

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094235.D
 Acq On : 6 Apr 2017 18:27
 Operator : SJ/MA
 Sample : I2538-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOCUST-ST-IP(3-5)

Manual Integrations
 APPROVED

mohammad
 4/7/2017 5:20:59 PM

Quant Time: Apr 06 19:00:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	166015	20.00	ng	0.00
21) Naphthalene-d8	7.35	136	679933	20.00	ng	-0.01
38) Acenaphthene-d10	9.49	164	320321	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	575350	20.00	ng	0.00
75) Chrysene-d12	14.56	240	417991	20.00	ng	-0.01
86) Perylene-d12	16.19	264	289986	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.39	112	1089510	110.85	ng	0.00
7) Phenol-d6	5.46	99	1416106	116.46	ng	0.00
23) Nitrobenzene-d5	6.50	82	865459	72.64	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	307656	121.54	ng	0.00
44) 2-Fluorobiphenyl	8.68	172	1387465	66.07	ng	0.00
78) Terphenyl-d14	13.30	244	1093313	58.63	ng	0.00
Target Compounds						
10) Phenol	5.47	94	108237	7.82	ng	Qvalue 91
49) Dimethylphthalate	9.17	163	176591	7.76	ng	99
70) Phenanthrene	11.35	178	260128	8.13	ng	98
74) Fluoranthene	12.80	202	345496	10.54	ng	99
77) Pyrene	13.08	202	313762	10.34	ng	98
80) Benzo(a)anthracene	14.55	228	125981	5.17	ng	98
82) Chrysene	14.59	228	124440	5.50	ng	97
85) Indeno(1,2,3-cd)pyrene	17.50	276	45034	2.30	ng	# 92
87) Benzo(b)fluoranthene	15.79	252	109774m	6.18	ng	
88) Benzo(k)fluoranthene	15.81	252	34989m	2.01	ng	
89) Benzo(a)pyrene	16.13	252	77766	4.75	ng	# 95
91) Benzo(a,h,i)perylene	17.89	276	44126	3.16	ng	97

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

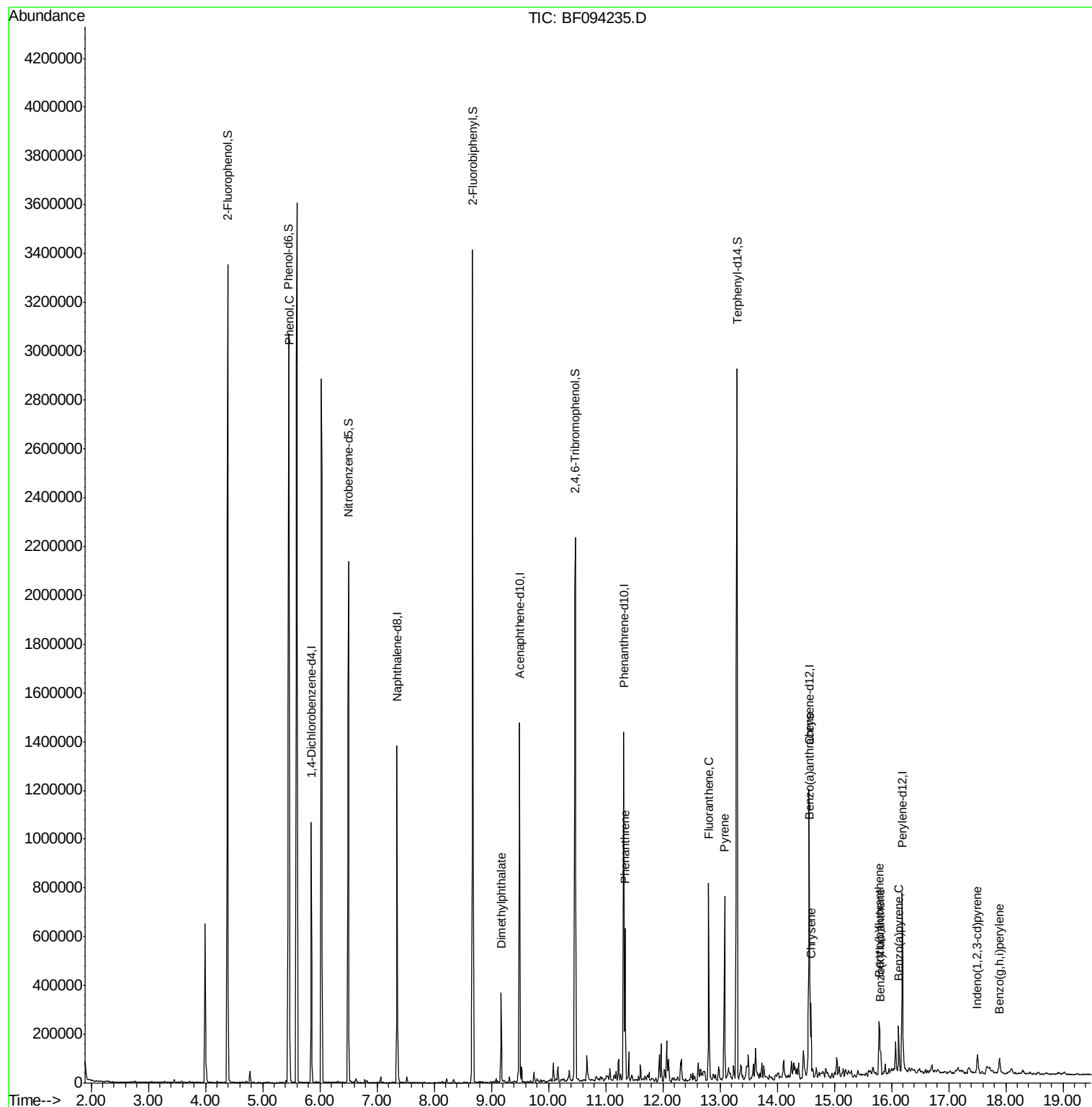
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094235.D
Acq On : 6 Apr 2017 18:27
Operator : SJ/MA
Sample : I2538-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

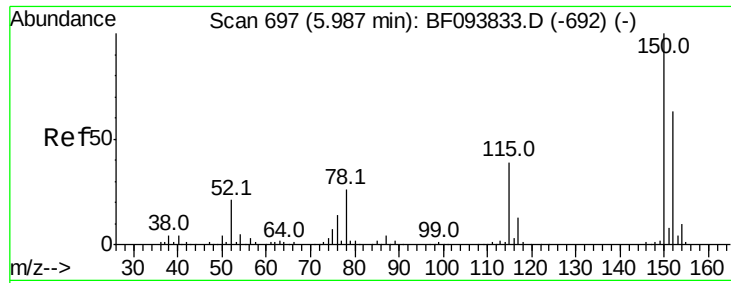
Instrument :
BNA_F
ClientSampleId :
LOCUST-ST-IP(3-5)

Manual Integrations
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Quant Time: Apr 06 19:00:20 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
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#1

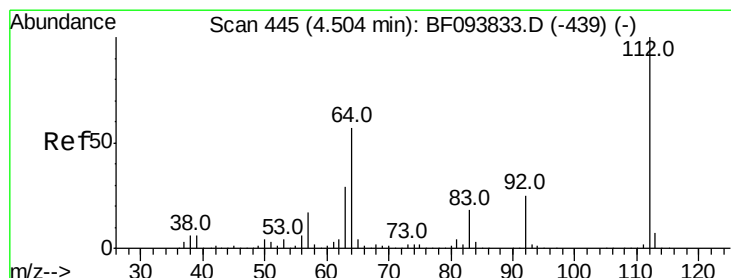
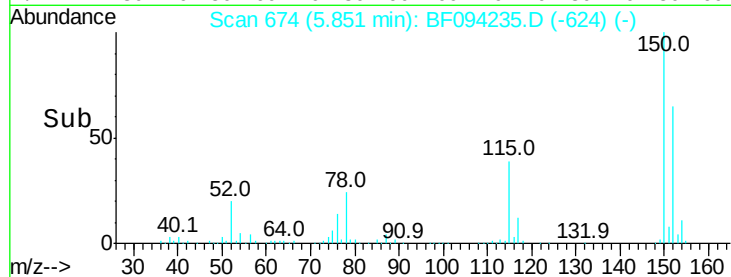
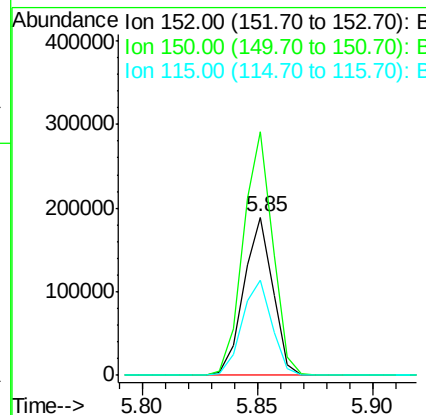
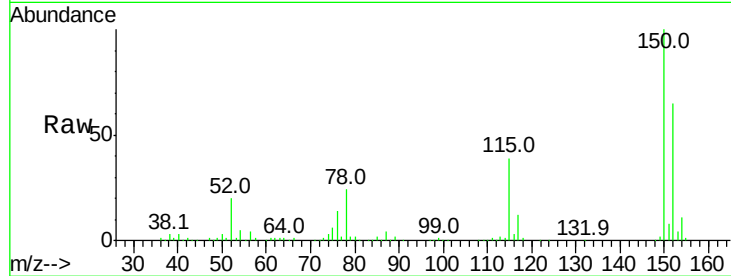
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Instrument :
BNA_F
ClientSampleId :
LOCUST-ST-IP(3-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.2	189.2
115	60.4	52.2	78.2

Manual Integrations
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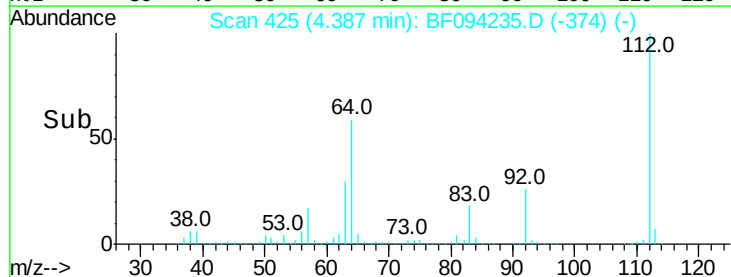
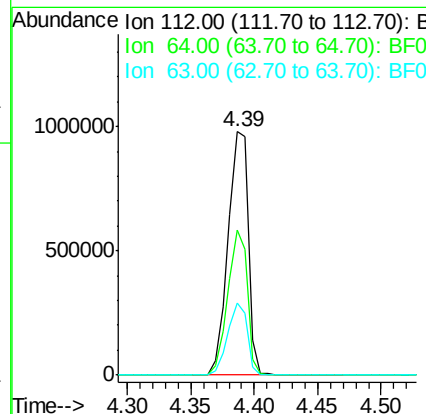
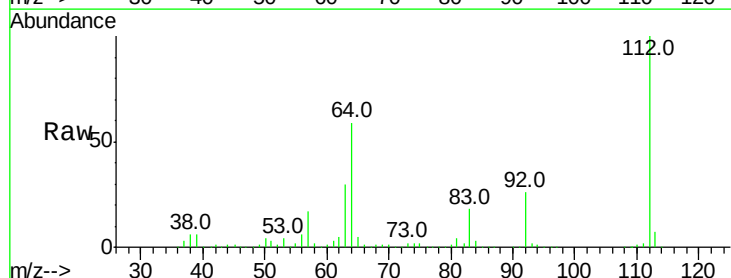
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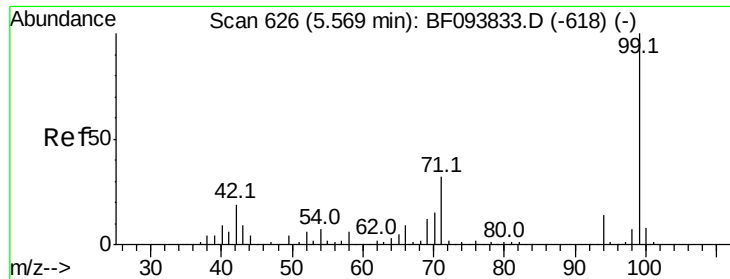


#5

2-Fluorophenol
Concen: 110.85 ng
RT: 4.39 min Scan# 425
Delta R.T. -0.00 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.0	69.0
63	29.6	23.4	35.0





#7

Phenol-d6

Concen: 116.46 ng

RT: 5.46 min Scan# 607

Delta R.T. -0.01 min

Lab File: BF094235.D

Acq: 6 Apr 2017 18:27

Instrument :

BNA_F

ClientSampleId :

LOCUST-ST-IP(3-5)

Tot Ion: 99 Resp: 1416106

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

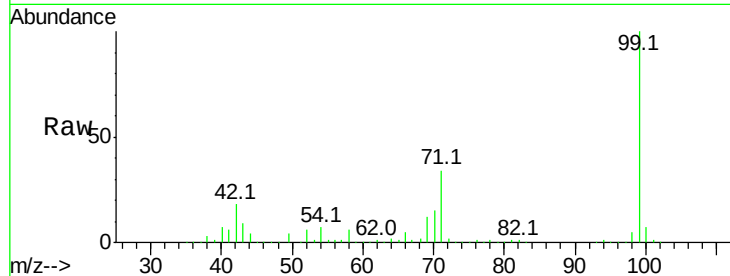
71 33.7 24.5 36.7

Manual Integrations

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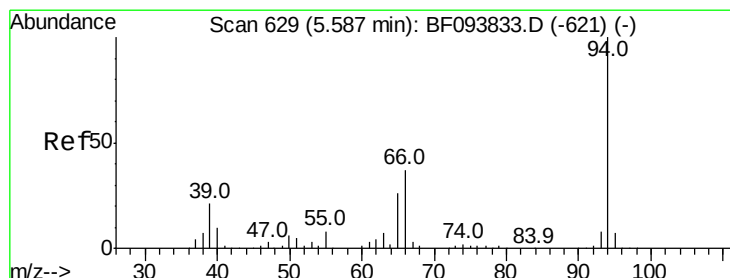
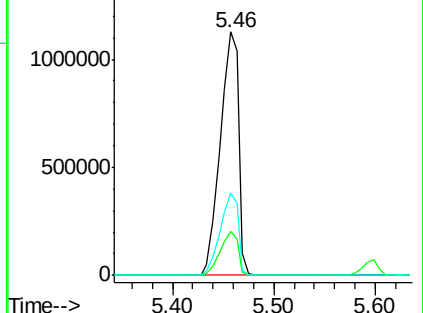
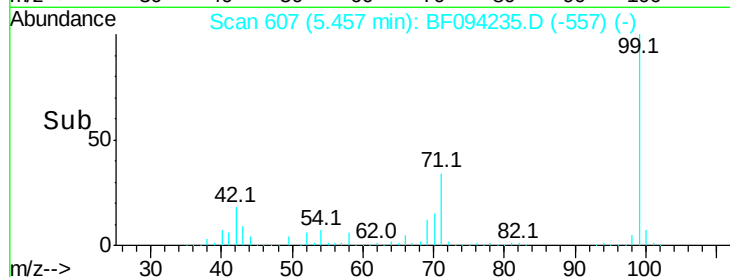
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 7.82 ng

RT: 5.47 min Scan# 609

Delta R.T. -0.01 min

Lab File: BF094235.D

Acq: 6 Apr 2017 18:27

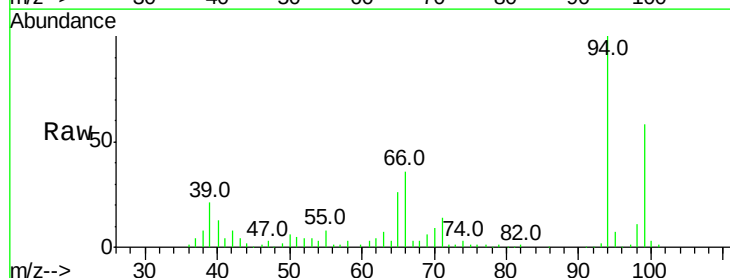
Tgt Ion: 94 Resp: 108237

Ion Ratio Lower Upper

94 100

65 26.3 9.9 49.9

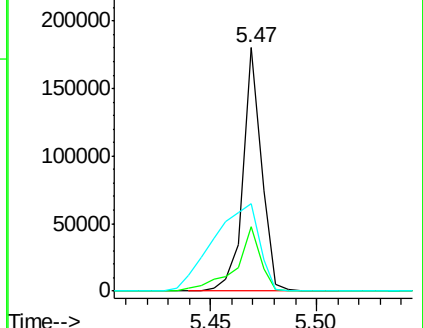
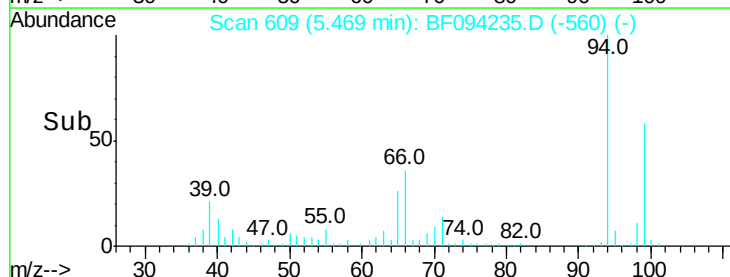
66 36.0 23.1 63.1

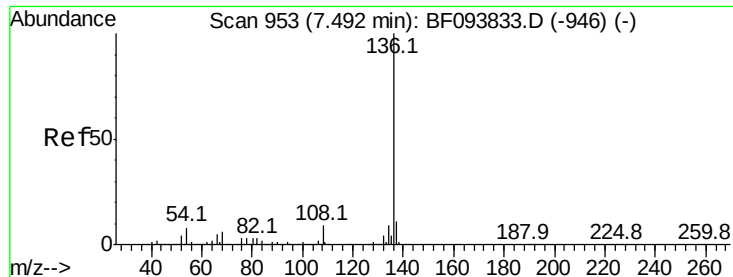


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





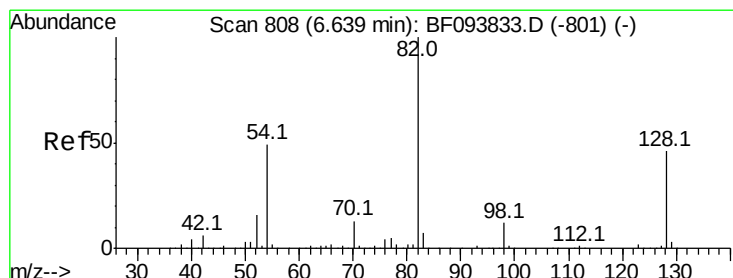
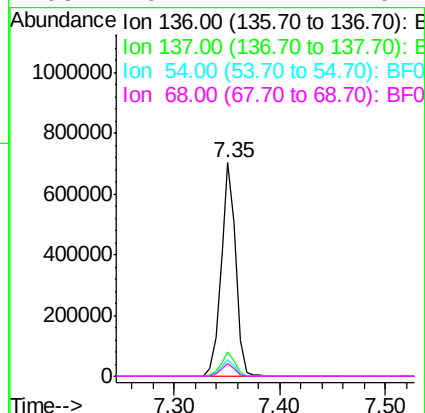
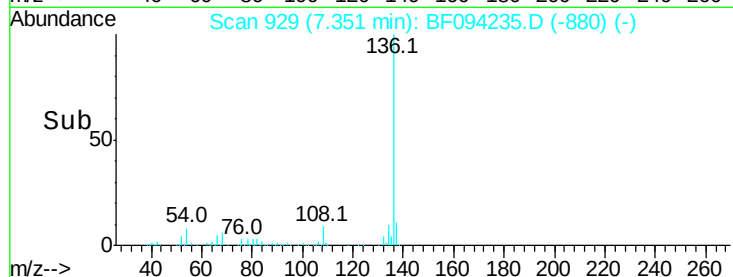
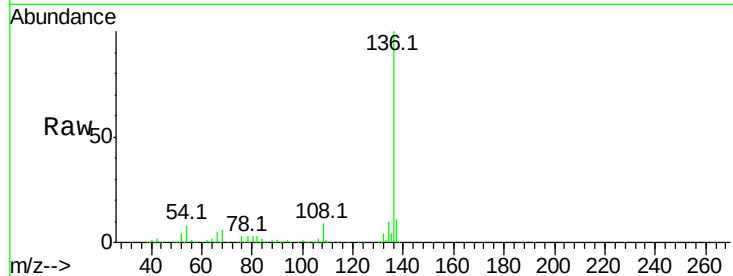
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.35 min Scan# 929
Delta R.T. -0.01 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Instrument :
BNA_F
ClientSampleId :
LOCUST-ST-IP(3-5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	679933		
137	11.1	8.5	12.7	
54	7.7	4.9	7.3#	
68	6.1	4.1	6.1	

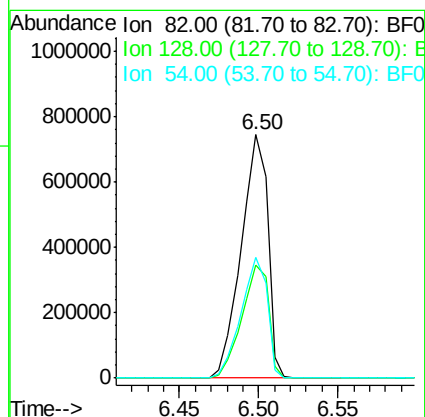
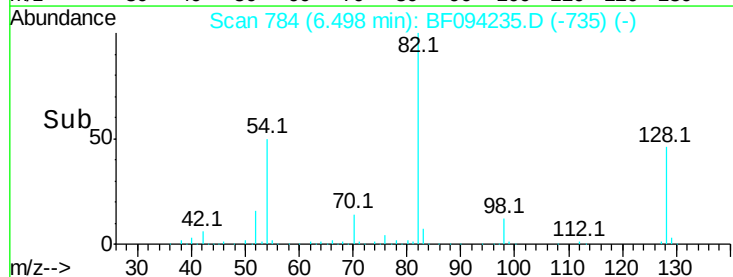
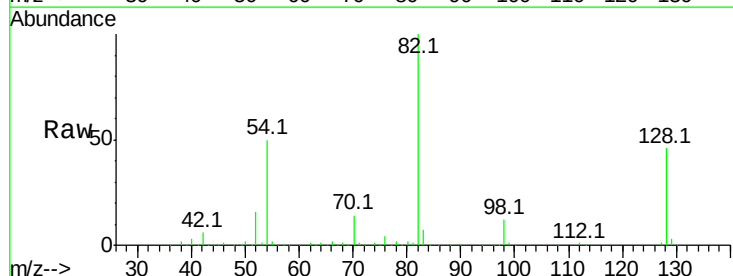
Manual Integrations
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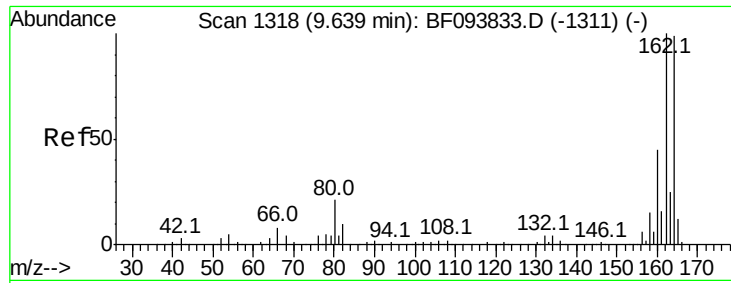
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#23
Nitrobenzene-d5
Concen: 72.64 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	865459		
128	46.2	34.0	51.0	
54	49.7	42.2	63.2	





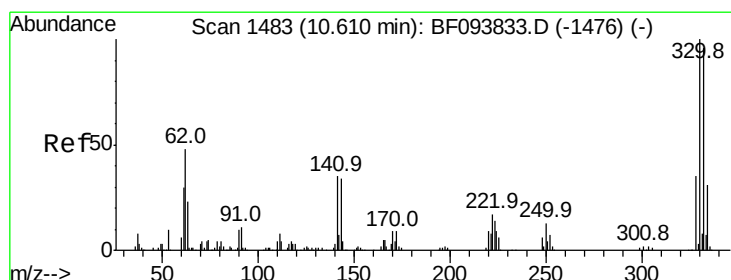
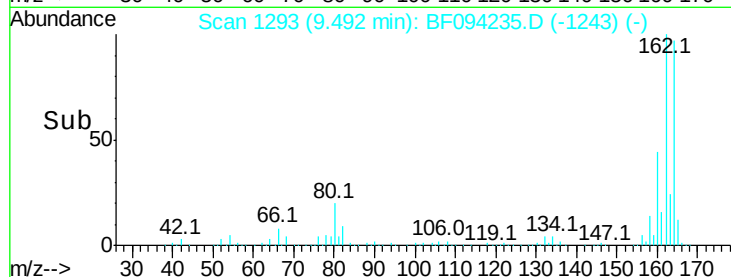
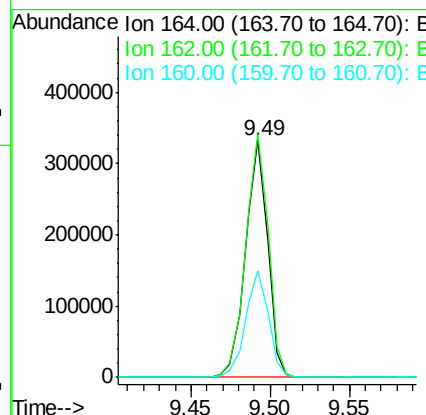
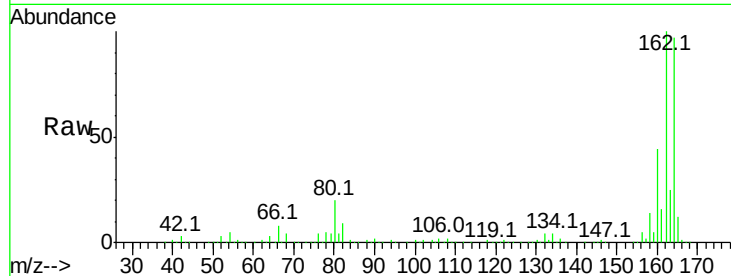
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF094235.D
 Acq: 6 Apr 2017 18:27

Instrument :
 BNA_F
 ClientSampleId :
 LOCUST-ST-IP(3-5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.6	123.8
160	44.9	36.2	54.2

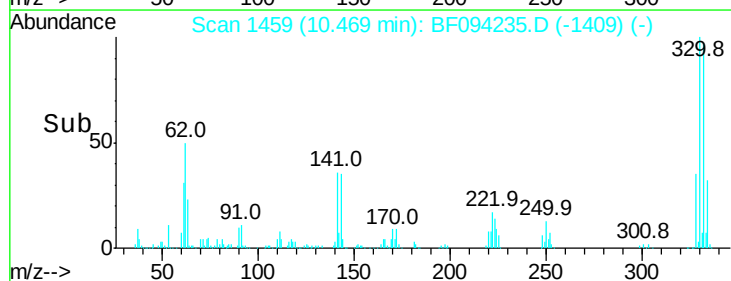
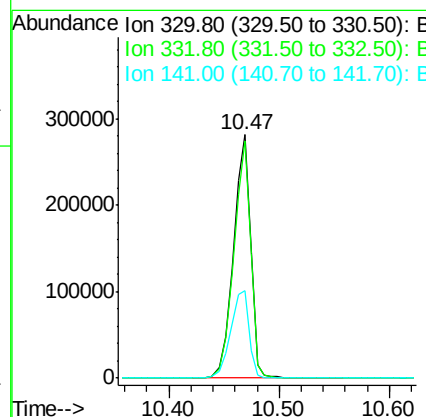
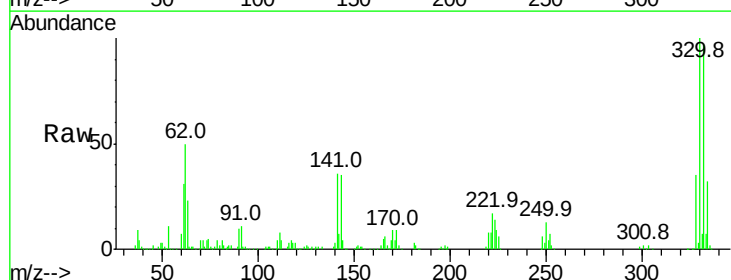
Manual Integrations
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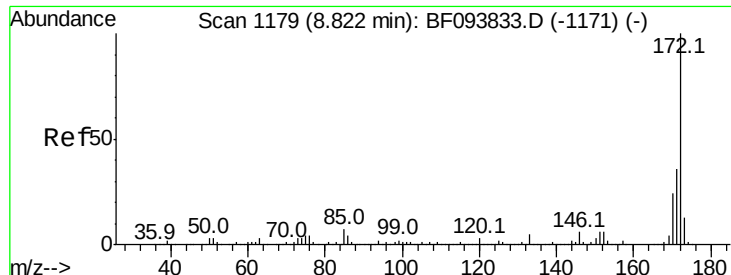
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#41
 2,4,6-Tribromophenol
 Concen: 121.54 ng
 RT: 10.47 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF094235.D
 Acq: 6 Apr 2017 18:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	38.8	31.4	47.2





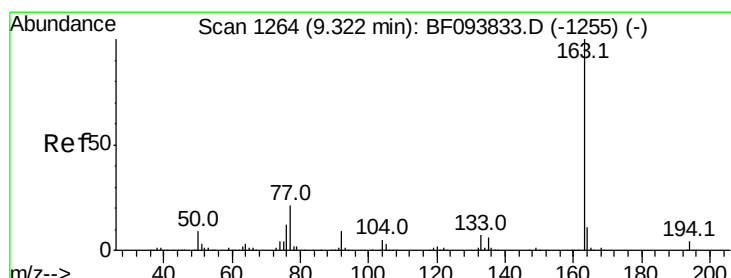
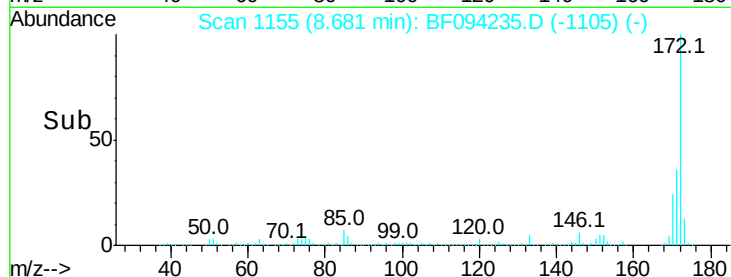
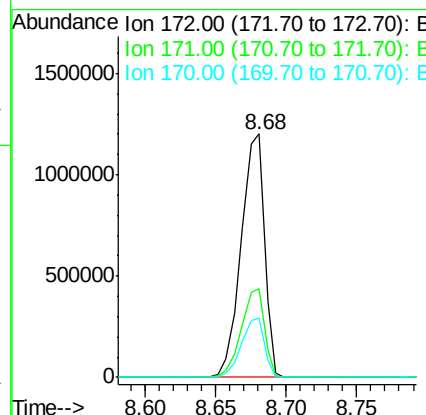
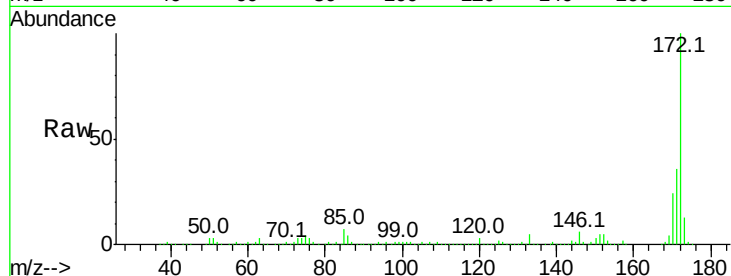
#44
2-Fluorobiphenyl
Concen: 66.07 ng
RT: 8.68 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Instrument :
BNA_F
ClientSampleId :
LOCUST-ST-IP(3-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	24.3	19.8	29.8

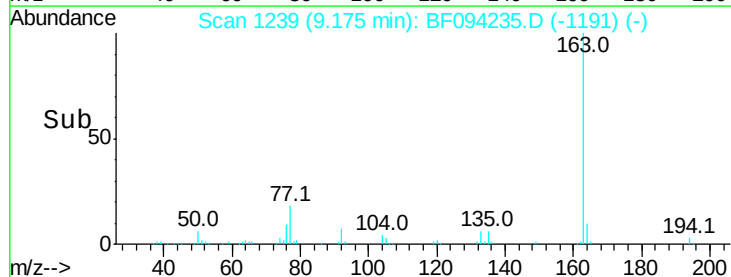
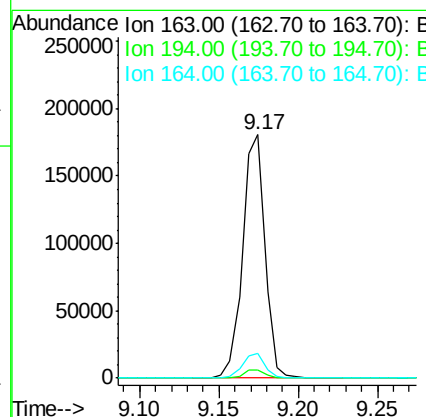
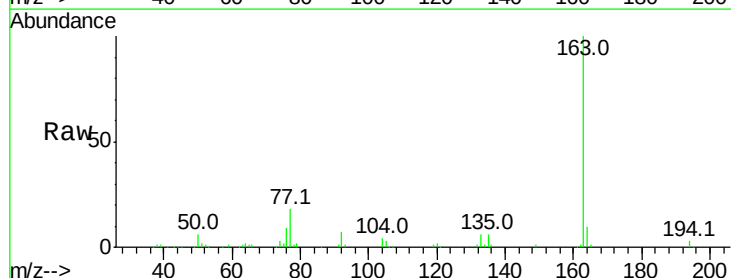
Manual Integrations
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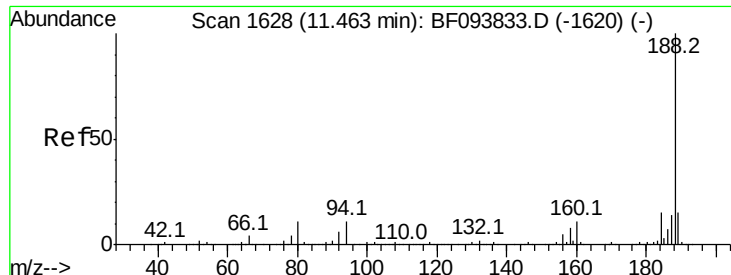
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#49
Dimethylphthalate
Concen: 7.76 ng
RT: 9.17 min Scan# 1239
Delta R.T. -0.02 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	9.9	8.4	12.6





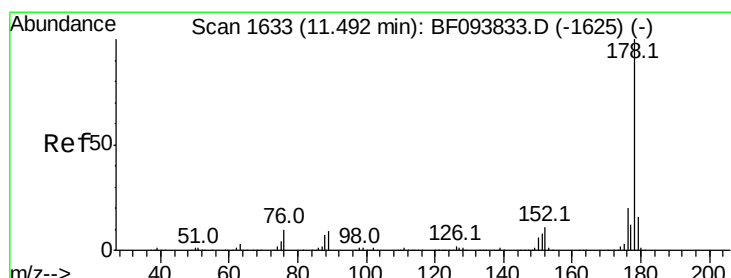
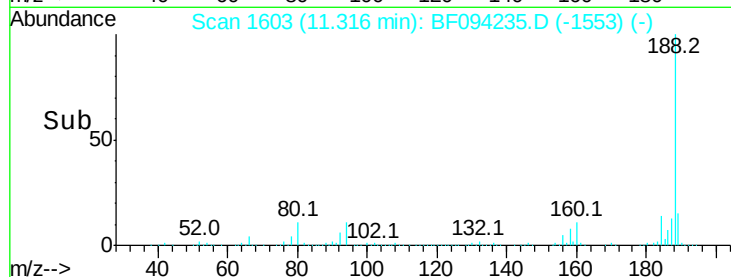
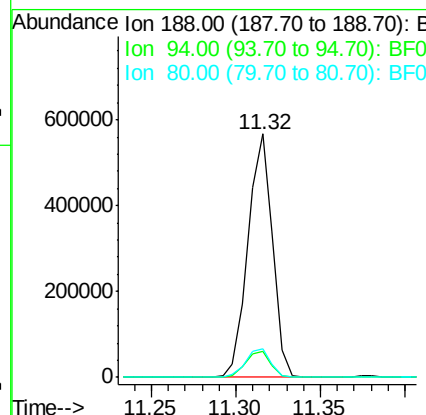
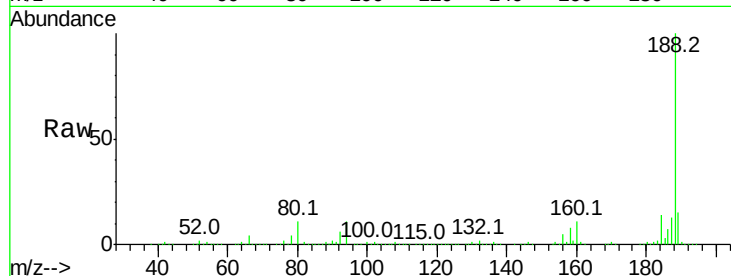
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Instrument :
BNA_F
ClientSampleId :
LOCUST-ST-IP(3-5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	575350		
94	10.5		9.4	14.2
80	11.5		10.2	15.2

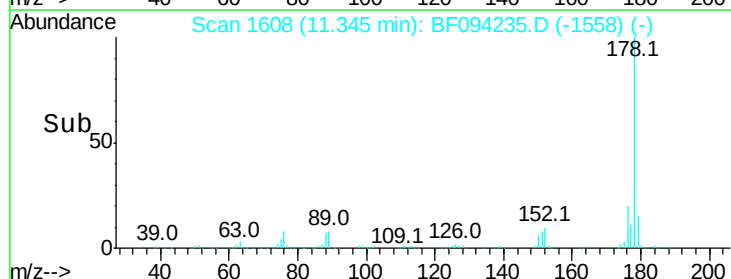
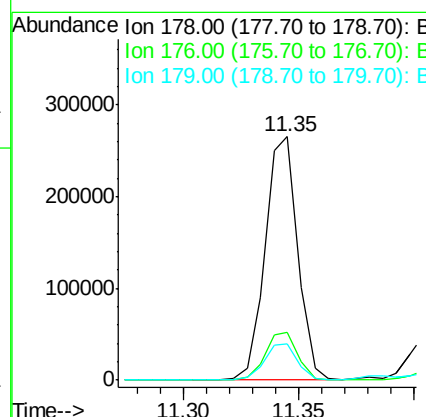
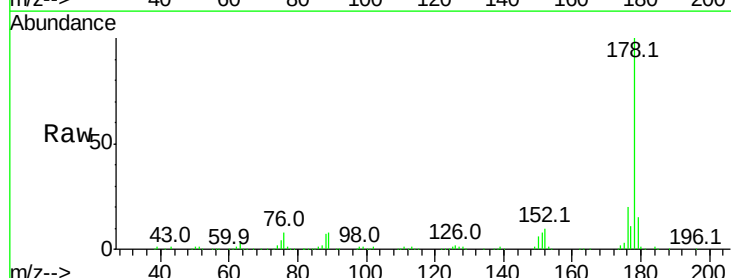
Manual Integrations
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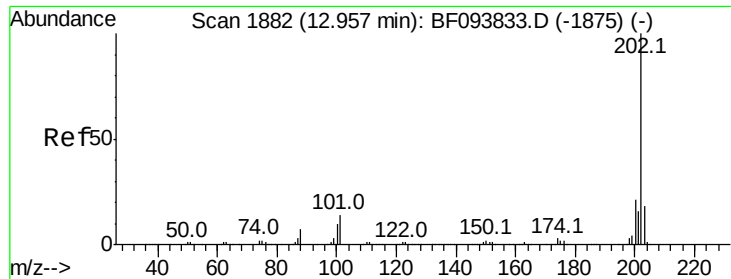
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#70
Phenanthrene
Concen: 8.13 ng
RT: 11.35 min Scan# 1608
Delta R.T. -0.01 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	260128		
176	19.6		16.2	24.4
179	14.9		12.6	19.0





#74

Fluoranthene

Concen: 10.54 ng

RT: 12.80 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF094235.D

Acq: 6 Apr 2017 18:27

Instrument :

BNA_F

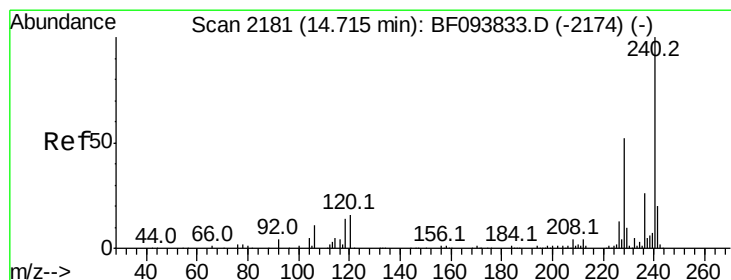
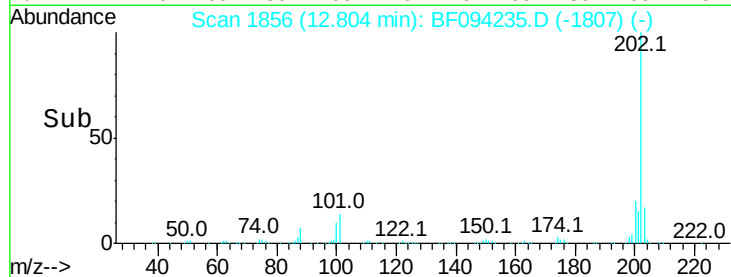
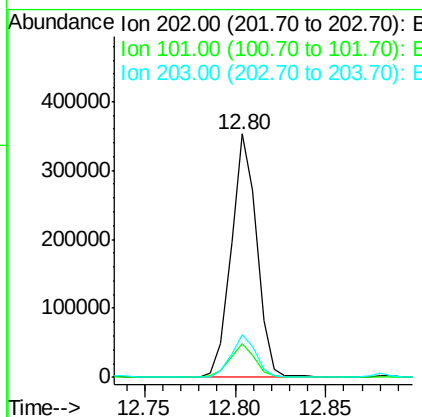
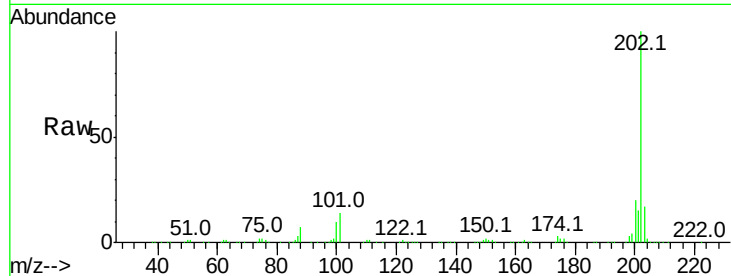
ClientSampleId :

LOCUST-ST-IP(3-5)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	345496		
101	13.6	0.0	33.2	
203	17.4	0.0	38.1	

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

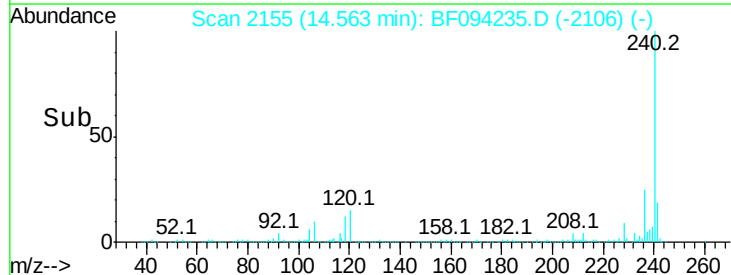
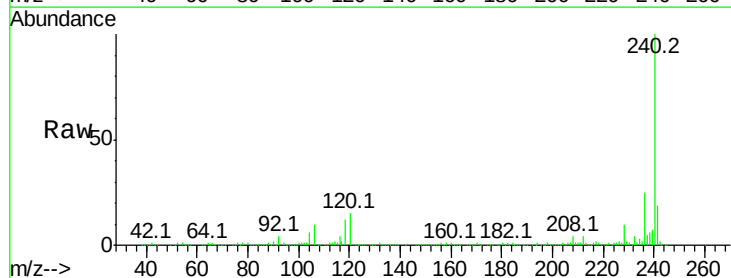
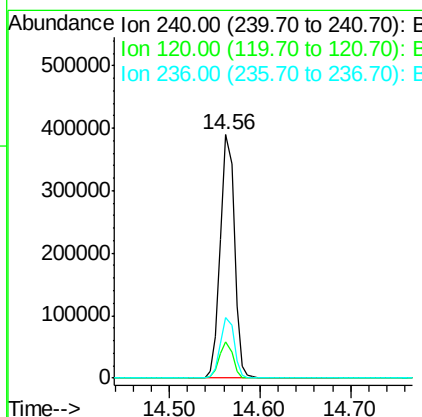
RT: 14.56 min Scan# 2155

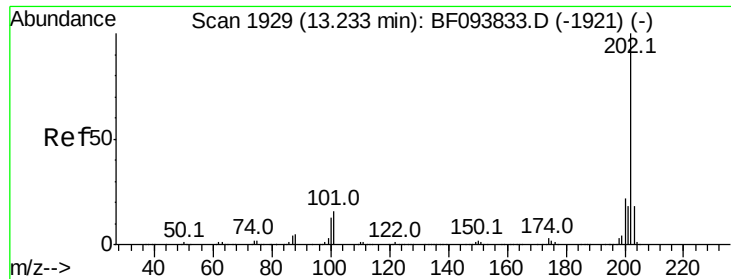
Delta R.T. -0.01 min

Lab File: BF094235.D

Acq: 6 Apr 2017 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	417991		
120	14.9	5.8	8.8#	
236	24.7	20.5	30.7	





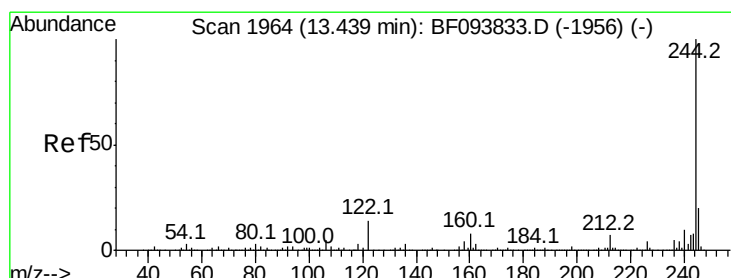
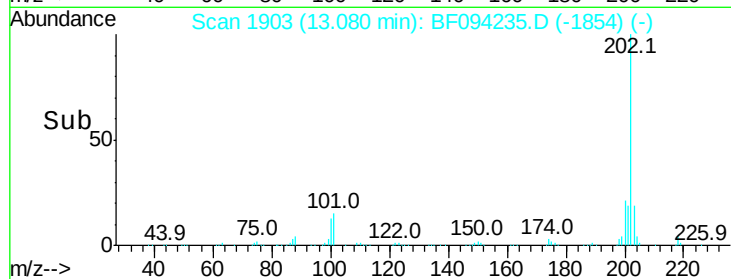
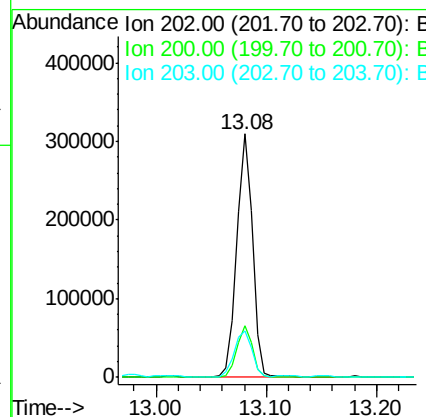
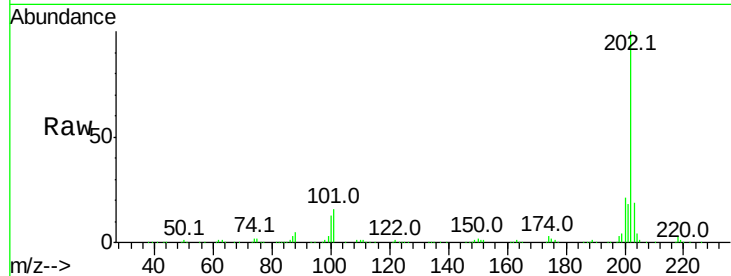
#77
Pvrene
Concen: 10.34 ng
RT: 13.08 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Instrument :
BNA_F
ClientSampleId :
LOCUST-ST-IP(3-5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	19.2	14.4	21.6

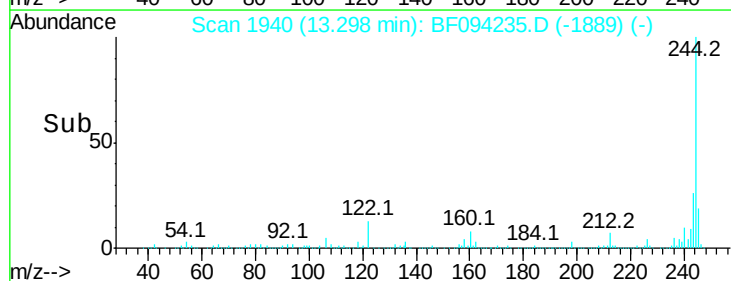
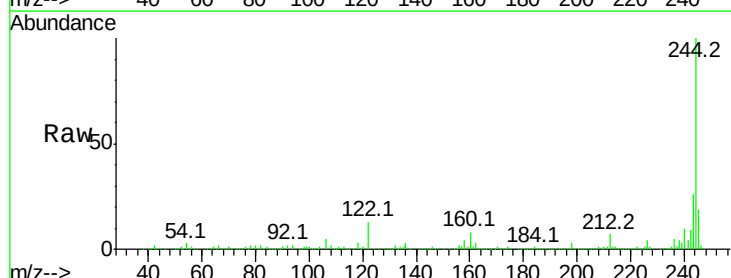
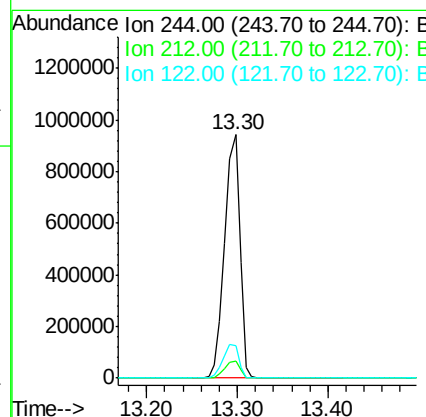
Manual Integrations
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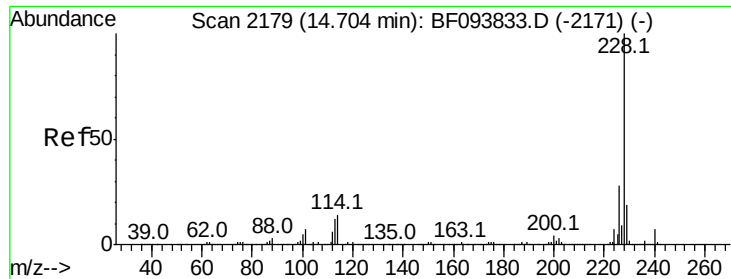
mohammad
4/7/2017 5:20:59 PM



#78
Terphenyl-d14
Concen: 58.63 ng
RT: 13.30 min Scan# 1940
Delta R.T. -0.00 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.2	10.3	15.5





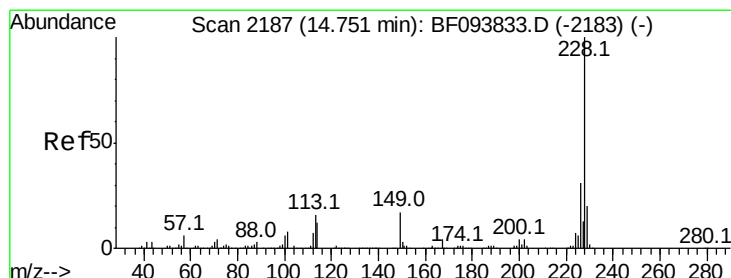
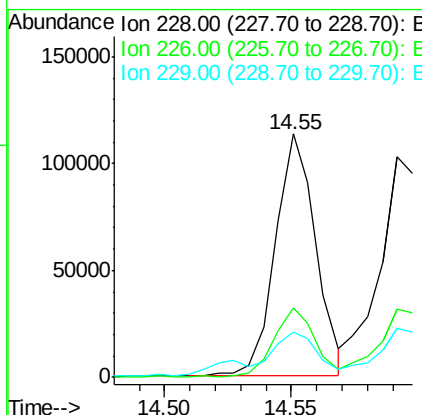
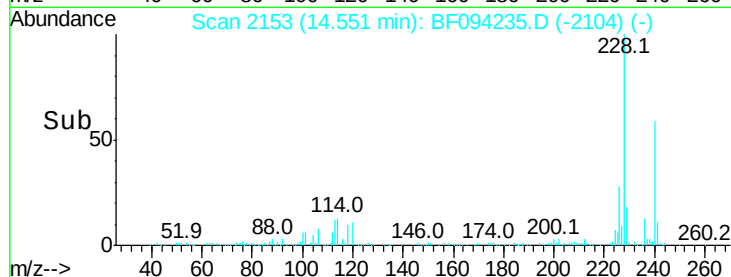
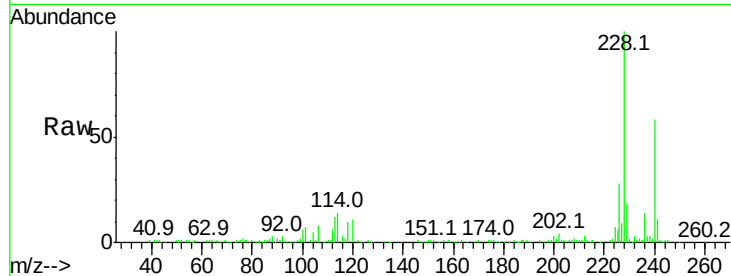
#80
Benzo(a)anthracene
Concen: 5.17 ng
RT: 14.55 min Scan# 2153
Delta R.T. -0.01 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Instrument :
BNA_F
ClientSampleId :
LOCUST-ST-IP(3-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	18.5	16.3	24.5

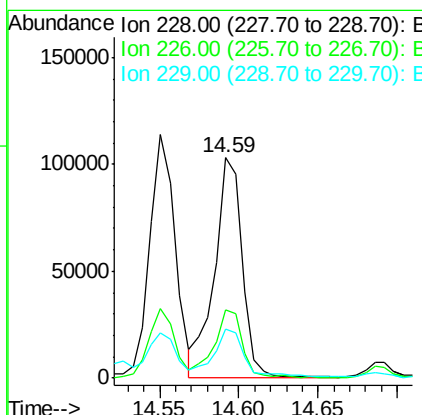
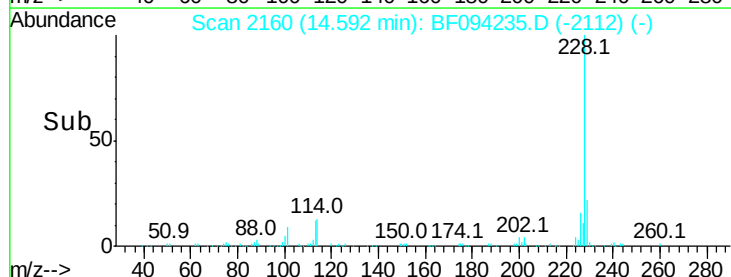
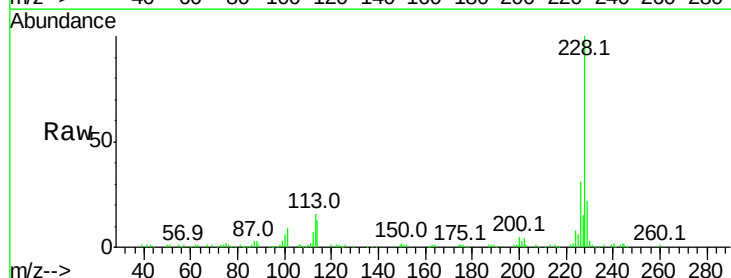
Manual Integrations
APPROVED

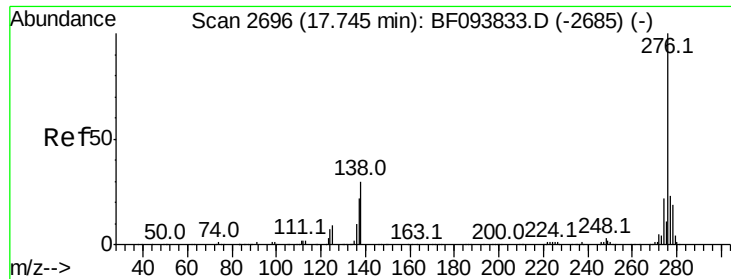
mohammad
4/7/2017 5:20:59 PM



#82
Chrysene
Concen: 5.50 ng
RT: 14.59 min Scan# 2160
Delta R.T. -0.02 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	22.4	15.8	23.6





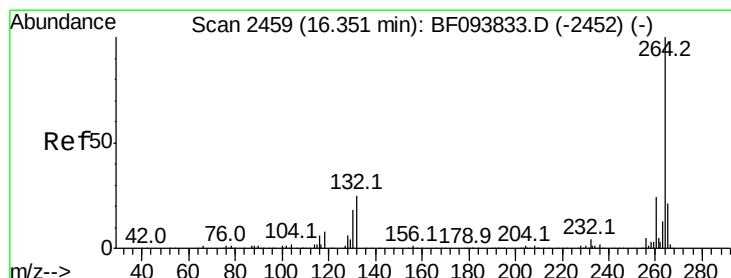
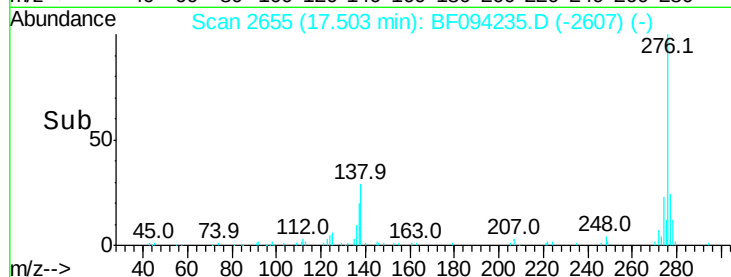
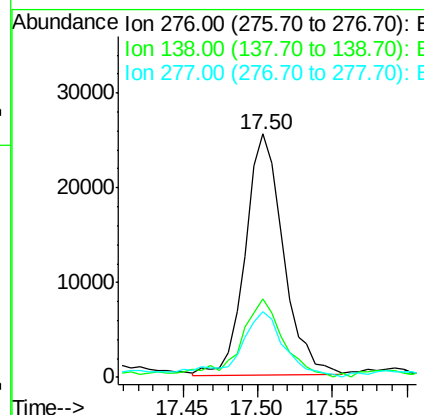
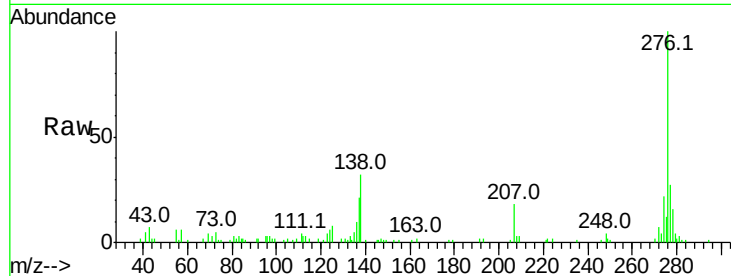
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.30 ng
RT: 17.50 min Scan# 2655
Delta R.T. -0.02 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Instrument :
BNA_F
ClientSampleId :
LOCUST-ST-IP(3-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	36.7	27.8	41.6
277	32.2	20.2	30.4

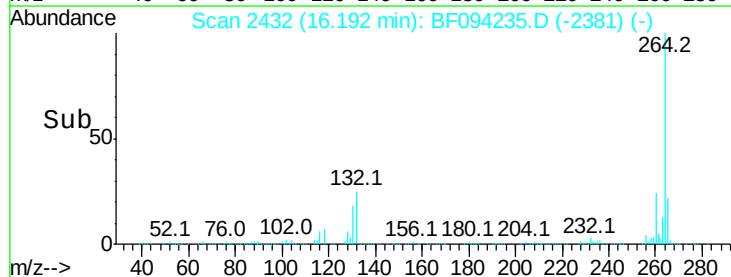
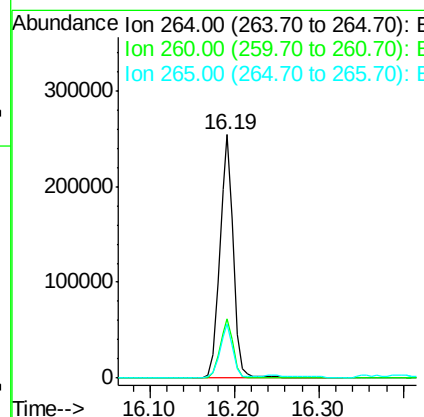
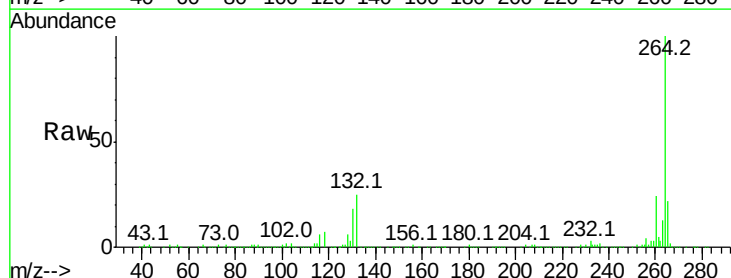
Manual Integrations
APPROVED

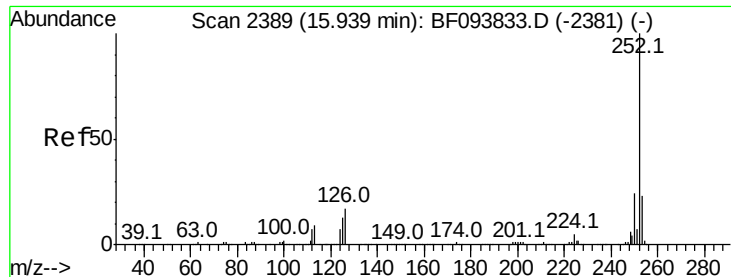
mohammad
4/7/2017 5:20:59 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.2	17.2	25.8





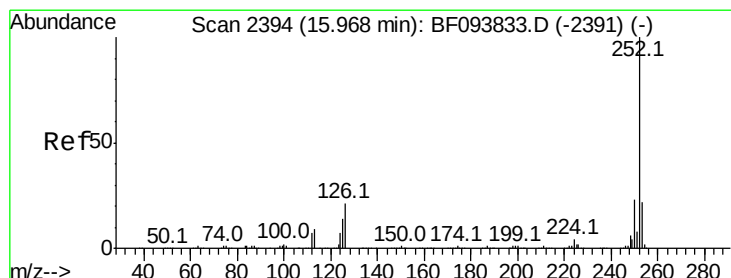
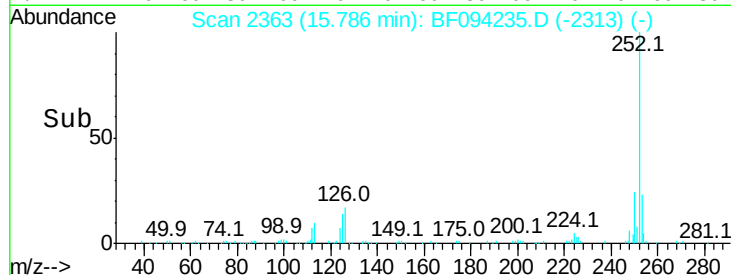
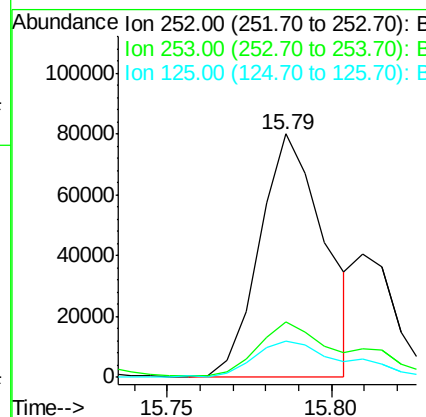
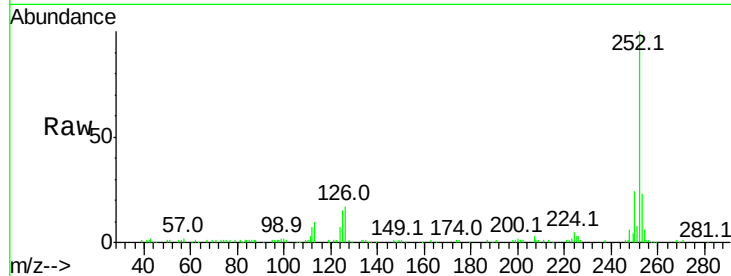
#87
Benzo(b)fluoranthene
Concen: 6.18 ng m
RT: 15.79 min Scan# 2363
Delta R.T. -0.01 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Instrument :
BNA_F
ClientSampleId :
LOCUST-ST-IP(3-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	14.8	9.8	14.8

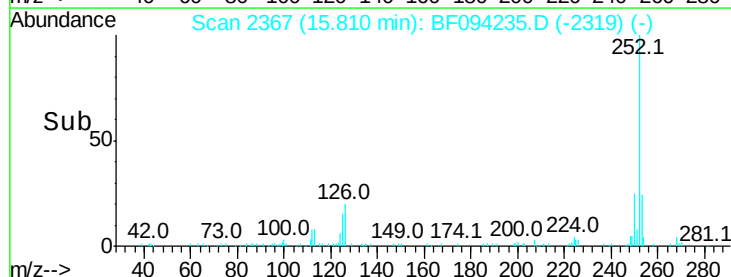
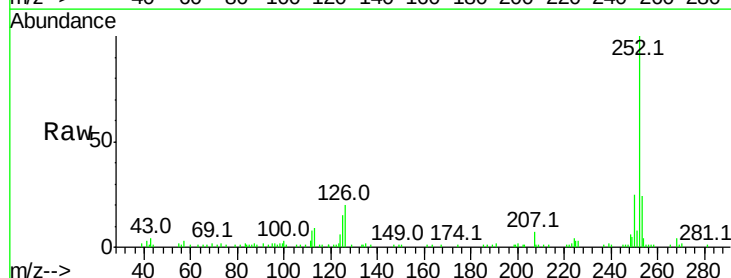
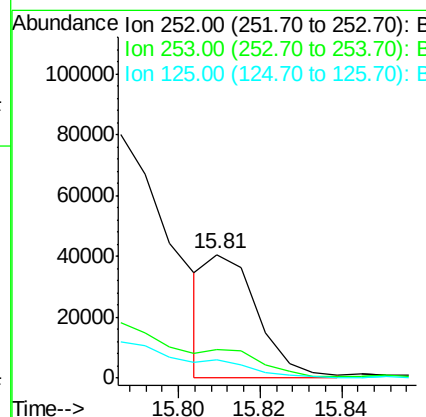
Manual Integrations
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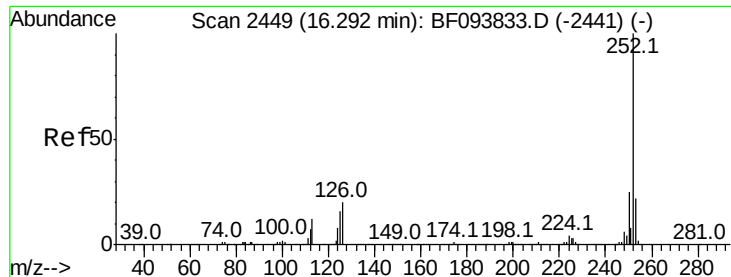
mohammad
4/7/2017 5:20:59 PM



#88
Benzo(k)fluoranthene
Concen: 2.01 ng m
RT: 15.81 min Scan# 2367
Delta R.T. -0.02 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	14.8	13.1	19.7





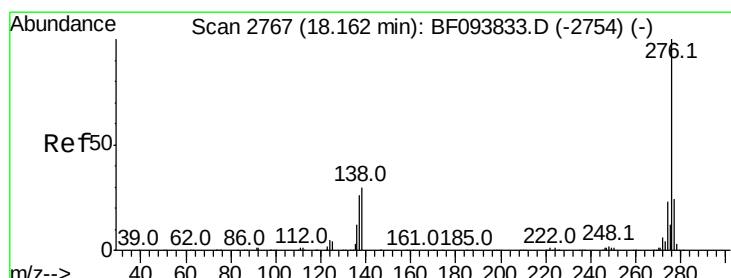
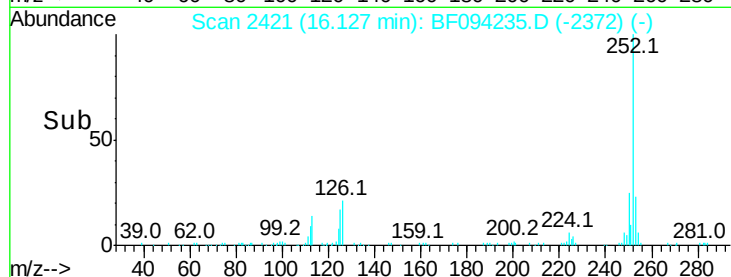
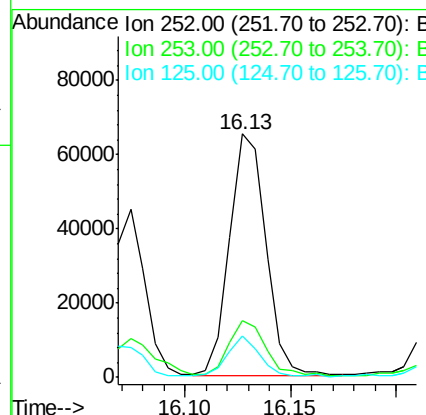
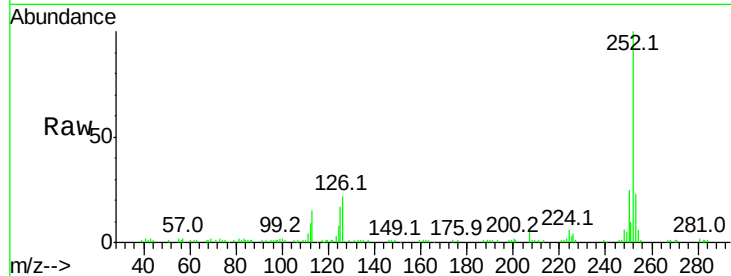
#89
Benzo(a)pyrene
Concen: 4.75 ng
RT: 16.13 min Scan# 2421
Delta R.T. -0.01 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Instrument :
BNA_F
ClientSampleId :
LOCUST-ST-IP(3-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	17.0	11.0	16.4

Manual Integrations
APPROVED

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4/7/2017 5:20:59 PM



#91
Benzo(g,h,i)perylene
Concen: 3.16 ng
RT: 17.89 min Scan# 2721
Delta R.T. -0.02 min
Lab File: BF094235.D
Acq: 6 Apr 2017 18:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	28.0
138	33.7	25.4	38.0

