

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072017\
 Data File : BF096931.D
 Acq On : 21 Jul 2017 4:32
 Operator : SJ/JU
 Sample : I4253-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-SSW

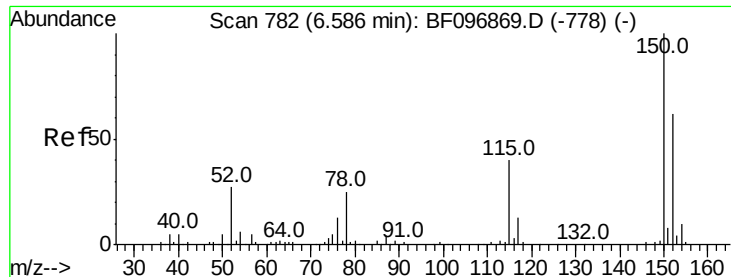
Manual Integrations
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 7/21/2017 1:06:11 PM

Quant Time: Jul 21 08:48:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	96635	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	477076	20.00	ng	-0.04
38) Acenaphthene-d10	9.60	164	168549	20.00	ng	-0.04
63) Phenanthrene-d10	11.07	188	265496	20.00	ng	-0.03
75) Chrysene-d12	13.70	240	211541	20.00	ng	-0.03
86) Perylene-d12	15.07	264	179462	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	942778	146.69	ng	-0.02
7) Phenol-d6	6.23	99	1019834	132.23	ng	-0.02
23) Nitrobenzene-d5	7.14	82	601670	78.12	ng	-0.03
41) 2,4,6-Tribromophenol	10.39	330	170837	118.74	ng	-0.04
44) 2-Fluorobiphenyl	8.93	172	1025407	96.12	ng	-0.03
78) Terphenyl-d14	12.66	244	577219	47.32	ng	-0.03
Target Compounds						Qvalue
10) Phenol	6.24	94	21359	2.450	ng	95
49) Dimethylphthalate	9.33	163	137989	10.873	ng	98
70) Phenanthrene	11.10	178	282447	19.566	ng	98
71) Anthracene	11.15	178	80647	5.525	ng	99
72) Carbazole	11.30	167	30046	2.126	ng	99
74) Fluoranthene	12.28	202	415368	30.061	ng	99
77) Pyrene	12.51	202	395799	20.616	ng	99
80) Benzo(a)anthracene	13.69	228	272424	20.669	ng	95
82) Chrysene	13.73	228	248295	19.135	ng	96
85) Indeno(1,2,3-cd)pyrene	16.34	276	158551	15.812	ng	92
87) Benzo(b)fluoranthene	14.70	252	325826m	30.103	ng	
88) Benzo(k)fluoranthene	14.72	252	124085m	12.107	ng	
89) Benzo(a)pyrene	15.02	252	284797	28.689	ng	98
90) Dibenzo(a,h)anthracene	16.35	278	36977	4.048	ng	# 88
91) Benzo(a,h,i)perylene	16.73	276	138693	14.179	ng	99

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



#1

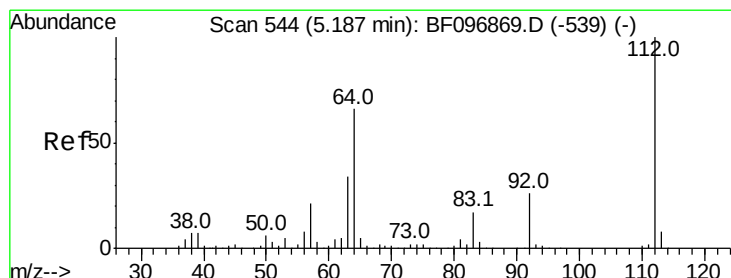
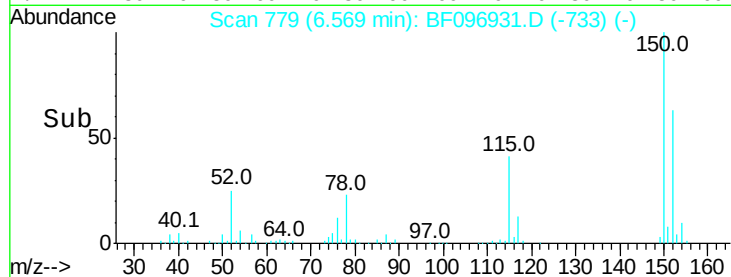
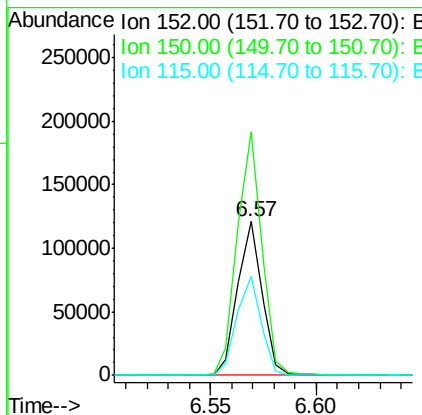
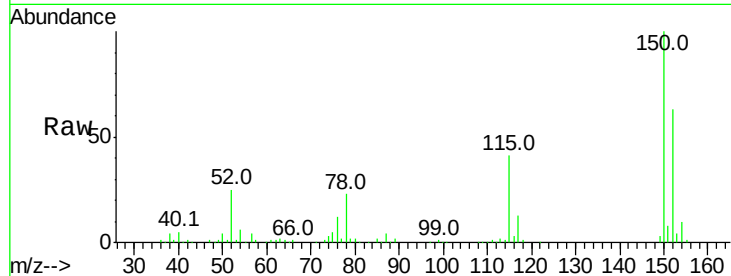
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.57 min Scan# 779
Delta R.T. -0.03 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

Instrument :
BNA_F
ClientSampled :
E2-O-P-6-7-SSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.2	189.2
115	64.5	52.2	78.2

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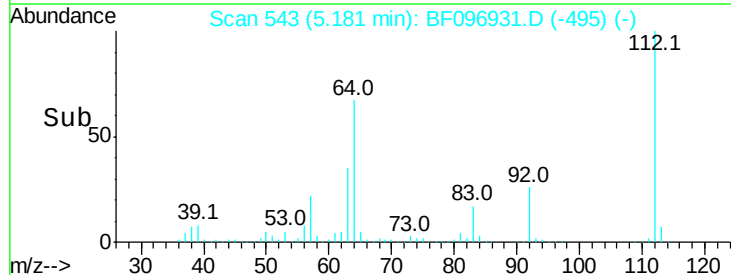
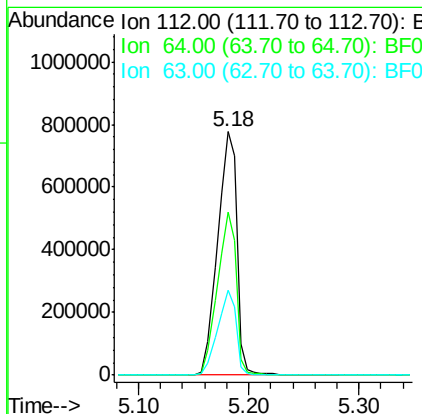
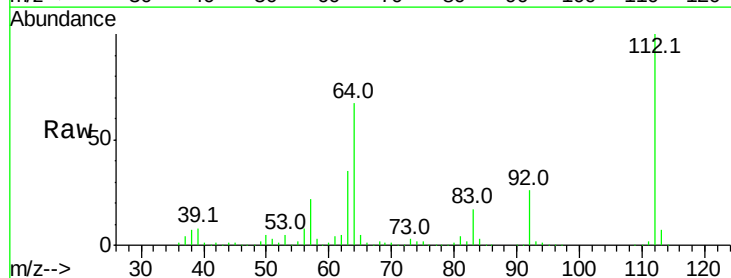
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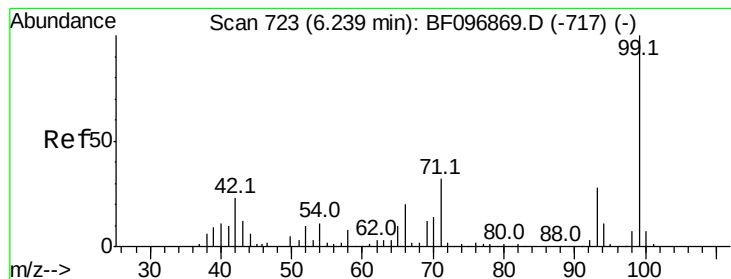


#5

2-Fluorophenol
Concen: 146.691 ng
RT: 5.18 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	46.0	69.0
63	34.7	23.4	35.0





#7

Phenol-d6

Concen: 132.230 ng

RT: 6.23 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF096931.D

Acq: 21 Jul 2017 4:32

Instrument :

BNA_F

ClientSampled :

E2-O-P-6-7-SSW

Tot Ion: 99 Resp: 1019834

Ion Ratio Lower Upper

99 100

42 21.0 13.5 20.3#

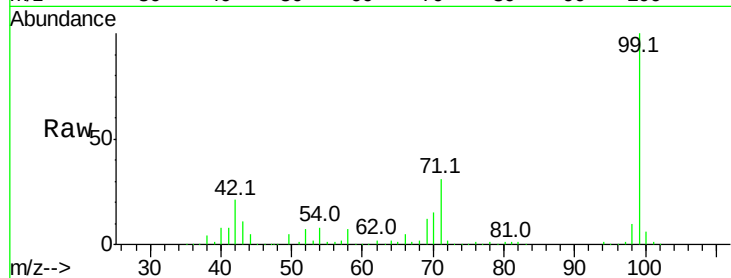
71 30.9 24.5 36.7

Manual Integrations

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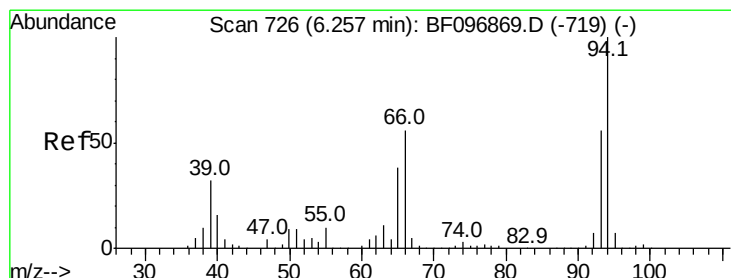
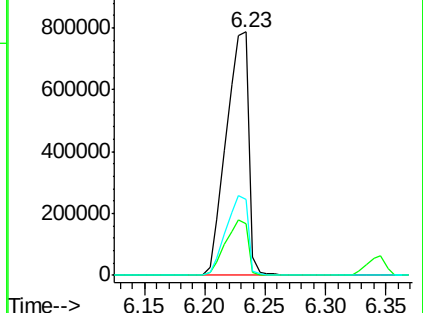
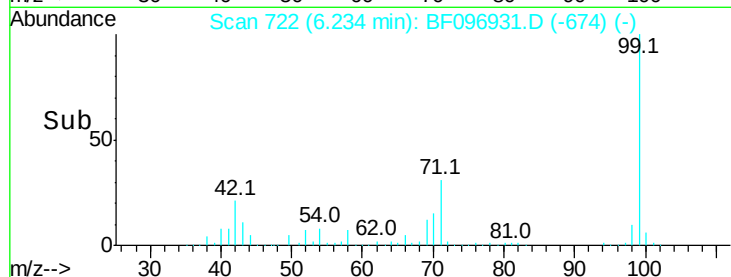
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.450 ng

RT: 6.24 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF096931.D

Acq: 21 Jul 2017 4:32

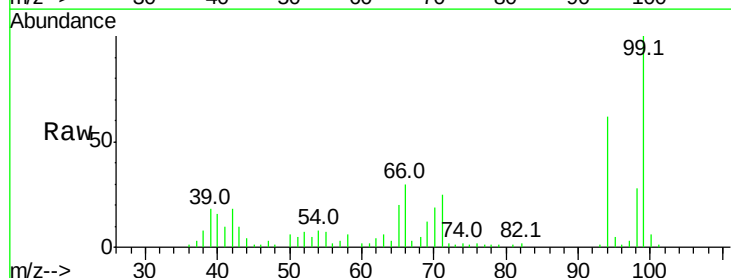
Tgt Ion: 94 Resp: 21359

Ion Ratio Lower Upper

94 100

65 31.3 9.9 49.9

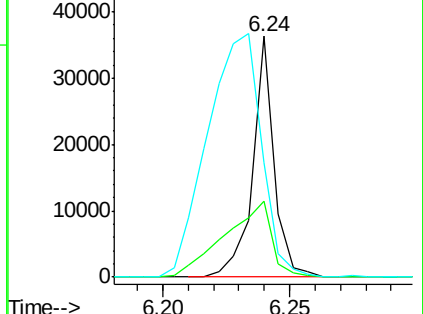
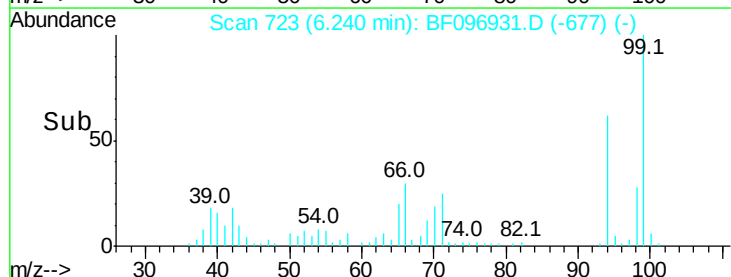
66 47.4 23.1 63.1

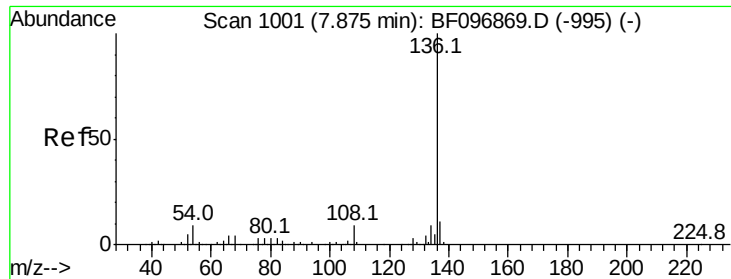


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





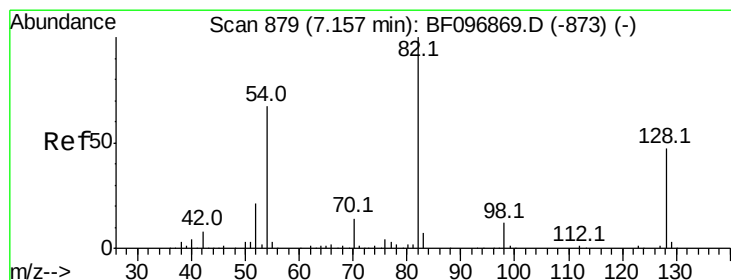
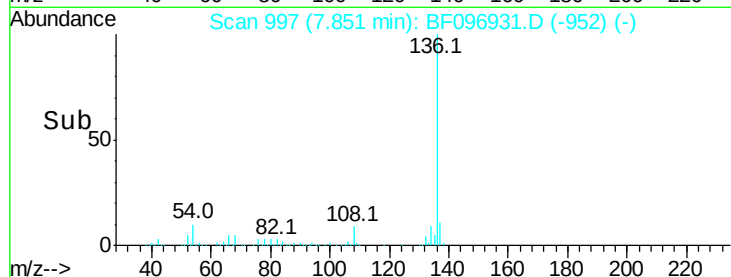
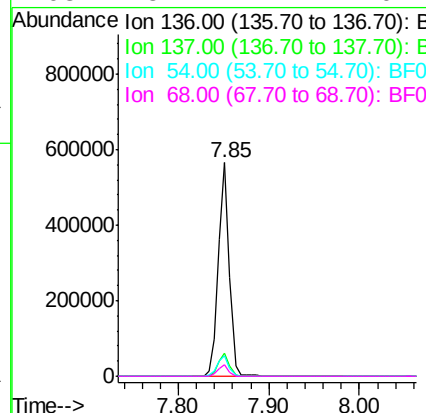
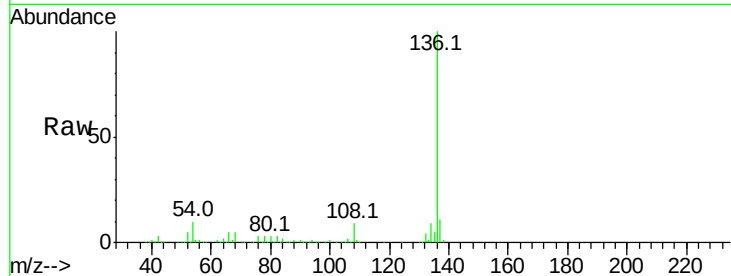
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.85 min Scan# 997
Delta R.T. -0.04 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-SSW

Tot Ion	Ratio	Resp	Lower	Upper
136	100	477076		
137	10.6	8.5	12.7	
54	9.8	4.9	7.3	
68	5.1	4.1	6.1	

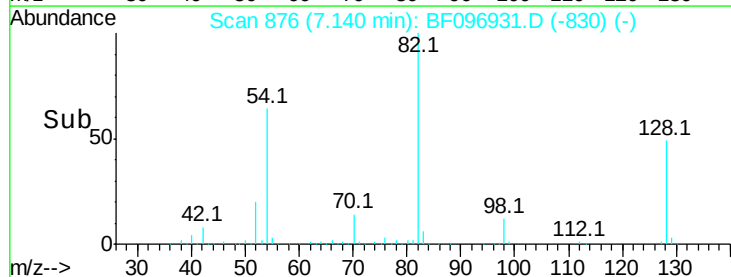
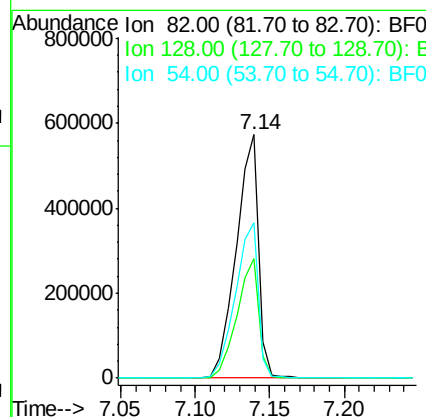
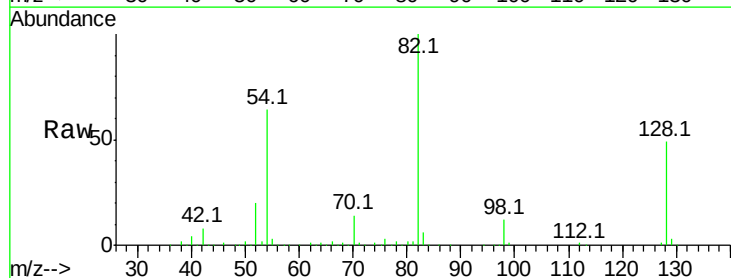
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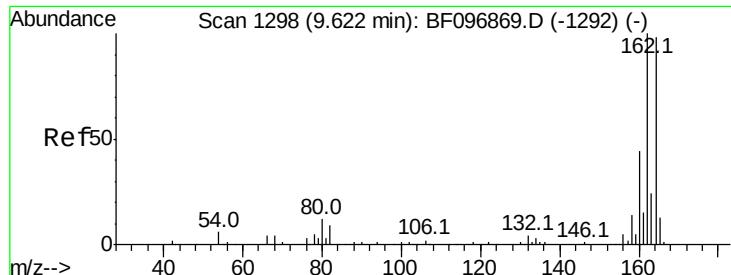
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#23
Nitrobenzene-d5
Concen: 78.117 ng
RT: 7.14 min Scan# 876
Delta R.T. -0.03 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	601670		
128	48.9	34.0	51.0	
54	63.6	42.2	63.2	





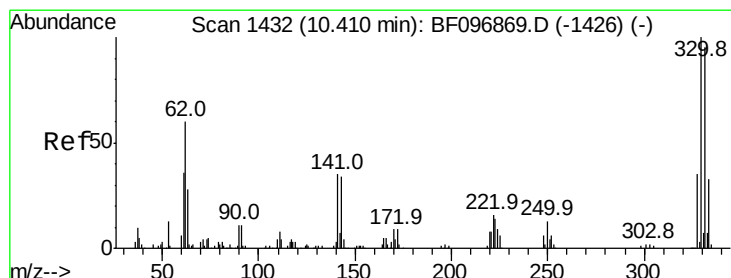
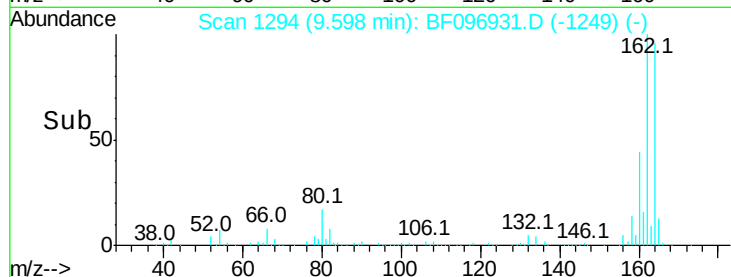
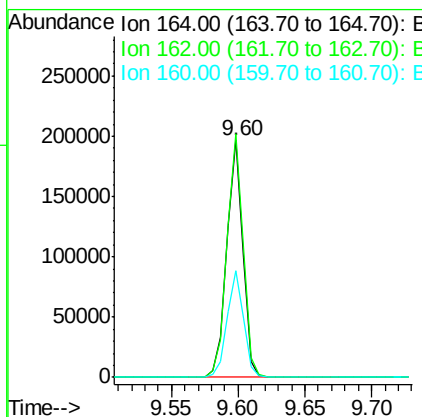
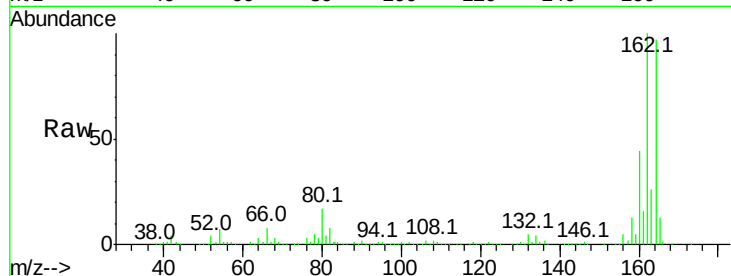
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.60 min Scan# 1294
 Delta R.T. -0.04 min
 Lab File: BF096931.D
 Acq: 21 Jul 2017 4:32

Instrument :
 BNA_F
 ClientSampled :
 E2-O-P-6-7-SSW

Tot Ion	Ratio	Resp	Lower	Upper
164	100	168549		
162	102.9	82.6	123.8	
160	45.3	36.2	54.2	

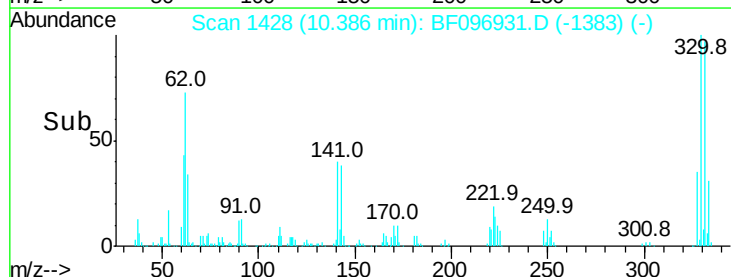
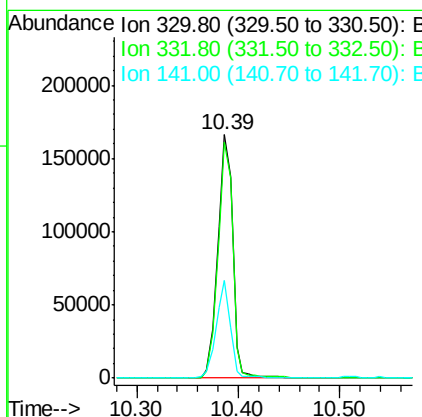
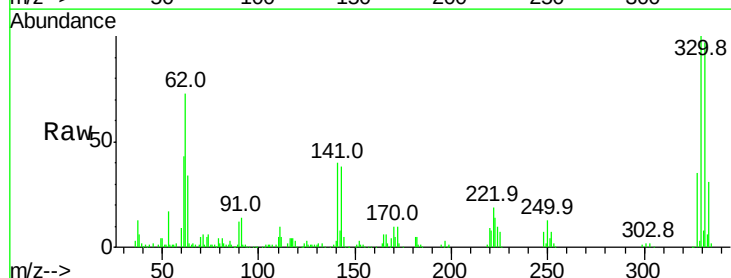
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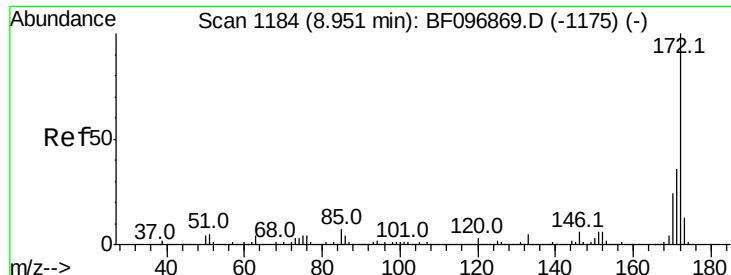
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#41
 2,4,6-Tribromophenol
 Concen: 118.743 ng
 RT: 10.39 min Scan# 1428
 Delta R.T. -0.04 min
 Lab File: BF096931.D
 Acq: 21 Jul 2017 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	170837		
332	96.0	76.6	115.0	
141	39.3	31.4	47.2	





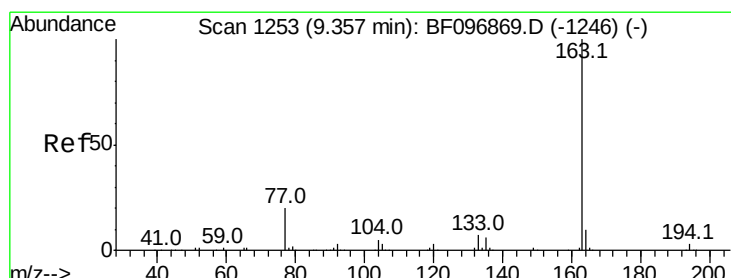
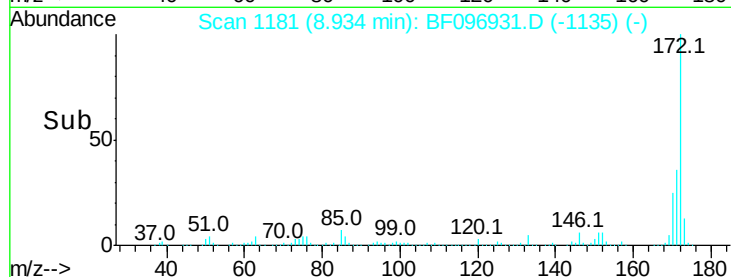
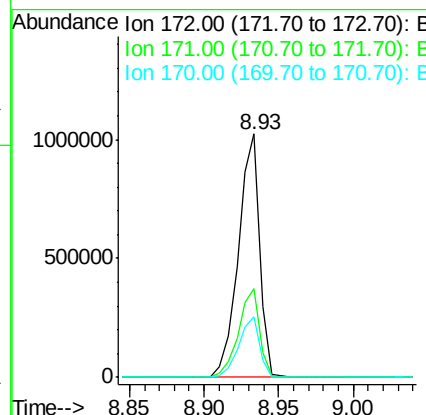
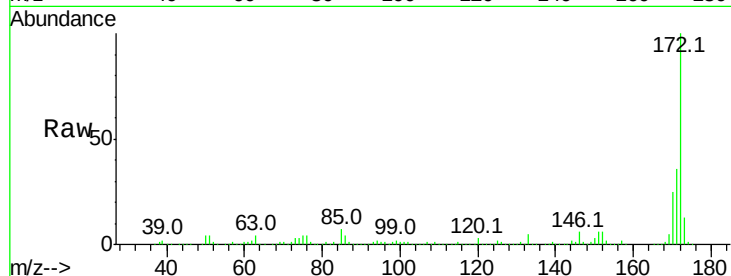
#44
2-Fluorobiphenyl
Concen: 96.118 ng
RT: 8.93 min Scan# 1181
Delta R.T. -0.03 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-SSW

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.9	19.8	29.8

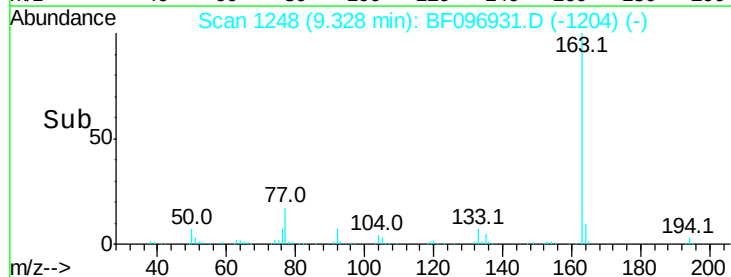
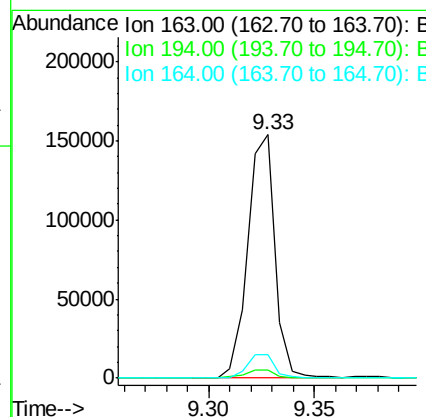
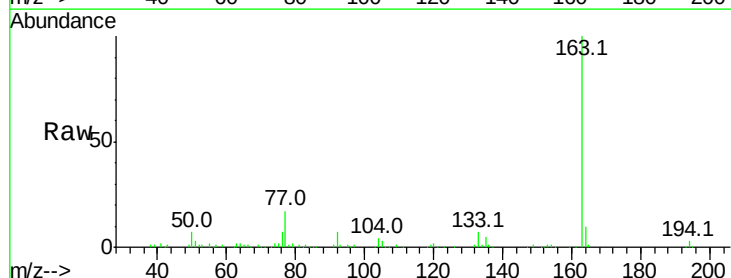
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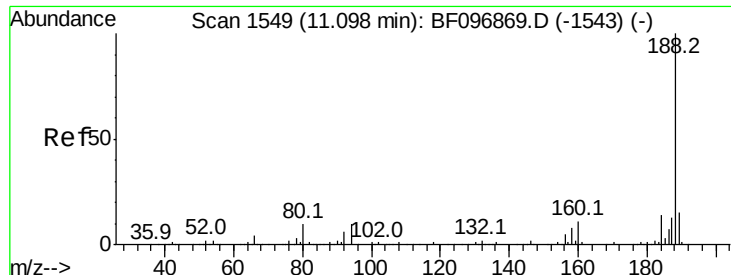
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#49
Dimethylphthalate
Concen: 10.873 ng
RT: 9.33 min Scan# 1248
Delta R.T. -0.04 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.6	8.4	12.6





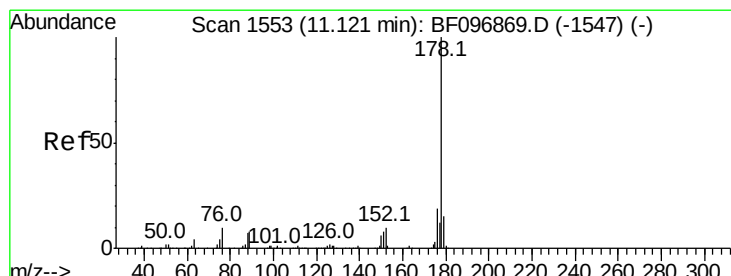
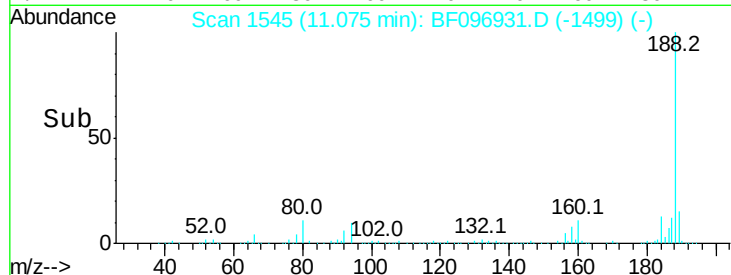
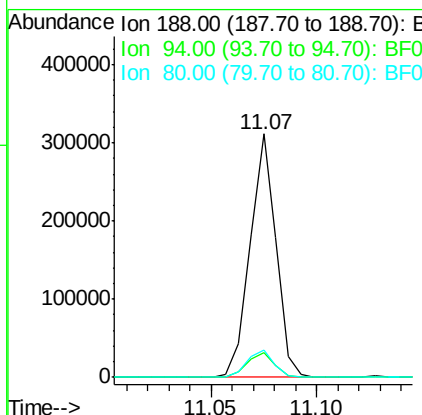
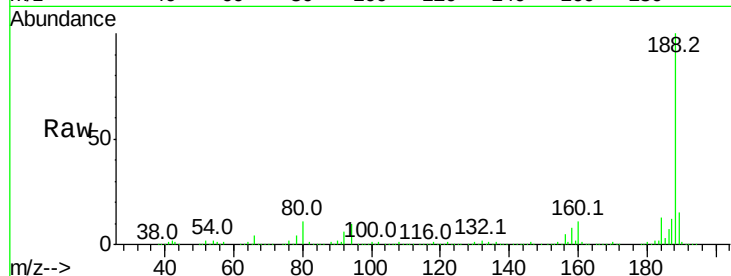
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.07 min Scan# 1545
Delta R.T. -0.03 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-SSW

Tot Ion	Ratio	Resp	Lower	Upper
188	100	265496		
94	10.4		9.4	14.2
80	11.0		10.2	15.2

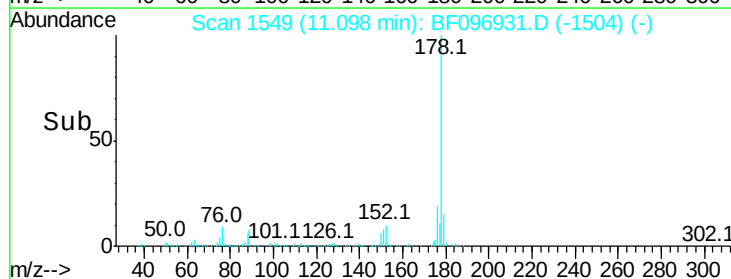
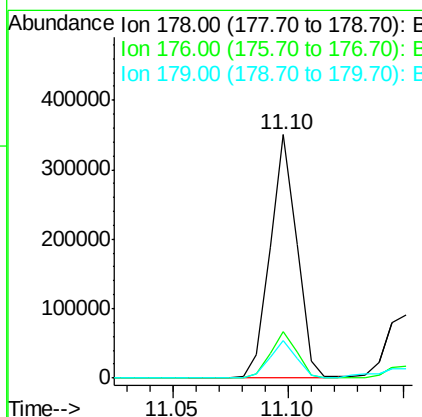
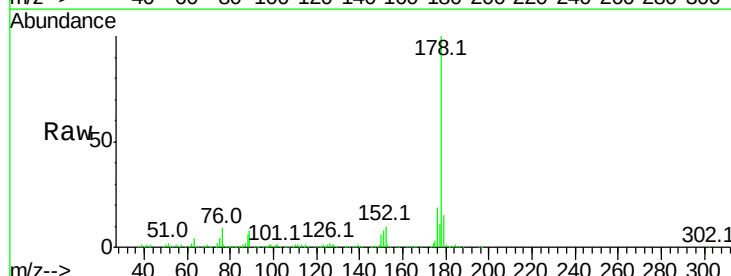
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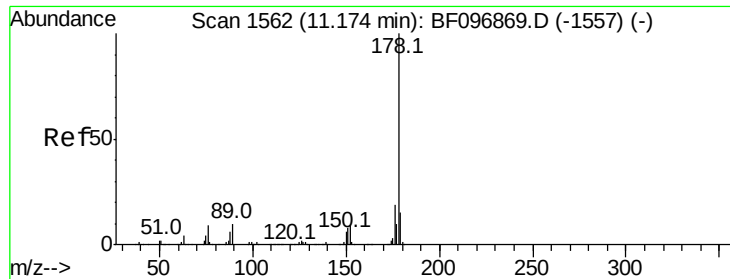
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#70
Phenanthrene
Concen: 19.566 ng
RT: 11.10 min Scan# 1549
Delta R.T. -0.04 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	282447		
176	19.2		16.2	24.4
179	15.2		12.6	19.0





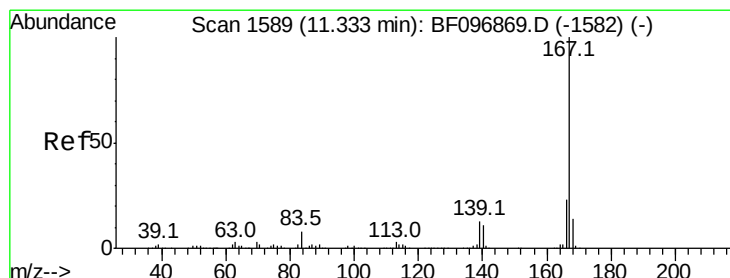
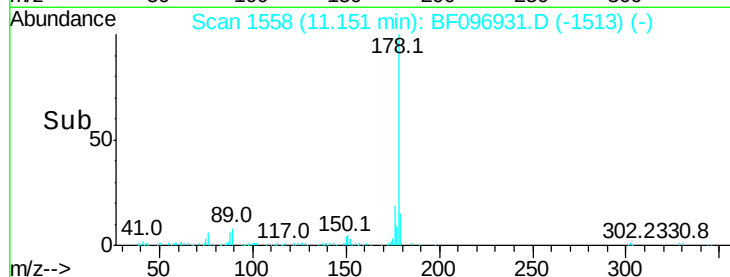
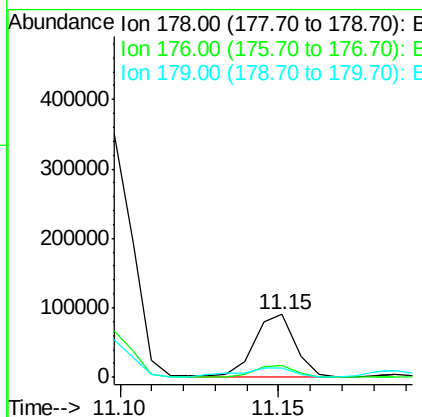
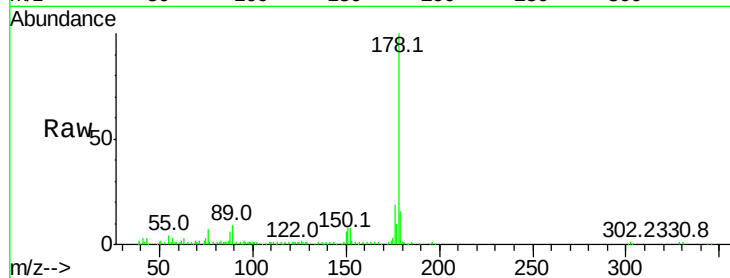
#71
 Anthracene
 Concen: 5.525 ng
 RT: 11.15 min Scan# 1558
 Delta R.T. -0.04 min
 Lab File: BF096931.D
 Acq: 21 Jul 2017 4:32

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-SSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.6	12.7	19.1

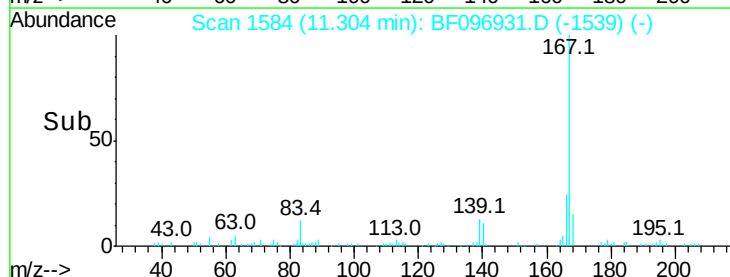
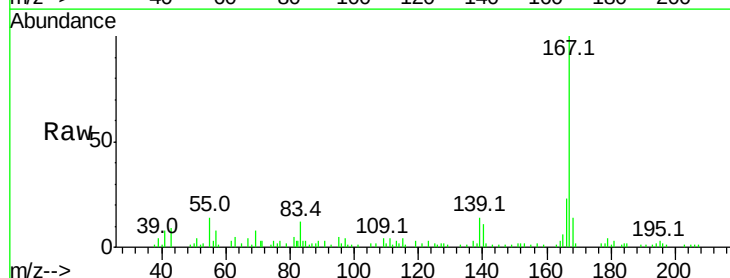
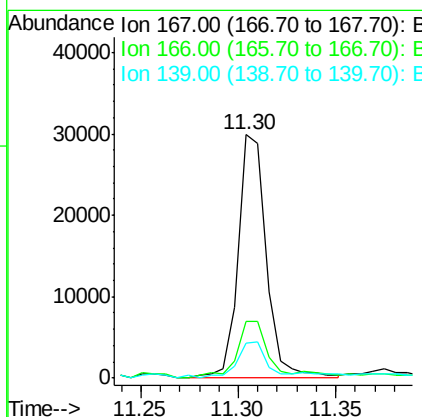
Manual Integrations
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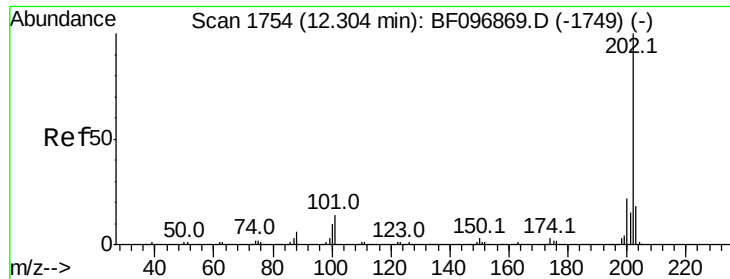
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#72
 Carbazole
 Concen: 2.126 ng
 RT: 11.30 min Scan# 1584
 Delta R.T. -0.04 min
 Lab File: BF096931.D
 Acq: 21 Jul 2017 4:32

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.3	18.1	27.1
139	14.3	11.7	17.5





#74

Fluoranthene

Concen: 30.061 ng

RT: 12.28 min Scan# 1750

Delta R.T. -0.04 min

Lab File: BF096931.D

Acq: 21 Jul 2017 4:32

Instrument :

BNA_F

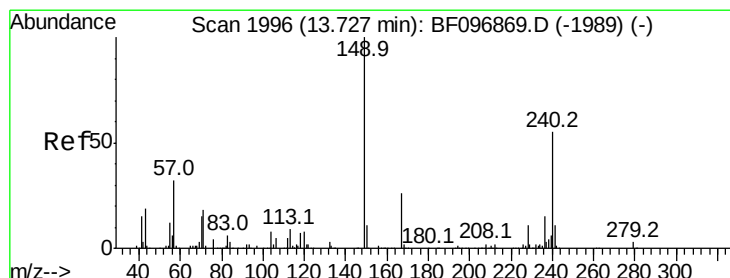
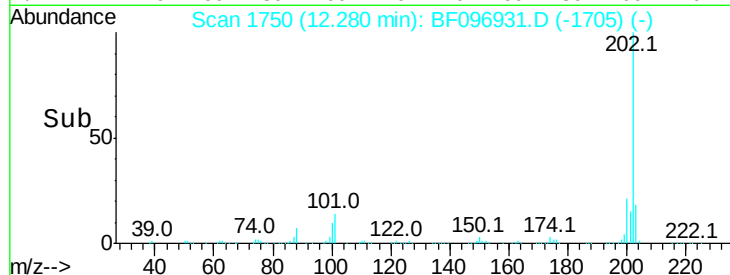
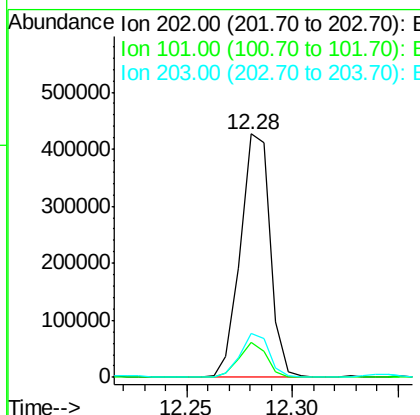
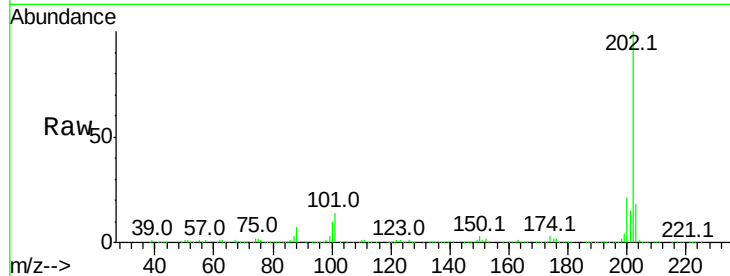
ClientSampleId :

E2-O-P-6-7-SSW

Tot Ion:	202	Resp:	415368
Ion Ratio		Lower	Upper
202	100		
101	14.1	0.0	33.2
203	18.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

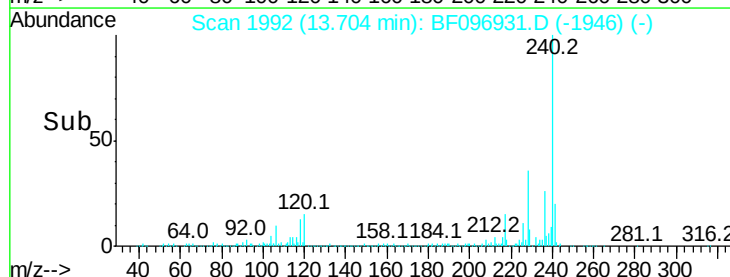
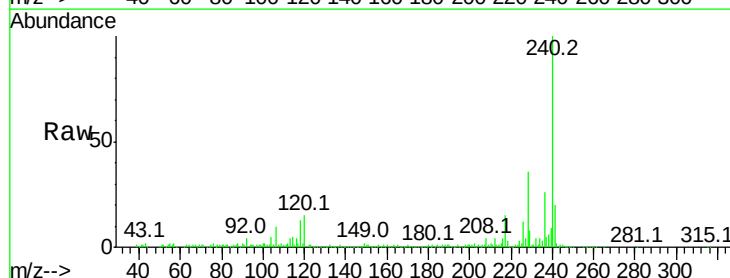
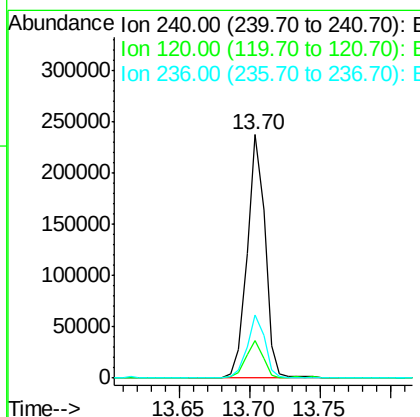
RT: 13.70 min Scan# 1992

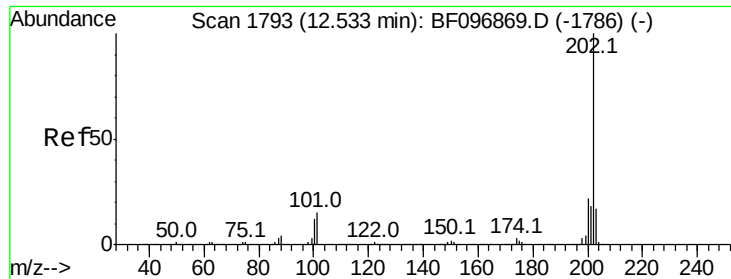
Delta R.T. -0.03 min

Lab File: BF096931.D

Acq: 21 Jul 2017 4:32

Tgt Ion:	240	Resp:	211541
Ion Ratio		Lower	Upper
240	100		
120	15.3	5.8	8.8#
236	25.7	20.5	30.7





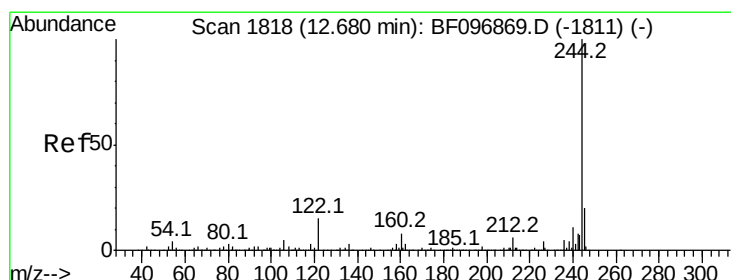
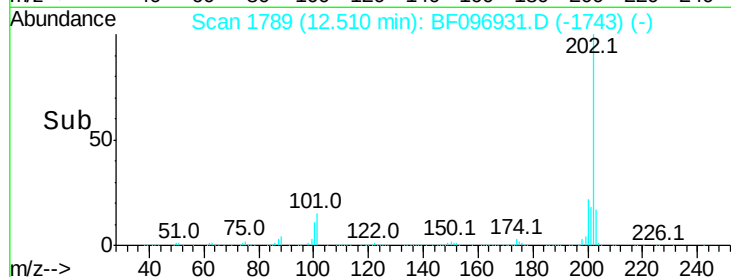
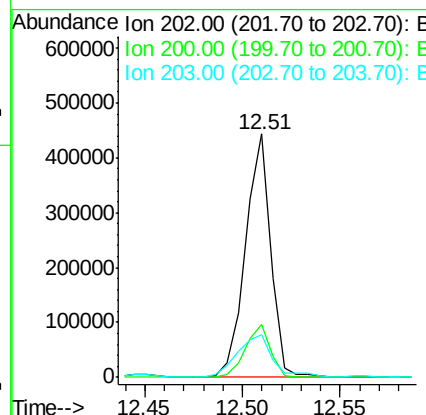
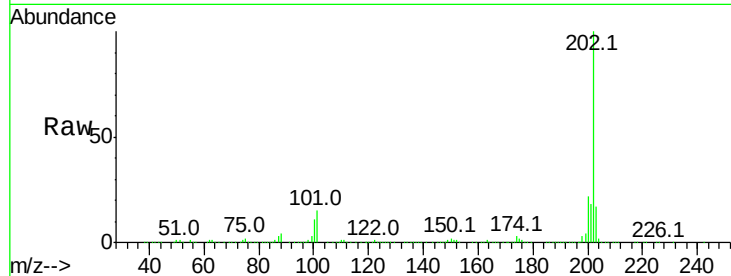
#77
Pvrene
Concen: 20.616 ng
RT: 12.51 min Scan# 1789
Delta R.T. -0.03 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-SSW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.7	17.6	26.4
203	17.3	14.4	21.6

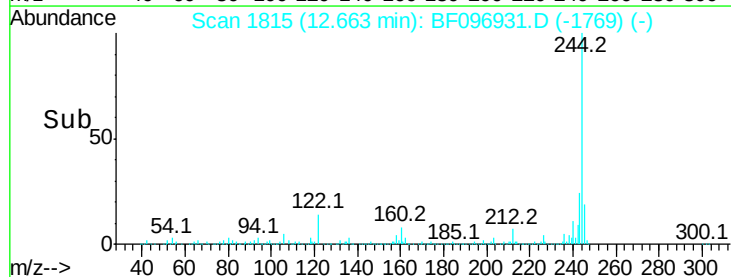
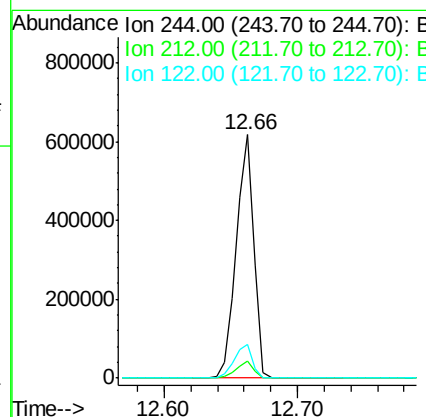
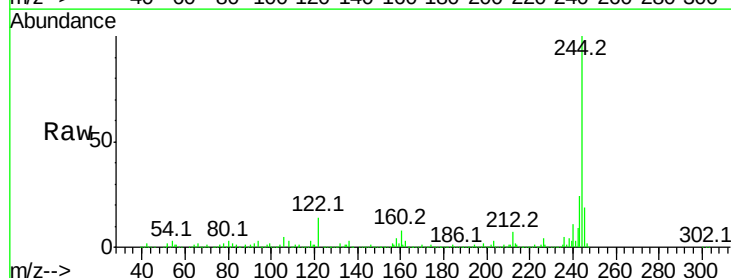
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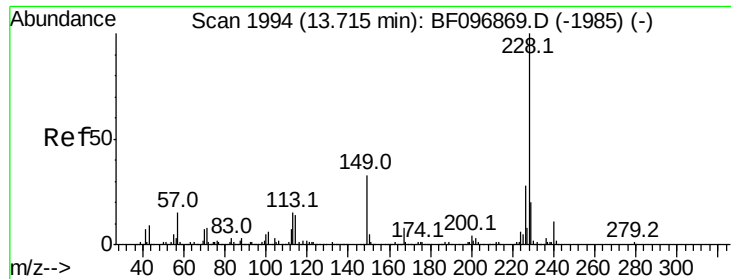
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#78
Terphenyl-d14
Concen: 47.322 ng
RT: 12.66 min Scan# 1815
Delta R.T. -0.03 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.8	10.3	15.5





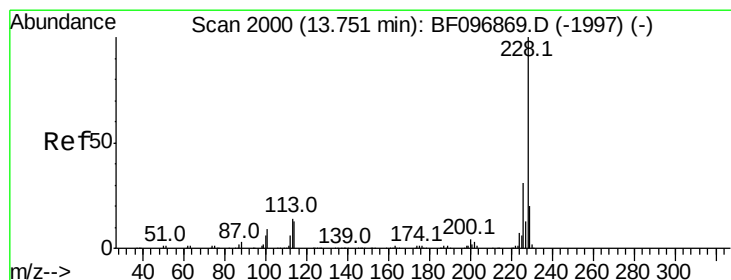
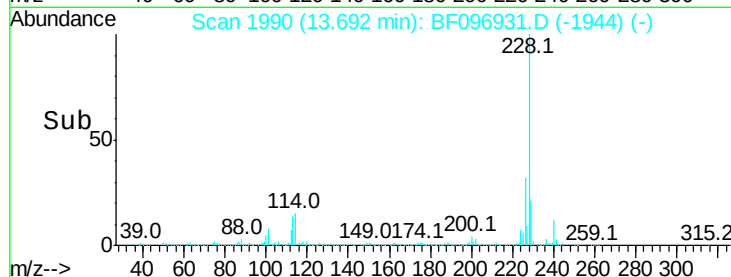
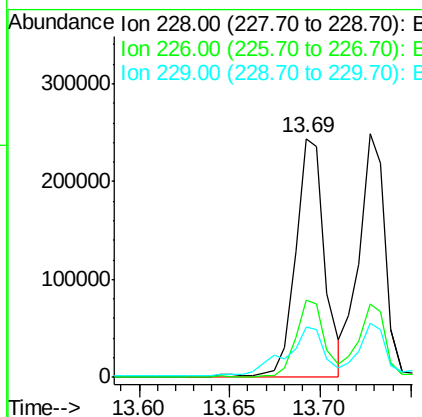
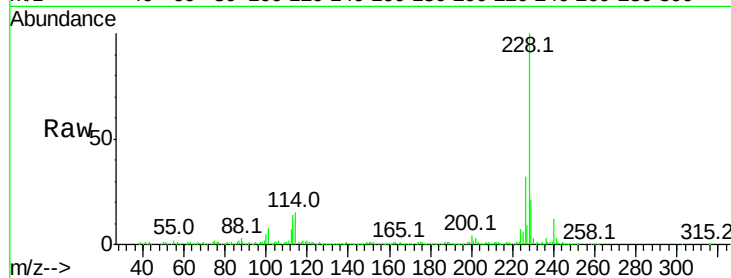
#80
Benzo(a)anthracene
Concen: 20.669 ng
RT: 13.69 min Scan# 1990
Delta R.T. -0.03 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-SSW

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.6	33.8
229	21.3	16.3	24.5

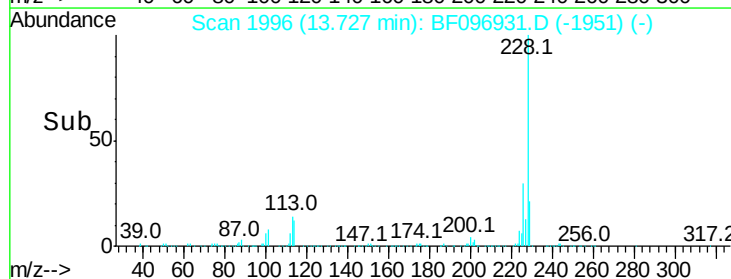
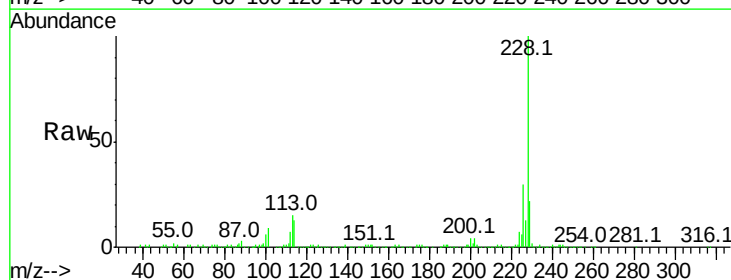
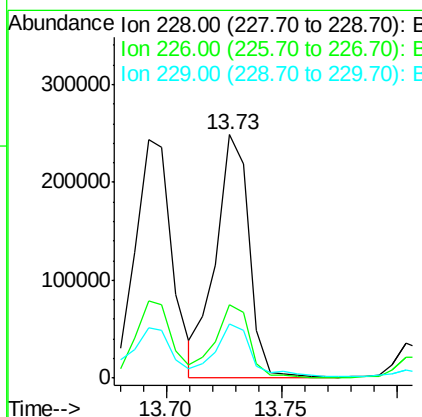
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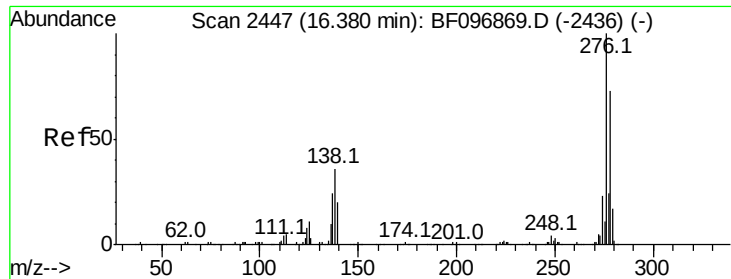
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#82
Chrysene
Concen: 19.135 ng
RT: 13.73 min Scan# 1996
Delta R.T. -0.04 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.9	37.3
229	22.4	15.8	23.6





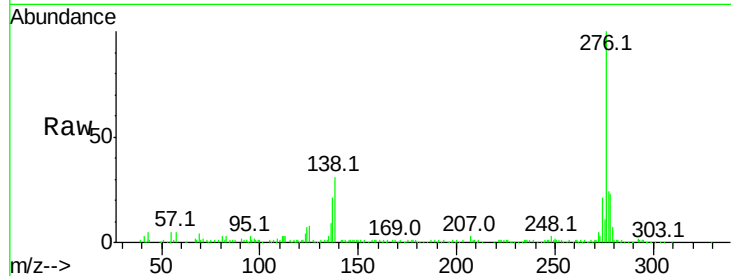
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.812 ng
RT: 16.34 min Scan# 2441
Delta R.T. -0.05 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-SSW

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.3	27.8	41.6
277	23.5	20.2	30.4

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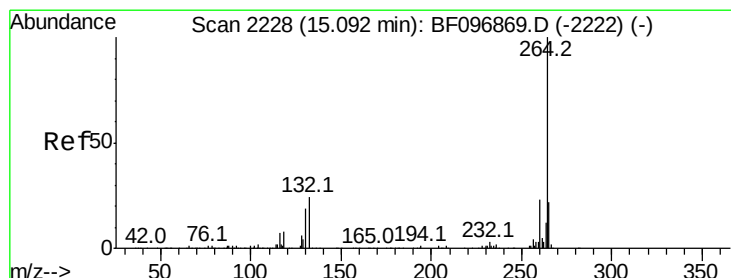
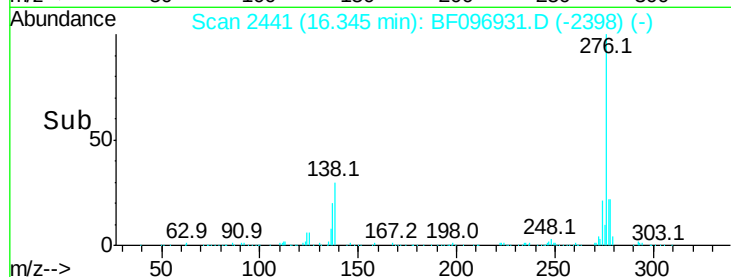
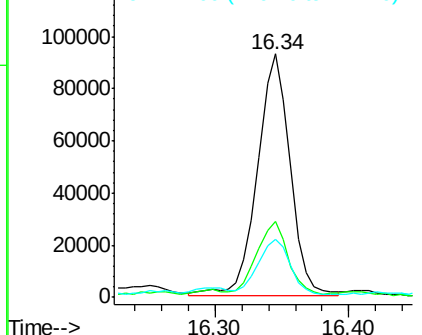


Abundance

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



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.07 min Scan# 2225
Delta R.T. -0.03 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

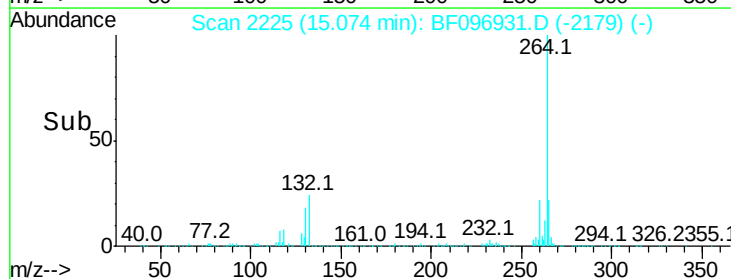
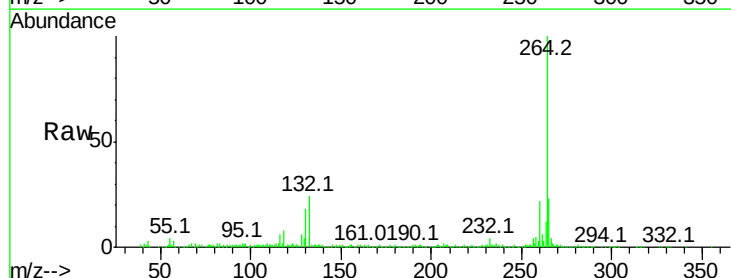
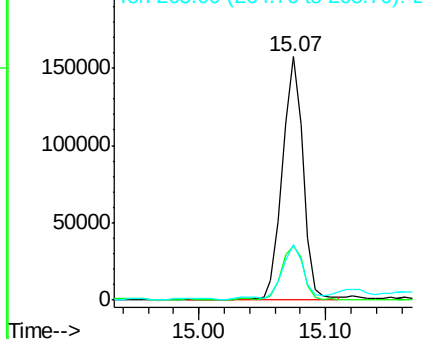
Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.5	29.3
265	22.6	17.2	25.8

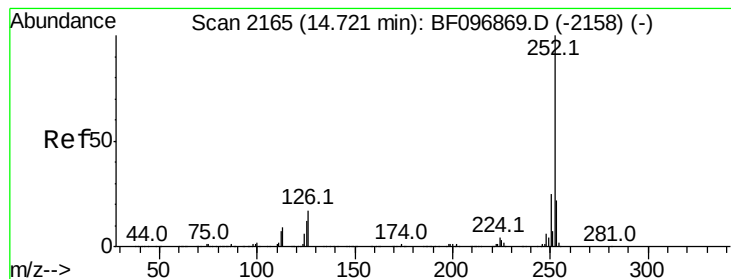
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 30.103 ng m

RT: 14.70 min Scan# 2162

Delta R.T. -0.02 min

Lab File: BF096931.D

Acq: 21 Jul 2017 4:32

Instrument :

BNA_F

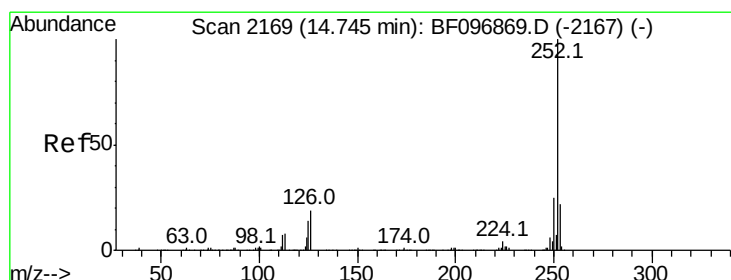
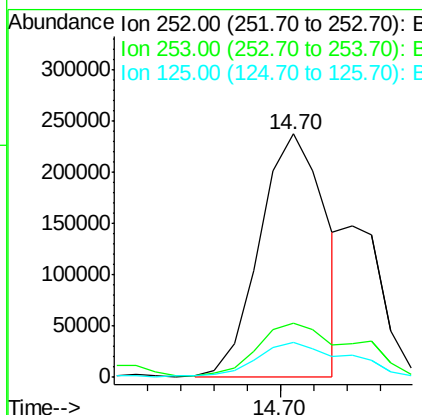
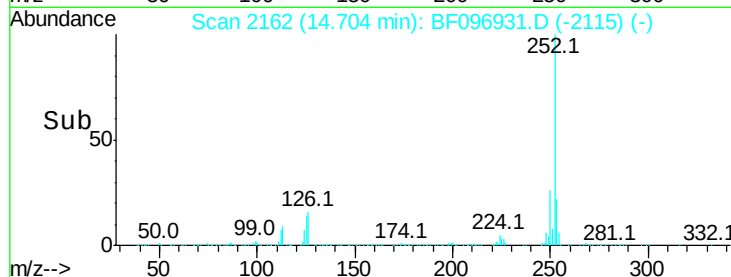
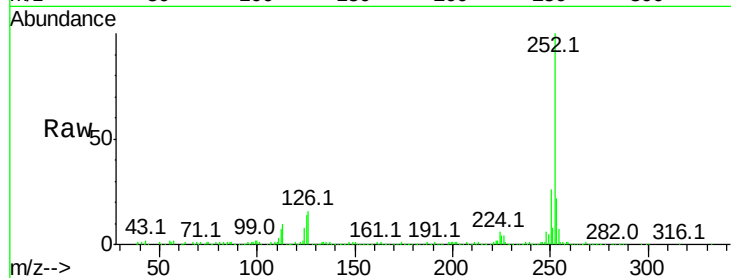
ClientSampleId :

E2-O-P-6-7-SSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	14.4	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 12.107 ng m

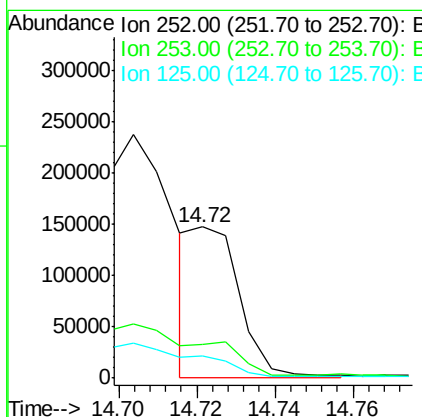
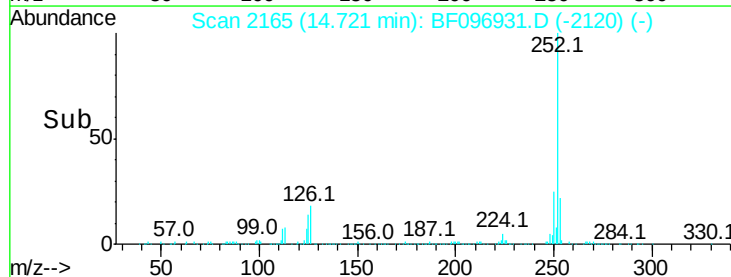
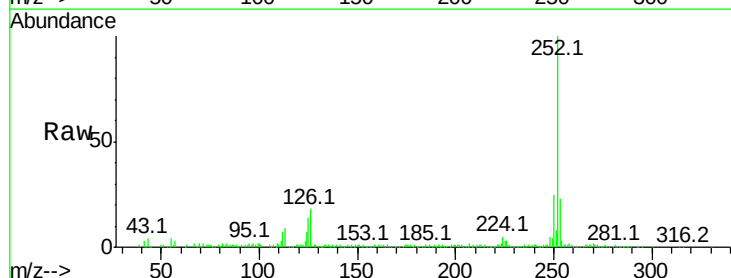
RT: 14.72 min Scan# 2165

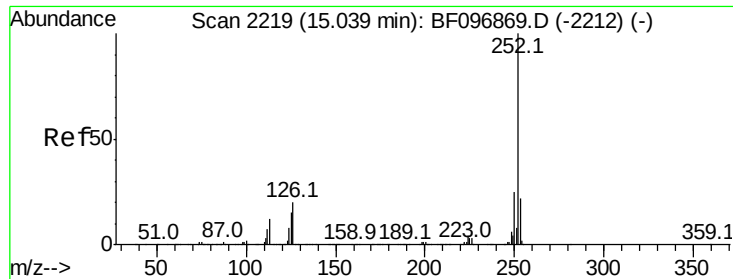
Delta R.T. -0.04 min

Lab File: BF096931.D

Acq: 21 Jul 2017 4:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	14.3	13.1	19.7





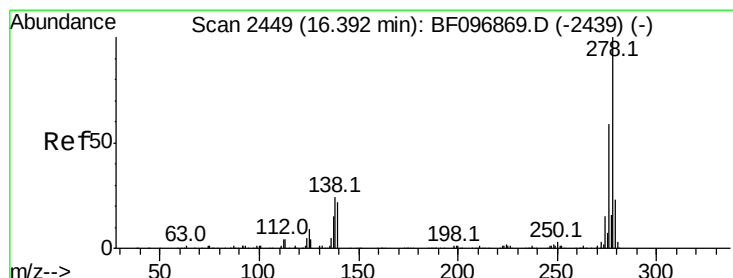
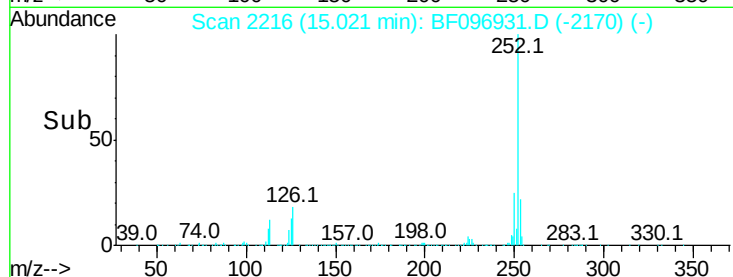
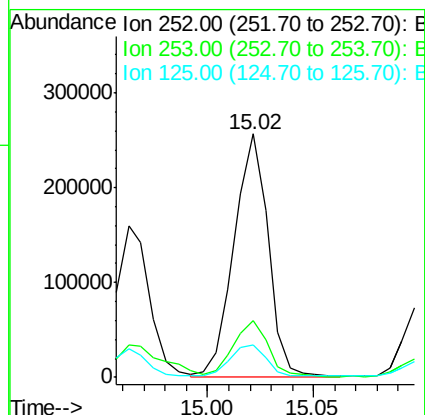
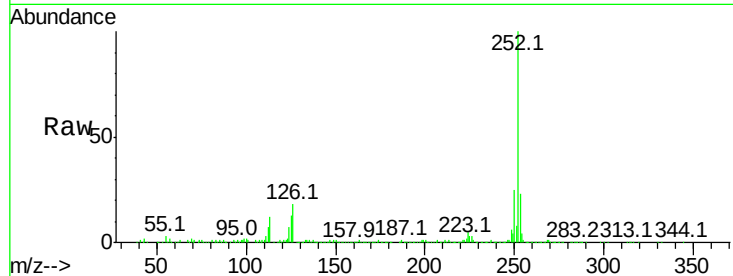
#89
Benzo(a)pyrene
Concen: 28.689 ng
RT: 15.02 min Scan# 2216
Delta R.T. -0.03 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-SSW

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.1	17.5	26.3
125	13.2	11.0	16.4

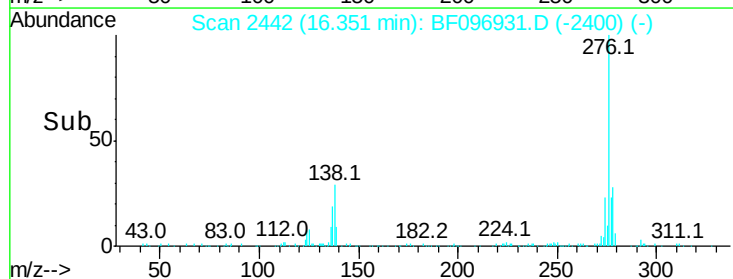
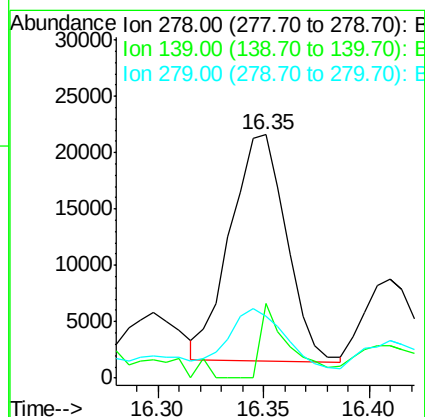
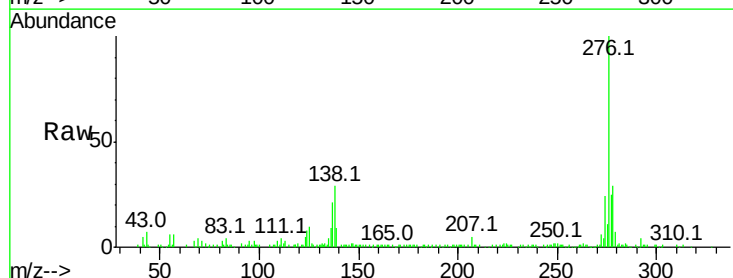
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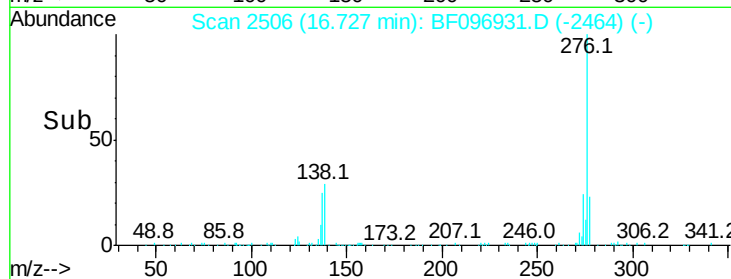
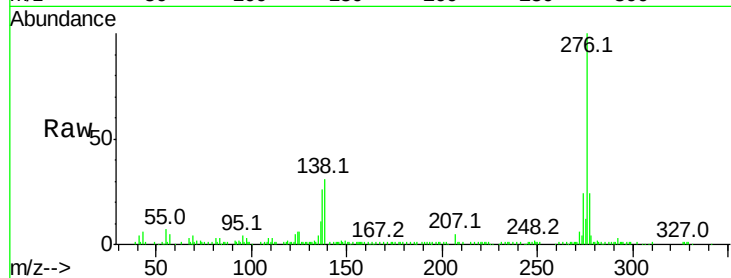
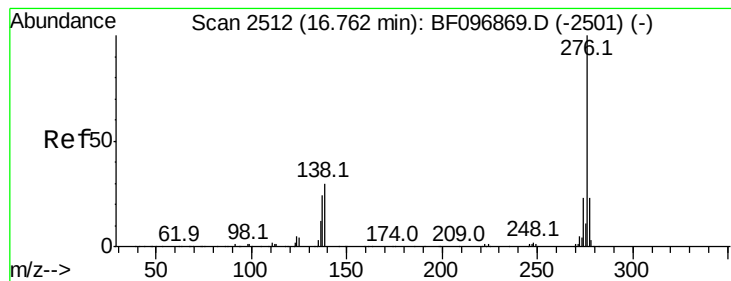
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 4.048 ng
RT: 16.35 min Scan# 2442
Delta R.T. -0.05 min
Lab File: BF096931.D
Acq: 21 Jul 2017 4:32

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	30.8	16.6	24.8#
279	25.6	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 14.179 ng

RT: 16.73 min Scan# 2506

Delta R.T. -0.05 min

Lab File: BF096931.D

Acq: 21 Jul 2017 4:32

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-SSW

Tot Ion:	276	Resp:	138693
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.6	28.0
138	31.4	25.4	38.0

Manual Integrations
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