

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031820\
 Data File : BF119427.D
 Acq On : 18 Mar 2020 20:57
 Operator : CG/JU
 Sample : L1949-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204

Manual Integrations
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Quant Time: Mar 19 05:54:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 18 15:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	370032	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	1402179	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	678447	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	1165520	20.00	ng	0.00
76) Chrysene-d12	14.03	240	692811	20.00	ng	0.00
87) Perylene-d12	15.50	264	715428	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	2004211	86.22	ng	0.01
7) Phenol-d6	6.47	99	2545729	85.73	ng	0.00
23) Nitrobenzene-d5	7.42	82	1569349	60.83	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	594134	84.88	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	2745335	59.95	ng	0.00
79) Terphenyl-d14	12.97	244	2447426	69.21	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.61	163	302713	6.282	ng	99
71) Phenanthrene	11.41	178	302385	5.003	ng	98
75) Fluoranthene	12.60	202	608367	9.301	ng	98
78) Pyrene	12.83	202	543076	9.551	ng	97
81) Benzo(a)anthracene	14.02	228	237940	5.281	ng	99
83) Chrysene	14.05	228	224594	4.830	ng	97
84) Bis(2-ethylhexyl)phthalate	14.02	149	62493	2.280	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	132081	3.016	ng	94
88) Benzo(b)fluoranthene	15.06	252	274406m	5.742	ng	
89) Benzo(k)fluoranthene	15.09	252	99910m	2.196	ng	
90) Benzo(a)pyrene	15.43	252	212039	4.882	ng	98
92) Benzo(a,h,i)perylene	17.40	276	120412	3.155	ng	96

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

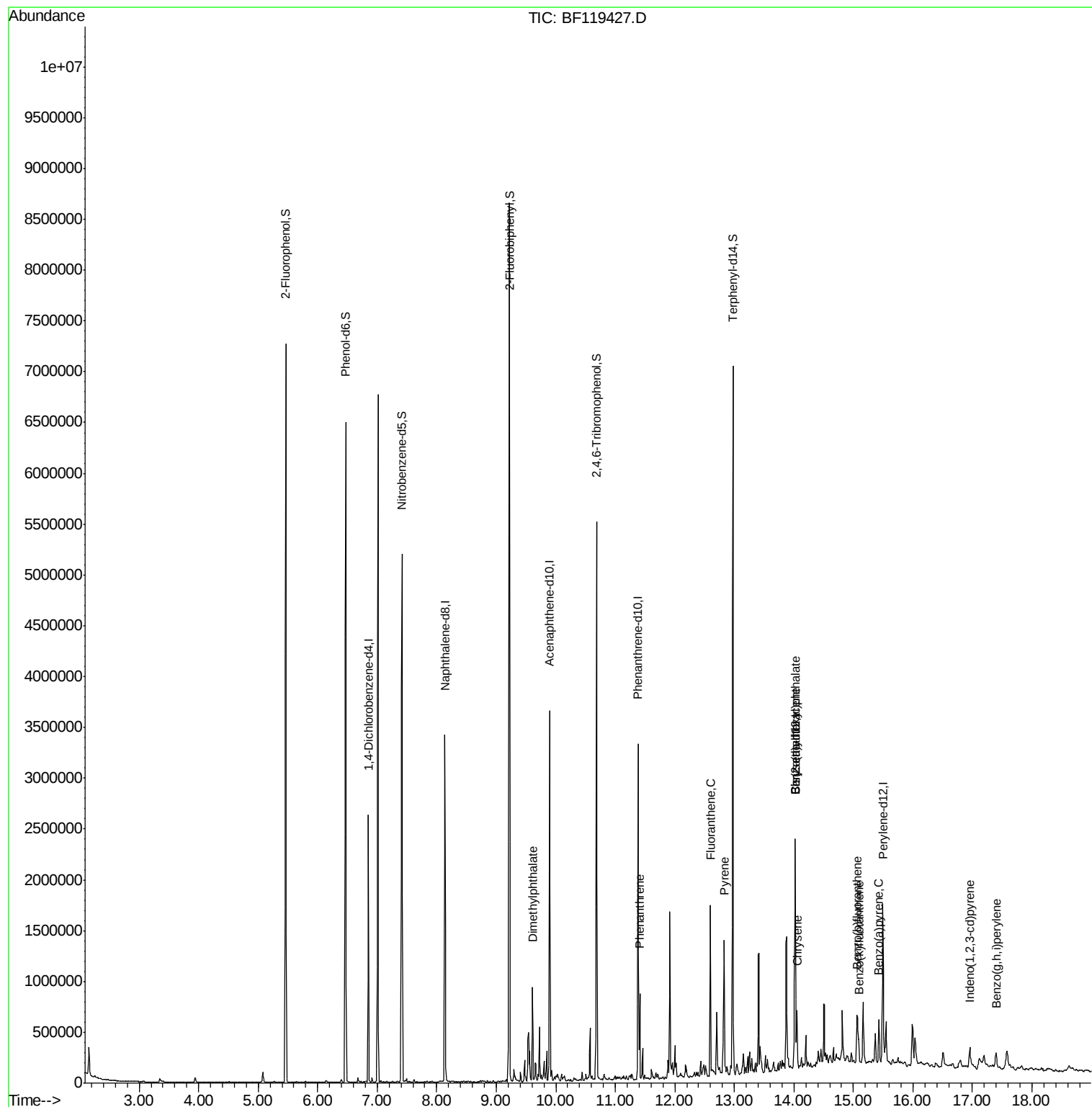
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031820\
Data File : BF119427.D
Acq On : 18 Mar 2020 20:57
Operator : CG/JU
Sample : L1949-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

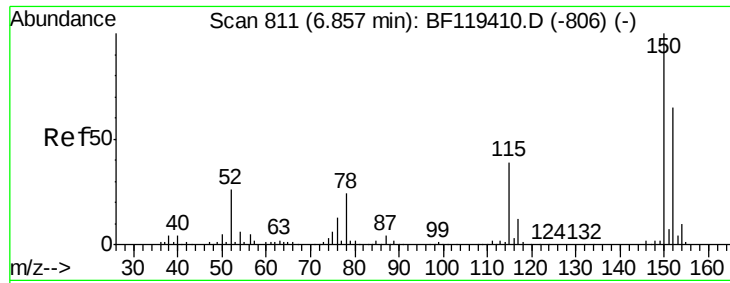
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
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#1

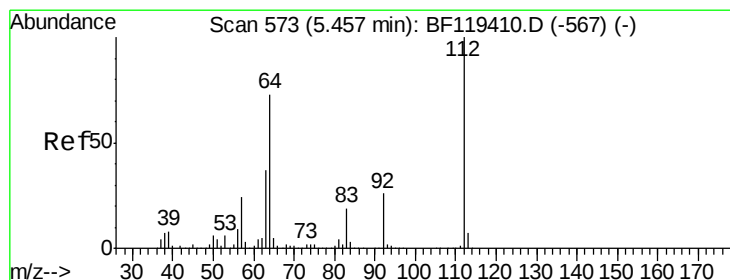
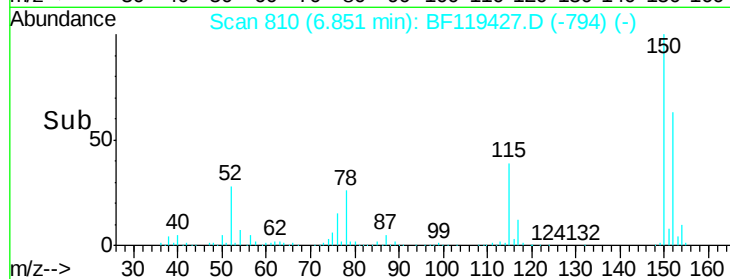
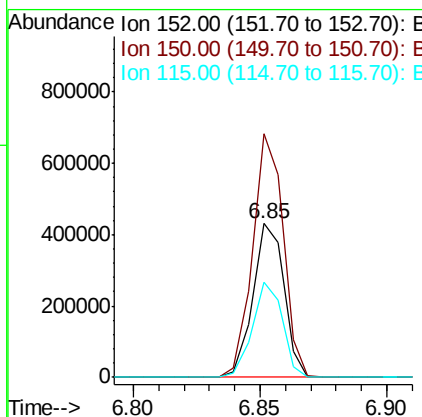
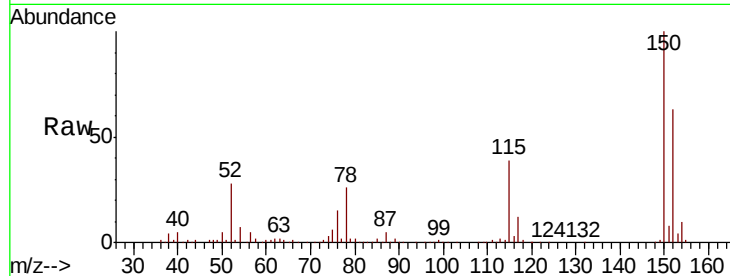
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Instrument :
BNA_F
ClientSampleId :
VNJ-204

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	123.9	185.9
115	61.6	47.8	71.6

Manual Integrations
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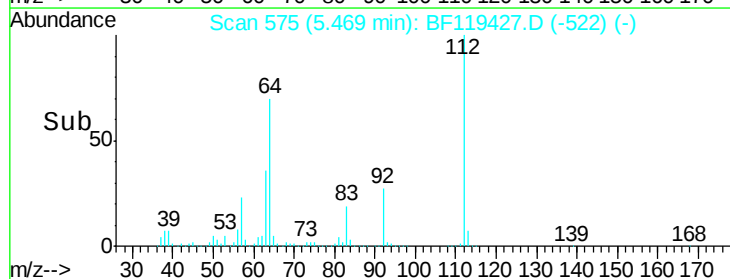
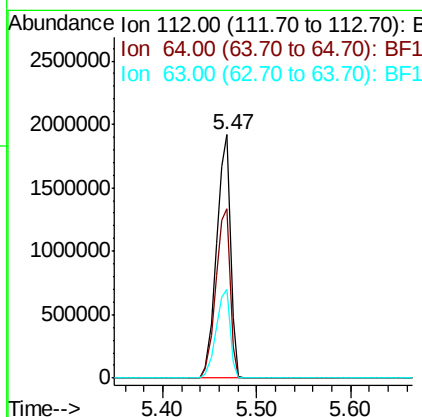
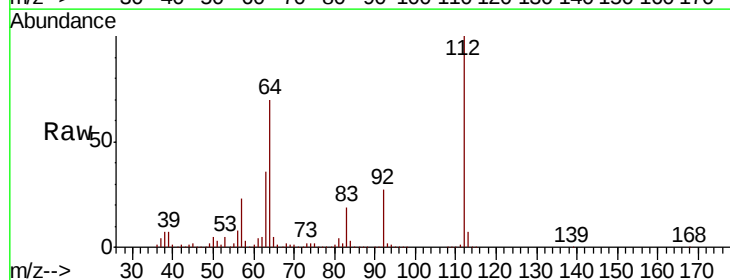
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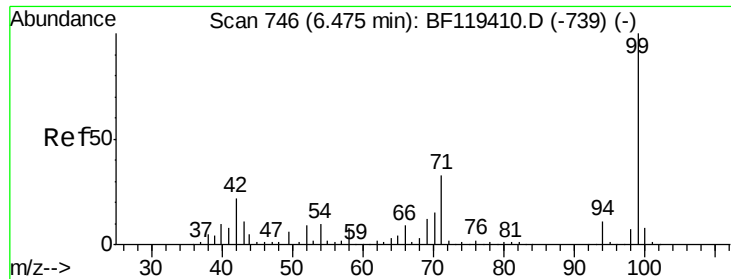


#5

2-Fluorophenol
Concen: 86.223 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.7	58.1	87.1
63	36.3	29.7	44.5





#7

Phenol-d6

Concen: 85.734 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF119427.D

Acq: 18 Mar 2020 20:57

Instrument :

BNA_F

ClientSampled :

VNJ-204

Tot Ion: 99 Resp: 2545729

Ion Ratio Lower Upper

99 100

42 21.0 17.8 26.6

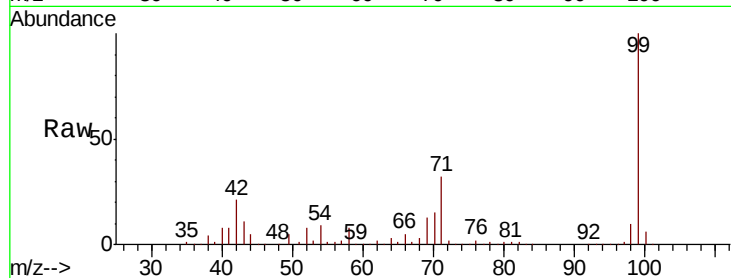
71 32.4 26.0 39.0

Manual Integrations

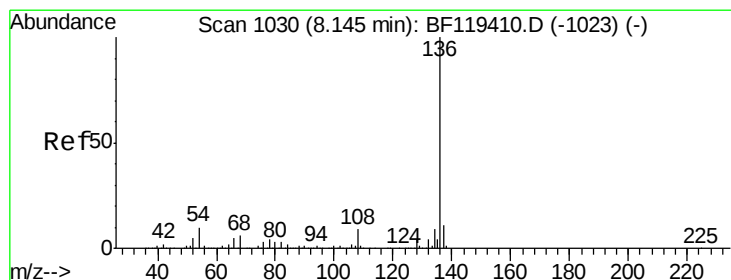
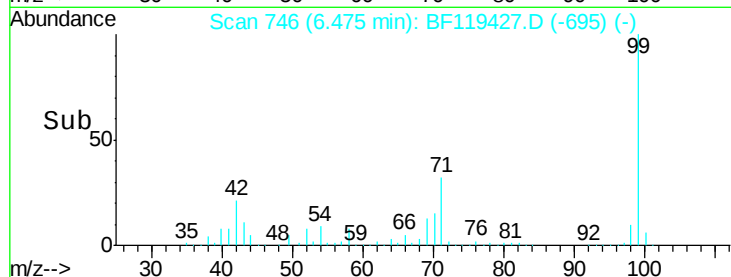
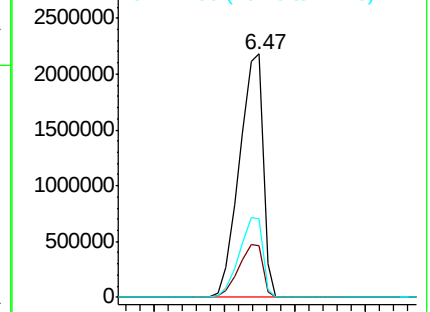
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF119427.D

Acq: 18 Mar 2020 20:57

Tgt Ion: 136 Resp: 1402179

Ion Ratio Lower Upper

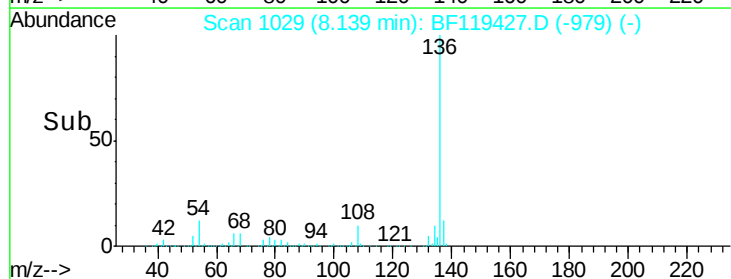
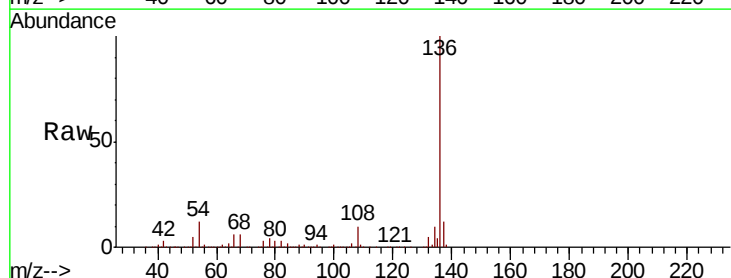
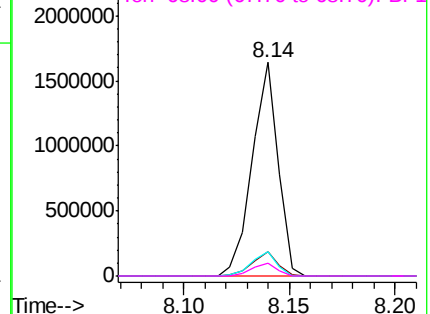
136 100

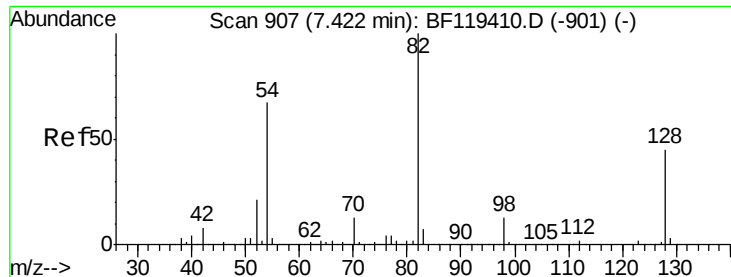
137 11.6 8.4 12.6

54 11.6 8.3 12.5

68 6.2 4.9 7.3

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





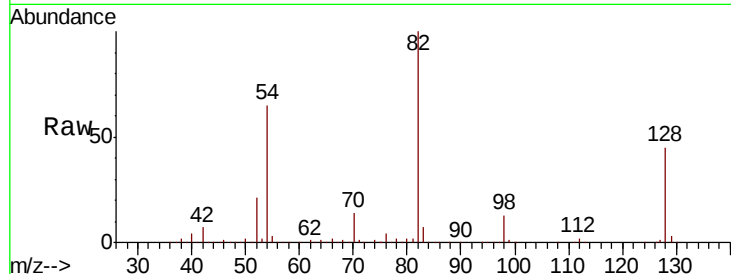
#23
Nitrobenzene-d5
Concen: 60.827 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Instrument :
BNA_F
ClientSampled :
VNJ-204

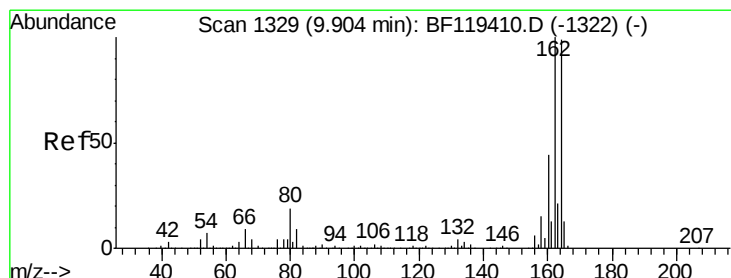
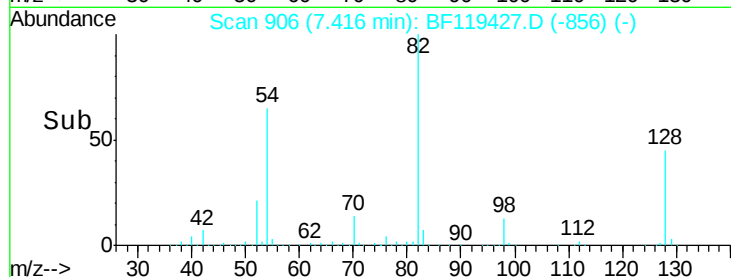
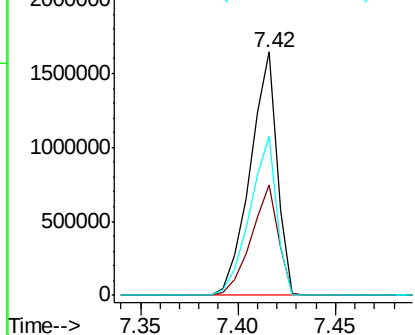
Tot Ion	82	Resp	1569349
Ion Ratio	100	Lower	Upper
128	45.1	35.8	53.8
54	65.3	53.4	80.0

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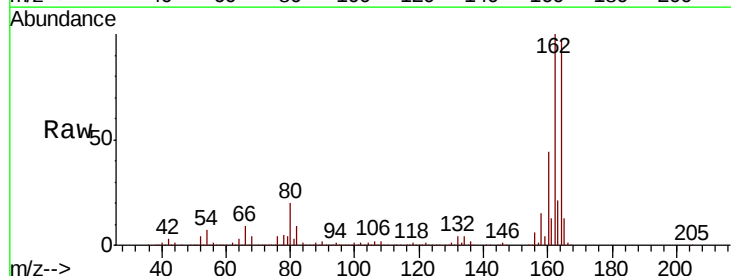


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

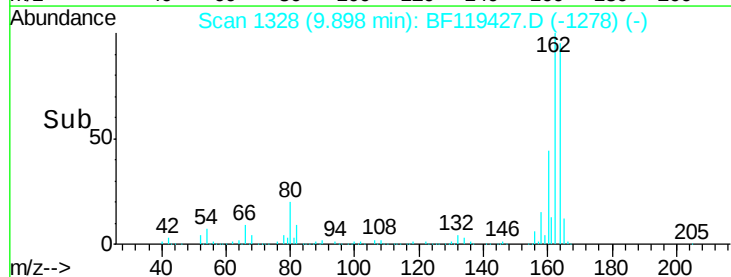
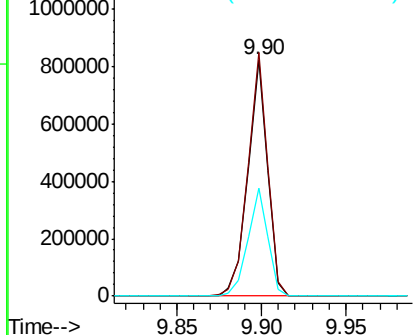


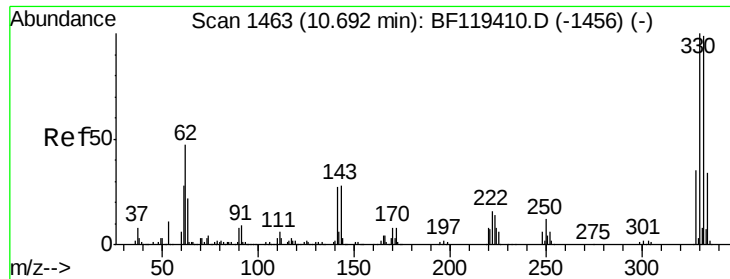
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Tgt Ion	164	Resp	678447
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	103.1	80.7	121.1
160	45.5	35.5	53.3



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





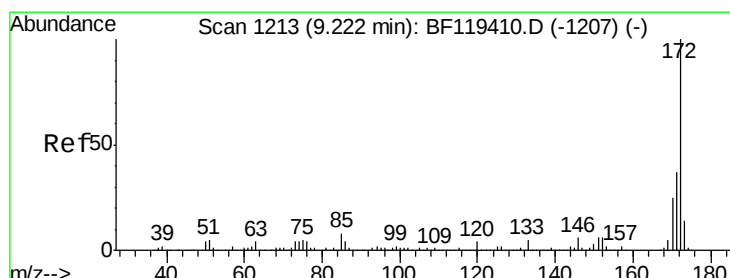
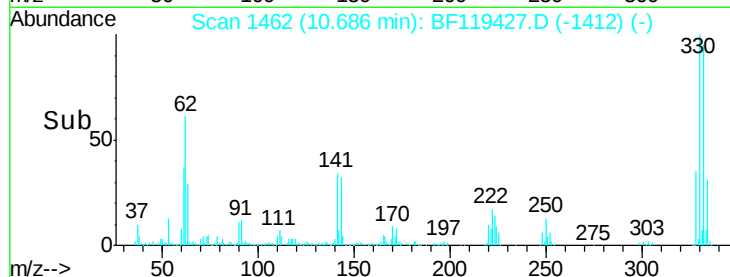
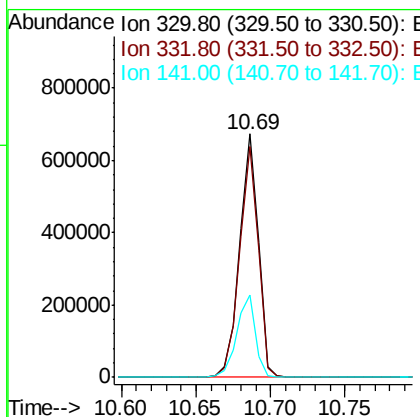
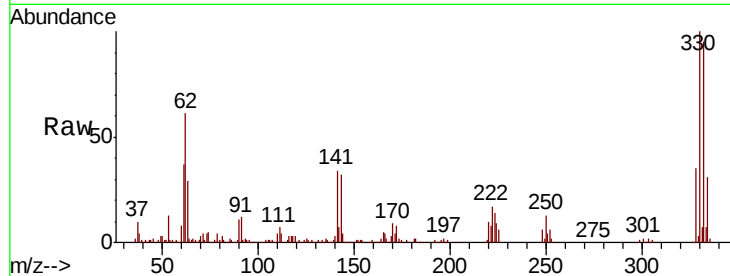
#42
 2,4,6-Tribromophenol
 Concen: 84.885 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF119427.D
 Acq: 18 Mar 2020 20:57

Instrument :
 BNA_F
 ClientSampled :
 VNJ-204

Tot Ion	Ratio	Resp	Lower	Upper
330	100	594134		
332	95.2		77.6	116.4
141	33.7		26.6	40.0

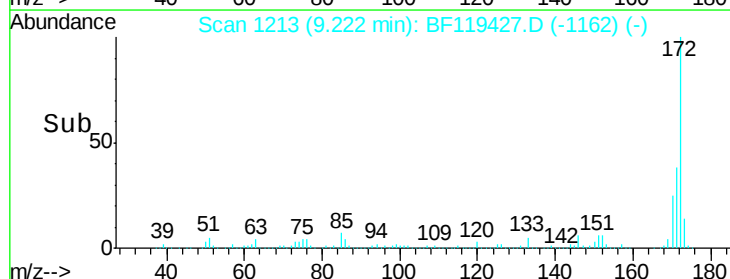
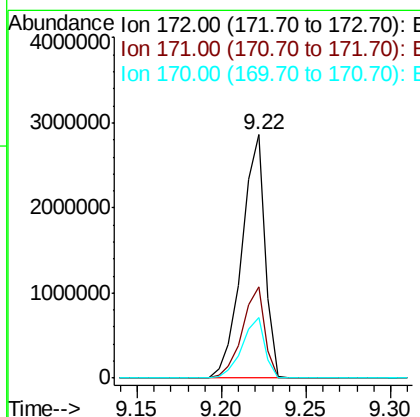
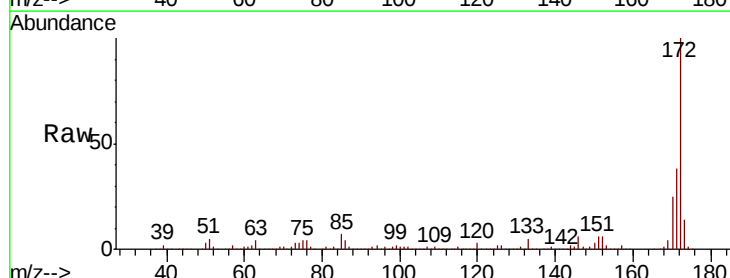
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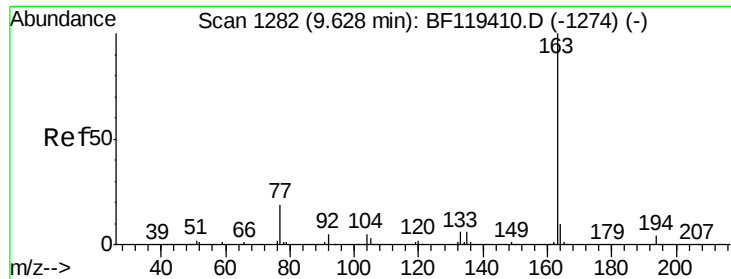
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#45
 2-Fluorobiphenyl
 Concen: 59.948 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF119427.D
 Acq: 18 Mar 2020 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2745335		
171	37.6		29.9	44.9
170	25.1		20.1	30.1





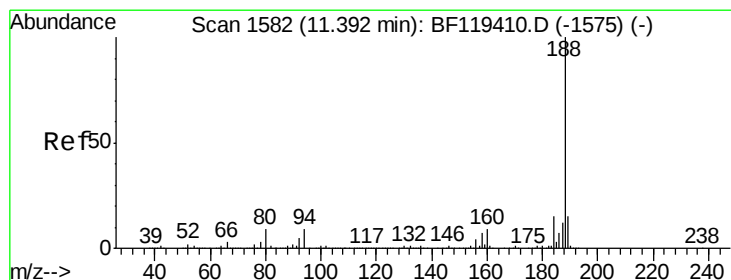
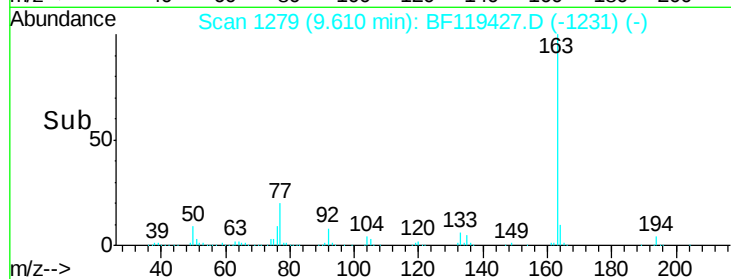
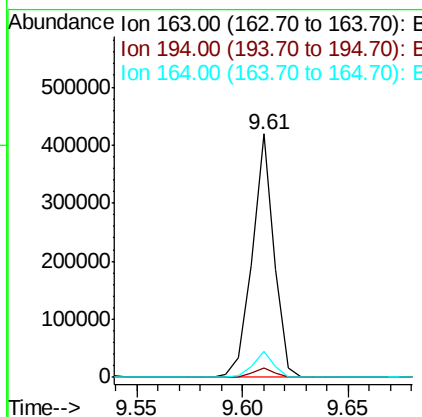
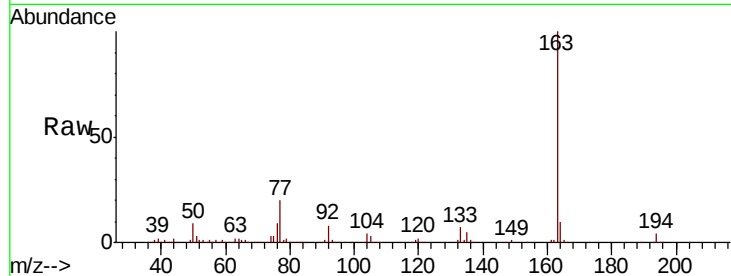
#50
Dimethylphthalate
Concen: 6.282 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.02 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Instrument :
BNA_F
ClientSampled :
VNJ-204

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.5	8.1	12.1

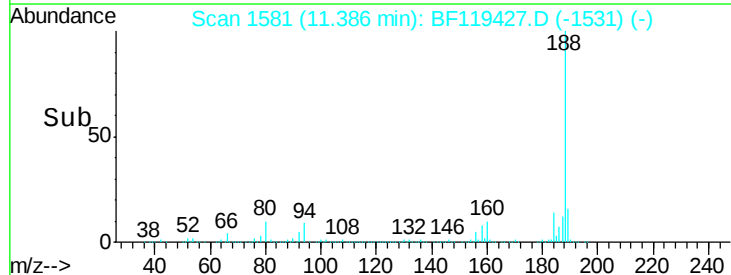
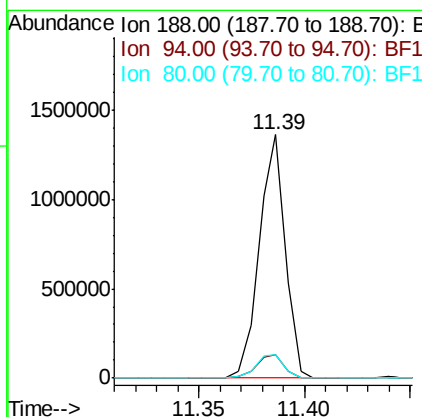
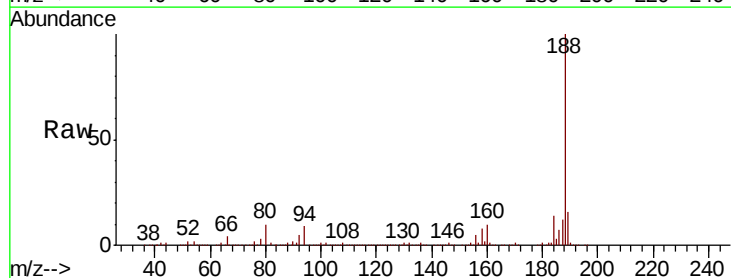
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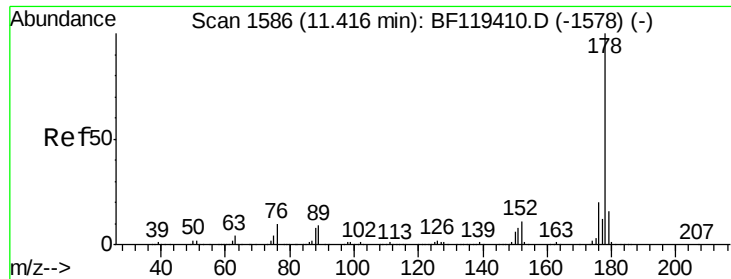
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.1	10.7
80	9.8	7.5	11.3





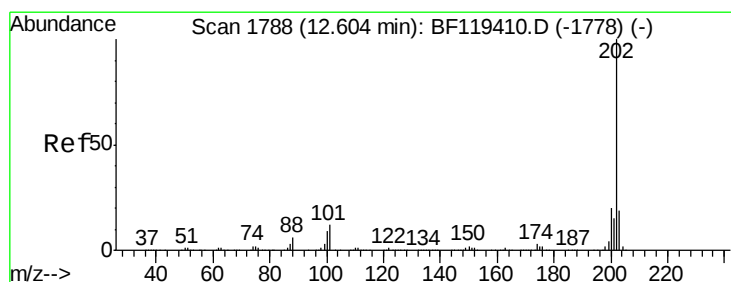
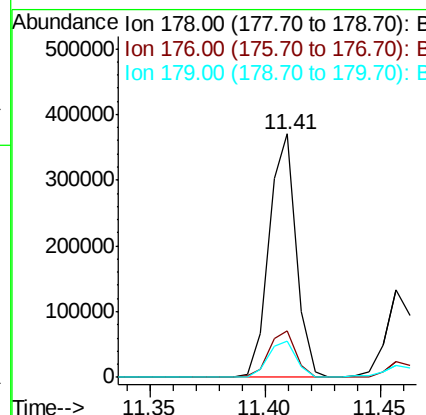
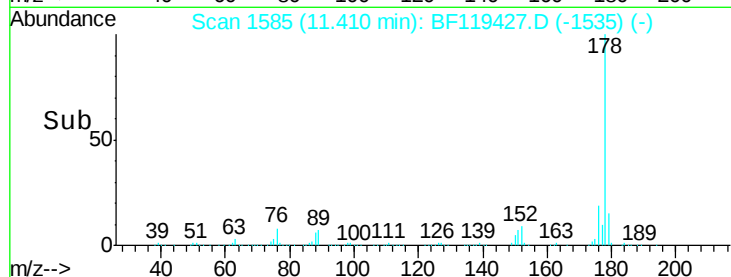
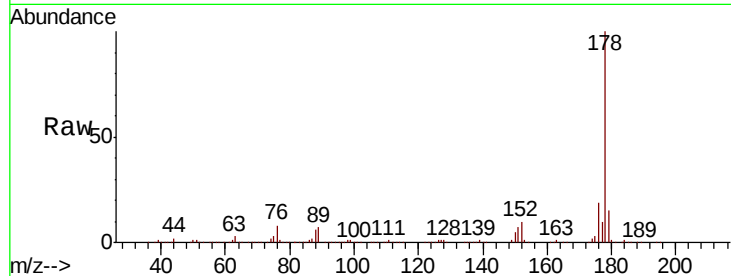
#71
Phenanthrene
Concen: 5.003 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Instrument :
BNA_F
ClientSampleId :
VNJ-204

Tot Ion:	178	Resp:	302385
Ion Ratio	Lower	Upper	
178	100		
176	19.2	16.2	24.4
179	15.1	12.9	19.3

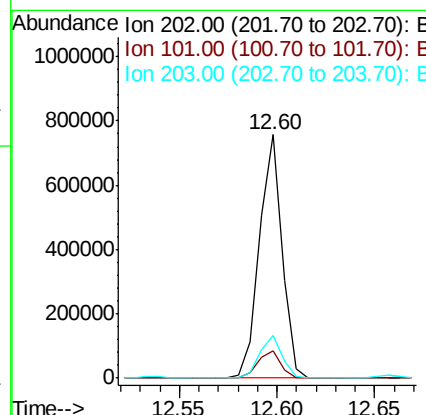
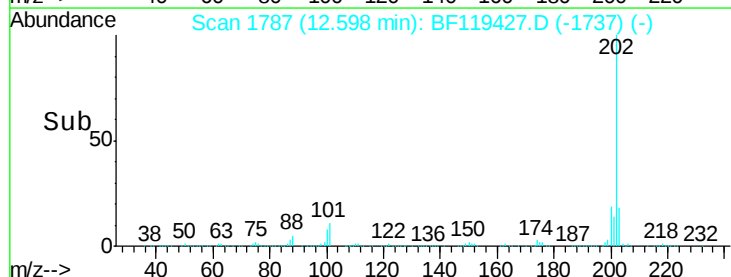
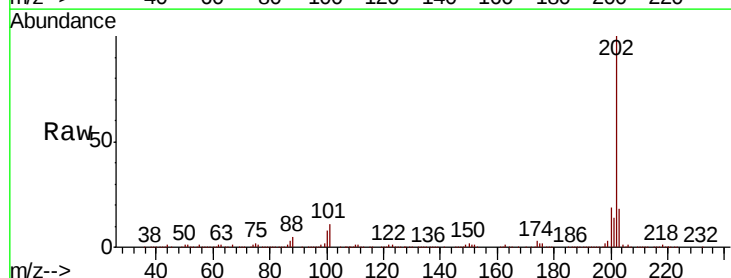
Manual Integrations
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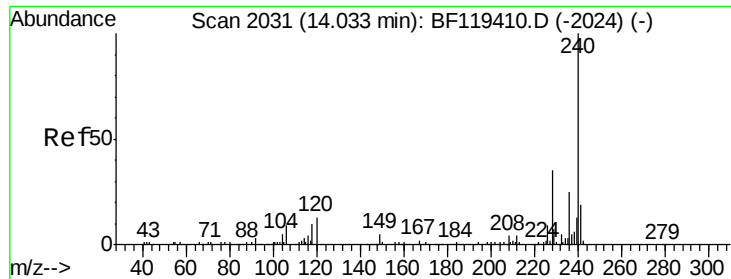
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#75
Fluoranthene
Concen: 9.301 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Tgt Ion:	202	Resp:	608367
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	32.4
203	17.6	0.0	38.5





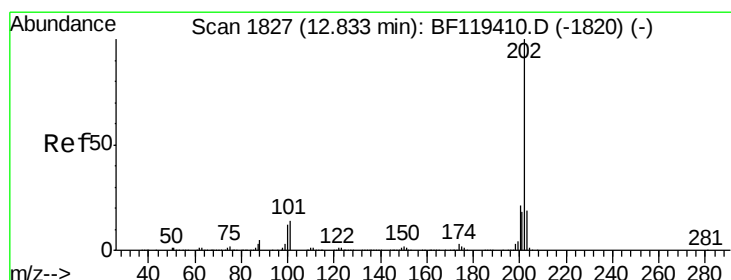
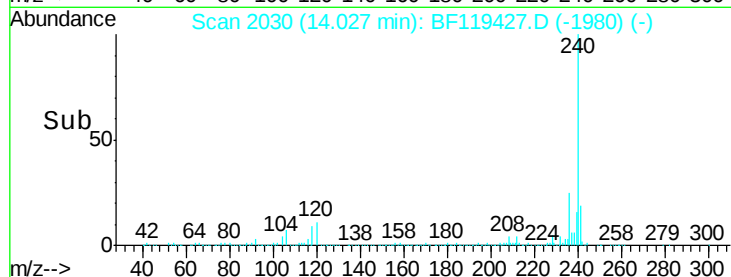
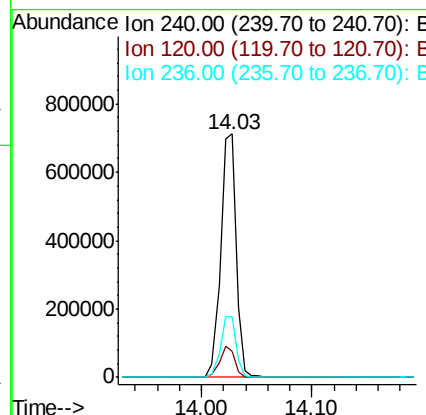
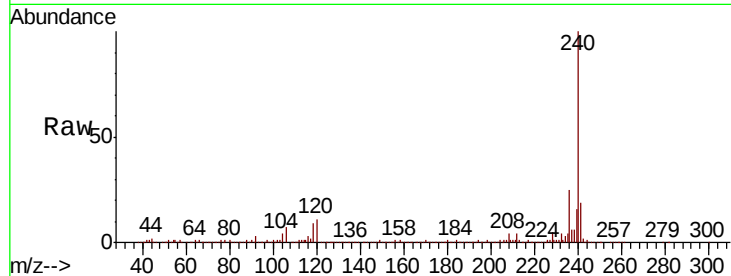
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Instrument :
BNA_F
ClientSampleId :
VNJ-204

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	10.2	15.4
236	25.1	20.4	30.6

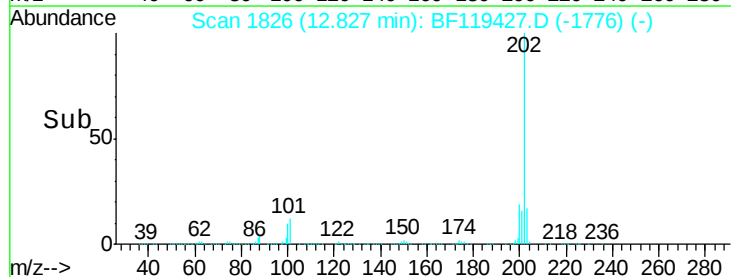
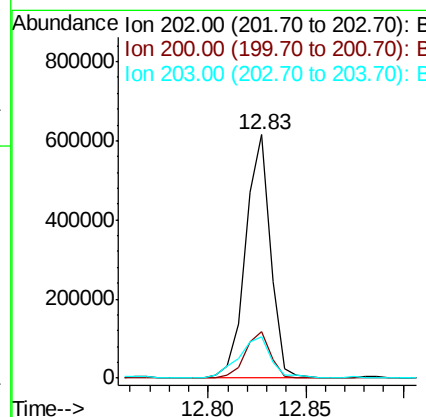
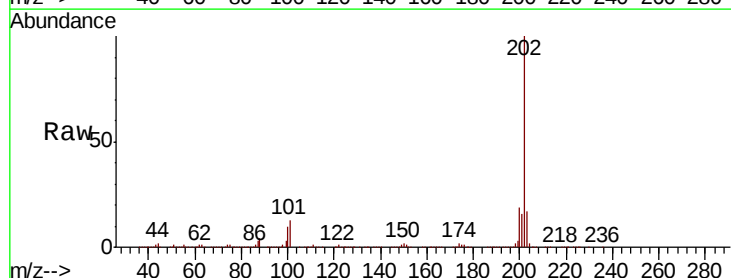
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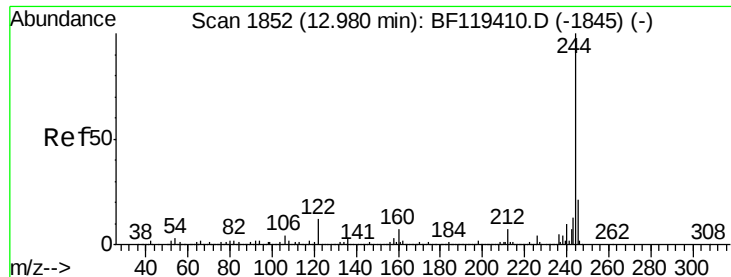
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#78
Pyrene
Concen: 9.551 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.8	25.2
203	17.1	14.8	22.2





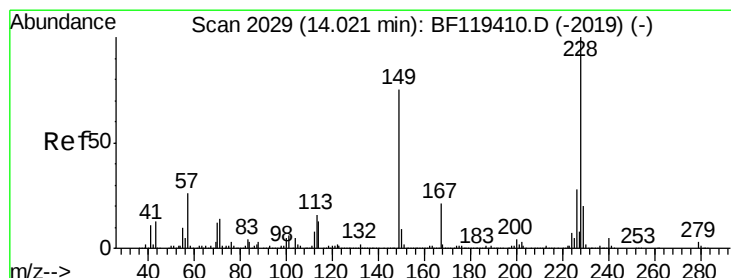
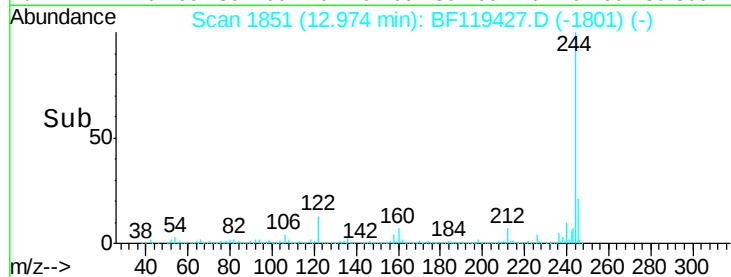
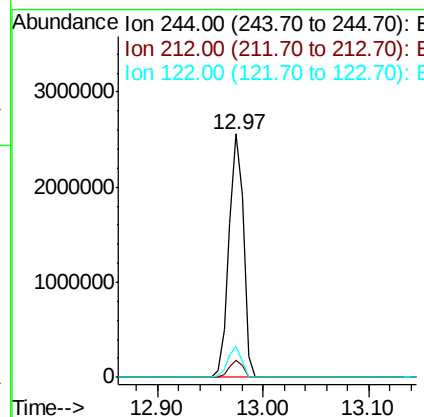
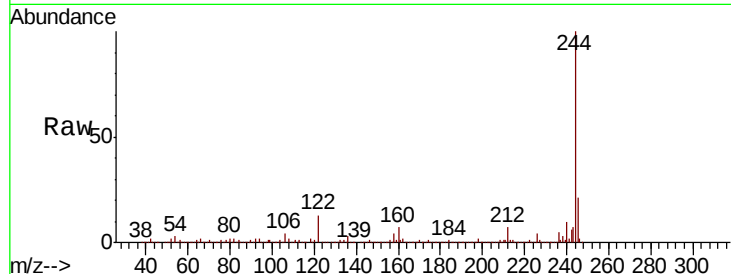
#79
 Terphenyl-d14
 Concen: 69.211 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF119427.D
 Acq: 18 Mar 2020 20:57

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	12.7	9.8	14.8

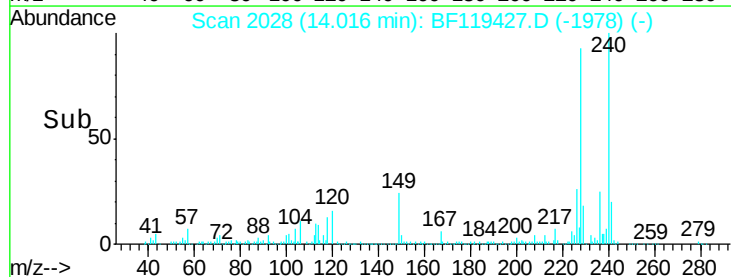
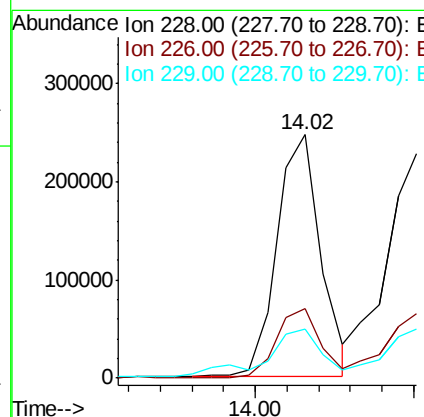
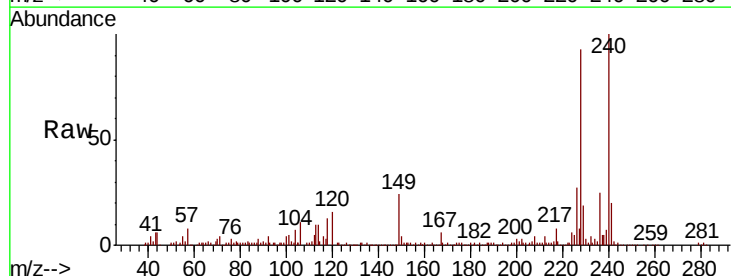
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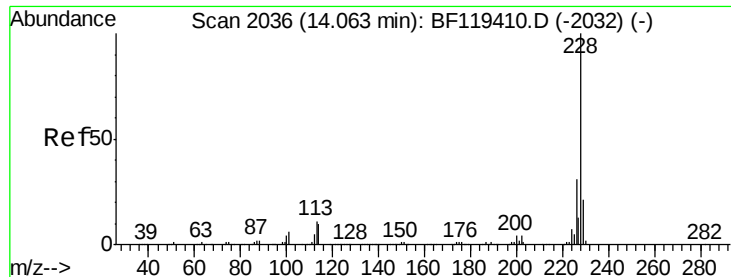
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#81
 Benzo(a)anthracene
 Concen: 5.281 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF119427.D
 Acq: 18 Mar 2020 20:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.3	33.5
229	20.2	16.3	24.5





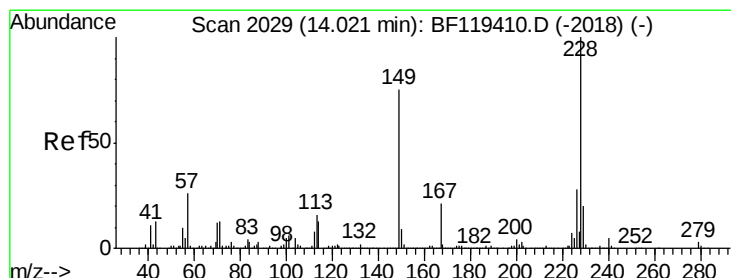
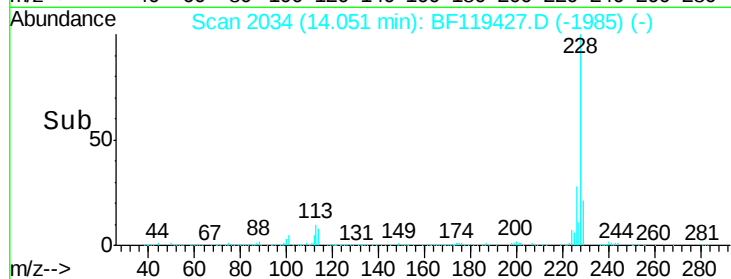
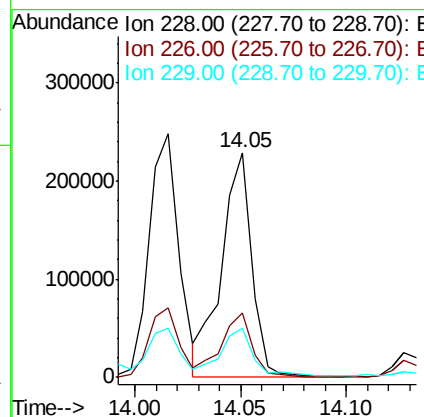
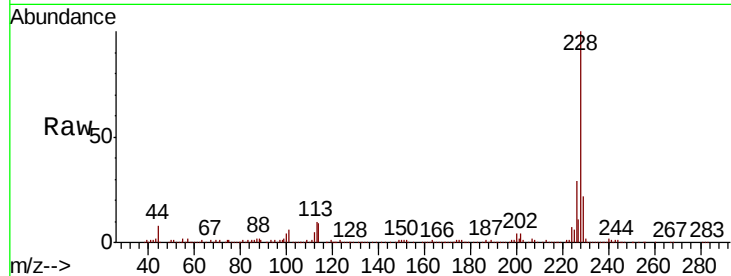
#83
Chrvsene
Concen: 4.830 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Instrument :
BNA_F
ClientSampleId :
VNJ-204

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.8	37.2
229	21.6	16.6	25.0

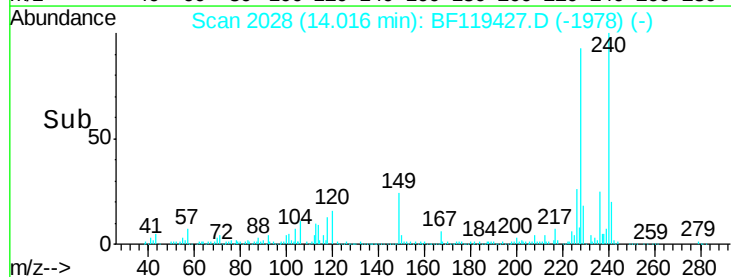
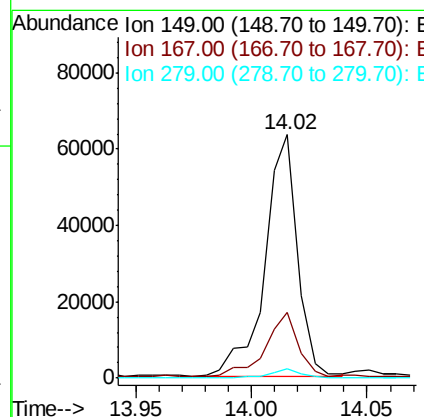
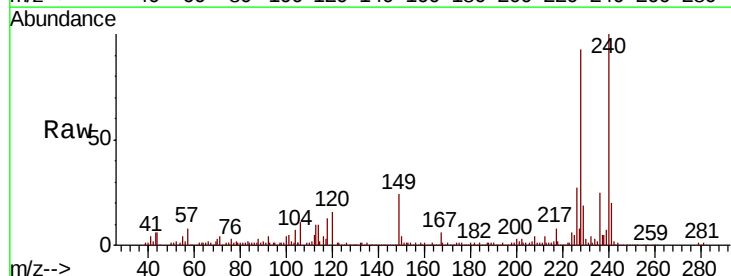
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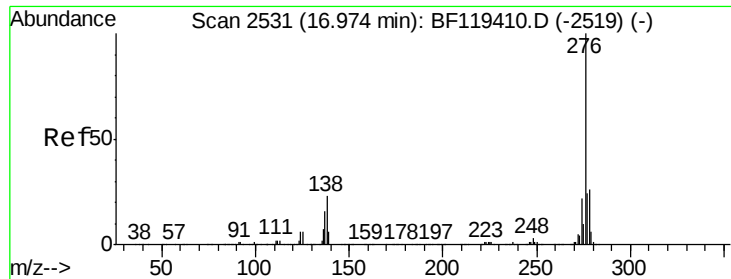
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.280 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.0	33.0
279	3.8	3.2	4.8





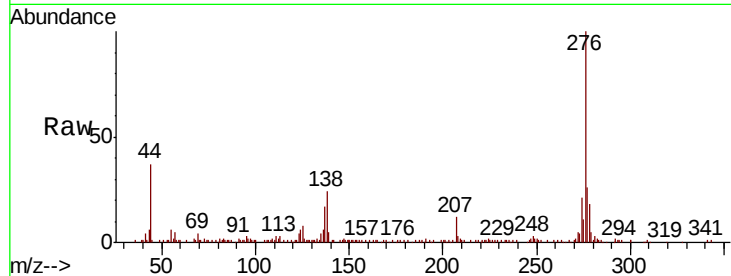
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.016 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Instrument :
BNA_F
ClientSampleId :
VNJ-204

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	21.3	31.9
277	23.8	20.2	30.2

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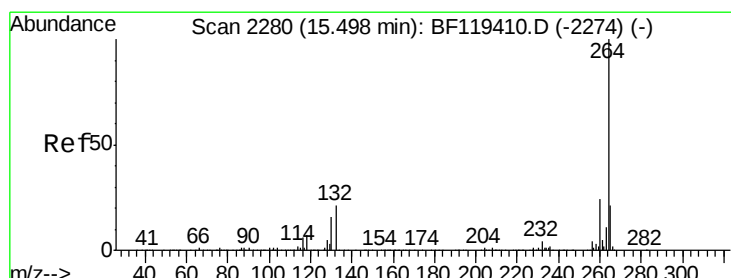
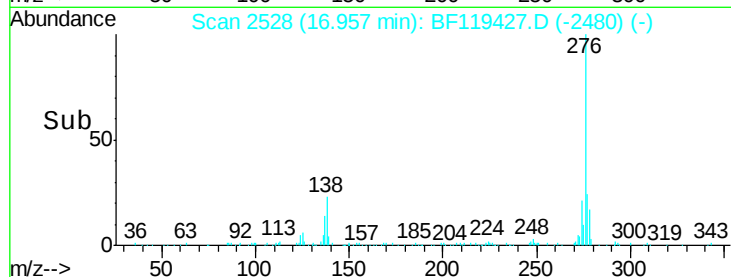
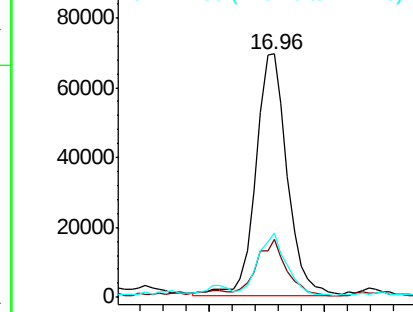


Abundance

Ion 276.00 (275.70 to 276.70): E

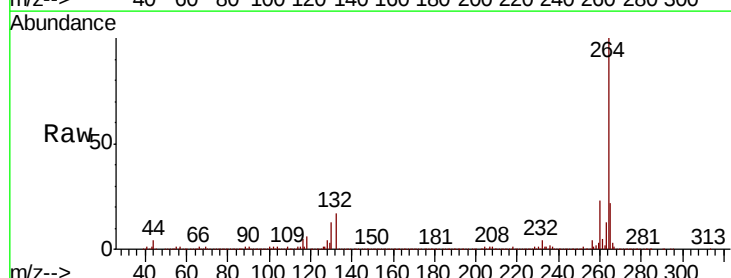
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.7	16.9	25.3

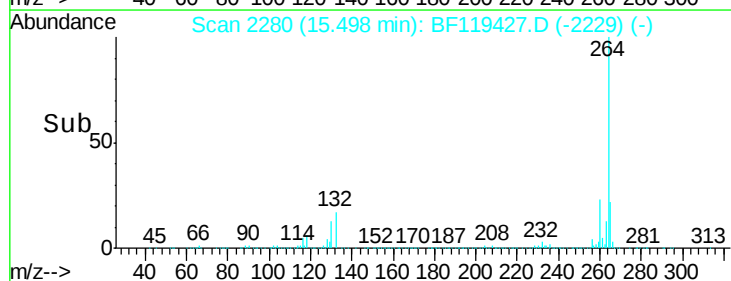
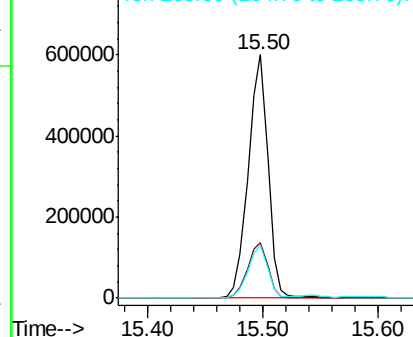


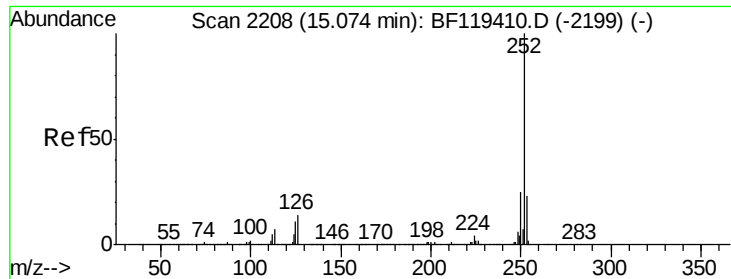
Abundance

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





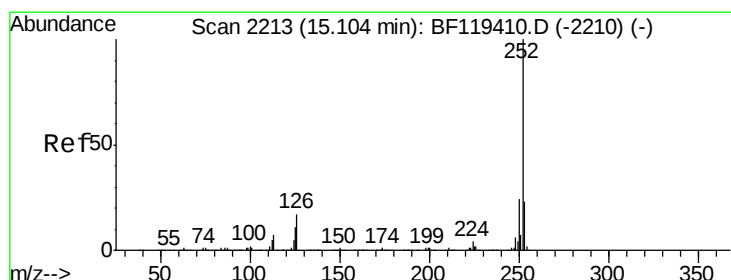
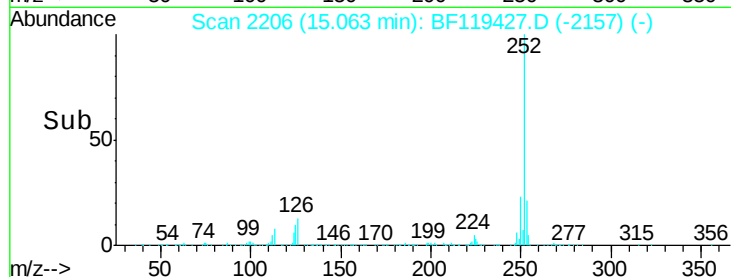
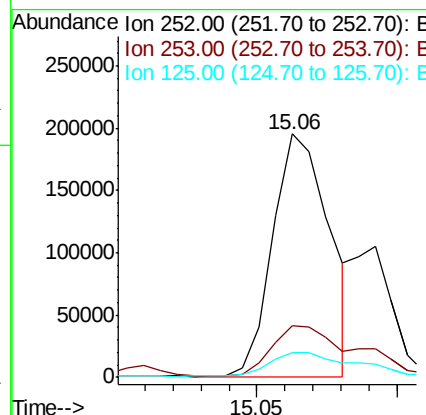
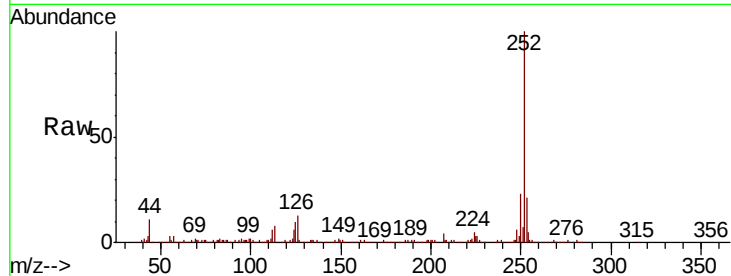
#88
Benzo(b)fluoranthene
Concen: 5.742 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Instrument :
BNA_F
ClientSampled :
VNJ-204

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.2	27.4
125	10.4	8.8	13.2

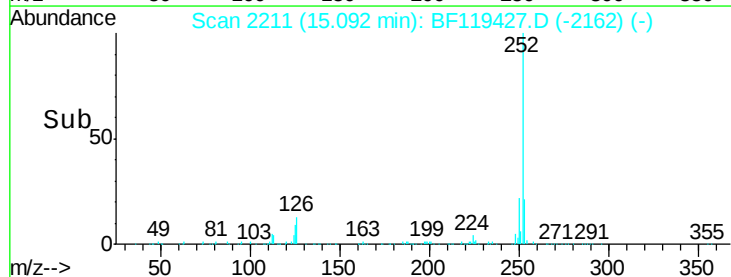
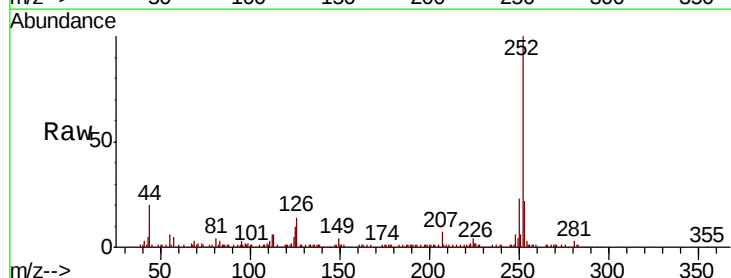
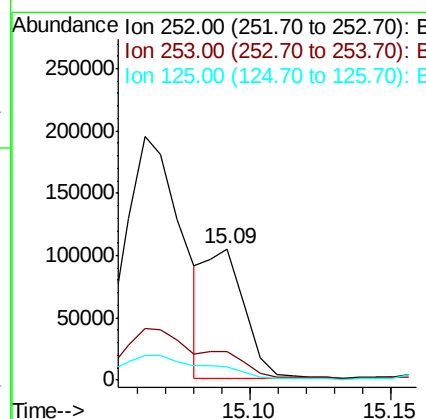
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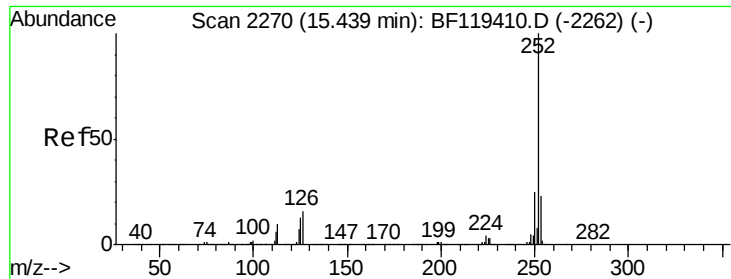
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#89
Benzo(k)fluoranthene
Concen: 2.196 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.01 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.4
125	9.9	9.0	13.4





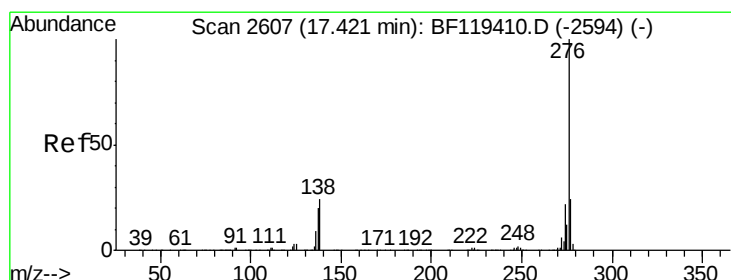
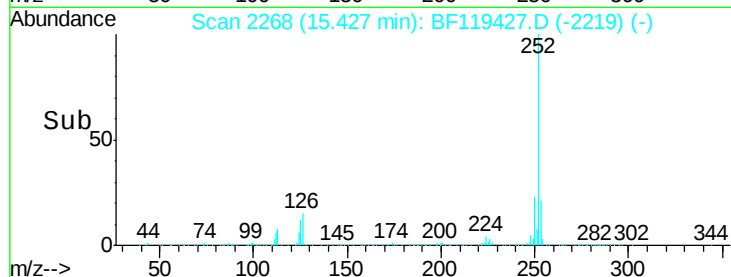
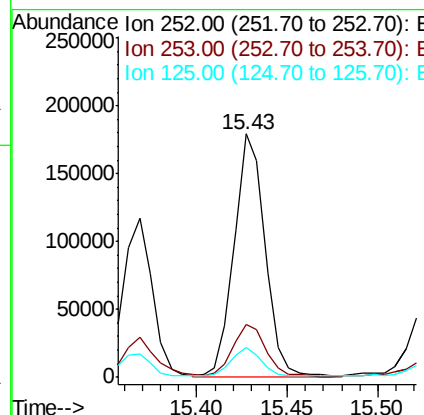
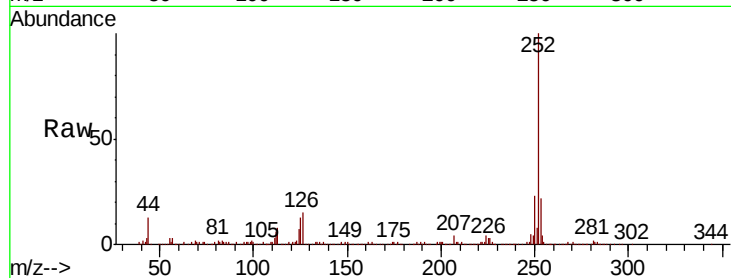
#90
Benzo(a)pyrene
Concen: 4.882 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Instrument :
BNA_F
ClientSampleId :
VNJ-204

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.4
125	12.5	10.2	15.2

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.155 ng
RT: 17.40 min Scan# 2603
Delta R.T. -0.02 min
Lab File: BF119427.D
Acq: 18 Mar 2020 20:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.8	28.2
138	21.5	19.1	28.7

