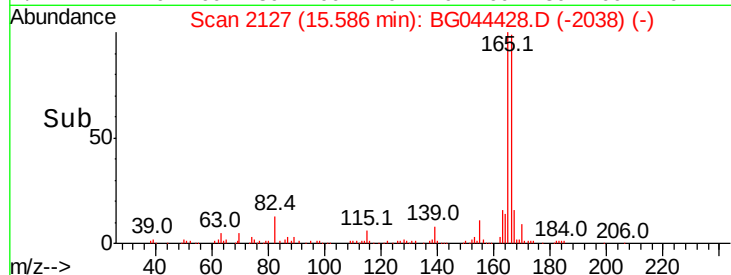
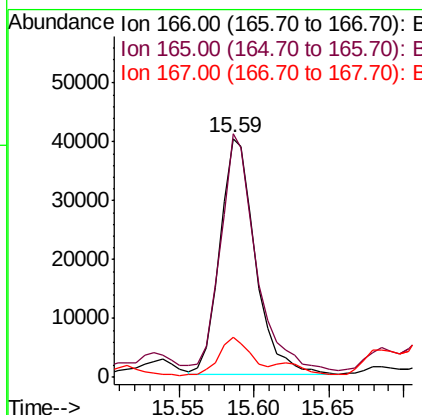
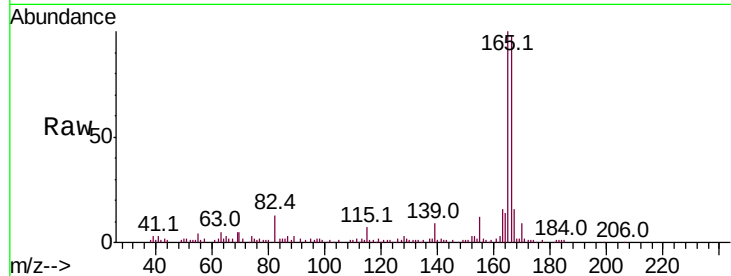
#58
 Fluorene
 Concen: 4.040 ng
 RT: 15.59 min Scan# 2127
 Delta R.T. -0.00 min
 Lab File: BG044428.D
 Acq: 13 Feb 2020 21:56

Instrument :
 BNA_G
 ClientSampled :
 AOC-3-SP-C

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.8	79.9	119.9
167	16.6	11.4	17.0

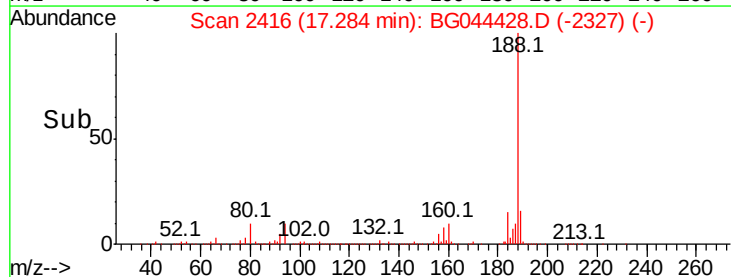
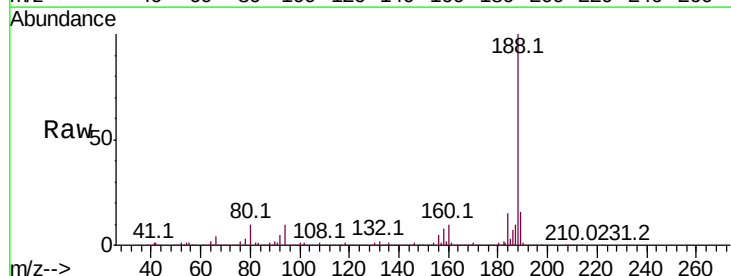
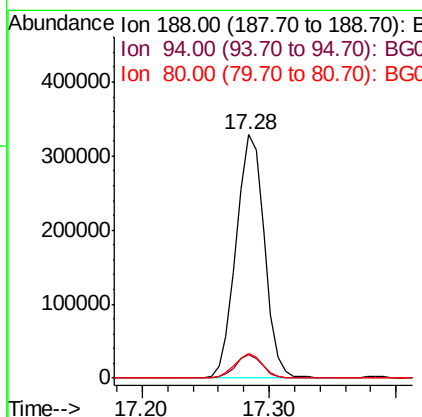
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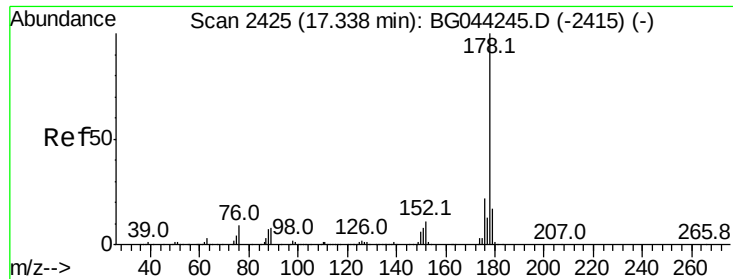
mohammad
 2/17/2020 3:45:32 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.28 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG044428.D
 Acq: 13 Feb 2020 21:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.4	11.2
80	10.1	7.7	11.5





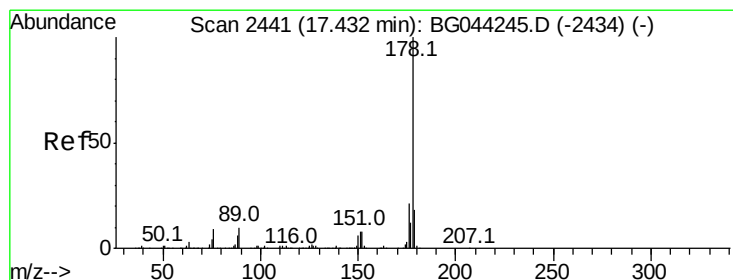
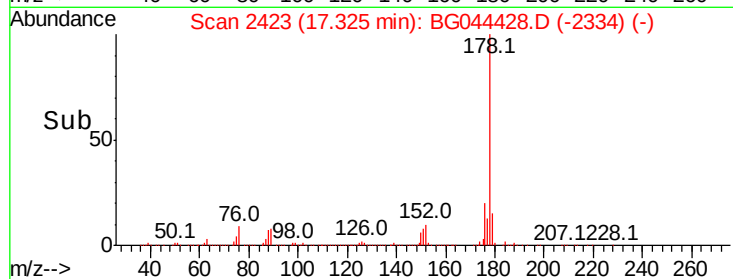
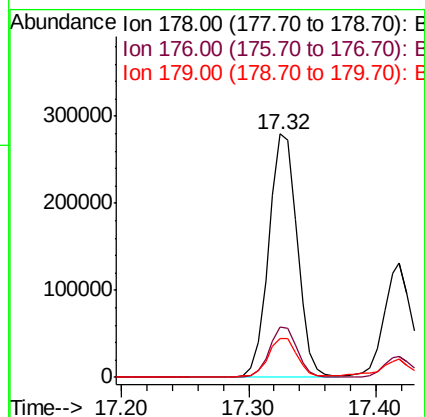
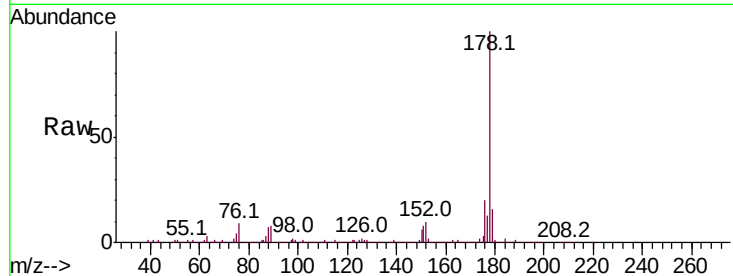
#71
Phenanthrene
Concen: 17.726 ng
RT: 17.32 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BG044428.D
Acq: 13 Feb 2020 21:56

Instrument :
BNA_G
ClientSampleId :
AOC-3-SP-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	17.7	26.5
179	16.0	13.7	20.5

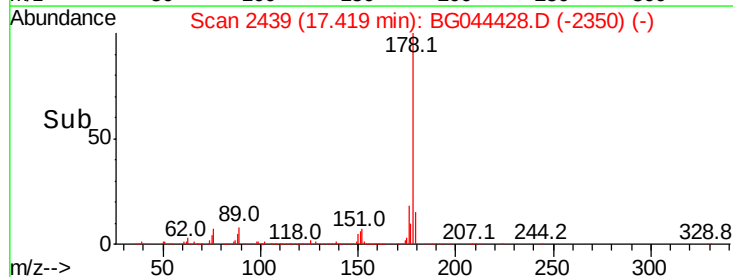
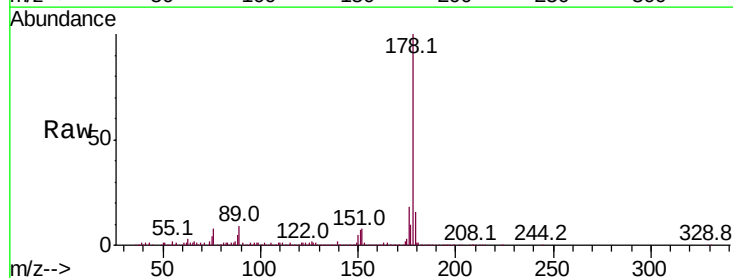
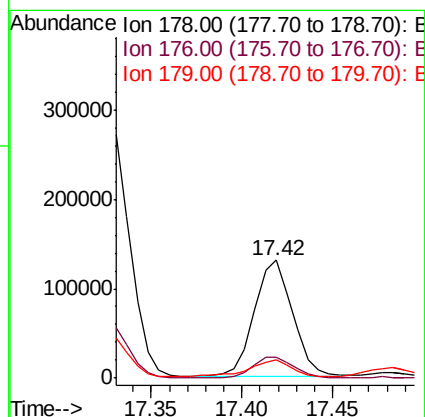
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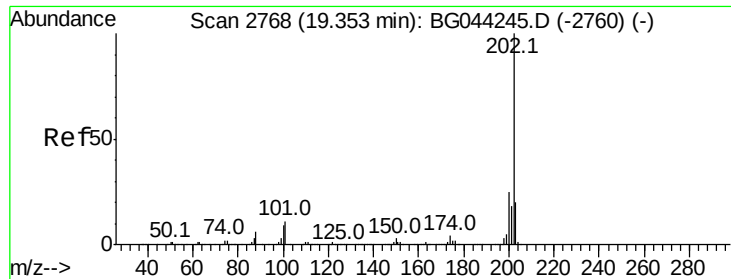
mohammad
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#72
Anthracene
Concen: 7.807 ng
RT: 17.42 min Scan# 2439
Delta R.T. -0.00 min
Lab File: BG044428.D
Acq: 13 Feb 2020 21:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	17.0	25.4
179	15.7	14.4	21.6





#75

Fluoranthene

Concen: 22.327 ng

RT: 19.34 min Scan# 2766

Delta R.T. 0.00 min

Lab File: BG044428.D

Acq: 13 Feb 2020 21:56

Instrument :

BNA_G

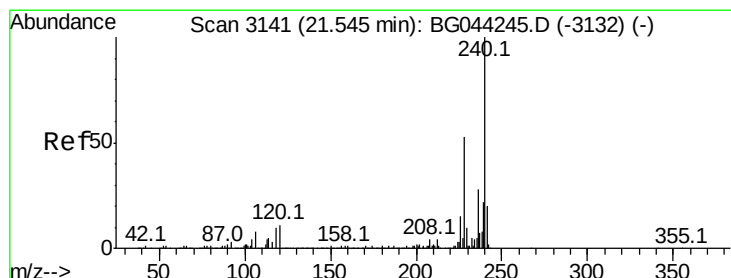
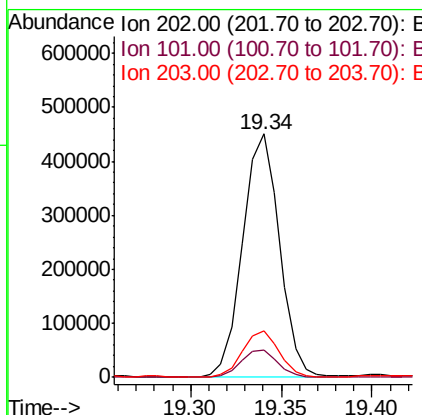
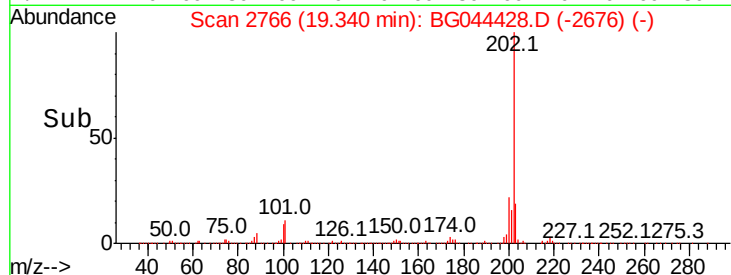
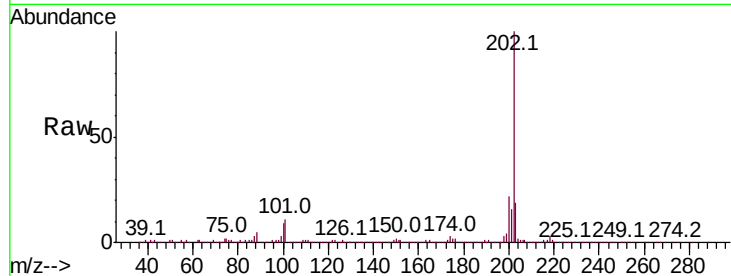
ClientSampleId :

AOC-3-SP-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.4	0.0	31.3
203	18.9	0.0	39.9

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#76

Chrysene-d12

Concen: 20.000 ng

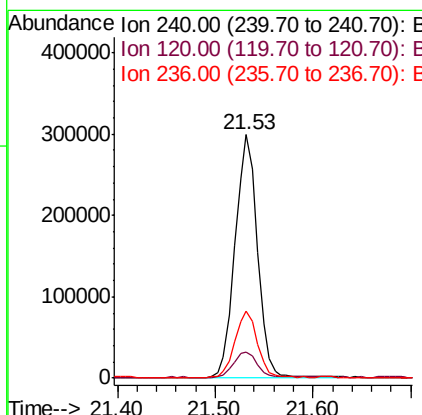
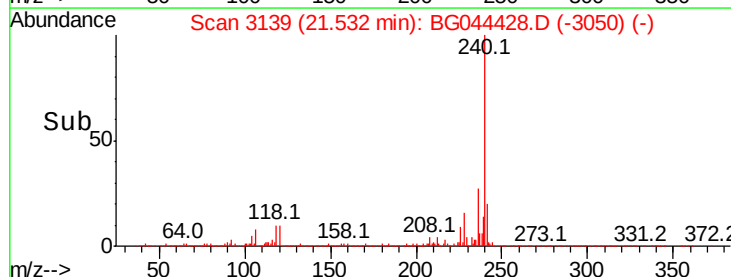
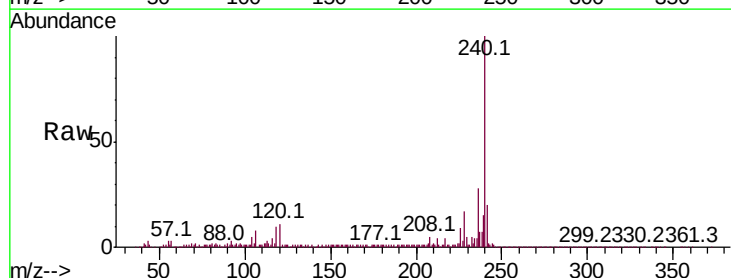
RT: 21.53 min Scan# 3139

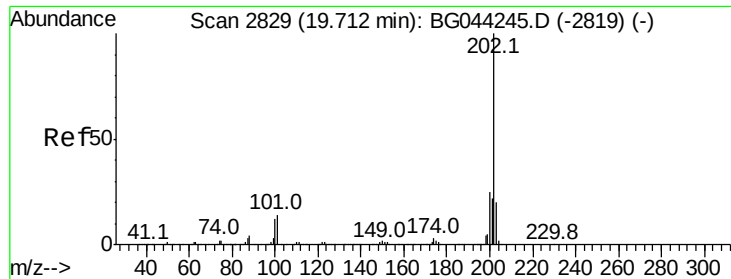
Delta R.T. -0.00 min

Lab File: BG044428.D

Acq: 13 Feb 2020 21:56

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	8.4	12.6
236	27.5	22.1	33.1





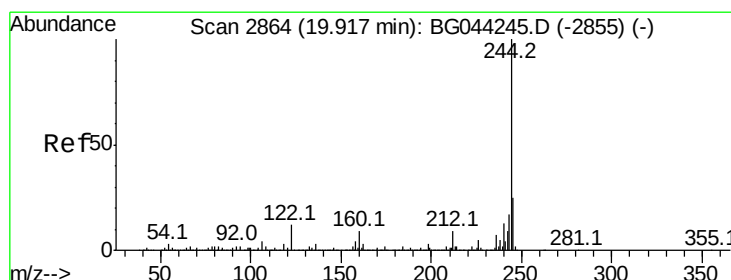
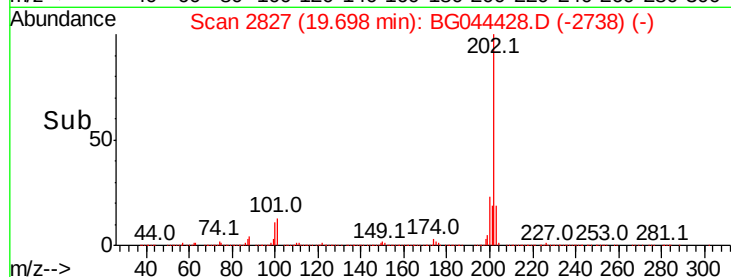
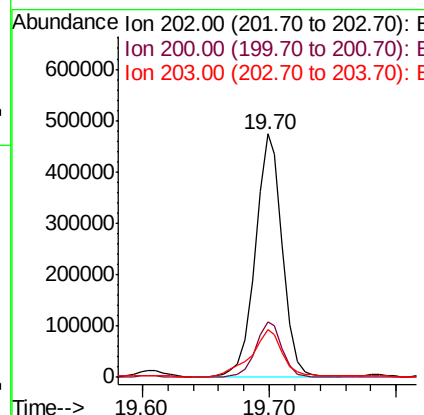
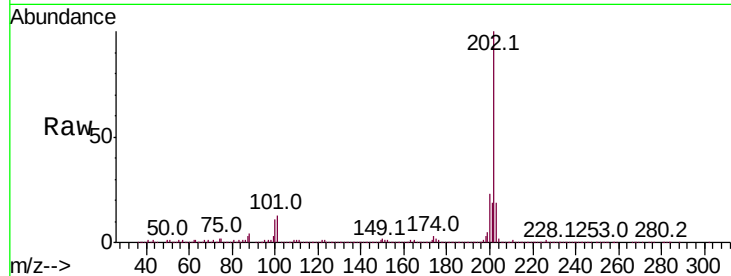
#78
Pvrene
Concen: 22.880 ng
RT: 19.70 min Scan# 2827
Delta R.T. -0.00 min
Lab File: BG044428.D
Acq: 13 Feb 2020 21:56

Instrument :
BNA_G
ClientSampleId :
AOC-3-SP-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.6	20.0	30.0
203	19.4	16.2	24.2

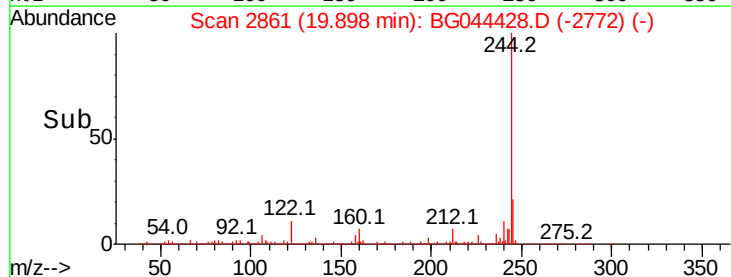
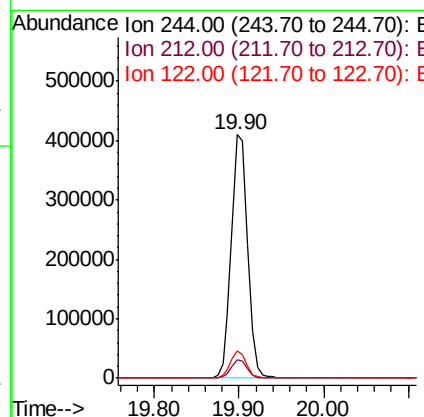
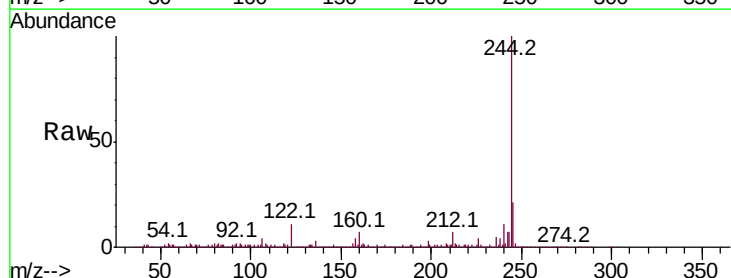
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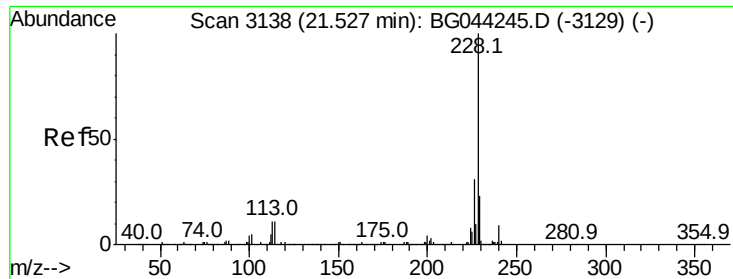
mohammad
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#79
Terphenyl-d14
Concen: 23.716 ng
RT: 19.90 min Scan# 2861
Delta R.T. -0.00 min
Lab File: BG044428.D
Acq: 13 Feb 2020 21:56

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	7.4	11.2#
122	11.2	9.8	14.6





#81

Benzo(a)anthracene

Concen: 10.896 ng

RT: 21.51 min Scan# 3136

Delta R.T. 0.00 min

Lab File: BG044428.D

Acq: 13 Feb 2020 21:56

Instrument :

BNA_G

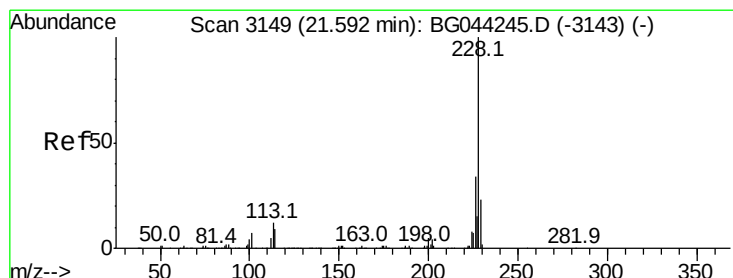
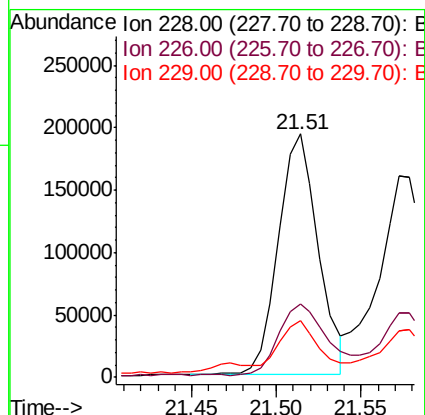
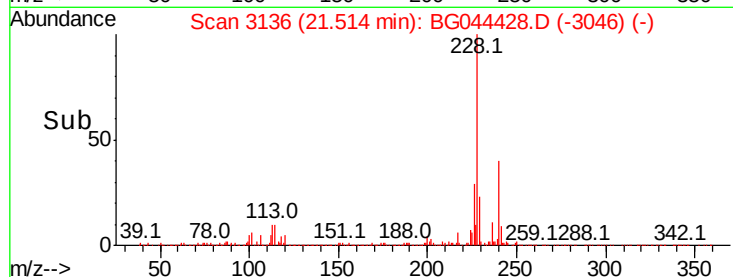
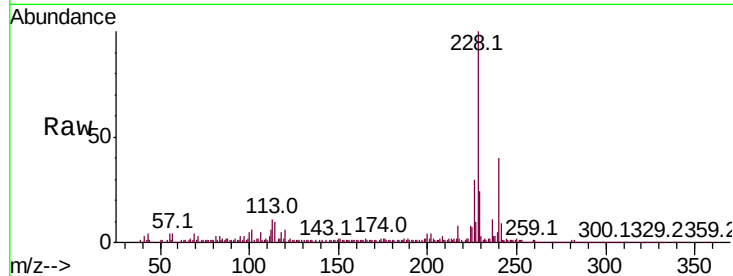
ClientSampled :

AOC-3-SP-C

Tot Ion:	228	Resp:	317318
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.7	37.1
229	23.5	18.2	27.4

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#83

Chrysene

Concen: 10.513 ng

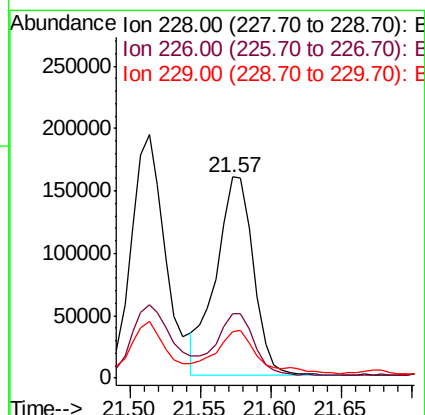
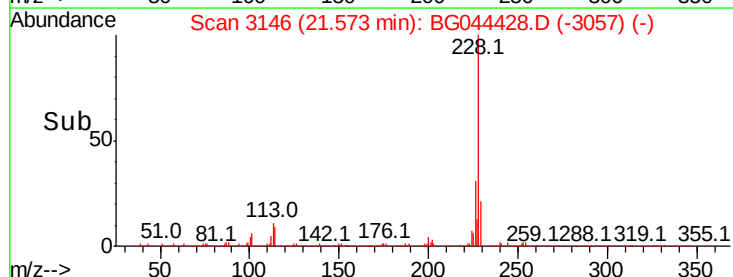
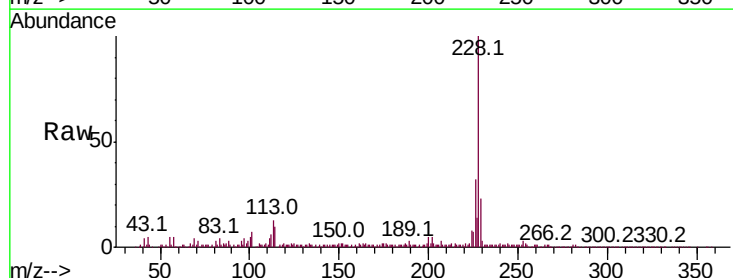
RT: 21.57 min Scan# 3146

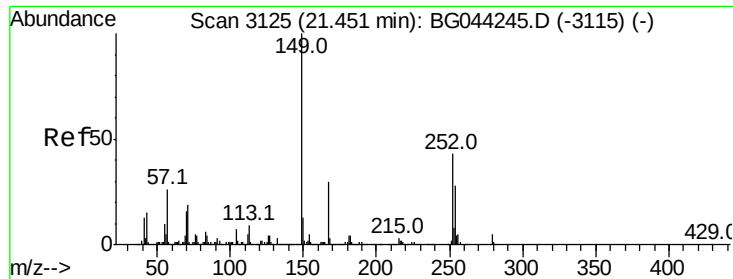
Delta R.T. -0.00 min

Lab File: BG044428.D

Acq: 13 Feb 2020 21:56

Tgt Ion:	228	Resp:	295914
Ion Ratio	Lower	Upper	
228	100		
226	32.0	27.1	40.7
229	23.4	17.9	26.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.260 ng

RT: 21.44 min Scan# 3123

Delta R.T. 0.00 min

Lab File: BG044428.D

Acq: 13 Feb 2020 21:56

Instrument :

BNA_G

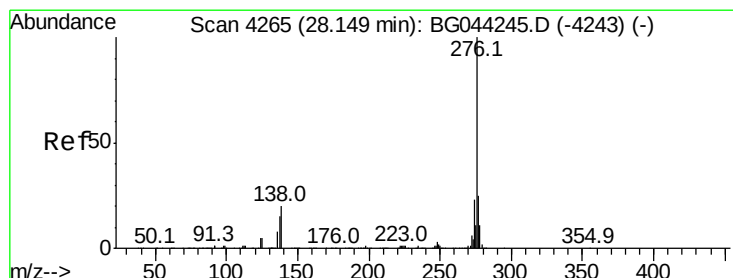
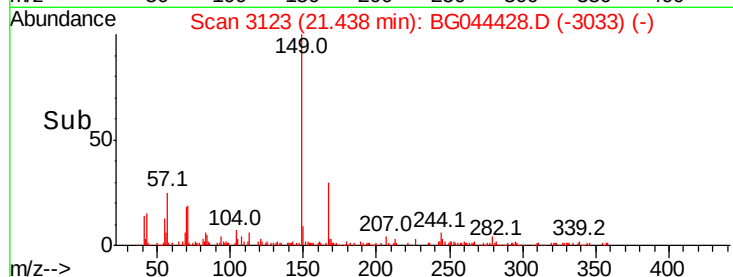
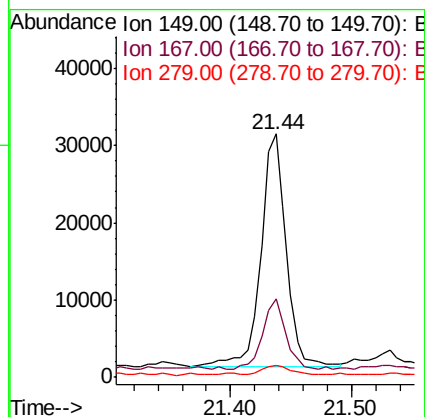
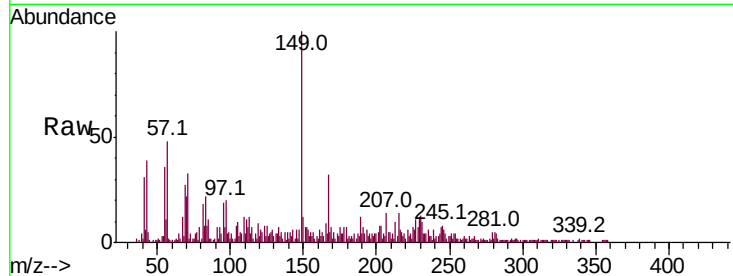
ClientSampleId :

AOC-3-SP-C

Tot Ion:	149	Resp:	43025
Ion Ratio	Lower	Upper	
149	100		
167	32.0	24.0	36.0
279	5.0	3.8	5.8

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#86

Indeno(1,2,3-cd)pyrene

Concen: 3.642 ng

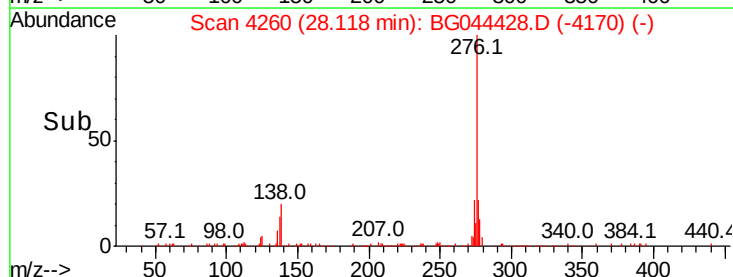
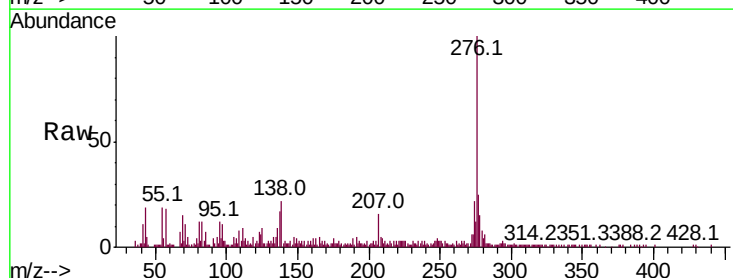
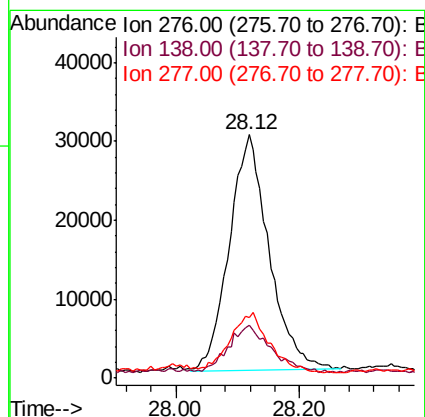
RT: 28.12 min Scan# 4260

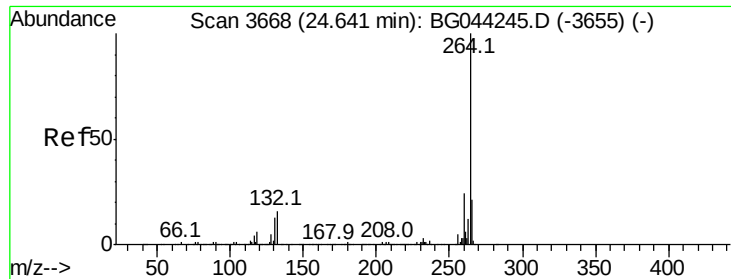
Delta R.T. 0.00 min

Lab File: BG044428.D

Acq: 13 Feb 2020 21:56

Tgt Ion:	276	Resp:	133739
Ion Ratio	Lower	Upper	
276	100		
138	20.3	19.4	29.0
277	25.8	21.0	31.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.62 min Scan# 3665

Delta R.T. 0.00 min

Lab File: BG044428.D

Acq: 13 Feb 2020 21:56

Instrument :

BNA_G

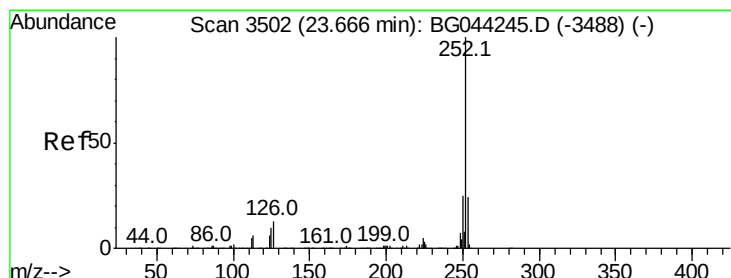
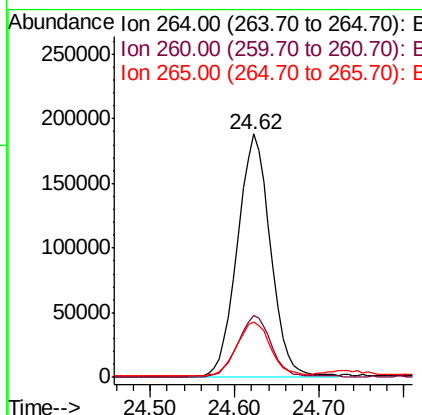
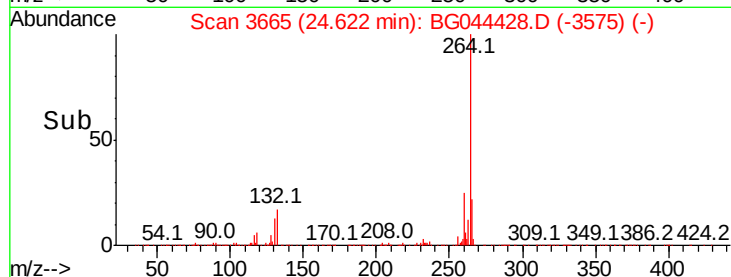
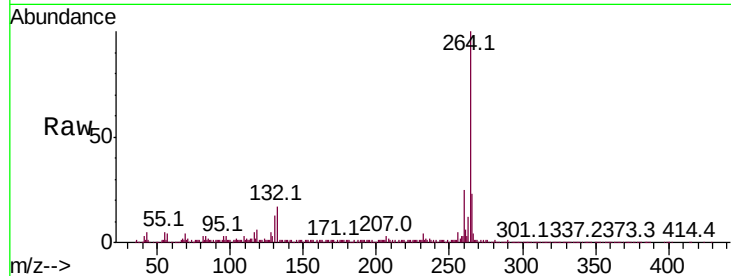
ClientSampleId :

AOC-3-SP-C

Tot Ion:	264	Resp:	506876
Ion Ratio	Lower	Upper	
264	100		
260	25.4	19.4	29.2
265	22.9	16.7	25.1

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#88

Benzo(b)fluoranthene

Concen: 10.058 ng

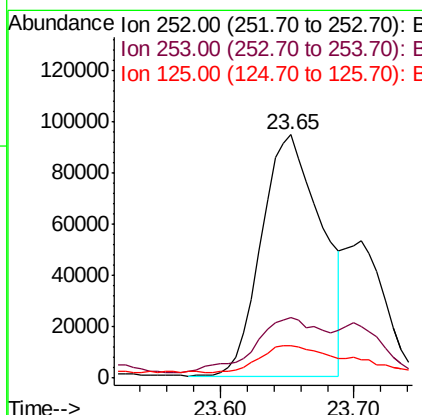
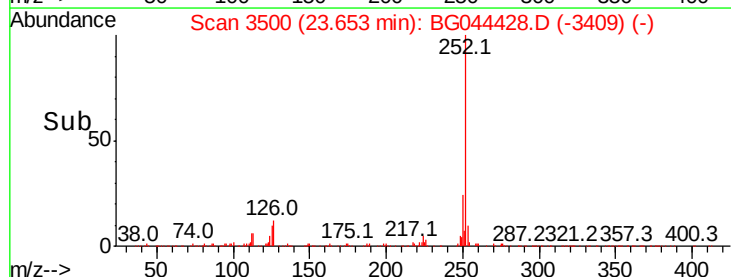
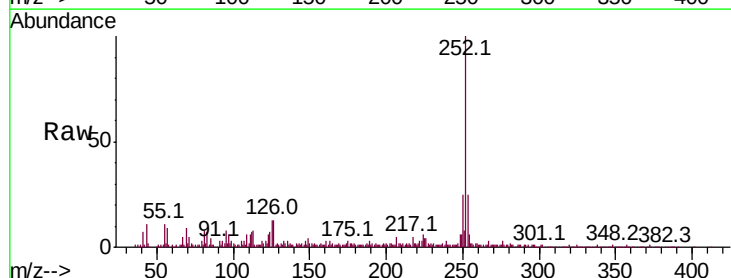
RT: 23.65 min Scan# 3500

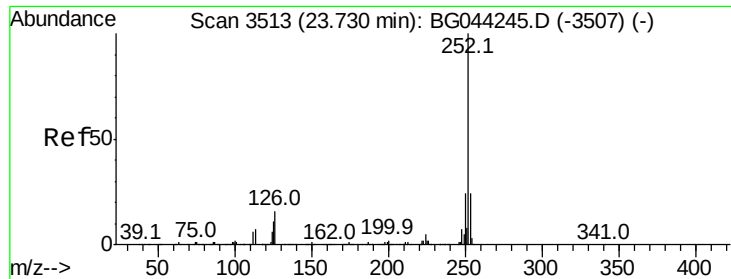
Delta R.T. 0.01 min

Lab File: BG044428.D

Acq: 13 Feb 2020 21:56

Tgt Ion:	252	Resp:	293766
Ion Ratio	Lower	Upper	
252	100		
253	25.0	19.2	28.8
125	13.1	8.4	12.6#





#89

Benzo(k)fluoranthene

Concen: 3.751 ng m

RT: 23.71 min Scan# 3509

Delta R.T. -0.00 min

Lab File: BG044428.D

Acq: 13 Feb 2020 21:56

Instrument :

BNA_G

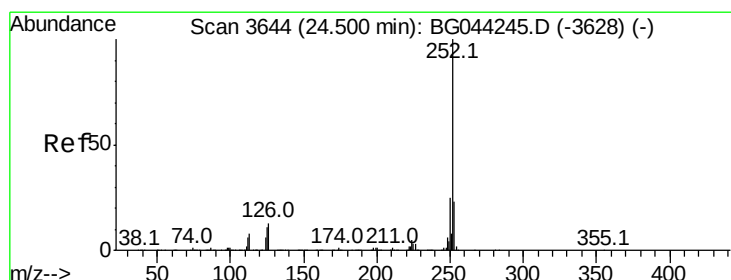
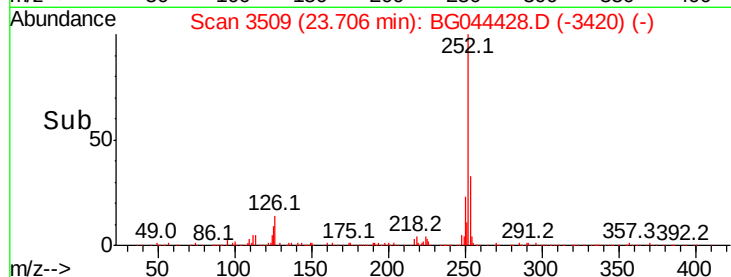
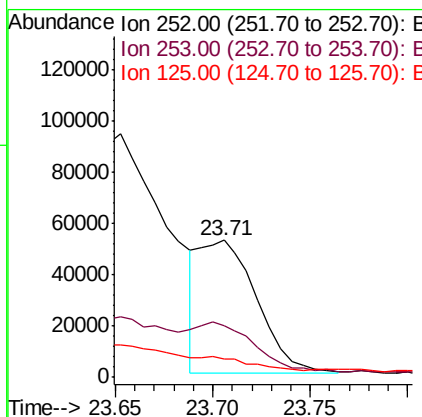
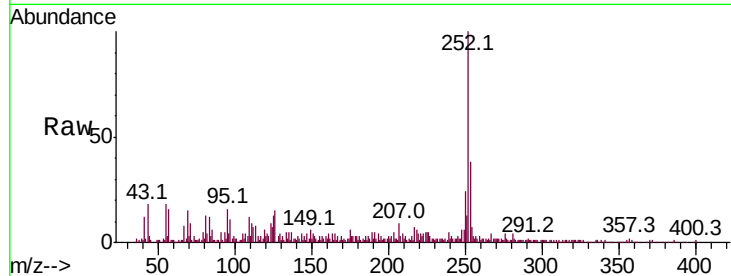
ClientSampleId :

AOC-3-SP-C

Tot Ion:	252	Resp:	106766
Ion Ratio	Lower	Upper	
252	100		
253	37.7	19.1	28.7#
125	13.3	8.6	12.8#

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#90

Benzo(a)pyrene

Concen: 9.392 ng

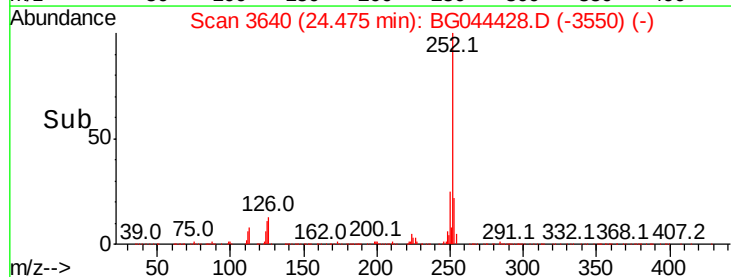
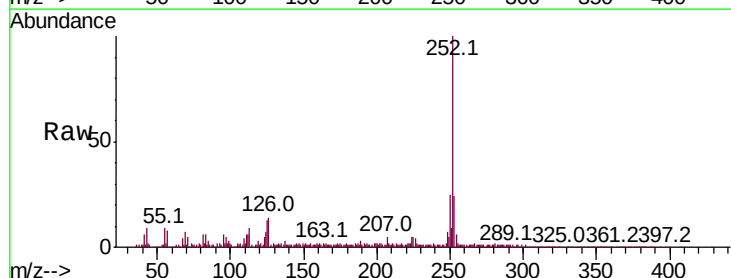
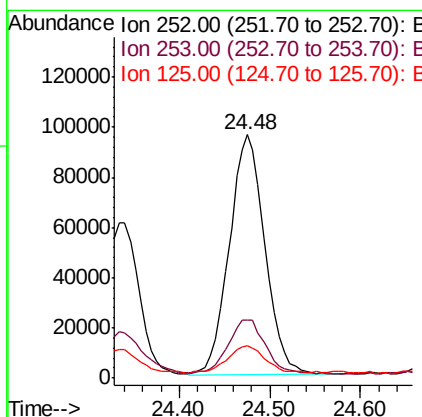
RT: 24.48 min Scan# 3640

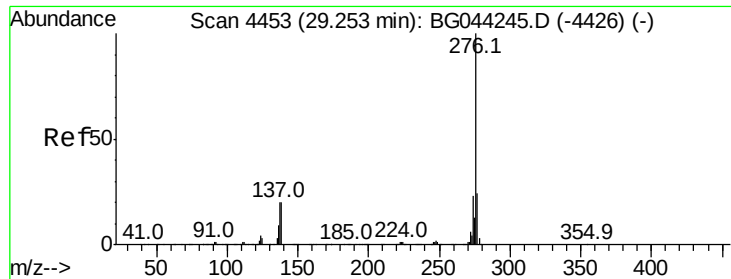
Delta R.T. 0.00 min

Lab File: BG044428.D

Acq: 13 Feb 2020 21:56

Tgt Ion:	252	Resp:	259359
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.1	27.1
125	13.2	8.6	13.0#





#92
 Benzo(a,h,i)perylene
 Concen: 5.037 ng
 RT: 29.20 min Scan# 4445
 Delta R.T. 0.00 min
 Lab File: BG044428.D
 Acq: 13 Feb 2020 21:56

Instrument :
 BNA_G
 ClientSampleId :
 AOC-3-SP-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.8	28.2
138	22.0	16.2	24.2

Manual Integrations
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