

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104849.D
 Acq On : 26 Apr 2018 20:40
 Operator : JU/SJ
 Sample : J2161-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-042518-A

Manual Integrations
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Sohil
 4/27/2018 7:30:19 PM

Quant Time: Apr 27 12:39:28 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	110892	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	408103	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	150022	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	265082	20.00	ng	0.00
75) Chrysene-d12	13.98	240	232154	20.00	ng	0.00
86) Perylene-d12	15.45	264	159137	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	637623	87.92	ng	0.00
7) Phenol-d6	6.45	99	742413	83.32	ng	0.00
23) Nitrobenzene-d5	7.37	82	435840	69.74	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	139562	89.68	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	689910	72.65	ng	0.00
78) Terphenyl-d14	12.92	244	629049	61.77	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.55	163	42090	3.558	ng	Qvalue 97
70) Phenanthrene	11.36	178	128366	8.696	ng	98
71) Anthracene	11.41	178	47063	3.136	ng	98
74) Fluoranthene	12.55	202	308764	20.019	ng	96
77) Pyrene	12.78	202	286387	16.643	ng	99
80) Benzo(a)anthracene	13.97	228	135876	9.797	ng	99
82) Chrysene	14.00	228	118206	8.298	ng	98
85) Indeno(1,2,3-cd)pyrene	16.92	276	36689	3.032	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	112932m	11.236	ng	
88) Benzo(k)fluoranthene	15.05	252	28361m	2.989	ng	
89) Benzo(a)pyrene	15.39	252	69023	7.675	ng	# 92
91) Benzo(a,h,i)perylene	17.36	276	34044	4.758	ng	# 86

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

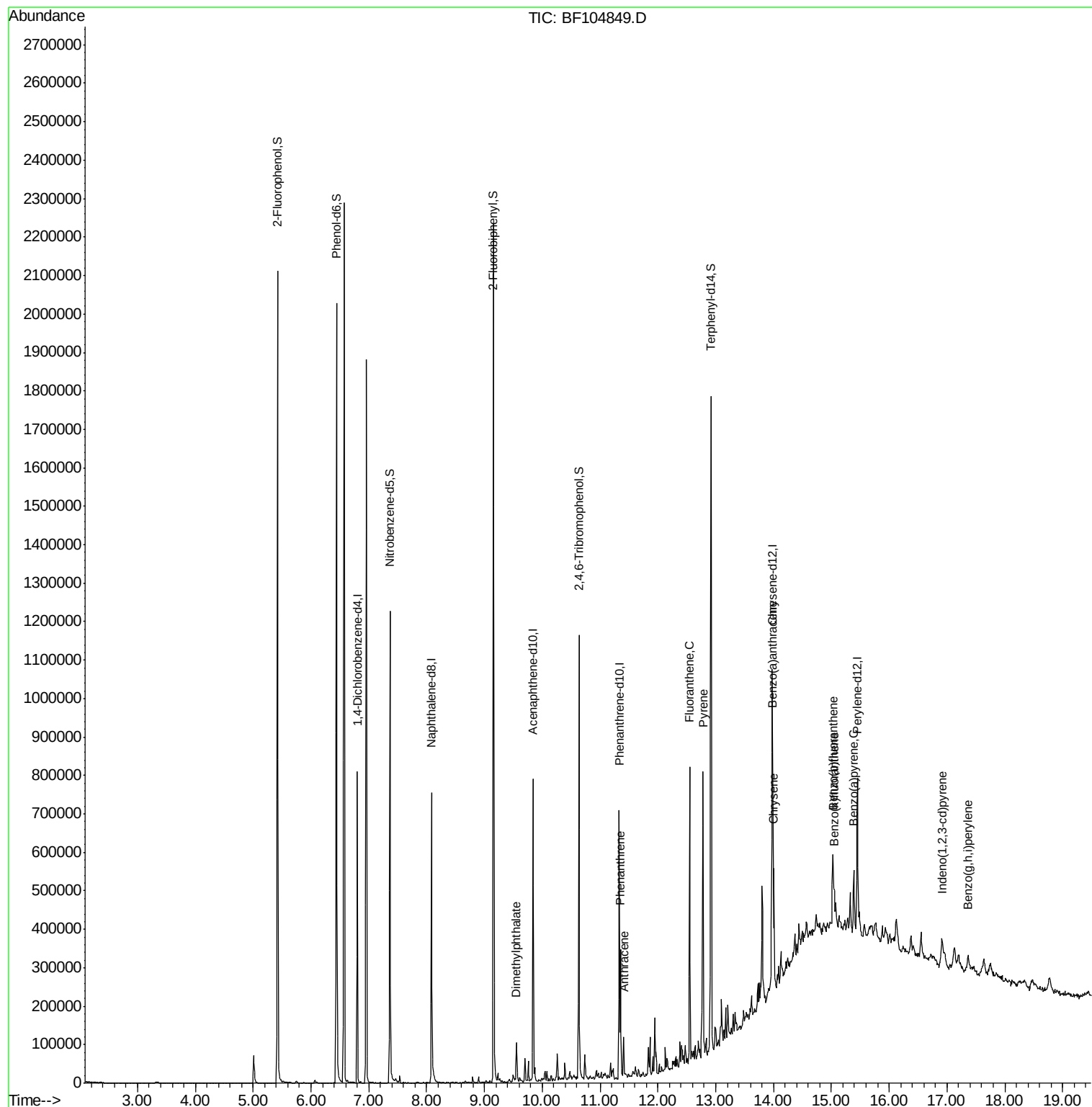
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104849.D
Acq On : 26 Apr 2018 20:40
Operator : JU/SJ
Sample : J2161-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

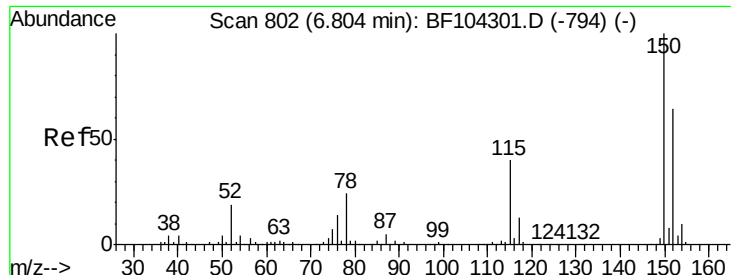
Instrument :
BNA_F
ClientSampleId :
OR-01-042518-A

Manual Integrations
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#1

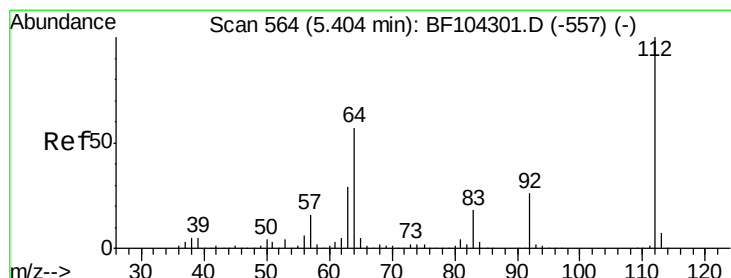
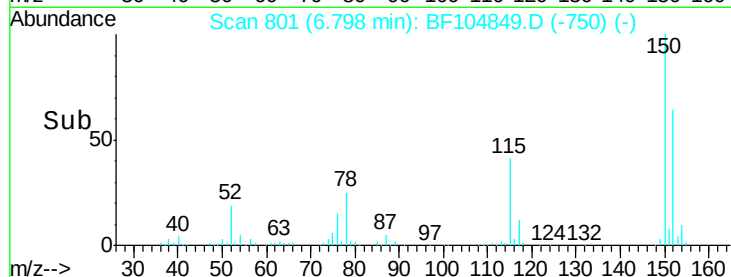
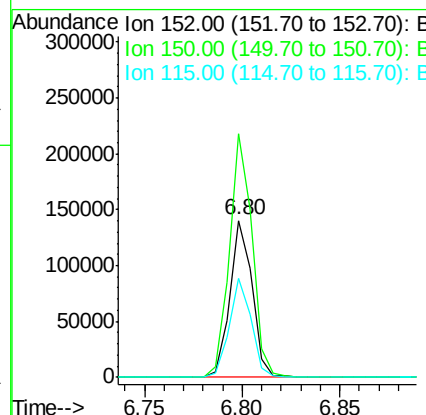
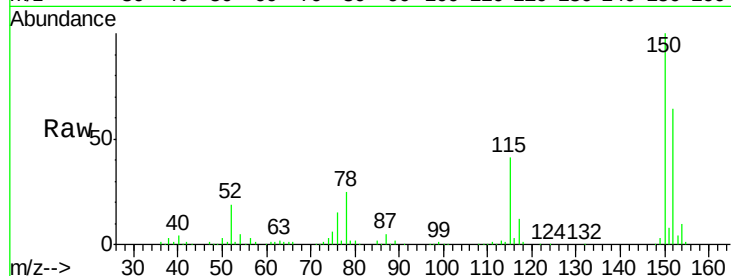
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Instrument :
BNA_F
ClientSampleId :
OR-01-042518-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	63.2	50.1	75.1

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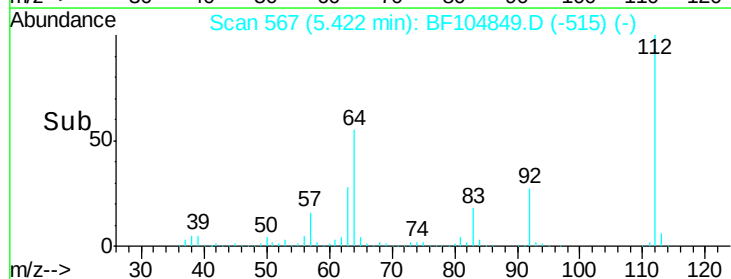
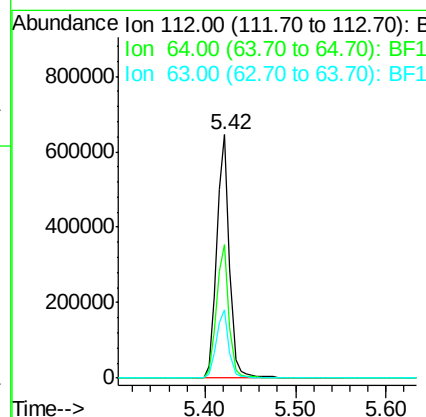
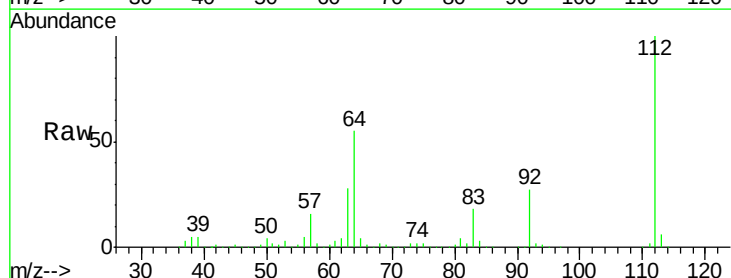
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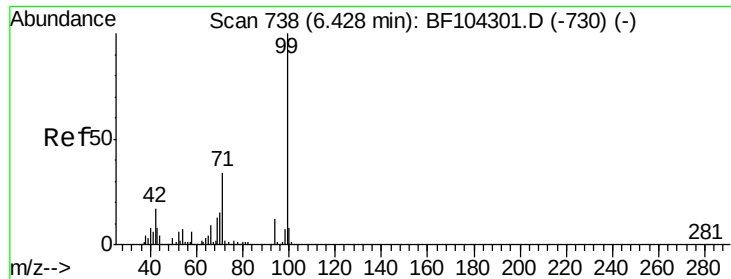


#5

2-Fluorophenol
Concen: 87.920 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	47.9	71.9
63	27.9	23.7	35.5





#7

Phenol-d6

Concen: 83.317 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

Instrument :

BNA_F

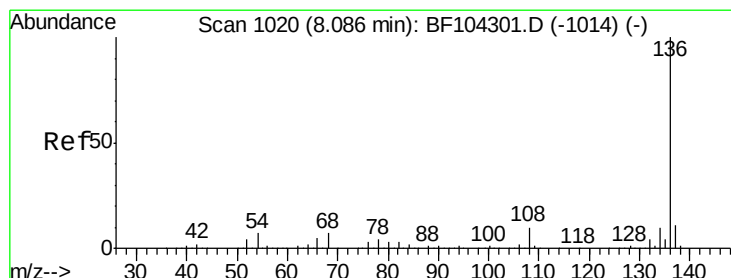
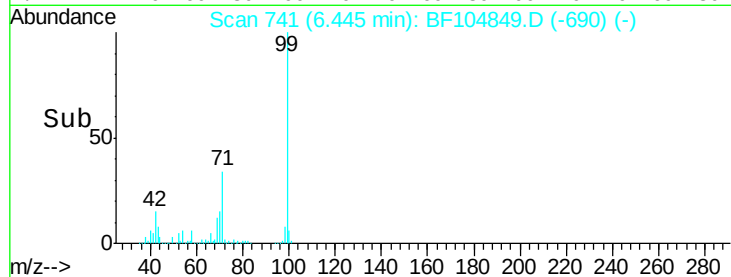
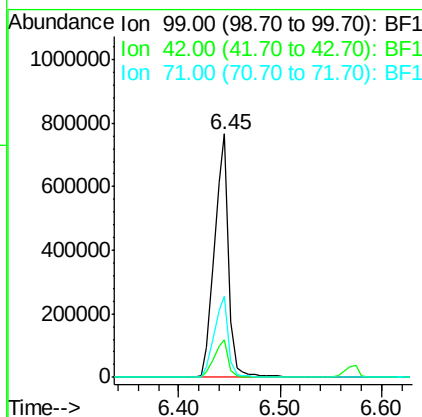
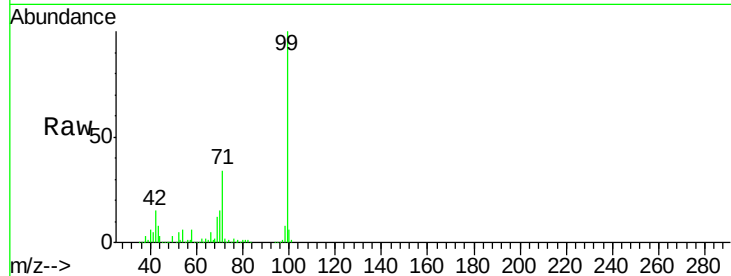
ClientSampleId :

OR-01-042518-A

Tot Ion:	99	Resp:	742413
Ion	Ratio	Lower	Upper
99	100		
42	15.2	14.5	21.7
71	33.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

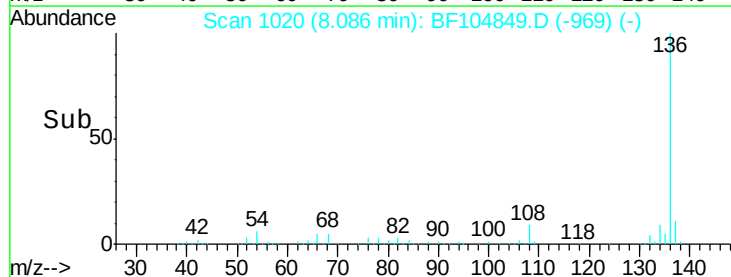
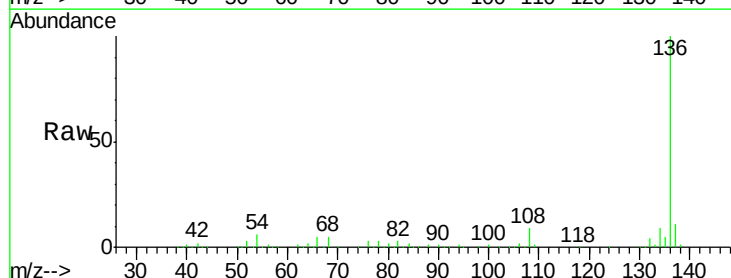
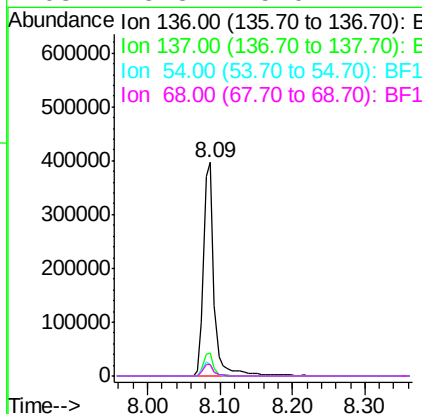
RT: 8.09 min Scan# 1020

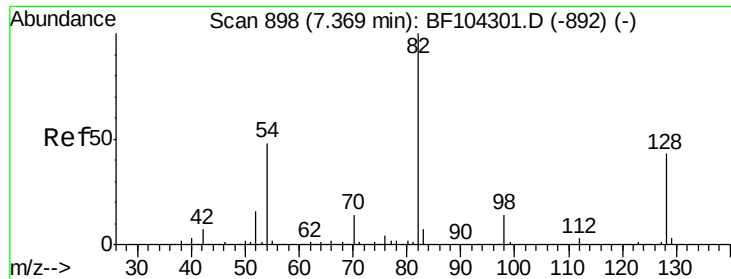
Delta R.T. -0.00 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

Tgt Ion:	136	Resp:	408103
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	5.6	6.6	9.8#
68	5.3	5.0	7.4





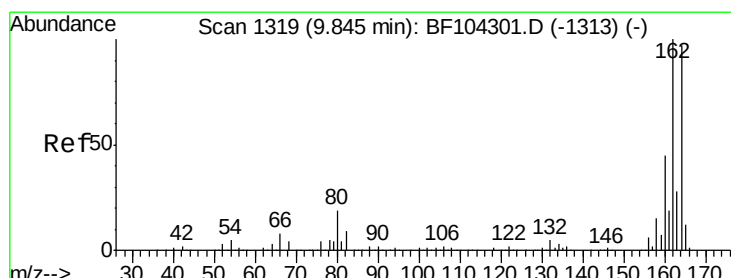
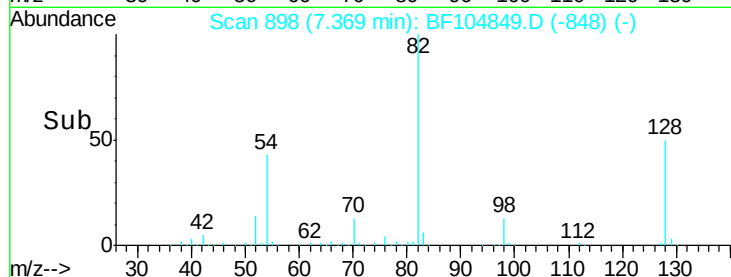
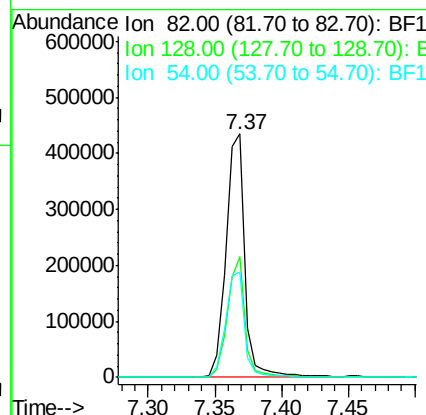
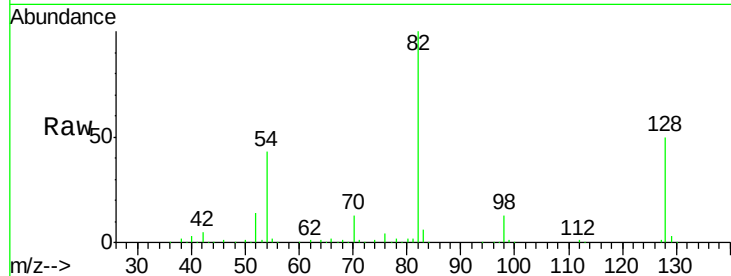
#23
 Nitrobenzene-d5
 Concen: 69.736 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104849.D
 Acq: 26 Apr 2018 20:40

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-042518-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.7	36.1	54.1
54	43.3	41.4	62.2

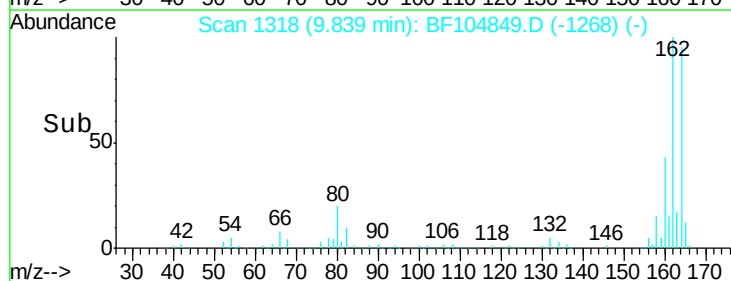
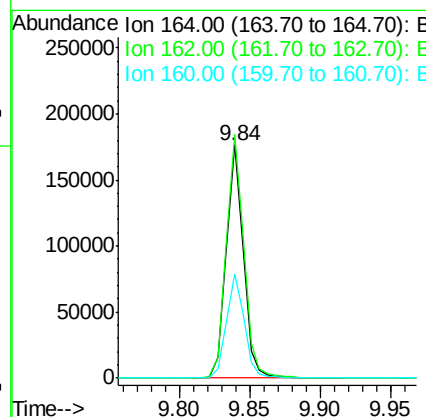
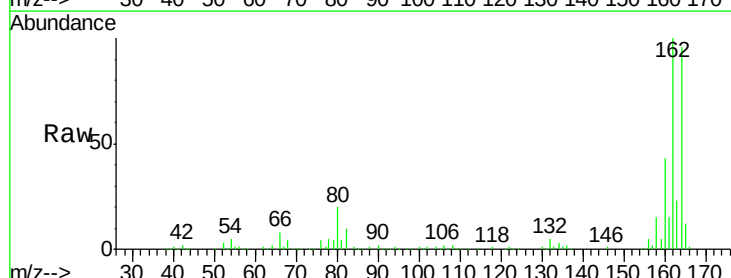
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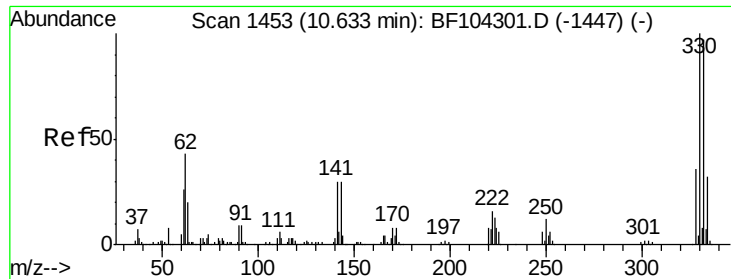
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104849.D
 Acq: 26 Apr 2018 20:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	44.8	38.3	57.5





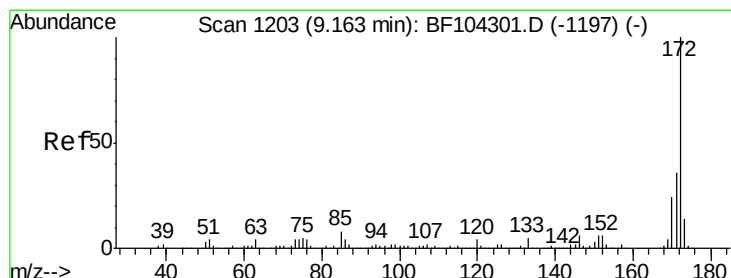
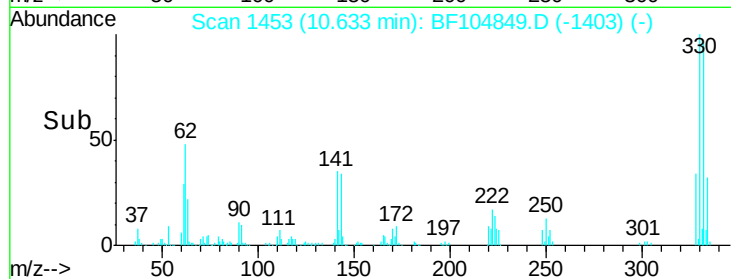
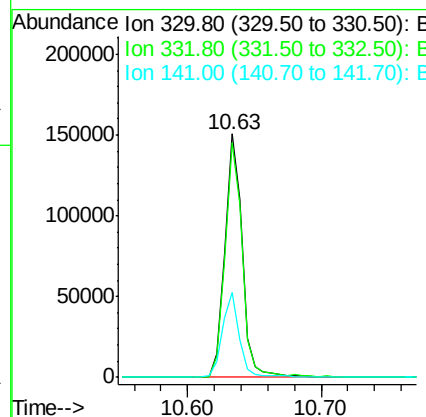
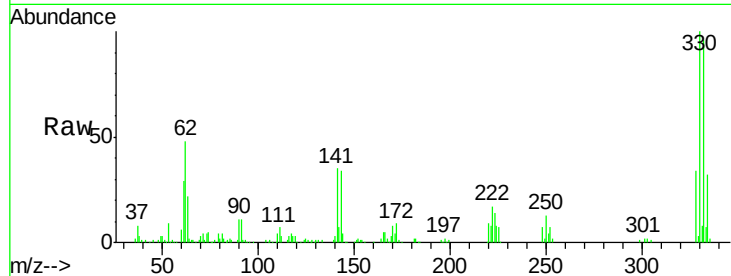
#41
 2,4,6-Tribromophenol
 Concen: 89.680 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104849.D
 Acq: 26 Apr 2018 20:40

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-042518-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	139562		
332	96.9	77.0	115.6	
141	34.4	29.9	44.9	

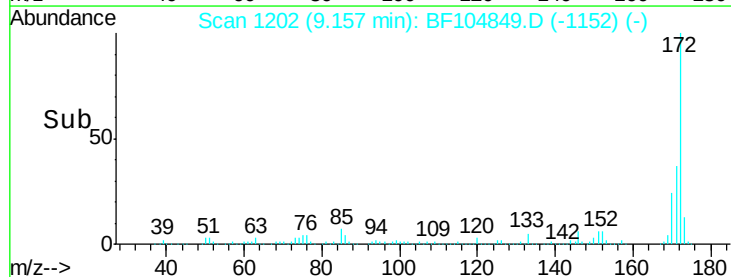
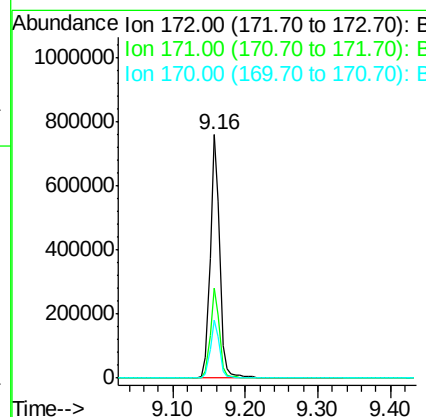
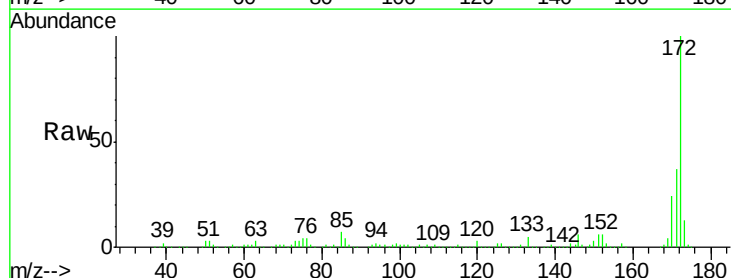
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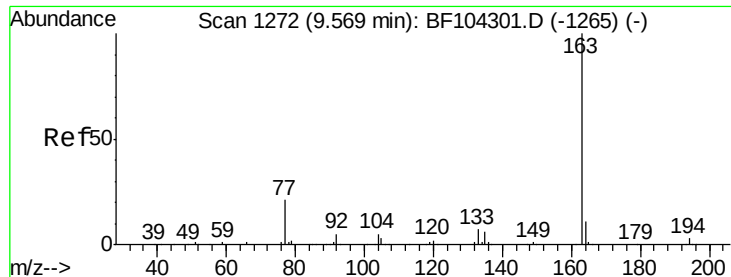
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#44
 2-Fluorobiphenyl
 Concen: 72.648 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104849.D
 Acq: 26 Apr 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	689910		
171	36.9	29.7	44.5	
170	24.0	19.6	29.4	





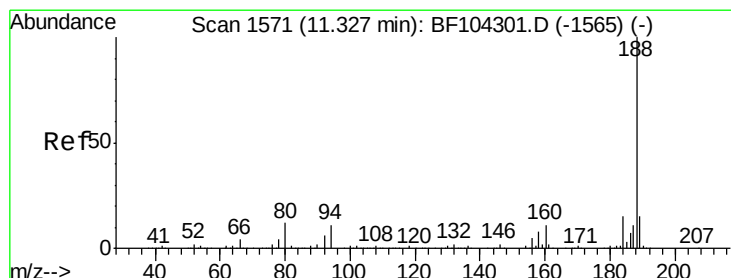
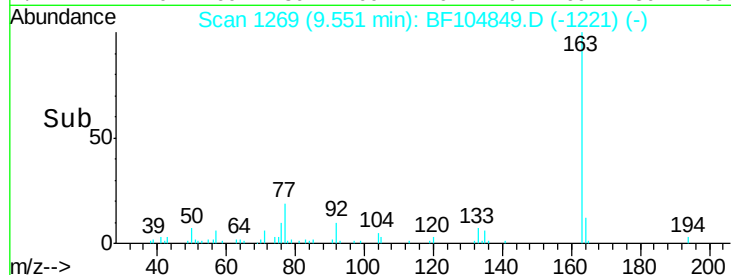
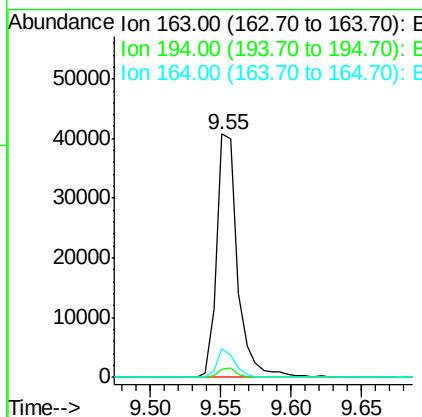
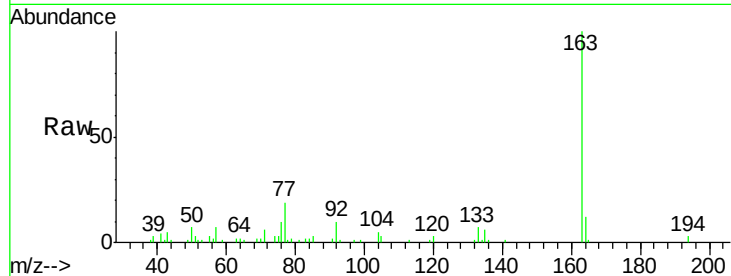
#49
Dimethylphthalate
Concen: 3.558 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Instrument :
BNA_F
ClientSampleId :
OR-01-042518-A

Tot Ion:	163	Resp:	42090
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	11.5	8.2	12.2

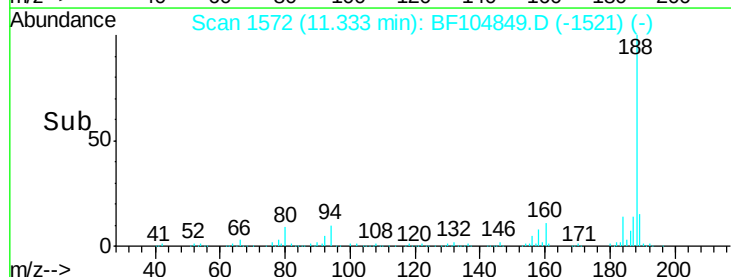
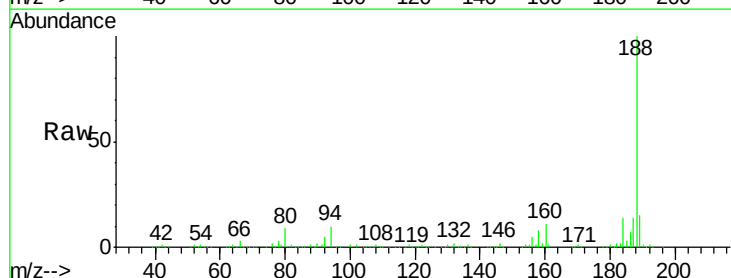
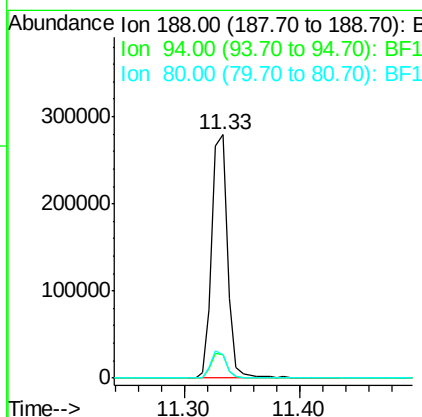
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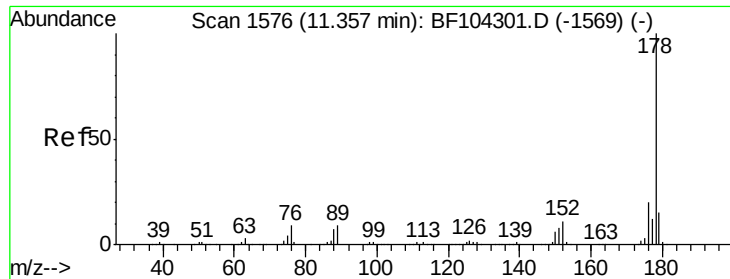
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Tgt Ion:	188	Resp:	265082
Ion Ratio	Lower	Upper	
188	100		
94	9.7	8.5	12.7
80	9.4	9.2	13.8





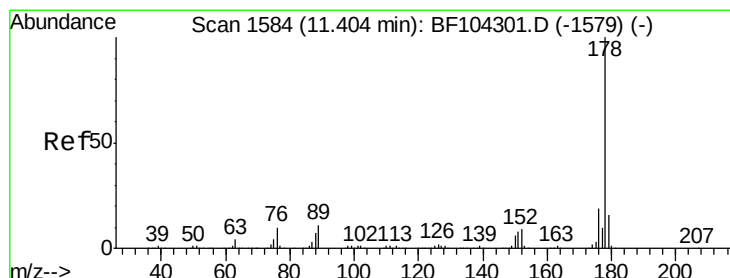
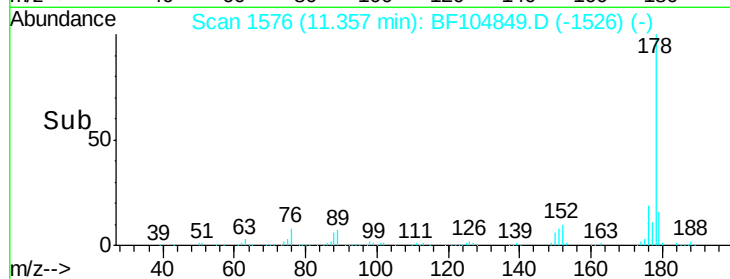
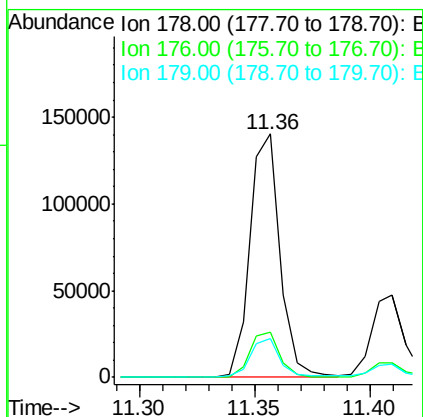
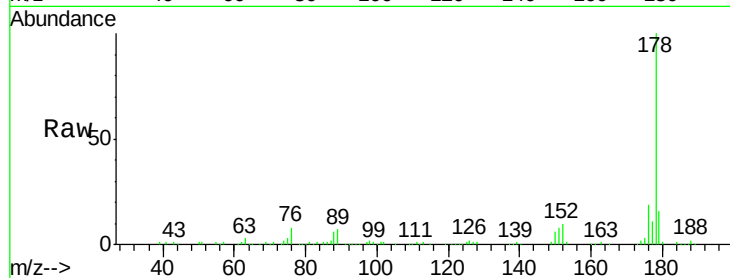
#70
Phenanthrene
Concen: 8.696 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Instrument :
BNA_F
ClientSampleId :
OR-01-042518-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.7	13.0	19.6

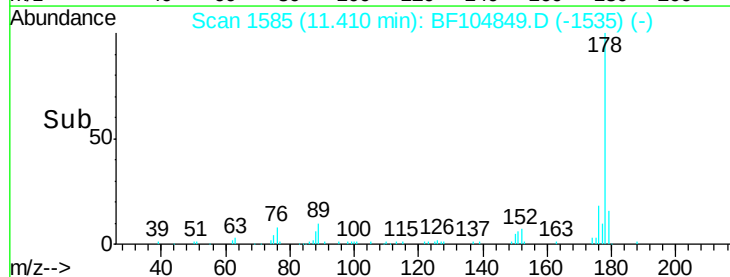
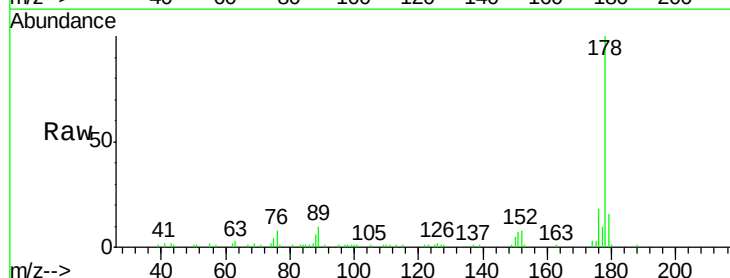
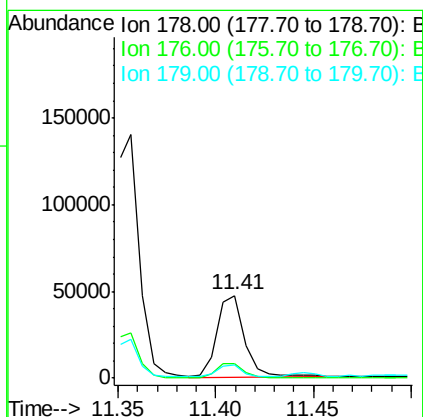
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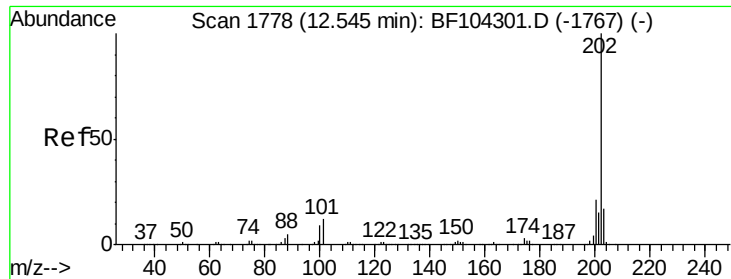
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#71
Anthracene
Concen: 3.136 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	15.9	12.6	19.0





#74

Fluoranthene

Concen: 20.019 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

Instrument :

BNA_F

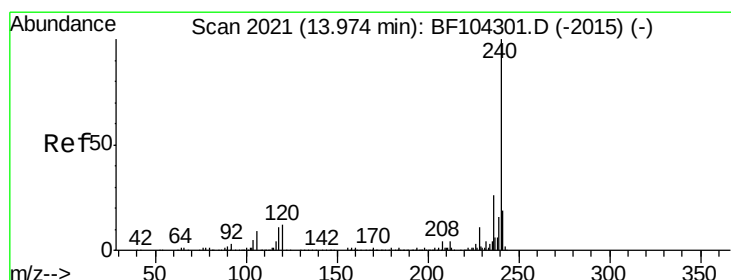
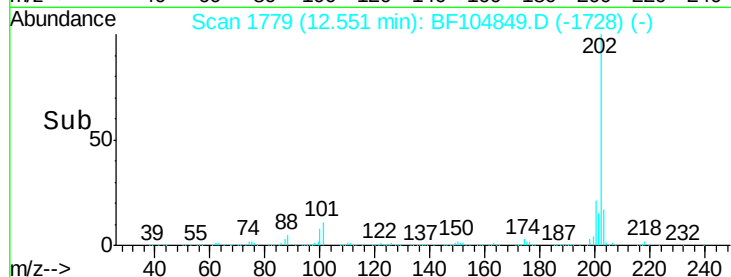
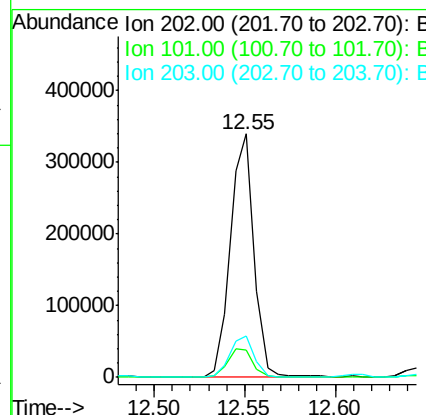
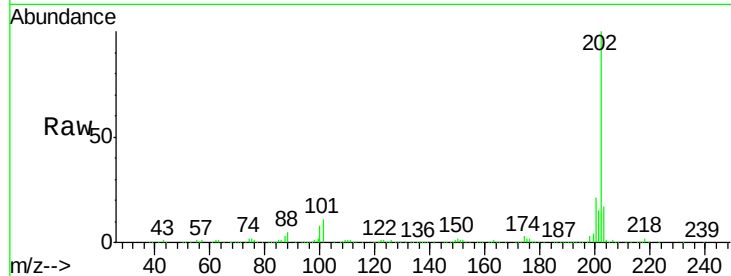
ClientSampleId :

OR-01-042518-A

Tot Ion	Ratio	Resp	Lower	Upper
202	100	308764		
101	11.4	0.0	34.1	
203	17.2	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

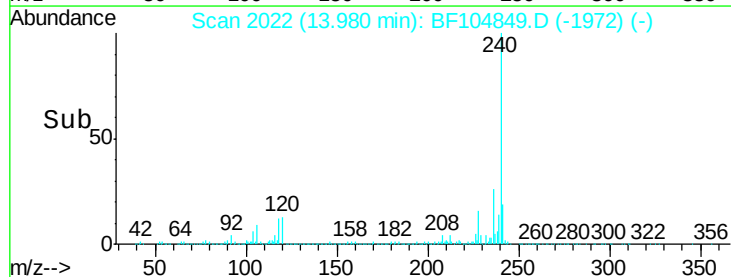
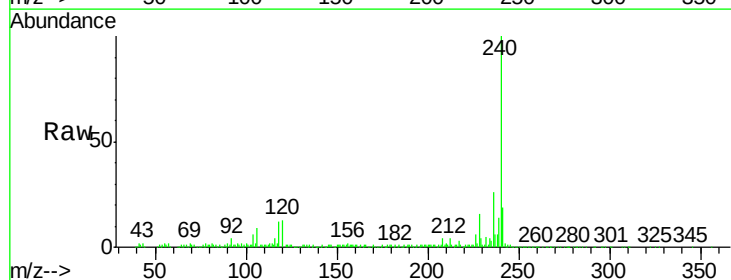
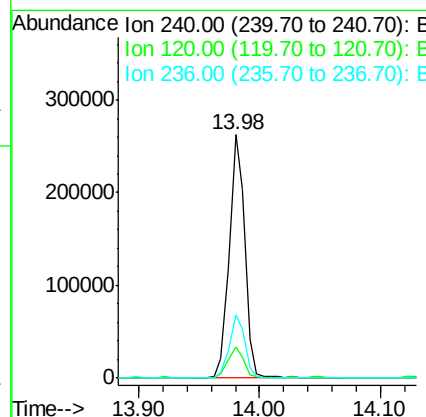
RT: 13.98 min Scan# 2022

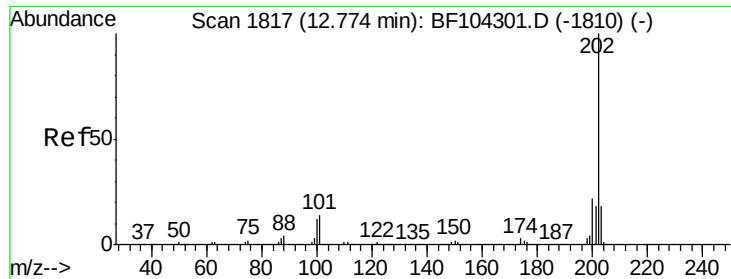
Delta R.T. -0.01 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	232154		
120	13.0	9.5	14.3	
236	25.8	20.7	31.1	





#77

Pvrene

Concen: 16.643 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

Instrument :

BNA_F

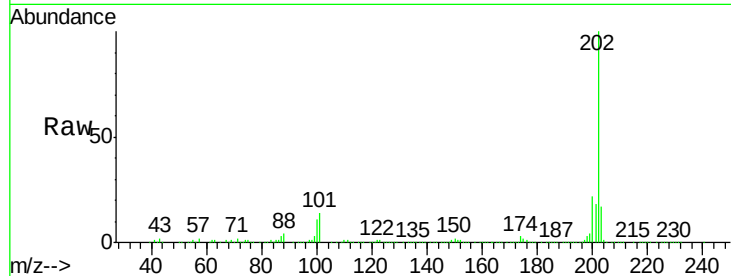
ClientSampleId :

OR-01-042518-A

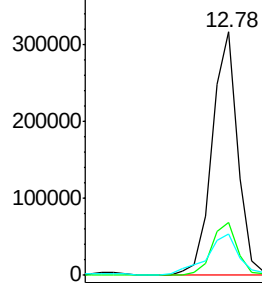
Tot Ion:	202	Resp:	286387
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.4	26.2
203	16.8	14.3	21.5

Manual Integrations
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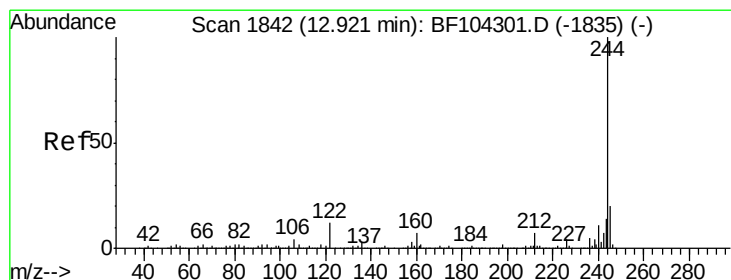
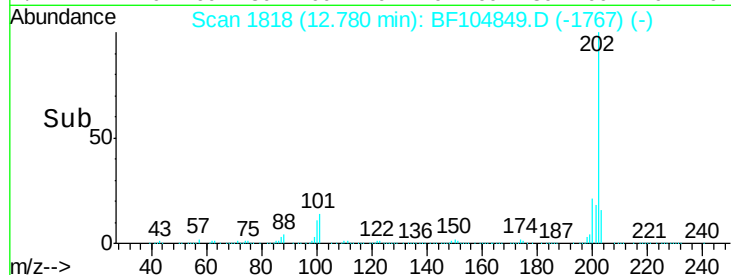
Sohil
4/27/2018 7:30:19 PM



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



Time-->



#78

Terphenyl-d14

Concen: 61.775 ng

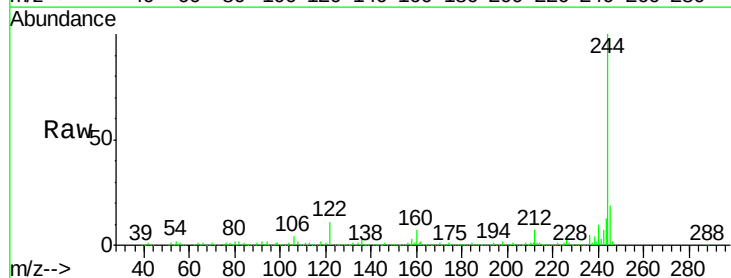
RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

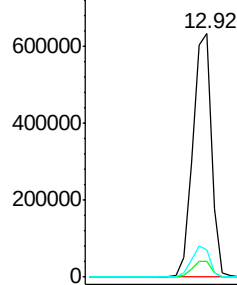
Lab File: BF104849.D

Acq: 26 Apr 2018 20:40

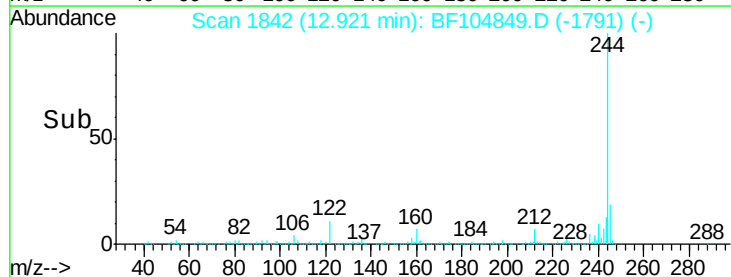
Tgt Ion:	244	Resp:	629049
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.1	11.0	16.4

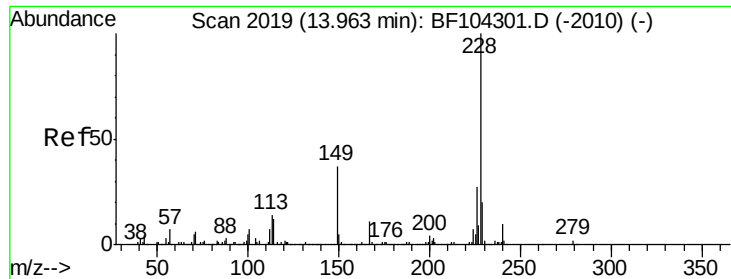


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





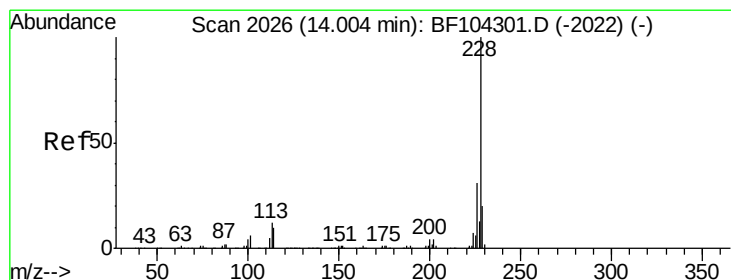
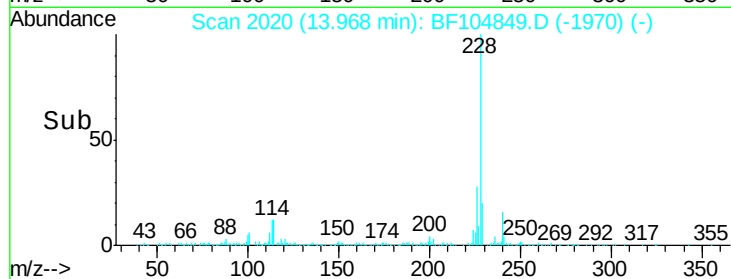
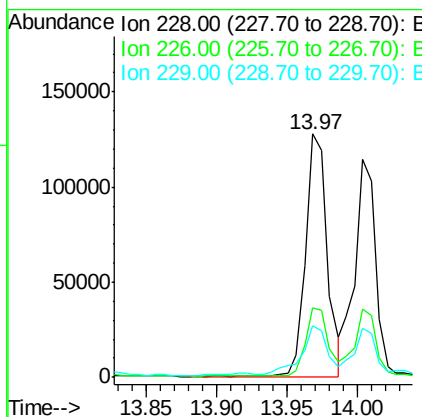
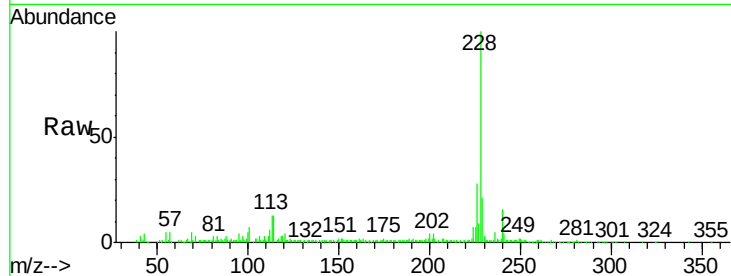
#80
Benzo(a)anthracene
Concen: 9.797 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Instrument :
BNA_F
ClientSampleId :
OR-01-042518-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	21.0	15.8	23.6

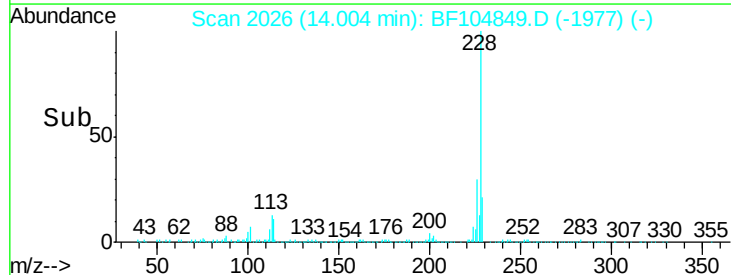
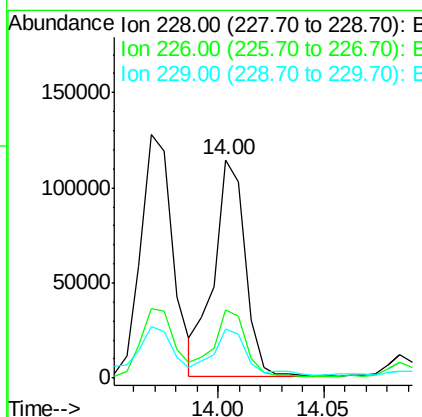
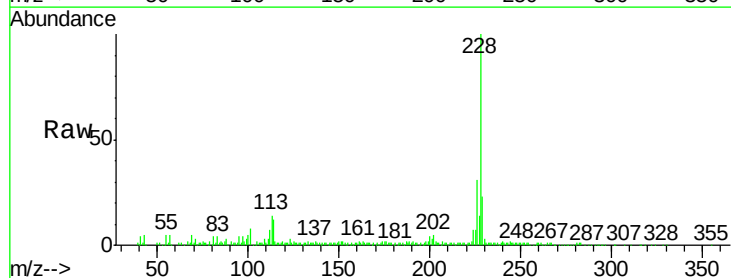
Manual Integrations
APPROVED

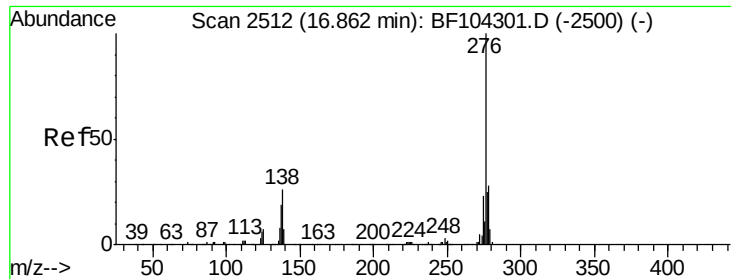
Sohil
4/27/2018 7:30:19 PM



#82
Chrysene
Concen: 8.298 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	22.7	16.2	24.4





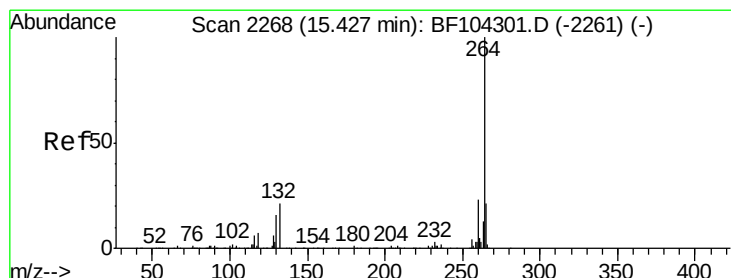
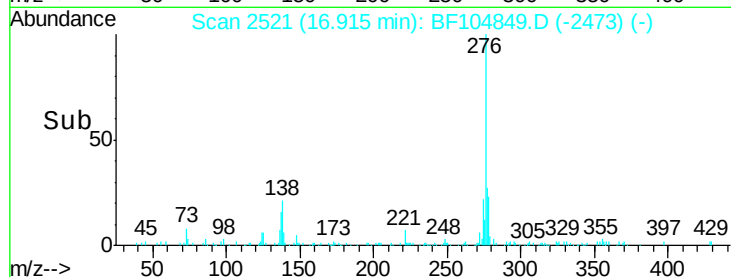
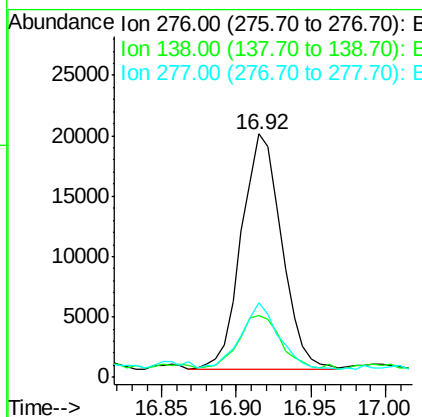
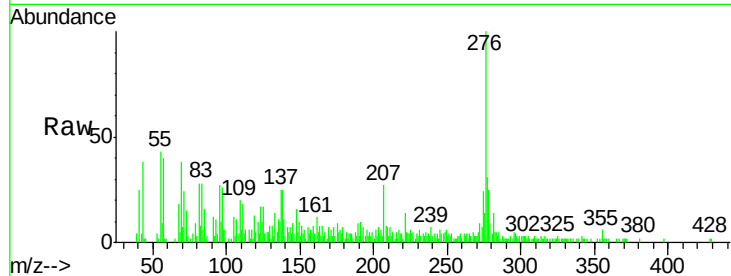
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.032 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.02 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Instrument :
BNA_F
ClientSampleId :
OR-01-042518-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.4	25.0	37.6#
277	26.5	20.1	30.1

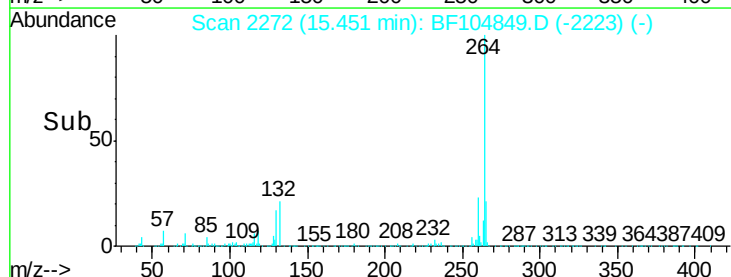
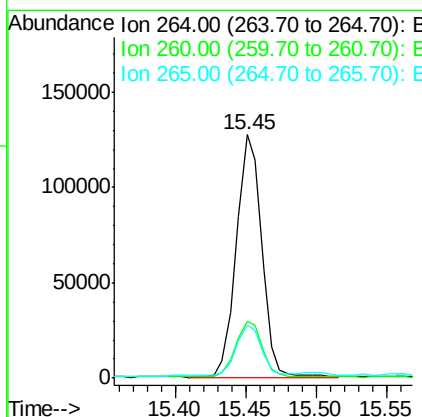
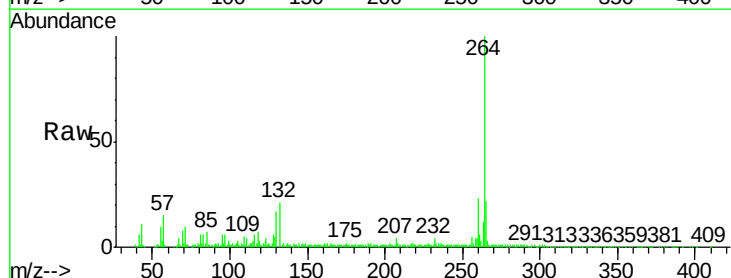
Manual Integrations
APPROVED

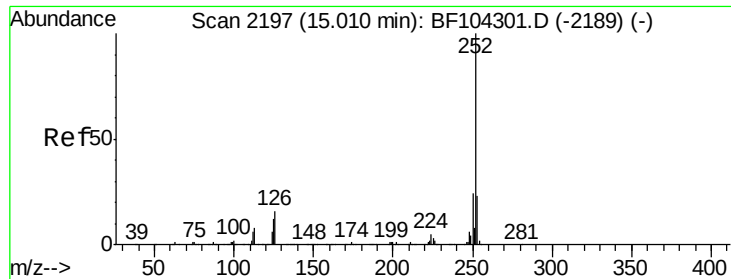
Sohil
4/27/2018 7:30:19 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.7	17.5	26.3





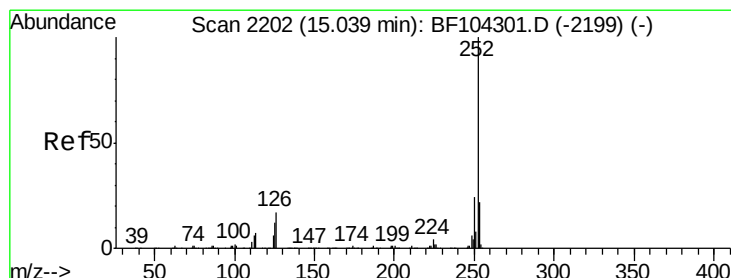
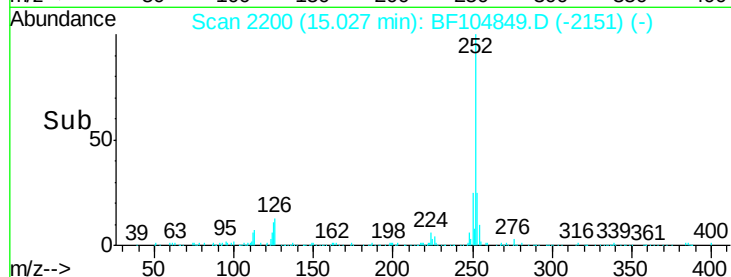
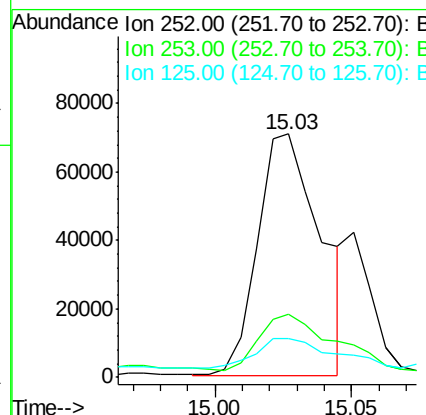
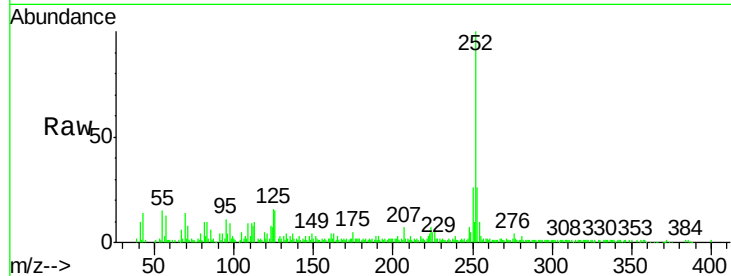
#87
Benzo(b)fluoranthene
Concen: 11.236 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Instrument :
BNA_F
ClientSampleId :
OR-01-042518-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.0	25.6#
125	15.7	9.0	13.6#

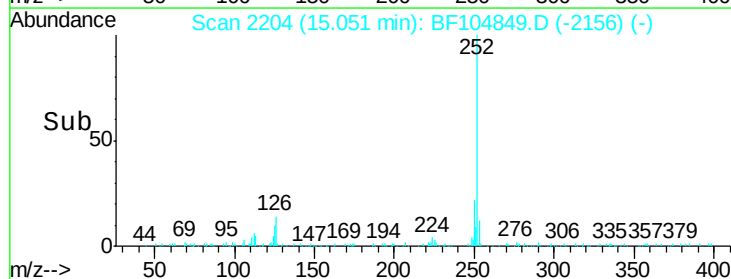
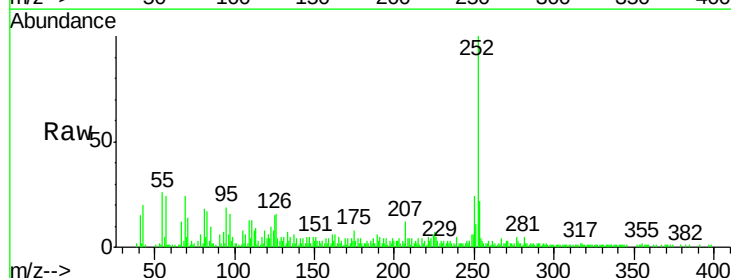
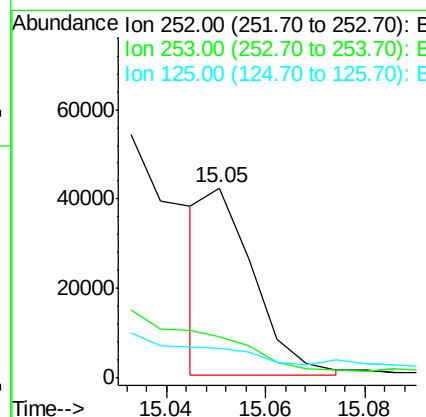
Manual Integrations
APPROVED

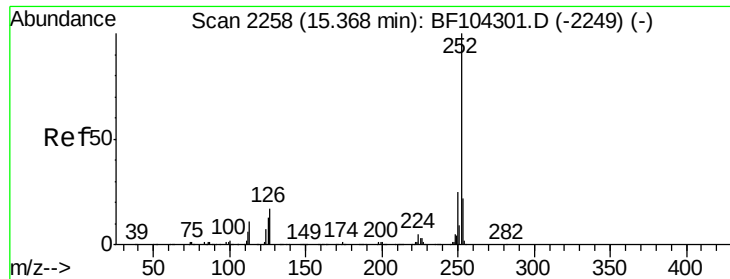
Sohil
4/27/2018 7:30:19 PM



#88
Benzo(k)fluoranthene
Concen: 2.989 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	15.5	10.2	15.2#





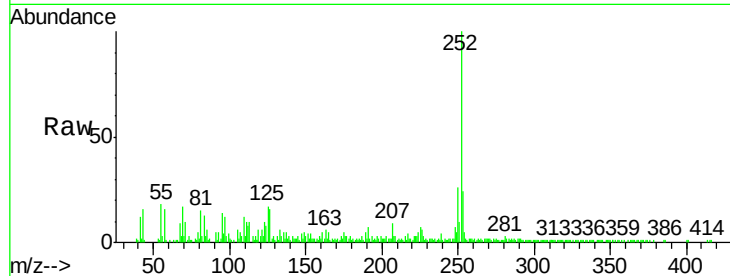
#89
Benzo(a)pyrene
Concen: 7.675 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Instrument :
BNA_F
ClientSampleId :
OR-01-042518-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	16.8	9.8	14.6

Manual Integrations
APPROVED

Sohil
4/27/2018 7:30:19 PM

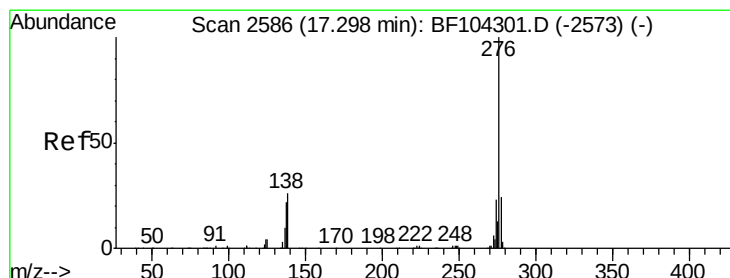
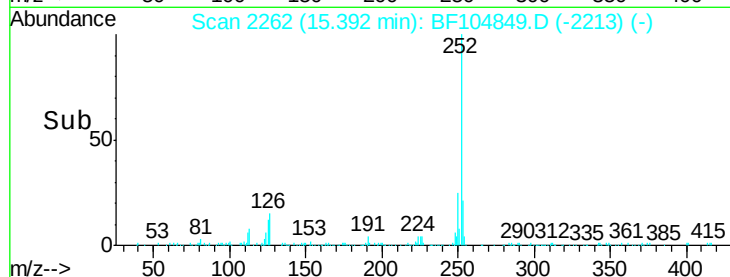
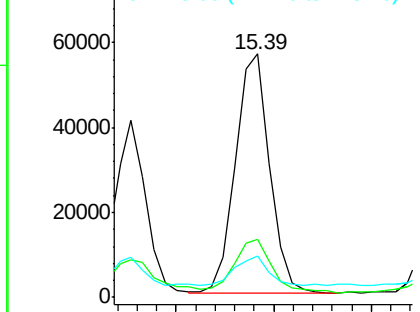


Abundance

Ion 252.00 (251.70 to 252.70): E

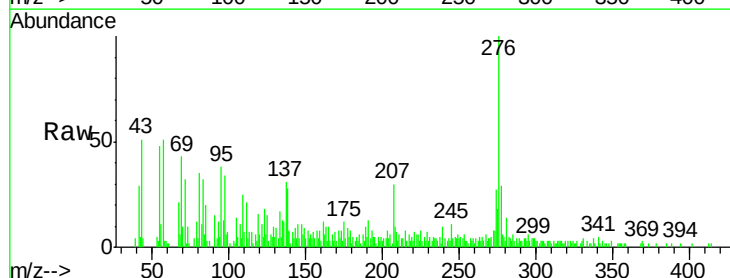
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.758 ng
RT: 17.36 min Scan# 2597
Delta R.T. -0.02 min
Lab File: BF104849.D
Acq: 26 Apr 2018 20:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.5	17.9	26.9
138	35.4	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

