

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
 Data File : BF114545.D
 Acq On : 24 May 2019 1:06
 Operator : JU/SJ
 Sample : K2998-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EWING-SP

Manual Integrations
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mohammad
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Quant Time: May 24 08:12:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 24 07:23:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	150756	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	592026	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	297592	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	645681	20.00	ng	0.00
76) Chrysene-d12	13.98	240	434158	20.00	ng	0.00
87) Perylene-d12	15.44	264	445206	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	872681	93.16	ng	0.00
7) Phenol-d6	6.46	99	1161620	104.84	ng	0.00
23) Nitrobenzene-d5	7.37	82	678319	64.30	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	322879	104.95	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1142382	58.07	ng	0.00
79) Terphenyl-d14	12.92	244	1242549	59.00	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	179864	8.233	ng	99
71) Phenanthrene	11.36	178	147501	4.696	ng	96
75) Fluoranthene	12.55	202	272476	8.055	ng	98
78) Pyrene	12.78	202	263215	7.536	ng	98
81) Benzo(a)anthracene	13.97	228	113148	4.029	ng	99
83) Chrysene	14.00	228	106041	3.852	ng	98
86) Indeno(1,2,3-cd)pyrene	16.92	276	56054	2.304	ng	96
88) Benzo(b)fluoranthene	15.02	252	134755m	4.725	ng	
90) Benzo(a)pyrene	15.39	252	94684	3.772	ng	# 94
92) Benzo(g,h,i)perylene	17.36	276	53148	2.543	ng	96

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

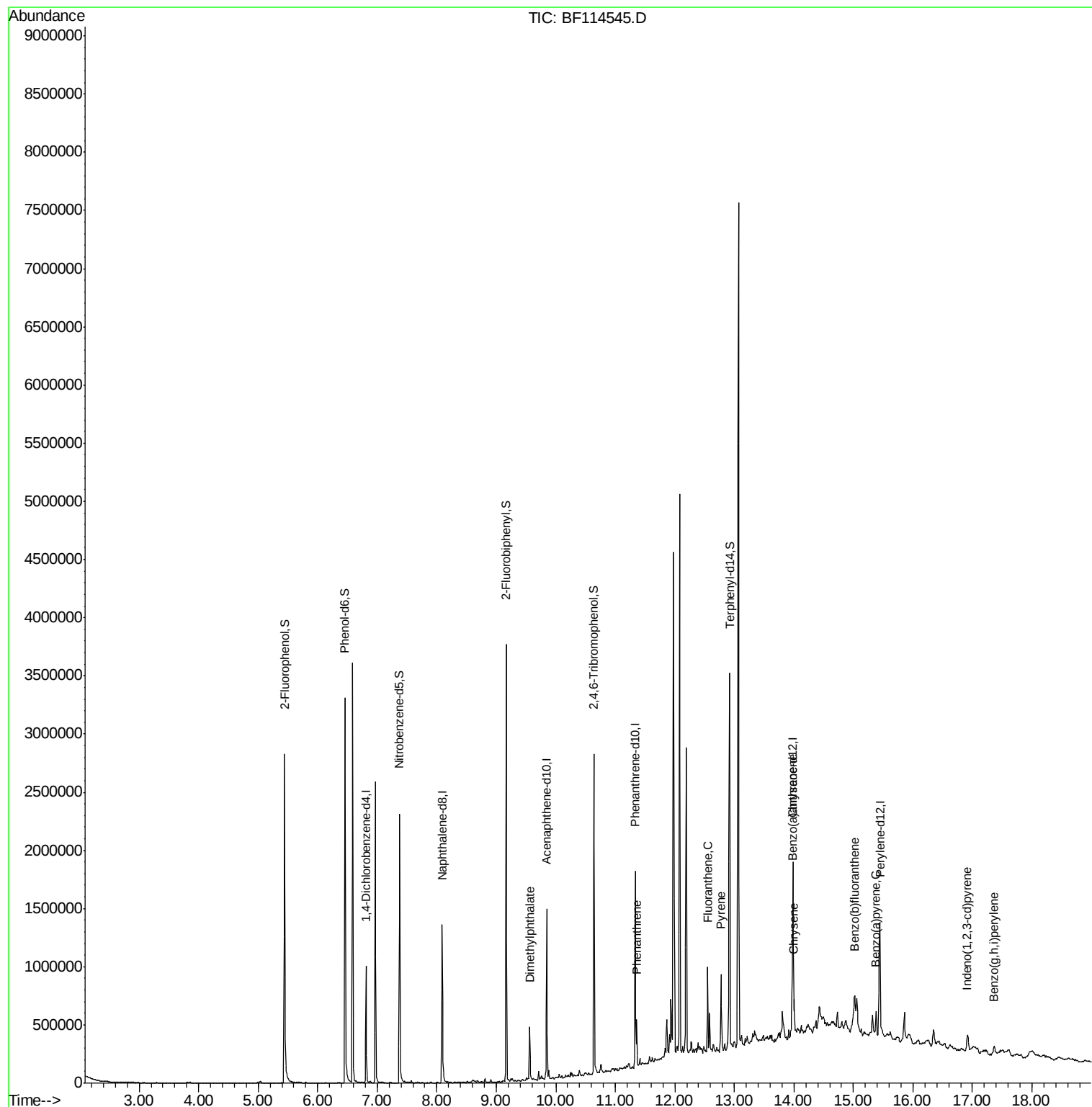
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114545.D
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Operator : JU/SJ
Sample : K2998-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

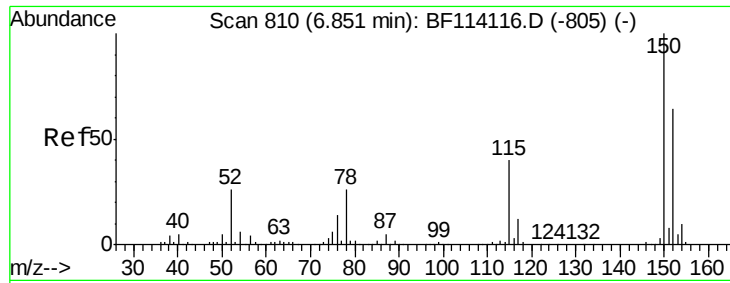
Instrument :
BNA_F
ClientSampleId :
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Quant Time: May 24 08:12:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 24 07:23:33 2019
Response via : Initial Calibration





#1

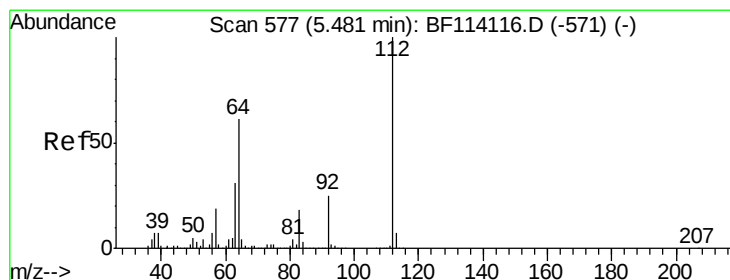
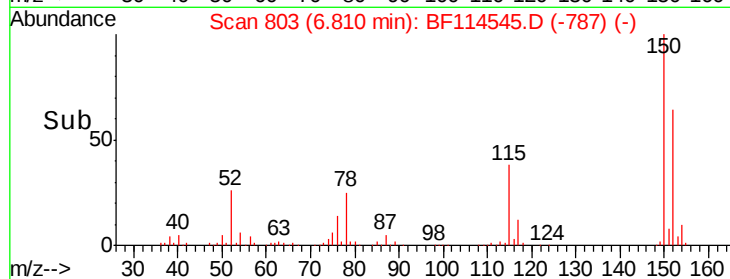
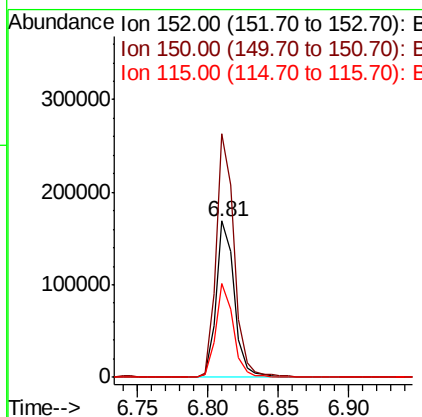
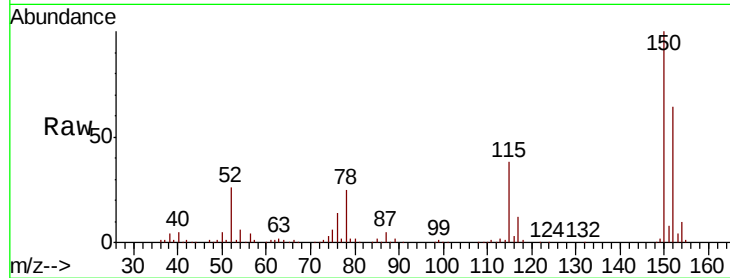
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Instrument :
BNA_F
ClientSampleId :
EWING-SP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.3	186.5
115	59.9	49.1	73.7

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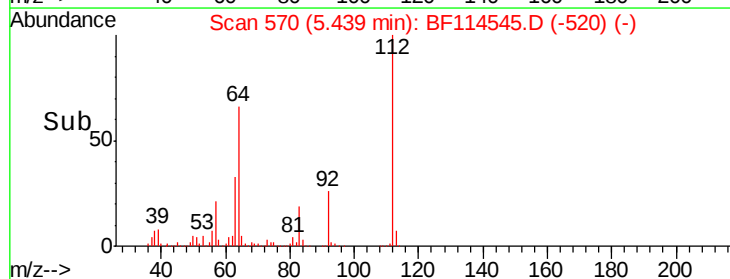
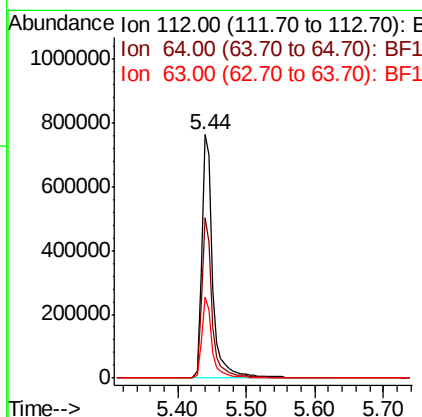
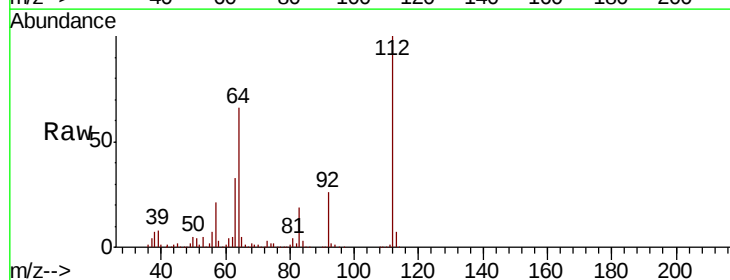
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#5

2-Fluorophenol
Concen: 93.155 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.01 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	49.0	73.6
63	33.5	24.6	37.0





#7

Phenol-d6

Concen: 104.841 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

Instrument :

BNA_F

ClientSampled :

EWING-SP

Tot Ion: 99 Resp: 1161620

Ion Ratio Lower Upper

99 100

42 22.5 17.9 26.9

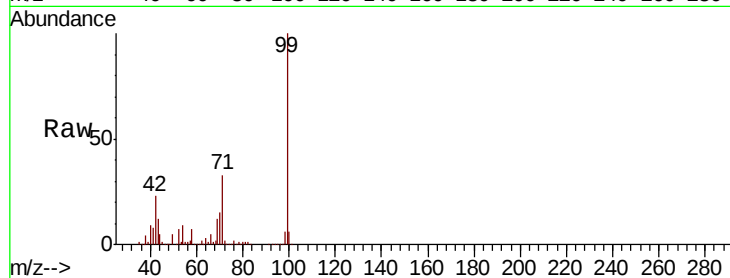
71 33.3 26.2 39.2

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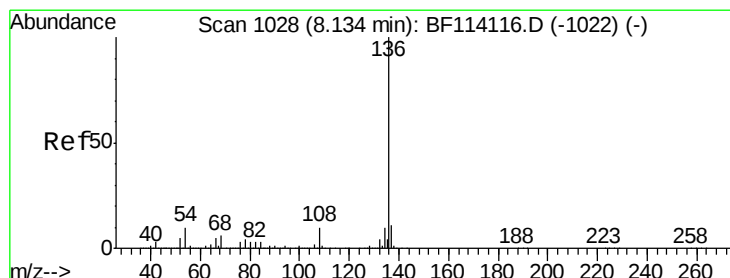
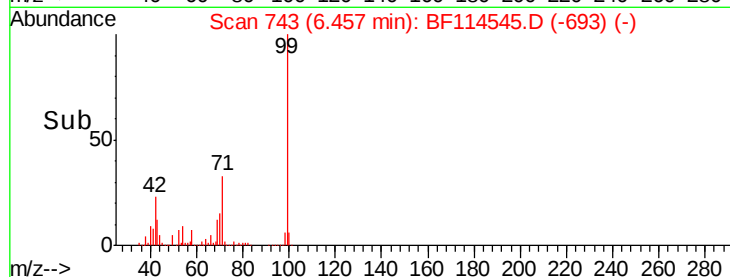
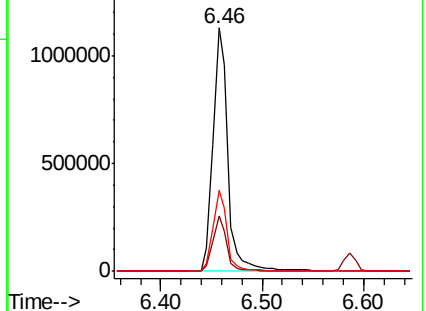
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

Tgt Ion: 136 Resp: 592026

Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.7 7.8 11.8

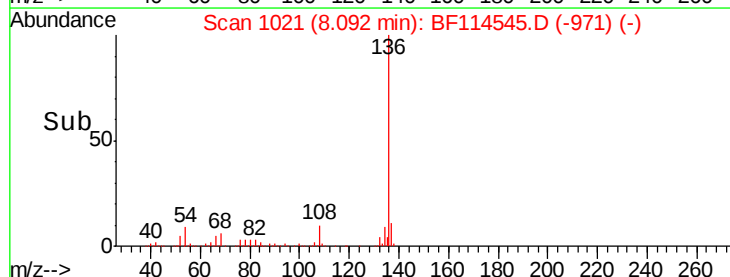
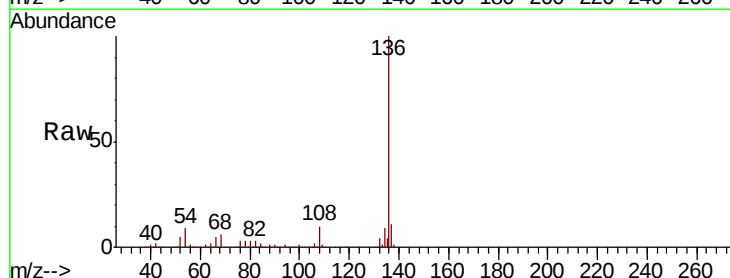
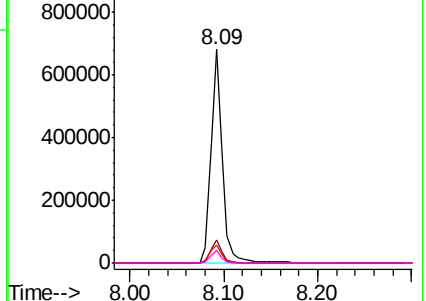
68 5.8 5.1 7.7

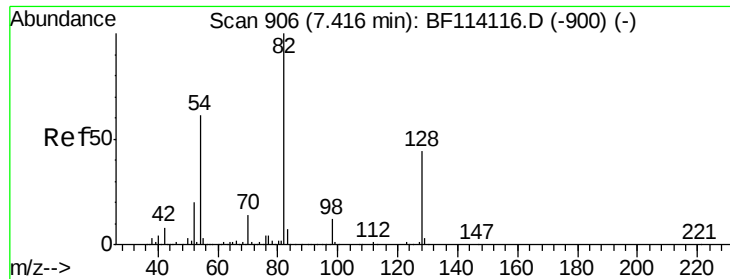
Abundance Ion 136.00 (135.70 to 136.70): E

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





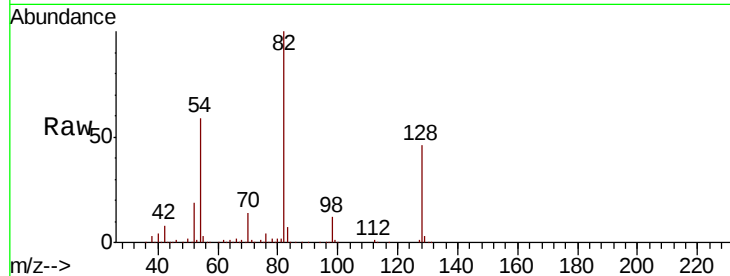
#23
Nitrobenzene-d5
Concen: 64.300 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Instrument :
BNA_F
ClientSampled :
EWING-SP

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.6	35.5	53.3
54	58.9	48.5	72.7

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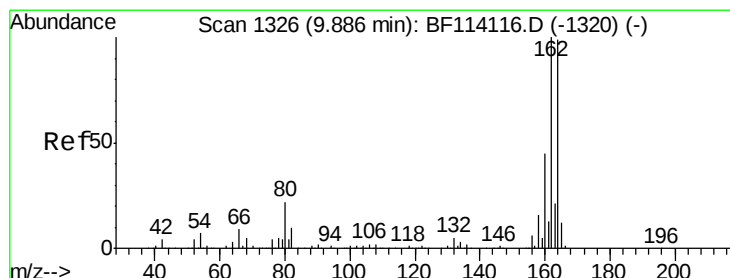
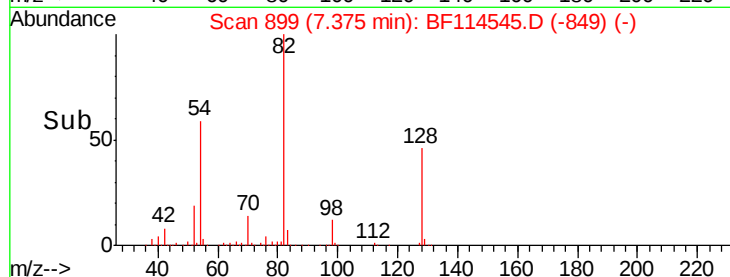
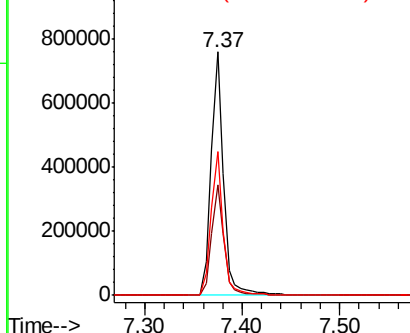


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

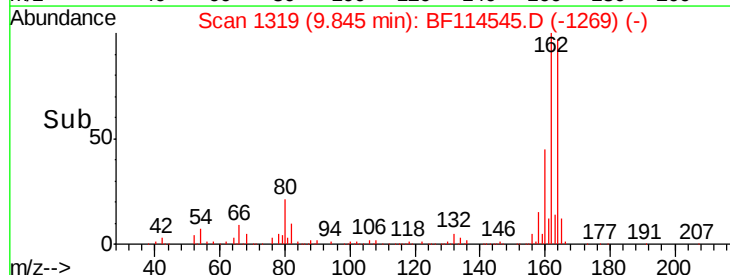
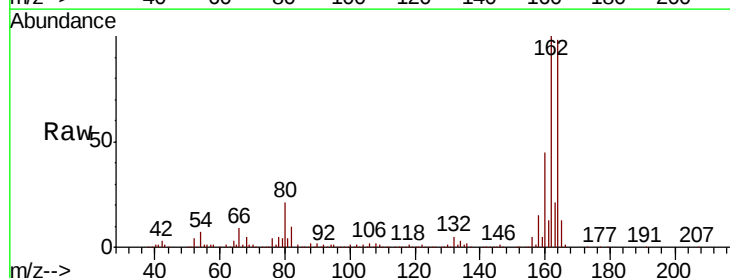
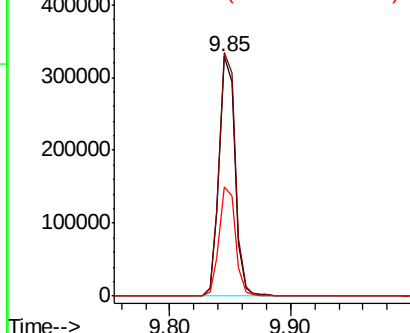
Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	45.6	36.5	54.7

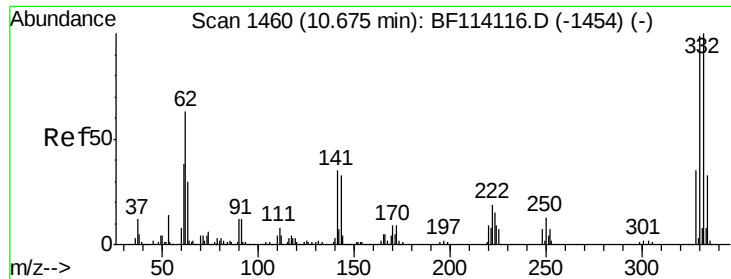
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





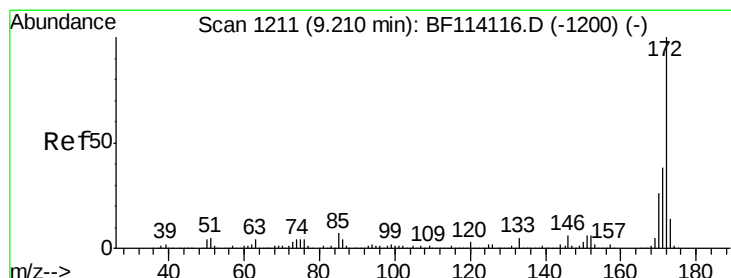
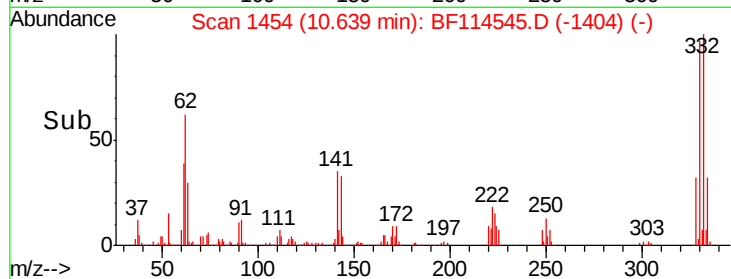
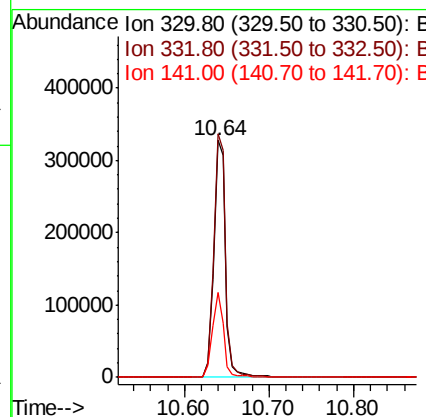
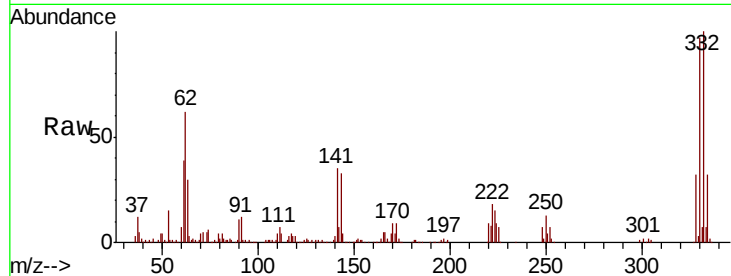
#42
 2,4,6-Tribromophenol
 Concen: 104.947 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF114545.D
 Acq: 24 May 2019 1:06

Instrument :
 BNA_F
 ClientSampleId :
 EWING-SP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	322879		
332	102.6		81.4	122.2
141	33.1		26.6	40.0

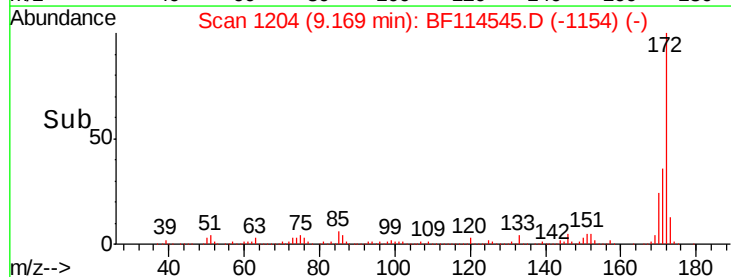
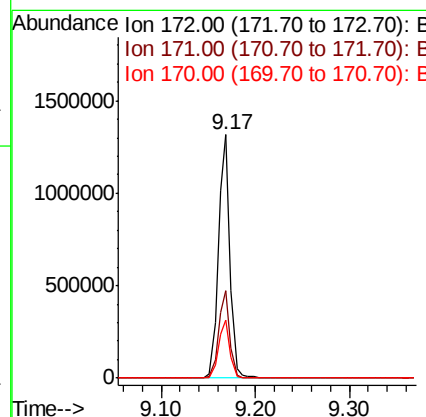
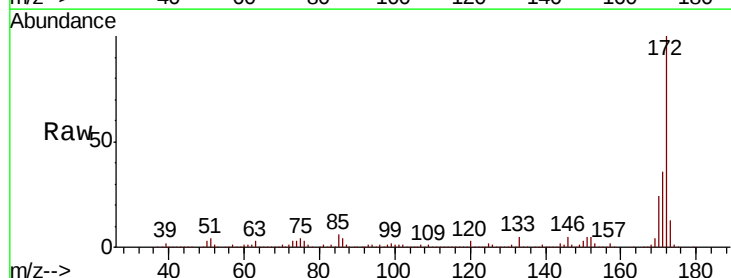
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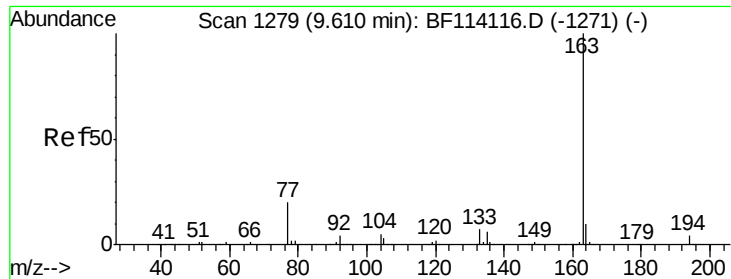
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#45
 2-Fluorobiphenyl
 Concen: 58.067 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF114545.D
 Acq: 24 May 2019 1:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1142382		
171	35.9		30.7	46.1
170	23.7		20.5	30.7





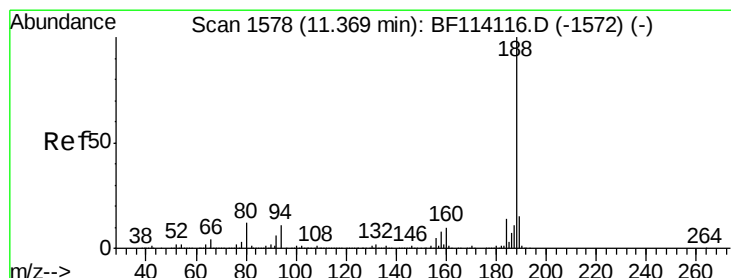
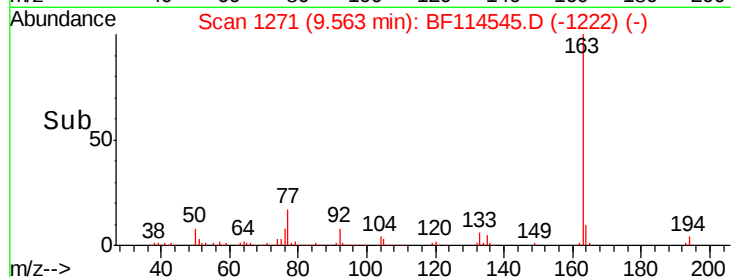
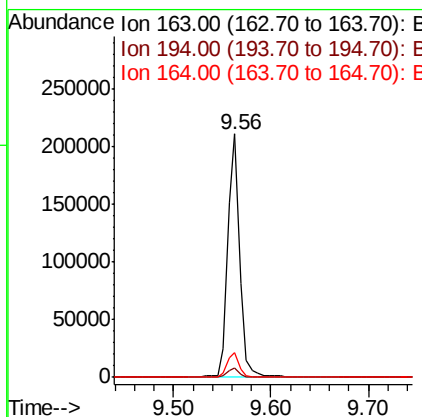
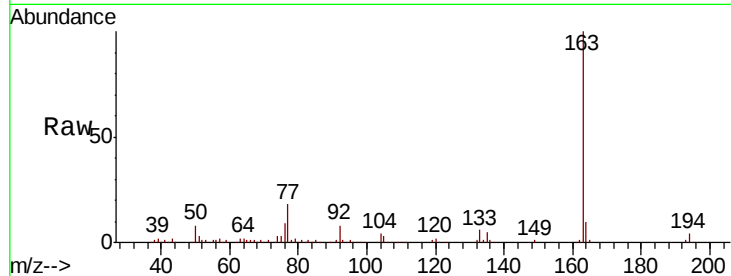
#50
Dimethylphthalate
Concen: 8.233 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Instrument :
BNA_F
ClientSampleId :
EWING-SP

Tot Ion	Ratio	Resp	Lower	Upper
163	100	179864		
194	3.9		3.4	5.0
164	10.0		8.2	12.2

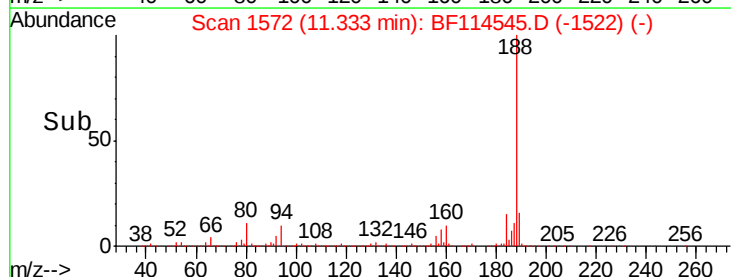
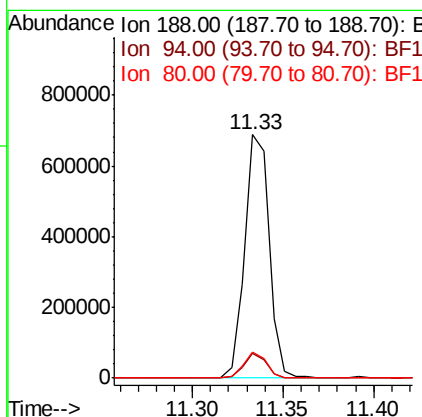
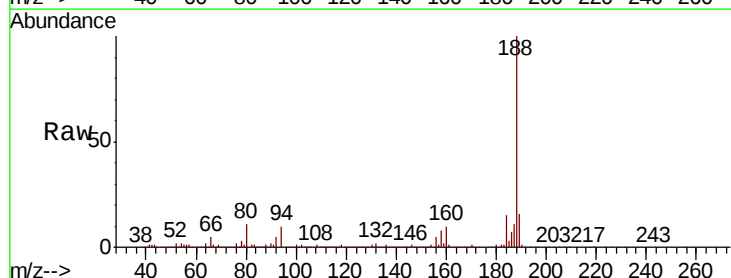
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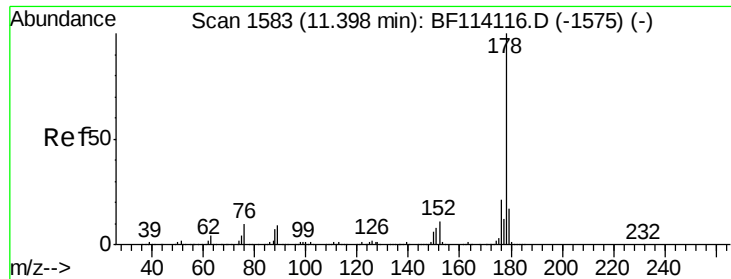
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	645681		
94	10.2		8.4	12.6
80	10.7		9.2	13.8





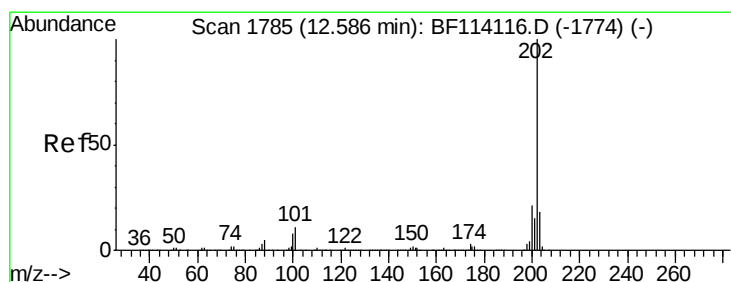
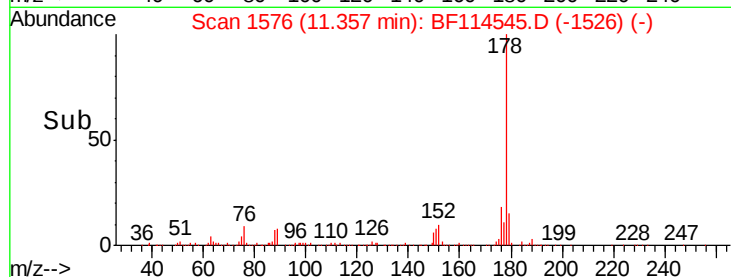
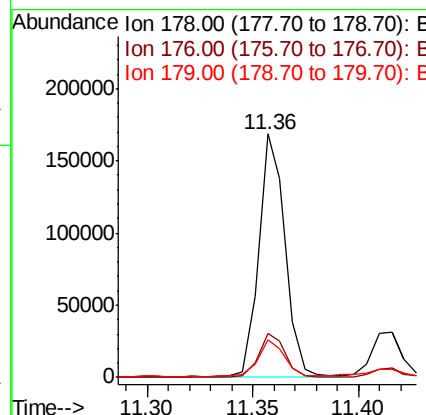
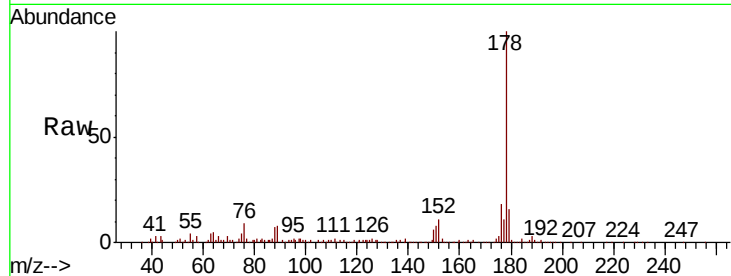
#71
Phenanthrene
Concen: 4.696 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Instrument :
BNA_F
ClientSampleId :
EWING-SP

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	16.4	24.6
179	15.7	13.2	19.8

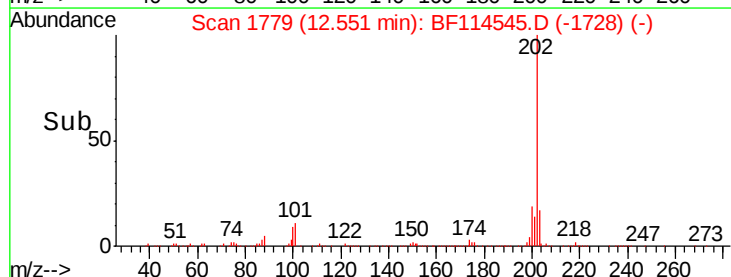
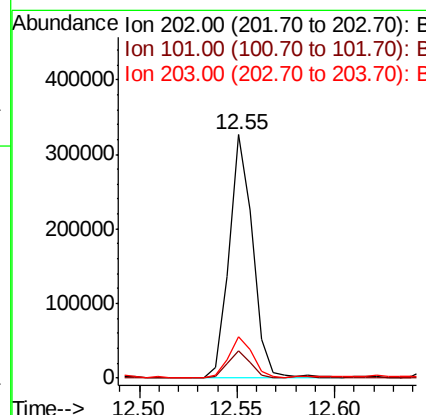
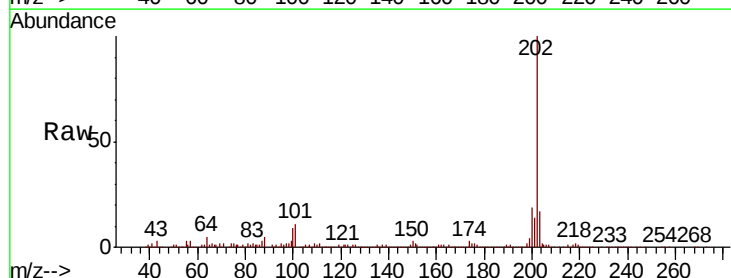
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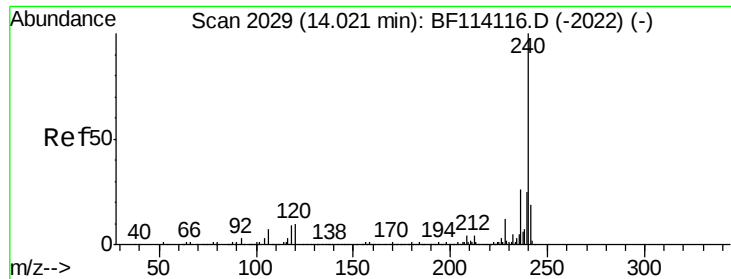
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#75
Fluoranthene
Concen: 8.055 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.00 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.0
203	17.1	0.0	38.4





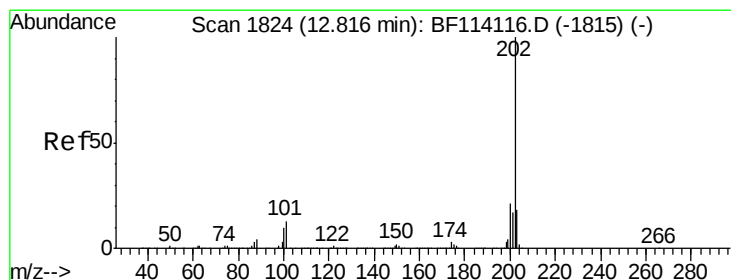
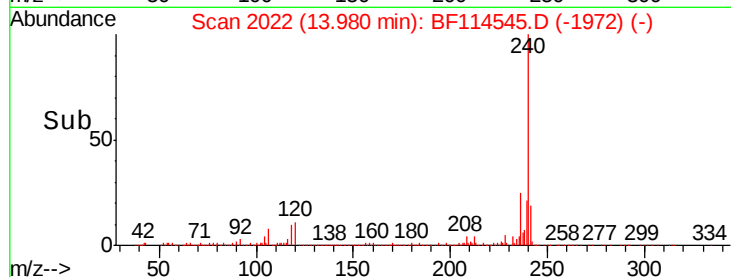
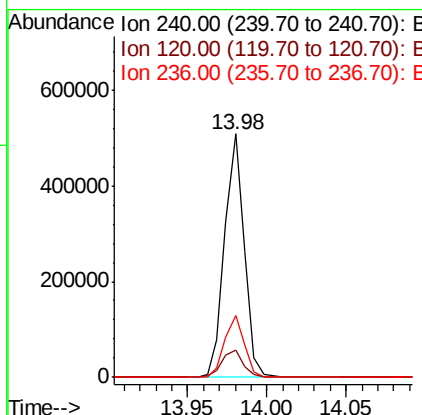
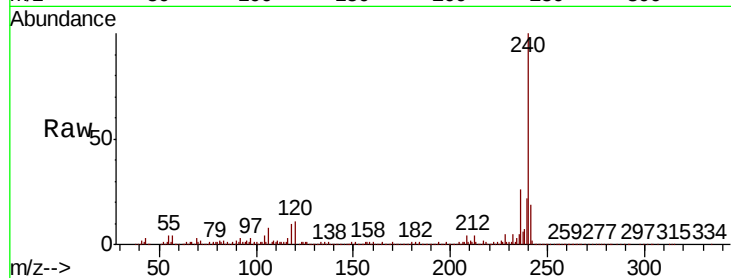
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Instrument :
BNA_F
ClientSampleId :
EWING-SP

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.2	8.3	12.5	
236	25.5	20.8	31.2	

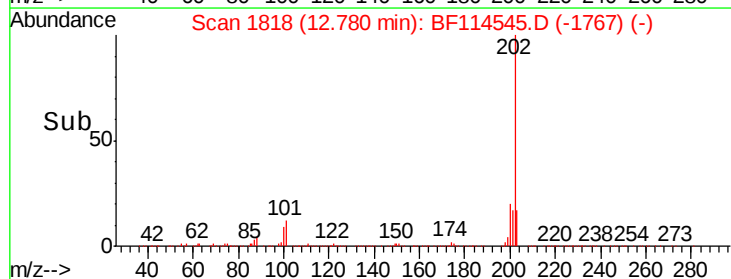
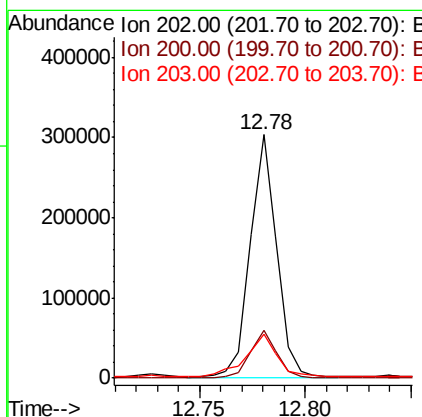
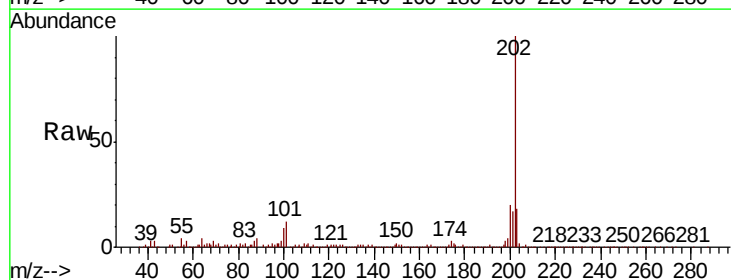
Manual Integrations
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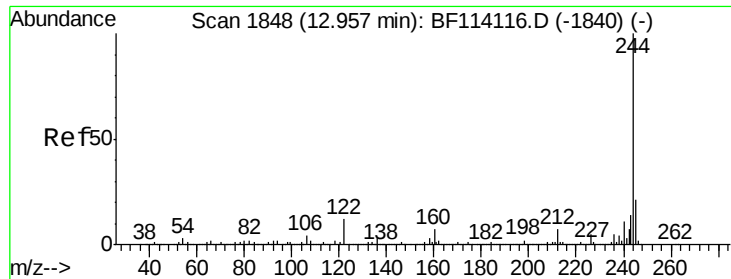
mohammad
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#78
Pyrene
Concen: 7.536 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.9	16.9	25.3	
203	17.8	14.5	21.7	





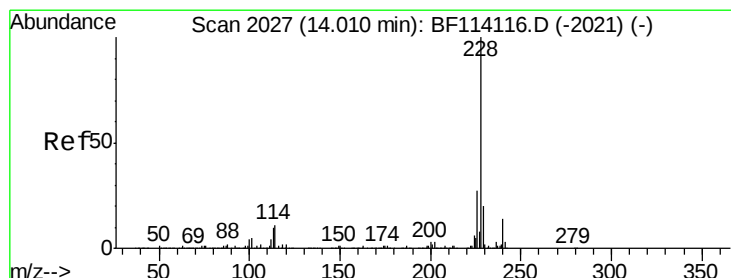
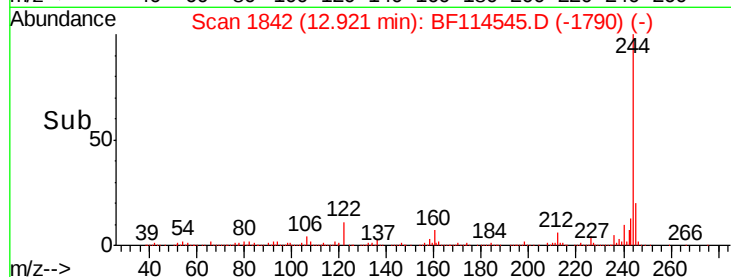
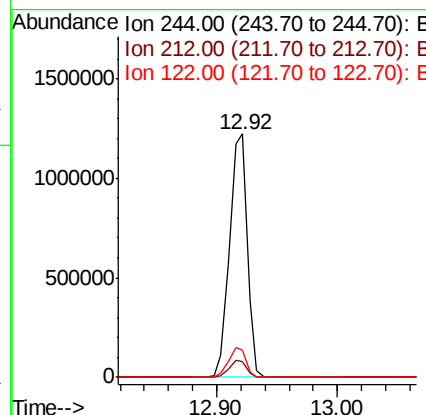
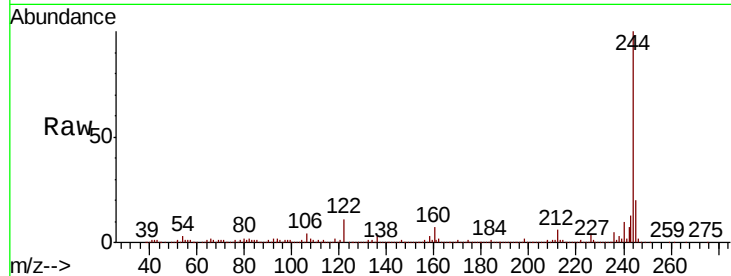
#79
 Terphenyl-d14
 Concen: 58.998 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: BF114545.D
 Acq: 24 May 2019 1:06

Instrument :
 BNA_F
 ClientSampleId :
 EWING-SP

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.6
122	11.0	9.4	14.2

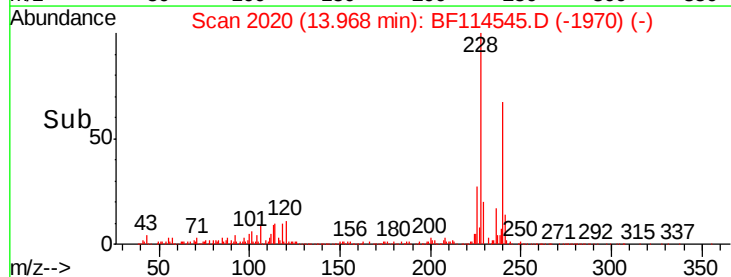
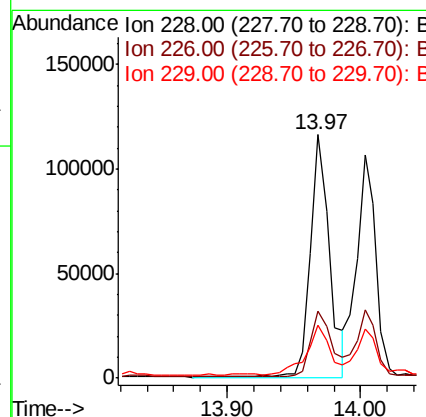
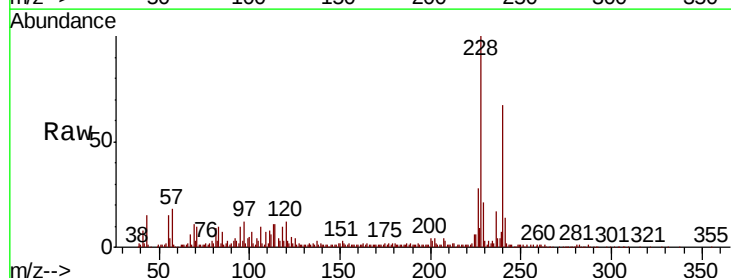
Manual Integrations
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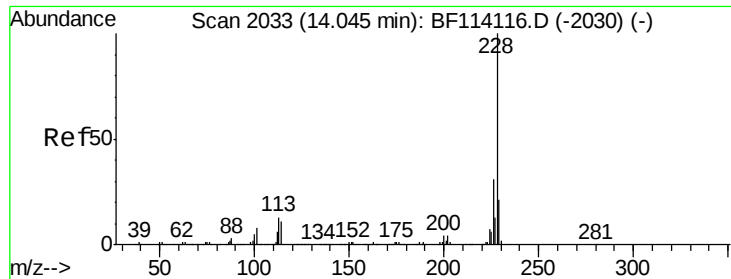
mohammad
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#81
 Benzo(a)anthracene
 Concen: 4.029 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF114545.D
 Acq: 24 May 2019 1:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.2
229	21.5	16.4	24.6





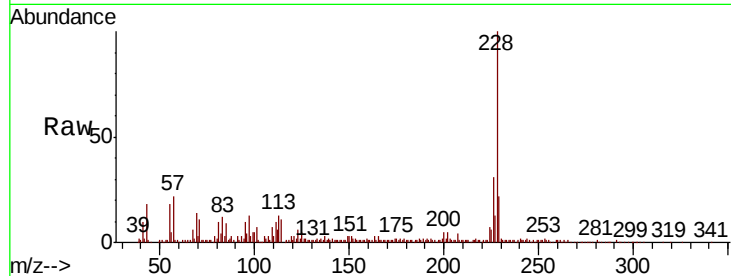
#83
Chrysene
Concen: 3.852 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Instrument :
BNA_F
ClientSampleId :
EWING-SP

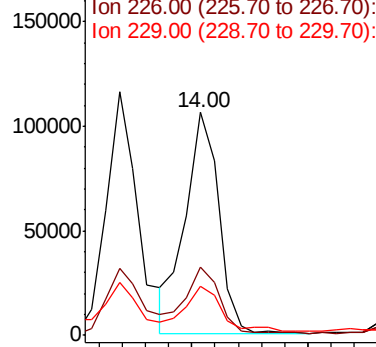
Tot Ion:	228	Resp:	106041
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	22.2	17.0	25.6

Manual Integrations
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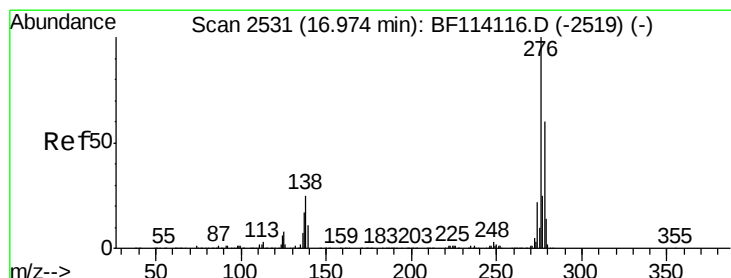
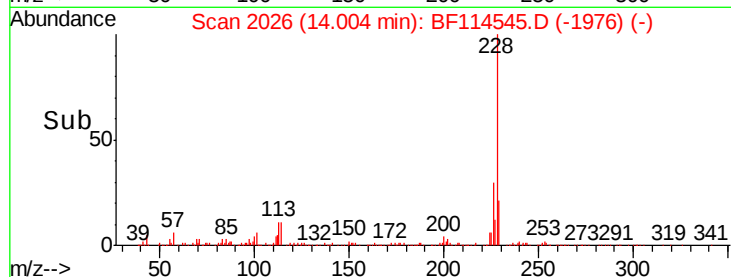
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

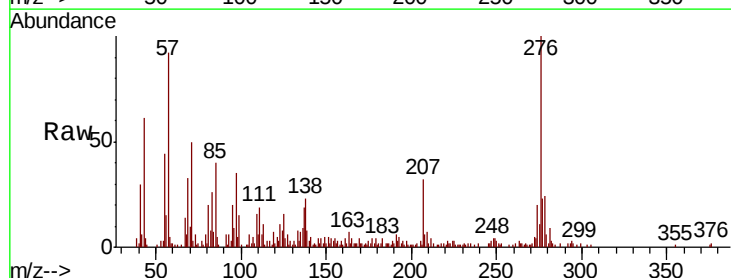


Time-->

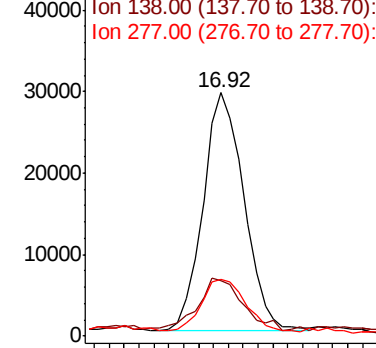


#86
Indeno(1,2,3-cd)pyrene
Concen: 2.304 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

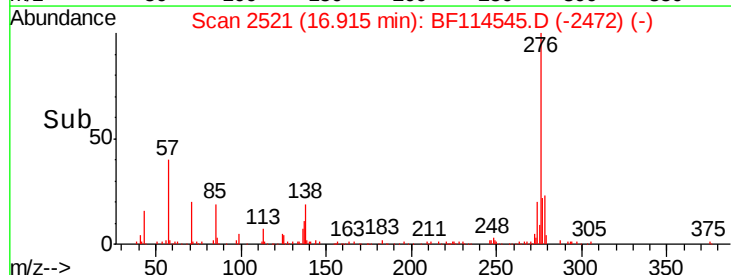
Tgt Ion:	276	Resp:	56054
Ion Ratio	Lower	Upper	
276	100		
138	23.5	20.2	30.2
277	23.1	20.0	30.0

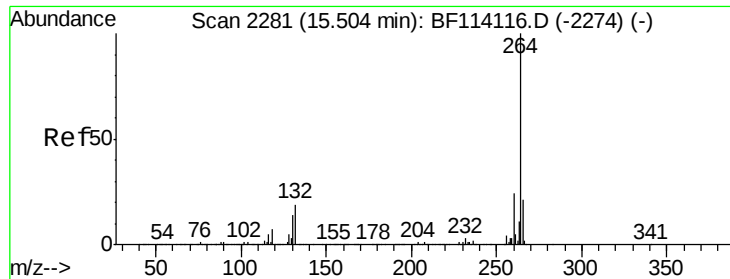


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF114545.D

Acq: 24 May 2019 1:06

Instrument :

BNA_F

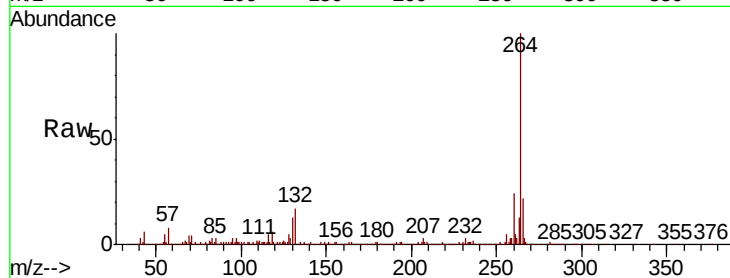
ClientSampleId :

EWING-SP

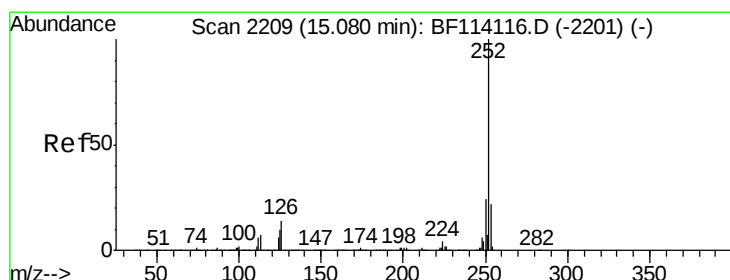
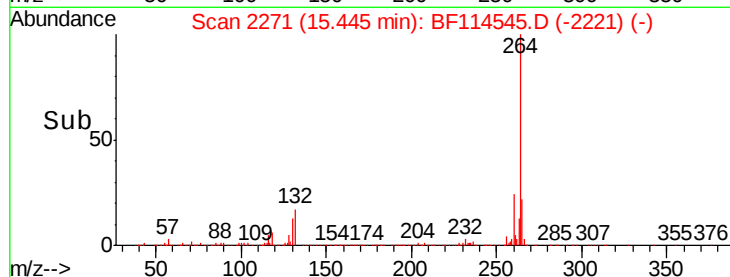
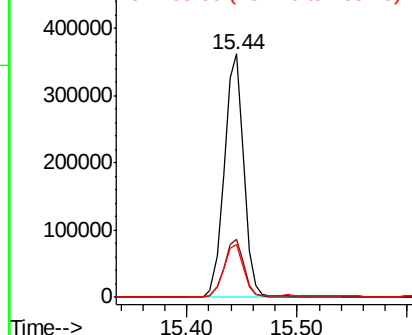
Tot Ion:	264	Resp:	445206
Ion Ratio		Lower	Upper
264	100		
260	23.9	19.4	29.0
265	21.9	16.9	25.3

Manual Integrations
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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



#88

Benzo(b)fluoranthene

Concen: 4.725 ng m

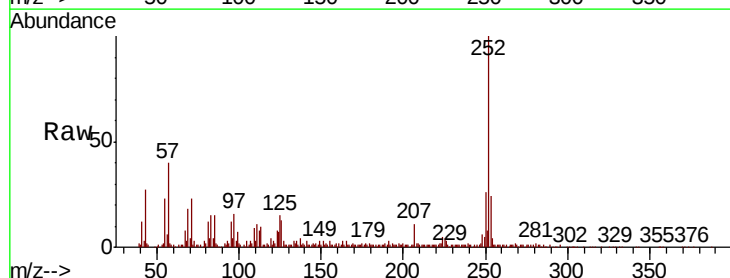
RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

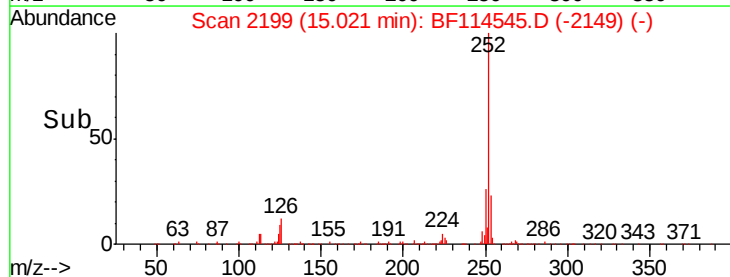
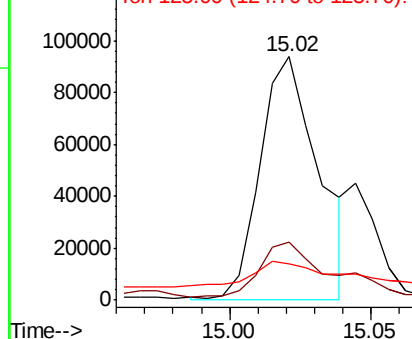
Lab File: BF114545.D

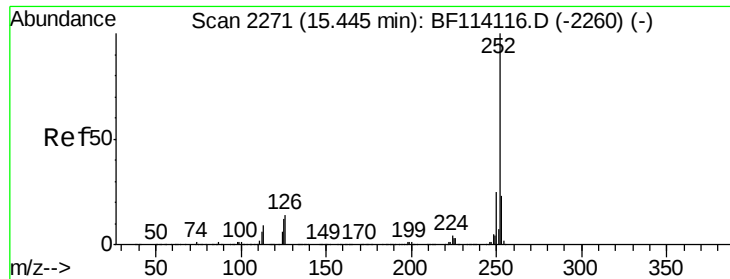
Acq: 24 May 2019 1:06

Tgt Ion:	252	Resp:	134755
Ion Ratio		Lower	Upper
252	100		
253	24.0	17.8	26.8
125	15.0	8.3	12.5#



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





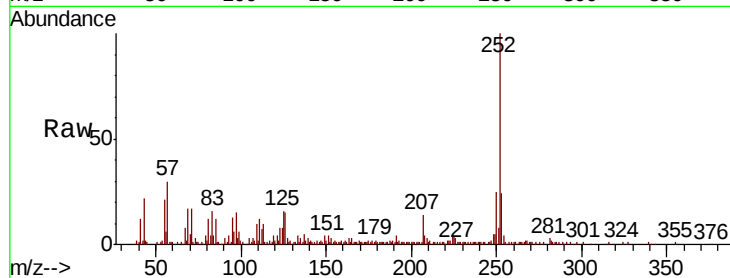
#90
Benzo(a)pyrene
Concen: 3.772 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Instrument :
BNA_F
ClientSampled :
EWING-SP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	16.3	9.5	14.3

Manual Integrations
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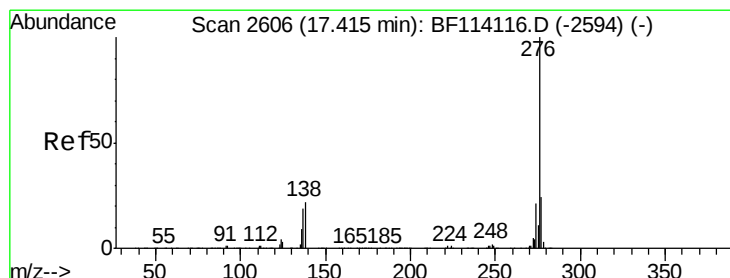
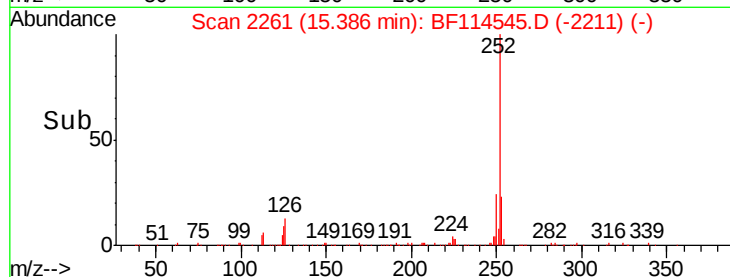
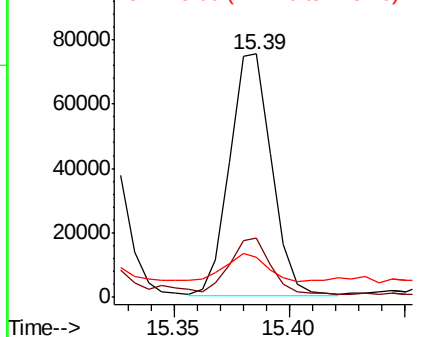


Abundance

Ion 252.00 (251.70 to 252.70): E

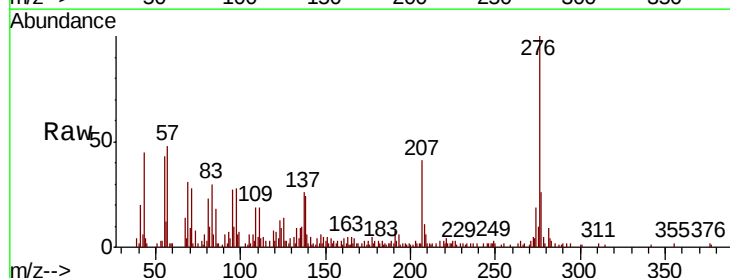
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.543 ng
RT: 17.36 min Scan# 2597
Delta R.T. -0.01 min
Lab File: BF114545.D
Acq: 24 May 2019 1:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.0	28.4
138	24.0	17.8	26.6



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

