

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021420\
 Data File : BG044448.D
 Acq On : 14 Feb 2020 21:15
 Operator : CG/JU
 Sample : L1509-03DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

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Quant Time: Feb 17 00:27:36 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	7.89	152	77733	20.00	ng	-0.01
21) Naphthalene-d8	10.69	136	342236	20.00	ng	-0.01
39) Acenaphthene-d10	14.53	164	225336	20.00	ng	-0.01
64) Phenanthrene-d10	17.28	188	464846	20.00	ng	-0.01
76) Chrysene-d12	21.52	240	425102	20.00	ng	-0.02
87) Perylene-d12	24.60	264	465241	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	81557	18.52	ng	0.00
7) Phenol-d6	7.07	99	111159	18.79	ng	-0.01
23) Nitrobenzene-d5	9.05	82	65769	10.85	ng	-0.01
42) 2,4,6-Tribromophenol	16.02	330	43087	16.29	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	154784	11.50	ng	-0.01
79) Terphenyl-d14	19.89	244	217021	10.50	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	10.74	128	39093	2.354	ng	97
37) 2-Methylnaphthalene	12.35	142	34981	2.837	ng	100
38) 1-Methylnaphthalene	12.57	142	93246	8.023	ng	99
49) Acenaphthylene	14.25	152	79223	4.176	ng	96
52) Acenaphthene	14.59	154	102613	8.345	ng	97
58) Fluorene	15.58	166	105478	7.193	ng	99
71) Phenanthrene	17.32	178	521067	23.149	ng	98
72) Anthracene	17.41	178	189185	8.501	ng	96
75) Fluoranthene	19.33	202	570365	21.904	ng	99
78) Pyrene	19.69	202	748664	27.423	ng	96
80) Butylbenzylphthalate	20.59	149	688442	55.337	ng	98
81) Benzo(a)anthracene	21.50	228	336501	12.844	ng	98
83) Chrysene	21.57	228	311871	12.315	ng	97
84) Bis(2-ethylhexyl)phthalate	21.43	149	47474	2.772	ng	97
86) Indeno(1,2,3-cd)pyrene	28.08	276	122995	3.723	ng	96
88) Benzo(b)fluoranthene	23.64	252	273491	10.202	ng	97
89) Benzo(k)fluoranthene	23.69	252	101853m	3.898	ng	
90) Benzo(a)pyrene	24.46	252	252303	9.954	ng	98
92) Benzo(a,h,i)perylene	29.16	276	121647	4.844	ng	96

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

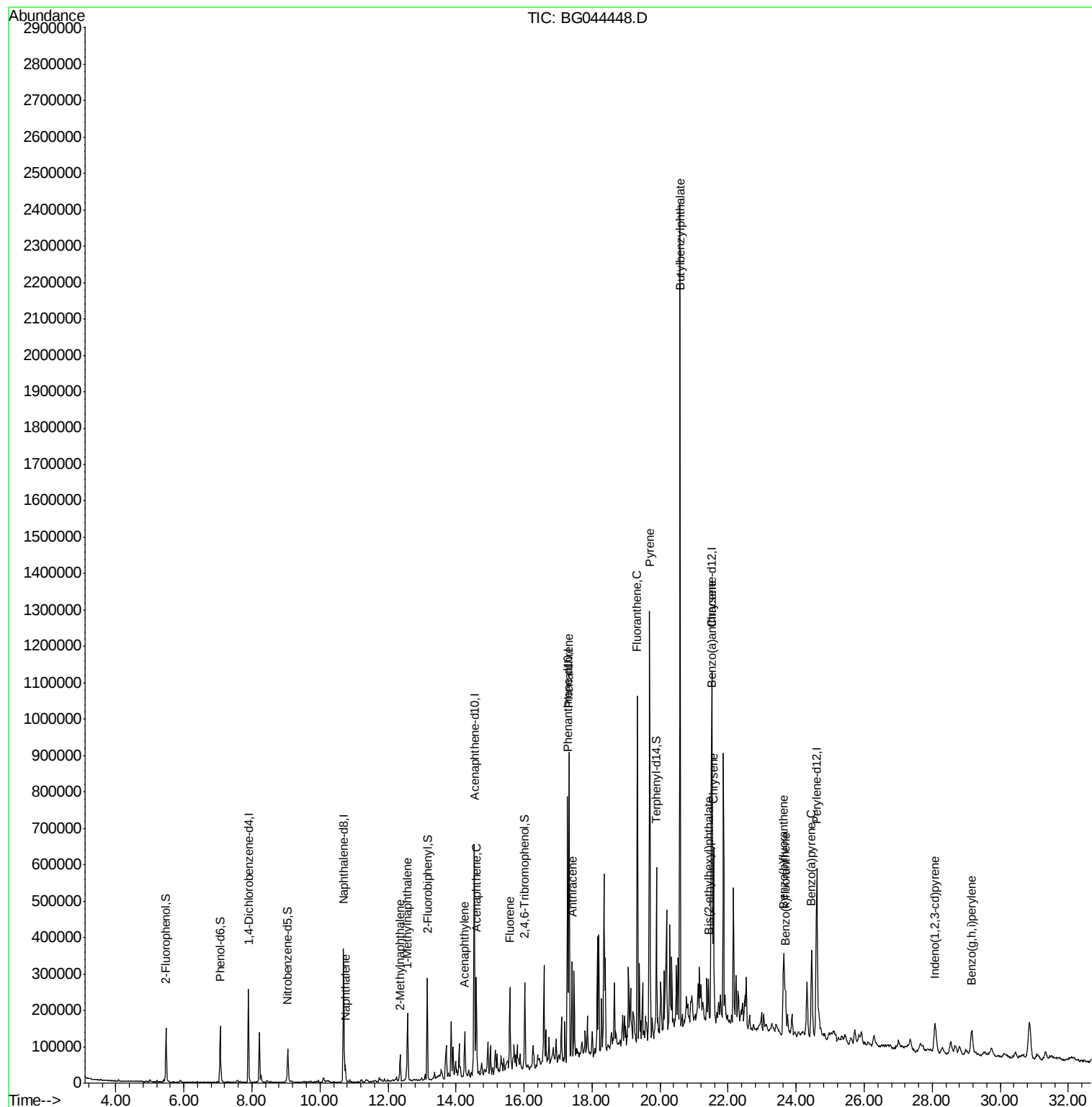
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021420\
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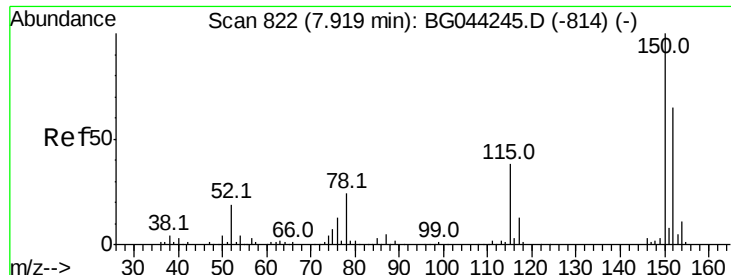
Instrument :
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AOC-3-SP-DDL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

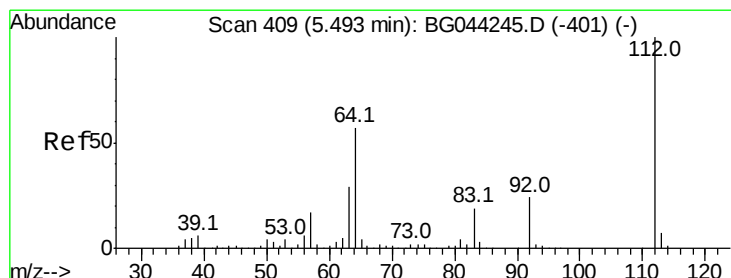
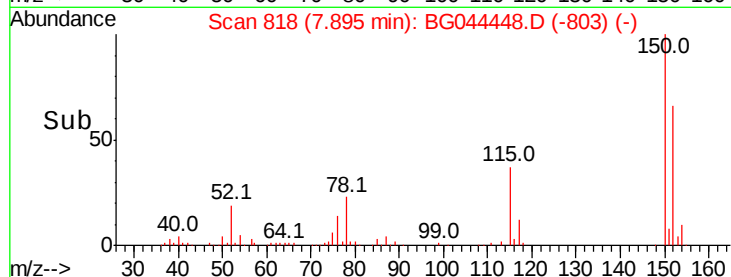
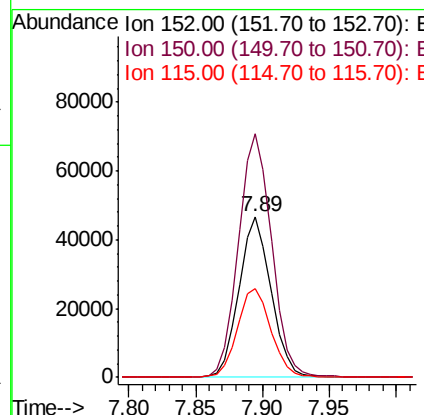
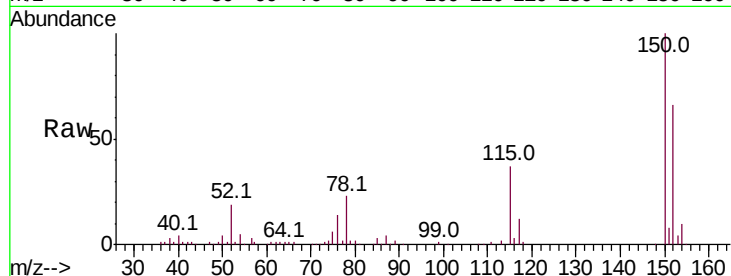
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.89 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG044448.D
Acq: 14 Feb 2020 21:15

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	122.6	183.8
115	55.3	46.0	69.0

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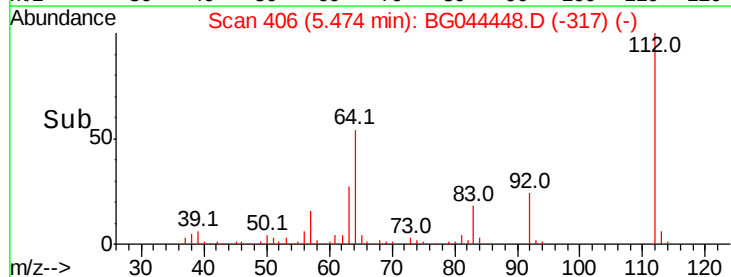
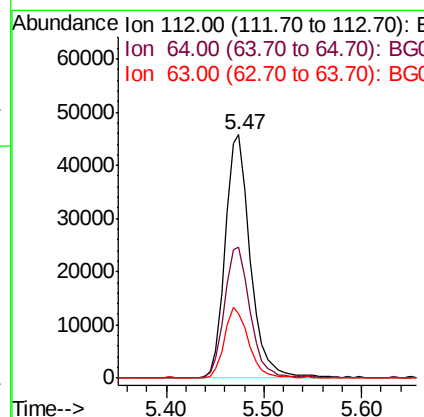
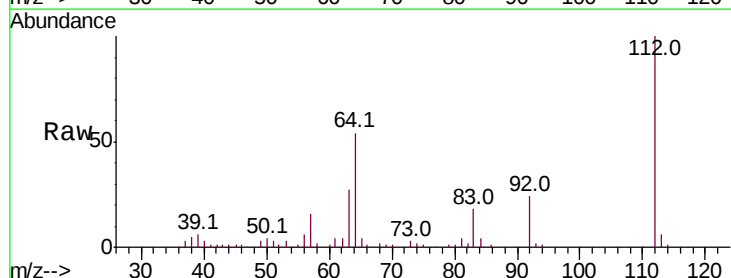
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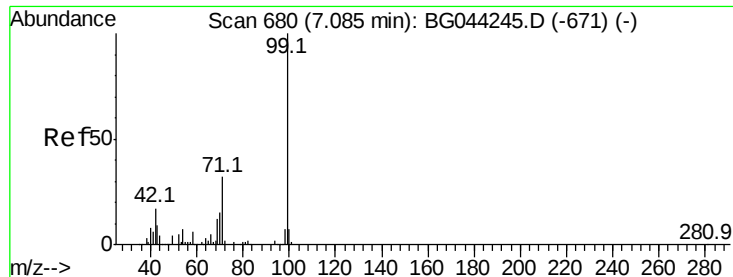


#5

2-Fluorophenol
Concen: 18.517 ng
RT: 5.47 min Scan# 406
Delta R.T. -0.00 min
Lab File: BG044448.D
Acq: 14 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	45.4	68.2
63	26.7	22.9	34.3





#7

Phenol-d6

Concen: 18.794 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG044448.D

Acq: 14 Feb 2020 21:15

Instrument :

BNA_G

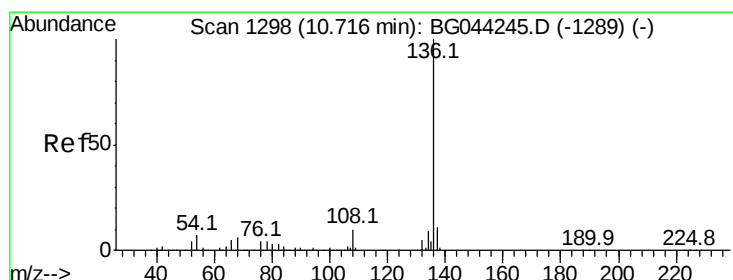
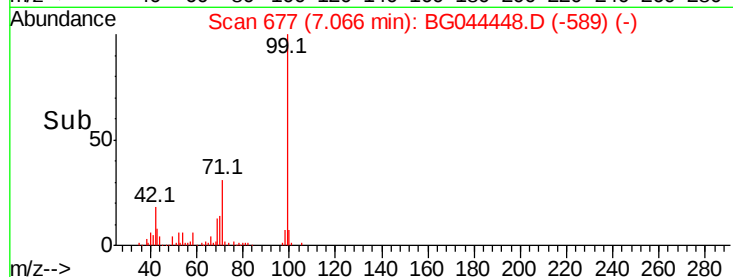
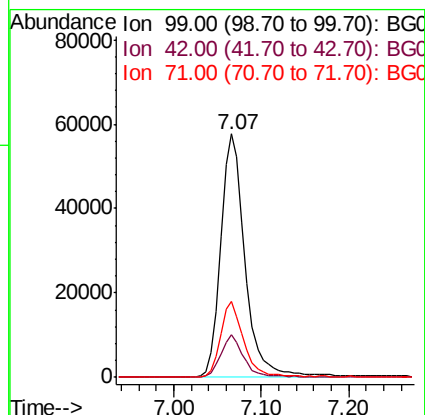
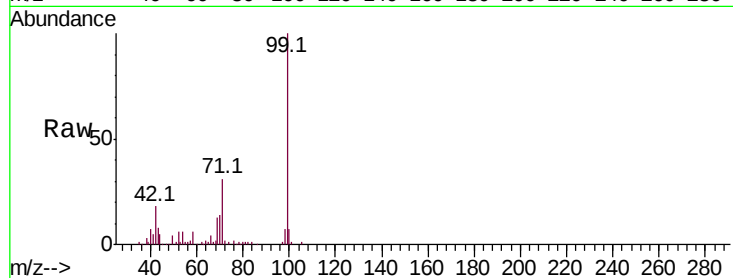
ClientSampleId :

AOC-3-SP-DDL

Tot Ion	Ratio	Resp	Lower	Upper
99	100	111159		
42	17.6	13.8	20.6	
71	31.1	25.5	38.3	

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#21

Naphthalene-d8

Concen: 20.000 ng

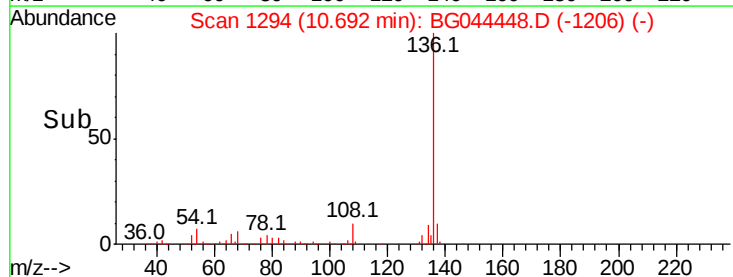
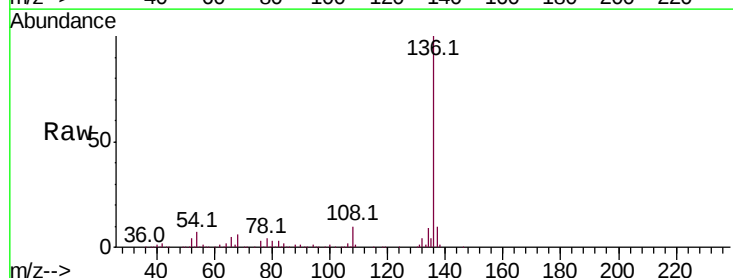
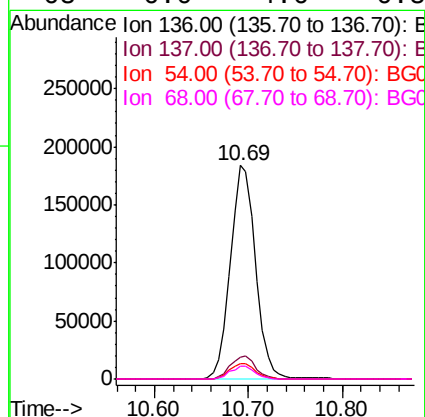
RT: 10.69 min Scan# 1294

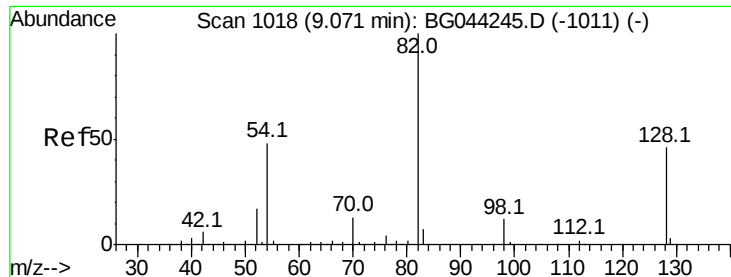
Delta R.T. -0.01 min

Lab File: BG044448.D

Acq: 14 Feb 2020 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	342236		
137	10.3	8.8	13.2	
54	7.0	5.8	8.8	
68	6.0	4.6	6.8	





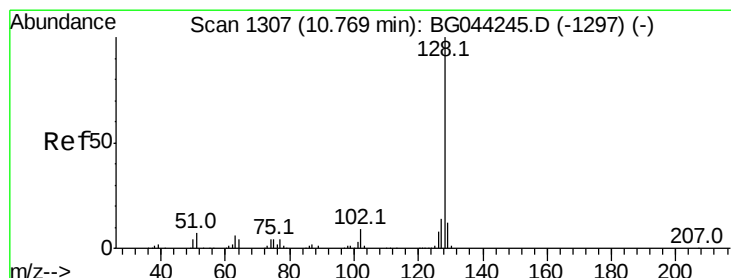
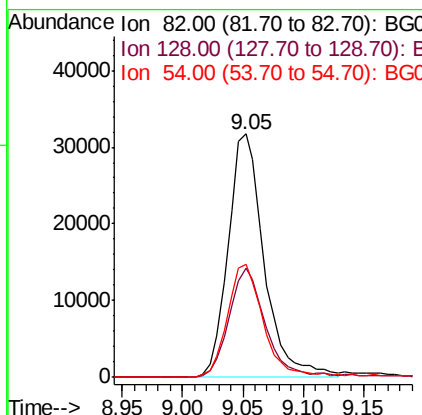
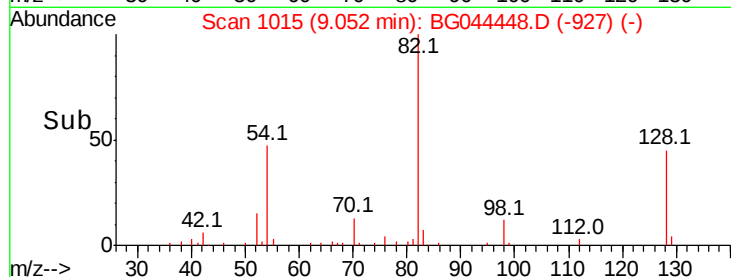
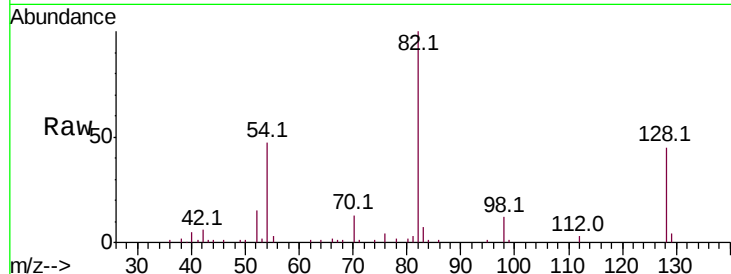
#23
 Nitrobenzene-d5
 Concen: 10.849 ng
 RT: 9.05 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: BG044448.D
 Acq: 14 Feb 2020 21:15

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

Tot Ion	82	Resp	65769
Ion Ratio	100	Lower	Upper
128	44.7	36.5	54.7
54	46.6	38.6	58.0

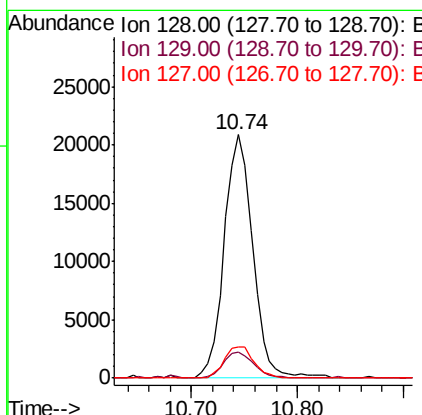
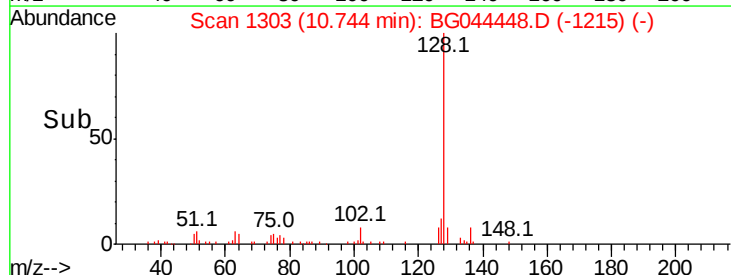
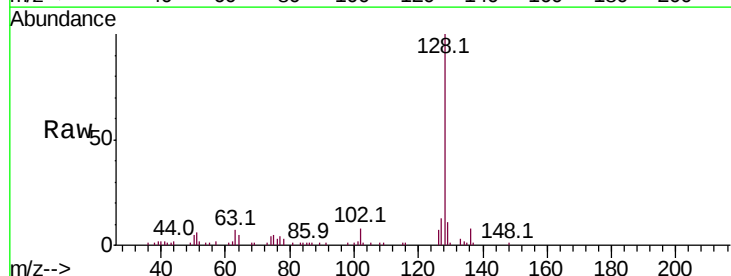
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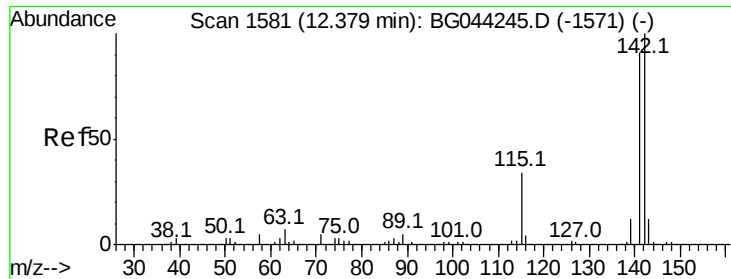
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#31
 Naphthalene
 Concen: 2.354 ng
 RT: 10.74 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BG044448.D
 Acq: 14 Feb 2020 21:15

Tgt Ion	128	Resp	39093
Ion Ratio	100	Lower	Upper
129	10.9	9.3	13.9
127	12.6	11.6	17.4





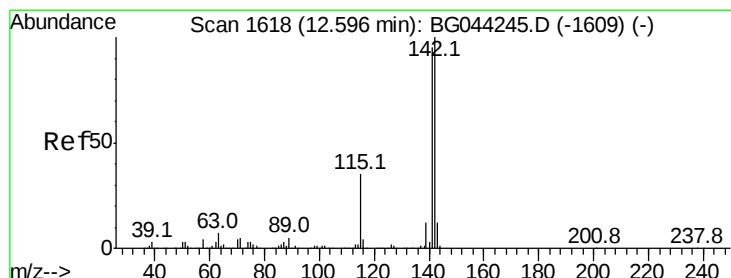
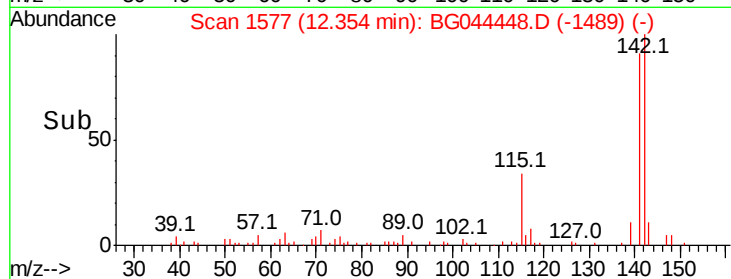
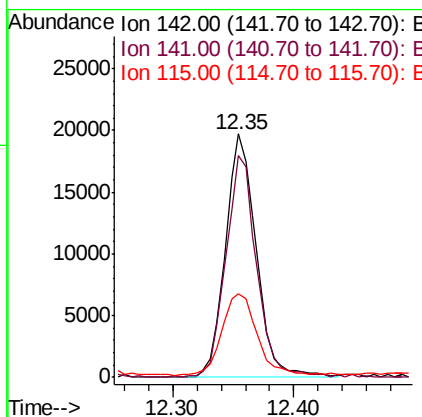
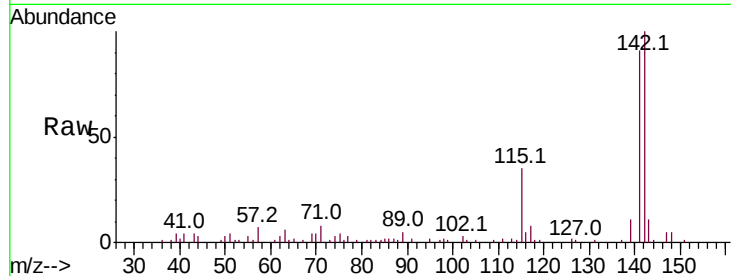
#37
 2-Methylnaphthalene
 Concen: 2.837 ng
 RT: 12.35 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BG044448.D
 Acq: 14 Feb 2020 21:15

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.3	73.2	109.8
115	34.5	27.1	40.7

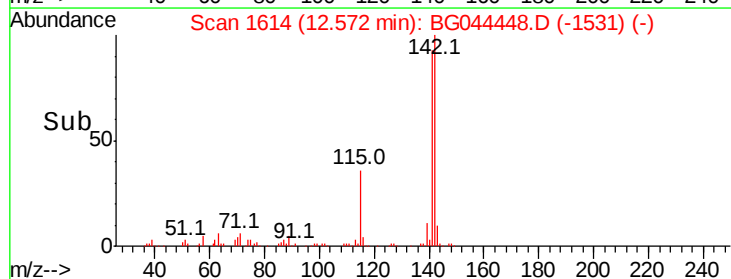
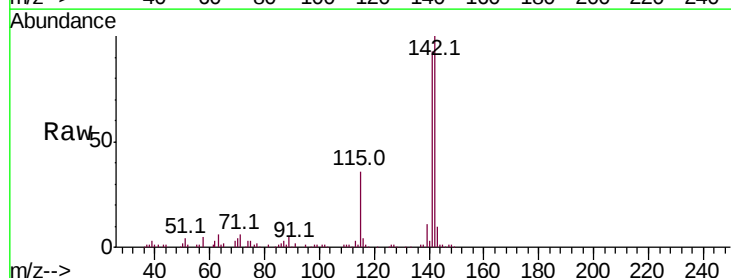
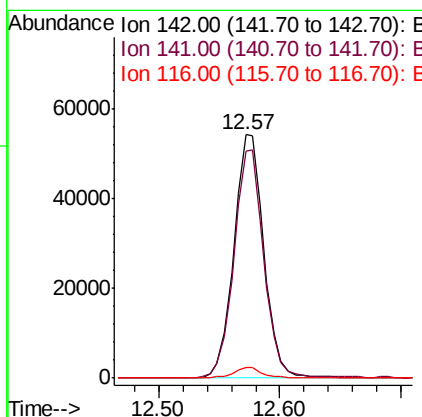
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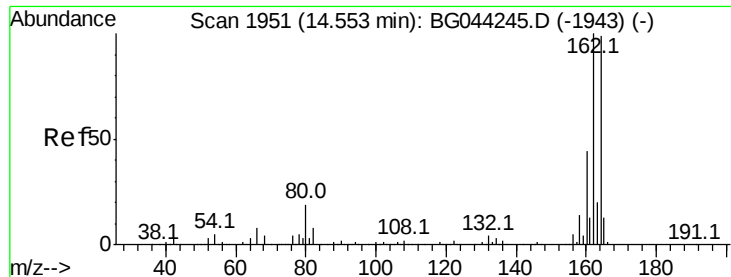
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#38
 1-Methylnaphthalene
 Concen: 8.023 ng
 RT: 12.57 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BG044448.D
 Acq: 14 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.3	75.8	113.6
116	4.3	3.1	4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.53 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG044448.D

Acq: 14 Feb 2020 21:15

Instrument :

BNA_G

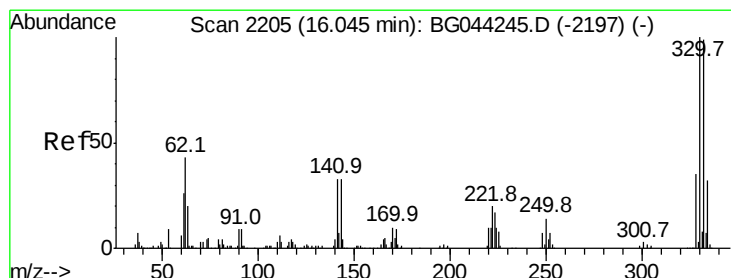
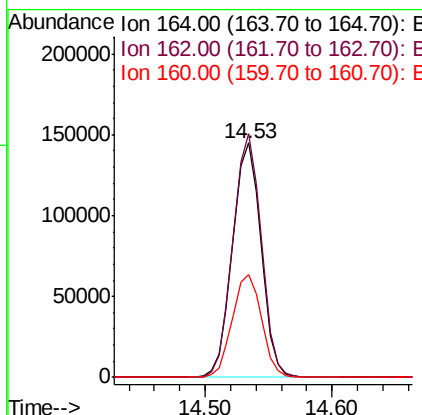
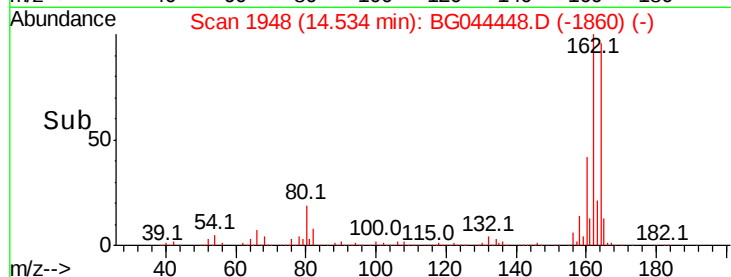
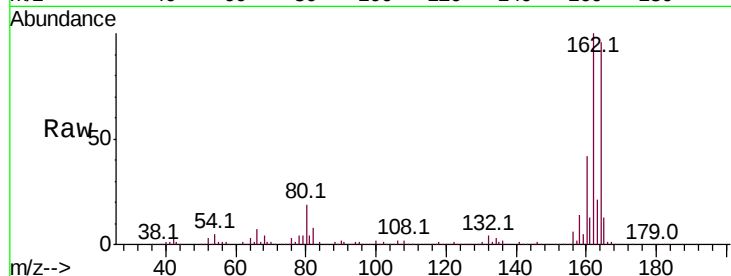
ClientSampleId :

AOC-3-SP-DDL

Tot Ion:	164	Resp:	225336
Ion Ratio	Lower	Upper	
164	100		
162	103.8	80.7	121.1
160	44.0	35.3	52.9

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#42

2,4,6-Tribromophenol

Concen: 16.288 ng

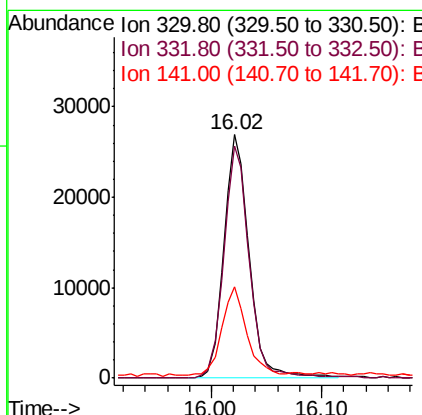
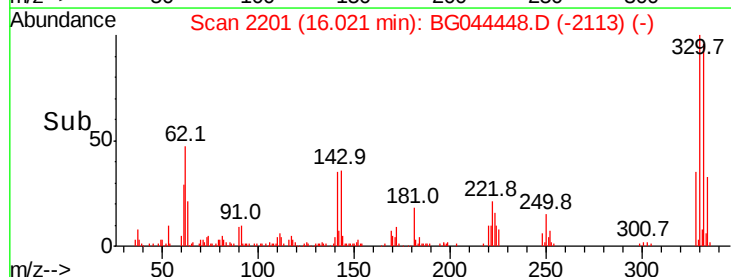
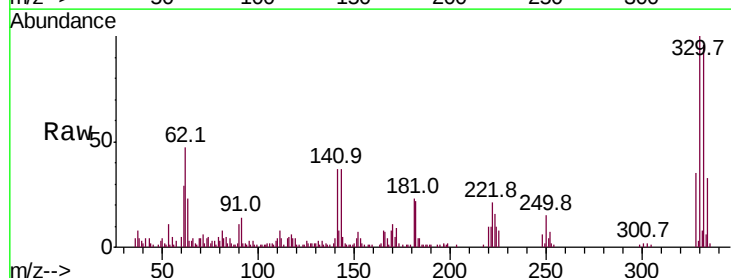
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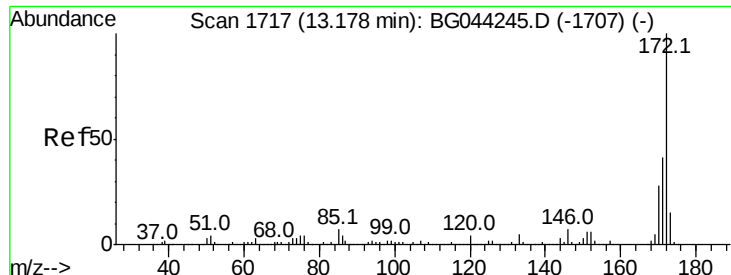
Delta R.T. -0.01 min

Lab File: BG044448.D

Acq: 14 Feb 2020 21:15

Tgt Ion:	330	Resp:	43087
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.2	115.8
141	35.7	28.3	42.5





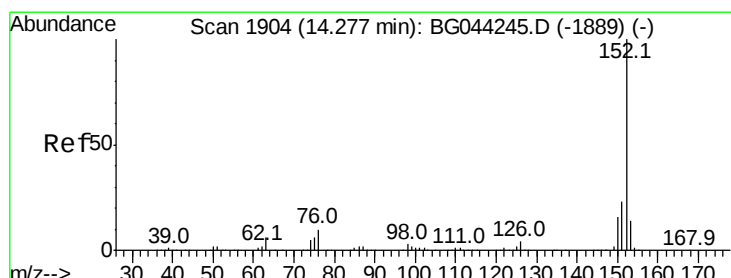
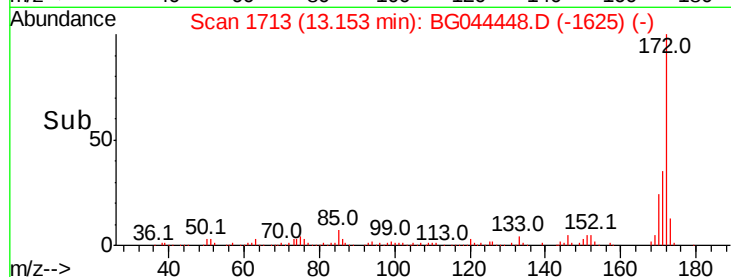
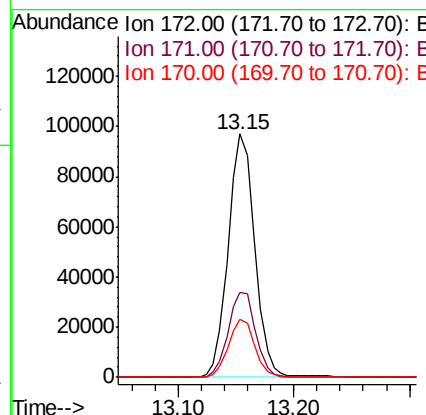
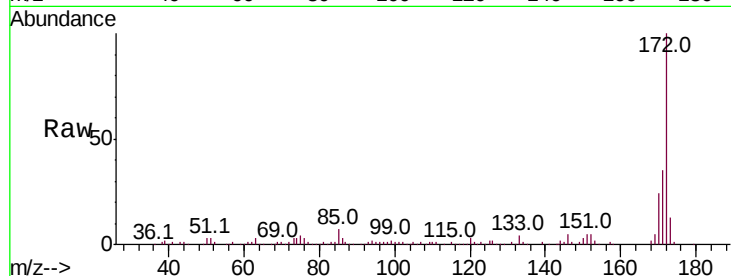
#45
2-Fluorobiphenyl
Concen: 11.503 ng
RT: 13.15 min Scan# 1713
Delta R.T. -0.01 min
Lab File: BG044448.D
Acq: 14 Feb 2020 21:15

Instrument :
BNA_G
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AOC-3-SP-DDL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	154784		
171	35.1		32.9	49.3
170	23.6		22.0	33.0

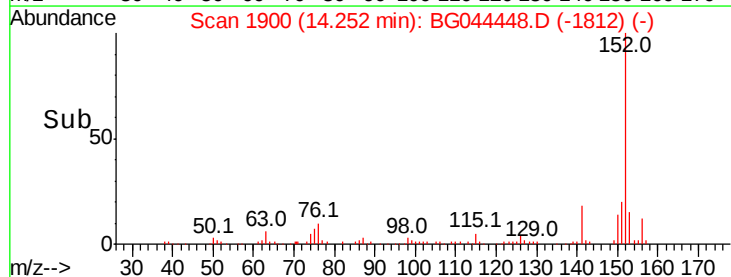
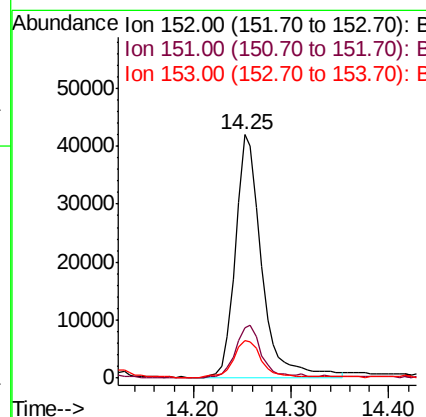
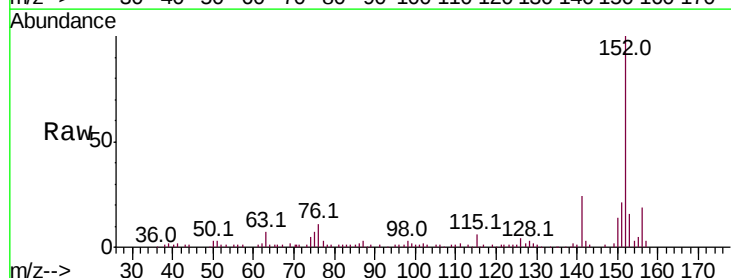
Manual Integrations
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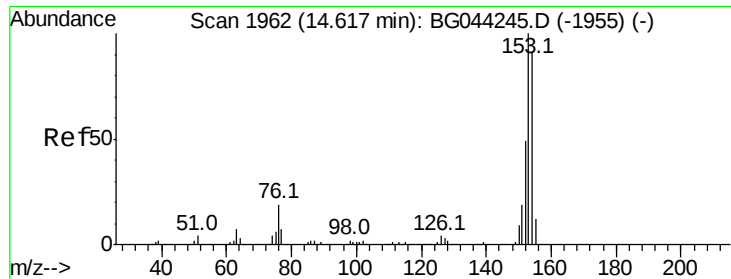
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#49
Acenaphthylene
Concen: 4.176 ng
RT: 14.25 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BG044448.D
Acq: 14 Feb 2020 21:15

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	79223		
151	20.7		18.1	27.1
153	15.6		11.5	17.3





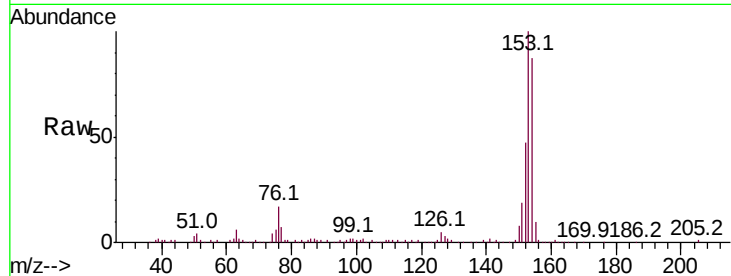
#52
Acenaphthene
Concen: 8.345 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.02 min
Lab File: BG044448.D
Acq: 14 Feb 2020 21:15

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

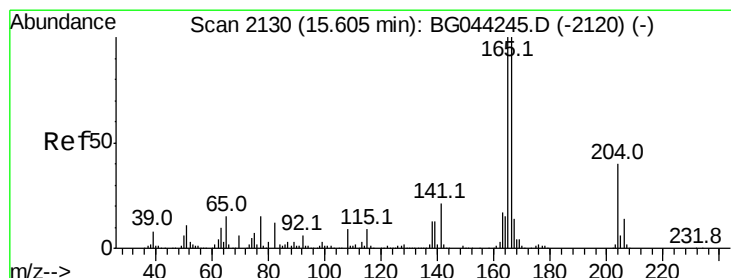
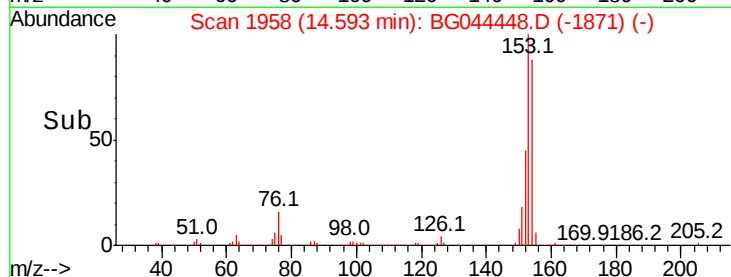
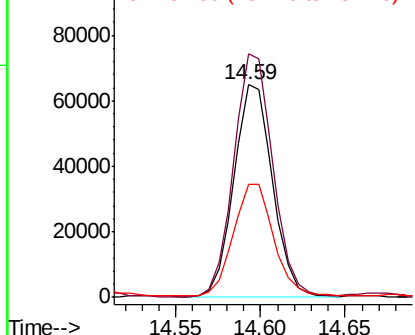
Tot Ion	Ratio	Lower	Upper
154	100		
153	114.4	87.9	131.9
152	53.3	43.1	64.7

Manual Integrations
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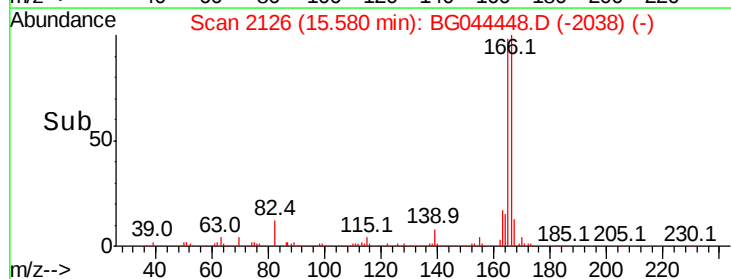
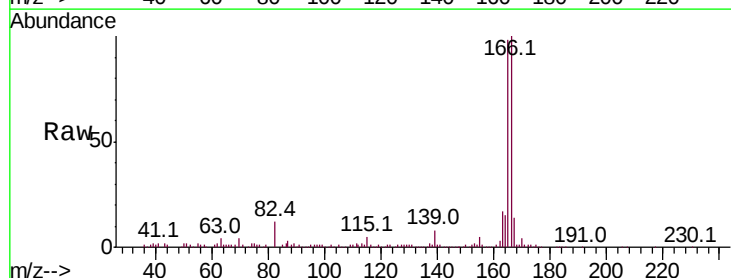
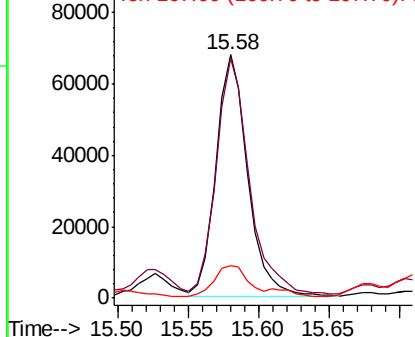
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

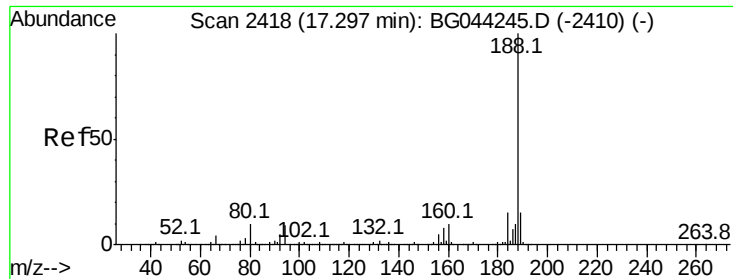


#58
Fluorene
Concen: 7.193 ng
RT: 15.58 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BG044448.D
Acq: 14 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.9	119.9
167	13.5	11.4	17.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.28 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BG044448.D

Acq: 14 Feb 2020 21:15

Instrument :

BNA_G

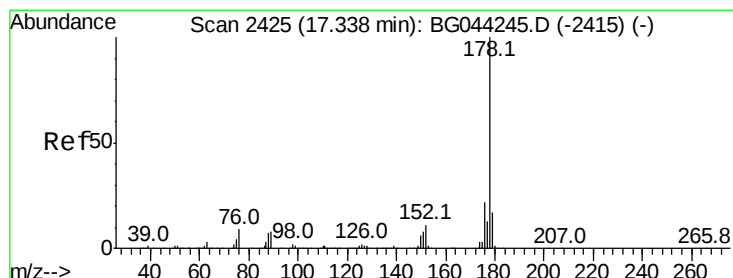
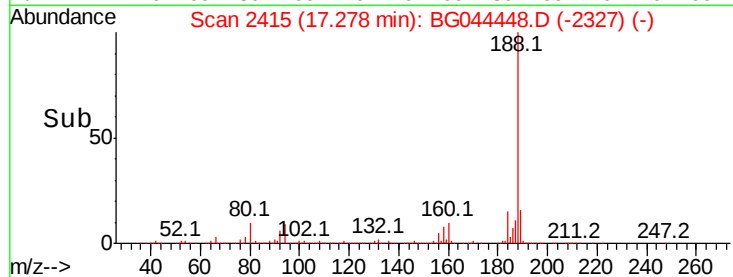
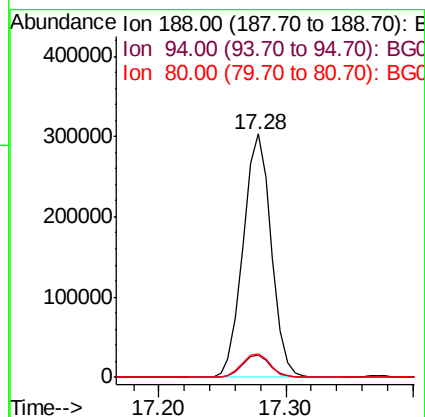
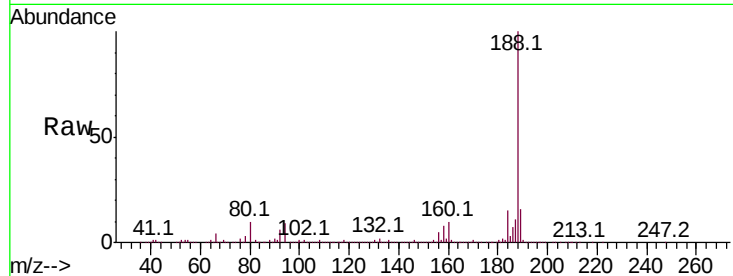
ClientSampleId :

AOC-3-SP-DDL

Tot Ion:	188	Resp:	464846
Ion Ratio	Lower	Upper	
188	100		
94	9.0	7.4	11.2
80	9.8	7.7	11.5

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#71

Phenanthrene

Concen: 23.149 ng

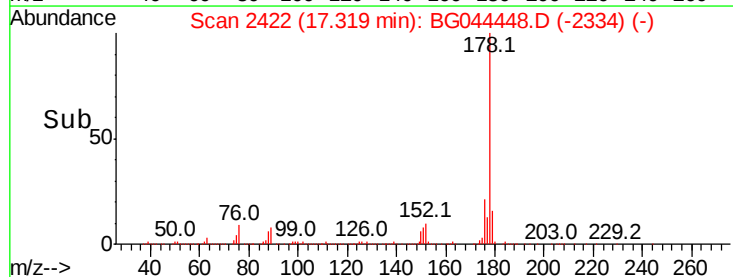
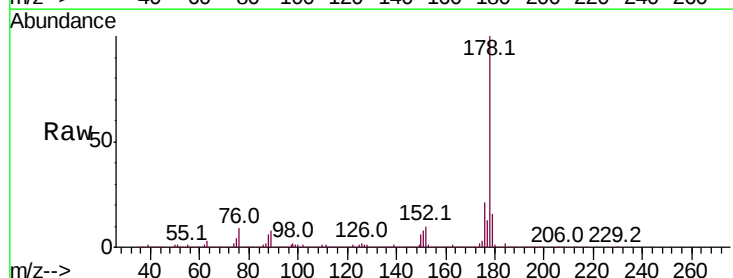
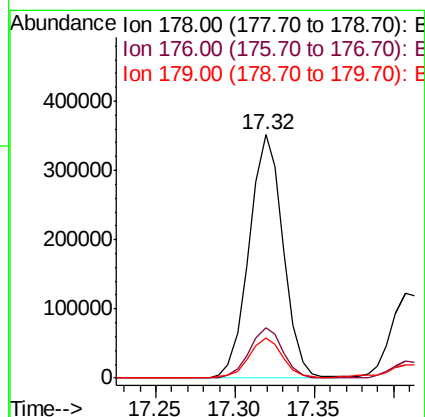
RT: 17.32 min Scan# 2422

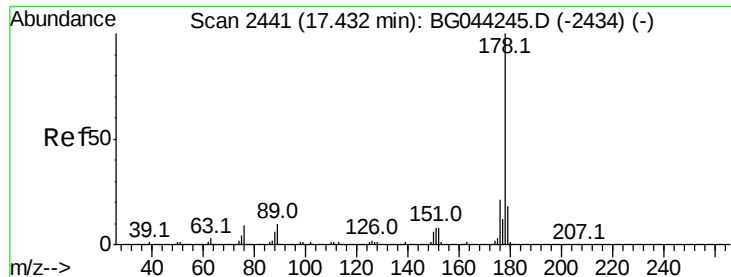
Delta R.T. -0.01 min

Lab File: BG044448.D

Acq: 14 Feb 2020 21:15

Tgt Ion:	178	Resp:	521067
Ion Ratio	Lower	Upper	
178	100		
176	20.7	17.7	26.5
179	16.3	13.7	20.5





#72

Anthracene

Concen: 8.501 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.02 min

Lab File: BG044448.D

Acq: 14 Feb 2020 21:15

Instrument :

BNA_G

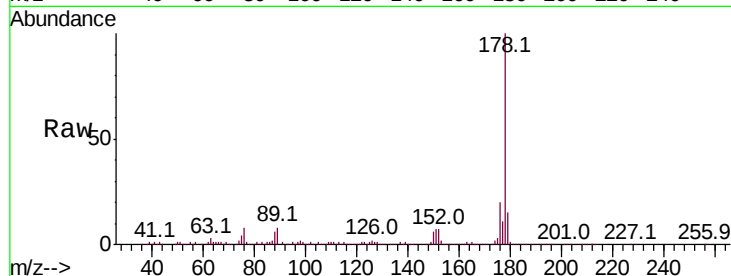
ClientSampleId :

AOC-3-SP-DDL

Tot Ion:	178	Resp:	189185
Ion Ratio	Lower	Upper	
178	100		
176	19.8	17.0	25.4
179	15.4	14.4	21.6

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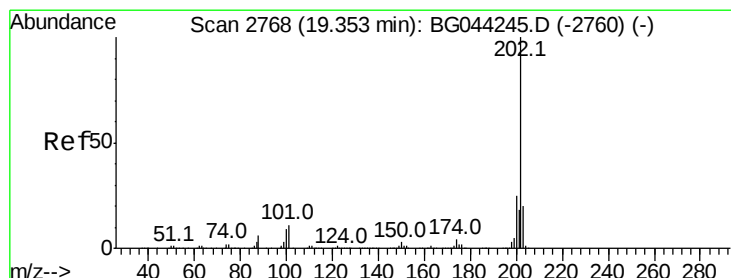
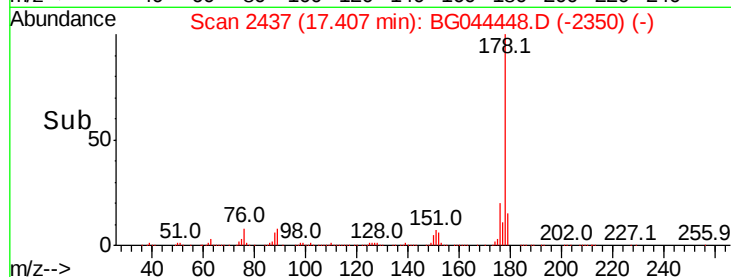
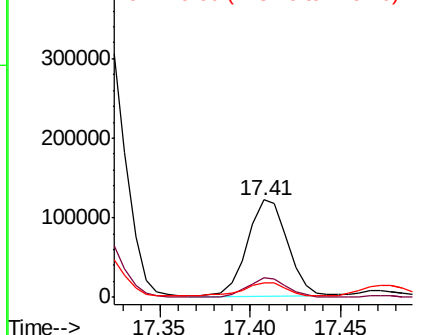


Abundance

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: 21.904 ng

RT: 19.33 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BG044448.D

Acq: 14 Feb 2020 21:15

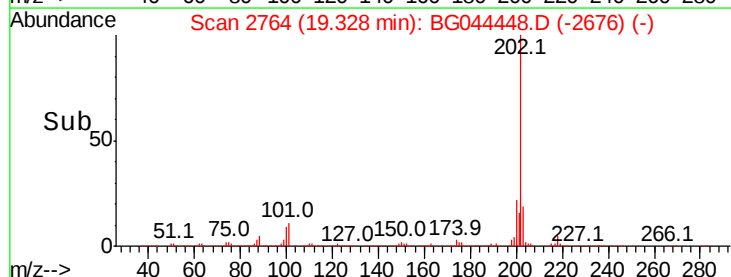
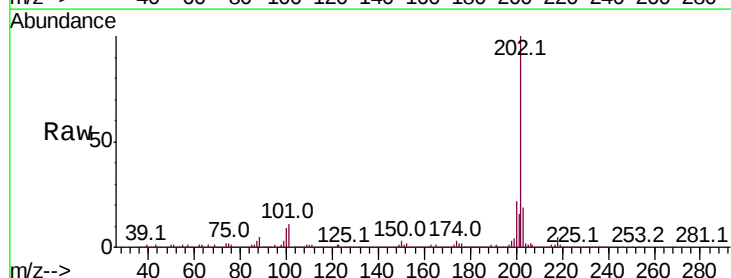
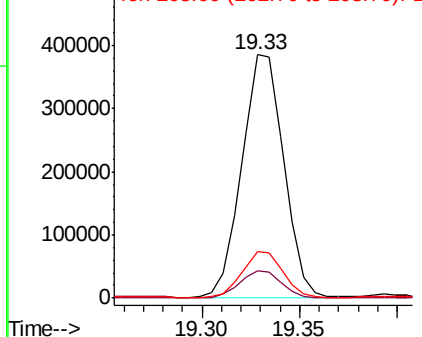
Tgt Ion:	202	Resp:	570365
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	31.3
203	19.2	0.0	39.9

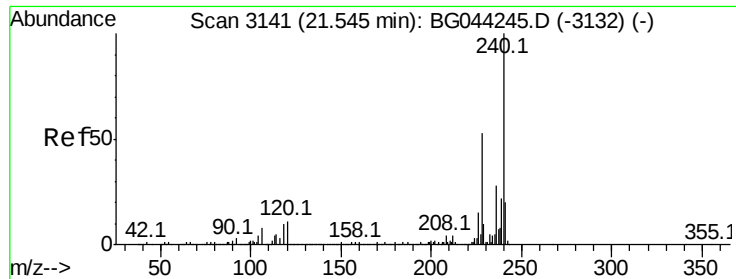
Abundance

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: 21.52 min Scan# 3137

Delta R.T. -0.02 min

Lab File: BG044448.D

Acq: 14 Feb 2020 21:15

Instrument :

BNA_G

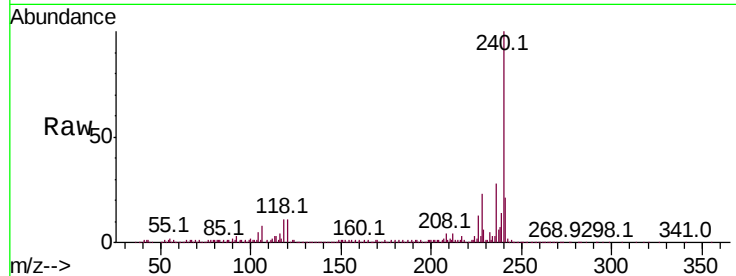
ClientSampleId :

AOC-3-SP-DDL

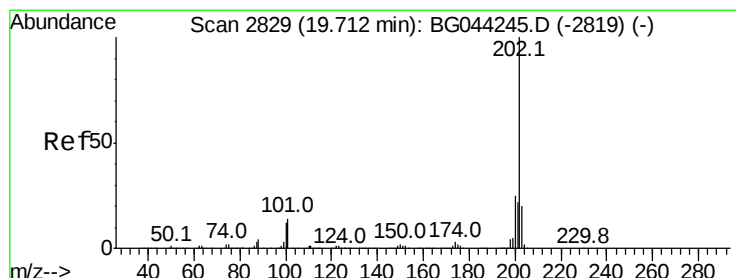
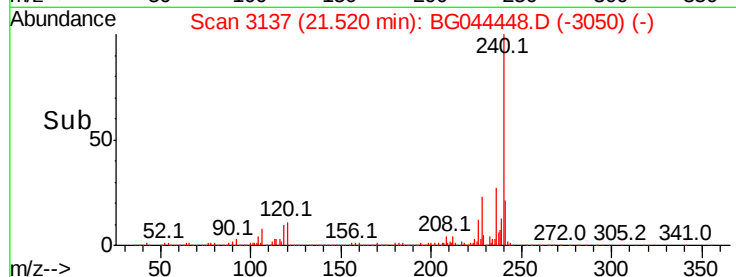
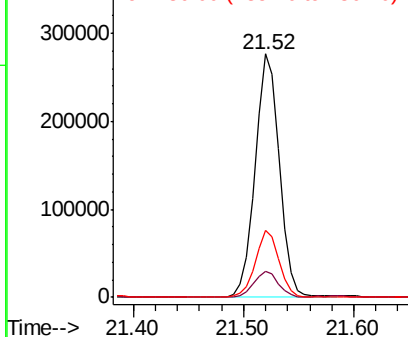
Tot Ion:	240	Resp:	425102
Ion Ratio	Lower	Upper	
240	100		
120	10.9	8.4	12.6
236	27.7	22.1	33.1

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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: 27.423 ng

RT: 19.69 min Scan# 2826

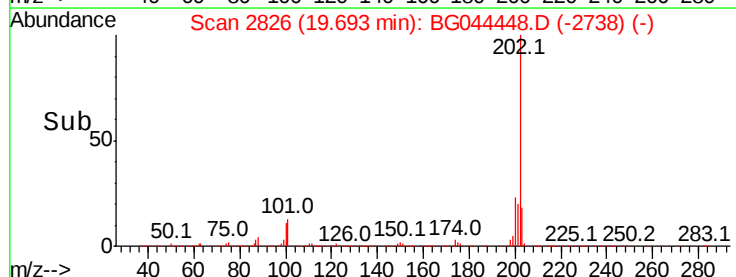
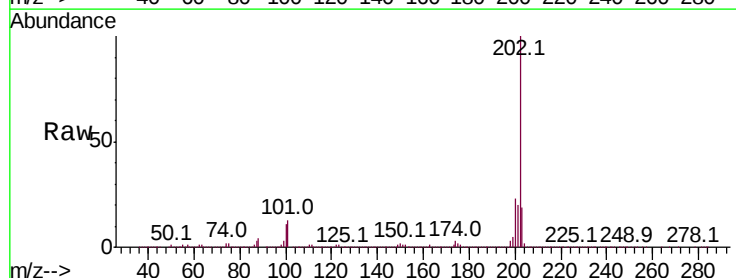
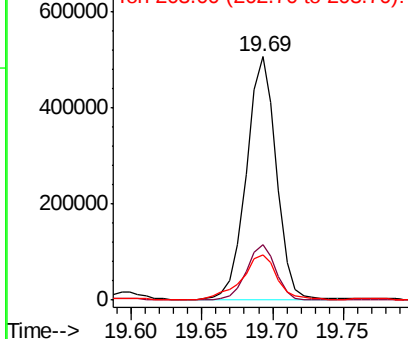
Delta R.T. -0.01 min

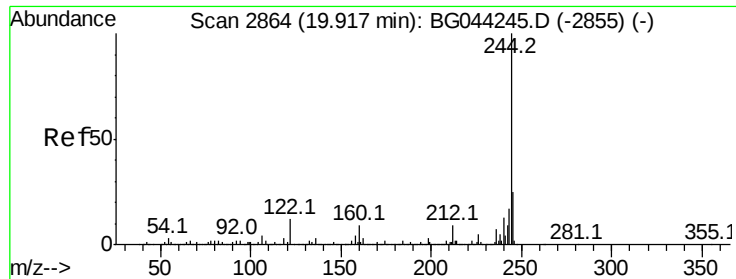
Lab File: BG044448.D

Acq: 14 Feb 2020 21:15

Tgt Ion:	202	Resp:	748664
Ion Ratio	Lower	Upper	
202	100		
200	22.9	20.0	30.0
203	18.8	16.2	24.2

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





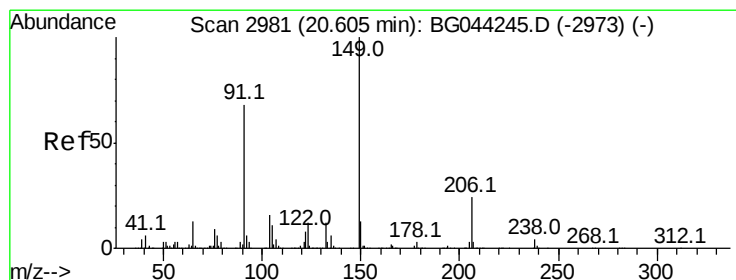
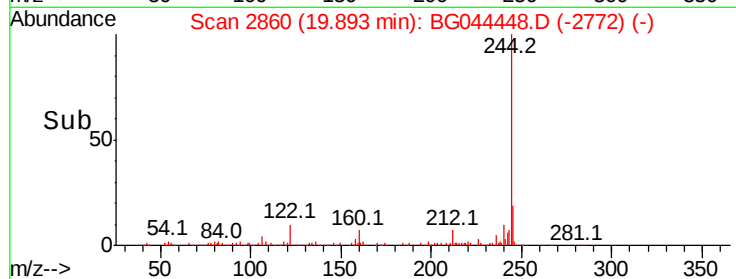
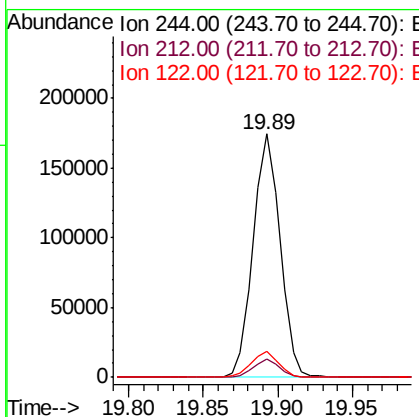
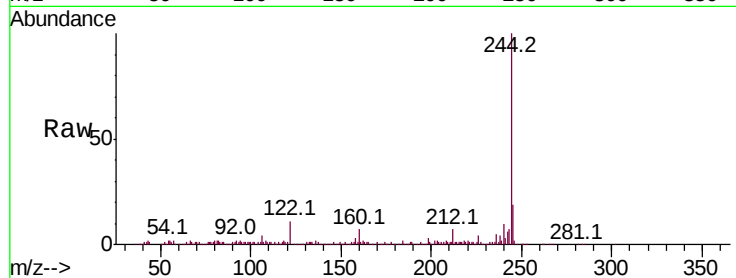
#79
 Terphenyl-d14
 Concen: 10.501 ng
 RT: 19.89 min Scan# 2860
 Delta R.T. -0.01 min
 Lab File: BG044448.D
 Acq: 14 Feb 2020 21:15

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

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	7.4	11.2#
122	10.5	9.8	14.6

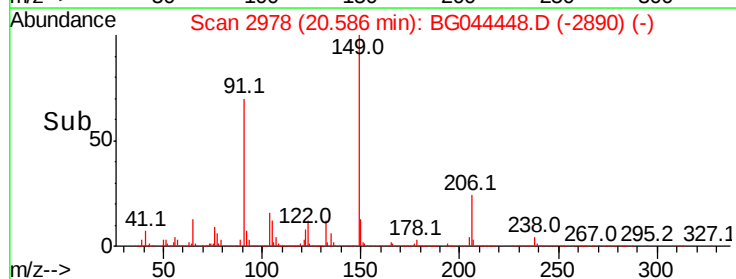
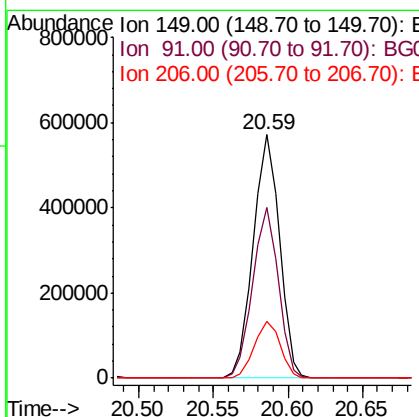
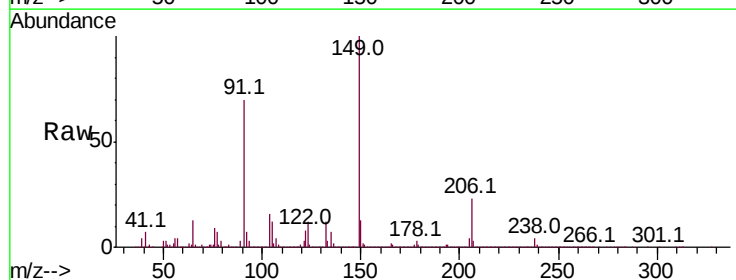
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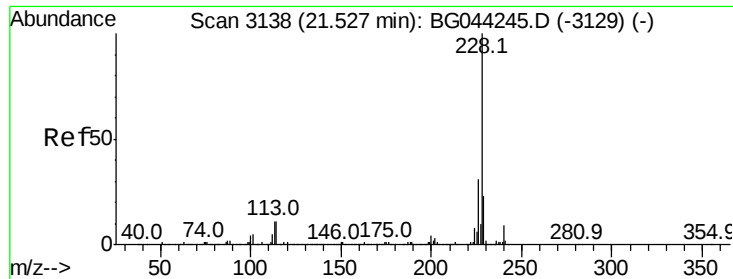
mohammad
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#80
 Butylbenzylphthalate
 Concen: 55.337 ng
 RT: 20.59 min Scan# 2978
 Delta R.T. -0.01 min
 Lab File: BG044448.D
 Acq: 14 Feb 2020 21:15

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
91	70.1	54.5	81.7
206	23.5	19.1	28.7





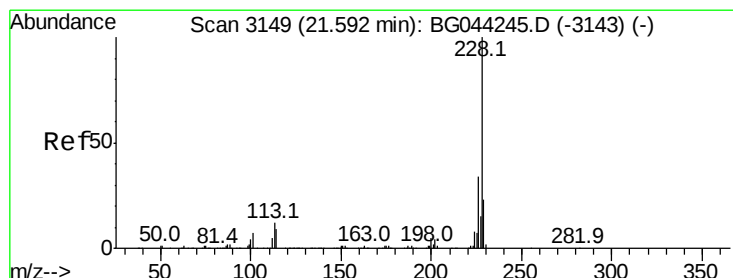
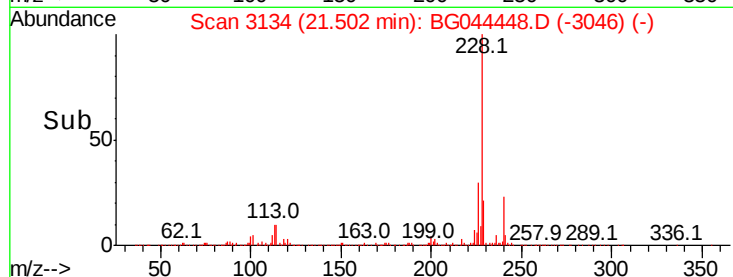
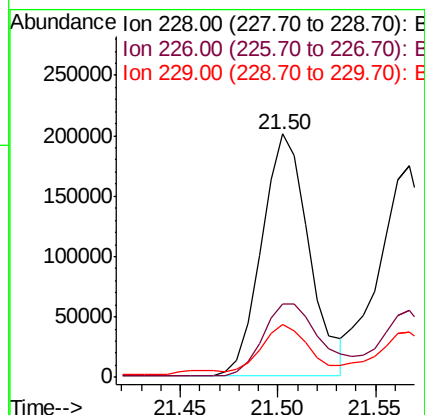
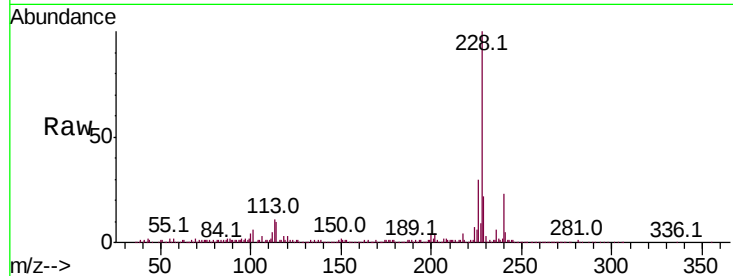
#81
Benzo(a)anthracene
Concen: 12.844 ng
RT: 21.50 min Scan# 3134
Delta R.T. -0.01 min
Lab File: BG044448.D
Acq: 14 Feb 2020 21:15

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.7	37.1
229	21.8	18.2	27.4

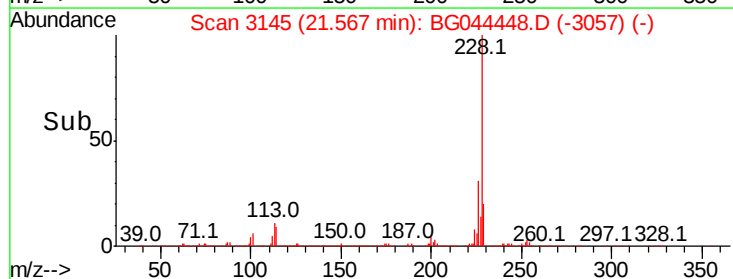
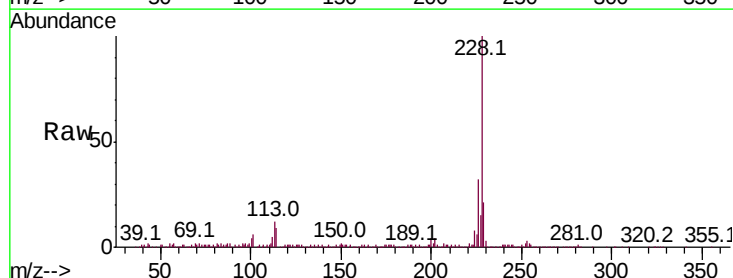
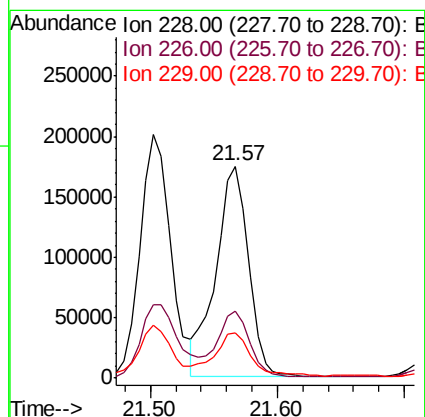
Manual Integrations
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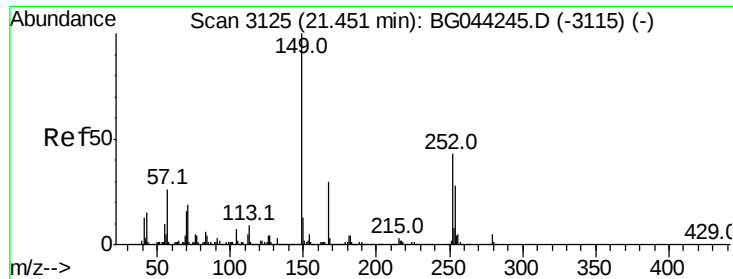
mohammad
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#83
Chrysene
Concen: 12.315 ng
RT: 21.57 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG044448.D
Acq: 14 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	27.1	40.7
229	21.2	17.9	26.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.772 ng

RT: 21.43 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BG044448.D

Acq: 14 Feb 2020 21:15

Instrument :

BNA_G

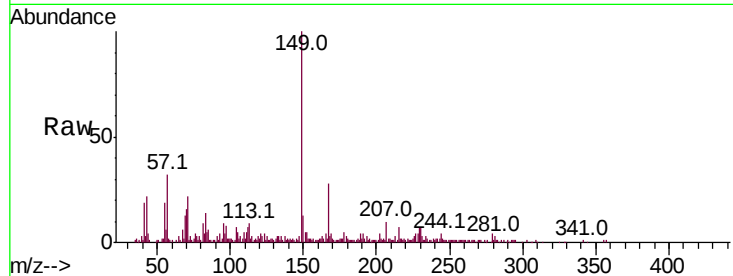
ClientSampleId :

AOC-3-SP-DDL

Tot Ion:	149	Resp:	47474
Ion Ratio	Lower	Upper	
149	100		
167	28.2	24.0	36.0
279	4.5	3.8	5.8

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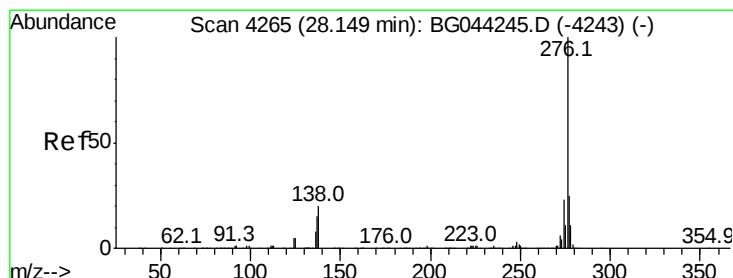
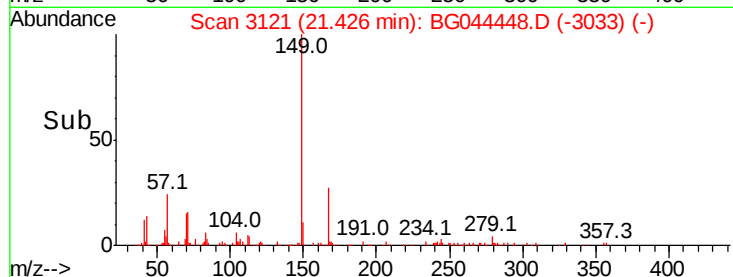
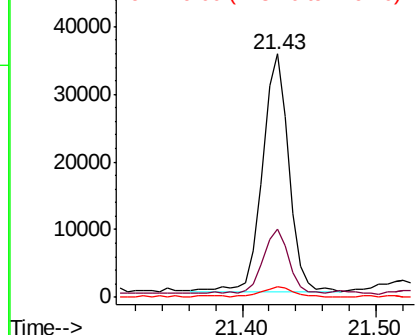


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.723 ng

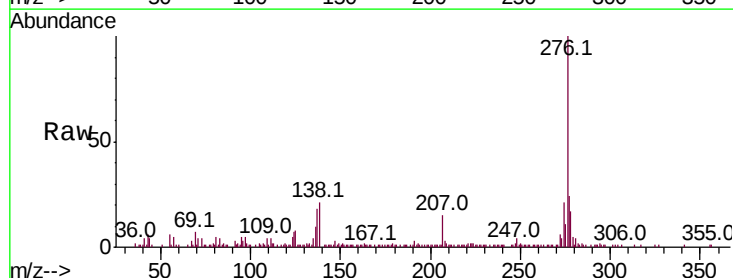
RT: 28.08 min Scan# 4254

Delta R.T. -0.03 min

Lab File: BG044448.D

Acq: 14 Feb 2020 21:15

Tgt Ion:	276	Resp:	122995
Ion Ratio	Lower	Upper	
276	100		
138	21.5	19.4	29.0
277	24.9	21.0	31.6

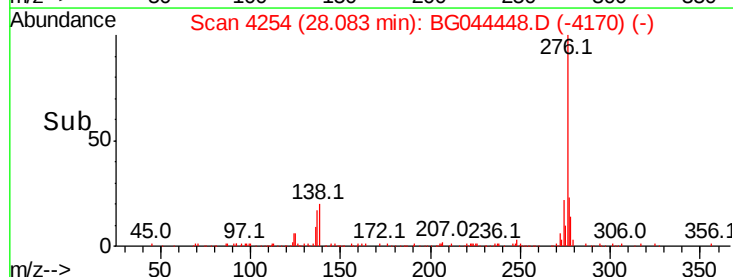
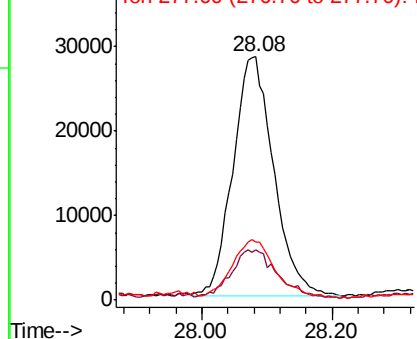


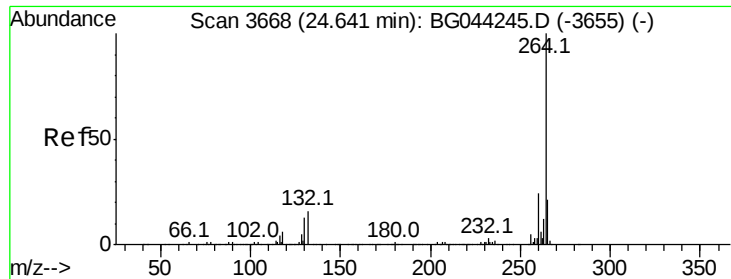
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.60 min Scan# 3662

Delta R.T. -0.02 min

Lab File: BG044448.D

Acq: 14 Feb 2020 21:15

Instrument :

BNA_G

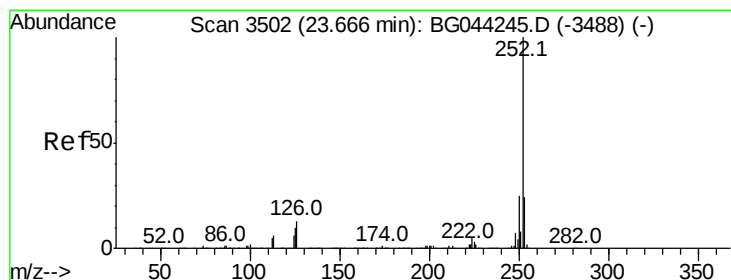
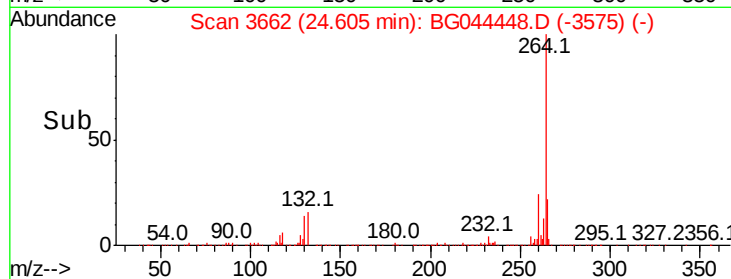
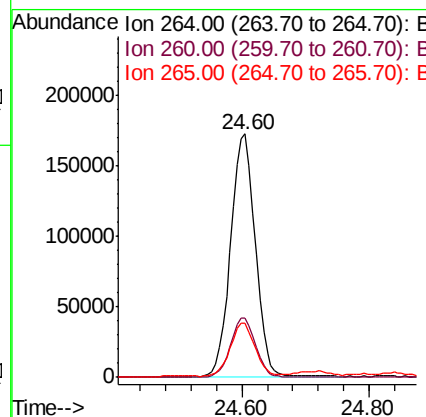
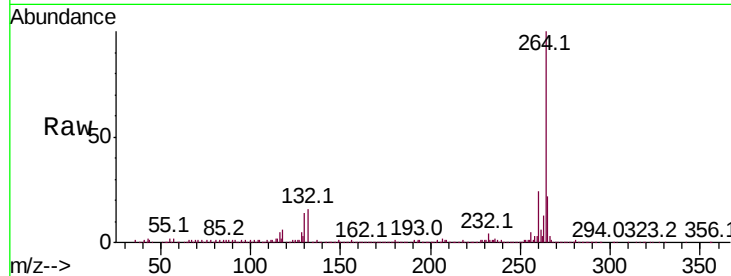
ClientSampleId :

AOC-3-SP-DDL

Tot Ion:	264	Resp:	465241
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.4	29.2
265	22.4	16.7	25.1

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#88

Benzo(b)fluoranthene

Concen: 10.202 ng

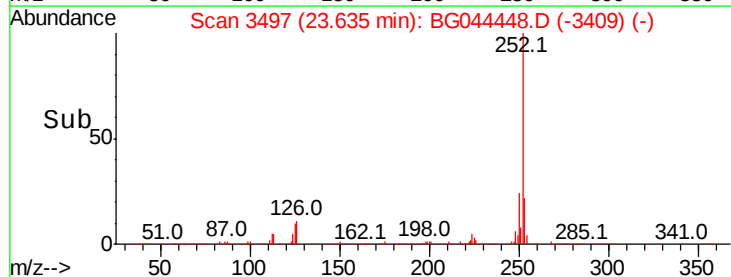
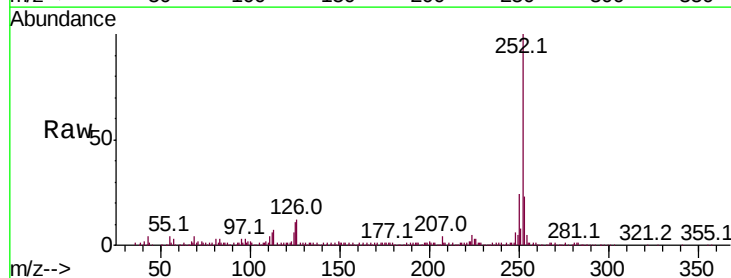
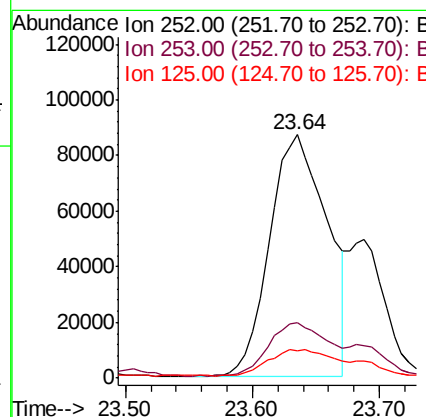
RT: 23.64 min Scan# 3497

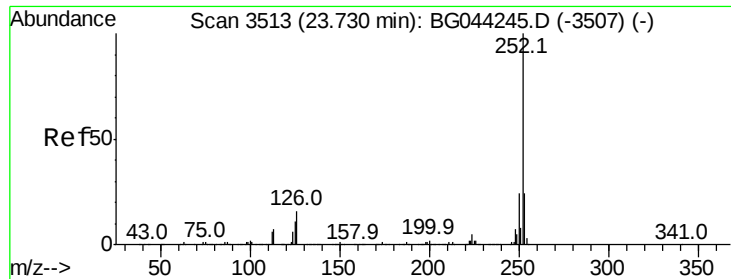
Delta R.T. -0.01 min

Lab File: BG044448.D

Acq: 14 Feb 2020 21:15

Tgt Ion:	252	Resp:	273491
Ion Ratio	Lower	Upper	
252	100		
253	22.7	19.2	28.8
125	11.4	8.4	12.6





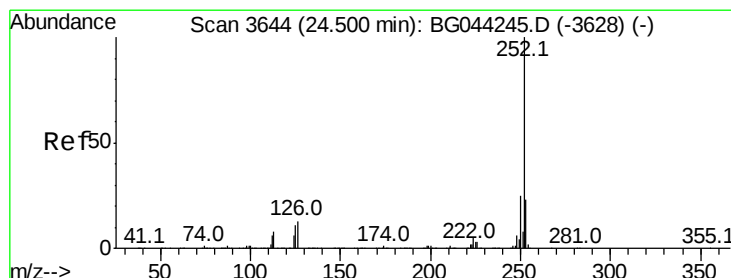
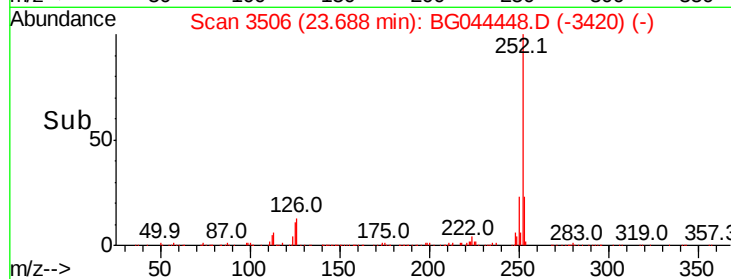
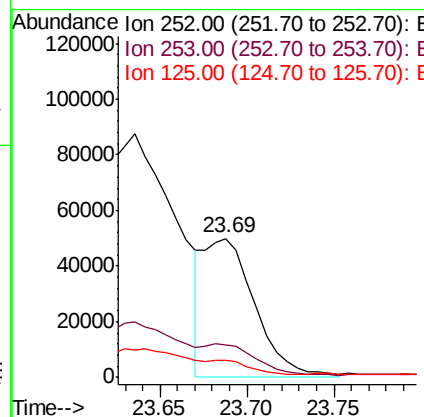
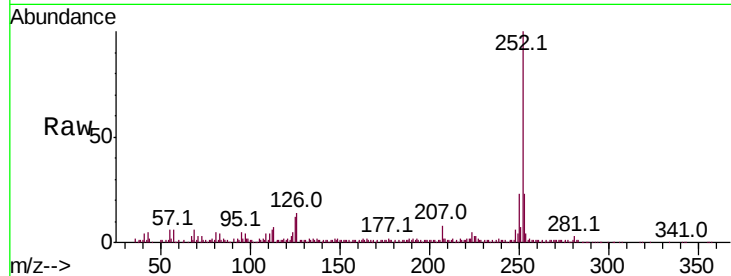
#89
Benzo(k)fluoranthene
Concen: 3.898 ng/mL
RT: 23.69 min Scan# 3506
Delta R.T. -0.02 min
Lab File: BG044448.D
Acq: 14 Feb 2020 21:15

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.1	28.7
125	12.1	8.6	12.8

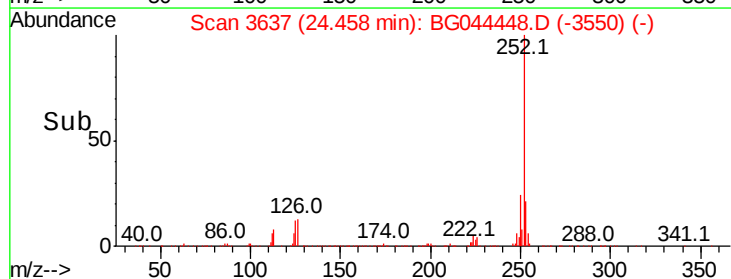
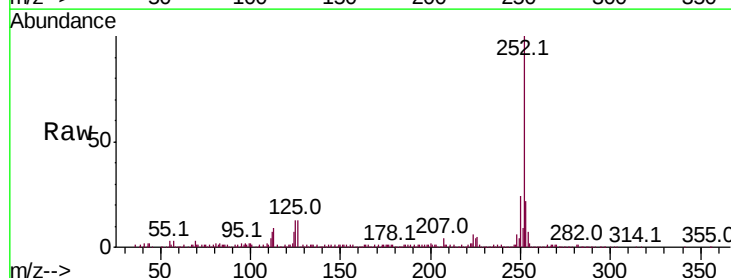
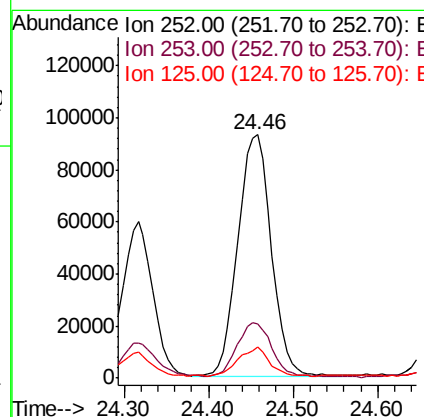
Manual Integrations
APPROVED

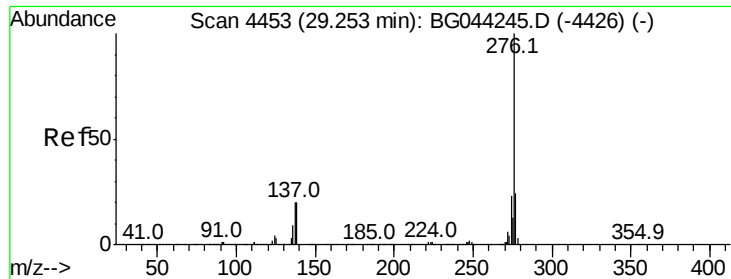
mohammad
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#90
Benzo(a)pyrene
Concen: 9.954 ng/mL
RT: 24.46 min Scan# 3637
Delta R.T. -0.02 min
Lab File: BG044448.D
Acq: 14 Feb 2020 21:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	12.8	8.6	13.0





#92
 Benzo(a,h,i)perylene
 Concen: 4.844 ng
 RT: 29.16 min Scan# 4438
 Delta R.T. -0.04 min
 Lab File: BG044448.D
 Acq: 14 Feb 2020 21:15

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

Tot Ion:	276	Resp:	121647
Ion Ratio	Lower	Upper	
276	100		
277	25.5	18.8	28.2
138	17.9	16.2	24.2

Manual Integrations
 APPROVED

mohammad
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