

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022218\
 Data File : BF103165.D
 Acq On : 22 Feb 2018 16:37
 Operator : SJ/JU
 Sample : J1638-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-4-DENSE-GRADE-AGG-RCA

Manual Integrations
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Sohil
 2/23/2018 10:20:37 AM

Quant Time: Feb 23 10:00:41 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 22 14:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	179525	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	751649	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	322373	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	492685	20.00	ng	0.00
75) Chrysene-d12	14.04	240	300937	20.00	ng	0.00
86) Perylene-d12	15.54	264	327674	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	873506	73.59	ng	0.00
7) Phenol-d6	6.50	99	1186933	81.72	ng	0.00
23) Nitrobenzene-d5	7.43	82	781762	59.40	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	115863	42.46	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1226536	61.22	ng	0.00
78) Terphenyl-d14	12.99	244	837089	66.87	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.62	163	121221	4.687	ng	99
59) Diethylphthalate	10.32	149	66699	2.697	ng	96
70) Phenanthrene	11.42	178	156987	5.790	ng	98
74) Fluoranthene	12.62	202	184189	6.760	ng	98
77) Pyrene	12.84	202	153771	6.554	ng	99
80) Benzo(a)anthracene	14.04	228	85979	4.403	ng	98
82) Chrysene	14.07	228	81353	4.291	ng	96
85) Indeno(1,2,3-cd)pyrene	17.06	276	47075	3.136	ng	99
87) Benzo(b)fluoranthene	15.11	252	101869m	4.728	ng	
88) Benzo(k)fluoranthene	15.13	252	56462m	2.783	ng	
89) Benzo(a)pyrene	15.48	252	76980	4.001	ng	# 83
91) Benzo(a,h,i)perylene	17.52	276	39846	2.742	ng	# 82

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

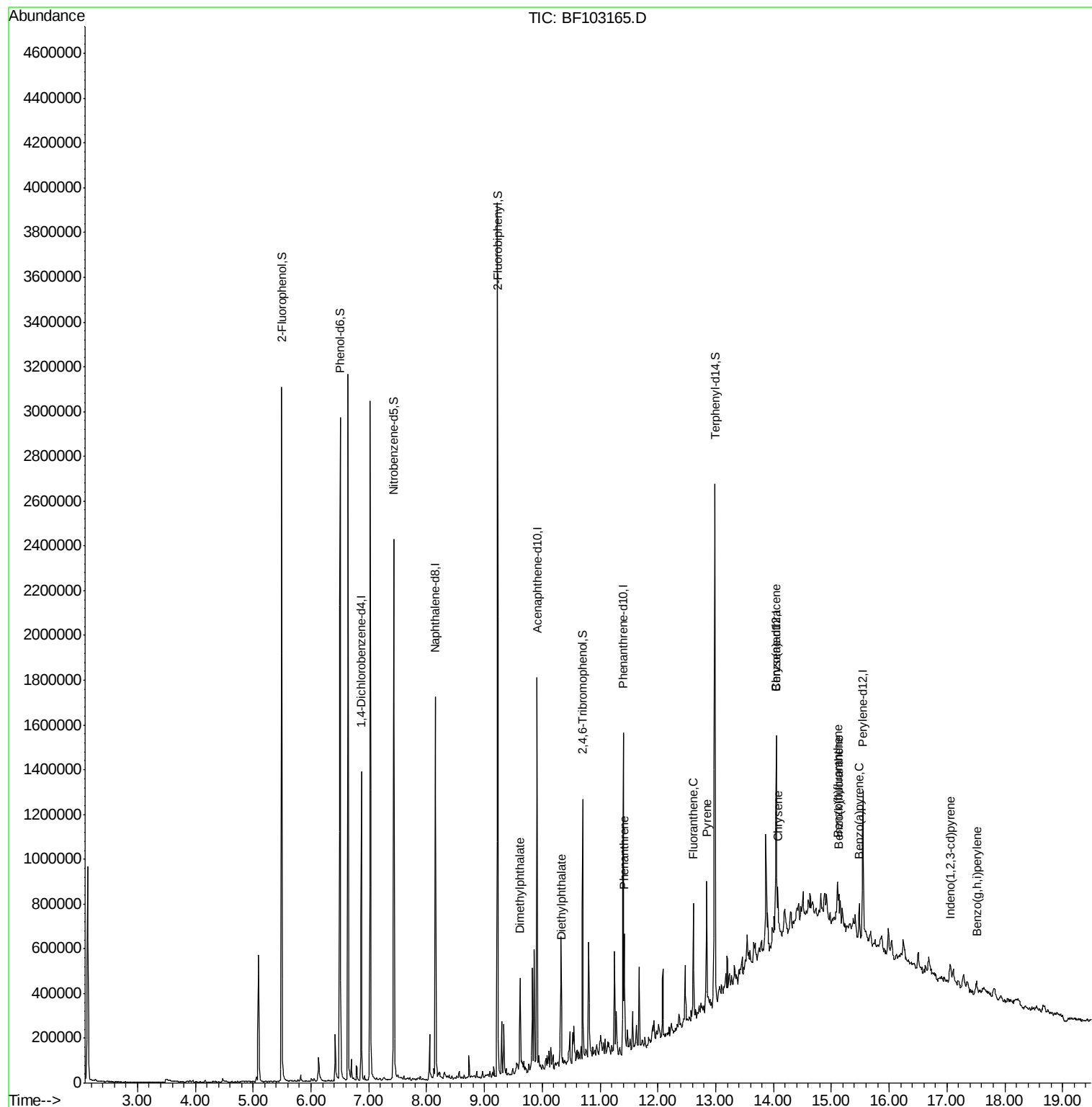
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022218\
Data File : BF103165.D
Acq On : 22 Feb 2018 16:37
Operator : SJ/JU
Sample : J1638-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

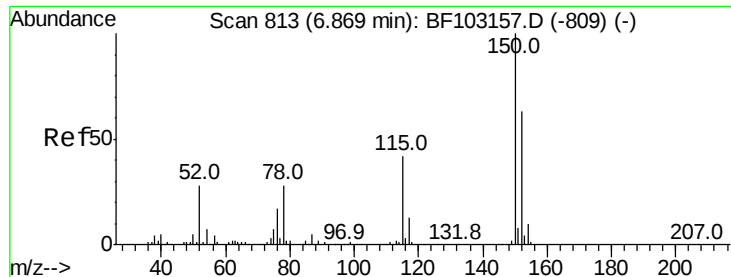
Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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#1

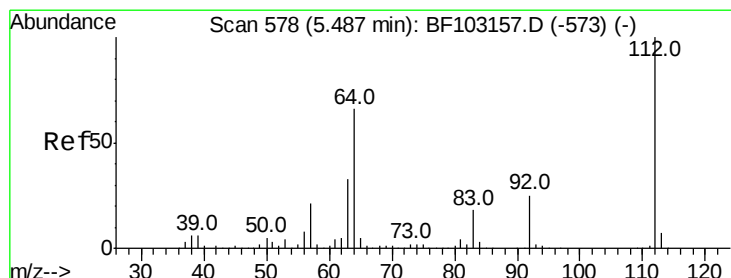
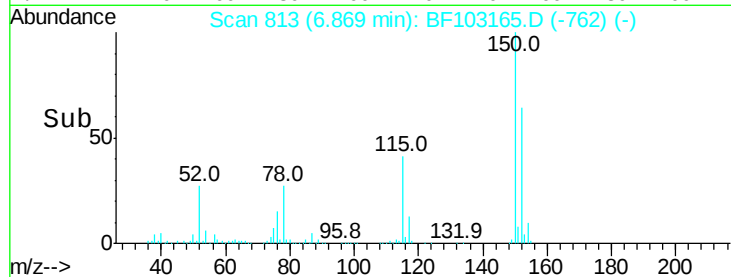
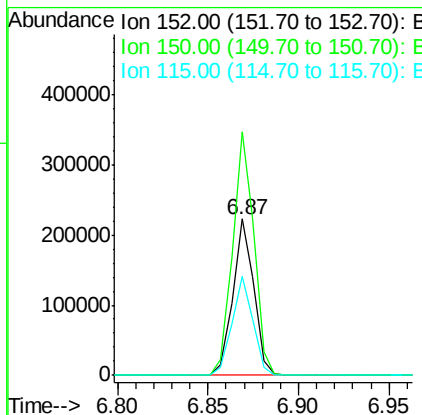
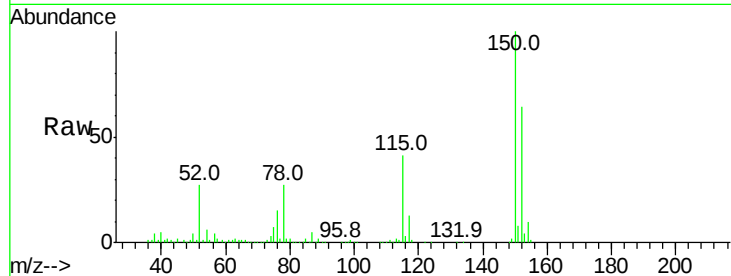
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	63.5	50.1	75.1

Manual Integrations
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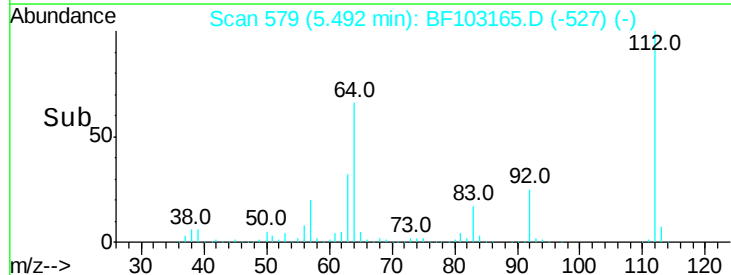
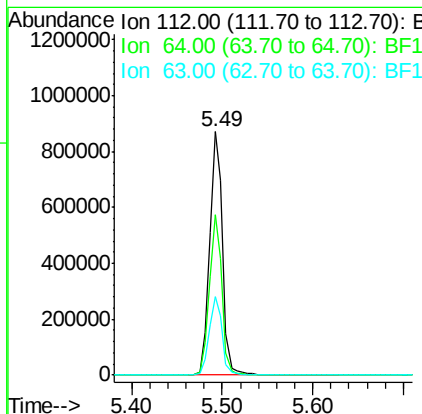
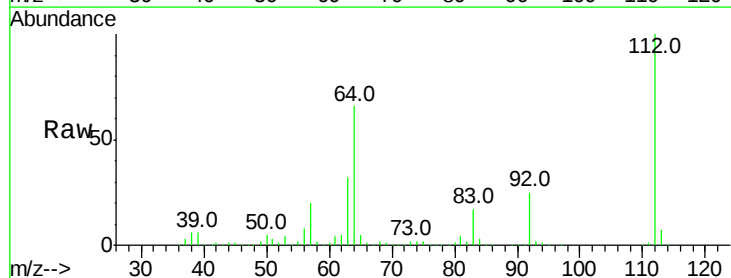
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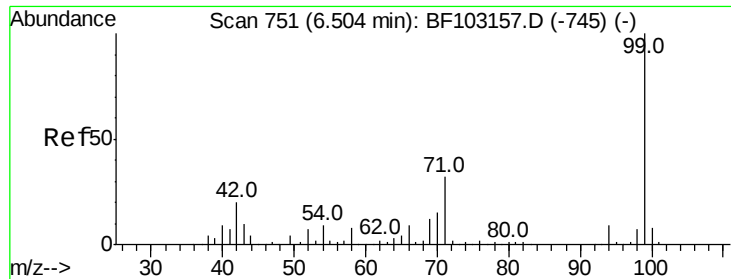


#5

2-Fluorophenol
Concen: 73.589 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	47.9	71.9
63	32.5	23.7	35.5





#7

Phenol-d6

Concen: 81.718 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

Instrument :

BNA_F

ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

Tot Ion: 99 Resp: 1186933

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

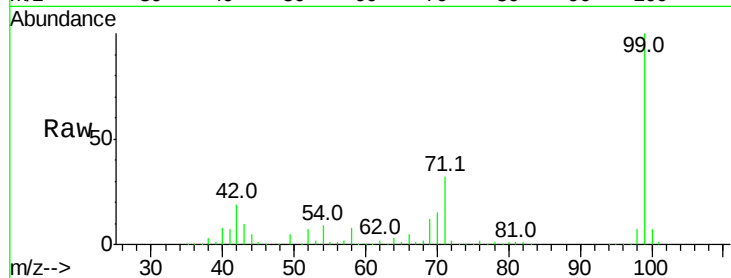
71 32.2 25.4 38.0

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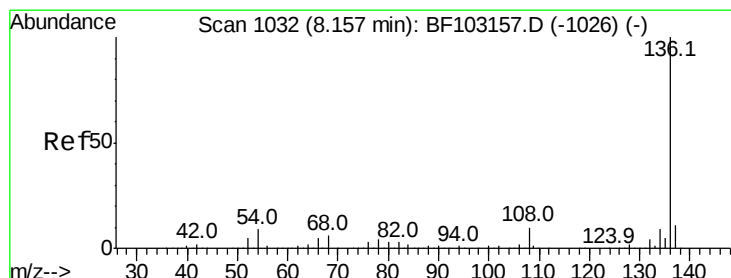
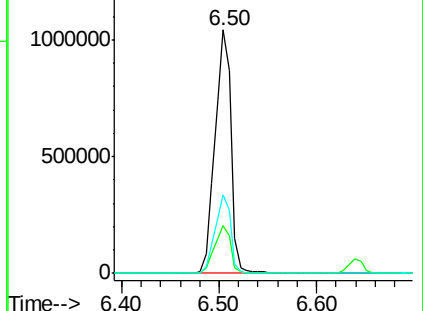
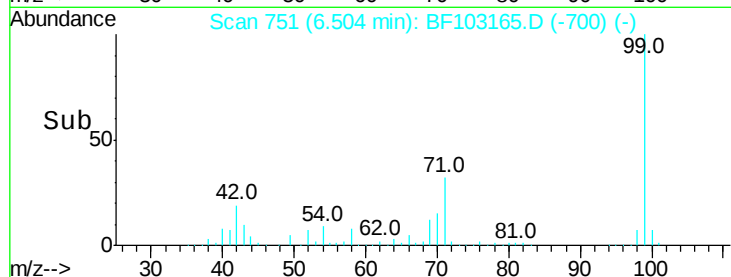
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

Tgt Ion: 136 Resp: 751649

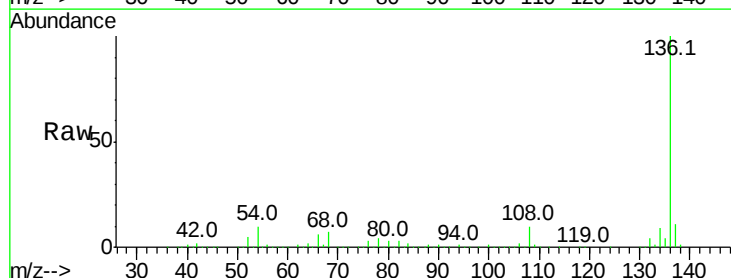
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.7 6.6 9.8

68 6.6 5.0 7.4

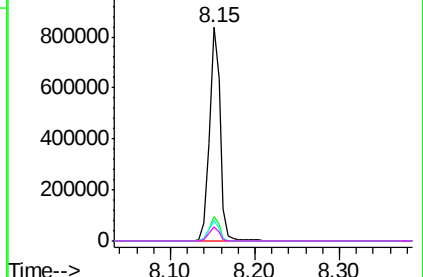
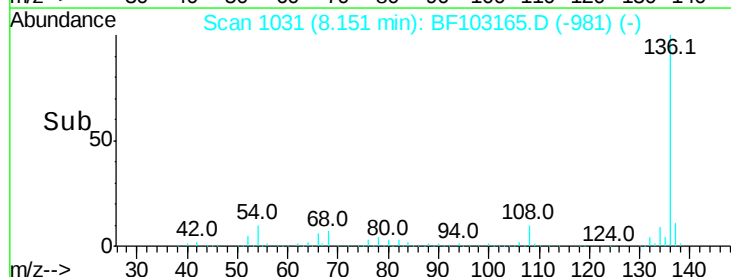


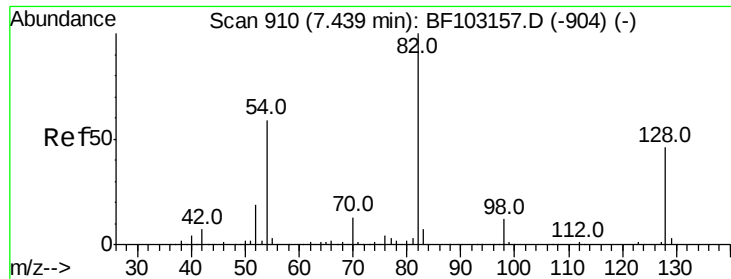
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





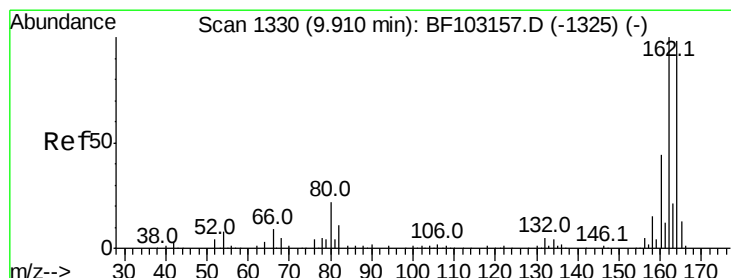
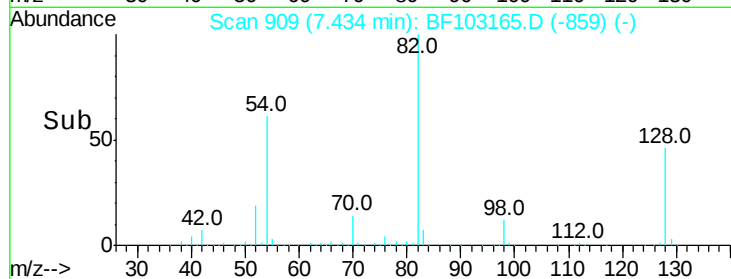
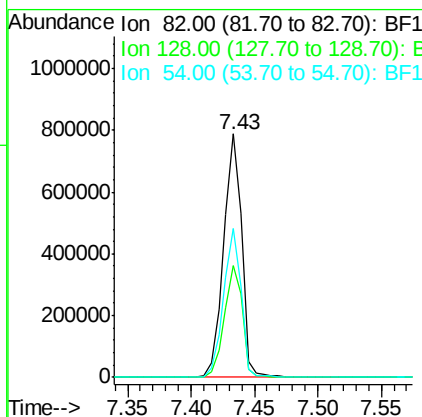
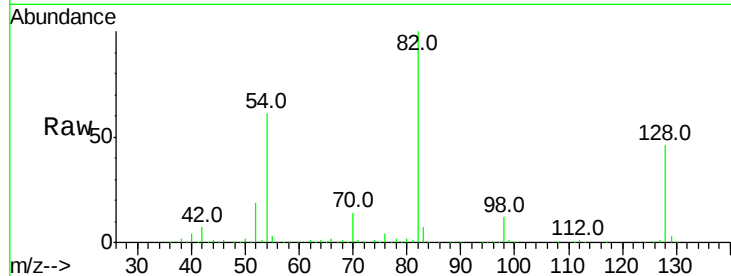
#23
 Nitrobenzene-d5
 Concen: 59.396 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103165.D
 Acq: 22 Feb 2018 16:37

Instrument :
 BNA_F
 ClientSampleId :
 3-4-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	60.9	41.4	62.2

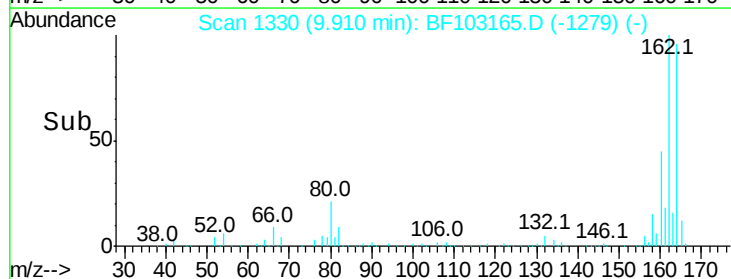
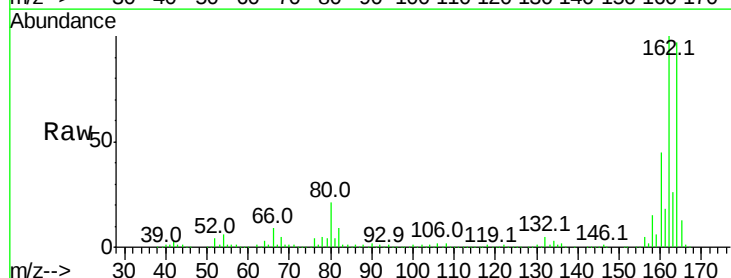
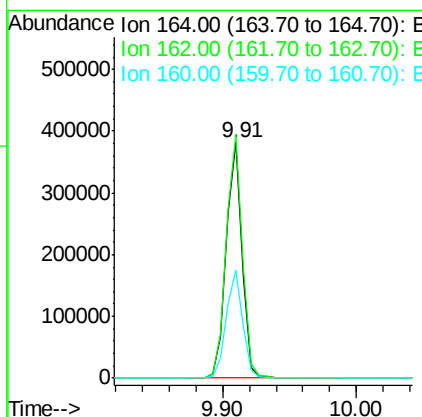
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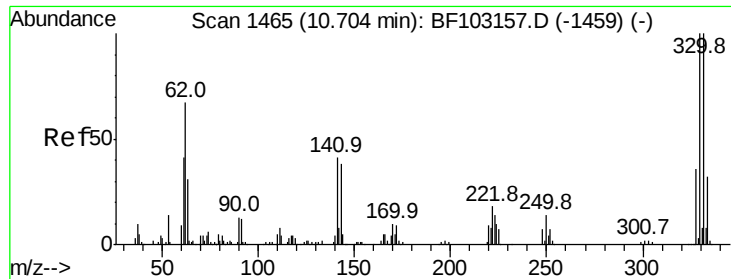
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: BF103165.D
 Acq: 22 Feb 2018 16:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	46.0	38.3	57.5





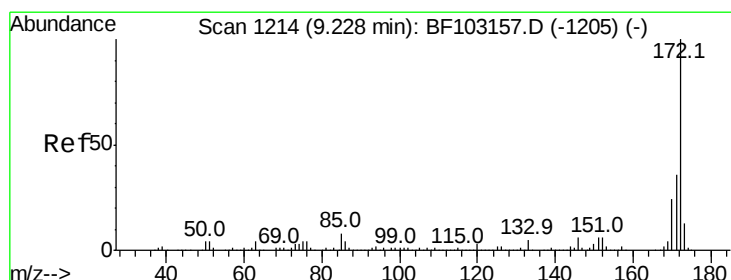
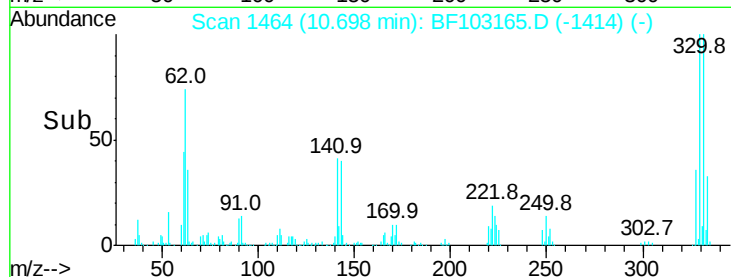
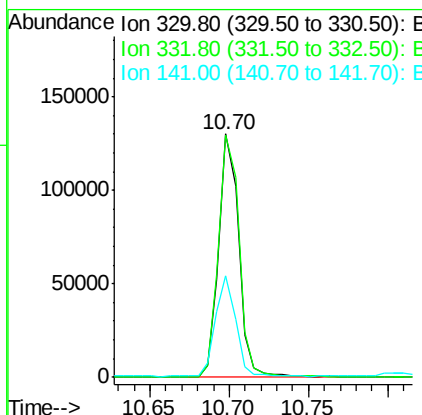
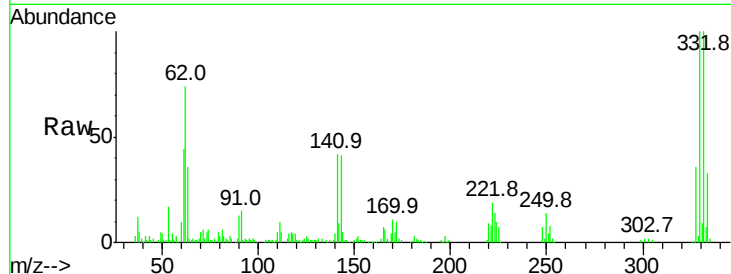
#41
 2,4,6-Tribromophenol
 Concen: 42.461 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103165.D
 Acq: 22 Feb 2018 16:37

Instrument :
 BNA_F
 ClientSampleId :
 3-4-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.1	77.0	115.6
141	41.9	29.9	44.9

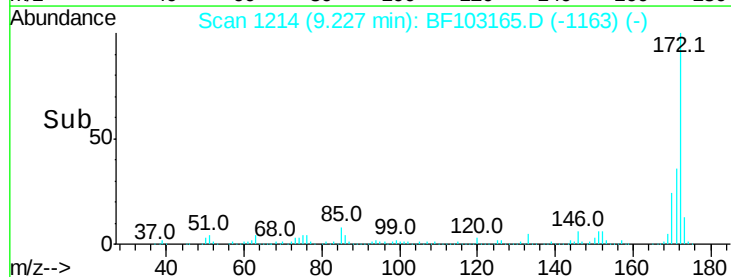
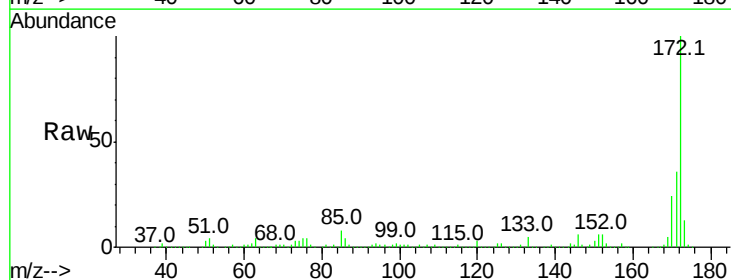
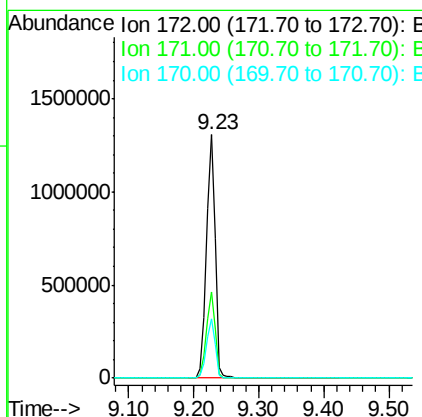
Manual Integrations
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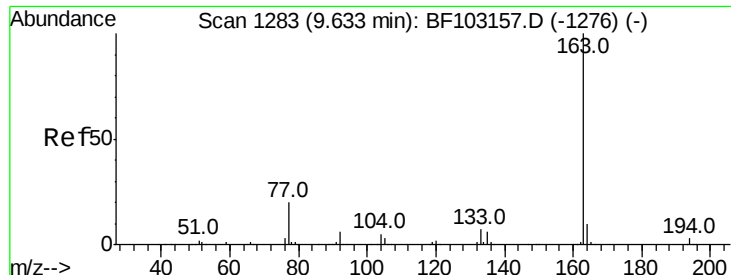
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#44
 2-Fluorobiphenyl
 Concen: 61.223 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103165.D
 Acq: 22 Feb 2018 16:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	24.4	19.6	29.4





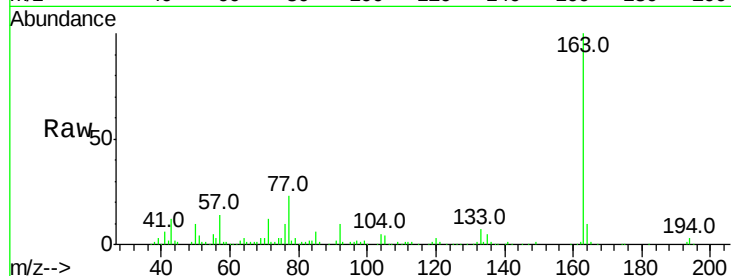
#49
Dimethylphthalate
Concen: 4.687 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

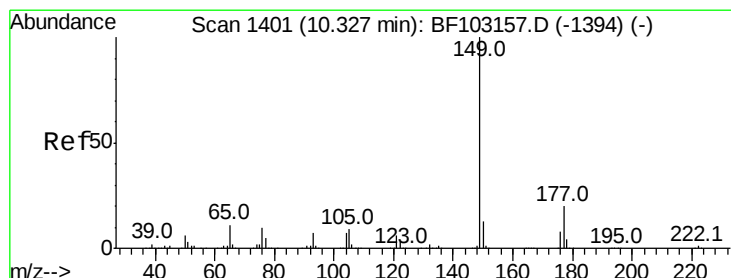
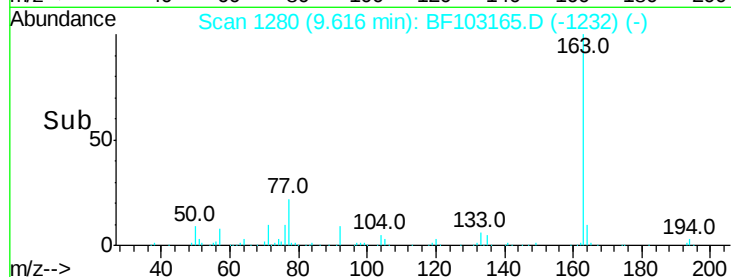
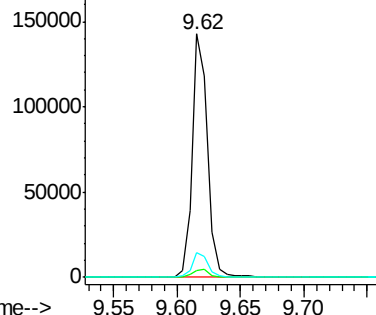
Tot Ion	Ratio	Resp	Lower	Upper
163	100	121221		
194	2.9	2.7	4.1	
164	10.0	8.2	12.2	

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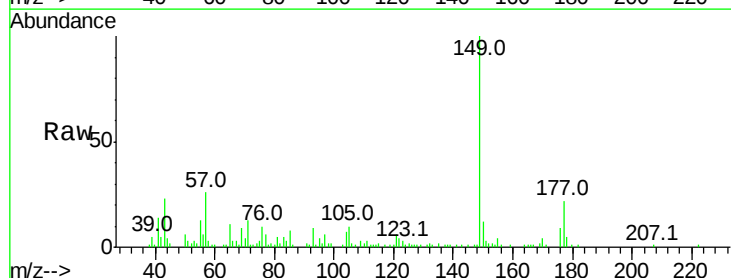


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

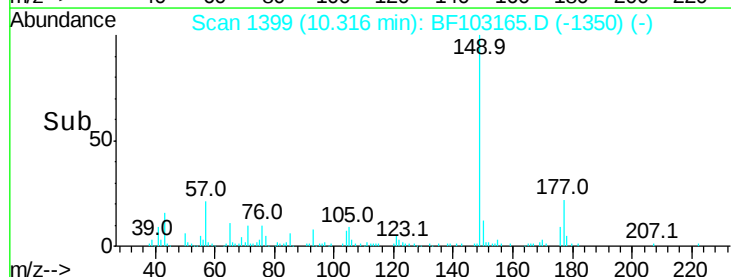
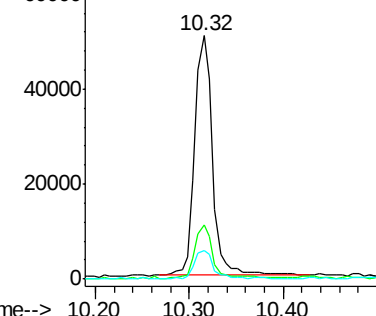


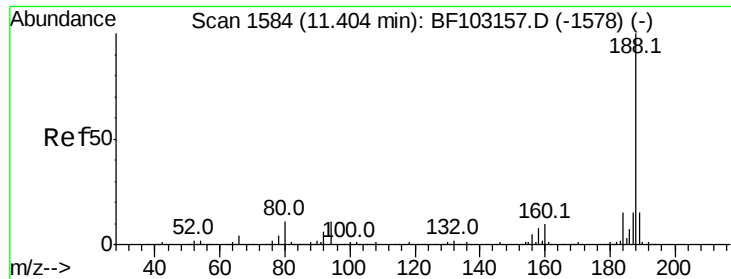
#59
Diethylphthalate
Concen: 2.697 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	66699		
177	22.3	16.1	24.1	
150	12.0	10.1	15.1	



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





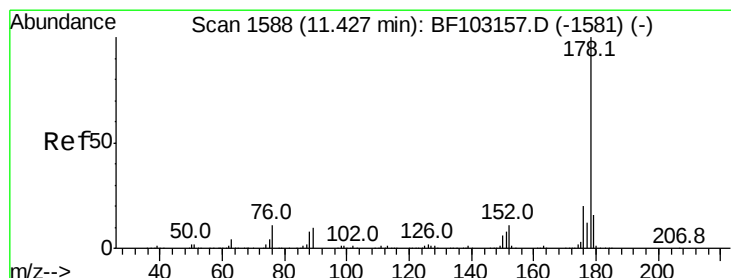
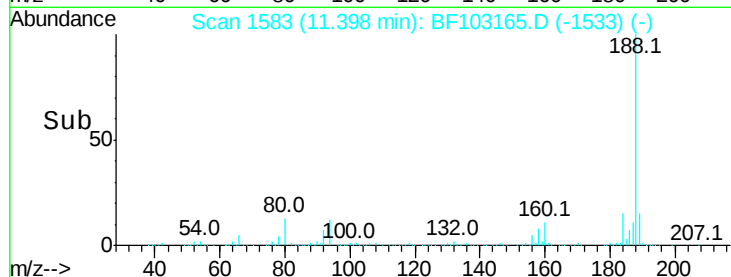
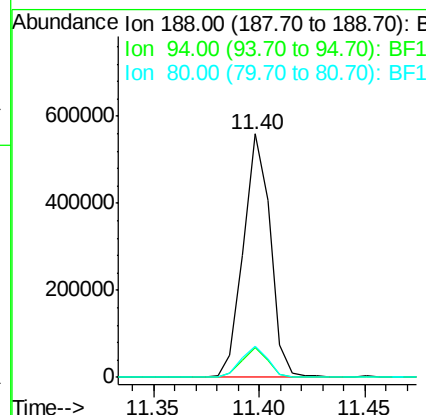
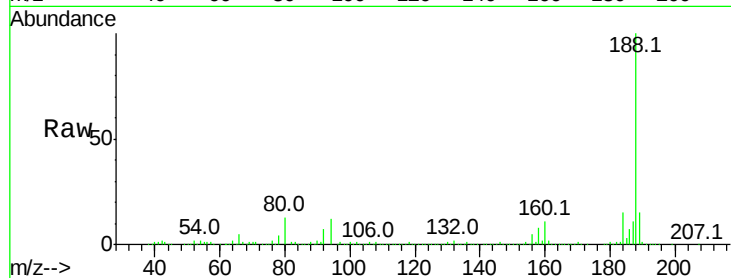
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Resp	Lower	Upper
188	100	492685		
94	12.4		8.5	12.7
80	13.0		9.2	13.8

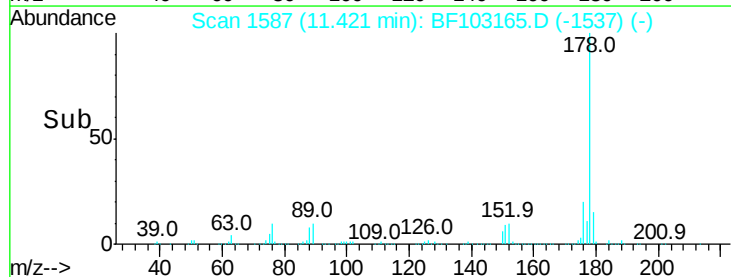
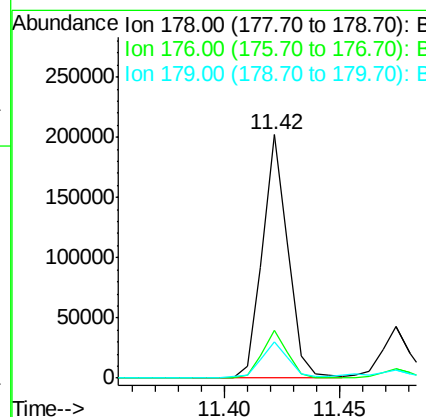
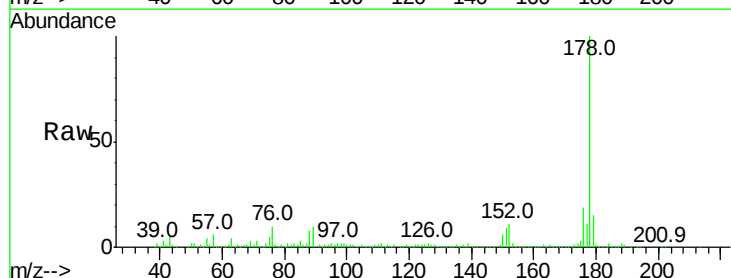
Manual Integrations
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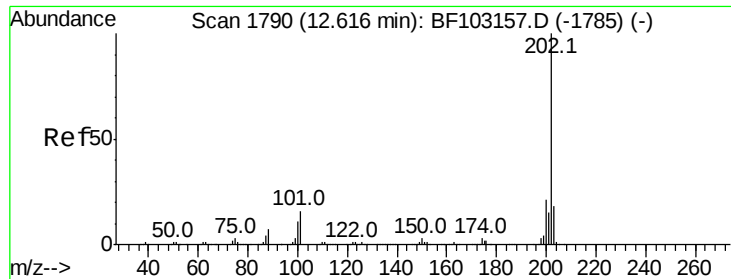
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#70
Phenanthrene
Concen: 5.790 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	156987		
176	19.5		15.8	23.8
179	15.1		13.0	19.6





#74

Fluoranthene

Concen: 6.760 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

Instrument :

BNA_F

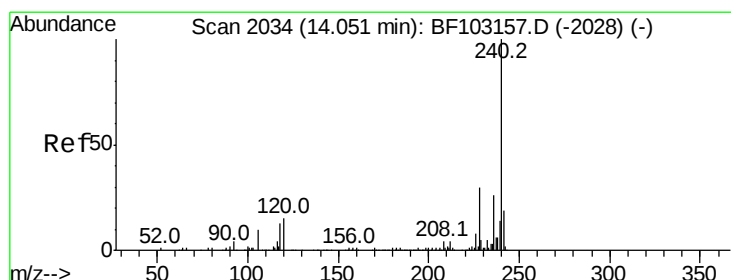
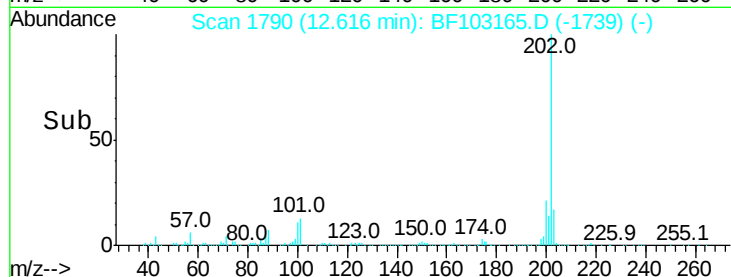
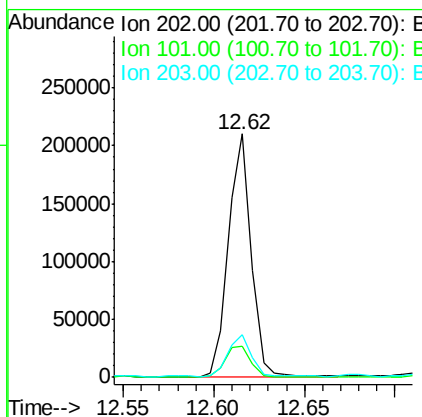
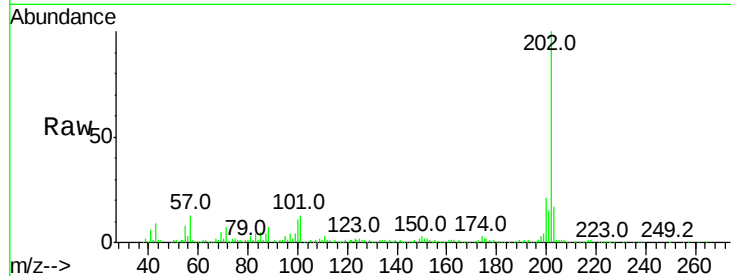
ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

Tot Ion:	202	Resp:	184189
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	34.1
203	17.4	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

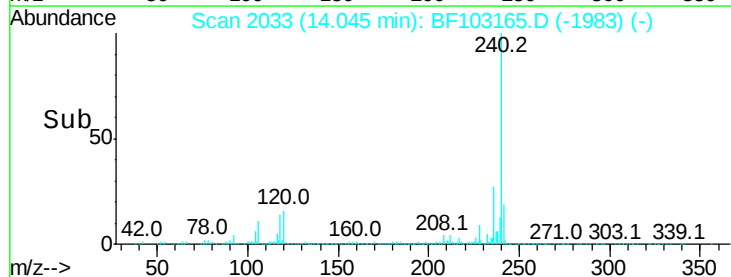
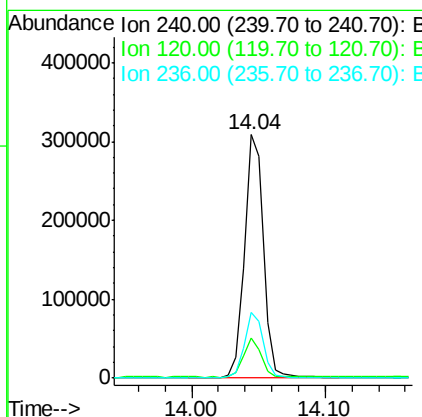
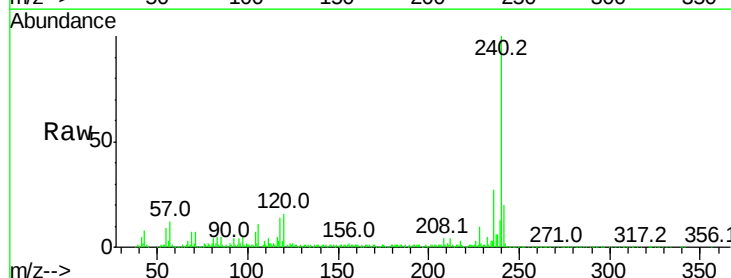
RT: 14.04 min Scan# 2033

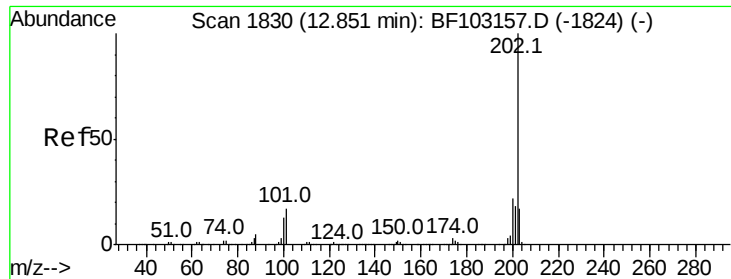
Delta R.T. -0.01 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

Tgt Ion:	240	Resp:	300937
Ion Ratio	Lower	Upper	
240	100		
120	16.4	9.5	14.3#
236	27.1	20.7	31.1





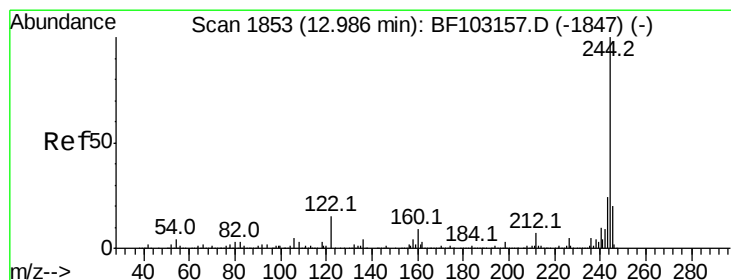
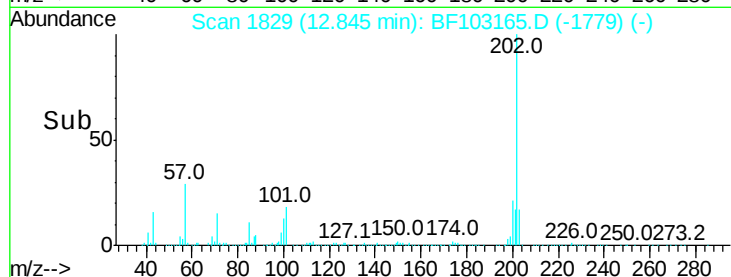
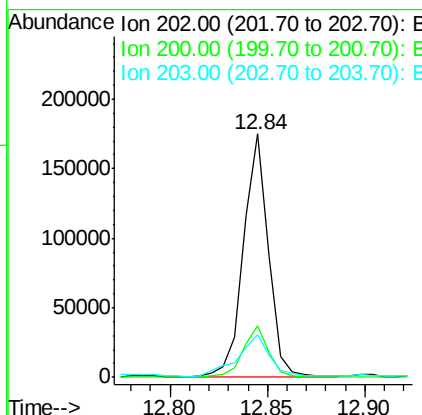
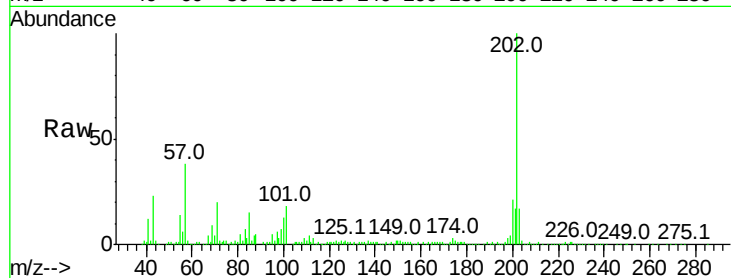
#77
Pvrene
Concen: 6.554 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.3	14.3	21.5

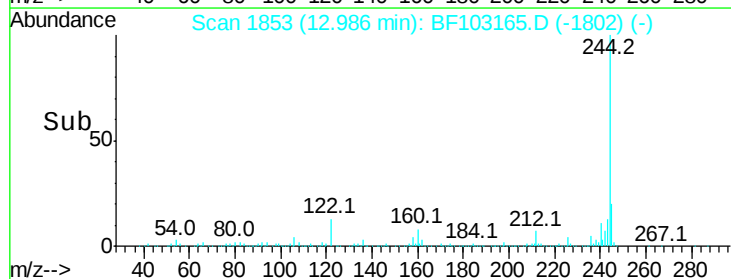
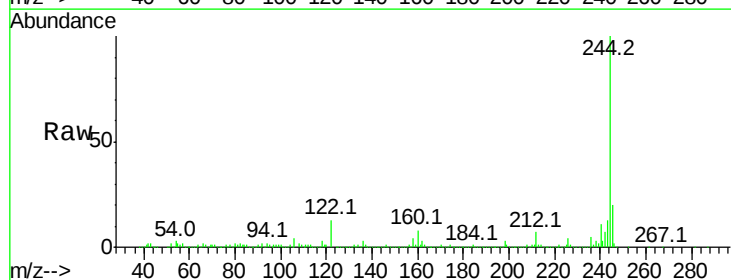
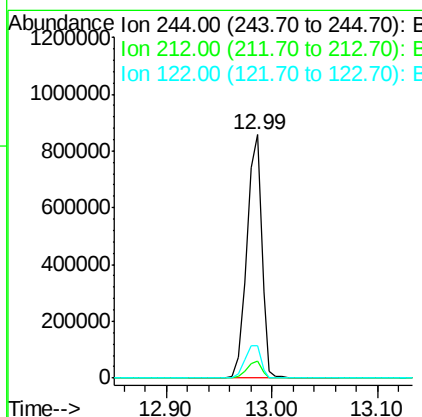
Manual Integrations
APPROVED

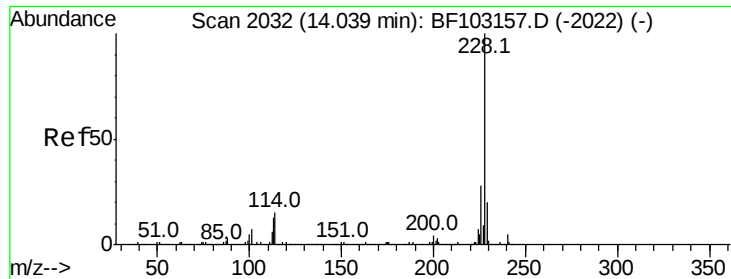
Sohil
2/23/2018 10:20:37 AM



#78
Terphenyl-d14
Concen: 66.866 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.00 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.4	11.0	16.4





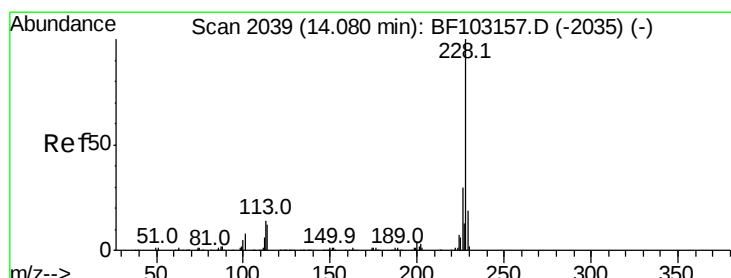
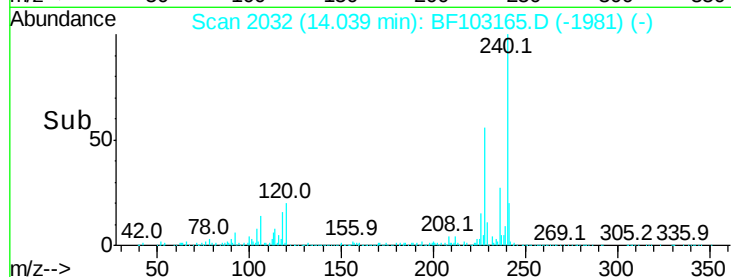
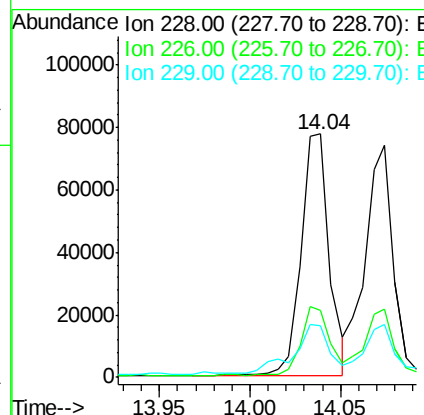
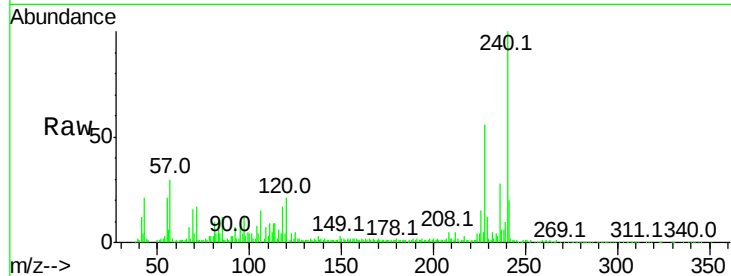
#80
Benzo(a)anthracene
Concen: 4.403 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	21.3	15.8	23.6

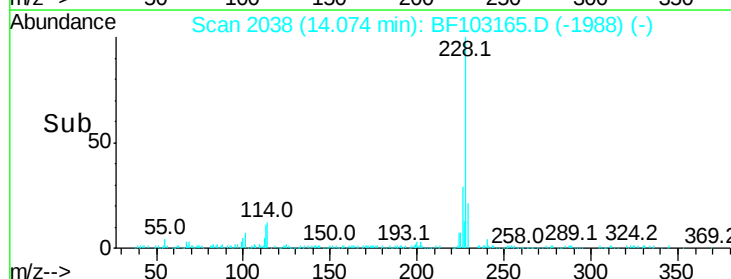
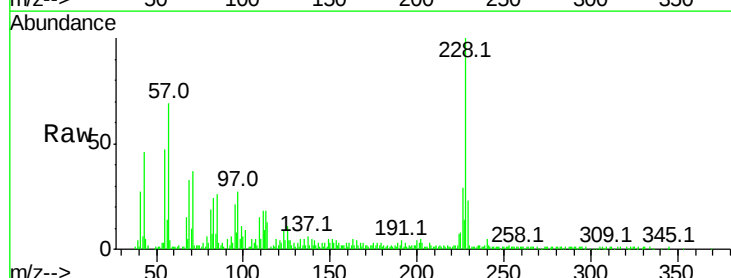
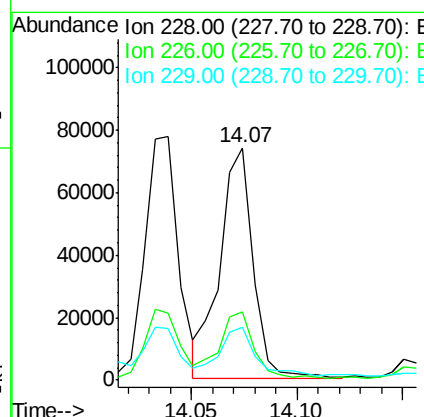
Manual Integrations
APPROVED

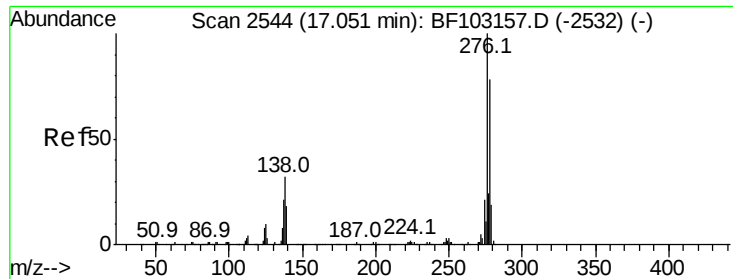
Sohil
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#82
Chrysene
Concen: 4.291 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	23.0	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.136 ng

RT: 17.06 min Scan# 2545

Delta R.T. 0.01 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

Instrument :

BNA_F

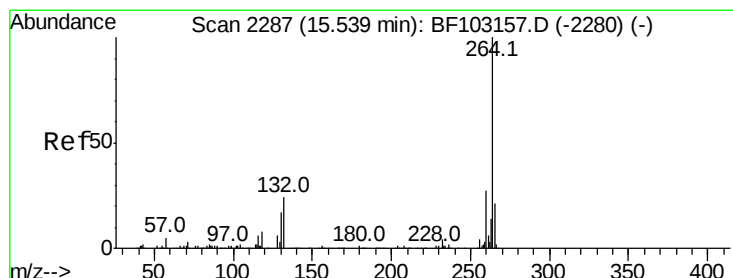
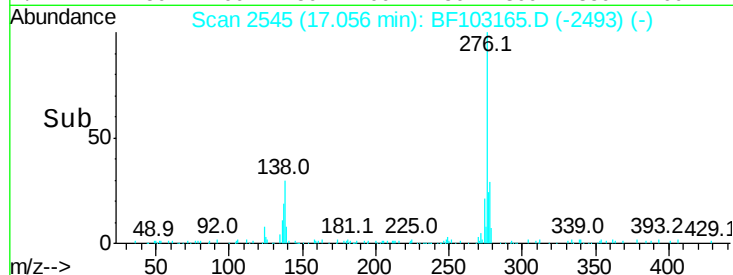
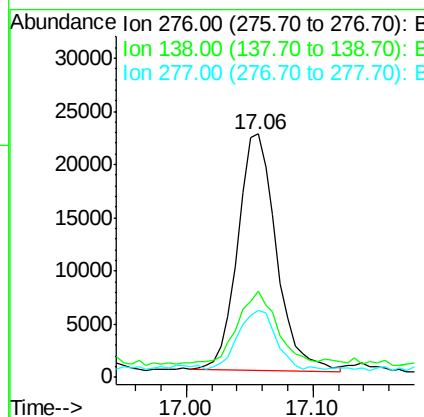
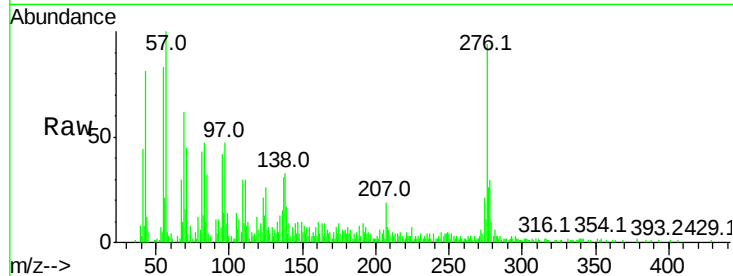
ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

Tot Ion:	276	Resp:	47075
Ion Ratio	Lower	Upper	
276	100		
138	31.0	25.0	37.6
277	25.3	20.1	30.1

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

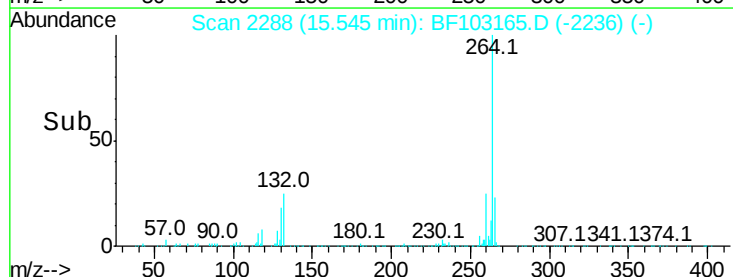
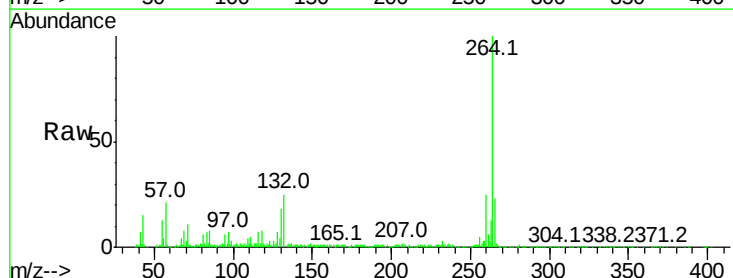
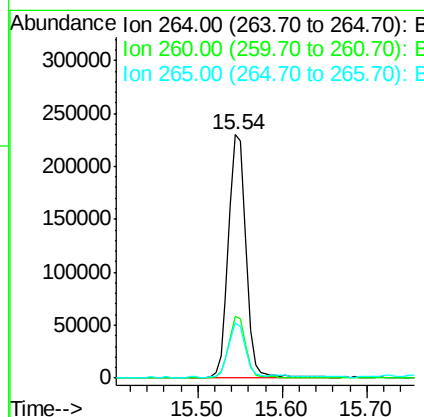
RT: 15.54 min Scan# 2288

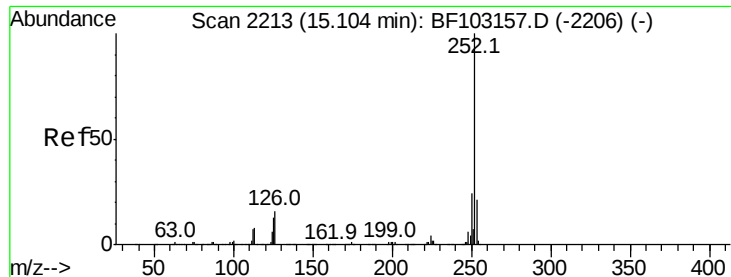
Delta R.T. 0.01 min

Lab File: BF103165.D

Acq: 22 Feb 2018 16:37

Tgt Ion:	264	Resp:	327674
Ion Ratio	Lower	Upper	
264	100		
260	25.4	19.2	28.8
265	23.0	17.5	26.3





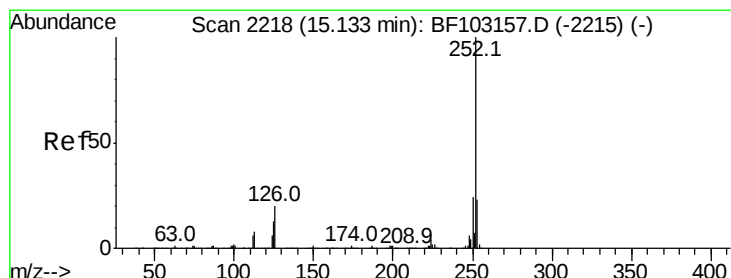
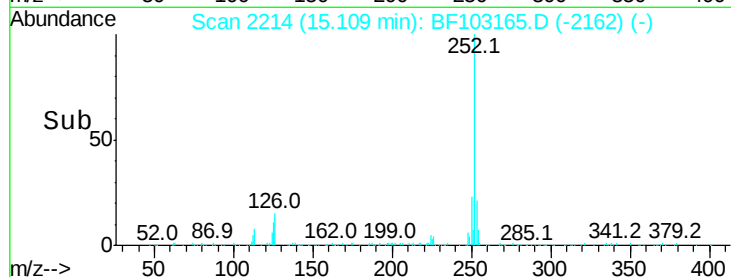
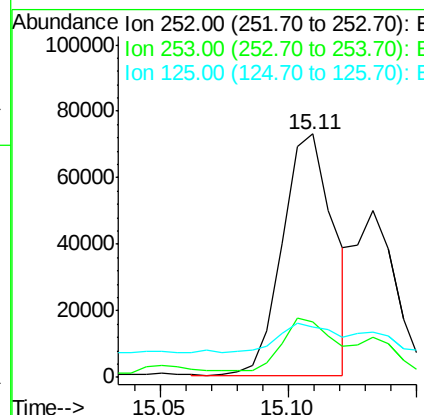
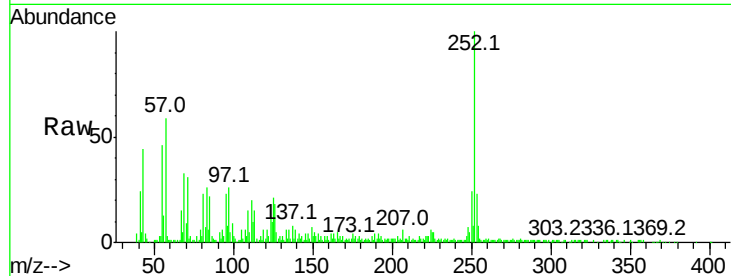
#87
Benzo(b)fluoranthene
Concen: 4.728 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	20.7	9.0	13.6

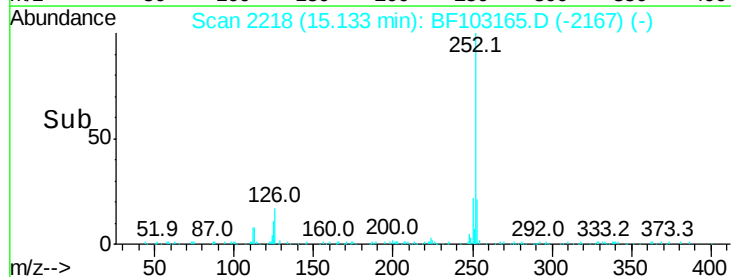
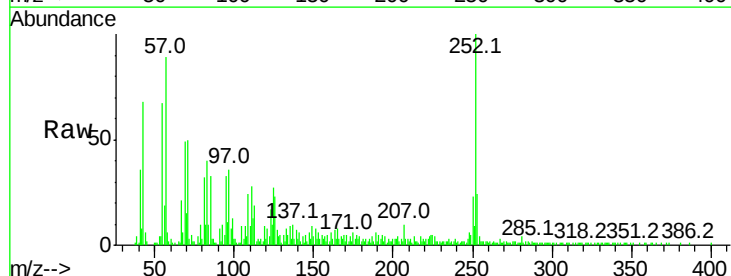
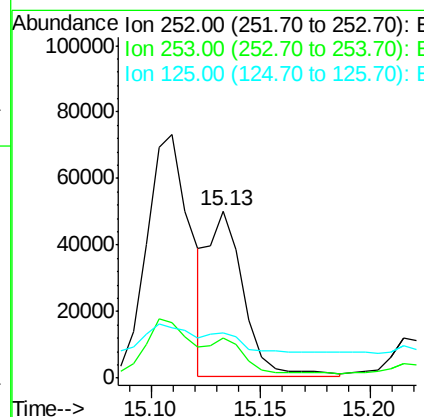
Manual Integrations
APPROVED

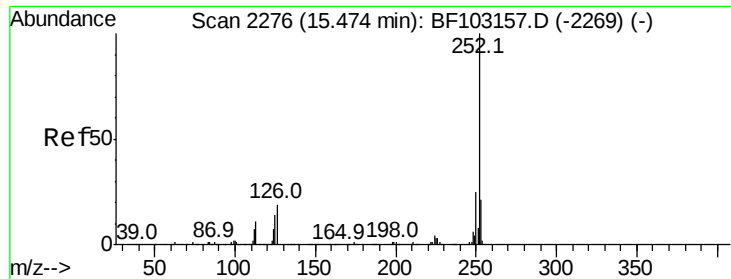
Sohil
2/23/2018 10:20:37 AM



#88
Benzo(k)fluoranthene
Concen: 2.783 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	27.3	10.2	15.2





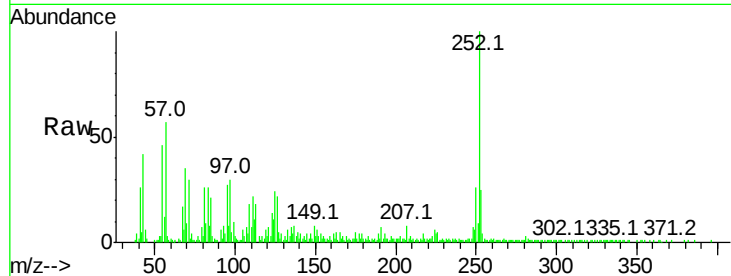
#89
Benzo(a)pyrene
Concen: 4.001 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	24.3	9.8	14.6

Manual Integrations
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2/23/2018 10:20:37 AM

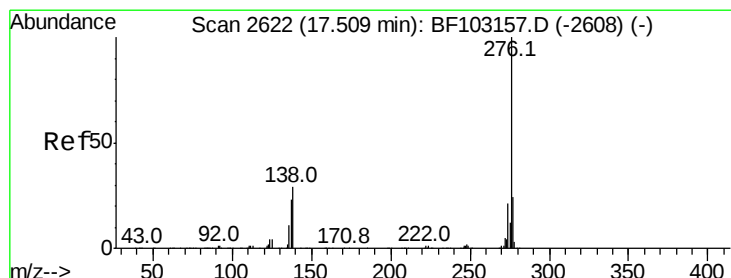
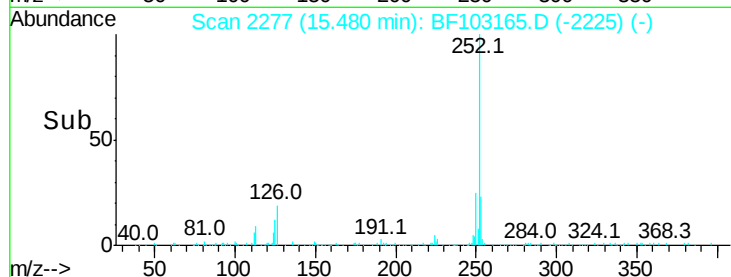
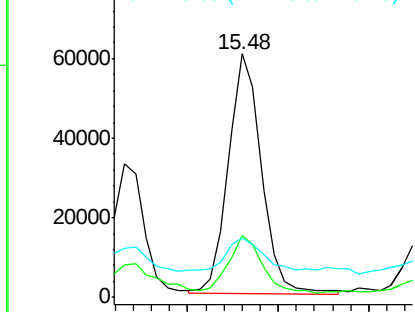


Abundance

Ion 252.00 (251.70 to 252.70): E

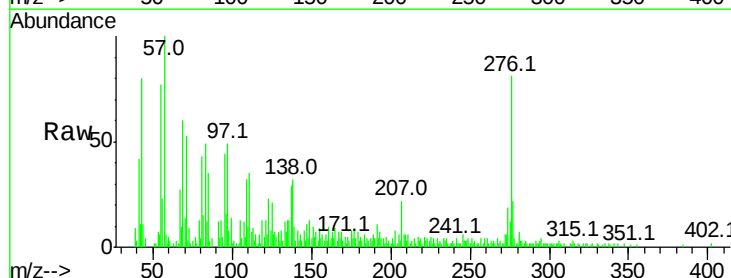
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.742 ng
RT: 17.52 min Scan# 2623
Delta R.T. 0.01 min
Lab File: BF103165.D
Acq: 22 Feb 2018 16:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	17.9	26.9
138	39.5	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

