

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101719\
 Data File : BG043277.D
 Acq On : 18 Oct 2019 00:46
 Operator : JU
 Sample : K5350-01DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-209DL

Manual Integrations
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Quant Time: Oct 18 03:19:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	51718	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	215641	20.00	ng	-0.02
39) Acenaphthene-d10	14.67	164	149663	20.00	ng	-0.01
64) Phenanthrene-d10	17.41	188	319911	20.00	ng	0.00
76) Chrysene-d12	21.68	240	345701	20.00	ng	0.00
87) Perylene-d12	24.90	264	411332	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	32205	11.11	ng	-0.02
7) Phenol-d6	7.21	99	42128	10.09	ng	-0.02
23) Nitrobenzene-d5	9.20	82	25669	5.79	ng	-0.01
42) 2,4,6-Tribromophenol	16.15	330	23310	9.06	ng	-0.01
45) 2-Fluorobiphenyl	13.29	172	80873	7.83	ng	-0.02
79) Terphenyl-d14	20.01	244	137336	8.47	ng	-0.01

Target Compounds					Qvalue	
31) Naphthalene	10.90	128	377239	35.538	ng	99
37) 2-Methylnaphthalene	12.49	142	98816	12.202	ng	95
38) 1-Methylnaphthalene	12.72	142	78894m	10.296	ng	
46) 1,1'-Biphenyl	13.50	154	54825	4.831	ng	99
52) Acenaphthene	14.73	154	128259	14.716	ng	98
55) Dibenzofuran	15.06	168	258575	20.056	ng	98
58) Fluorene	15.71	166	292118	26.539	ng	96
71) Phenanthrene	17.46	178	1094330	70.068	ng	98
72) Anthracene	17.55	178	1541764	98.883	ng	95
73) Carbazole	17.82	167	460984	31.883	ng	96
75) Fluoranthene	19.46	202	552704	26.755	ng	97
78) Pyrene	19.82	202	400814	19.425	ng	99
81) Benzo(a)anthracene	21.66	228	158785	7.372	ng	95
83) Chrysene	21.72	228	170897	8.176	ng	97
88) Benzo(b)fluoranthene	23.88	252	105499	4.533	ng	97
90) Benzo(a)pyrene	24.74	252	80085	3.647	ng	95

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

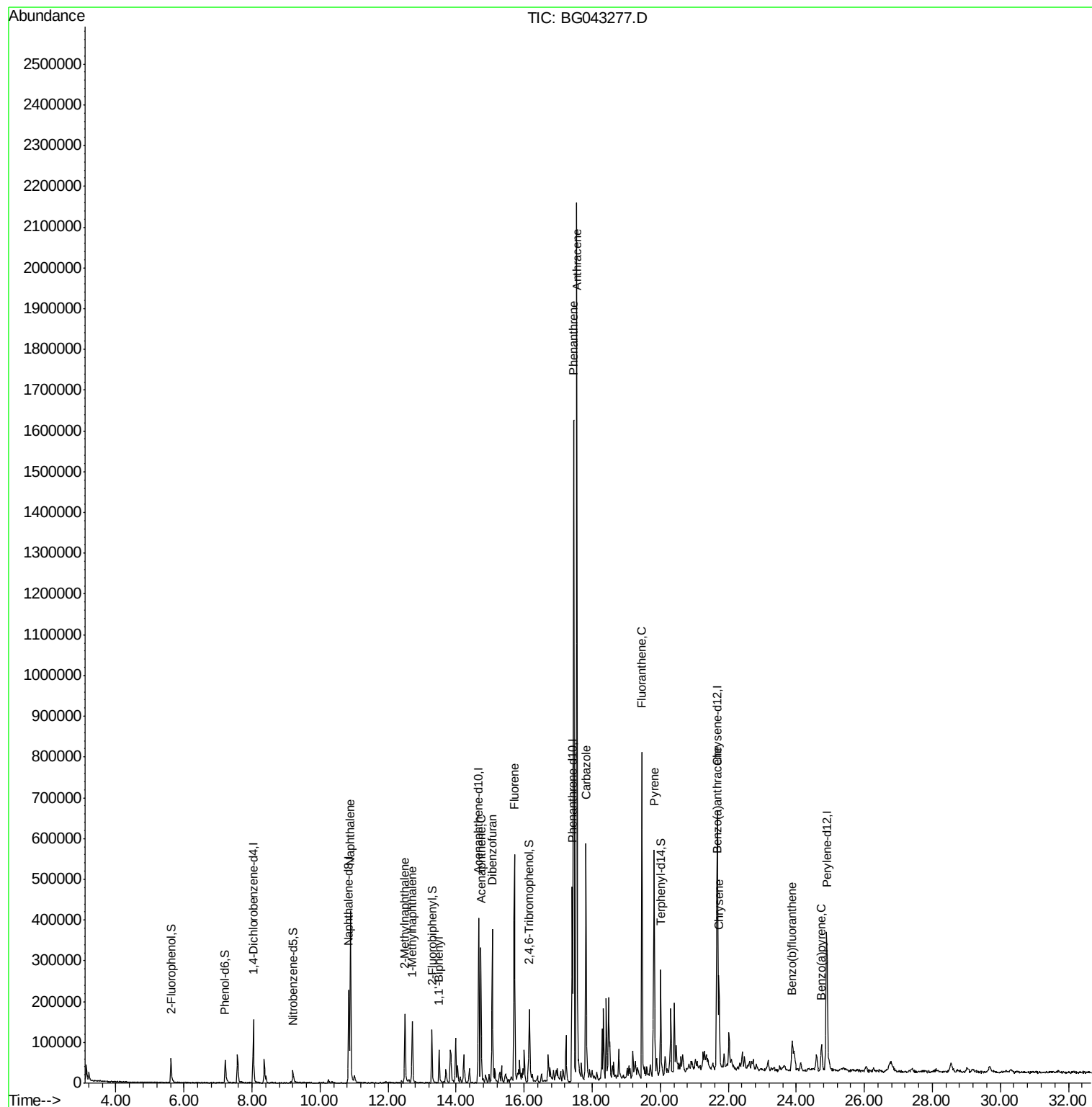
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101719\
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ALS Vial : 15 Sample Multiplier: 1

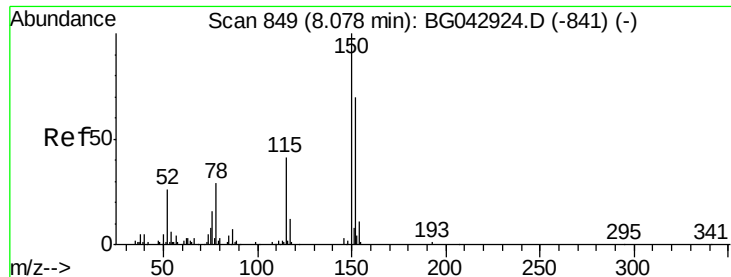
Instrument :
BNA_G
ClientSampleId :
VNJ-209DL

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Quant Time: Oct 18 03:19:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

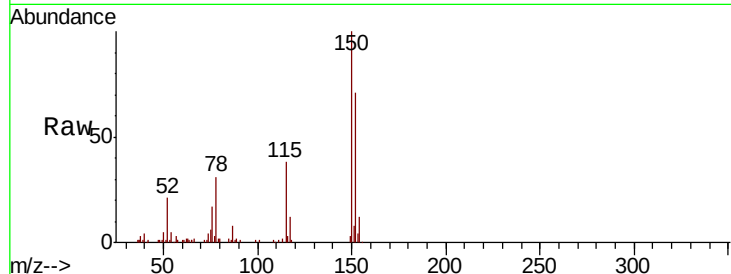
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.02 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Instrument :
BNA_G
ClientSampled :
VNJ-209DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.2	115.0	172.4
115	53.3	47.0	70.6

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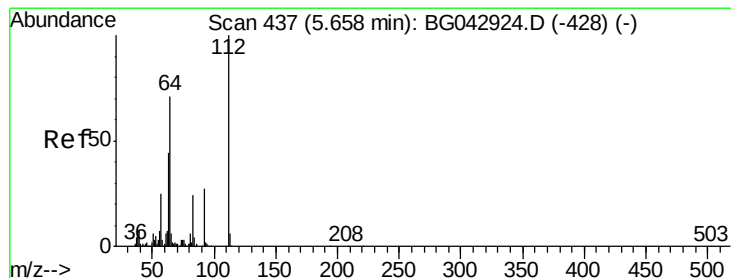
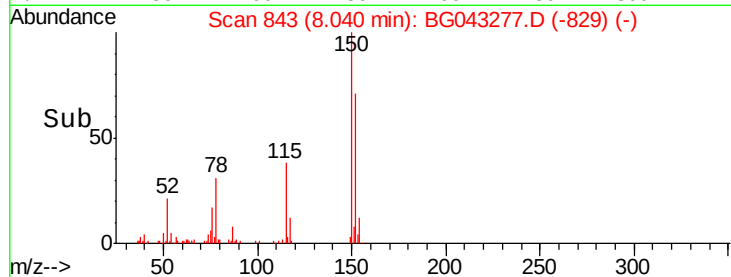
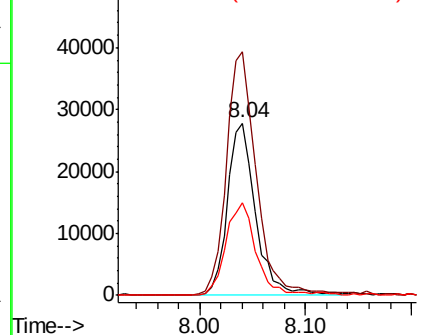


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

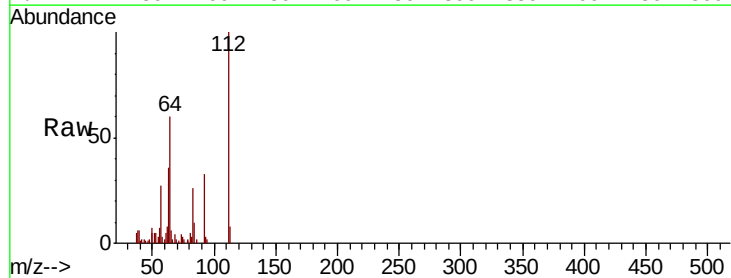
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 11.113 ng
RT: 5.62 min Scan# 431
Delta R.T. -0.02 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	56.6	84.8
63	36.3	35.1	52.7

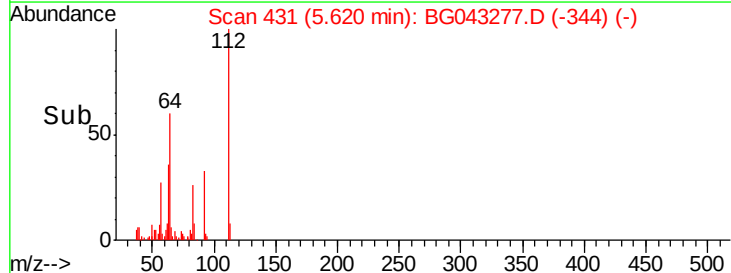
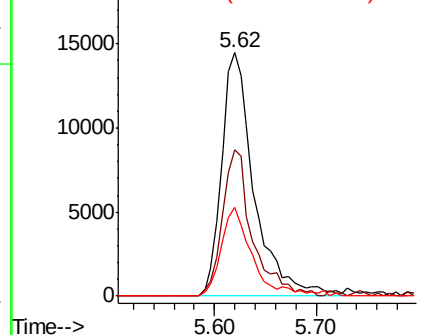


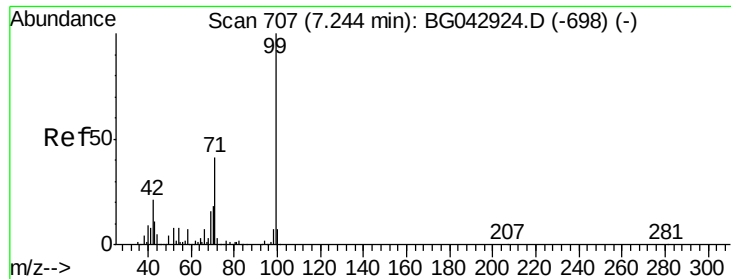
Abundance

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: 10.095 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.02 min

Lab File: BG043277.D

Acq: 18 Oct 2019 00:46

Instrument :

BNA_G

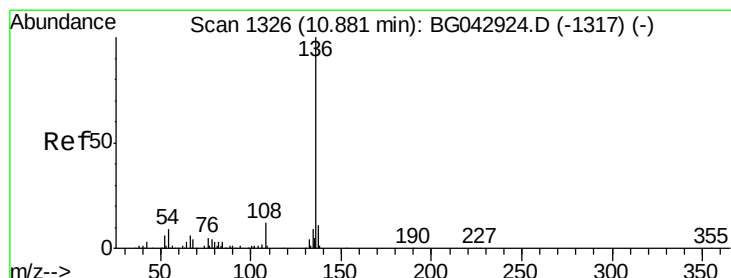
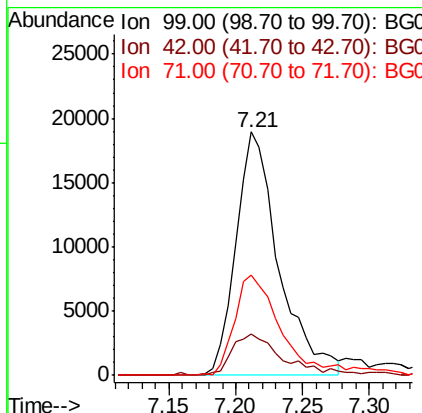
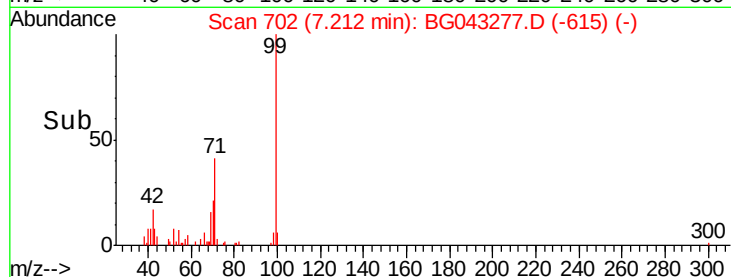
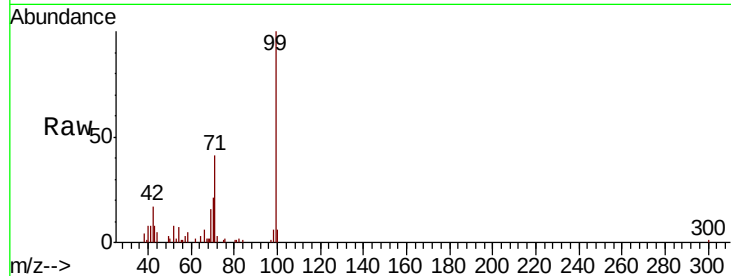
ClientSampleID :

VNJ-209DL

Tot Ion:	99	Resp:	42128
Ion Ratio	Lower	Upper	
99	100		
42	17.0	17.2	25.8#
71	41.0	33.1	49.7

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#21

Naphthalene-d8

Concen: 20.000 ng

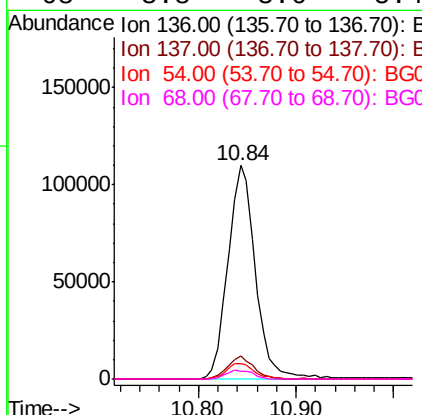
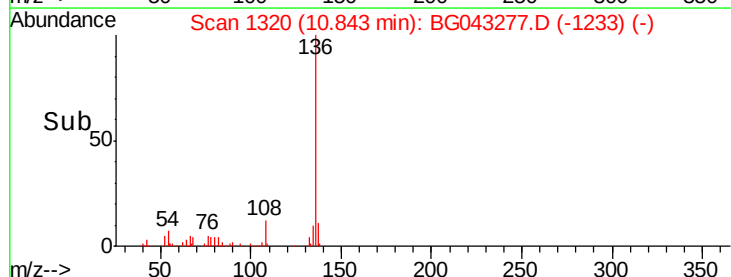
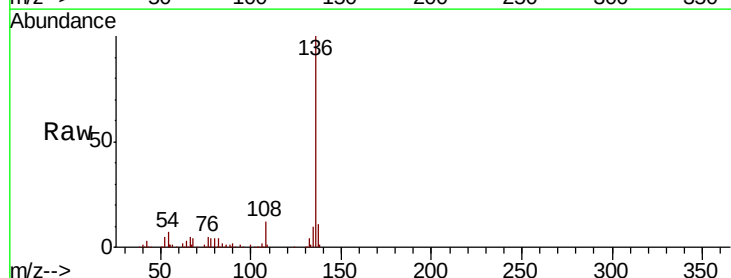
RT: 10.84 min Scan# 1320

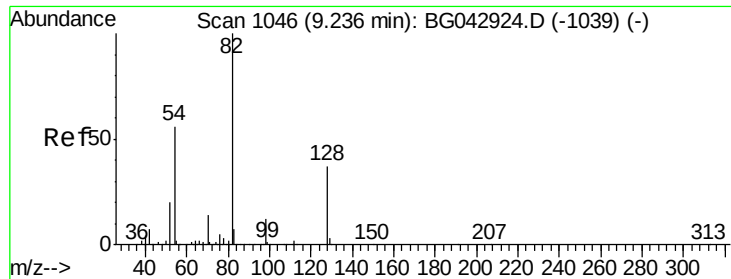
Delta R.T. -0.02 min

Lab File: BG043277.D

Acq: 18 Oct 2019 00:46

Tgt Ion:	136	Resp:	215641
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	7.1	7.4	11.2#
68	3.8	3.6	5.4





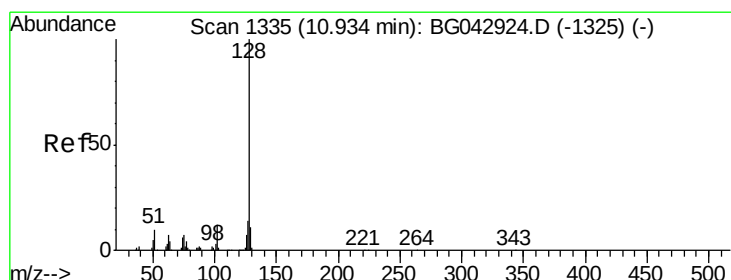
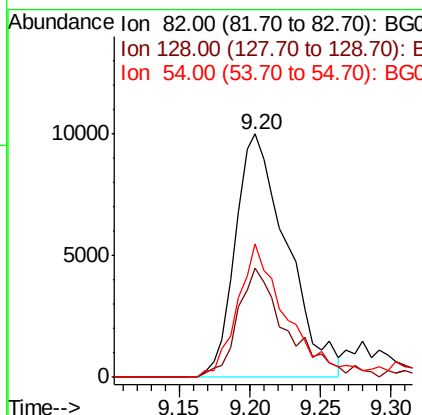
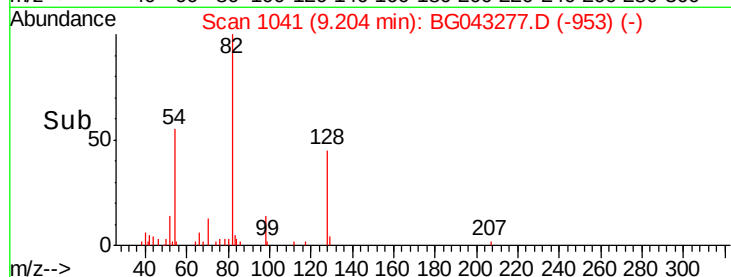
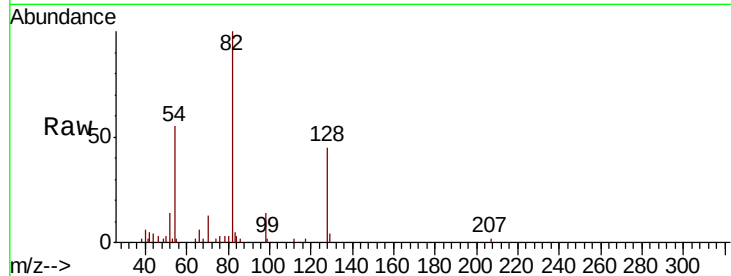
#23
 Nitrobenzene-d5
 Concen: 5.786 ng
 RT: 9.20 min Scan# 1041
 Delta R.T. -0.01 min
 Lab File: BG043277.D
 Acq: 18 Oct 2019 00:46

Instrument :
 BNA_G
 ClientSampleID :
 VNJ-209DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	29.5	44.3#
54	54.8	44.6	67.0

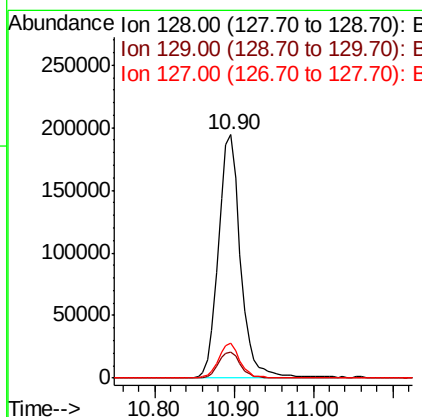
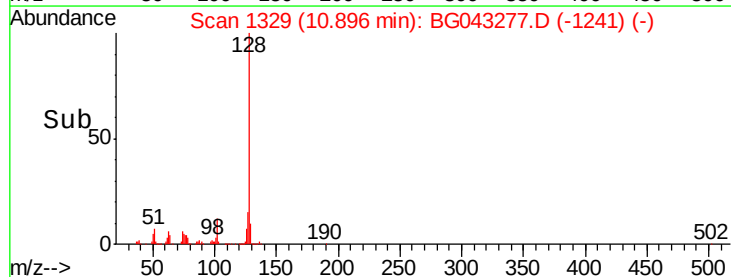
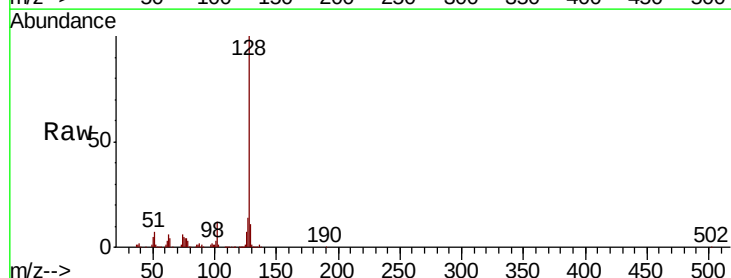
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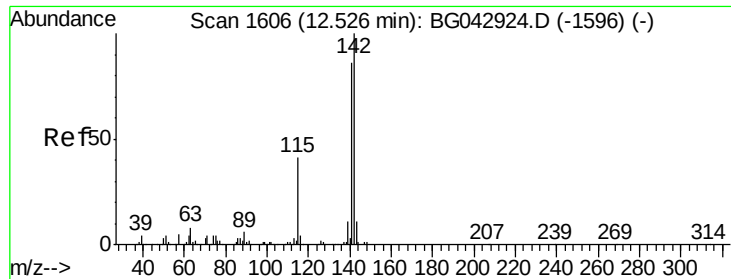
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#31
 Naphthalene
 Concen: 35.538 ng
 RT: 10.90 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: BG043277.D
 Acq: 18 Oct 2019 00:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	14.5	11.3	16.9





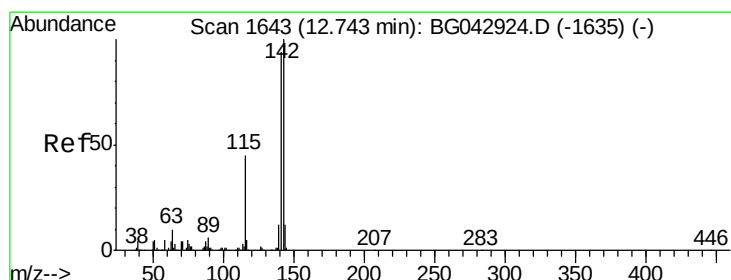
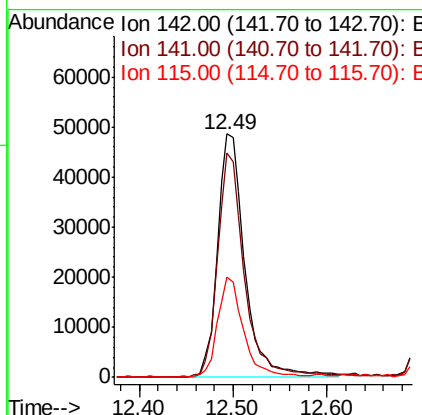
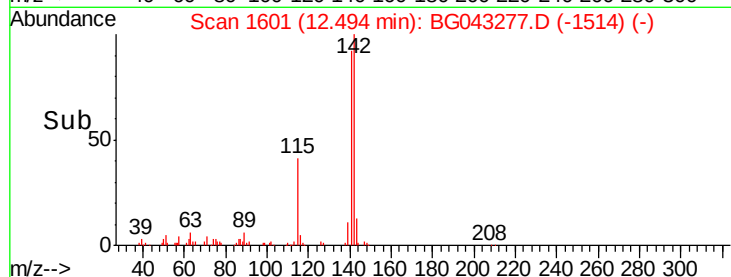
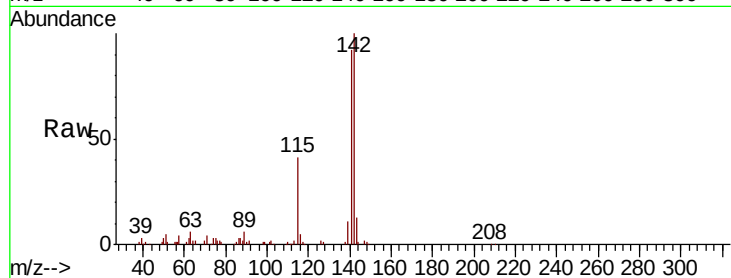
#37
2-Methylnaphthalene
Concen: 12.202 ng
RT: 12.49 min Scan# 1601
Delta R.T. -0.02 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Instrument :
BNA_G
ClientSampleId :
VNJ-209DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.4	69.0	103.4
115	41.1	32.8	49.2

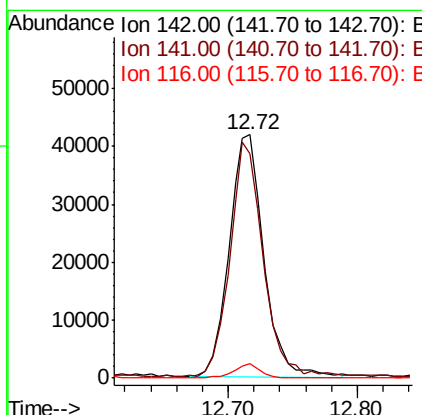
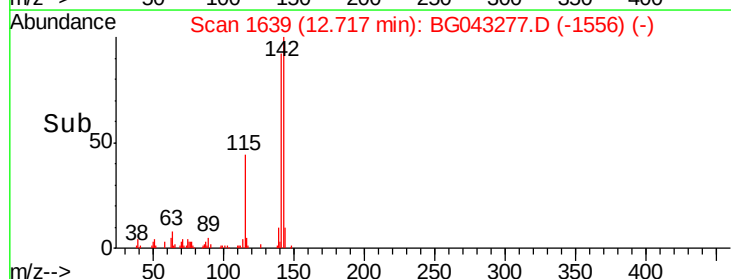
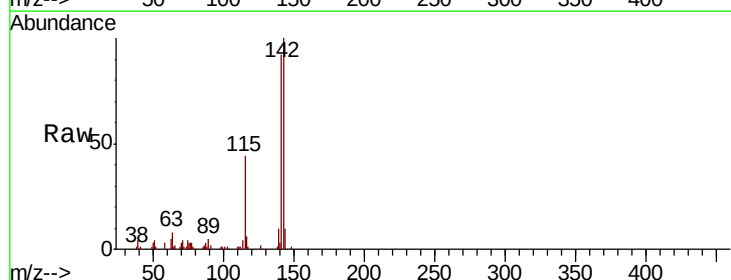
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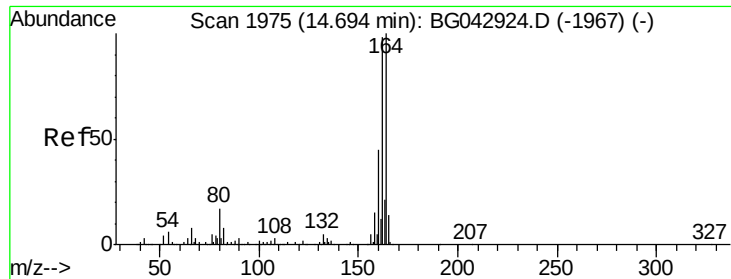
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#38
1-Methylnaphthalene
Concen: 10.296 ng m
RT: 12.72 min Scan# 1639
Delta R.T. -0.01 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	74.9	112.3
116	5.8	3.7	5.5#





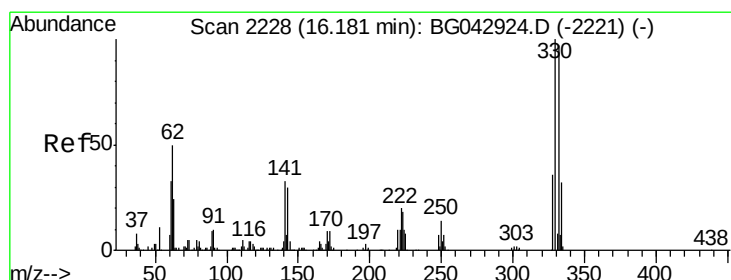
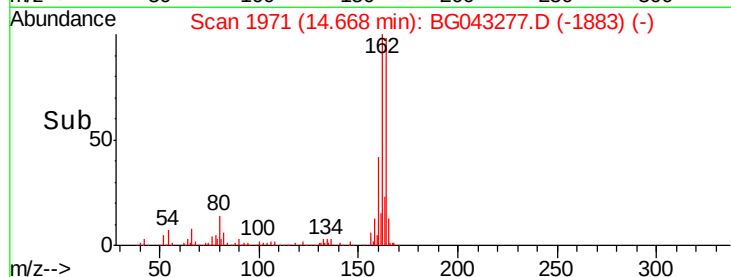
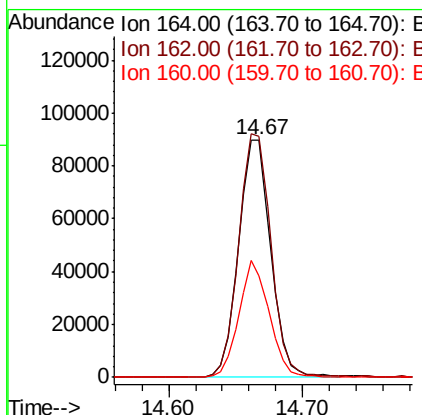
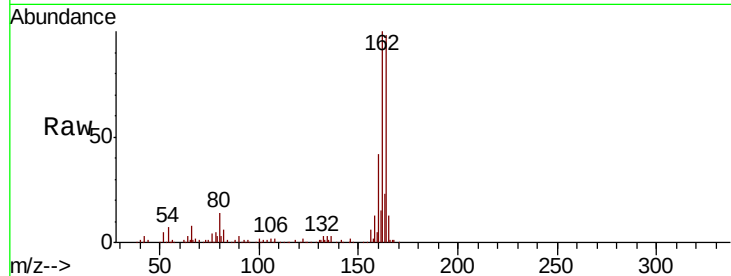
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.01 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Instrument :
BNA_G
ClientSampleId :
VNJ-209DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
164	100				
162	101.7	78.5	117.7		
160	42.6	35.9	53.9		

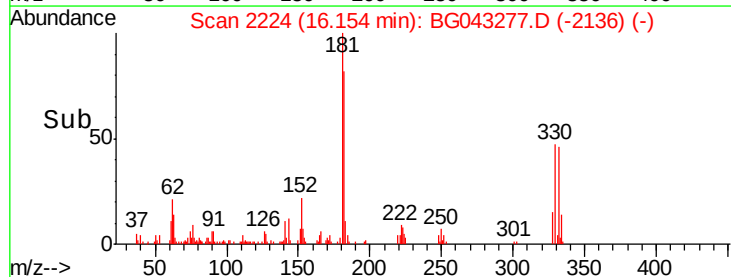
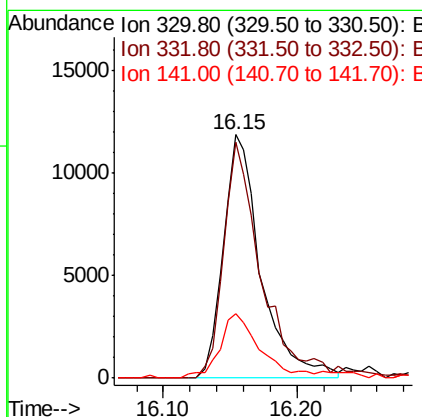
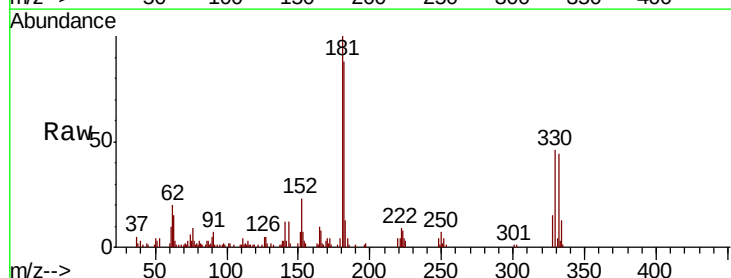
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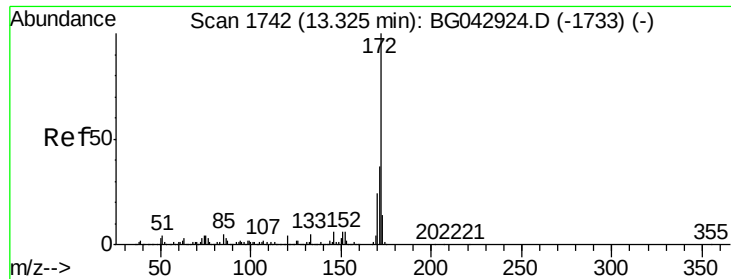
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#42
2,4,6-Tribromophenol
Concen: 9.058 ng
RT: 16.15 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
330	100				
332	99.2	78.2	117.2		
141	28.2	26.0	39.0		





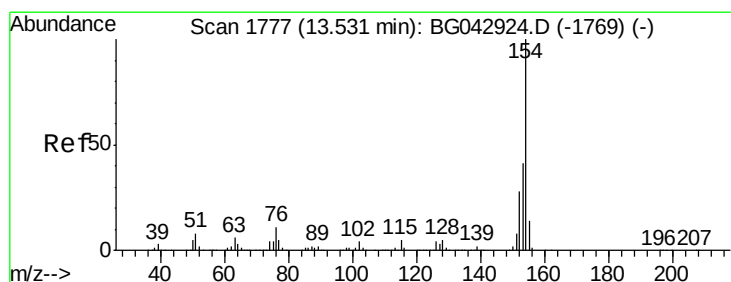
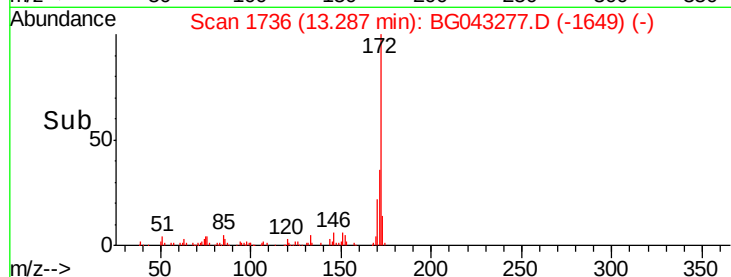
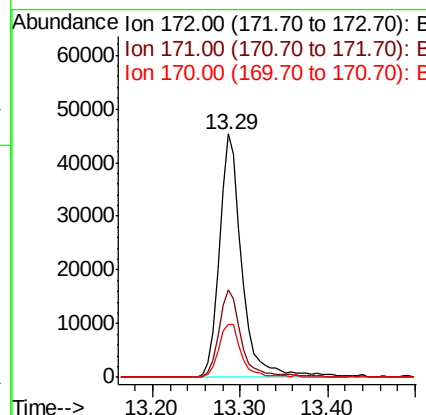
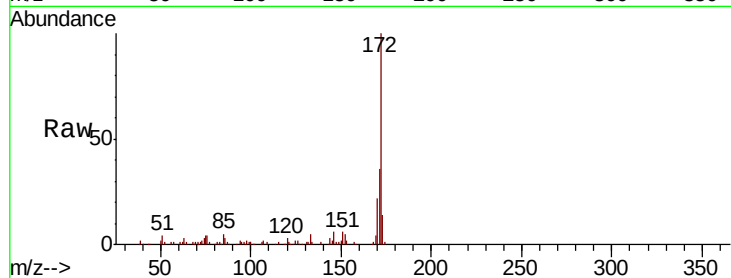
#45
2-Fluorobiphenyl
Concen: 7.834 ng
RT: 13.29 min Scan# 1736
Delta R.T. -0.02 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Instrument :
BNA_G
ClientSampleId :
VNJ-209DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	21.8	19.6	29.4

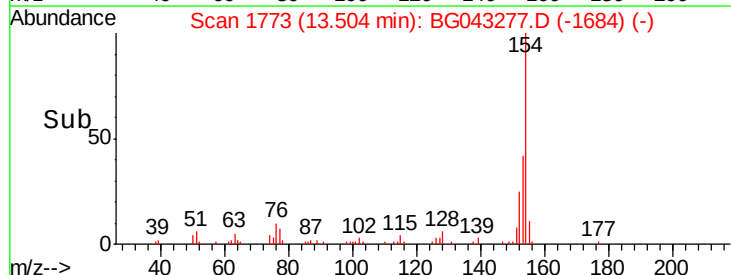
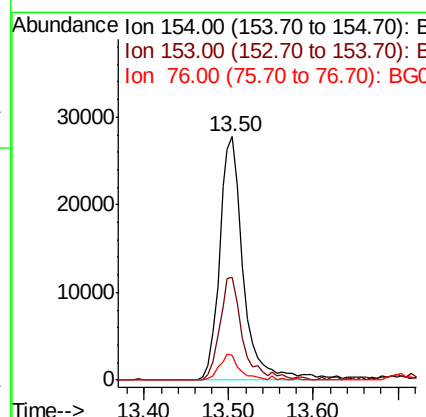
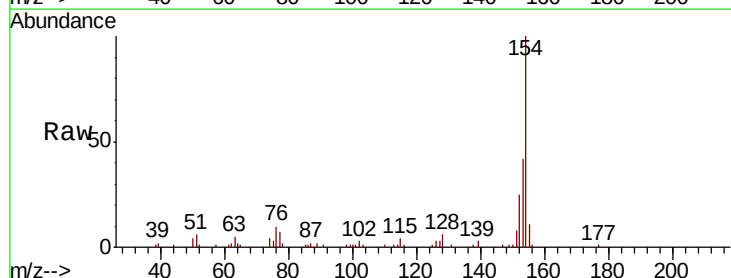
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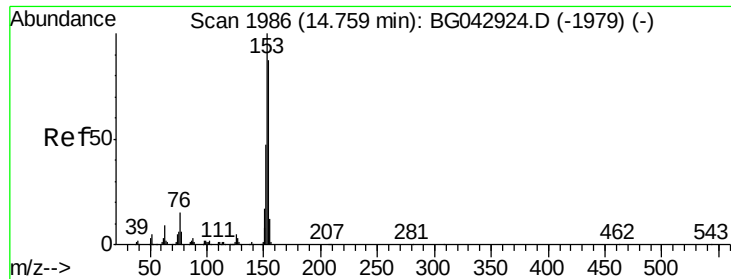
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#46
1,1'-Biphenyl
Concen: 4.831 ng
RT: 13.50 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.0	21.4	61.4
76	10.1	0.0	31.3





#52

Acenaphthene

Concen: 14.716 ng

RT: 14.73 min Scan# 1981

Delta R.T. -0.02 min

Lab File: BG043277.D

Acq: 18 Oct 2019 00:46

Instrument :

BNA_G

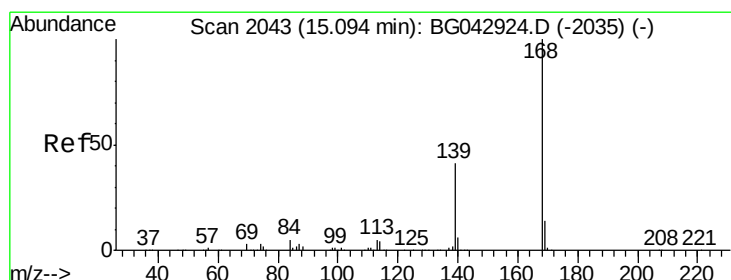
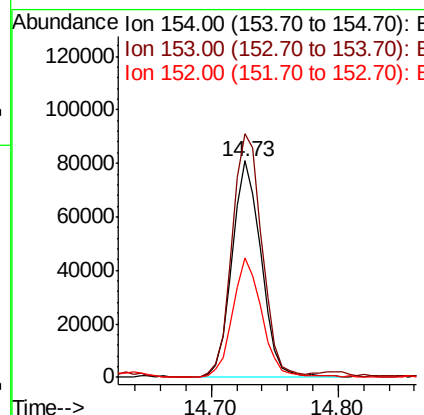
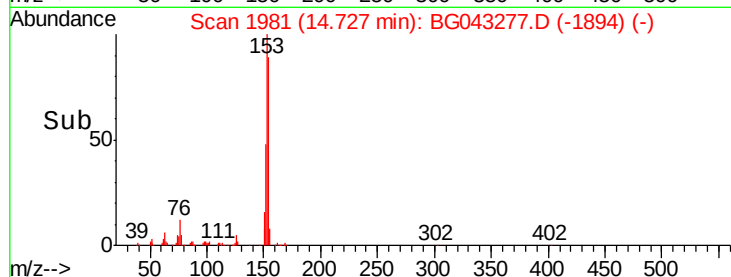
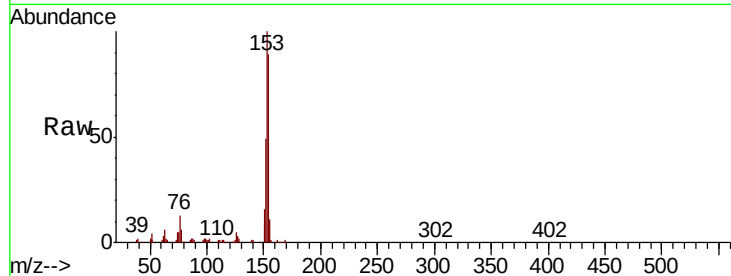
ClientSampleId :

VNJ-209DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.6	91.4	137.0
152	55.0	42.8	64.2

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#55

Dibenzofuran

Concen: 20.056 ng

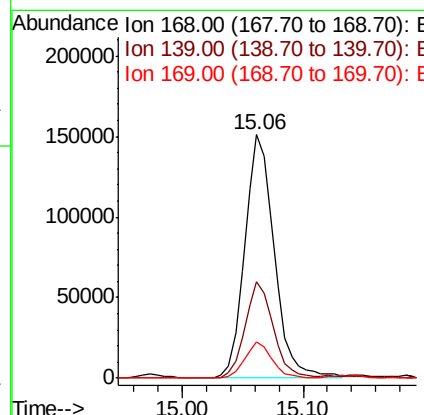
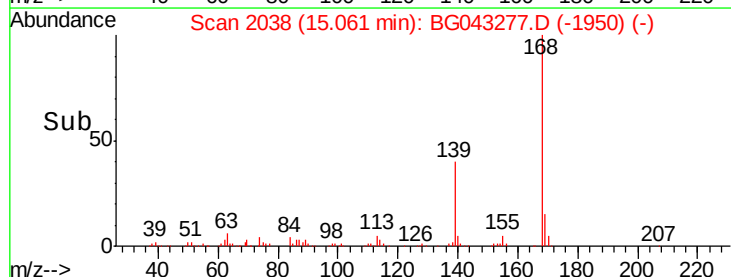
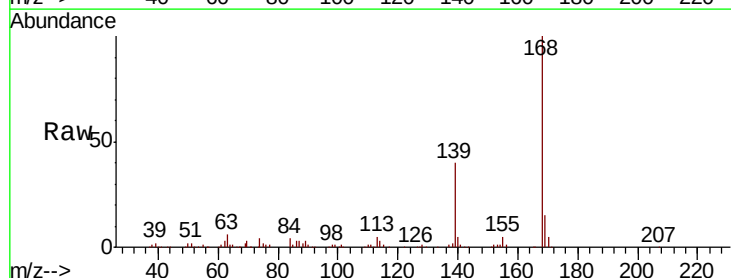
RT: 15.06 min Scan# 2038

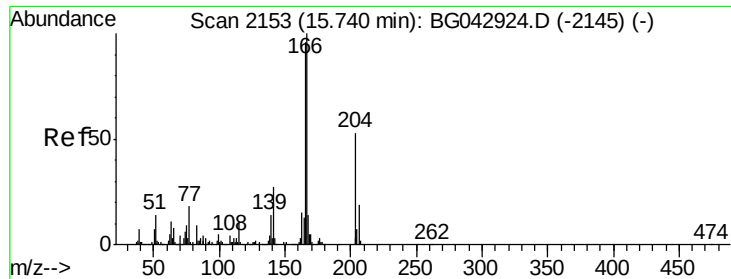
Delta R.T. -0.01 min

Lab File: BG043277.D

Acq: 18 Oct 2019 00:46

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.6	32.6	48.8
169	15.0	11.2	16.8





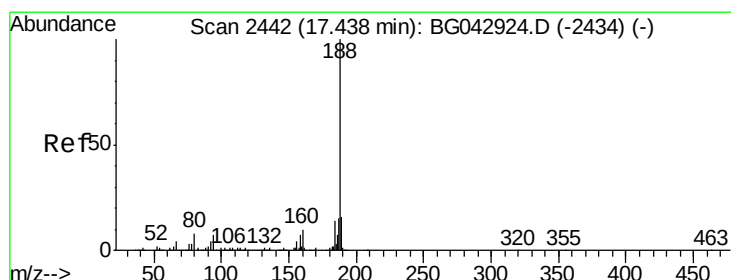
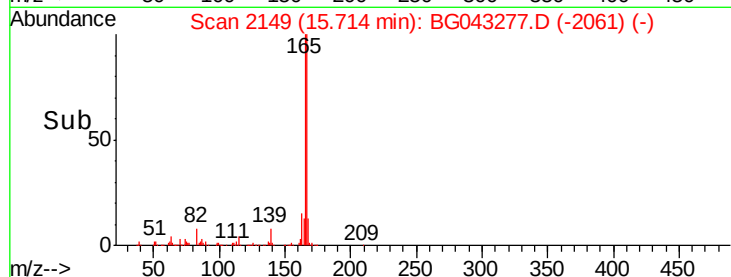
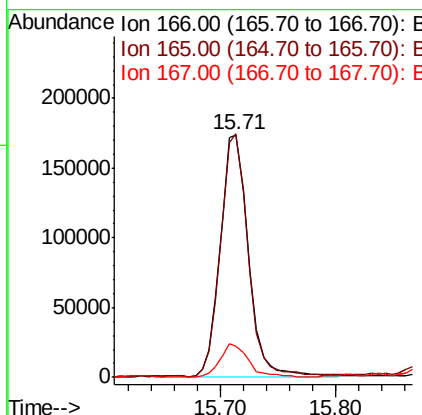
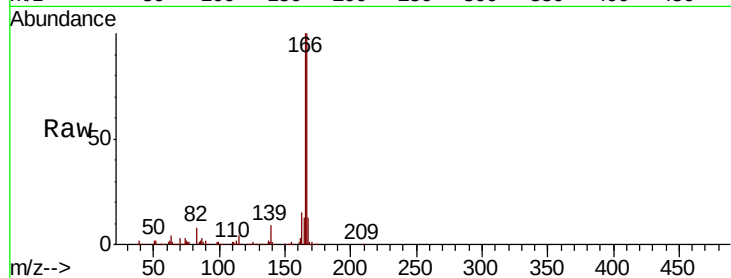
#58
 Fluorene
 Concen: 26.539 ng
 RT: 15.71 min Scan# 2149
 Delta R.T. -0.01 min
 Lab File: BG043277.D
 Acq: 18 Oct 2019 00:46

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-209DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.4	77.1	115.7
167	13.0	11.0	16.6

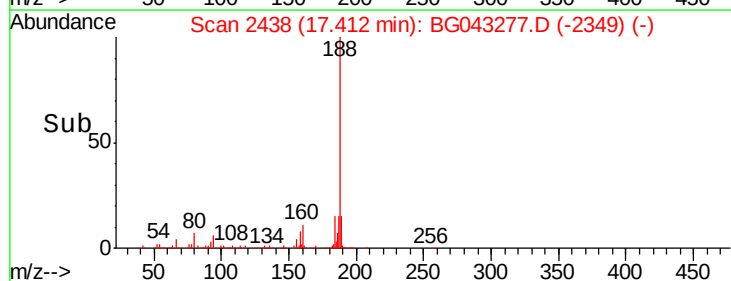
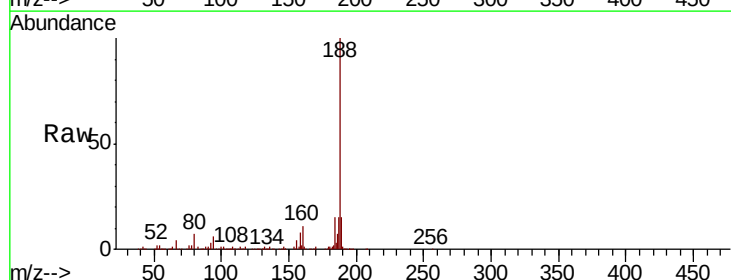
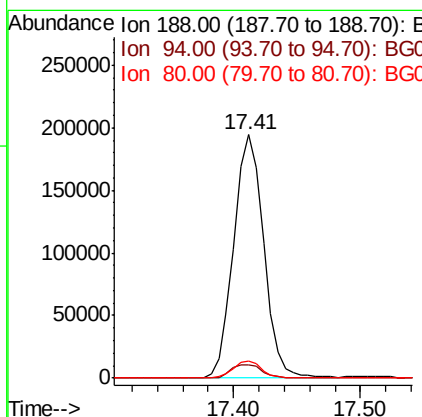
Manual Integrations
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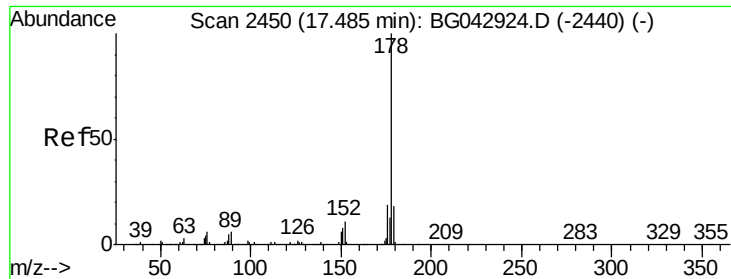
mohammad
 10/20/2019 8:12:13 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.41 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: BG043277.D
 Acq: 18 Oct 2019 00:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.6	5.7	8.5#
80	7.0	6.5	9.7





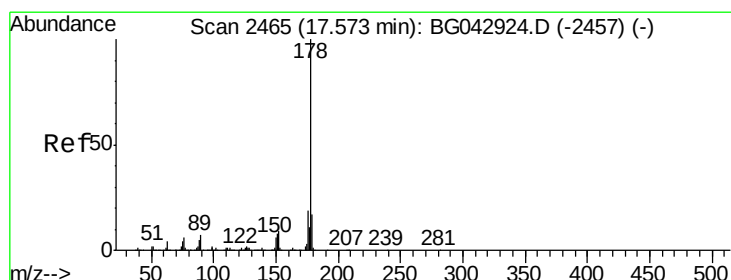
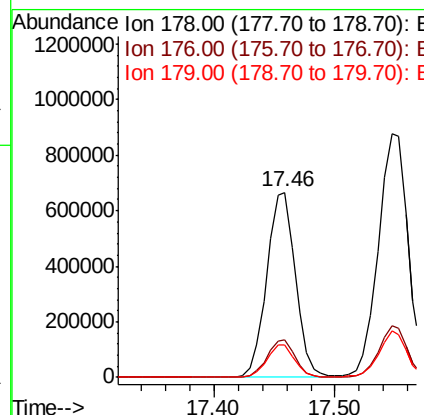
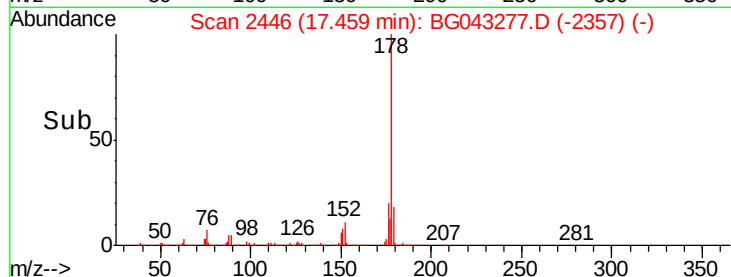
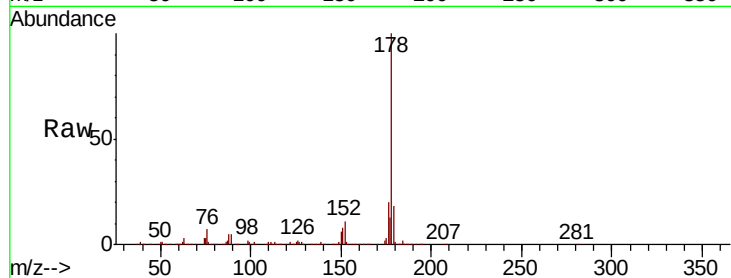
#71
Phenanthrene
Concen: 70.068 ng
RT: 17.46 min Scan# 2446
Delta R.T. -0.01 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Instrument :
BNA_G
ClientSampleId :
VNJ-209DL

Tot Ion:178 Resp: 1094330
Ion Ratio Lower Upper
178 100
176 20.3 15.1 22.7
179 17.7 14.1 21.1

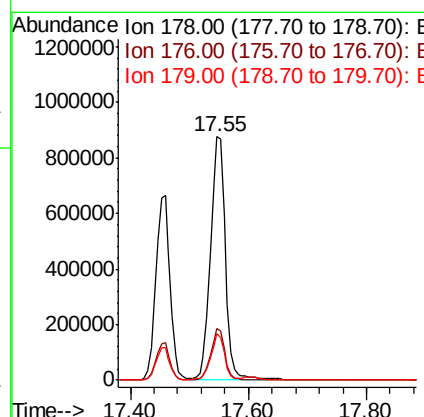
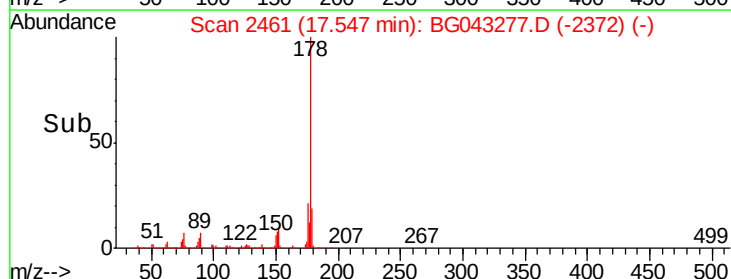
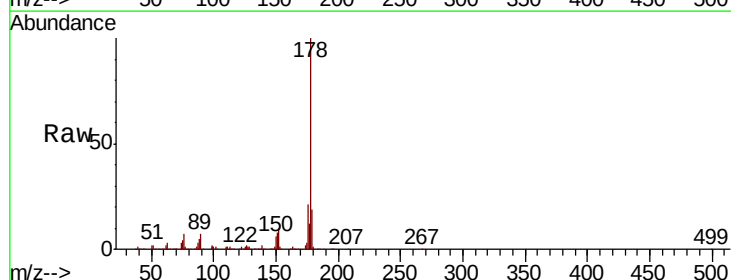
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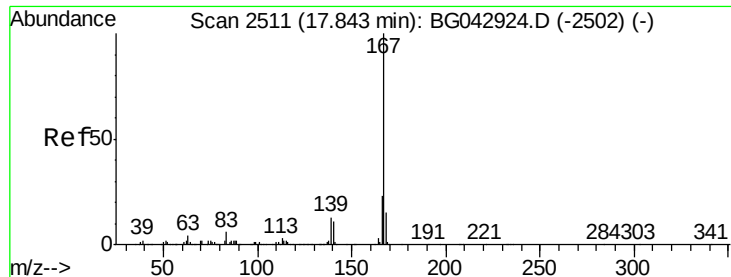
mohammad
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#72
Anthracene
Concen: 98.883 ng
RT: 17.55 min Scan# 2461
Delta R.T. -0.01 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Tgt Ion:178 Resp: 1541764
Ion Ratio Lower Upper
178 100
176 21.5 15.5 23.3
179 18.9 13.5 20.3





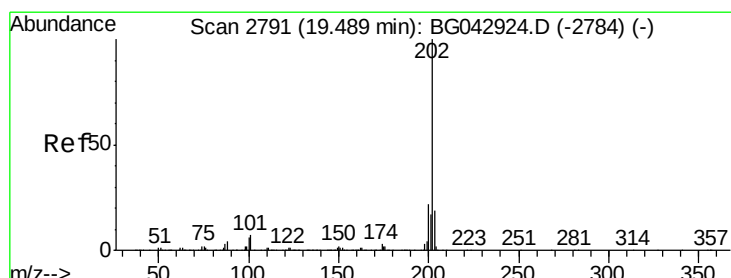
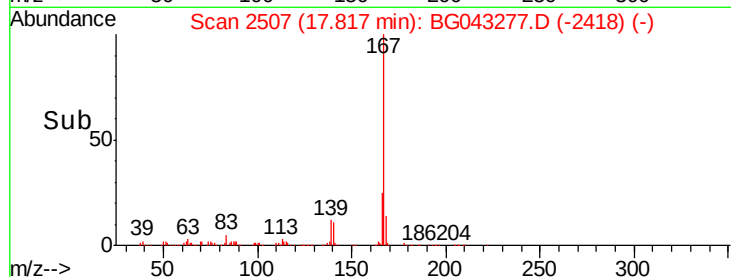
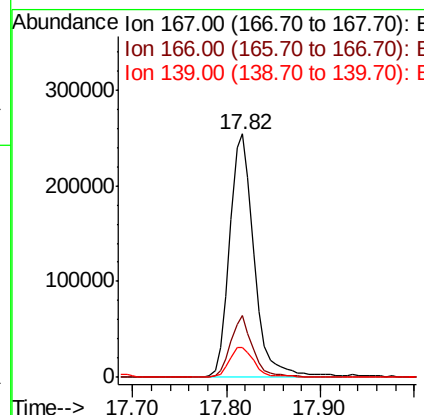
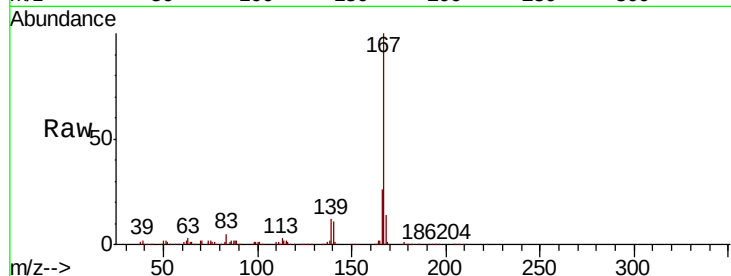
#73
 Carbazole
 Concen: 31.883 ng
 RT: 17.82 min Scan# 2507
 Delta R.T. -0.01 min
 Lab File: BG043277.D
 Acq: 18 Oct 2019 00:46

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-209DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.5	18.6	28.0
139	12.5	10.8	16.2

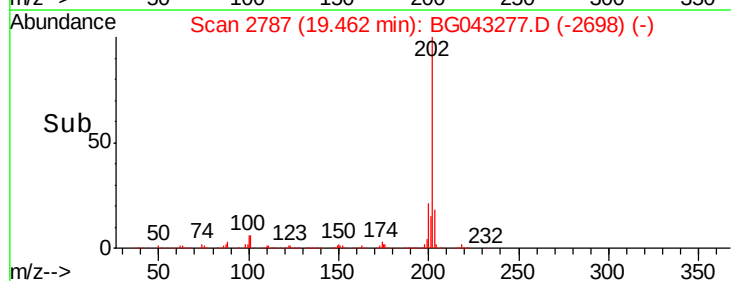
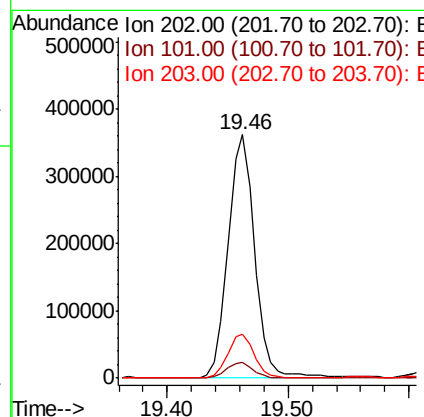
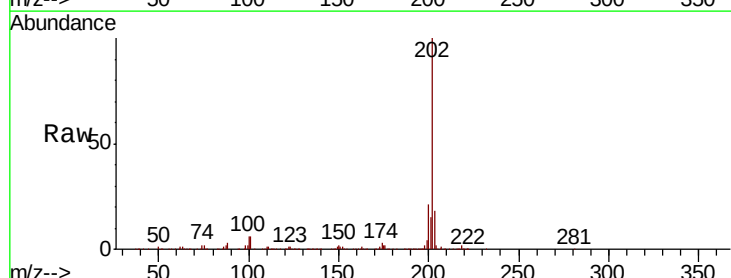
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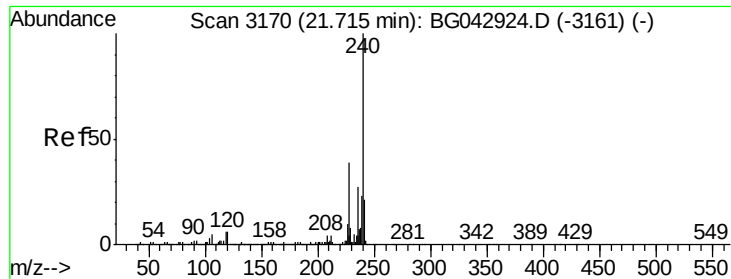
mohammad
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#75
 Fluoranthene
 Concen: 26.755 ng
 RT: 19.46 min Scan# 2787
 Delta R.T. -0.01 min
 Lab File: BG043277.D
 Acq: 18 Oct 2019 00:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.5	0.0	27.3
203	17.9	0.0	39.5





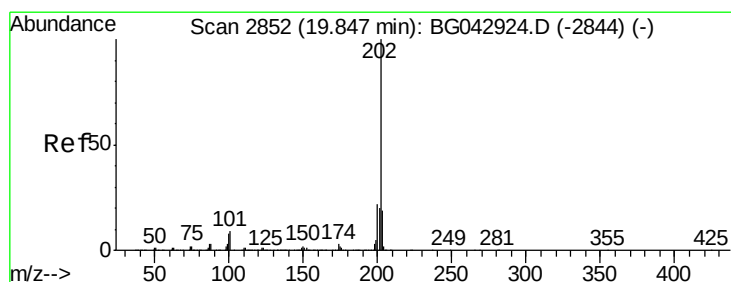
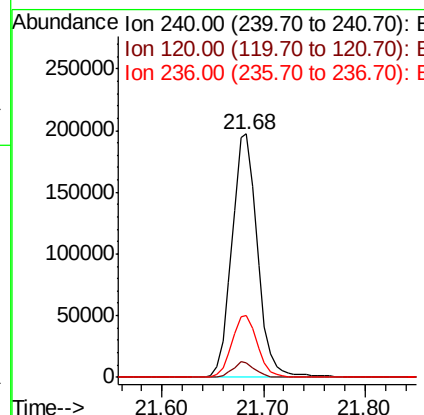
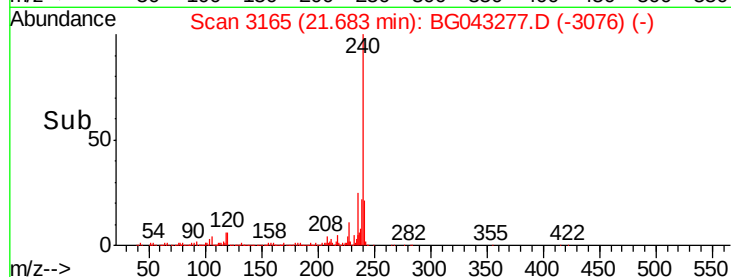
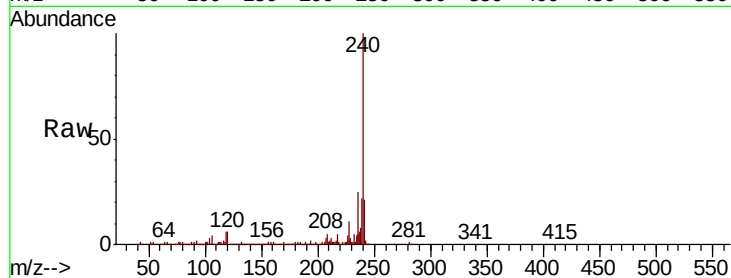
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.68 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Instrument :
BNA_G
ClientSampleID :
VNJ-209DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.0	4.8	7.2
236	25.4	21.4	32.0

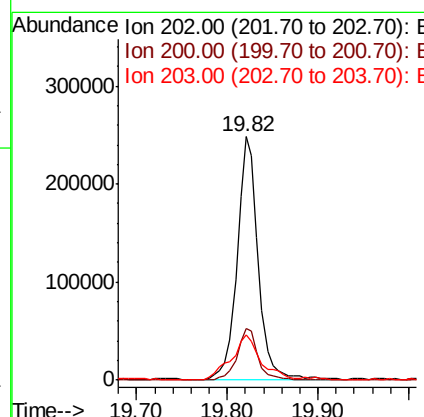
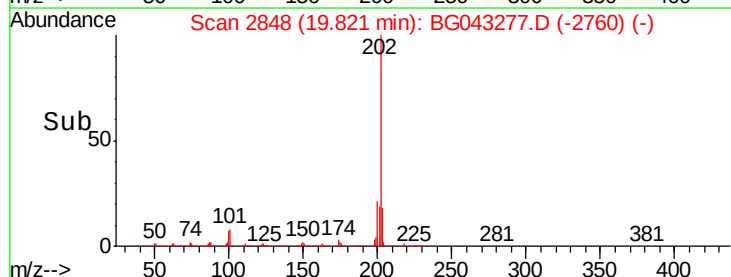
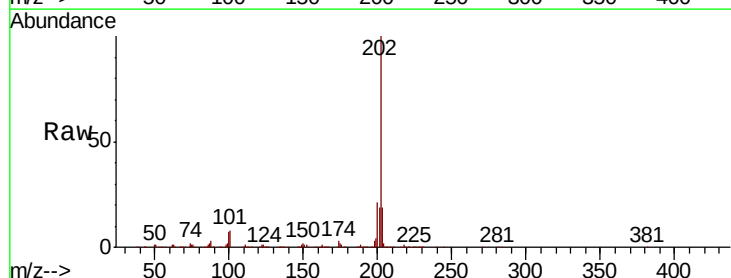
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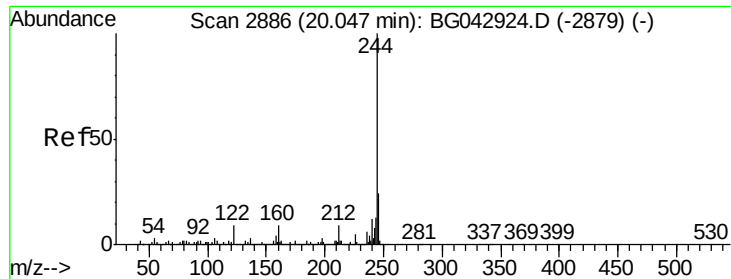
mohammad
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#78
Pyrene
Concen: 19.425 ng
RT: 19.82 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	18.6	15.2	22.8





#79

Terphenyl-d14

Concen: 8.465 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG043277.D

Acq: 18 Oct 2019 00:46

Instrument :

BNA_G

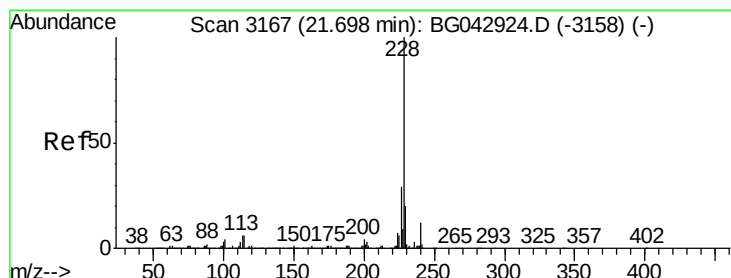
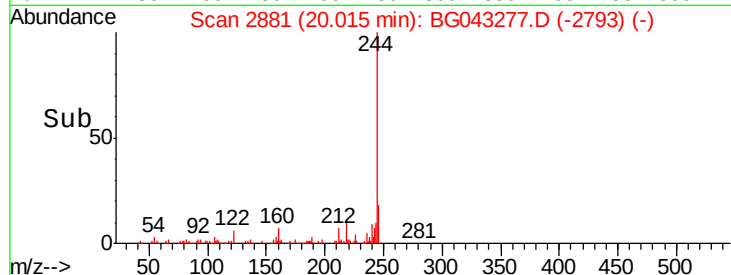
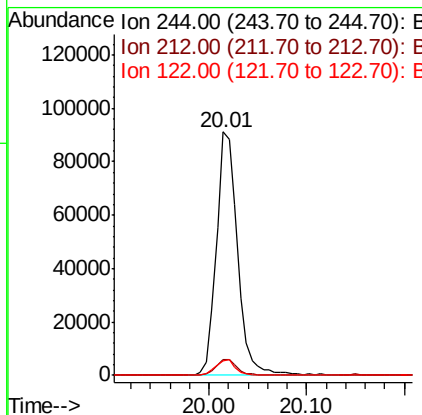
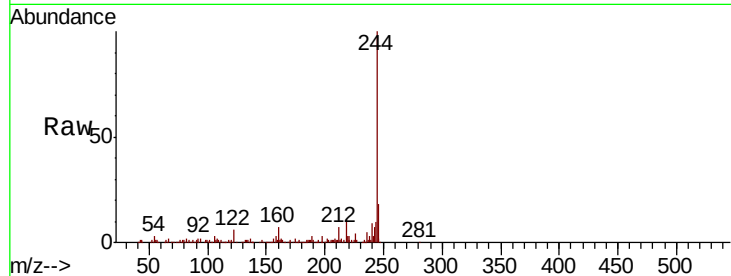
ClientSampleId :

VNJ-209DL

Tot Ion:	244	Resp:	137336
Ion Ratio	Lower	Upper	
244	100		
212	6.5	7.4	11.0#
122	5.7	7.0	10.4#

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 7.372 ng

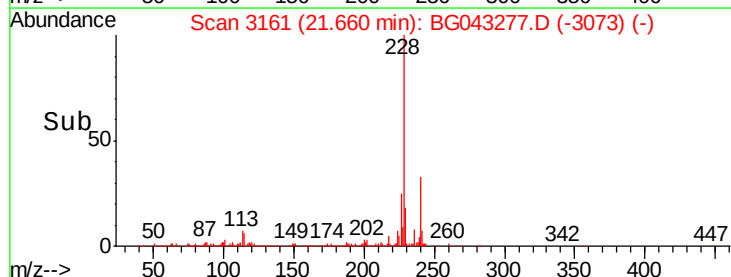
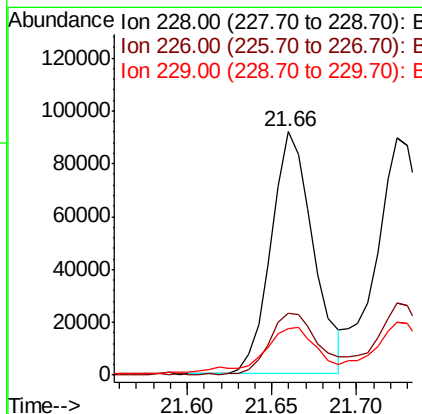
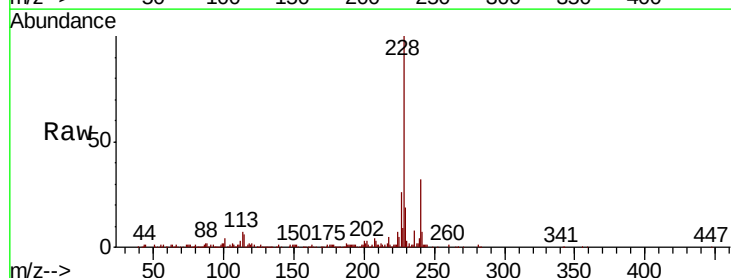
RT: 21.66 min Scan# 3161

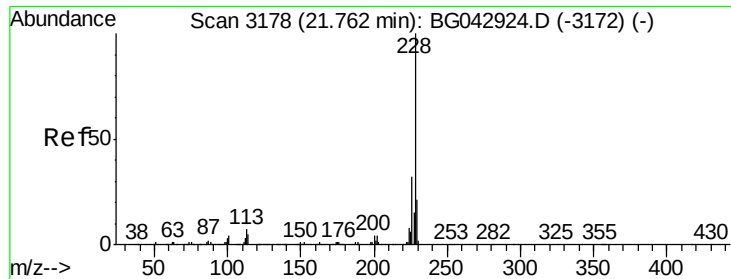
Delta R.T. -0.01 min

Lab File: BG043277.D

Acq: 18 Oct 2019 00:46

Tgt Ion:	228	Resp:	158785
Ion Ratio	Lower	Upper	
228	100		
226	25.5	23.0	34.4
229	18.9	16.3	24.5





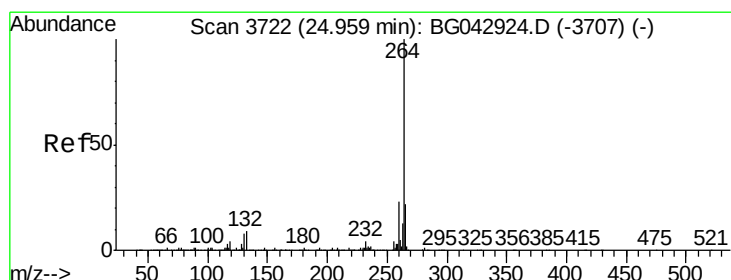
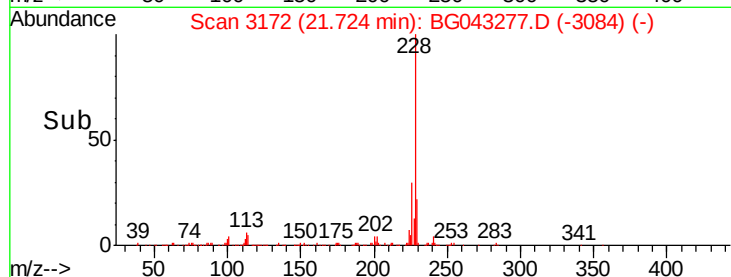
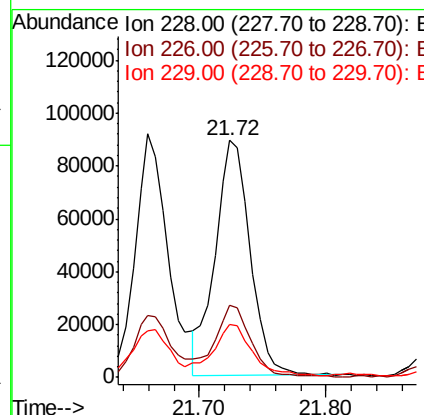
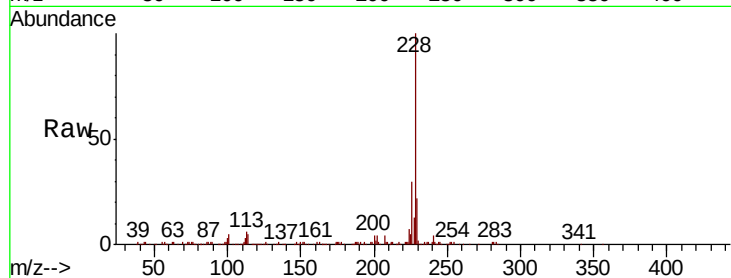
#83
Chrysene
Concen: 8.176 ng
RT: 21.72 min Scan# 3172
Delta R.T. -0.01 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Instrument :
BNA_G
ClientSampleId :
VNJ-209DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.6	38.4
229	22.4	16.9	25.3

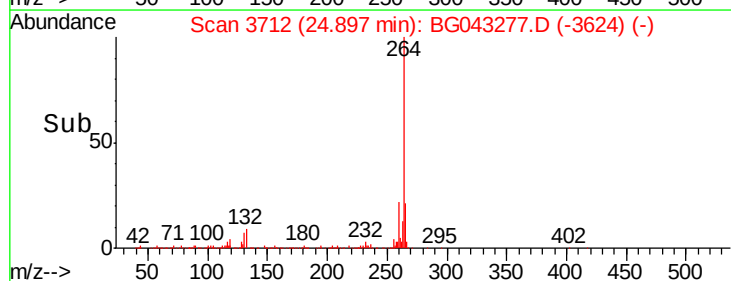
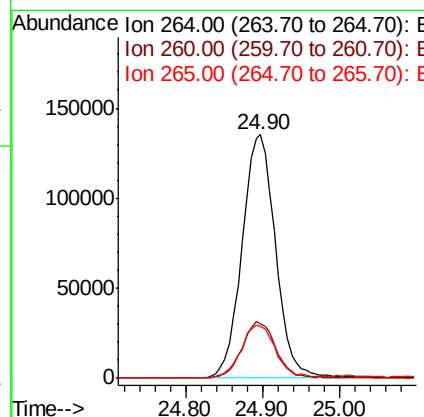
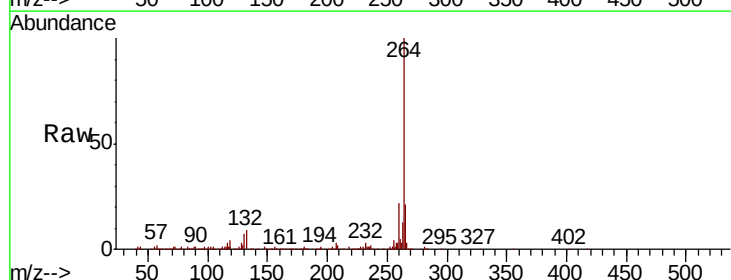
Manual Integrations
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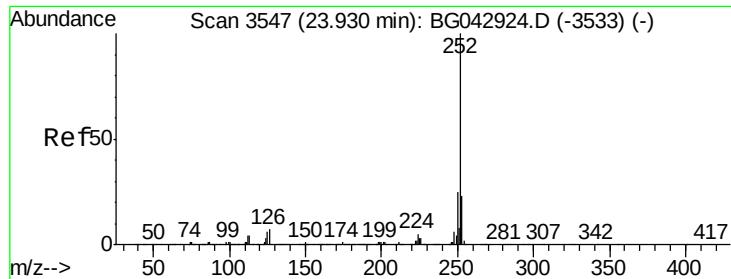
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 24.90 min Scan# 3712
Delta R.T. -0.01 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.3	18.7	28.1
265	21.4	17.7	26.5





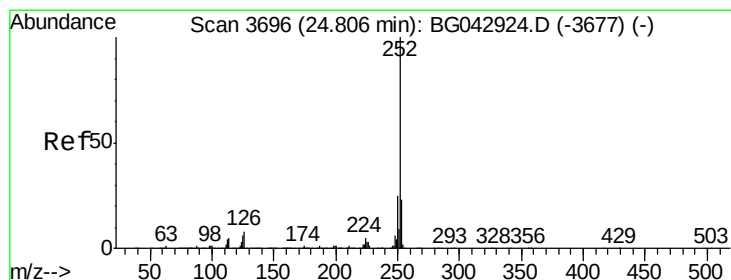
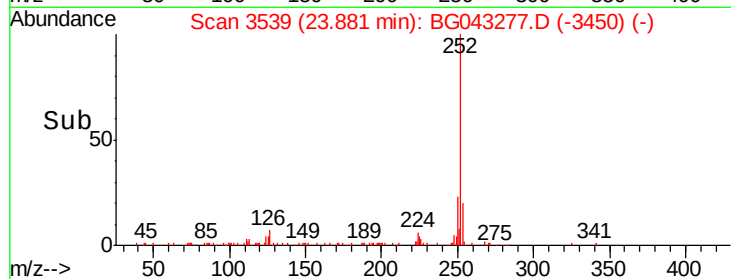
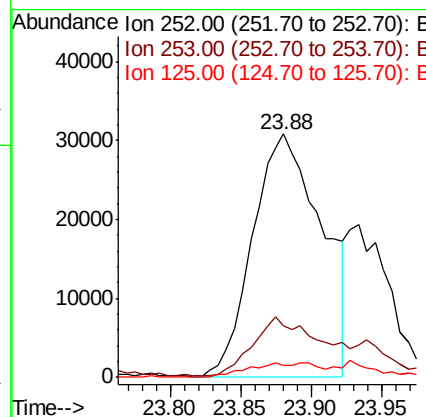
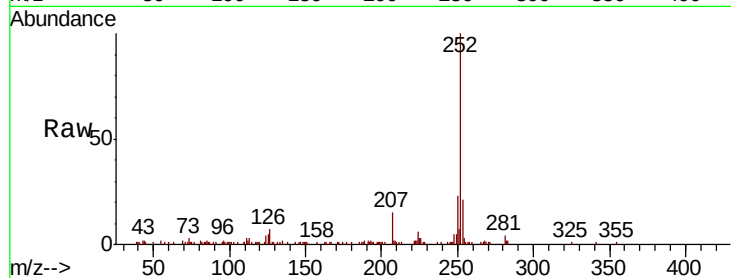
#88
Benzo(b)fluoranthene
Concen: 4.533 ng
RT: 23.88 min Scan# 3539
Delta R.T. -0.01 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Instrument :
BNA_G
ClientSampleId :
VNJ-209DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.2	27.2
125	5.1	4.6	7.0

Manual Integrations
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#90
Benzo(a)pyrene
Concen: 3.647 ng
RT: 24.74 min Scan# 3685
Delta R.T. -0.02 min
Lab File: BG043277.D
Acq: 18 Oct 2019 00:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.1	18.2	27.4
125	6.8	5.0	7.6

